

TEST REPORT

Report reference No.....	GEN2026107.01								
Product.....	LED Grille Light								
Family Name.....	U23								
Trademark.....									
Manufacturer.....	KOE Lighting Ltd.								
Address.....	25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China								
Testing Laboratory.....	KOE Lab								
Model list: U23GR-TA12S1 SBK 3000K[CRI90] W24D (LP400-15-48V U23)									
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	12W	12	960	950	F	3740	50000	3000K	24
Power supply	LP400-15-48V U23								
Light model	SMD LED PH-XYD-2835-3C4B-V3.0 9V 1W,3000K(W) 12PCS, 229.5x15.2x1.0<CRI90>, 1220LM								

Light Output Ratio:	79%	
Luminaire Power:	11.76W	
SUR.:	0.0024 m²	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

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

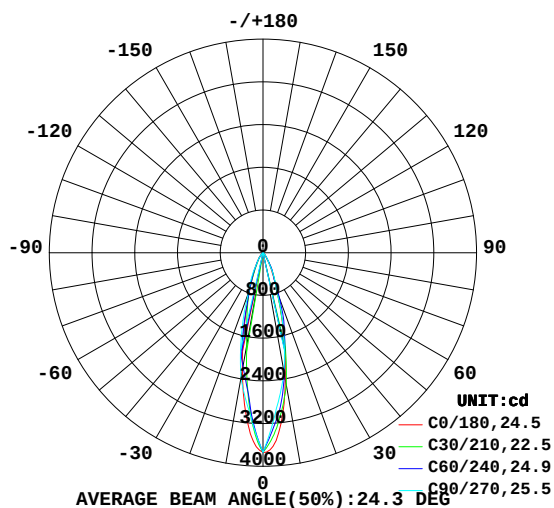
V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

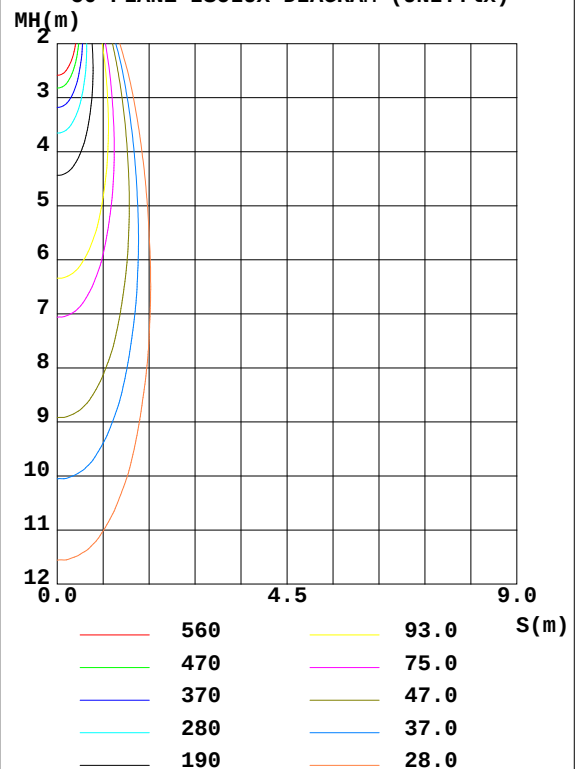
Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026107.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.63 lm/W			
MODEL PH-XYD-2835-3C4B-V3.0		I _{max} (cd)	3739	S/MH(C0/180)	0.40
NOMINAL POWER(W)	10.5	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	27	TOTAL FLUX(lm)	971.71	η UP, DN(C0-180)	0.0, 49.4
NOMINAL FLUX(lm)	80.9757	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.6
LAMPS INSIDE	12	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	48	η down(%)	100.0	CIBSE SHR MAX	1.00

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	3384	3159	2921	2801	3231	2840	2977	3192	0- 5	78.94	78.94	8.12, 8.12
10	2407	2380	2265	1892	2231	1959	2374	2404	5- 10	184.9	263.8	27.1, 27.1
15	1442	1439	1461	1286	1318	1353	1540	1451	10- 15	210.0	473.8	48.8, 48.8
20	779.4	933.6	732.8	638.8	718.1	681.7	776.7	938.0	15- 20	173.2	647.0	66.6, 66.6
25	418.1	465.6	466.9	367.1	416.5	400.4	496.6	464.9	20- 25	121.1	768.1	79, 79
30	219.3	244.8	220.4	219.9	251.2	238.6	231.4	243.0	25- 30	82.82	850.9	87.6, 87.6
35	115.3	145.0	141.3	123.7	156.2	132.0	149.4	141.4	30- 35	52.88	903.8	93, 93
40	65.45	65.51	64.18	75.25	96.88	83.65	67.28	62.34	35- 40	33.97	937.7	96.5, 96.5
45	31.72	38.24	35.91	29.55	45.83	36.32	39.06	37.98	40- 45	19.50	957.2	98.5, 98.5
50	10.19	9.282	8.025	9.059	13.13	13.03	11.19	11.00	45- 50	9.184	966.4	99.5, 99.5
55	3.631	5.125	4.720	3.067	3.832	3.927	6.379	6.154	50- 55	3.226	969.6	99.8, 99.8
60	1.702	1.433	1.513	1.136	1.601	1.325	1.741	1.726	55- 60	1.293	970.9	99.9, 99.9
65	0.8424	0.7255	0.7544	0.4323	0.7806	0.5263	0.9562	0.9135	60- 65	0.5495	971.5	100, 100
70	0.0565	0.1818	0	0.0832	0.0664	0.1394	0.1793	0.2903	65- 70	0.2078	971.7	100, 100
75	0.0041	0.0182	0	0.0033	0.0204	0.0173	0.0856	0.0363	70- 75	0.0260	971.7	100, 100
80	0.0041	0	0	0	0.0163	0.0049	0	0.0033	75- 80	0.0034	971.7	100, 100
85	0.0041	0.0024	0.0123	0	0.0163	0	0	0.0012	80- 85	0.0009	971.7	100, 100
90	0.0041	0.0082	0.0164	0	0	0	0	0.0041	85- 90	0.0016	971.7	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): 957.22 lm

%lum = 98.5%

%lamp = 98.5%

Conical surface Flux(120deg): 970.92 lm

%lum = 99.9%

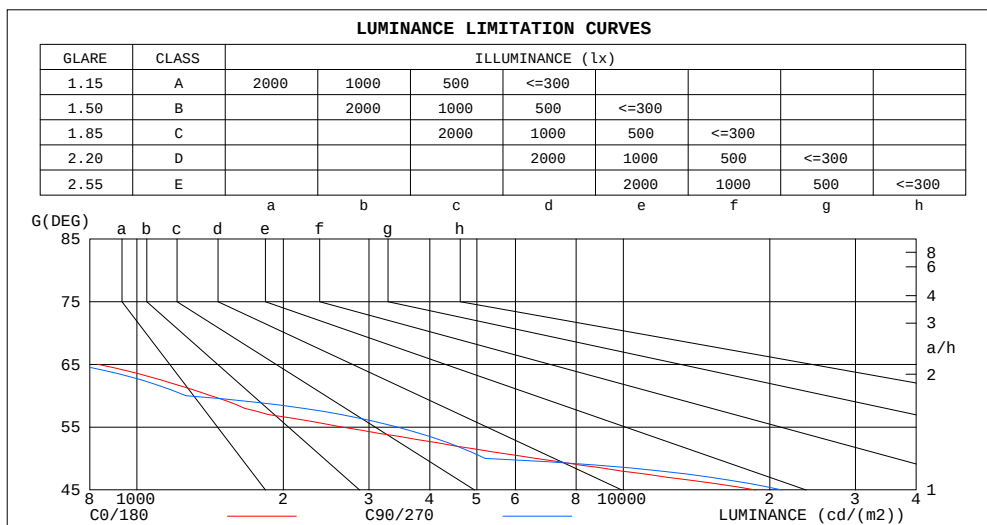
%lamp = 99.9%

$H(\beta)$ 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:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	19	59
80	10	0
75	7	0
70	69	0
65	831	744
60	1419	1261
55	2638	3429
50	6605	5202
45	18693	21158

