

TEST REPORT

Report reference No.....	GEN2026123.01
Product.....	LED Grille Light
Family Name.....	GR30
Trademark.....	
Manufacturer.....	KOE Lighting Ltd.
Address.....	25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China
Testing Laboratory.....	KOE Lab

Model list:
GR30-S4B SWH/GBK 3000K[CRI90] ZD24D (SS-9-300 MX-G)

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 (°)
AC220-240V	10	4	600	560	F	2980	50000	3000K	24

Power supply	SS-9-300 MX-G
Light model	SMD LED LS-3030 4C1B SAMSUNG3030, 6V 300mA 2W, 3000K, L53xW53<CRI90>, 800LM

Light Output Ratio:	75%	
Luminaire Power:	9.15W	
SUR.:	0.0031 m²	
SHR Nominal:	0.50	Calculated using the TM5 fine grid method.
SHR Maximum:	0.60	

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Judy
Test Date: 2025-02-24

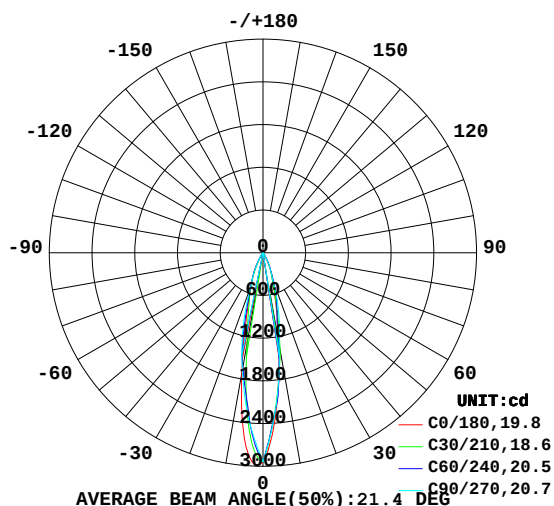
V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

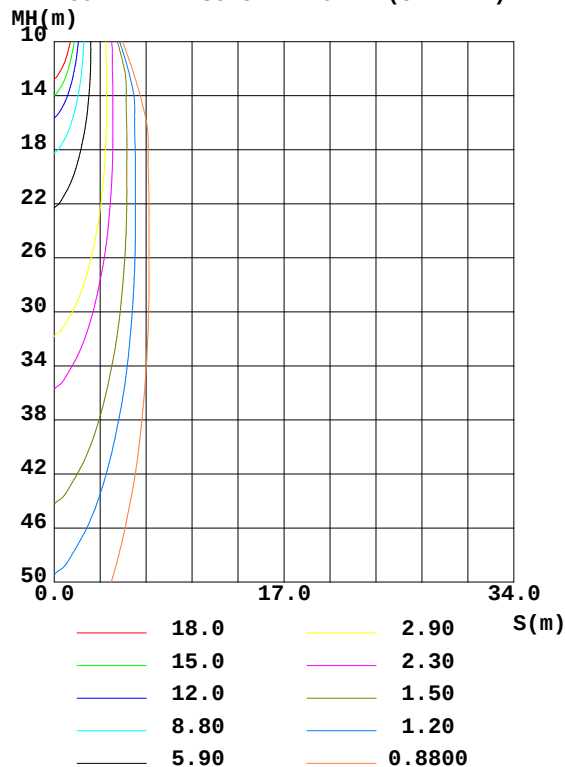
Test:U:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:
SPEC.:10W	DIM.: L65*W65*H65mm	SERIAL No.:GEN2026123.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.81 lm/W			
MODEL	LS-3030 4C1B 6V	Imax(cd)	2981	S/MH(C0/180)	0.39
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	565.58	η UP, DN(C0-180)	0.0, 46.3
NOMINAL FLUX(lm)	141.395	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 53.7
LAMPS INSIDE	4	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	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:2025-02-24

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	2189	2141	2144	2200	2737	2317	2334	2262	0- 5	60.29	60.29	10.7,10.7
10	1276	1308	1299	1277	1720	1465	1667	1473	5- 10	128.2	188.5	33.3,33.3
15	667.2	644.6	847.0	774.1	862.9	943.3	1084	775.1	10- 15	127.1	315.6	55.8,55.8
20	386.2	433.3	385.6	403.0	476.0	476.1	479.9	517.3	15- 20	100.4	416.0	73.5,73.5
25	202.5	198.6	227.4	234.7	309.1	297.0	293.0	266.0	20- 25	71.61	487.6	86.2,86.2
30	63.70	76.37	67.53	97.53	110.7	137.1	105.1	110.5	25- 30	42.94	530.5	93.8,93.8
35	37.53	41.89	38.11	34.67	43.28	45.31	67.10	58.00	30- 35	18.99	549.5	97.2,97.2
40	13.54	14.90	8.533	16.35	21.63	25.50	28.57	26.79	35- 40	10.39	559.9	99.99
45	1.694	6.638	4.433	3.176	3.257	5.787	14.48	13.09	40- 45	4.174	564.1	99.7,99.7
50	0.2991	0.3976	0.3610	0.6634	0.6119	1.206	0.4348	0.9265	45- 50	1.195	565.2	99.9,99.9
55	0.1679	0.2234	0.2174	0.2285	0.3820	0.3040	0.2687	0.4601	50- 55	0.2113	565.5	100,100
60	0.0655	0.0786	0.0861	0.0897	0.2218	0.1066	0.1148	0.1081	55- 60	0.0765	565.5	100,100
65	0.0082	0.0284	0.0431	0.0430	0.1151	0.0453	0.0554	0.0393	60- 65	0.0328	565.6	100,100
70	0.0041	0	0	0.0208	0.0575	0.0185	0	0	65- 70	0.0109	565.6	100,100
75	0.0041	0	0	0.0021	0.0451	0.0015	0	0	70- 75	0.0021	565.6	100,100
80	0.0041	0	0	0	0.0247	0	0	0	75- 80	0.0007	565.6	100,100
85	0.0041	0	0	0	0.0083	0	0	0	80- 85	0.0003	565.6	100,100
90	0.0041	0	0	0	0	0	0	0	85- 90	0.0001	565.6	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): 564.05 lm

