

## TEST REPORT

|                                                                                  |                                                                                   |                  |                        |                         |              |           |           |        |                |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|------------------------|-------------------------|--------------|-----------|-----------|--------|----------------|
| Report reference No.....                                                         | GEN2026078.01                                                                     |                  |                        |                         |              |           |           |        |                |
| Product.....                                                                     | Led linear light                                                                  |                  |                        |                         |              |           |           |        |                |
| Family Name.....                                                                 | U23                                                                               |                  |                        |                         |              |           |           |        |                |
| Trademark.....                                                                   |  |                  |                        |                         |              |           |           |        |                |
| Manufacturer.....                                                                | KOE Lighting Ltd.                                                                 |                  |                        |                         |              |           |           |        |                |
| Address.....                                                                     | 25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China                         |                  |                        |                         |              |           |           |        |                |
| Testing Laboratory.....                                                          | KOE Lab                                                                           |                  |                        |                         |              |           |           |        |                |
| <p>Model list:</p> <p>U23LN-FA15S1 SBK 3000K[CRI90] T120D (LP400-15-48V U23)</p> |                                                                                   |                  |                        |                         |              |           |           |        |                |
| Declared data                                                                    |                                                                                   |                  |                        |                         |              |           |           |        |                |
| Rated Input                                                                      | Rated Power (W)                                                                   | No.of LEDs (PCS) | Rated Total Lumen (lm) | Rated Useful Lumen (lm) | Energy class | Imax (cd) | Life (hr) | Tc (K) | Beam angle (°) |
| DC48V                                                                            | 15W                                                                               | 36               | 1050                   | 810                     | F            | 370       | 50000     | 3000K  | 120            |
| Power supply                                                                     | LP400-15-48V U23                                                                  |                  |                        |                         |              |           |           |        |                |
| Light model                                                                      | SMD LED PH-XYD-2835-6C6B 6V 1W, 3000K(W) 36PCS, 345.5x15.2x1.0<CRI90>, 1590LM     |                  |                        |                         |              |           |           |        |                |

|                     |            |                          |
|---------------------|------------|--------------------------|
| Light Output Ratio: | 66%        |                          |
| Luminaire Power:    | 15.1W      |                          |
| SUR.:               | 0.00696 m² |                          |
| SHR Nominal:        | 0.50       | Calculated using the TM5 |
| SHR Maximum:        | 0.60       | fine grid method.        |

H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Judy  
Test Date: 2026-07-27

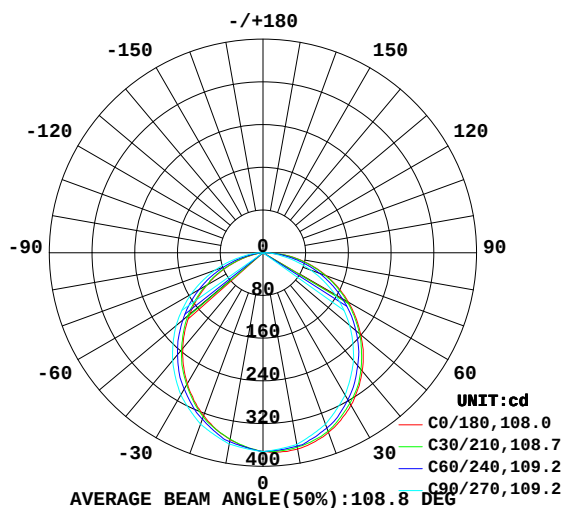
V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

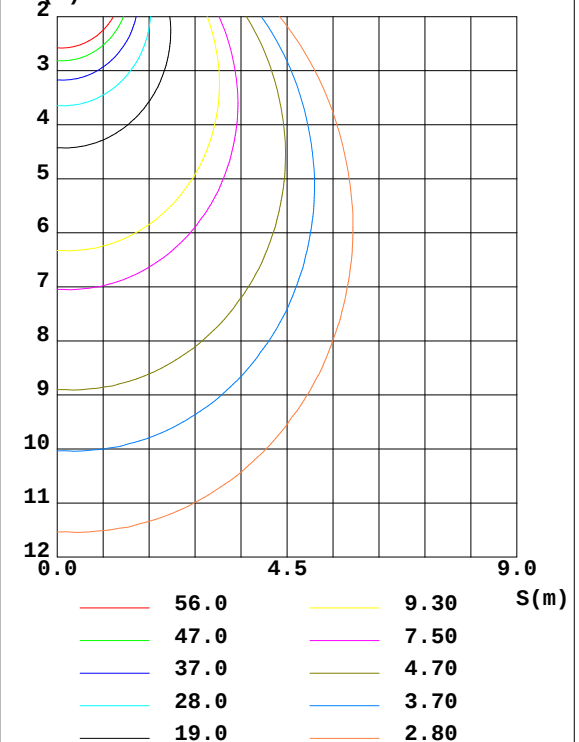
|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 67.50 lm/W |        |                    |           |
|------------------|------------------|----------------------------------|--------|--------------------|-----------|
| MODEL            | PH-XYD-2835-6C6B | I <sub>max</sub> (cd)            | 374.9  | S/MH(C0/180)       | 1.15      |
| NOMINAL POWER(W) | 14               | LOR(%)                           | 100.0  | S/MH(C90/270)      | 1.23      |
| RATED VOLTAGE(V) | 34               | TOTAL FLUX(lm)                   | 1020.6 | η UP, DN(C0-180)   | 0.0, 50.2 |
| NOMINAL FLUX(lm) | 1020.65          | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.0, 49.8 |
| LAMPS INSIDE     | 1                | η up(%)                          | 0.0    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 48               | η down(%)                        | 100.0  | CIBSE SHR MAX      | 1.35      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\phi$ zone | $\phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 5        | 374.6                 | 371.3  | 368.5  | 365.3  | 365.0  | 365.2  | 368.1  | 371.2  | 0- 5     | 8.844       | 8.844        | 0.87,0.87  |
| 10       | 373.2                 | 368.8  | 364.5  | 356.4  | 355.2  | 356.6  | 363.7  | 369.1  | 5- 10    | 26.16       | 35.01        | 3.43,3.43  |
| 15       | 367.5                 | 363.1  | 353.1  | 345.2  | 341.6  | 344.6  | 352.7  | 363.4  | 10- 15   | 42.51       | 77.52        | 7.59,7.59  |
| 20       | 358.1                 | 352.2  | 341.8  | 328.5  | 324.4  | 328.2  | 341.7  | 351.8  | 15- 20   | 57.20       | 134.7        | 13.2,13.2  |
| 25       | 345.6                 | 339.6  | 324.6  | 310.9  | 305.6  | 310.7  | 324.7  | 338.7  | 20- 25   | 69.82       | 204.5        | 20,20      |
| 30       | 329.5                 | 322.4  | 307.5  | 290.3  | 283.2  | 290.4  | 307.8  | 322.0  | 25- 30   | 79.85       | 284.4        | 27.9,27.9  |
| 35       | 310.4                 | 302.8  | 285.6  | 267.0  | 259.3  | 267.5  | 285.6  | 302.9  | 30- 35   | 87.09       | 371.5        | 36.4,36.4  |
| 40       | 289.2                 | 281.7  | 263.7  | 242.7  | 233.8  | 243.5  | 263.4  | 281.9  | 35- 40   | 91.24       | 462.7        | 45.3,45.3  |
| 45       | 265.5                 | 257.4  | 237.8  | 215.5  | 207.0  | 216.1  | 237.9  | 257.7  | 40- 45   | 92.34       | 555.1        | 54.4,54.4  |
| 50       | 239.0                 | 232.8  | 212.0  | 189.0  | 178.9  | 189.3  | 212.5  | 232.8  | 45- 50   | 90.35       | 645.4        | 63.2,63.2  |
| 55       | 212.5                 | 205.3  | 183.8  | 159.5  | 150.2  | 160.1  | 184.2  | 205.6  | 50- 55   | 85.45       | 730.9        | 71.6,71.6  |
| 60       | 184.5                 | 178.0  | 155.5  | 130.5  | 121.3  | 131.5  | 155.8  | 178.5  | 55- 60   | 77.81       | 808.7        | 79.2,79.2  |
| 65       | 155.8                 | 148.7  | 125.4  | 100.5  | 92.17  | 101.3  | 125.6  | 148.9  | 60- 65   | 67.78       | 876.4        | 85.9,85.9  |
| 70       | 126.3                 | 119.0  | 95.29  | 70.95  | 62.49  | 71.66  | 95.35  | 118.9  | 65- 70   | 55.57       | 932.0        | 91.3,91.3  |
| 75       | 95.73                 | 89.01  | 66.02  | 41.99  | 34.60  | 42.34  | 65.80  | 88.89  | 70- 75   | 41.89       | 973.9        | 95.4,95.4  |
| 80       | 65.39                 | 58.74  | 36.76  | 19.11  | 11.73  | 19.09  | 36.24  | 58.74  | 75- 80   | 27.62       | 1002         | 98.1,98.1  |
| 85       | 20.86                 | 29.10  | 18.47  | 4.824  | 0.2391 | 4.653  | 18.21  | 29.18  | 80- 85   | 14.51       | 1016         | 99.5,99.5  |
| 90       | 0.0489                | 0.1795 | 0.1876 | 0.2936 | 0.1722 | 0.2447 | 0.1835 | 0.1183 | 85- 90   | 4.615       | 1021         | 100,100    |
| 95       |                       |        |        |        |        |        |        |        | 90- 95   |             |              |            |
| 100      |                       |        |        |        |        |        |        |        | 95-100   |             |              |            |
| 105      |                       |        |        |        |        |        |        |        | 100-105  |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 105-110  |             |              |            |
| 115      |                       |        |        |        |        |        |        |        | 110-115  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 115-120  |             |              |            |
| 125      |                       |        |        |        |        |        |        |        | 120-125  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 125-130  |             |              |            |
| 135      |                       |        |        |        |        |        |        |        | 130-135  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 135-140  |             |              |            |
| 145      |                       |        |        |        |        |        |        |        | 140-145  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 145-150  |             |              |            |
| 155      |                       |        |        |        |        |        |        |        | 150-155  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 155-160  |             |              |            |
| 165      |                       |        |        |        |        |        |        |        | 160-165  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 165-170  |             |              |            |
| 175      |                       |        |        |        |        |        |        |        | 170-175  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 175-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 555.06 lm

%lum = 54.4%

%lamp = 54.4%

Conical surface Flux(120deg): 808.67 lm

%lum = 79.2%

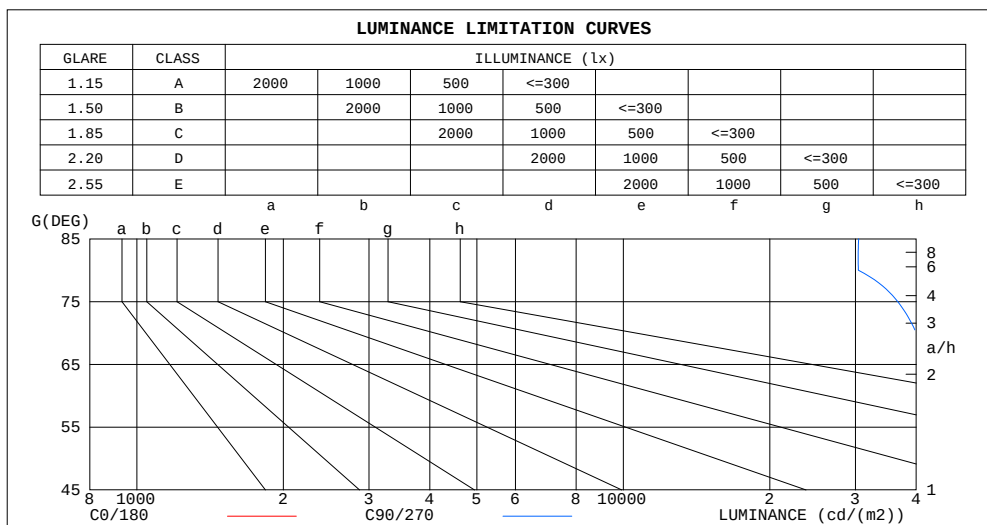
%lamp = 79.2%

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 34393  | 30451   |
| 80                | 54103  | 30412   |
| 75                | 53143  | 36650   |
| 70                | 53043  | 40028   |
| 65                | 52978  | 42637   |
| 60                | 53023  | 44697   |
| 55                | 53234  | 46030   |
| 50                | 53423  | 47379   |
| 45                | 53954  | 48328   |