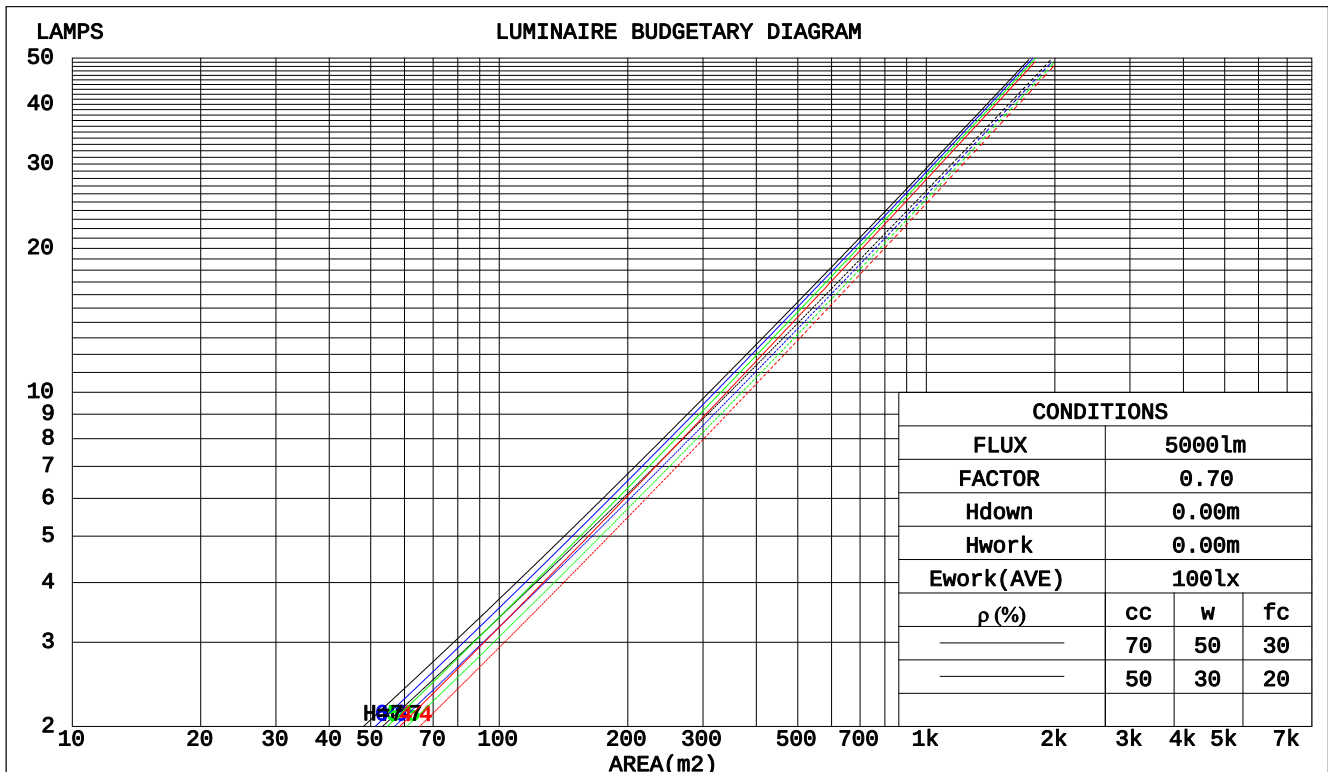
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.01	.99	.97	.98	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.91	.95	.92	.90	.93	.90	.89	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.83	.89	.86	.83	.88	.84	.82	.86	.84	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.80	.78	.77
7.0	.84	.80	.76	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.77	.75	.74
8.0	.81	.76	.73	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.71
9.0	.78	.73	.70	.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.70	.69
10.0	.75	.71	.68	.75	.71	.68	.74	.70	.68	.74	.70	.67	.73	.70	.67	.66



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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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:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm								
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SPEC.:12W				DIM.: L235*W23*H27mm			SERIAL No.:GEN2026074.01	
MFR.: KOE Lighting Ltd.				SUR.:D16X12			Shielding Angle:...	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.149	.085	.027	.143	.081	.026	.130	.075	.024	.119	.069	.022	.108	.063	.020	
2.0	.140	.077	.024	.135	.074	.023	.125	.069	.022	.115	.065	.020	.106	.060	.019	
3.0	.132	.070	.021	.128	.068	.021	.119	.064	.020	.111	.061	.019	.103	.057	.018	
4.0	.125	.065	.019	.121	.063	.019	.113	.060	.018	.107	.057	.017	.100	.054	.017	
5.0	.118	.060	.017	.115	.059	.017	.109	.057	.017	.103	.054	.016	.097	.052	.016	
6.0	.112	.056	.016	.109	.055	.016	.104	.053	.016	.099	.051	.015	.094	.049	.015	
7.0	.107	.053	.015	.105	.052	.015	.100	.050	.015	.095	.049	.014	.091	.047	.014	
8.0	.102	.050	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	.088	.045	.013	
9.0	.098	.047	.013	.096	.047	.013	.092	.046	.013	.089	.044	.013	.085	.043	.013	
10.0	.094	.045	.013	.092	.045	.012	.089	.043	.012	.086	.043	.012	.083	.042	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.017	.015	.013	
3.0	.138	.113	.094	.118	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.075	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.095	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.019	.011	.010	.006	.004	

$H(\beta)$ 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:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	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	15.8	16.5	16.0	16.7	16.9	15.7	16.5	15.9	16.6	16.8
3H	15.6	16.3	15.9	16.5	16.7	15.6	16.2	15.8	16.4	16.6
4H	15.6	16.2	15.8	16.4	16.6	15.5	16.1	15.7	16.3	16.5
6H	15.5	16.1	15.8	16.3	16.6	15.4	16.0	15.7	16.2	16.5
8H	15.4	16.0	15.7	16.3	16.5	15.3	15.9	15.6	16.2	16.4
12H	15.4	16.0	15.7	16.2	16.5	15.3	15.9	15.6	16.1	16.4
4H 2H	15.6	16.2	15.8	16.4	16.6	15.5	16.1	15.7	16.3	16.6
3H	15.4	16.0	15.7	16.2	16.5	15.3	15.9	15.6	16.1	16.4
4H	15.3	15.8	15.6	16.1	16.4	15.2	15.7	15.5	16.0	16.3
6H	15.2	15.7	15.6	16.0	16.3	15.1	15.6	15.5	15.9	16.2
8H	15.1	15.6	15.5	15.9	16.3	15.1	15.5	15.4	15.8	16.2
12H	15.1	15.5	15.5	15.9	16.2	15.0	15.4	15.4	15.8	16.1
8H 4H	15.1	15.6	15.5	15.9	16.3	15.1	15.5	15.4	15.8	16.2
6H	15.0	15.4	15.5	15.8	16.2	14.9	15.3	15.4	15.7	16.1
8H	15.0	15.3	15.4	15.7	16.1	14.9	15.2	15.3	15.6	16.0
12H	14.9	15.2	15.4	15.6	16.1	14.8	15.1	15.3	15.5	16.0
12H 4H	15.1	15.5	15.5	15.9	16.2	15.0	15.4	15.4	15.8	16.1
6H	15.0	15.3	15.4	15.7	16.1	14.9	15.2	15.3	15.6	16.0
8H	14.9	15.2	15.4	15.6	16.1	14.8	15.1	15.3	15.5	16.0
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / -14.9					+ 2.9 / -14.0				
1.5H	+ 4.5 / -10.8					+ 4.9 / -13.1				
2.0H	+ 7.0 / -11.6					+ 6.8 / -15.2				

CIE Pub.117, 971.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)