%lum = 99.7%

%lamp = 99.7%

Conical surface Flux(120deg): 565.53 lm

%lum = 100.0%

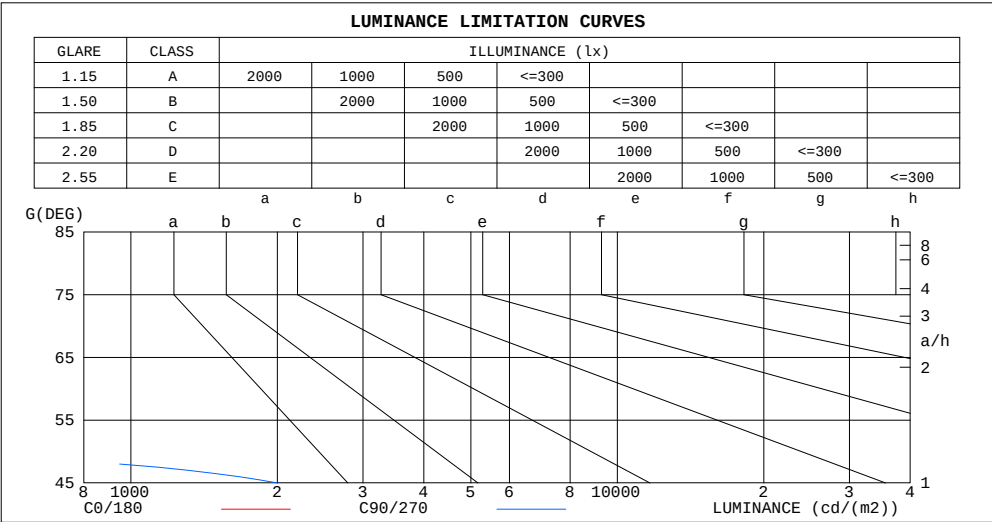
%lamp = 100.0%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-24

$V(B)$ 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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	15	0
80	8	0
75	5	0
70	4	0
65	6	33
60	42	55
55	93	121
50	148	179
45	764	1999

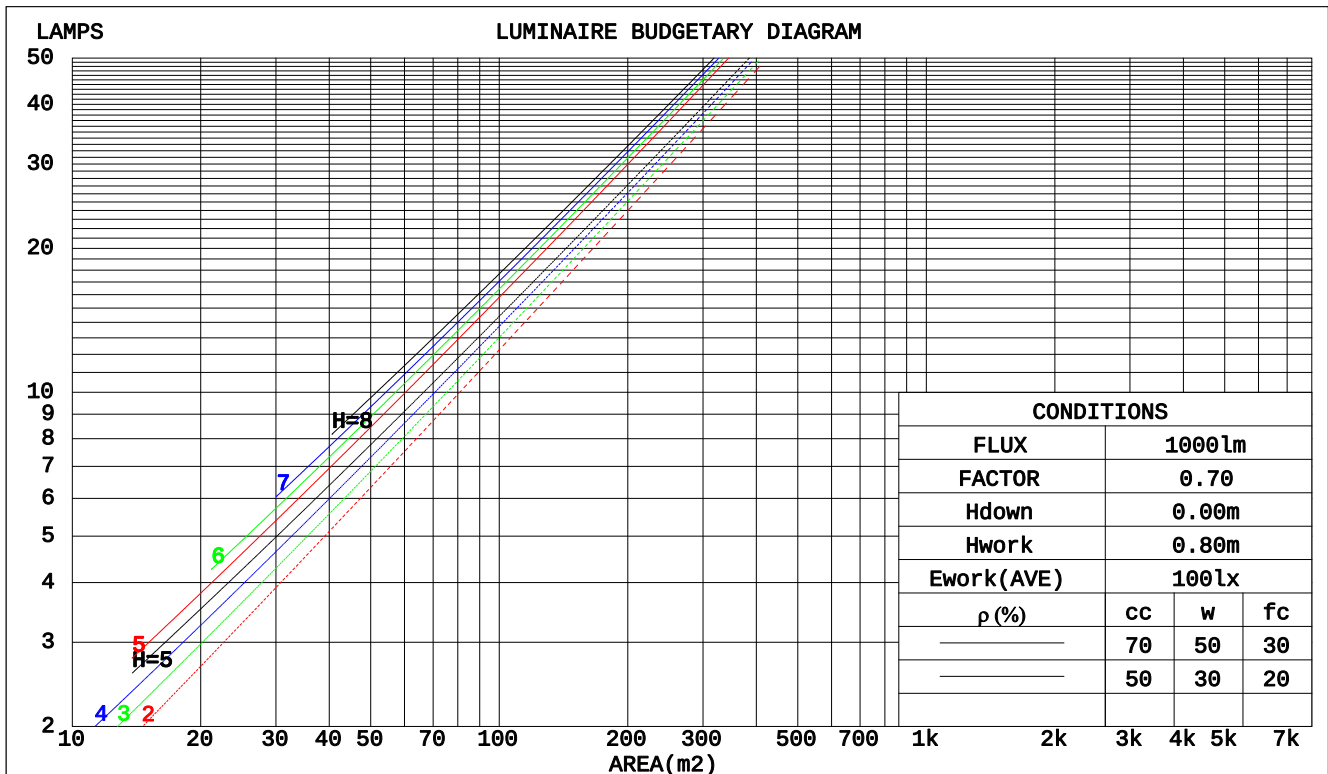
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.98	.99	.98	.96	.97	.96	.94	.93
3.0	1.02	.99	.96	1.01	.98	.95	.99	.96	.94	.96	.94	.92	.94	.92	.91	.90
4.0	.98	.94	.91	.97	.93	.91	.95	.92	.90	.93	.91	.89	.92	.89	.88	.86
5.0	.94	.90	.87	.94	.90	.87	.92	.89	.86	.90	.88	.85	.89	.87	.85	.83
6.0	.91	.87	.84	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.81
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78
8.0	.85	.81	.78	.84	.80	.78	.83	.80	.77	.83	.79	.77	.82	.79	.77	.76
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.75	.80	.77	.74	.73
10.0	.80	.76	.73	.79	.75	.73	.79	.75	.73	.78	.75	.72	.77	.74	.72	.71