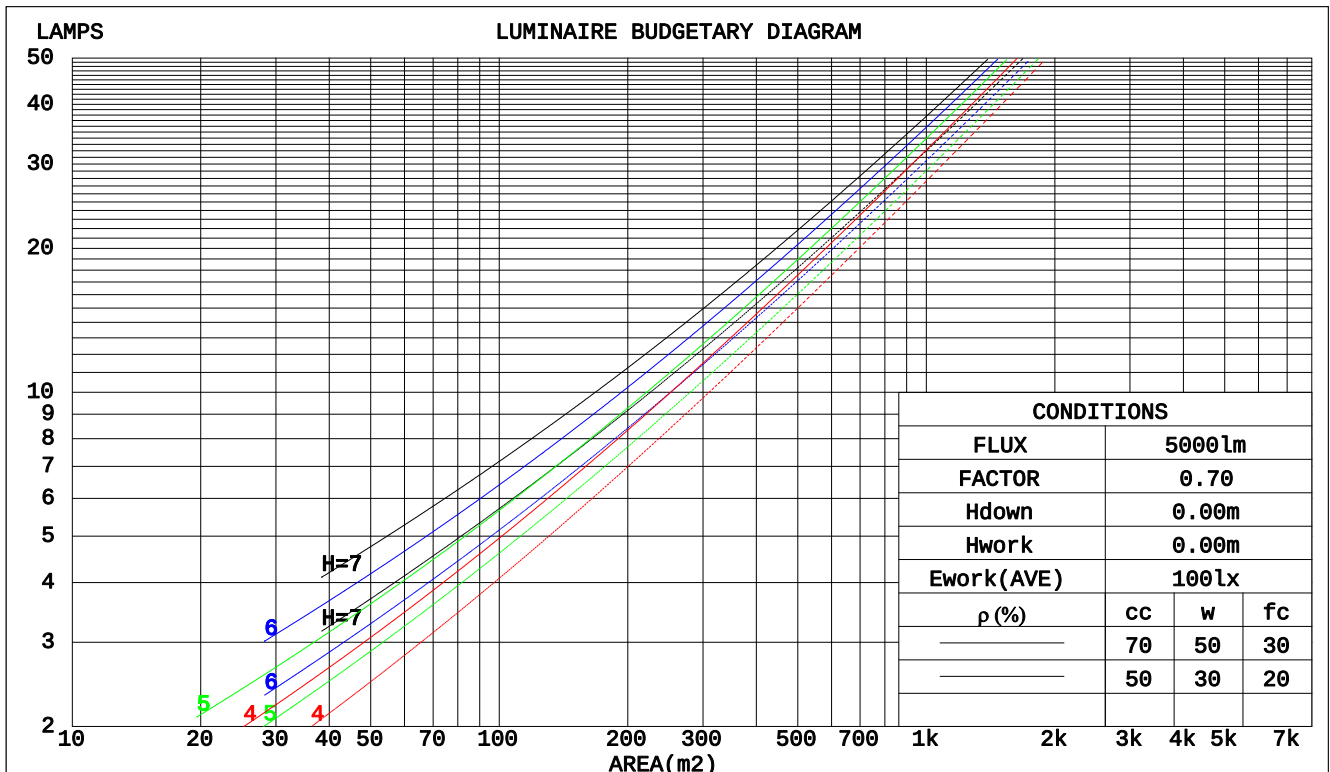
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |
| 0.0         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0         | 1.04                  | .90  | .96  | 1.02 | .98  | .94  | .97                             | .94  | .91  | .94  | .91  | .89  | .90  | .88  | .86  | .84  |
| 2.0         | .91                   | .84  | .78  | .89  | .82  | .77  | .85                             | .80  | .75  | .82  | .78  | .74  | .79  | .75  | .72  | .70  |
| 3.0         | .80                   | .71  | .65  | .78  | .70  | .64  | .75                             | .69  | .63  | .72  | .67  | .62  | .70  | .65  | .61  | .59  |
| 4.0         | .71                   | .62  | .55  | .69  | .61  | .55  | .67                             | .60  | .54  | .64  | .58  | .53  | .62  | .57  | .52  | .50  |
| 5.0         | .63                   | .54  | .47  | .62  | .53  | .47  | .60                             | .52  | .47  | .58  | .51  | .46  | .56  | .50  | .46  | .43  |
| 6.0         | .57                   | .48  | .41  | .56  | .47  | .41  | .54                             | .46  | .41  | .52  | .46  | .40  | .51  | .45  | .40  | .38  |
| 7.0         | .52                   | .43  | .37  | .51  | .42  | .36  | .49                             | .42  | .36  | .48  | .41  | .36  | .46  | .40  | .36  | .34  |
| 8.0         | .47                   | .39  | .33  | .46  | .38  | .33  | .45                             | .38  | .32  | .44  | .37  | .32  | .43  | .36  | .32  | .30  |
| 9.0         | .43                   | .35  | .29  | .43  | .35  | .29  | .41                             | .34  | .29  | .40  | .34  | .29  | .39  | .33  | .29  | .27  |
| 10.0        | .40                   | .32  | .27  | .39  | .32  | .27  | .38                             | .31  | .26  | .37  | .31  | .26  | .36  | .31  | .26  | .24  |



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|                                                                           |  |  |                      |  |                          |
|---------------------------------------------------------------------------|--|--|----------------------|--|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |  |  |                      |  |                          |
| NAME: Led linear light                                                    |  |  | TYPE:fixed           |  | WEIGHT:216g              |
| SPEC.:15W                                                                 |  |  | DIM.: L351*W23*H27mm |  | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   |  |  | SUR.:D348X20         |  | Shielding Angle:...      |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .308                  | .175 | .055 | .300 | .171 | .054 | .287                            | .165 | .053 | .275 | .159 | .051 | .264 | .153 | .049 |   |  |
| 2.0         | .290                  | .159 | .049 | .283 | .156 | .048 | .272                            | .151 | .047 | .261 | .146 | .046 | .251 | .142 | .045 |   |  |
| 3.0         | .268                  | .143 | .043 | .263 | .141 | .042 | .252                            | .137 | .042 | .243 | .133 | .041 | .234 | .130 | .040 |   |  |
| 4.0         | .248                  | .129 | .038 | .243 | .127 | .038 | .234                            | .124 | .037 | .225 | .121 | .036 | .217 | .118 | .036 |   |  |
| 5.0         | .229                  | .117 | .034 | .225 | .115 | .034 | .217                            | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 |   |  |
| 6.0         | .213                  | .107 | .030 | .209 | .105 | .030 | .201                            | .103 | .030 | .195 | .101 | .030 | .188 | .099 | .029 |   |  |
| 7.0         | .198                  | .098 | .028 | .194 | .097 | .028 | .188                            | .095 | .027 | .182 | .093 | .027 | .176 | .092 | .027 |   |  |
| 8.0         | .185                  | .090 | .025 | .182 | .090 | .025 | .176                            | .088 | .025 | .171 | .086 | .025 | .166 | .085 | .025 |   |  |
| 9.0         | .173                  | .084 | .023 | .171 | .083 | .023 | .165                            | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 |   |  |
| 10.0        | .163                  | .078 | .022 | .161 | .078 | .022 | .156                            | .076 | .022 | .151 | .075 | .021 | .147 | .074 | .021 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .180                  | .156 | .135 | .154 | .134 | .116 | .105                                       | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0         | .172                  | .132 | .098 | .147 | .114 | .085 | .101                                       | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0         | .164                  | .114 | .075 | .141 | .099 | .065 | .097                                       | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0         | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0         | .149                  | .091 | .047 | .128 | .078 | .041 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0         | .142                  | .082 | .039 | .122 | .071 | .034 | .084                                       | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0         | .135                  | .075 | .033 | .116 | .065 | .029 | .080                                       | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0         | .129                  | .069 | .029 | .111 | .060 | .025 | .077                                       | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0         | .123                  | .064 | .025 | .106 | .056 | .022 | .073                                       | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0        | .117                  | .060 | .022 | .101 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

### UGR(Unified Glare Rating) Table

|                                                                           |               |                  |      |      |                      |               |                |                          |      |      |      |
|---------------------------------------------------------------------------|---------------|------------------|------|------|----------------------|---------------|----------------|--------------------------|------|------|------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |               |                  |      |      |                      |               |                |                          |      |      |      |
| NAME: Led linear light                                                    |               |                  |      |      | TYPE:fixed           |               |                | WEIGHT:216g              |      |      |      |
| SPEC.:15W                                                                 |               |                  |      |      | DIM.: L351*W23*H27mm |               |                | SERIAL No.:GEN2026078.01 |      |      |      |
| MFR.: KOE Lighting Ltd.                                                   |               |                  |      |      | SUR.:D348X20         |               |                | Shielding Angle:...      |      |      |      |
| ceiling/cavity                                                            | 0.7           | 0.7              | 0.5  | 0.5  | 0.3                  | 0.7           | 0.7            | 0.5                      | 0.5  | 0.3  |      |
| walls                                                                     | 0.5           | 0.3              | 0.5  | 0.3  | 0.3                  | 0.5           | 0.3            | 0.5                      | 0.3  | 0.3  |      |
| working plane                                                             | 0.2           | 0.2              | 0.2  | 0.2  | 0.2                  | 0.2           | 0.2            | 0.2                      | 0.2  | 0.2  |      |
| Room dimensions                                                           |               | Viewed crosswise |      |      |                      |               | Viewed endwise |                          |      |      |      |
| x = 2H y = 2H                                                             | 2H            | 27.1             | 28.6 | 27.4 | 28.8                 | 29.0          | 26.5           | 28.0                     | 26.7 | 28.2 | 28.4 |
|                                                                           | 3H            | 28.9             | 30.3 | 29.2 | 30.5                 | 30.7          | 28.0           | 29.4                     | 28.3 | 29.6 | 29.8 |
|                                                                           | 4H            | 29.7             | 31.0 | 30.0 | 31.3                 | 31.5          | 28.6           | 29.9                     | 28.9 | 30.1 | 30.4 |
|                                                                           | 6H            | 30.3             | 31.6 | 30.7 | 31.8                 | 32.1          | 28.9           | 30.2                     | 29.3 | 30.5 | 30.8 |
|                                                                           | 8H            | 30.5             | 31.7 | 30.8 | 32.0                 | 32.3          | 29.1           | 30.3                     | 29.4 | 30.6 | 30.9 |
|                                                                           | 12H           | 30.6             | 31.8 | 30.9 | 32.0                 | 32.3          | 29.2           | 30.3                     | 29.5 | 30.6 | 30.9 |
| 4H                                                                        | 2H            | 27.7             | 29.0 | 28.0 | 29.3                 | 29.6          | 27.3           | 28.6                     | 27.6 | 28.8 | 29.1 |
|                                                                           | 3H            | 29.7             | 30.9 | 30.1 | 31.2                 | 31.5          | 29.0           | 30.1                     | 29.3 | 30.4 | 30.7 |
|                                                                           | 4H            | 30.7             | 31.7 | 31.0 | 32.1                 | 32.4          | 29.7           | 30.8                     | 30.1 | 31.1 | 31.4 |
|                                                                           | 6H            | 31.5             | 32.4 | 31.9 | 32.8                 | 33.1          | 30.2           | 31.2                     | 30.6 | 31.5 | 31.9 |
|                                                                           | 8H            | 31.7             | 32.6 | 32.1 | 32.9                 | 33.3          | 30.4           | 31.3                     | 30.8 | 31.7 | 32.0 |
|                                                                           | 12H           | 31.8             | 32.6 | 32.2 | 33.0                 | 33.4          | 30.6           | 31.4                     | 31.0 | 31.7 | 32.2 |
| 8H                                                                        | 4H            | 31.0             | 31.9 | 31.4 | 32.2                 | 32.6          | 30.1           | 31.0                     | 30.6 | 31.4 | 31.8 |
|                                                                           | 6H            | 32.0             | 32.7 | 32.4 | 33.1                 | 33.5          | 30.9           | 31.6                     | 31.3 | 32.0 | 32.4 |
|                                                                           | 8H            | 32.3             | 33.0 | 32.8 | 33.4                 | 33.9          | 31.2           | 31.8                     | 31.6 | 32.2 | 32.7 |
|                                                                           | 12H           | 32.6             | 33.1 | 33.1 | 33.6                 | 34.1          | 31.4           | 31.9                     | 31.9 | 32.4 | 32.9 |
| 12H                                                                       | 4H            | 31.0             | 31.8 | 31.4 | 32.2                 | 32.6          | 30.2           | 31.0                     | 30.6 | 31.4 | 31.8 |
|                                                                           | 6H            | 32.0             | 32.7 | 32.5 | 33.1                 | 33.6          | 31.0           | 31.7                     | 31.5 | 32.1 | 32.5 |
|                                                                           | 8H            | 32.5             | 33.0 | 32.9 | 33.5                 | 34.0          | 31.3           | 31.9                     | 31.8 | 32.4 | 32.8 |
| Variations with the observer position at spacings:                        |               |                  |      |      |                      |               |                |                          |      |      |      |
| S = 1.0H                                                                  | + 0.1 / - 0.1 |                  |      |      |                      | + 0.2 / - 0.2 |                |                          |      |      |      |
| 1.5H                                                                      | + 0.1 / - 0.2 |                  |      |      |                      | + 0.2 / - 0.4 |                |                          |      |      |      |
| 2.0H                                                                      | + 0.1 / - 0.2 |                  |      |      |                      | + 0.2 / - 0.4 |                |                          |      |      |      |