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Temperature:25.3DEG
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V(B) Range:-90 - 90DEG
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Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
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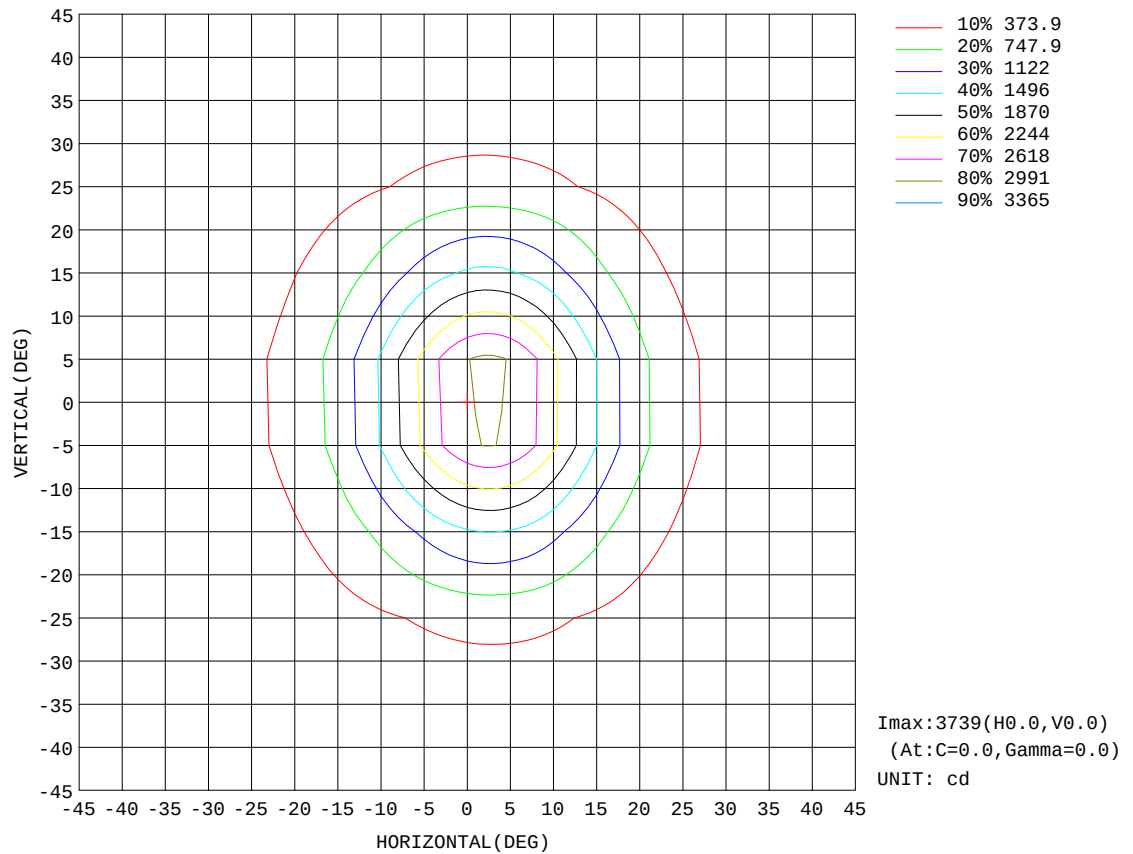
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	103	108	104	102	105	102	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

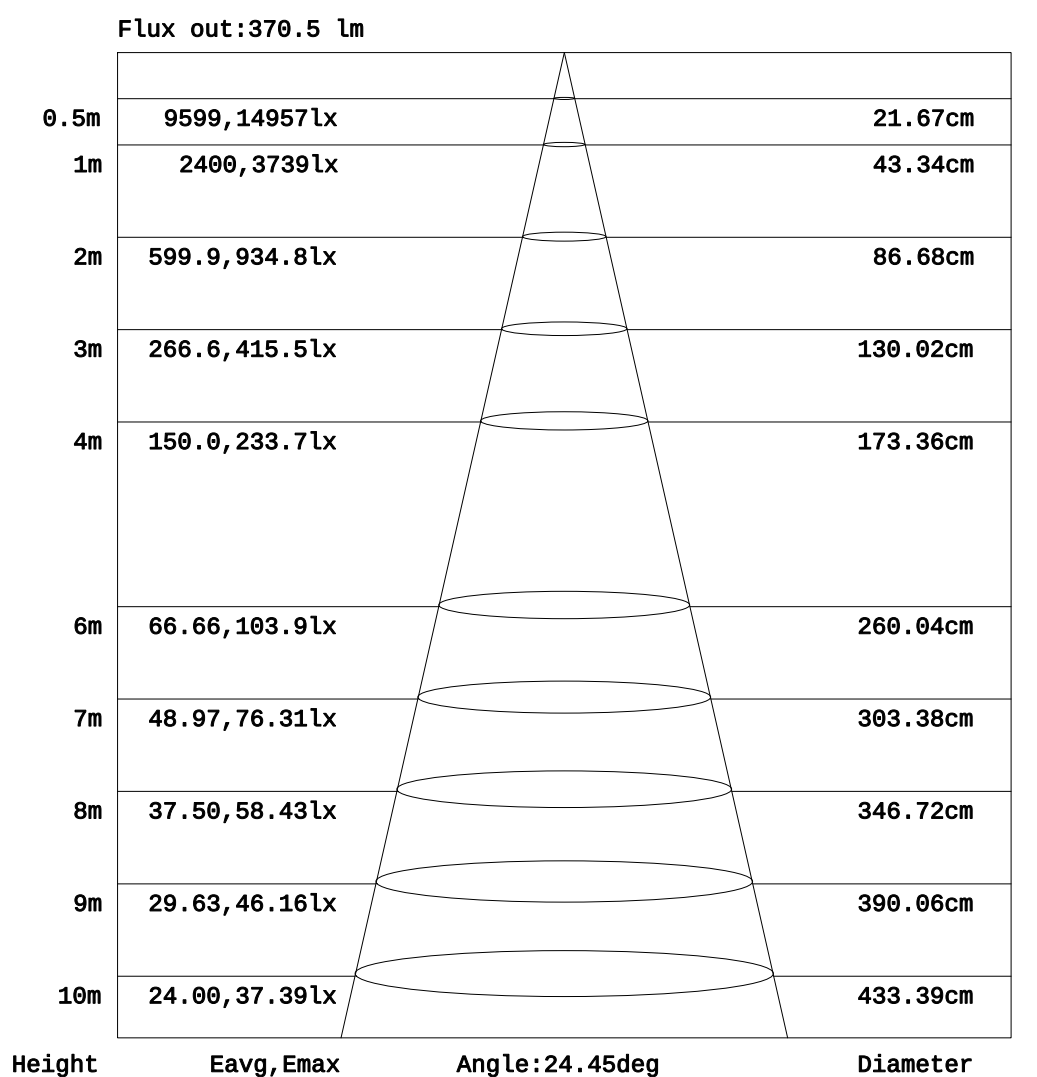


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-27

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:

AAI Figure

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...