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
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Operators:Judy
Test Date:2025-02-24

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm								
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SPEC.:10W				DIM.: L76*W76*H43mm			SERIAL No.:GEN2026109.01	
MFR.: KOE Lighting Ltd.				SUR.:W28XL28X4			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	.140	.079	.025	.133	.076	.024	.121	.069	.022	.109	.063	.020	.099	.057	.018	
2.0	.130	.071	.022	.125	.069	.021	.114	.064	.020	.105	.059	.018	.096	.054	.017	
3.0	.122	.065	.019	.117	.063	.019	.109	.059	.018	.101	.055	.017	.093	.052	.016	
4.0	.114	.059	.017	.111	.058	.017	.103	.055	.016	.097	.052	.016	.090	.049	.015	
5.0	.108	.055	.016	.105	.054	.016	.099	.051	.015	.093	.049	.015	.088	.047	.014	
6.0	.103	.051	.015	.100	.050	.014	.094	.048	.014	.089	.046	.014	.085	.045	.013	
7.0	.098	.048	.014	.095	.047	.014	.091	.046	.013	.086	.044	.013	.082	.043	.013	
8.0	.093	.046	.013	.091	.045	.013	.087	.043	.012	.083	.042	.012	.079	.041	.012	
9.0	.089	.043	.012	.087	.043	.012	.084	.041	.012	.080	.040	.012	.077	.039	.011	
10.0	.086	.041	.011	.084	.040	.011	.081	.039	.011	.078	.039	.011	.075	.038	.011	

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	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.117	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.065	.097	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-24

$V(B)$ 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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm											
NAME: LED Grille Light					TYPE:recessed			WEIGHT:			
SPEC.:10W					DIM.: L76*W76*H43mm			SERIAL No.:GEN2026109.01			
MFR.: KOE Lighting Ltd.					SUR.:W28XL28X4			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	9.1	9.8	9.3	10.0	10.1	8.9	9.5	9.1	9.7	9.8
	3H	9.0	9.6	9.2	9.8	10.0	8.7	9.3	9.0	9.5	9.7
	4H	8.9	9.5	9.2	9.7	9.9	8.6	9.2	8.9	9.4	9.7
	6H	8.8	9.4	9.1	9.6	9.9	8.6	9.1	8.8	9.4	9.6
	8H	8.8	9.3	9.1	9.6	9.8	8.5	9.1	8.8	9.3	9.6
	12H	8.7	9.3	9.0	9.5	9.8	8.5	9.0	8.8	9.2	9.5
4H	2H	8.9	9.5	9.2	9.7	9.9	8.6	9.2	8.9	9.4	9.7
	3H	8.7	9.3	9.0	9.5	9.8	8.5	9.0	8.8	9.2	9.5
	4H	8.6	9.1	9.0	9.4	9.7	8.4	8.8	8.7	9.1	9.4
	6H	8.5	9.0	8.9	9.3	9.6	8.3	8.7	8.6	9.0	9.4
	8H	8.5	8.9	8.9	9.2	9.6	8.2	8.6	8.6	9.0	9.3
	12H	8.4	8.8	8.8	9.2	9.5	8.2	8.5	8.6	8.9	9.3
8H	4H	8.5	8.9	8.9	9.2	9.6	8.2	8.6	8.6	9.0	9.3
	6H	8.4	8.7	8.8	9.1	9.5	8.1	8.4	8.5	8.8	9.2
	8H	8.3	8.6	8.8	9.0	9.5	8.0	8.3	8.5	8.7	9.2
	12H	8.2	8.5	8.7	8.9	9.4	8.0	8.2	8.4	8.7	9.1
12H	4H	8.4	8.8	8.8	9.2	9.5	8.2	8.5	8.6	8.9	9.3
	6H	8.3	8.6	8.8	9.0	9.5	8.0	8.3	8.5	8.7	9.2
	8H	8.2	8.5	8.7	8.9	9.4	8.0	8.2	8.4	8.7	9.1
Variations with the observer position at spacings:											
S = 1.0H	+ 3.0 / -27.6					+ 3.3 / -25.0					
1.5H	+ 5.8 / -24.1					+ 5.9 / -22.2					
2.0H	+ 8.1 / -17.7					+ 7.7 / -31.5					

CIE Pub.117, 565.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)