CIE Pub.117, 1021 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.1$ )

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |

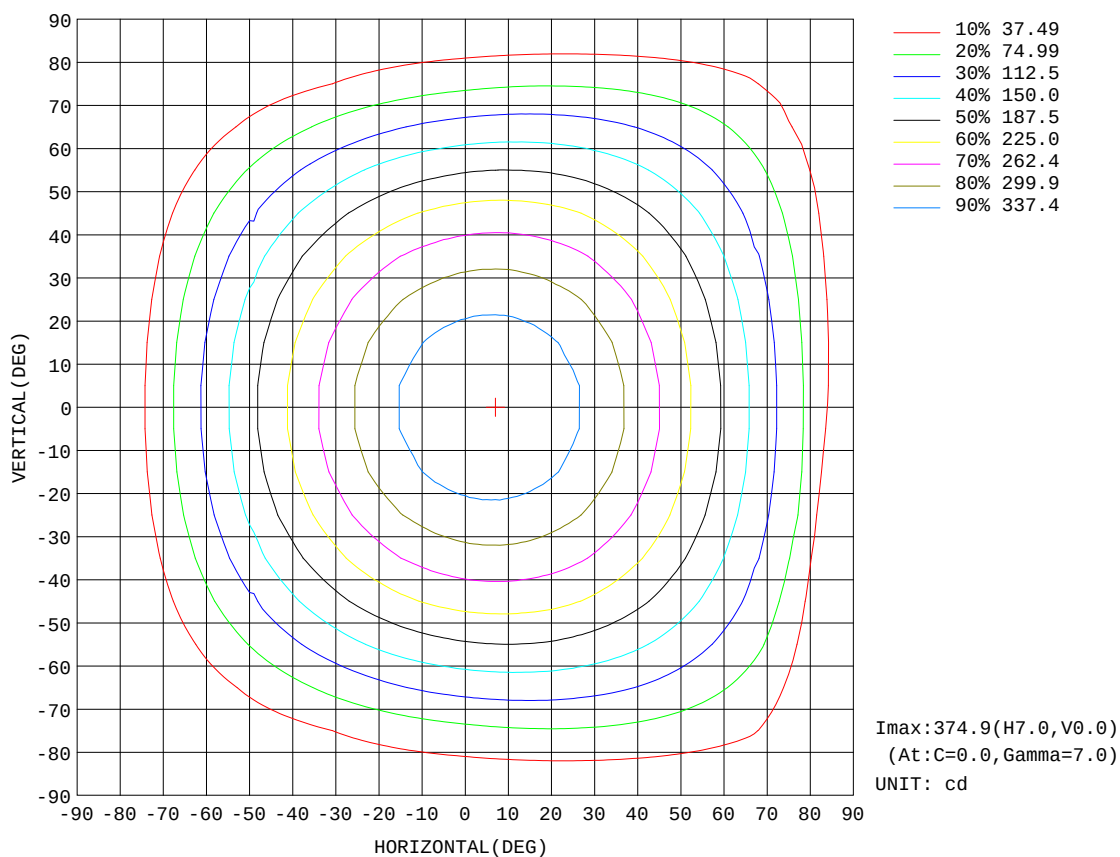
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                 | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                 | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58                                                  | 46  | 39        | 57  | 46  | 39  | 56  | 46            | 39  | 33     |
| 0.80                             | 68                                                  | 56  | 49        | 67  | 56  | 49  | 65  | 55            | 49  | 42     |
| 1.00                             | 76                                                  | 65  | 58        | 75  | 65  | 58  | 73  | 66            | 57  | 50     |
| 1.25                             | 83                                                  | 73  | 66        | 82  | 72  | 65  | 79  | 71            | 65  | 57     |
| 1.50                             | 88                                                  | 79  | 72        | 87  | 78  | 71  | 84  | 76            | 70  | 63     |
| 2.00                             | 95                                                  | 87  | 80        | 93  | 85  | 80  | 90  | 83            | 78  | 70     |
| 2.50                             | 99                                                  | 91  | 85        | 97  | 90  | 84  | 93  | 87            | 83  | 74     |
| 3.00                             | 102                                                 | 96  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106                                                 | 101 | 96        | 104 | 99  | 95  | 100 | 96            | 92  | 83     |
| 5.00                             | 109                                                 | 104 | 100       | 106 | 102 | 98  | 102 | 98            | 95  | 86     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |

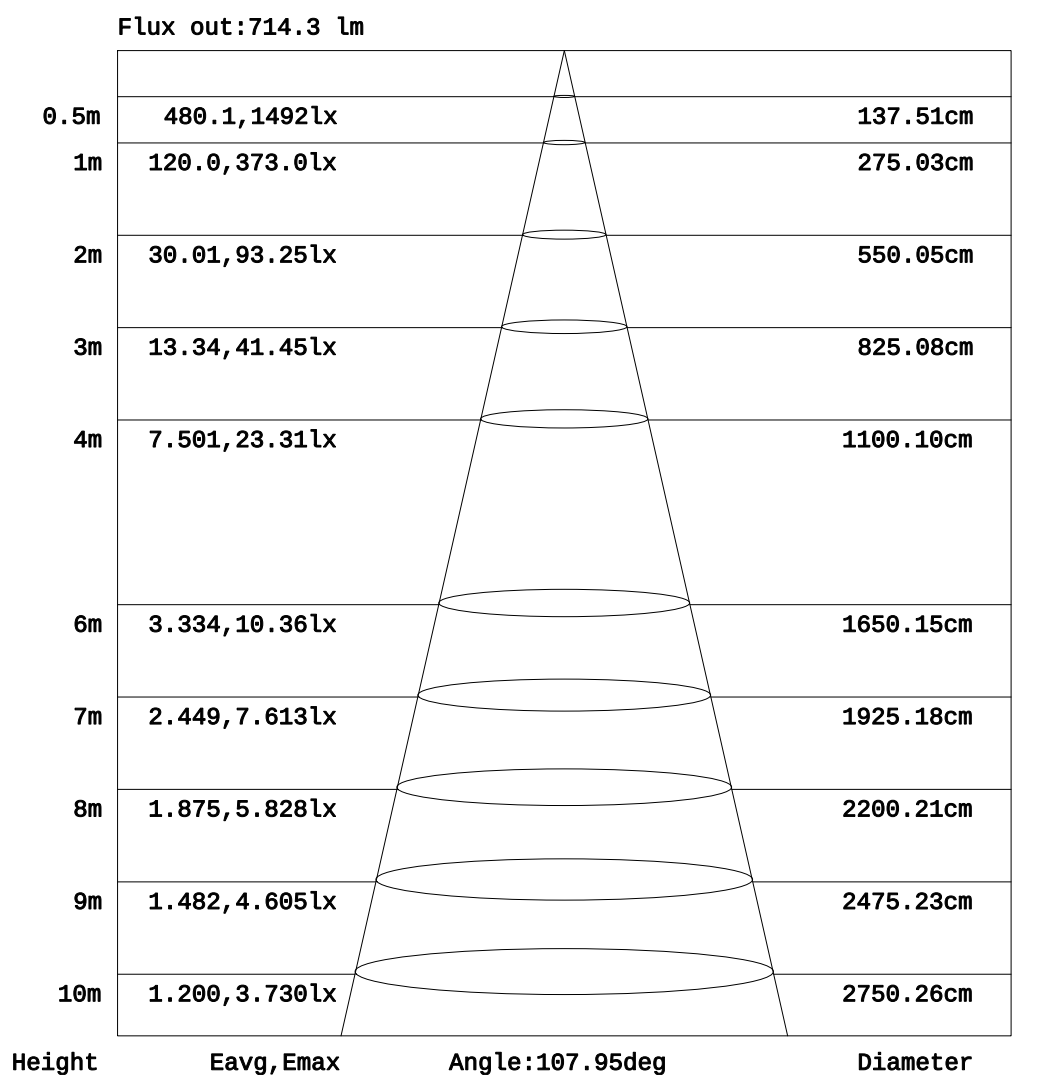


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |



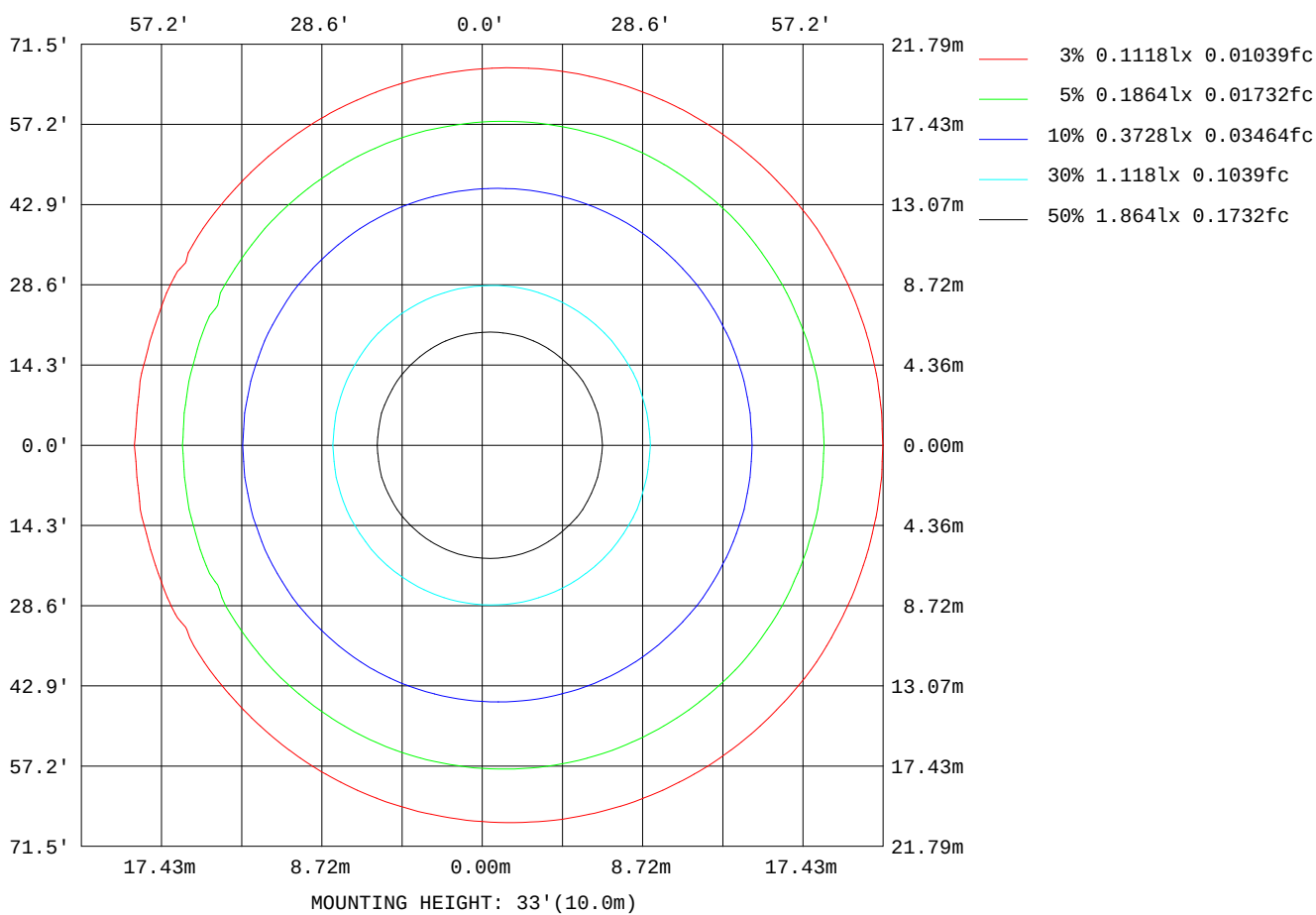
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                           |                      |                          |
|---------------------------------------------------------------------------|----------------------|--------------------------|
| Test:U:48.00V I:0.3150A P:15.12W PF:1.000 Freq:0Hz Lamp Flux:1020.65x1 lm |                      |                          |
| NAME: Led linear light                                                    | TYPE:fixed           | WEIGHT:216g              |
| SPEC.:15W                                                                 | DIM.: L351*W23*H27mm | SERIAL No.:GEN2026078.01 |
| MFR.: KOE Lighting Ltd.                                                   | SUR.:D348X20         | Shielding Angle:...      |