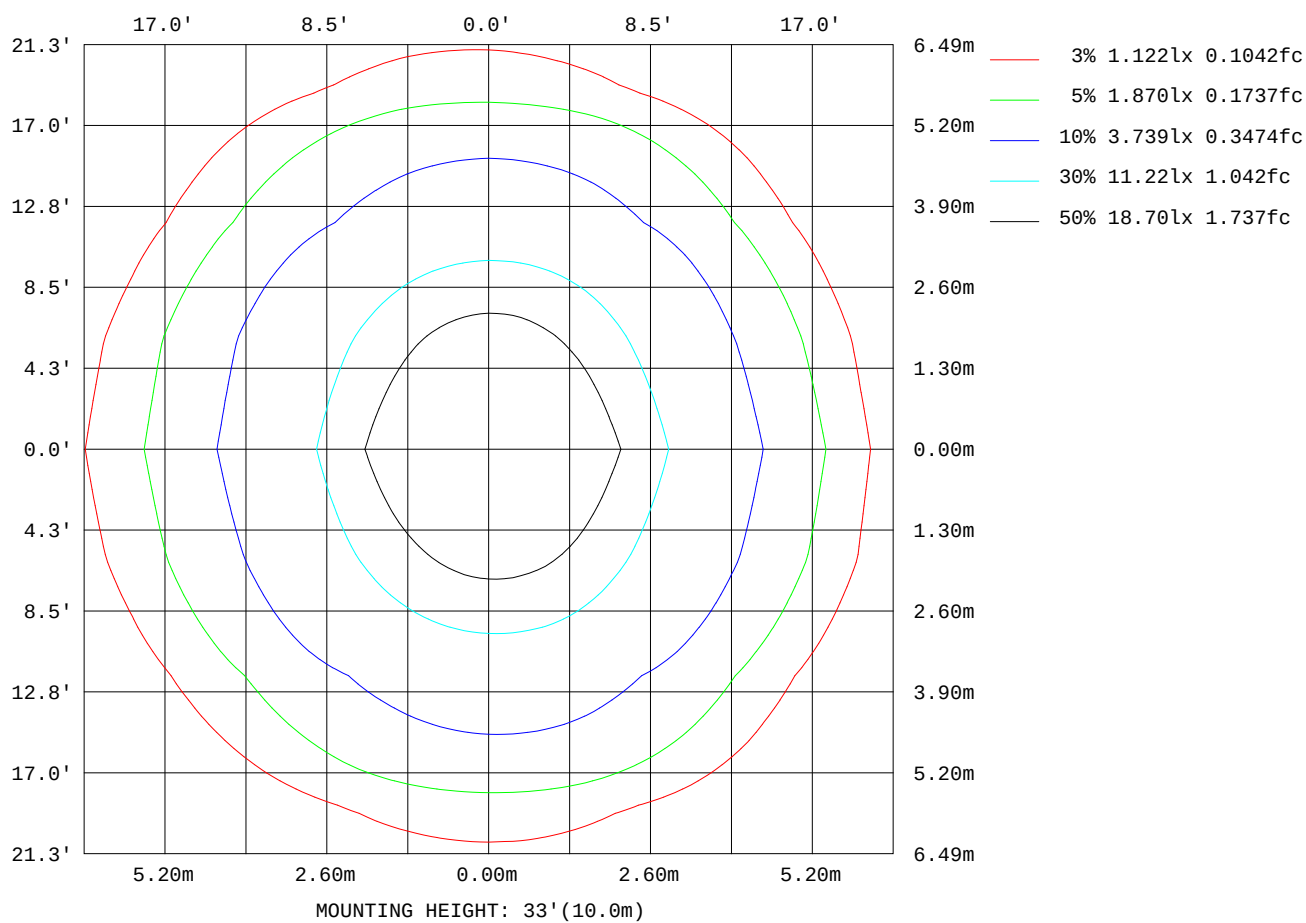
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	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(β) Range: -90 - 90DEG
V(β) 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:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

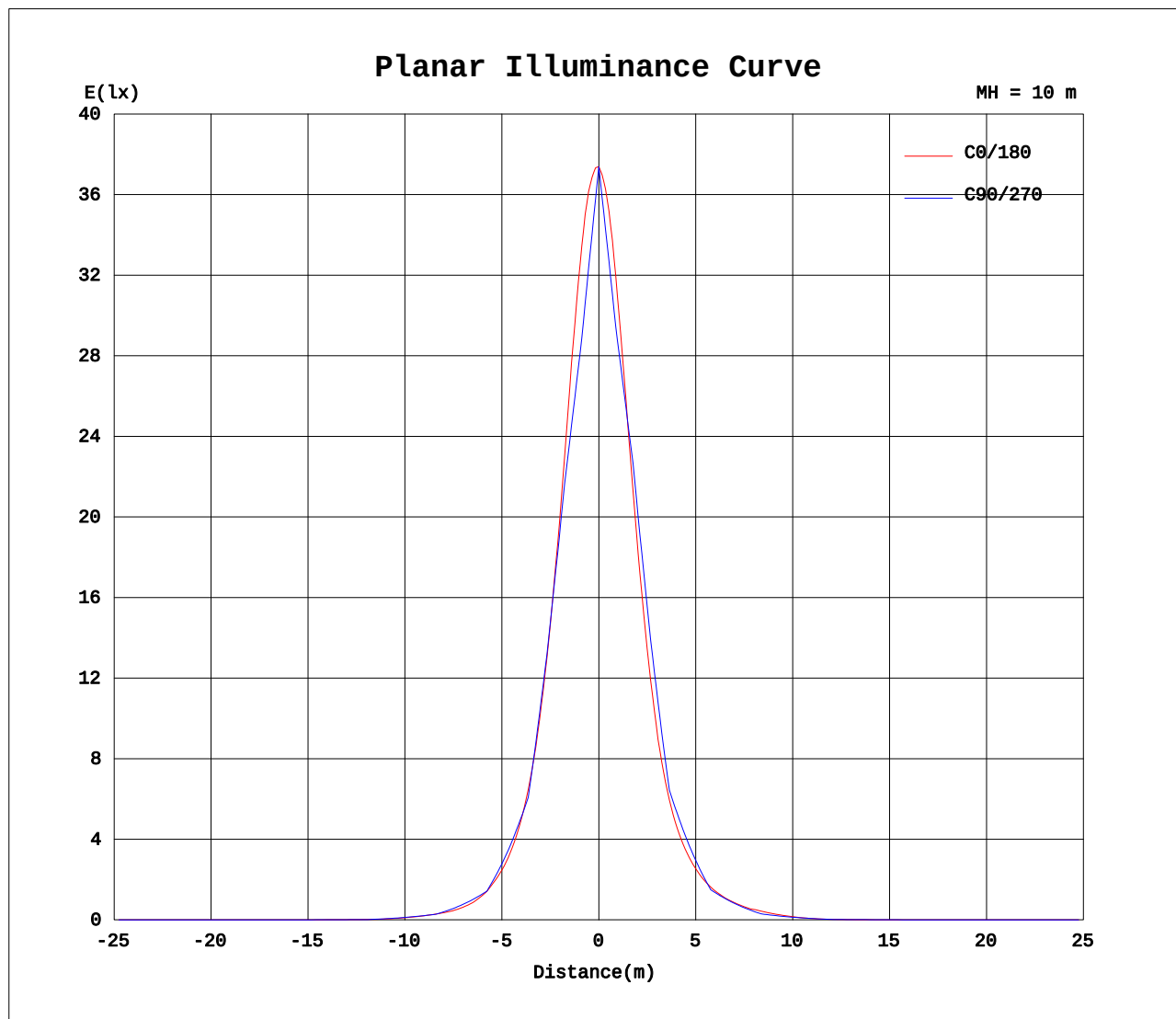
AvgL	cd/m2
L_0~180(65)av	800
L_0~180(75)av	20
L_0~180(85)av	49
L_90~270(65)av	843
L_90~270(75)av	69
L_90~270(85)av	29
L_45(65)av	640
L_45(75)av	30
L_45(85)av	4

Standard: GB/T 29293-2012

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:

Planar Illuminance Curve



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:

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Gille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

UNIT: cd

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:

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:

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Gille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

UNIT: cd

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:

Test:U:48.00V I:0.2450A P:11.76W PF:1.000 Freq:0Hz Lamp Flux:80.9757x12 lm		
NAME: LED Gille Light	TYPE:fixed	WEIGHT:146g
SPEC.:12W	DIM.: L235*W23*H27mm	SERIAL No.:GEN2026074.01
MFR.: KOE Lighting Ltd.	SUR.:D16X12	Shielding Angle:...

UNIT: cd

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:

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	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3662	3634	3607	3581	3557	3534	3513	3493	3473	3453
5.0	3384	3346	3313	3284	3259	3237	3218	3201	3181	3159
7.5	2941	2911	2891	2879	2875	2874	2876	2880	2877	2845
10.0	2407	2399	2406	2424	2450	2483	2513	2460	2415	2380
12.5	1897	1906	1931	1972	2027	2046	1988	1942	1901	1869
15.0	1442	1467	1510	1569	1614	1549	1494	1449	1409	1439
17.5	1068	1102	1153	1221	1188	1129	1077	1048	1104	1159
20.0	779.4	816.4	870.1	910.5	855.2	803.1	771.1	819.9	876.4	933.6
22.5	571.9	607.0	655.2	654.4	608.2	563.2	599.2	646.3	699.7	687.7
25.0	418.1	450.8	495.9	469.2	431.2	431.9	468.7	512.9	492.9	465.6
27.5	309.4	337.2	369.6	336.5	306.4	333.1	367.8	358.2	332.6	304.2
30.0	219.3	249.1	268.6	240.4	234.3	259.0	265.3	242.0	220.2	244.8
32.5	158.2	182.5	189.9	169.1	179.2	201.6	182.3	158.6	176.5	197.2
35.0	115.3	134.4	133.5	115.8	137.5	140.3	121.6	126.0	142.1	145.0
37.5	85.74	101.8	98.74	93.45	106.8	96.97	88.93	101.0	105.4	97.49
40.0	65.45	78.29	72.97	74.10	78.66	66.57	71.01	77.19	71.08	65.51
42.5	47.89	60.04	51.91	56.73	53.76	48.63	55.97	51.23	46.36	51.22
45.0	31.72	43.66	32.82	41.22	32.39	35.60	37.27	29.66	34.91	38.24
47.5	18.03	27.11	20.32	26.24	18.37	25.55	20.79	20.68	25.70	22.27
50.0	10.19	15.02	12.44	14.06	12.23	14.12	10.77	14.86	14.19	9.282
52.5	6.058	8.224	7.696	6.984	8.245	6.983	7.534	8.729	5.575	7.028
55.0	3.631	4.689	4.912	3.597	4.947	3.797	5.100	3.803	4.153	5.125
57.5	2.277	2.786	3.199	2.589	2.714	2.810	2.728	2.393	3.112	2.865
60.0	1.702	1.863	1.999	2.000	1.700	1.961	1.557	1.897	1.825	1.433
62.5	1.244	1.333	1.335	1.452	1.368	1.203	1.262	1.234	1.058	1.098
65.0	0.8424	0.9297	0.9150	0.9137	0.9764	0.8452	0.8736	0.7550	0.7696	0.7255
67.5	0.4385	0.5938	0.6058	0.5610	0.4399	0.5784	0.4555	0.4862	0.3974	0.2982
70.0	0.0565	0.2764	0.3184	0.3010	0.2154	0.1374	0.2806	0.1885	0.0455	0.1818
72.5	0.0041	0.0488	0.0358	0.0194	0.0753	0.0462	0.0956	0	0.0405	0.1092
75.0	0.0041	0.0055	0.0125	0.0033	0.0122	0.0104	0	0	0.0149	0.0182
77.5	0.0041	0.0012	0.0031	0.0077	0.0048	0	0	0	0	0
80.0	0.0041	0.0051	0.0037	0.0035	0	0	0	0	0	0
82.5	0.0041	0.0053	0.0058	0	0	0	0	0	0	0
85.0	0.0041	0.0040	0.0089	0.0068	0	0	0.0001	0.0011	0.0018	0.0024
87.5	0.0041	0.0055	0.0089	0.0063	0.0022	0.0033	0.0041	0.0046	0.0050	0.0053
90.0	0.0041	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3434	3417	3402	3389	3373	3359	3346	3337	3330	3318
5.0	3138	3116	3090	3066	3036	3007	2978	2947	2921	2888
7.5	2805	2769	2738	2710	2685	2665	2639	2615	2593	2563
10.0	2349	2327	2312	2297	2285	2280	2279	2273	2265	2252
12.5	1850	1859	1886	1904	1911	1908	1901	1884	1863	1838
15.0	1487	1528	1560	1575	1573	1560	1532	1498	1461	1417
17.5	1209	1254	1267	1244	1214	1182	1152	1123	1097	1069
20.0	951.4	931.1	904.5	872.1	834.6	797.3	765.3	743.7	732.8	728.0
22.5	662.1	625.8	578.2	580.5	599.7	610.2	611.9	608.3	599.9	587.1
25.0	426.9	433.3	458.0	478.6	492.4	495.7	490.7	481.0	466.9	452.1
27.5	329.7	354.3	374.2	385.1	380.6	372.1	361.8	352.5	343.7	335.7
30.0	267.5	283.3	278.7	269.8	258.0	244.0	231.5	223.5	220.4	222.1
32.5	203.4	196.3	183.0	164.3	172.1	177.7	180.8	181.7	180.9	179.1
35.0	137.1	121.5	127.9	135.7	141.3	144.4	145.1	143.5	141.3	138.8
37.5	89.20	96.51	104.0	109.5	109.8	108.5	106.4	104.2	102.7	101.8
40.0	71.47	77.41	78.97	77.05	73.93	70.52	67.25	64.85	64.18	65.08
42.5	55.62	53.63	50.75	45.86	46.29	48.59	49.80	50.09	50.04	49.72
45.0	34.75	30.13	31.04	34.08	35.84	36.96	37.03	36.53	35.91	35.31
47.5	16.43	19.93	23.67	25.49	25.30	24.57	23.52	22.57	21.97	21.77
50.0	12.03	14.92	16.38	15.45	13.67	11.69	9.896	8.597	8.025	8.317
52.5	8.943	9.172	8.228	5.733	5.457	5.938	6.317	6.446	6.372	6.152
55.0	4.971	3.762	3.440	3.928	4.324	4.641	4.844	4.831	4.720	4.493
57.5	1.993	2.311	2.694	3.017	3.144	3.216	3.244	3.185	3.116	3.018
60.0	1.562	1.779	1.876	1.880	1.814	1.726	1.626	1.537	1.513	1.564
62.5	1.131	1.094	0.9826	0.8293	0.9257	1.024	1.092	1.123	1.134	1.135
65.0	0.6232	0.5187	0.5570	0.6151	0.6714	0.7272	0.7572	0.7583	0.7544	0.7447
67.5	0.3377	0.3673	0.3836	0.4038	0.4057	0.4088	0.3999	0.3844	0.3772	0.3764
70.0	0.2269	0.2192	0.1912	0.1629	0.1241	0.0818	0.0402	0.0105	0	0.0103
72.5	0.0977	0.0569	0.0004	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0.0002	0.0007	0.0011	0.0014	0.0025	0.0027	0.0039	0.0040	0.0061	0.0005
85.0	0.0028	0.0032	0.0035	0.0037	0.0057	0.0059	0.0080	0.0081	0.0123	0.0004