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H(β) Interval: 1.0DEG
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Temperature:25.3DEG
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V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
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Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
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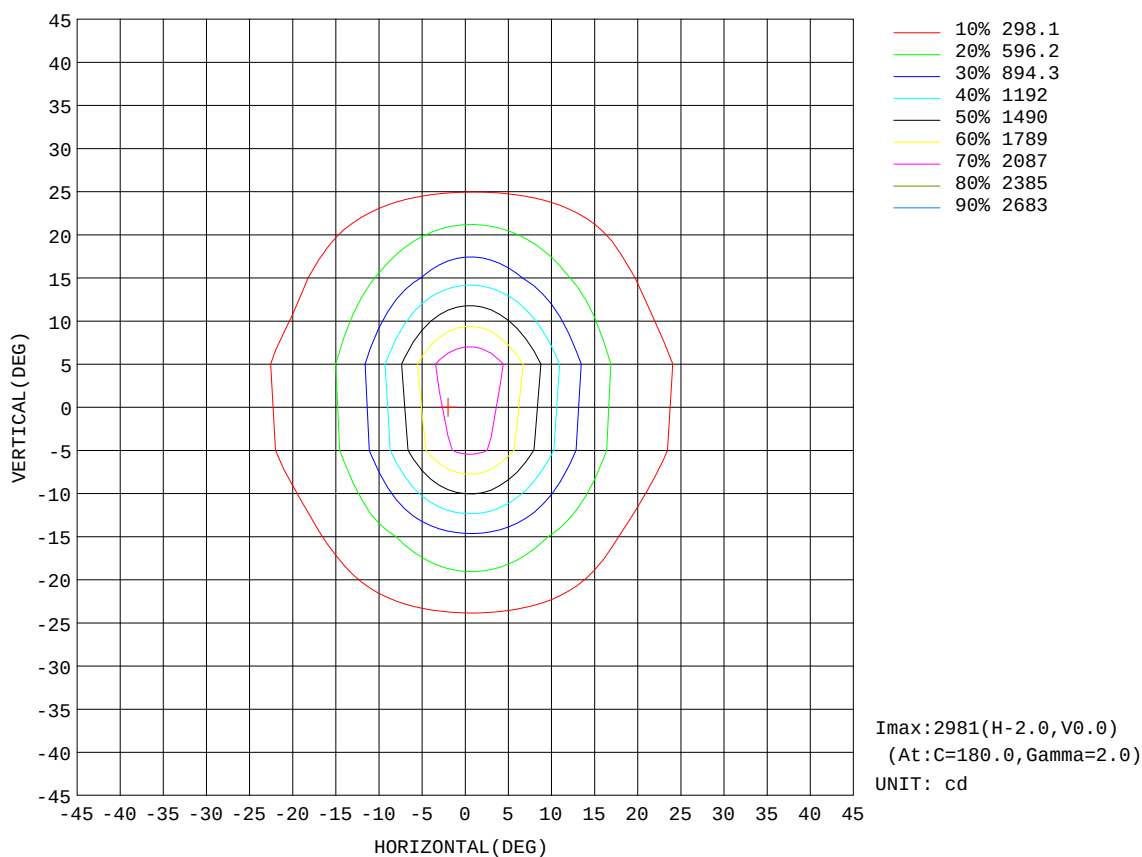
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	86
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	98	104	100	97	102	99	96	92
1.50	108	103	101	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	106	104	98
4.00	115	112	110	113	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:

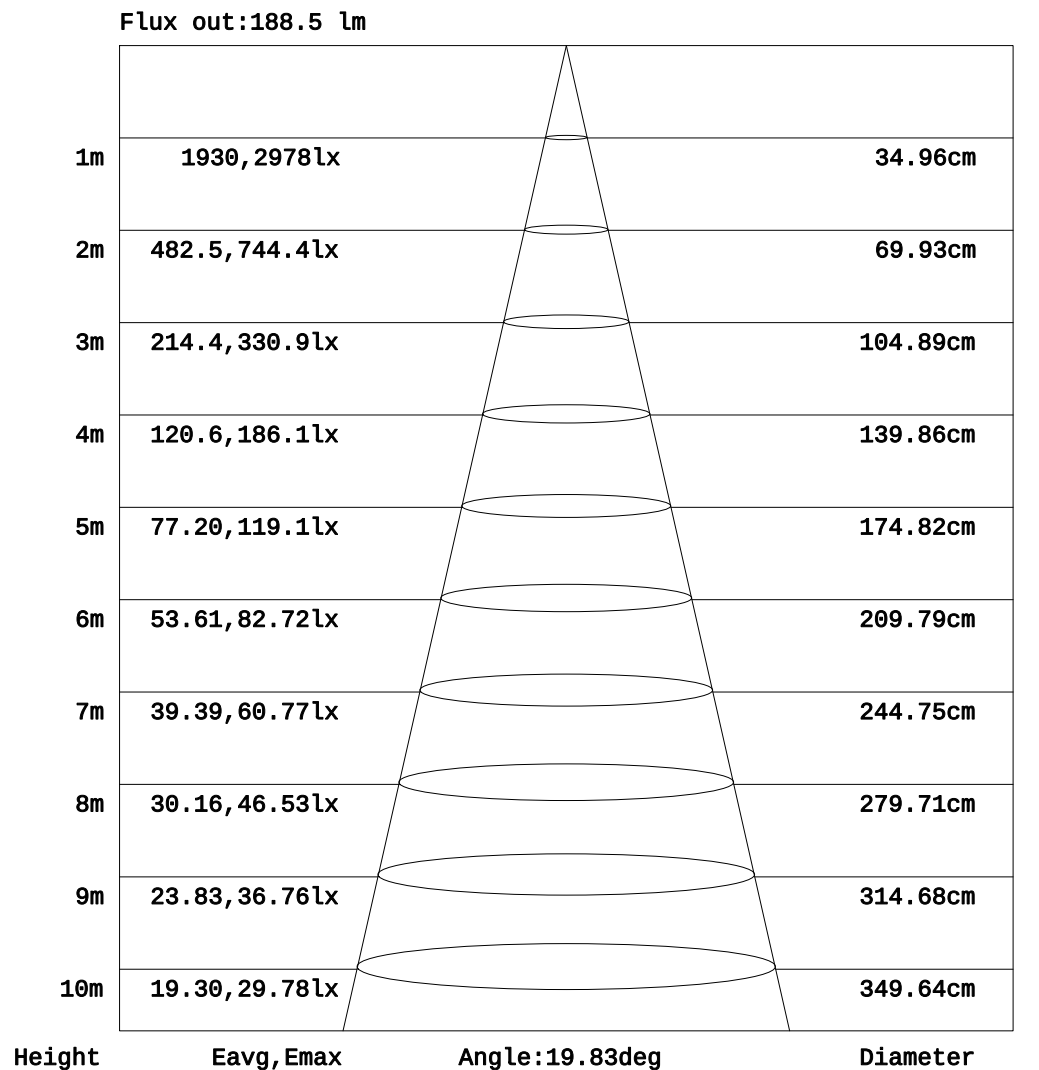


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-24

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:



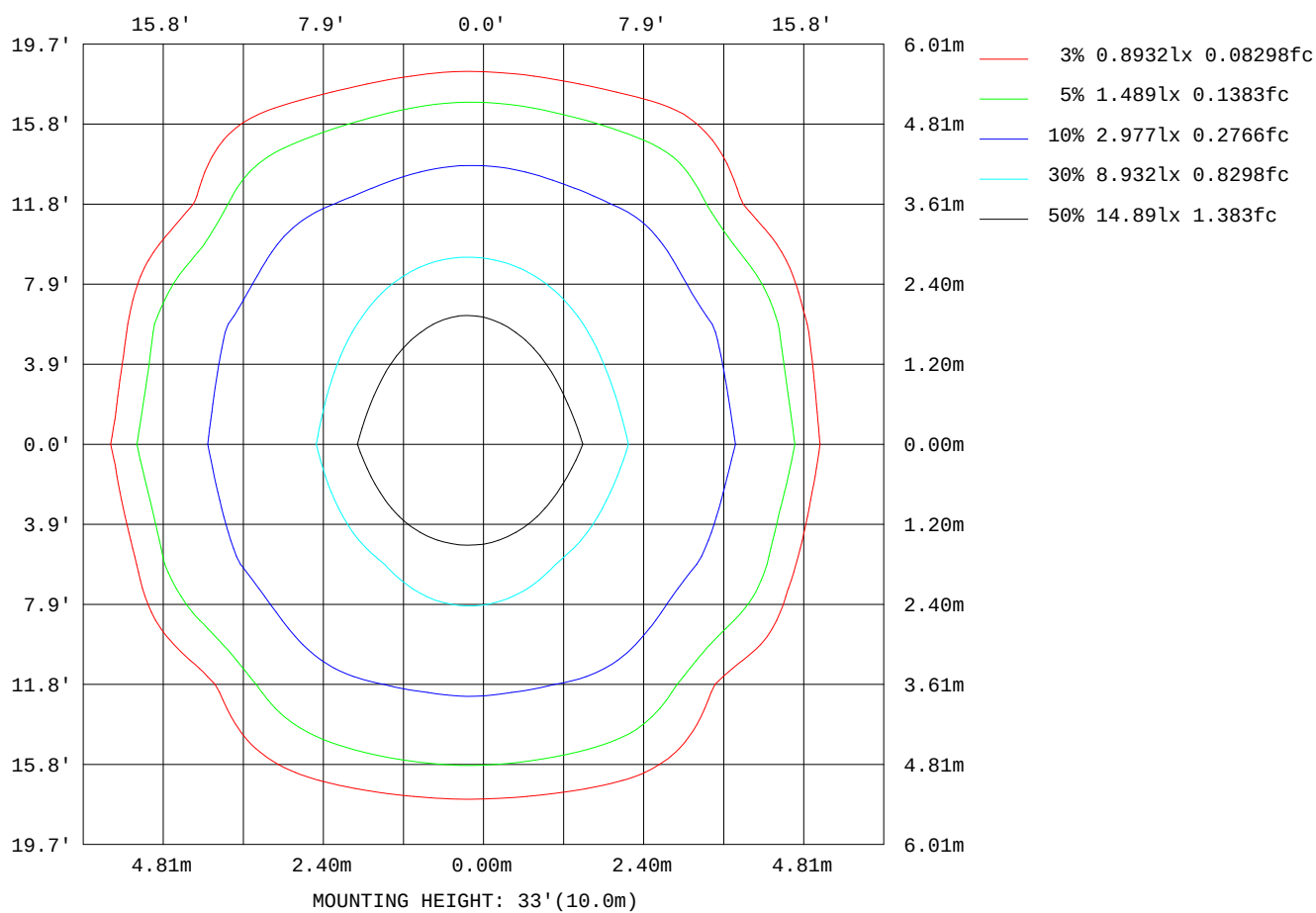
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-24

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-24

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:

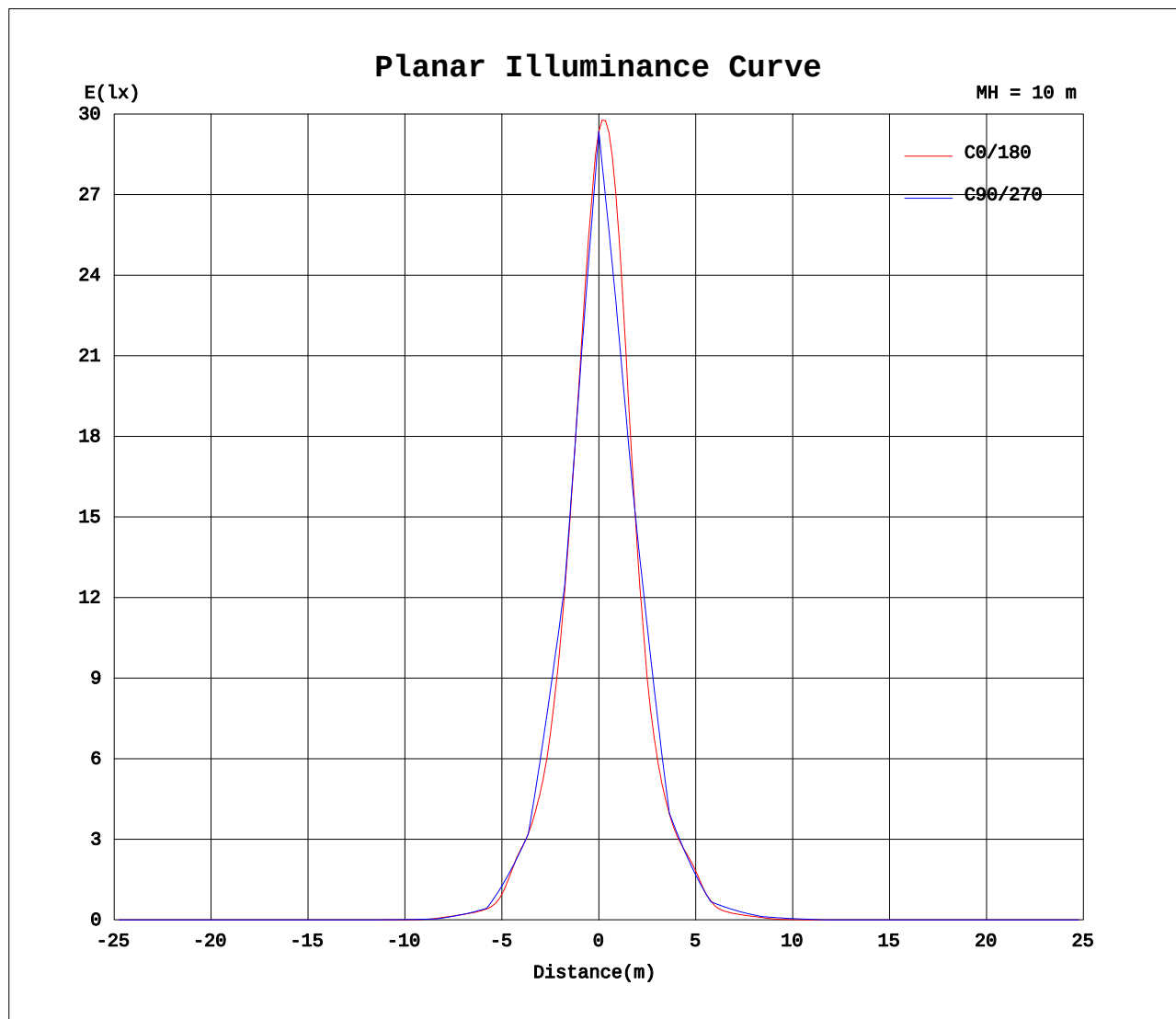
AvgL	cd/m2
L_0~180(65)av	47
L_0~180(75)av	30
L_0~180(85)av	23
L_90~270(65)av	37
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	29
L_45(75)av	1
L_45(85)av	0