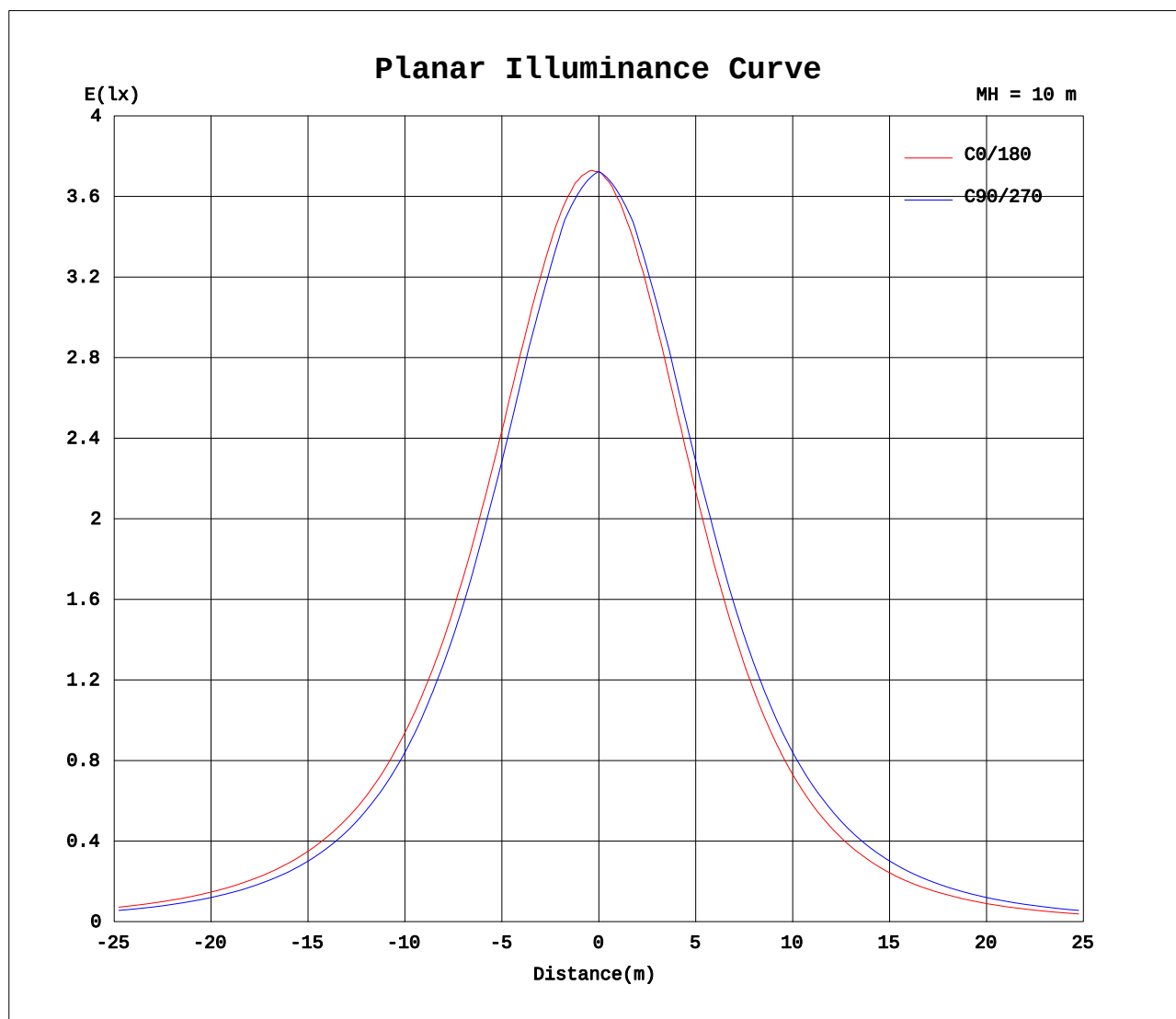
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 42156 |
| L_0~180(75)av  | 36176 |
| L_0~180(85)av  | 17394 |
| L_90~270(65)av | 42666 |
| L_90~270(75)av | 36588 |
| L_90~270(85)av | 30237 |
| L_45(65)av     | 42441 |
| L_45(75)av     | 36393 |
| L_45(85)av     | 27924 |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

```
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:
```

## Photometric Data Table [cd]

| G/C  | 0.0    | 5.0    | 10.0   | 15.0   | 20.0   | 25.0   | 30.0   | 35.0   | 40.0   | 45.0   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 373.9  | 373.7  | 373.5  | 373.3  | 373.1  | 373.0  | 372.8  | 372.6  | 372.3  | 372.0  |
| 5.0  | 374.6  | 374.2  | 373.8  | 373.5  | 373.1  | 372.7  | 372.3  | 371.9  | 371.6  | 371.3  |
| 7.5  | 374.4  | 373.9  | 373.5  | 373.0  | 372.7  | 372.1  | 371.6  | 371.2  | 370.8  | 370.4  |
| 10.0 | 373.2  | 372.5  | 371.9  | 371.2  | 370.6  | 370.1  | 369.7  | 369.6  | 369.3  | 368.8  |
| 12.5 | 370.9  | 370.1  | 369.4  | 368.8  | 368.2  | 367.8  | 367.4  | 367.2  | 366.8  | 366.4  |
| 15.0 | 367.5  | 366.6  | 365.9  | 365.2  | 364.7  | 364.4  | 364.2  | 364.2  | 364.1  | 363.1  |
| 17.5 | 363.4  | 362.3  | 361.4  | 360.8  | 360.4  | 360.4  | 360.9  | 360.4  | 358.9  | 357.8  |
| 20.0 | 358.1  | 357.0  | 356.4  | 356.1  | 356.0  | 356.0  | 355.6  | 354.1  | 353.3  | 352.2  |
| 22.5 | 352.4  | 351.1  | 350.2  | 349.7  | 349.7  | 350.5  | 349.2  | 347.9  | 346.7  | 345.9  |
| 25.0 | 345.6  | 344.2  | 343.3  | 343.0  | 343.4  | 342.7  | 341.4  | 340.6  | 340.0  | 339.6  |
| 27.5 | 337.9  | 336.4  | 335.8  | 335.5  | 336.0  | 334.6  | 333.5  | 332.9  | 332.5  | 332.2  |
| 30.0 | 329.5  | 328.0  | 327.3  | 327.3  | 327.0  | 326.1  | 325.4  | 325.1  | 324.5  | 322.4  |
| 32.5 | 320.4  | 318.7  | 318.1  | 318.3  | 317.7  | 316.9  | 316.8  | 317.2  | 314.5  | 312.7  |
| 35.0 | 310.4  | 308.7  | 308.2  | 308.6  | 307.5  | 307.4  | 307.8  | 306.3  | 304.5  | 302.8  |
| 37.5 | 300.0  | 298.2  | 298.0  | 298.2  | 297.2  | 297.4  | 297.2  | 295.1  | 293.7  | 292.5  |
| 40.0 | 289.2  | 287.4  | 287.1  | 286.6  | 286.1  | 286.9  | 285.5  | 283.7  | 282.8  | 281.7  |
| 42.5 | 277.8  | 275.9  | 275.6  | 274.9  | 275.2  | 275.0  | 273.1  | 272.4  | 271.3  | 269.6  |
| 45.0 | 265.5  | 263.7  | 263.8  | 263.1  | 263.8  | 262.6  | 260.9  | 260.6  | 258.8  | 257.4  |
| 47.5 | 252.4  | 250.8  | 251.1  | 250.8  | 251.4  | 249.5  | 248.9  | 247.5  | 246.1  | 245.1  |
| 50.0 | 239.0  | 237.9  | 238.2  | 237.5  | 237.7  | 236.7  | 235.8  | 234.3  | 233.4  | 232.8  |
| 52.5 | 225.8  | 224.7  | 224.8  | 224.9  | 223.6  | 223.5  | 222.6  | 221.6  | 221.2  | 218.9  |
| 55.0 | 212.5  | 211.4  | 211.4  | 211.7  | 210.2  | 209.6  | 208.9  | 208.6  | 207.0  | 205.3  |
| 57.5 | 198.7  | 198.0  | 197.6  | 197.6  | 196.9  | 195.8  | 195.3  | 194.5  | 193.2  | 192.0  |
| 60.0 | 184.5  | 184.2  | 183.9  | 183.2  | 183.1  | 182.0  | 181.8  | 180.5  | 179.4  | 178.0  |
| 62.5 | 170.4  | 170.1  | 169.8  | 169.1  | 168.4  | 168.2  | 167.3  | 166.5  | 165.3  | 163.4  |
| 65.0 | 155.8  | 155.7  | 155.5  | 154.8  | 154.1  | 153.8  | 153.0  | 152.4  | 150.5  | 148.7  |
| 67.5 | 141.1  | 140.6  | 140.2  | 140.2  | 140.0  | 139.2  | 138.9  | 137.1  | 135.7  | 134.1  |
| 70.0 | 126.3  | 123.1  | 123.4  | 125.1  | 125.3  | 125.1  | 123.6  | 122.3  | 120.9  | 119.0  |
| 72.5 | 111.1  | 111.0  | 111.6  | 110.4  | 110.5  | 109.7  | 108.4  | 107.2  | 105.6  | 103.9  |
| 75.0 | 95.73  | 95.65  | 95.98  | 95.41  | 95.43  | 94.30  | 93.21  | 91.86  | 90.55  | 89.01  |
| 77.5 | 80.43  | 80.48  | 79.40  | 80.63  | 79.74  | 79.03  | 78.03  | 76.73  | 75.55  | 73.91  |
| 80.0 | 65.39  | 60.12  | 55.63  | 60.00  | 64.48  | 63.99  | 63.09  | 61.73  | 60.40  | 58.74  |
| 82.5 | 50.41  | 33.60  | 37.19  | 42.16  | 48.66  | 49.27  | 48.10  | 46.79  | 45.31  | 43.63  |
| 85.0 | 20.86  | 19.69  | 23.41  | 28.06  | 32.14  | 34.60  | 33.32  | 31.67  | 30.28  | 29.10  |
| 87.5 | 9.157  | 11.75  | 13.71  | 15.09  | 16.22  | 17.88  | 16.76  | 15.93  | 15.24  | 14.65  |
| 90.0 | 0.0489 | 0.1957 | 0.1917 | 0.1917 | 0.1917 | 0.1876 | 0.1835 | 0.1795 | 0.1795 | 0.1795 |