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	0.0055	0.0057	0.0058	0.0059	0.0090	0.0091	0.0122	0.0122	0.0143	0.0304
90.0	0.0082	0.0082	0.0082	0.0082	0.0122	0.0122	0.0163	0.0163	0.0164	0.0610
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3310	3305	3303	3304	3306	3312	3321	3335	3352	3371
5.0	2861	2837	2818	2804	2792	2788	2791	2801	2820	2846
7.5	2533	2502	2460	2419	2376	2332	2288	2246	2227	2255
10.0	2234	2203	2165	2121	2068	2011	1952	1892	1833	1777
12.5	1813	1785	1763	1741	1725	1714	1673	1599	1524	1453
15.0	1380	1348	1323	1305	1294	1288	1286	1286	1272	1189
17.5	1041	1013	983.9	951.9	916.6	909.4	917.5	929.8	941.3	955.5
20.0	727.1	726.6	722.9	712.4	696.8	672.1	643.9	638.8	661.8	681.6
22.5	572.5	557.1	542.0	528.1	520.1	511.1	493.2	470.5	448.8	477.9
25.0	437.9	425.7	415.9	407.0	398.2	390.1	382.1	367.1	349.2	333.0
27.5	328.3	320.1	310.8	296.9	292.3	292.0	291.3	290.3	279.0	265.2
30.0	226.5	230.5	231.4	227.1	220.1	211.6	214.6	219.9	224.4	215.0
32.5	176.9	174.6	171.0	166.1	167.5	165.6	161.2	161.7	169.3	175.7
35.0	136.5	134.5	131.9	129.1	127.7	127.4	127.3	123.7	123.4	132.1
37.5	101.0	99.83	97.07	94.53	95.11	96.43	99.05	98.19	93.67	96.21
40.0	66.84	69.09	70.17	69.75	67.94	67.45	71.45	75.25	72.99	68.32
42.5	49.17	48.91	48.19	47.29	47.41	46.41	46.16	50.72	53.14	49.72
45.0	34.98	34.95	34.61	33.39	30.75	28.49	29.87	29.55	32.97	33.67
47.5	21.92	22.26	22.08	21.17	19.78	17.58	15.90	17.80	16.84	18.95
50.0	9.227	10.60	11.88	12.34	11.33	10.53	9.978	9.059	9.791	9.349
52.5	5.736	5.238	4.721	4.827	5.984	6.045	5.544	5.617	5.114	5.110
55.0	4.165	3.799	3.484	3.157	2.847	2.882	3.247	3.067	3.189	3.001
57.5	2.844	2.609	2.378	2.132	1.962	1.757	1.593	1.908	1.779	1.834
60.0	1.590	1.575	1.517	1.419	1.280	1.134	1.125	1.136	1.190	1.141
62.5	1.082	0.9987	0.8976	0.7837	0.7853	0.7617	0.7356	0.7411	0.7934	0.8071
65.0	0.7072	0.6547	0.5962	0.5344	0.4882	0.4526	0.4581	0.4323	0.4540	0.5219
67.5	0.3681	0.3521	0.3291	0.3056	0.2972	0.2895	0.2602	0.1908	0.2046	0.2505
70.0	0.0370	0.0702	0.1000	0.1231	0.1424	0.1497	0.1287	0.0832	0.0305	0.0866
72.5	0	0	0	0	0.0003	0.0382	0.0482	0.0240	0.0151	0.0199
75.0	0	0	0	0	0	0	0	0.0033	0.0064	0.0103
77.5	0	0	0	0	0	0	0	0	0	0.0023
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3392	3416	3443	3474	3508	3544	3583	3547	3513	3481
5.0	2877	2917	2965	3021	3084	3154	3231	3159	3093	3034
7.5	2293	2342	2403	2473	2556	2649	2754	2654	2566	2489
10.0	1726	1776	1844	1922	2011	2114	2231	2119	2021	1937
12.5	1386	1328	1355	1432	1522	1624	1742	1630	1533	1449
15.0	1112	1045	985.8	1034	1115	1209	1318	1216	1129	1054
17.5	893.6	820.0	759.1	733.1	801.8	879.4	968.3	886.4	816.2	755.0
20.0	700.2	650.1	593.1	549.0	585.7	647.2	718.1	653.0	597.7	568.9
22.5	501.4	521.4	470.7	432.1	434.9	485.7	543.3	489.7	443.3	448.3
25.0	360.5	384.6	379.4	345.0	328.6	369.6	416.5	372.3	334.3	356.9
27.5	259.7	284.0	307.7	277.5	251.1	283.3	323.3	284.8	254.7	286.1
30.0	202.4	208.6	230.8	223.6	202.2	219.0	251.2	219.6	204.2	229.0
32.5	164.5	155.0	173.7	183.5	163.4	170.7	197.8	170.5	163.9	186.1
35.0	136.6	127.2	130.9	148.2	132.5	132.7	156.2	131.8	131.5	148.2
37.5	107.8	104.7	96.37	112.6	107.4	102.4	120.4	101.5	105.5	110.5
40.0	76.36	85.30	73.26	82.02	84.65	75.78	96.88	74.71	82.57	79.88
42.5	47.96	60.31	54.39	53.29	62.96	48.93	71.05	48.74	60.78	52.36
45.0	30.37	35.00	37.14	28.72	41.71	26.85	45.83	27.26	41.25	29.04
47.5	18.43	16.33	22.50	15.30	22.25	14.63	25.86	14.84	23.02	16.06
50.0	10.22	8.877	10.80	9.095	10.68	8.208	13.13	8.358	11.04	9.707
52.5	5.415	5.275	4.910	5.493	5.272	4.637	7.149	4.759	5.478	6.110
55.0	2.708	3.154	2.607	3.491	2.671	2.797	3.832	2.874	2.774	3.847
57.5	1.830	1.786	1.830	1.969	1.640	1.878	2.274	1.933	1.690	2.091
60.0	1.319	1.209	1.376	1.243	1.294	1.406	1.601	1.431	1.325	1.286
62.5	0.8161	0.9571	0.8612	0.8521	1.012	1.051	1.164	1.071	1.037	0.8872
65.0	0.4646	0.5710	0.4779	0.5978	0.7079	0.6616	0.7806	0.6790	0.7314	0.6369
67.5	0.2124	0.1864	0.2800	0.2368	0.2419	0.2397	0.4014	0.2424	0.2510	0.2691
70.0	0.0422	0.0196	0.0514	0.0113	0.0105	0.0166	0.0664	0.0182	0.0126	0.0095
72.5	0.0158	0.0067	0.0058	0.0191	0.0019	0.0089	0.0245	0.0090	0.0019	0.0154
75.0	0.0167	0.0155	0.0024	0.0122	0.0048	0.0131	0.0204	0.0110	0.0036	0.0075
77.5	0.0080	0.0157	0.0094	0.0012	0.0132	0.0136	0.0184	0.0070	0.0098	0.0007

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	0	0.0052	0.0089	0.0070	0.0070	0.0045	0.0163	0.0030	0.0048	0
82.5	0	0	0.0013	0.0085	0.0035	0.0043	0.0163	0.0029	0	0
85.0	0	0	0	0	0.0072	0.0043	0.0163	0.0002	0	0
87.5	0	0	0	0	0.0017	0.0054	0.0082	0	0	0
90.0	0	0	0	0	0.0000	0.0000	0	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3453	3428	3406	3388	3370	3355	3343	3335	3331	3331
5.0	2983	2939	2904	2876	2854	2840	2834	2835	2841	2855
7.5	2424	2369	2326	2294	2272	2300	2349	2398	2448	2497
10.0	1865	1805	1761	1822	1888	1959	2029	2098	2165	2223
12.5	1377	1356	1424	1500	1584	1672	1761	1813	1825	1843
15.0	1012	1077	1150	1236	1332	1353	1354	1360	1370	1384
17.5	788.6	856.6	935.3	1004	989.8	978.3	968.7	960.4	972.0	1013
20.0	623.9	690.2	749.2	727.2	704.8	681.7	685.4	715.9	743.1	764.6
22.5	498.3	561.1	540.5	515.1	486.7	508.9	532.5	551.4	561.6	572.5
25.0	400.4	409.9	384.8	356.8	378.9	400.4	417.5	425.3	433.2	441.4
27.5	322.5	297.8	272.1	281.2	301.8	318.3	319.5	320.5	320.9	324.6
30.0	238.3	214.8	209.5	225.3	240.2	238.6	235.2	233.5	243.0	249.0
32.5	176.1	156.4	168.3	182.3	178.4	175.3	183.3	186.5	183.7	183.7
35.0	130.3	126.6	137.6	136.3	129.4	132.0	138.6	142.1	143.2	144.0
37.5	94.42	102.9	107.5	99.40	99.40	106.5	109.1	108.2	107.6	106.5
40.0	71.82	83.47	76.90	72.09	80.15	83.65	80.37	77.07	78.16	78.92
42.5	53.62	59.96	49.94	55.13	61.68	58.37	54.05	55.56	56.37	54.28
45.0	37.99	36.00	33.27	40.26	39.43	36.32	37.55	37.49	38.93	39.63
47.5	24.05	17.86	21.77	23.68	21.03	23.17	23.03	24.95	26.24	26.50
50.0	11.69	10.07	12.91	11.80	12.47	13.03	14.53	15.22	15.78	16.18
52.5	5.465	6.210	6.466	6.285	6.689	7.607	7.886	8.678	8.433	6.885
55.0	2.892	3.707	3.175	3.676	3.967	3.927	4.438	3.989	3.938	4.512
57.5	1.979	2.002	2.076	2.209	2.139	2.326	2.057	2.362	2.668	2.925
60.0	1.459	1.290	1.445	1.282	1.389	1.325	1.389	1.475	1.687	1.866
62.5	0.9103	1.017	0.8885	0.8934	0.8931	0.8698	0.8769	0.9503	0.9843	0.9407
65.0	0.5204	0.6057	0.5241	0.5790	0.5135	0.5263	0.5476	0.5379	0.5889	0.6472
67.5	0.3256	0.2092	0.2708	0.2746	0.2441	0.2731	0.3238	0.3400	0.3582	0.3752
70.0	0.0618	0.0229	0.0569	0.0861	0.0494	0.1394	0.1763	0.1843	0.1745	0.1559
72.5	0.0047	0.0013	0.0040	0.0063	0.0228	0.0511	0.0738	0.0531	0.0085	0.0075
75.0	0	0.0030	0.0033	0.0021	0.0146	0.0173	0.0077	0.0066	0.0059	0.0053
77.5	0	0.0022	0.0016	0.0256	0.0167	0.0091	0.0064	0.0042	0.0036	0.0031
80.0	0	0	0	0.0034	0.0129	0.0049	0.0036	0.0018	0.0012	0.0008
82.5	0	0	0	0	0.0058	0.0007	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3331	3333	3338	3346	3358	3365	3374	3386	3400	3414
5.0	2871	2893	2918	2944	2977	3002	3033	3060	3088	3115
7.5	2541	2583	2617	2647	2675	2694	2714	2736	2752	2772
10.0	2273	2314	2344	2364	2374	2373	2371	2366	2361	2356
12.5	1864	1887	1911	1936	1957	1973	1984	1984	1973	1951
15.0	1406	1431	1463	1500	1540	1576	1605	1625	1629	1616
17.5	1049	1080	1109	1133	1158	1180	1204	1230	1255	1274
20.0	778.2	781.5	778.1	774.2	776.7	781.1	797.0	826.2	859.1	893.4
22.5	588.1	602.2	614.9	626.3	636.6	640.5	637.5	630.8	617.3	596.5
25.0	450.7	461.6	473.2	484.5	496.6	508.2	512.8	512.5	506.5	490.5
27.5	337.0	347.2	354.6	359.0	364.0	369.9	375.8	383.4	390.6	394.6
30.0	251.5	249.8	243.6	236.0	231.4	231.3	237.6	249.4	263.1	273.9
32.5	186.5	189.2	190.6	190.8	190.4	188.7	185.5	181.3	174.2	163.8
35.0	144.9	146.1	147.4	148.5	149.4	150.2	149.6	147.8	143.6	135.6
37.5	107.3	108.4	108.5	108.3	108.4	109.0	109.9	111.4	112.3	110.4
40.0	77.18	74.64	71.17	68.32	67.28	67.71	69.79	73.21	76.07	78.19
42.5	52.86	53.09	52.89	52.92	53.17	53.05	52.40	51.18	48.43	47.79
45.0	39.25	38.75	38.55	38.59	39.06	39.68	39.82	39.61	38.08	36.13
47.5	26.36	25.68	25.23	24.93	25.12	25.75	26.38	27.20	27.53	27.44
50.0	15.21	13.60	12.20	11.33	11.19	11.81	12.80	14.19	15.75	17.23
52.5	7.059	7.633	8.067	8.470	8.784	8.947	8.695	8.054	7.286	7.286
55.0	5.055	5.499	5.798	6.091	6.379	6.584	6.605	6.226	5.745	5.149
57.5	3.300	3.640	3.796	3.927	4.060	4.193	4.297	4.227	4.133	3.938
60.0	1.964	1.965	1.871	1.782	1.741	1.799	1.964	2.142	2.316	2.429
62.5	1.053	1.149	1.230	1.300	1.349	1.346	1.307	1.220	1.130	1.047
65.0	0.7072	0.7639	0.8157	0.8848	0.9562	0.9707	0.9472	0.8905	0.8298	0.7767
67.5	0.3976	0.4168	0.4488	0.5094	0.5678	0.5792	0.5516	0.5293	0.5146	0.5095
70.0	0.1268	0.0897	0.0941	0.1363	0.1793	0.1860	0.1523	0.1573	0.1780	0.2167