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:2025-02-24

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:2025-02-24

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:

UNIT: cd

[illegible]

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:230.0V I:0.0640A P:9.150W PF:0.6140 Freq:50.00Hz Lamp Flux:141.395x4 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:10W	DIM.: L76*W76*H43mm	SERIAL No.:GEN2026109.01
MFR.: KOE Lighting Ltd.	SUR.:W28XL28X4	Shielding Angle:

UNIT: cd

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	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2626	2604	2585	2568	2554	2543	2534	2527	2523	2519
5.0	2189	2164	2146	2133	2126	2123	2123	2128	2133	2141
7.5	1712	1696	1689	1690	1699	1715	1736	1761	1785	1777
10.0	1276	1273	1282	1300	1325	1357	1393	1361	1333	1308
12.5	929.9	935.9	952.5	978.7	1017	1033	998.1	965.9	934.0	903.9
15.0	667.2	681.3	705.3	738.2	763.7	731.4	698.8	665.3	628.5	644.6
17.5	502.8	514.1	532.9	560.6	548.6	521.3	491.3	470.8	496.8	525.8
20.0	386.2	399.4	418.8	432.6	409.7	386.6	368.2	380.5	403.1	433.3
22.5	311.7	321.3	336.4	329.5	309.1	293.9	296.0	303.5	321.8	318.5
25.0	202.5	225.6	255.4	227.5	196.9	204.4	223.2	231.7	211.8	198.6
27.5	104.3	128.1	157.0	129.6	101.0	129.7	160.7	149.2	121.5	101.4
30.0	63.70	74.15	83.31	71.90	66.86	84.66	96.51	85.56	63.34	76.37
32.5	48.37	53.56	54.88	49.16	51.46	59.23	56.94	47.26	50.97	59.26
35.0	37.53	41.86	41.06	36.97	40.85	41.17	37.15	37.64	40.77	41.89
37.5	26.76	31.89	29.64	27.57	31.67	27.64	25.97	28.65	28.64	26.40
40.0	13.54	21.42	17.03	17.73	19.89	14.53	17.98	19.10	15.24	14.90
42.5	4.931	9.698	6.493	9.226	9.588	6.786	11.95	9.948	6.302	9.995
45.0	1.694	3.863	1.977	4.108	3.131	3.809	5.662	3.155	4.223	6.638
47.5	0.4279	1.189	0.5893	1.503	0.6880	2.098	1.688	1.742	2.809	2.575
50.0	0.2991	0.3822	0.3406	0.4092	0.3370	0.7305	0.4027	1.086	1.154	0.3976
52.5	0.2274	0.2845	0.2641	0.2072	0.2357	0.2642	0.2701	0.4803	0.2005	0.2932
55.0	0.1679	0.2140	0.2010	0.1266	0.1845	0.1727	0.1767	0.1499	0.1553	0.2234
57.5	0.1146	0.1579	0.1427	0.0982	0.1274	0.1260	0.0962	0.0940	0.1247	0.1289
60.0	0.0655	0.1078	0.0820	0.0776	0.0635	0.0754	0.0434	0.0785	0.0844	0.0786
62.5	0.0389	0.0739	0.0292	0.0515	0.0504	0.0172	0.0379	0.0512	0.0562	0.0554
65.0	0.0082	0.0495	0.0053	0.0302	0.0243	0.0050	0.0275	0.0309	0.0345	0.0284
67.5	0.0041	0.0331	0.0081	0.0175	0.0022	0.0082	0.0161	0.0199	0.0170	0.0030
70.0	0.0041	0.0207	0.0083	0.0091	0.0013	0.0062	0.0108	0.0076	0	0
72.5	0.0041	0.0119	0.0078	0.0008	0.0000	0.0041	0.0037	0	0	0
75.0	0.0041	0.0074	0.0058	0	0	0.0010	0	0	0	0
77.5	0.0041	0.0047	0.0016	0	0	0	0	0	0	0
80.0	0.0041	0.0067	0	0	0	0	0	0	0	0
82.5	0.0041	0.0053	0	0	0	0	0	0	0	0
85.0	0.0041	0	0	0	0	0	0	0	0	0
87.5	0.0041	0	0	0	0	0	0	0	0	0
90.0	0.0041	0	0	0	0	0	0	0	0	0