| G/C  | 50.0  | 55.0  | 60.0  | 65.0  | 70.0  | 75.0  | 80.0  | 85.0  | 90.0  | 95.0  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0  | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 | 372.4 |
| 2.5  | 371.7 | 371.5 | 371.2 | 370.9 | 370.7 | 370.6 | 370.6 | 370.5 | 370.4 | 370.2 |
| 5.0  | 371.1 | 370.8 | 370.5 | 370.1 | 369.6 | 369.2 | 368.8 | 368.6 | 368.5 | 368.0 |
| 7.5  | 369.9 | 369.5 | 369.1 | 368.8 | 368.3 | 367.8 | 367.2 | 366.8 | 366.5 | 365.8 |
| 10.0 | 368.5 | 368.3 | 367.6 | 367.2 | 366.9 | 366.3 | 365.6 | 365.0 | 364.5 | 363.6 |
| 12.5 | 367.0 | 365.7 | 365.0 | 363.7 | 362.7 | 361.8 | 360.6 | 359.8 | 358.8 | 357.9 |
| 15.0 | 361.9 | 360.9 | 359.9 | 358.8 | 357.5 | 356.8 | 355.5 | 354.5 | 353.1 | 352.3 |
| 17.5 | 356.5 | 355.7 | 354.7 | 353.6 | 352.6 | 351.5 | 350.3 | 349.1 | 347.5 | 346.5 |
| 20.0 | 351.1 | 350.1 | 349.4 | 348.7 | 347.2 | 346.0 | 345.2 | 343.7 | 341.8 | 340.7 |
| 22.5 | 345.5 | 344.7 | 343.6 | 342.3 | 340.6 | 338.6 | 337.2 | 335.2 | 333.2 | 332.0 |
| 25.0 | 339.0 | 337.8 | 335.8 | 333.7 | 332.2 | 330.1 | 328.6 | 326.6 | 324.6 | 323.2 |
| 27.5 | 330.4 | 328.5 | 326.8 | 325.1 | 323.4 | 321.6 | 320.0 | 318.1 | 316.1 | 314.4 |
| 30.0 | 320.8 | 319.3 | 317.9 | 316.3 | 314.6 | 313.1 | 311.4 | 309.5 | 307.5 | 305.7 |
| 32.5 | 311.1 | 309.9 | 308.7 | 307.3 | 305.2 | 303.0 | 300.8 | 298.6 | 296.6 | 294.5 |
| 35.0 | 301.4 | 300.4 | 298.4 | 296.4 | 294.3 | 292.0 | 289.9 | 287.7 | 285.6 | 283.4 |
| 37.5 | 291.2 | 289.1 | 287.1 | 285.3 | 283.4 | 281.1 | 279.0 | 276.9 | 274.7 | 272.2 |
| 40.0 | 279.7 | 277.9 | 275.9 | 274.1 | 272.0 | 270.3 | 268.1 | 265.9 | 263.7 | 260.9 |
| 42.5 | 268.0 | 266.6 | 265.0 | 263.0 | 260.4 | 258.3 | 255.6 | 253.1 | 250.8 | 248.0 |
| 45.0 | 256.6 | 255.2 | 253.3 | 250.3 | 247.8 | 245.4 | 242.8 | 240.3 | 237.8 | 235.0 |
| 47.5 | 244.5 | 242.2 | 240.2 | 237.5 | 235.0 | 232.6 | 230.1 | 227.5 | 224.9 | 222.0 |
| 50.0 | 230.9 | 228.9 | 227.0 | 224.9 | 222.3 | 219.9 | 217.4 | 214.7 | 212.0 | 209.1 |
| 52.5 | 217.4 | 215.9 | 213.9 | 212.1 | 209.3 | 206.3 | 203.6 | 200.7 | 197.9 | 195.0 |
| 55.0 | 204.0 | 202.6 | 200.4 | 197.9 | 195.1 | 192.2 | 189.6 | 186.6 | 183.8 | 180.8 |
| 57.5 | 190.9 | 188.4 | 186.0 | 183.7 | 180.9 | 178.1 | 175.5 | 172.6 | 169.6 | 166.6 |
| 60.0 | 176.0 | 173.8 | 171.5 | 169.3 | 166.6 | 164.0 | 161.5 | 158.5 | 155.5 | 152.5 |
| 62.5 | 161.4 | 159.4 | 157.1 | 154.9 | 152.2 | 149.3 | 146.6 | 143.5 | 140.5 | 137.5 |
| 65.0 | 146.9 | 145.1 | 142.4 | 139.9 | 137.3 | 134.4 | 131.5 | 128.4 | 125.4 | 122.5 |
| 67.5 | 132.1 | 130.0 | 127.5 | 124.9 | 122.4 | 119.4 | 116.4 | 113.3 | 110.4 | 107.4 |
| 70.0 | 117.1 | 114.9 | 112.5 | 110.0 | 107.4 | 104.4 | 101.4 | 98.27 | 95.29 | 92.42 |
| 72.5 | 102.1 | 99.93 | 97.61 | 95.13 | 92.55 | 89.64 | 86.67 | 83.63 | 80.65 | 77.89 |
| 75.0 | 87.13 | 84.94 | 82.68 | 80.27 | 77.71 | 74.89 | 71.97 | 68.99 | 66.02 | 63.38 |
| 77.5 | 71.93 | 69.90 | 67.71 | 65.39 | 62.87 | 60.13 | 57.25 | 54.35 | 51.39 | 48.89 |
| 80.0 | 56.81 | 54.87 | 52.74 | 50.50 | 48.03 | 45.35 | 42.51 | 39.70 | 36.76 | 34.40 |
| 82.5 | 41.84 | 40.33 | 38.79 | 37.25 | 35.55 | 33.73 | 31.75 | 29.77 | 27.61 | 25.77 |
| 85.0 | 27.97 | 26.96 | 25.94 | 24.91 | 23.77 | 22.56 | 21.24 | 19.91 | 18.47 | 17.24 |

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-07-27

V(B) Range:-90 - 90DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:7.880m [K=1.0000]

Remarks:

## Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 87.5 | 14.08  | 13.58  | 13.06  | 12.54  | 11.98  | 11.37  | 10.70  | 10.04  | 9.330  | 8.722  |
| 90.0 | 0.1795 | 0.1795 | 0.1795 | 0.1631 | 0.1631 | 0.1672 | 0.1672 | 0.1713 | 0.1876 | 0.2039 |
| G/C  | 100.0  | 105.0  | 110.0  | 115.0  | 120.0  | 125.0  | 130.0  | 135.0  | 140.0  | 145.0  |
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 370.0  | 369.9  | 369.7  | 369.5  | 369.3  | 369.1  | 368.9  | 368.8  | 368.7  | 368.6  |
| 5.0  | 367.6  | 367.2  | 366.7  | 366.3  | 366.0  | 365.7  | 365.5  | 365.3  | 365.1  | 364.9  |
| 7.5  | 365.2  | 364.6  | 363.9  | 363.3  | 362.7  | 362.1  | 361.3  | 360.8  | 360.4  | 360.1  |
| 10.0 | 362.9  | 362.0  | 361.0  | 360.0  | 359.0  | 357.9  | 357.1  | 356.4  | 355.6  | 354.9  |
| 12.5 | 357.2  | 356.2  | 355.4  | 354.6  | 353.8  | 353.5  | 352.7  | 351.4  | 350.3  | 349.4  |
| 15.0 | 351.1  | 350.1  | 348.9  | 347.8  | 347.1  | 346.1  | 345.4  | 345.2  | 344.7  | 343.1  |
| 17.5 | 345.1  | 343.9  | 342.3  | 341.3  | 339.7  | 338.5  | 337.9  | 336.7  | 336.4  | 336.4  |
| 20.0 | 339.2  | 337.6  | 336.3  | 334.0  | 332.3  | 331.0  | 329.4  | 328.5  | 328.1  | 327.6  |
| 22.5 | 330.6  | 329.1  | 328.0  | 326.1  | 325.1  | 322.8  | 321.4  | 320.1  | 318.9  | 318.0  |
| 25.0 | 321.6  | 319.9  | 318.0  | 316.4  | 315.0  | 314.0  | 313.1  | 310.9  | 309.5  | 308.5  |
| 27.5 | 312.4  | 310.8  | 308.3  | 306.4  | 304.8  | 303.8  | 302.3  | 301.8  | 299.8  | 297.8  |
| 30.0 | 303.3  | 301.3  | 298.8  | 296.7  | 295.0  | 292.9  | 291.5  | 290.3  | 289.1  | 287.6  |
| 32.5 | 292.4  | 290.6  | 288.2  | 286.9  | 284.6  | 282.6  | 280.4  | 278.6  | 277.4  | 276.7  |
| 35.0 | 281.1  | 278.9  | 276.5  | 275.0  | 273.2  | 271.7  | 269.3  | 267.0  | 265.2  | 264.2  |
| 37.5 | 269.9  | 267.3  | 265.0  | 263.2  | 261.0  | 259.1  | 257.9  | 255.3  | 252.7  | 250.9  |
| 40.0 | 258.6  | 256.0  | 253.3  | 251.0  | 248.5  | 246.6  | 244.5  | 242.7  | 240.1  | 238.3  |
| 42.5 | 245.7  | 243.5  | 241.1  | 239.0  | 236.0  | 233.8  | 231.3  | 228.9  | 227.6  | 225.4  |
| 45.0 | 232.6  | 230.2  | 227.7  | 225.4  | 223.4  | 221.1  | 218.1  | 215.5  | 213.7  | 212.5  |
| 47.5 | 219.5  | 216.9  | 214.4  | 211.6  | 209.6  | 207.1  | 205.1  | 202.2  | 199.8  | 198.3  |
| 50.0 | 206.3  | 203.7  | 201.0  | 198.1  | 195.4  | 192.8  | 190.7  | 189.0  | 186.2  | 184.2  |
| 52.5 | 192.3  | 189.8  | 187.3  | 184.6  | 181.5  | 178.8  | 176.1  | 174.1  | 172.7  | 169.9  |
| 55.0 | 178.1  | 175.4  | 172.7  | 170.1  | 167.3  | 164.8  | 162.0  | 159.5  | 157.6  | 156.1  |
| 57.5 | 164.0  | 161.2  | 158.4  | 155.5  | 152.6  | 150.0  | 147.7  | 145.2  | 142.6  | 141.2  |
| 60.0 | 149.9  | 147.0  | 144.0  | 140.8  | 137.8  | 135.1  | 132.7  | 130.5  | 128.2  | 125.9  |
| 62.5 | 135.0  | 132.1  | 129.3  | 126.3  | 123.3  | 120.4  | 117.7  | 115.3  | 113.5  | 111.1  |
| 65.0 | 119.8  | 116.9  | 114.0  | 111.1  | 108.3  | 105.8  | 103.0  | 100.5  | 98.22  | 96.51  |
| 67.5 | 104.6  | 101.7  | 98.73  | 95.92  | 93.09  | 90.54  | 88.20  | 85.91  | 83.48  | 81.35  |
| 70.0 | 89.50  | 86.62  | 83.58  | 80.76  | 78.02  | 75.46  | 73.18  | 70.95  | 69.03  | 66.86  |
| 72.5 | 74.99  | 72.12  | 69.07  | 66.07  | 63.05  | 60.58  | 58.30  | 56.30  | 54.43  | 52.70  |
| 75.0 | 60.60  | 57.88  | 55.06  | 52.36  | 49.69  | 47.06  | 44.21  | 41.99  | 40.34  | 38.91  |
| 77.5 | 46.24  | 43.69  | 41.16  | 38.77  | 36.51  | 34.38  | 32.19  | 30.05  | 27.54  | 25.72  |
| 80.0 | 31.91  | 29.54  | 27.34  | 25.27  | 23.46  | 21.84  | 20.40  | 19.11  | 17.70  | 15.89  |
| 82.5 | 23.66  | 21.46  | 19.20  | 16.77  | 14.35  | 11.87  | 9.472  | 8.482  | 8.308  | 7.632  |
| 85.0 | 15.83  | 14.36  | 12.85  | 11.22  | 9.598  | 7.937  | 6.334  | 4.824  | 3.508  | 1.836  |
| 87.5 | 8.018  | 7.290  | 6.537  | 5.729  | 4.920  | 4.092  | 3.290  | 2.532  | 1.872  | 1.005  |
| 90.0 | 0.2121 | 0.2325 | 0.2448 | 0.2651 | 0.2773 | 0.2896 | 0.2936 | 0.2936 | 0.2894 | 0.2773 |
| G/C  | 150.0  | 155.0  | 160.0  | 165.0  | 170.0  | 175.0  | 180.0  | 185.0  | 190.0  | 195.0  |
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 368.6  | 368.6  | 368.7  | 368.8  | 368.9  | 369.0  | 369.2  | 369.0  | 368.9  | 368.8  |
| 5.0  | 364.7  | 364.6  | 364.5  | 364.5  | 364.6  | 364.8  | 365.0  | 364.8  | 364.6  | 364.5  |
| 7.5  | 359.9  | 359.8  | 359.8  | 359.8  | 359.9  | 360.1  | 360.5  | 360.1  | 359.9  | 359.8  |
| 10.0 | 354.5  | 354.3  | 354.1  | 354.1  | 354.3  | 354.7  | 355.2  | 354.6  | 354.2  | 354.0  |
| 12.5 | 348.8  | 348.1  | 347.5  | 347.3  | 347.6  | 348.0  | 348.7  | 348.1  | 347.7  | 347.5  |
| 15.0 | 342.2  | 341.3  | 340.7  | 340.5  | 340.5  | 340.9  | 341.6  | 340.9  | 340.5  | 340.5  |
| 17.5 | 335.4  | 334.2  | 333.2  | 332.6  | 332.4  | 332.8  | 333.6  | 332.7  | 332.3  | 332.3  |
| 20.0 | 327.7  | 326.1  | 325.1  | 324.2  | 323.8  | 323.8  | 324.4  | 323.7  | 323.6  | 324.1  |
| 22.5 | 318.0  | 318.2  | 316.2  | 314.9  | 314.3  | 314.5  | 315.5  | 314.5  | 314.3  | 314.9  |
| 25.0 | 307.5  | 307.3  | 306.7  | 305.1  | 304.4  | 304.6  | 305.6  | 304.6  | 304.4  | 304.9  |
| 27.5 | 296.9  | 296.3  | 296.6  | 294.7  | 293.7  | 293.7  | 294.6  | 293.7  | 293.8  | 294.7  |
| 30.0 | 285.7  | 284.9  | 284.7  | 283.8  | 282.6  | 282.4  | 283.2  | 282.4  | 282.7  | 284.2  |
| 32.5 | 274.7  | 273.1  | 272.7  | 271.3  | 270.8  | 271.7  | 270.8  | 271.3  | 271.3  | 273.0  |
| 35.0 | 262.9  | 261.2  | 260.7  | 261.3  | 259.4  | 258.6  | 259.3  | 258.5  | 259.2  | 260.9  |
| 37.5 | 250.5  | 249.2  | 247.8  | 248.0  | 246.6  | 245.7  | 246.8  | 245.8  | 246.6  | 247.9  |
| 40.0 | 237.2  | 236.5  | 234.8  | 234.0  | 233.4  | 232.6  | 233.8  | 232.8  | 233.7  | 234.1  |
| 42.5 | 223.7  | 223.3  | 221.6  | 220.4  | 220.5  | 219.6  | 220.6  | 219.6  | 220.5  | 220.7  |
| 45.0 | 210.3  | 209.1  | 208.4  | 207.2  | 207.2  | 206.0  | 207.0  | 206.0  | 207.4  | 207.3  |
| 47.5 | 196.9  | 195.1  | 194.9  | 193.3  | 193.2  | 192.1  | 192.9  | 192.3  | 193.4  | 193.2  |
| 50.0 | 183.1  | 181.3  | 180.2  | 179.1  | 178.7  | 178.1  | 178.9  | 178.2  | 178.9  | 179.5  |
| 52.5 | 168.6  | 167.4  | 165.7  | 165.1  | 164.4  | 163.9  | 164.5  | 164.0  | 164.6  | 165.6  |
| 55.0 | 153.8  | 152.6  | 151.2  | 151.2  | 149.8  | 149.5  | 150.2  | 149.8  | 150.0  | 151.5  |
| 57.5 | 139.3  | 137.6  | 136.9  | 136.0  | 135.2  | 134.9  | 135.5  | 135.2  | 135.6  | 136.3  |
| 60.0 | 120.3  | 123.4  | 122.4  | 121.2  | 121.1  | 120.4  | 121.3  | 120.7  | 121.3  | 121.6  |
| 62.5 | 109.8  | 109.1  | 107.3  | 106.5  | 106.8  | 105.8  | 107.1  | 105.9  | 107.0  | 107.0  |
| 65.0 | 94.68  | 93.91  | 92.49  | 91.63  | 92.11  | 90.74  | 92.17  | 90.99  | 92.50  | 92.15  |
| 67.5 | 79.75  | 78.45  | 78.36  | 76.65  | 76.76  | 75.84  | 77.26  | 76.01  | 77.11  | 77.23  |
| 70.0 | 65.02  | 63.66  | 63.11  | 62.17  | 61.61  | 61.31  | 62.49  | 61.50  | 62.03  | 62.74  |
| 72.5 | 50.94  | 49.46  | 48.41  | 48.40  | 47.25  | 47.26  | 48.23  | 47.43  | 47.71  | 49.02  |
| 75.0 | 37.46  | 36.01  | 34.81  | 34.43  | 33.69  | 34.23  | 34.60  | 34.39  | 34.13  | 35.04  |
| 77.5 | 24.92  | 23.89  | 22.67  | 21.53  | 21.20  | 21.79  | 22.23  | 22.14  | 22.23  | 22.20  |