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	0.0070	0.0066	0.0352	0.0853	0.1324	0.1330	0.0874	0.0540	0.0261	0.0150
75.0	0.0048	0.0045	0.0116	0.0437	0.0856	0.0906	0.0658	0.0411	0.0207	0.0106
77.5	0.0027	0.0024	0.0046	0.0215	0.0428	0.0457	0.0340	0.0224	0.0120	0.0061
80.0	0.0005	0.0003	0.0002	0.0003	0	0.0007	0.0019	0.0026	0.0022	0.0016
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0.0178
90.0	0	0	0	0	0	0	0	0	0	0.0405
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	3739	3739	3739	3739	3739	3739	3739	3739	3739	3739
2.5	3426	3440	3455	3472	3491	3509	3526	3546	3566	3588
5.0	3135	3158	3176	3192	3210	3227	3240	3256	3274	3295
7.5	2792	2817	2850	2886	2913	2908	2897	2889	2886	2888
10.0	2356	2366	2381	2404	2437	2480	2529	2495	2459	2430
12.5	1924	1886	1874	1889	1916	1954	1999	2055	2034	1976
15.0	1590	1553	1506	1451	1415	1451	1493	1549	1615	1569
17.5	1293	1275	1225	1165	1102	1042	1070	1124	1184	1218
20.0	922.9	946.6	961.7	938.0	873.4	814.1	762.1	792.0	846.5	904.8
22.5	590.1	633.8	666.2	687.4	696.7	639.0	586.8	545.3	593.5	643.5
25.0	466.1	437.6	427.3	464.9	490.4	505.8	456.1	415.6	415.7	457.5
27.5	380.1	356.3	330.1	303.6	329.0	350.8	356.9	320.6	292.7	325.7
30.0	280.8	283.6	266.7	243.0	217.8	236.3	256.8	248.8	222.5	229.9
32.5	181.6	194.0	201.2	194.4	173.0	154.6	175.2	192.5	169.3	159.2
35.0	125.7	118.0	133.4	141.4	138.3	121.0	115.4	132.4	129.3	114.3
37.5	102.9	93.91	85.13	93.54	101.5	96.15	82.85	89.34	99.81	86.79
40.0	79.06	76.31	69.24	62.34	67.59	73.31	65.55	60.64	72.13	67.35
42.5	52.15	54.32	55.41	49.61	44.52	49.28	52.13	45.47	50.13	52.47
45.0	33.38	33.32	36.09	37.98	34.50	30.52	36.04	34.64	32.39	39.55
47.5	25.85	23.20	19.04	23.15	26.11	22.00	21.41	25.82	18.86	25.68
50.0	18.16	17.52	14.17	11.00	15.07	16.16	11.85	15.14	12.42	14.04
52.5	9.641	11.04	10.69	8.368	6.557	9.728	8.466	7.641	8.556	7.178
55.0	4.475	4.757	6.064	6.154	4.923	4.544	5.867	4.339	5.385	3.942
57.5	3.497	3.035	2.557	3.422	3.710	2.914	3.118	3.225	2.999	2.848
60.0	2.434	2.324	2.009	1.726	2.169	2.300	1.770	2.245	1.854	2.174
62.5	1.288	1.439	1.470	1.347	1.258	1.463	1.439	1.354	1.498	1.556
65.0	0.7372	0.6889	0.8271	0.9135	0.9508	0.8907	1.011	0.9626	1.084	0.9921
67.5	0.5105	0.4959	0.4680	0.4412	0.5437	0.6017	0.5571	0.6845	0.5202	0.6315
70.0	0.2634	0.2976	0.3167	0.2903	0.1573	0.2339	0.3431	0.2065	0.2744	0.3541
72.5	0.0168	0.0830	0.1403	0.1691	0.1093	0.0033	0.1180	0.0800	0.0974	0.0229
75.0	0.0117	0.0069	0.0076	0.0363	0.0520	0.0054	0.0007	0.0214	0.0107	0.0049
77.5	0.0071	0.0042	0.0050	0.0060	0.0074	0.0041	0.0025	0.0009	0.0042	0.0115
80.0	0.0025	0.0018	0.0024	0.0033	0.0044	0.0041	0.0038	0.0030	0.0011	0.0052
82.5	0.0018	0.0007	0.0001	0.0004	0.0013	0.0020	0.0019	0.0030	0.0036	0.0009
85.0	0.0054	0.0032	0.0014	0.0012	0.0005	0	0	0.0007	0.0018	0.0000
87.5	0.0070	0.0057	0.0027	0.0026	0.0002	0	0	0	0	0
90.0	0.0082	0.0082	0.0041	0.0041	0.0000	0	0	0	0	0
G/C	350.0	355.0								
0.0	3739	3739								
2.5	3611	3636								
5.0	3320	3350								
7.5	2896	2914								
10.0	2410	2401								
12.5	1934	1907								
15.0	1509	1466								
17.5	1151	1101								
20.0	865.8	814.0								
22.5	647.9	603.3								
25.0	487.5	446.7								
27.5	362.2	333.6								
30.0	261.3	245.4								
32.5	183.4	179.1								
35.0	130.2	131.9								
37.5	93.15	98.81								
40.0	67.78	75.18								
42.5	48.95	57.94								
45.0	31.74	42.50								
47.5	19.74	26.95								
50.0	11.99	14.64								
52.5	7.785	8.286								
55.0	5.178	4.841								
57.5	3.432	2.884								
60.0	2.108	1.915								
62.5	1.400	1.372								