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2518	2518	2520	2525	2525	2525	2527	2532	2540	2543
5.0	2151	2159	2160	2164	2162	2160	2156	2147	2144	2134
7.5	1757	1740	1731	1727	1721	1720	1717	1717	1721	1721
10.0	1289	1273	1261	1254	1253	1257	1266	1281	1299	1316
12.5	877.3	878.2	918.3	955.3	990.1	1020	1044	1062	1073	1077
15.0	680.7	718.8	755.2	789.0	817.1	837.7	848.9	851.7	847.0	835.6
17.5	559.0	594.8	617.5	622.3	624.7	623.4	622.0	618.6	616.3	612.3
20.0	448.6	449.8	447.9	439.4	425.6	408.8	394.4	385.3	385.6	393.3
22.5	316.1	313.5	304.9	302.1	303.1	302.8	303.3	304.6	306.5	308.0
25.0	194.6	216.1	234.1	238.4	236.7	233.4	230.6	228.8	227.4	226.1
27.5	134.1	163.9	180.0	178.8	168.7	159.2	152.7	148.7	147.5	147.9
30.0	100.6	123.2	122.3	111.3	96.89	83.80	74.27	68.66	67.53	70.32
32.5	69.56	73.82	66.12	48.60	49.03	49.94	51.18	52.17	52.82	52.69
35.0	41.99	37.92	37.88	38.01	37.85	37.99	38.33	38.28	38.11	37.39
37.5	25.44	27.74	28.61	28.08	26.49	25.21	24.32	23.62	23.32	23.12
40.0	18.62	20.26	19.22	16.77	14.21	12.01	10.20	8.960	8.533	8.992
42.5	13.19	11.83	9.168	5.766	5.377	5.933	6.279	6.448	6.483	6.377
45.0	6.530	4.058	2.896	3.540	4.048	4.370	4.504	4.497	4.433	4.281
47.5	1.238	1.692	2.154	2.578	2.723	2.702	2.594	2.472	2.397	2.341
50.0	0.7624	1.248	1.425	1.417	1.251	0.9676	0.6701	0.4480	0.3610	0.4194
52.5	0.5678	0.7170	0.6292	0.3409	0.2564	0.2662	0.2027	0.2923	0.2892	0.2726
55.0	0.2863	0.2500	0.1897	0.1945	0.1980	0.2012	0.2151	0.2200	0.2174	0.2056
57.5	0.1179	0.1319	0.1403	0.1458	0.1403	0.1338	0.1361	0.1416	0.1517	0.1467
60.0	0.0851	0.0897	0.0883	0.0889	0.0780	0.0645	0.0546	0.0631	0.0861	0.0884
62.5	0.0508	0.0402	0.0280	0.0284	0.0369	0.0341	0.0352	0.0478	0.0646	0.0654
65.0	0.0155	0	0.0050	0.0237	0.0262	0.0237	0.0274	0.0351	0.0431	0.0438
67.5	0	0	0.0047	0.0187	0.0155	0.0132	0.0144	0.0177	0.0215	0.0222
70.0	0	0	0.0023	0.0068	0.0048	0.0027	0.0014	0.0005	0	0.0006
72.5	0	0	0.0000	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	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-24