H(B) Range:-90 - 90DEG  
 H(B) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Judy  
 Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80.0 | 13.64  | 13.20  | 12.60  | 10.95  | 9.899  | 10.05  | 11.73  | 11.53  | 11.83  | 12.12  |
| 82.5 | 6.763  | 5.812  | 4.781  | 3.930  | 3.102  | 2.764  | 4.130  | 3.930  | 4.198  | 4.683  |
| 85.0 | 0.5523 | 1.533  | 1.549  | 0.3529 | 0.3877 | 0.3035 | 0.2391 | 0.3292 | 0.4152 | 0.3096 |
| 87.5 | 0.4041 | 0.3147 | 0.2832 | 0.2684 | 0.2550 | 0.2521 | 0.1958 | 0.2203 | 0.2236 | 0.2218 |
| 90.0 | 0.2812 | 0.2528 | 0.2406 | 0.2324 | 0.2324 | 0.2324 | 0.1722 | 0.2610 | 0.2610 | 0.2569 |
| G/C  | 200.0  | 205.0  | 210.0  | 215.0  | 220.0  | 225.0  | 230.0  | 235.0  | 240.0  | 245.0  |
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 368.7  | 368.6  | 368.6  | 368.6  | 368.7  | 368.8  | 368.9  | 369.1  | 369.3  | 369.5  |
| 5.0  | 364.5  | 364.6  | 364.7  | 365.0  | 365.1  | 365.2  | 365.3  | 365.5  | 365.8  | 366.2  |
| 7.5  | 359.9  | 360.0  | 360.1  | 360.5  | 360.7  | 361.0  | 361.4  | 362.1  | 362.6  | 362.9  |
| 10.0 | 354.1  | 354.3  | 354.6  | 355.0  | 355.7  | 356.6  | 357.6  | 358.5  | 359.1  | 360.1  |
| 12.5 | 347.6  | 347.9  | 348.3  | 349.1  | 350.2  | 351.4  | 352.7  | 353.7  | 354.5  | 354.8  |
| 15.0 | 340.7  | 341.3  | 342.2  | 343.5  | 344.5  | 344.6  | 345.2  | 346.1  | 347.0  | 348.0  |
| 17.5 | 333.1  | 334.2  | 335.5  | 336.4  | 336.4  | 336.9  | 337.3  | 338.1  | 339.5  | 340.9  |
| 20.0 | 324.9  | 326.2  | 327.2  | 327.4  | 327.8  | 328.2  | 329.2  | 330.4  | 331.9  | 333.7  |
| 22.5 | 316.3  | 318.0  | 317.7  | 317.9  | 318.5  | 319.8  | 321.0  | 322.4  | 324.5  | 325.9  |
| 25.0 | 306.5  | 307.2  | 307.6  | 308.3  | 309.3  | 310.7  | 312.7  | 313.7  | 314.6  | 316.2  |
| 27.5 | 296.6  | 296.4  | 296.7  | 297.8  | 299.8  | 301.5  | 302.3  | 303.5  | 304.8  | 306.6  |
| 30.0 | 285.2  | 284.8  | 285.8  | 287.6  | 289.2  | 290.4  | 291.6  | 293.3  | 294.9  | 297.1  |
| 32.5 | 272.9  | 273.2  | 274.5  | 276.7  | 277.6  | 278.7  | 280.9  | 282.8  | 285.3  | 287.5  |
| 35.0 | 260.4  | 261.3  | 263.2  | 264.1  | 265.6  | 267.5  | 269.7  | 272.7  | 274.0  | 275.1  |
| 37.5 | 247.9  | 249.0  | 250.5  | 251.6  | 253.1  | 256.0  | 258.2  | 259.8  | 261.4  | 263.5  |
| 40.0 | 234.8  | 236.5  | 237.4  | 238.6  | 241.1  | 243.5  | 245.1  | 246.8  | 249.0  | 251.4  |
| 42.5 | 221.7  | 223.3  | 223.9  | 225.9  | 228.4  | 229.7  | 231.8  | 234.0  | 236.6  | 239.3  |
| 45.0 | 208.6  | 209.5  | 210.9  | 213.3  | 214.4  | 216.1  | 218.7  | 221.2  | 223.5  | 225.9  |
| 47.5 | 195.0  | 195.7  | 197.6  | 199.3  | 200.4  | 202.6  | 205.6  | 207.6  | 209.6  | 212.4  |
| 50.0 | 180.3  | 181.7  | 183.9  | 184.9  | 186.7  | 189.3  | 191.0  | 193.3  | 195.9  | 198.8  |
| 52.5 | 166.1  | 167.9  | 169.2  | 170.7  | 173.3  | 174.7  | 176.7  | 179.6  | 182.2  | 185.3  |
| 55.0 | 151.8  | 153.5  | 154.6  | 156.7  | 158.4  | 160.1  | 162.8  | 165.7  | 168.0  | 170.7  |
| 57.5 | 137.5  | 138.2  | 140.1  | 141.8  | 143.5  | 146.0  | 148.8  | 150.9  | 153.2  | 156.1  |
| 60.0 | 123.0  | 124.2  | 121.1  | 126.9  | 129.0  | 131.5  | 133.5  | 135.8  | 138.5  | 141.6  |
| 62.5 | 107.9  | 109.8  | 110.6  | 112.1  | 114.4  | 116.2  | 118.5  | 121.1  | 123.9  | 127.2  |
| 65.0 | 93.12  | 94.62  | 95.52  | 97.39  | 99.08  | 101.3  | 103.8  | 106.4  | 108.9  | 111.6  |
| 67.5 | 79.05  | 79.28  | 80.75  | 82.19  | 84.27  | 86.63  | 88.79  | 91.00  | 93.59  | 96.26  |
| 70.0 | 63.81  | 64.50  | 65.83  | 67.61  | 69.64  | 71.66  | 73.68  | 75.85  | 78.47  | 81.10  |
| 72.5 | 49.16  | 50.23  | 51.68  | 53.39  | 54.97  | 56.86  | 58.72  | 60.89  | 63.37  | 66.30  |
| 75.0 | 35.53  | 36.71  | 38.11  | 39.43  | 40.73  | 42.34  | 44.52  | 47.22  | 49.77  | 52.38  |
| 77.5 | 23.29  | 24.43  | 25.35  | 26.05  | 27.80  | 30.22  | 32.28  | 34.35  | 36.38  | 38.57  |
| 80.0 | 13.03  | 13.50  | 13.85  | 16.02  | 17.78  | 19.09  | 20.31  | 21.64  | 23.13  | 24.86  |
| 82.5 | 4.946  | 5.895  | 6.788  | 7.564  | 8.197  | 8.285  | 9.195  | 11.55  | 13.96  | 16.37  |
| 85.0 | 1.589  | 1.457  | 0.4009 | 1.661  | 3.356  | 4.653  | 6.131  | 7.708  | 9.330  | 10.94  |
| 87.5 | 0.2302 | 0.2440 | 0.3166 | 0.9068 | 1.777  | 2.424  | 3.158  | 3.949  | 4.762  | 5.567  |
| 90.0 | 0.2569 | 0.2569 | 0.2569 | 0.2528 | 0.2488 | 0.2447 | 0.2324 | 0.2324 | 0.2284 | 0.2202 |
| G/C  | 250.0  | 255.0  | 260.0  | 265.0  | 270.0  | 275.0  | 280.0  | 285.0  | 290.0  | 295.0  |
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 369.6  | 369.8  | 369.9  | 370.1  | 370.2  | 370.3  | 370.5  | 370.6  | 370.7  | 370.9  |
| 5.0  | 366.7  | 367.1  | 367.5  | 367.8  | 368.1  | 368.4  | 368.7  | 369.2  | 369.7  | 370.2  |
| 7.5  | 363.6  | 364.5  | 365.1  | 365.5  | 365.9  | 366.6  | 367.2  | 367.9  | 368.3  | 368.6  |
| 10.0 | 360.6  | 361.6  | 362.8  | 363.3  | 363.7  | 364.8  | 365.7  | 366.2  | 366.6  | 367.1  |
| 12.5 | 355.4  | 355.8  | 357.0  | 357.7  | 358.2  | 359.5  | 360.7  | 361.4  | 362.4  | 363.5  |
| 15.0 | 348.9  | 349.8  | 350.8  | 352.0  | 352.7  | 354.1  | 355.2  | 356.3  | 357.3  | 358.5  |
| 17.5 | 342.3  | 343.6  | 344.8  | 346.2  | 347.2  | 348.7  | 349.8  | 351.0  | 352.1  | 353.4  |
| 20.0 | 335.6  | 337.3  | 338.9  | 340.4  | 341.7  | 343.4  | 344.5  | 345.4  | 346.9  | 348.1  |
| 22.5 | 327.3  | 328.7  | 330.3  | 331.8  | 333.2  | 335.2  | 336.7  | 338.1  | 340.0  | 342.2  |
| 25.0 | 317.9  | 319.5  | 321.4  | 323.1  | 324.7  | 326.7  | 328.3  | 329.8  | 331.7  | 333.6  |
| 27.5 | 308.5  | 310.4  | 312.7  | 314.5  | 316.2  | 318.3  | 319.9  | 321.5  | 323.4  | 325.2  |
| 30.0 | 299.2  | 301.2  | 304.0  | 305.8  | 307.8  | 310.0  | 311.6  | 313.1  | 315.0  | 316.2  |
| 32.5 | 289.0  | 290.6  | 292.8  | 294.7  | 296.7  | 299.1  | 301.0  | 303.1  | 305.7  | 307.2  |
| 35.0 | 277.2  | 279.0  | 281.3  | 283.4  | 285.6  | 288.0  | 289.9  | 292.2  | 294.5  | 296.3  |
| 37.5 | 265.5  | 267.3  | 270.0  | 272.1  | 274.5  | 276.9  | 279.0  | 281.4  | 283.4  | 285.3  |
| 40.0 | 253.6  | 255.9  | 258.6  | 260.9  | 263.4  | 265.8  | 268.2  | 270.6  | 272.2  | 274.0  |
| 42.5 | 241.4  | 243.7  | 245.7  | 248.1  | 250.7  | 253.3  | 255.9  | 258.6  | 260.7  | 262.7  |
| 45.0 | 228.2  | 230.5  | 232.7  | 235.3  | 237.9  | 240.6  | 243.3  | 245.7  | 247.9  | 250.2  |
| 47.5 | 215.0  | 217.5  | 219.8  | 222.5  | 225.2  | 227.9  | 230.5  | 232.8  | 235.2  | 237.5  |
| 50.0 | 201.7  | 204.5  | 206.9  | 209.8  | 212.5  | 215.1  | 217.8  | 220.0  | 222.5  | 225.0  |
| 52.5 | 188.0  | 190.6  | 192.9  | 195.6  | 198.3  | 201.0  | 204.0  | 206.5  | 209.5  | 212.2  |
| 55.0 | 173.4  | 176.1  | 178.7  | 181.3  | 184.2  | 186.9  | 189.9  | 192.4  | 195.2  | 198.0  |
| 57.5 | 158.8  | 161.7  | 164.5  | 167.0  | 170.0  | 172.7  | 175.8  | 178.3  | 181.0  | 183.6  |
| 60.0 | 144.3  | 147.3  | 150.3  | 152.7  | 155.8  | 158.6  | 161.6  | 164.2  | 166.8  | 169.3  |
| 62.5 | 129.5  | 132.3  | 135.3  | 137.7  | 140.7  | 143.6  | 146.6  | 149.4  | 152.4  | 155.0  |
| 65.0 | 114.2  | 117.1  | 120.1  | 122.7  | 125.6  | 128.5  | 131.5  | 134.4  | 137.4  | 140.1  |
| 67.5 | 99.04  | 101.9  | 104.9  | 107.6  | 110.5  | 113.4  | 116.4  | 119.5  | 122.4  | 125.1  |
| 70.0 | 83.88  | 86.78  | 89.75  | 92.60  | 95.35  | 98.35  | 101.3  | 104.5  | 107.4  | 110.0  |