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:

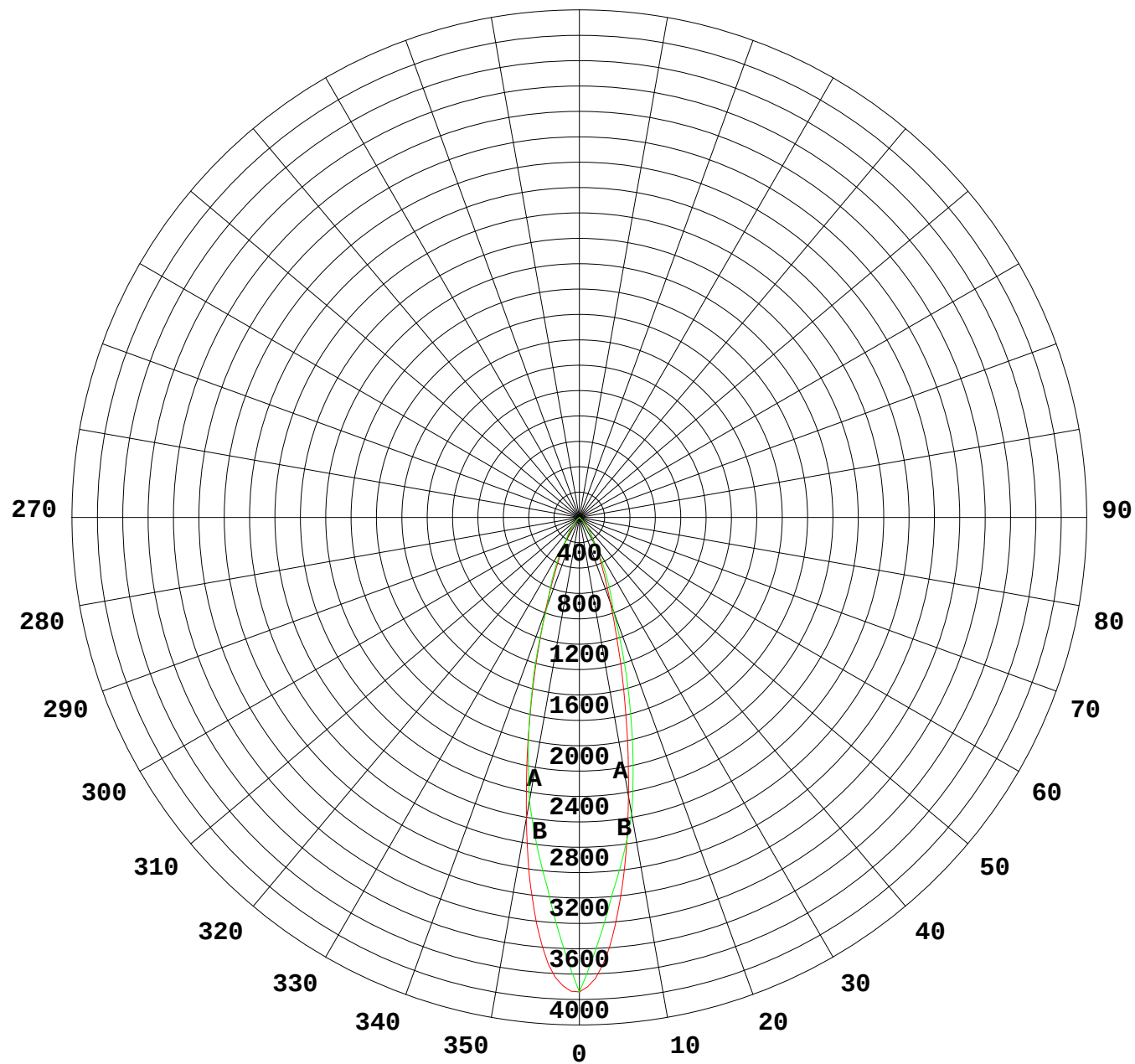
Photometric Data Table [cd]

65.0	0.9045	0.9617
67.5	0.6438	0.6307
70.0	0.3661	0.3098
72.5	0.0436	0.0588
75.0	0.0144	0.0049
77.5	0.0039	0.0024
80.0	0.0037	0.0000
82.5	0.0058	0.0079
85.0	0	0.0040
87.5	0	0
90.0	0	0

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

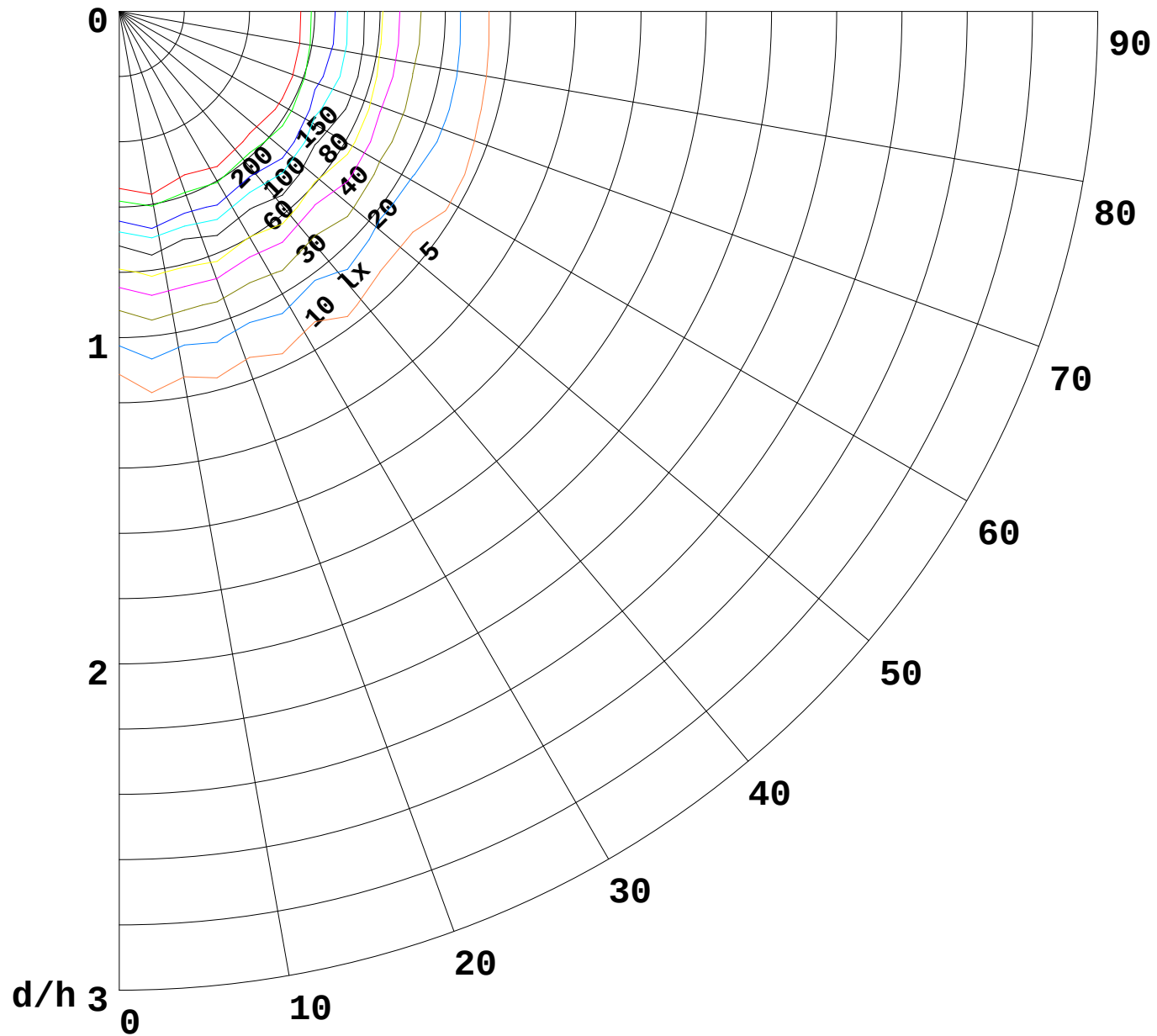
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

I(cd)



1000 μm

$K = 1$



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