H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 72.5 | 69.25  | 72.15  | 75.07  | 77.87  | 80.57  | 83.51  | 86.50  | 89.59  | 92.41  | 94.99  |
| 75.0 | 55.05  | 57.75  | 60.47  | 63.16  | 65.80  | 68.68  | 71.65  | 74.69  | 77.38  | 79.96  |
| 77.5 | 40.92  | 43.39  | 45.90  | 48.46  | 51.02  | 53.85  | 56.78  | 59.75  | 62.38  | 64.93  |
| 80.0 | 26.87  | 29.06  | 31.35  | 33.77  | 36.24  | 39.02  | 41.88  | 44.78  | 47.38  | 49.93  |
| 82.5 | 18.76  | 21.07  | 23.23  | 25.29  | 27.23  | 29.26  | 31.27  | 33.25  | 35.00  | 36.74  |
| 85.0 | 12.54  | 14.10  | 15.53  | 16.92  | 18.21  | 19.58  | 20.92  | 22.24  | 23.40  | 24.56  |
| 87.5 | 6.365  | 7.145  | 7.861  | 8.553  | 9.198  | 9.878  | 10.54  | 11.20  | 11.78  | 12.36  |
| 90.0 | 0.2080 | 0.2080 | 0.1958 | 0.1917 | 0.1835 | 0.1753 | 0.1631 | 0.1591 | 0.1388 | 0.1387 |
| G/C  | 300.0  | 305.0  | 310.0  | 315.0  | 320.0  | 325.0  | 330.0  | 335.0  | 340.0  | 345.0  |
| 0.0  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  | 372.4  |
| 2.5  | 371.2  | 371.5  | 371.8  | 372.1  | 372.3  | 372.6  | 372.8  | 373.0  | 373.1  | 373.3  |
| 5.0  | 370.4  | 370.7  | 371.0  | 371.2  | 371.5  | 371.8  | 372.2  | 372.6  | 373.1  | 373.5  |
| 7.5  | 368.9  | 369.4  | 369.9  | 370.3  | 370.6  | 371.1  | 371.6  | 372.2  | 372.8  | 373.1  |
| 10.0 | 367.6  | 368.0  | 368.5  | 369.1  | 369.2  | 369.4  | 369.8  | 370.2  | 370.7  | 371.2  |
| 12.5 | 364.7  | 366.1  | 366.6  | 366.6  | 366.8  | 367.2  | 367.7  | 368.0  | 368.3  | 368.7  |
| 15.0 | 359.8  | 360.8  | 361.9  | 363.4  | 364.4  | 364.2  | 364.4  | 364.5  | 364.8  | 365.3  |
| 17.5 | 354.5  | 355.5  | 356.9  | 357.7  | 359.0  | 360.5  | 361.1  | 360.6  | 360.6  | 360.9  |
| 20.0 | 349.1  | 350.2  | 351.0  | 351.8  | 353.3  | 354.3  | 355.7  | 355.5  | 355.6  | 355.8  |
| 22.5 | 343.6  | 344.3  | 344.8  | 345.9  | 346.4  | 347.3  | 348.7  | 350.2  | 349.7  | 349.8  |
| 25.0 | 335.4  | 336.9  | 338.9  | 338.7  | 339.6  | 340.2  | 341.2  | 342.3  | 342.7  | 342.7  |
| 27.5 | 326.4  | 328.3  | 329.7  | 332.0  | 332.0  | 332.7  | 333.1  | 334.6  | 336.2  | 335.6  |
| 30.0 | 317.6  | 319.2  | 320.7  | 322.0  | 324.3  | 325.0  | 325.3  | 326.1  | 327.5  | 327.4  |
| 32.5 | 309.0  | 310.2  | 311.0  | 312.6  | 314.6  | 316.7  | 317.0  | 316.8  | 317.7  | 318.6  |
| 35.0 | 298.8  | 300.8  | 301.3  | 302.9  | 304.3  | 306.6  | 307.5  | 307.2  | 307.7  | 309.1  |
| 37.5 | 287.4  | 289.1  | 291.5  | 292.8  | 294.1  | 295.1  | 296.9  | 297.3  | 297.3  | 298.0  |
| 40.0 | 276.0  | 277.8  | 280.0  | 281.9  | 283.1  | 283.7  | 285.2  | 287.0  | 286.4  | 286.9  |
| 42.5 | 264.9  | 266.6  | 268.4  | 269.9  | 271.7  | 272.3  | 273.5  | 275.2  | 275.3  | 275.3  |
| 45.0 | 253.1  | 255.4  | 256.5  | 257.7  | 258.8  | 260.9  | 261.4  | 262.9  | 263.7  | 263.2  |
| 47.5 | 240.1  | 242.6  | 244.5  | 245.2  | 246.3  | 248.0  | 249.3  | 249.7  | 251.3  | 250.7  |
| 50.0 | 227.2  | 229.4  | 231.0  | 232.8  | 233.8  | 234.8  | 236.4  | 236.8  | 237.9  | 237.6  |
| 52.5 | 214.1  | 216.2  | 217.6  | 219.3  | 221.0  | 221.7  | 222.7  | 224.3  | 223.9  | 224.7  |
| 55.0 | 200.5  | 203.0  | 204.2  | 205.6  | 207.2  | 208.6  | 209.2  | 210.2  | 210.6  | 211.6  |
| 57.5 | 186.2  | 188.6  | 190.9  | 192.2  | 193.5  | 194.7  | 195.6  | 196.3  | 197.2  | 197.6  |
| 60.0 | 171.8  | 174.0  | 176.1  | 178.5  | 179.6  | 180.7  | 181.8  | 182.3  | 183.5  | 183.5  |
| 62.5 | 157.5  | 159.5  | 161.4  | 163.6  | 165.5  | 166.6  | 167.5  | 168.4  | 168.9  | 169.4  |
| 65.0 | 142.6  | 145.0  | 147.0  | 148.9  | 150.5  | 152.5  | 153.3  | 154.1  | 154.6  | 155.1  |
| 67.5 | 127.6  | 129.8  | 132.2  | 134.2  | 135.6  | 137.2  | 139.1  | 139.4  | 140.3  | 140.7  |
| 70.0 | 112.5  | 114.8  | 117.0  | 118.9  | 120.9  | 122.2  | 123.7  | 125.2  | 125.6  | 125.4  |
| 72.5 | 97.50  | 99.78  | 101.9  | 103.8  | 105.6  | 107.3  | 108.5  | 109.9  | 110.7  | 110.6  |
| 75.0 | 82.42  | 84.74  | 86.97  | 88.89  | 90.56  | 92.01  | 93.44  | 94.50  | 95.77  | 95.70  |
| 77.5 | 67.33  | 69.66  | 71.82  | 73.81  | 75.61  | 77.06  | 78.22  | 79.25  | 80.06  | 81.06  |
| 80.0 | 52.27  | 54.58  | 56.75  | 58.74  | 60.49  | 62.02  | 63.31  | 64.18  | 64.78  | 65.38  |
| 82.5 | 38.34  | 40.05  | 41.80  | 43.75  | 45.51  | 47.03  | 48.33  | 49.40  | 50.08  | 50.06  |
| 85.0 | 25.63  | 26.77  | 27.93  | 29.18  | 30.47  | 31.87  | 33.49  | 34.70  | 33.41  | 31.81  |
| 87.5 | 12.90  | 13.45  | 14.03  | 14.65  | 15.30  | 16.00  | 16.80  | 17.88  | 16.39  | 14.98  |
| 90.0 | 0.1387 | 0.1264 | 0.1224 | 0.1183 | 0.1142 | 0.1101 | 0.1060 | 0.1020 | 0.0979 | 0.0938 |
| G/C  | 350.0  | 355.0  |        |        |        |        |        |        |        |        |
| 0.0  | 372.4  | 372.4  |        |        |        |        |        |        |        |        |
| 2.5  | 373.5  | 373.7  |        |        |        |        |        |        |        |        |
| 5.0  | 373.8  | 374.2  |        |        |        |        |        |        |        |        |
| 7.5  | 373.5  | 373.9  |        |        |        |        |        |        |        |        |
| 10.0 | 371.8  | 372.5  |        |        |        |        |        |        |        |        |
| 12.5 | 369.4  | 370.1  |        |        |        |        |        |        |        |        |
| 15.0 | 365.9  | 366.6  |        |        |        |        |        |        |        |        |
| 17.5 | 361.4  | 362.3  |        |        |        |        |        |        |        |        |
| 20.0 | 356.2  | 357.0  |        |        |        |        |        |        |        |        |
| 22.5 | 350.2  | 351.1  |        |        |        |        |        |        |        |        |
| 25.0 | 343.3  | 344.2  |        |        |        |        |        |        |        |        |
| 27.5 | 335.8  | 336.5  |        |        |        |        |        |        |        |        |
| 30.0 | 327.4  | 328.0  |        |        |        |        |        |        |        |        |
| 32.5 | 318.4  | 318.9  |        |        |        |        |        |        |        |        |
| 35.0 | 308.5  | 308.9  |        |        |        |        |        |        |        |        |
| 37.5 | 298.0  | 298.3  |        |        |        |        |        |        |        |        |
| 40.0 | 287.2  | 287.3  |        |        |        |        |        |        |        |        |
| 42.5 | 276.0  | 276.0  |        |        |        |        |        |        |        |        |
| 45.0 | 263.9  | 263.6  |        |        |        |        |        |        |        |        |
| 47.5 | 251.4  | 250.9  |        |        |        |        |        |        |        |        |
| 50.0 | 238.3  | 238.0  |        |        |        |        |        |        |        |        |
| 52.5 | 224.9  | 224.8  |        |        |        |        |        |        |        |        |
| 55.0 | 211.4  | 211.5  |        |        |        |        |        |        |        |        |
| 57.5 | 197.6  | 198.0  |        |        |        |        |        |        |        |        |
| 60.0 | 183.8  | 184.2  |        |        |        |        |        |        |        |        |
| 62.5 | 170.0  | 170.2  |        |        |        |        |        |        |        |        |

H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

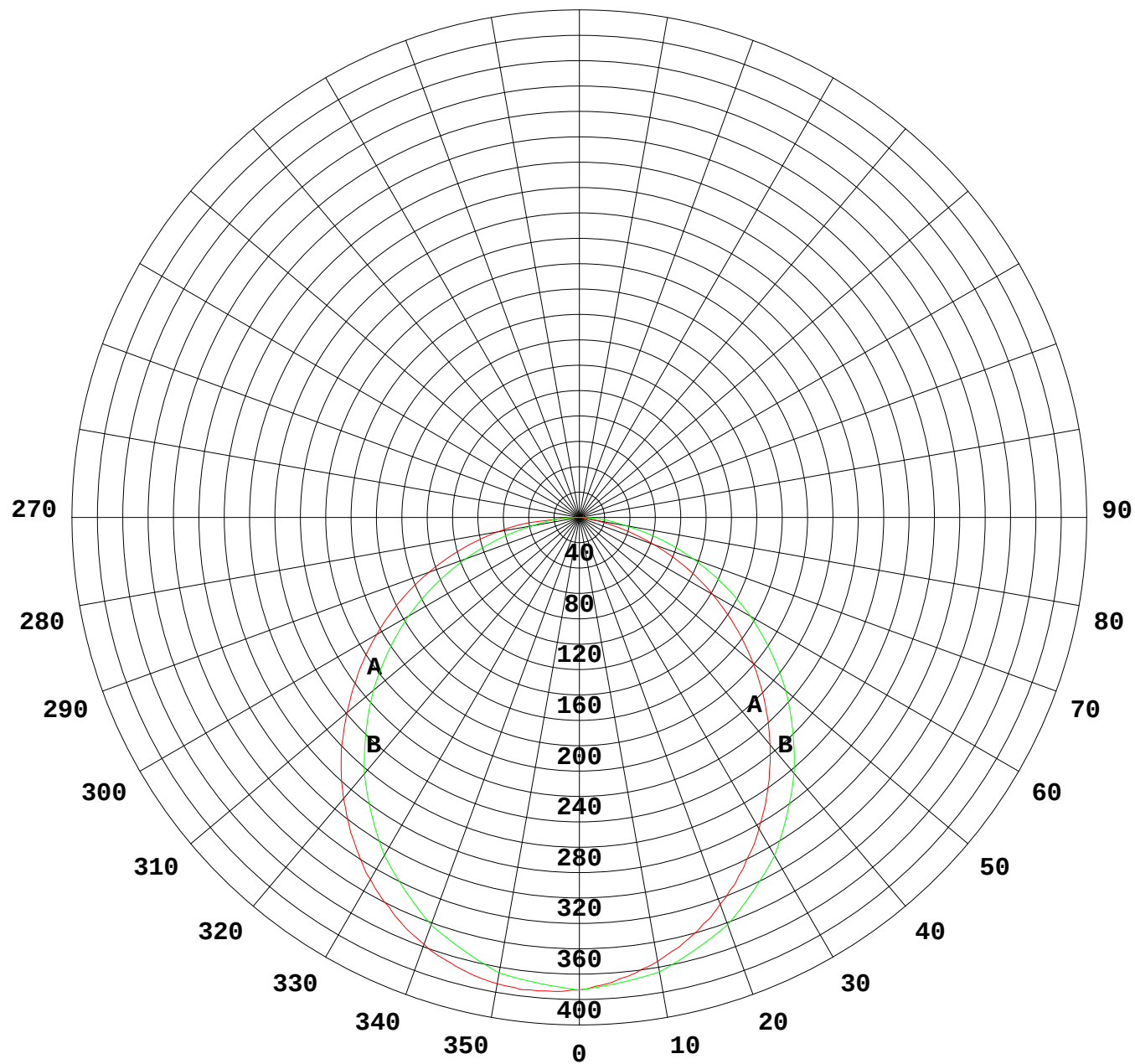
**Photometric Data Table [cd]**

|      |        |        |
|------|--------|--------|
| 65.0 | 155.8  | 155.8  |
| 67.5 | 140.5  | 140.8  |
| 70.0 | 125.5  | 123.8  |
| 72.5 | 112.0  | 111.2  |
| 75.0 | 96.32  | 95.86  |
| 77.5 | 80.71  | 80.64  |
| 80.0 | 65.62  | 65.69  |
| 82.5 | 50.86  | 50.80  |
| 85.0 | 30.39  | 31.30  |
| 87.5 | 13.40  | 16.11  |
| 90.0 | 0.0897 | 0.0897 |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Judy  
Test Date:2026-07-27

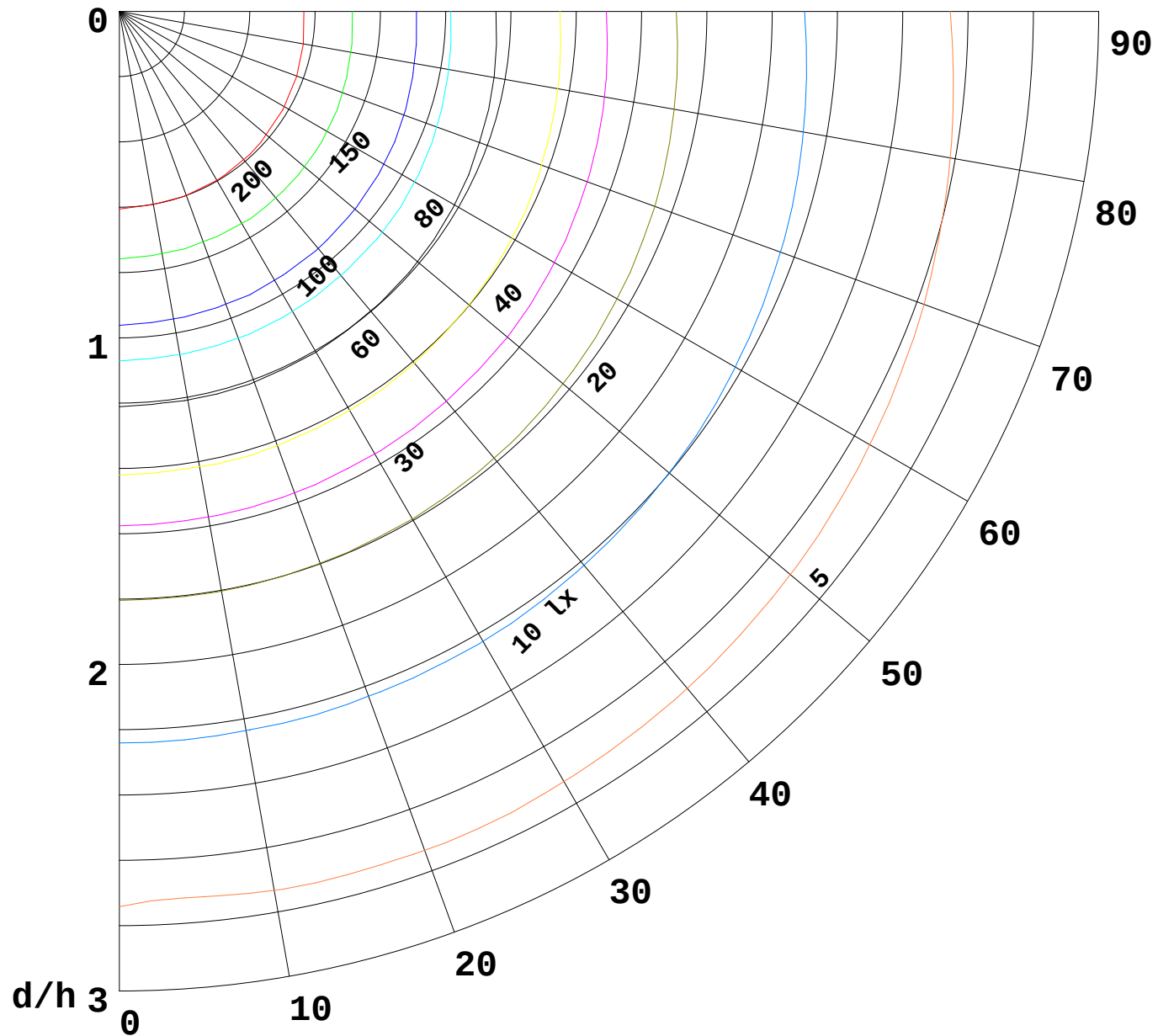
V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

**I(cd)**



1000  $l_m$

$K = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

|       | Pcc | Pw | Pfc |
|-------|-----|----|-----|
| ————— | 70  | 50 | 30  |
| ————— | 50  | 30 | 20  |