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	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2549	2559	2572	2586	2599	2615	2635	2659	2685	2713
5.0	2132	2128	2128	2134	2140	2156	2175	2200	2234	2274
7.5	1721	1722	1716	1710	1700	1686	1671	1654	1655	1698
10.0	1331	1343	1350	1351	1343	1325	1303	1277	1249	1222
12.5	1076	1072	1066	1058	1048	1040	1024	995.3	962.8	928.9
15.0	822.7	810.1	799.8	791.2	784.6	779.7	776.0	774.1	765.6	725.9
17.5	607.5	599.4	589.9	576.5	560.3	557.8	563.0	567.8	573.4	581.3
20.0	405.2	418.8	429.8	434.8	432.7	423.4	408.0	403.0	414.8	428.3
22.5	309.9	313.9	319.8	326.7	334.7	335.1	323.2	304.6	287.5	307.7
25.0	227.4	231.5	237.7	245.6	253.9	259.5	256.0	234.7	215.9	207.4
27.5	150.9	155.9	162.1	167.3	173.4	177.6	175.6	165.4	148.8	139.4
30.0	76.45	85.10	95.89	105.7	110.1	104.6	102.4	97.53	88.03	83.96
32.5	52.03	51.24	50.59	50.02	62.33	64.02	57.10	53.42	53.57	53.59
35.0	36.71	36.44	36.44	36.69	36.86	37.56	38.04	34.67	33.44	36.35
37.5	23.13	23.37	23.66	23.97	25.06	25.97	26.29	24.91	21.62	22.84
40.0	10.11	11.58	13.08	14.38	15.26	16.05	17.00	16.35	13.52	13.32
42.5	6.179	5.880	5.452	5.737	7.763	9.070	8.610	8.268	6.318	7.362
45.0	4.138	3.950	3.738	3.413	2.988	3.648	4.336	3.176	3.445	3.301
47.5	2.331	2.293	2.203	2.019	1.905	1.733	1.467	1.662	1.503	1.676
50.0	0.6067	0.8431	1.027	1.086	1.072	0.9686	0.8208	0.6634	0.7728	0.6654
52.5	0.2626	0.2619	0.2526	0.3181	0.5146	0.5127	0.4207	0.3858	0.3769	0.3522
55.0	0.2022	0.2050	0.2004	0.2042	0.2089	0.2310	0.2507	0.2285	0.2616	0.2767
57.5	0.1475	0.1512	0.1527	0.1596	0.1577	0.1490	0.1419	0.1509	0.1607	0.1973
60.0	0.0942	0.1022	0.1104	0.1185	0.1172	0.1066	0.0998	0.0897	0.0979	0.1147
62.5	0.0677	0.0717	0.0749	0.0809	0.0837	0.0788	0.0664	0.0631	0.0536	0.0586
65.0	0.0460	0.0497	0.0525	0.0570	0.0575	0.0541	0.0500	0.0430	0.0313	0.0224
67.5	0.0242	0.0277	0.0311	0.0337	0.0354	0.0351	0.0327	0.0305	0.0261	0.0078
70.0	0.0024	0.0056	0.0096	0.0139	0.0161	0.0195	0.0197	0.0208	0.0193	0.0115
72.5	0	0	0	0	0.0000	0.0050	0.0080	0.0106	0.0101	0.0128
75.0	0	0	0	0	0	0	0	0.0021	0.0043	0.0062
77.5	0	0	0	0	0	0	0	0	0	0.0013
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	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2741	2773	2806	2843	2881	2921	2962	2928	2896	2866
5.0	2318	2370	2430	2497	2571	2652	2737	2664	2597	2535
7.5	1750	1813	1885	1966	2058	2160	2274	2174	2086	2010
10.0	1197	1259	1333	1414	1504	1605	1720	1618	1530	1454
12.5	897.0	866.0	898.4	968.7	1049	1137	1238	1148	1070	1001
15.0	688.2	655.6	626.6	668.9	727.0	790.1	862.9	798.3	743.9	695.6
17.5	553.2	519.2	492.3	485.0	529.1	576.7	630.8	582.2	540.4	502.9
20.0	446.8	427.3	401.9	380.6	402.5	436.8	476.0	441.7	412.4	396.3
22.5	334.6	364.6	338.8	313.2	310.4	340.5	377.0	348.0	325.9	333.0
25.0	238.1	274.4	276.9	237.0	213.0	256.0	309.1	262.8	227.1	261.6
27.5	140.4	169.0	190.8	145.8	110.4	157.5	212.3	160.2	117.2	166.2
30.0	75.94	81.80	91.69	79.49	64.11	82.18	110.7	83.39	67.50	89.64
32.5	49.39	43.70	51.08	53.17	45.59	49.24	60.14	50.31	47.98	57.54
35.0	37.98	33.60	34.39	40.03	34.93	35.26	43.28	36.12	37.04	43.60
37.5	27.39	25.74	21.55	27.43	25.95	23.98	32.09	24.66	27.65	30.42
40.0	16.66	18.34	12.34	16.07	15.80	10.85	21.63	11.36	17.25	17.88
42.5	6.498	7.937	5.510	5.824	6.369	3.984	8.085	4.216	7.474	7.001
45.0	2.729	3.036	2.891	1.726	2.927	1.287	3.257	1.376	3.454	2.114
47.5	1.328	0.9488	1.295	0.6540	1.023	0.6086	1.157	0.6232	1.202	0.7635
50.0	0.5907	0.4402	0.5106	0.4636	0.4869	0.4655	0.6119	0.4686	0.4976	0.4806
52.5	0.3254	0.3212	0.3265	0.3796	0.3569	0.3647	0.4826	0.3682	0.3644	0.3915
55.0	0.2322	0.2393	0.2277	0.3060	0.2557	0.2827	0.3820	0.2863	0.2593	0.3206
57.5	0.1951	0.1636	0.1668	0.2040	0.1764	0.2082	0.2998	0.2137	0.1798	0.2114
60.0	0.1497	0.1184	0.1139	0.1129	0.1314	0.1453	0.2218	0.1463	0.1354	0.1187
62.5	0.0794	0.1001	0.0595	0.0538	0.0977	0.0913	0.1644	0.0917	0.0995	0.0591
65.0	0.0298	0.0615	0.0351	0.0169	0.0699	0.0404	0.1151	0.0384	0.0713	0.0230
67.5	0.0004	0.0208	0.0331	0.0023	0.0278	0.0101	0.0822	0.0060	0.0273	0.0022
70.0	0.0032	0.0025	0.0127	0.0047	0.0097	0.0057	0.0575	0.0045	0.0061	0.0028
72.5	0.0071	0.0027	0.0026	0.0077	0.0019	0.0071	0.0473	0.0046	0.0010	0.0038
75.0	0.0067	0.0063	0.0016	0.0049	0.0024	0.0099	0.0451	0.0066	0.0012	0.0025
77.5	0.0032	0.0063	0.0058	0.0005	0.0066	0.0102	0.0328	0.0070	0.0033	0.0002

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-24

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	0.0022	0.0060	0.0047	0.0045	0.0030	0.0247	0.0015	0.0022	0
82.5	0	0	0.0009	0.0054	0.0012	0.0014	0.0205	0	0	0
85.0	0	0	0	0	0.0028	0.0021	0.0083	0	0	0
87.5	0	0	0	0	0	0.0027	0.0041	0.0008	0	0
90.0	0	0	0	0	0	0	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	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2837	2810	2786	2765	2744	2723	2705	2691	2679	2671
5.0	2481	2434	2395	2365	2338	2317	2304	2297	2293	2297
7.5	1944	1888	1843	1810	1785	1807	1849	1888	1923	1953
10.0	1388	1330	1288	1343	1403	1465	1526	1583	1634	1672
12.5	944.3	930.3	989.0	1053	1125	1200	1275	1319	1335	1351
15.0	666.0	715.2	772.1	841.6	919.0	943.3	954.2	966.0	978.1	992.4
17.5	524.5	570.3	625.3	676.4	674.9	674.4	672.0	669.3	676.7	705.6
20.0	427.1	465.7	503.3	493.5	484.9	476.1	480.6	500.0	514.7	522.2
22.5	361.8	395.3	370.5	352.2	339.8	365.4	386.4	396.1	395.0	387.1
25.0	306.1	301.6	267.1	239.3	265.3	297.0	319.9	313.8	302.0	291.9
27.5	223.9	196.5	164.4	170.8	195.2	231.0	233.9	226.4	213.7	201.9
30.0	108.4	90.87	90.76	104.7	121.4	137.1	142.7	142.7	141.2	131.1
32.5	57.06	49.73	57.61	64.36	68.79	71.48	78.71	88.02	80.89	64.57
35.0	38.48	39.03	45.29	44.49	42.45	45.31	51.68	49.81	47.91	48.47
37.5	25.07	30.75	33.63	29.13	30.28	34.70	36.76	35.52	33.93	33.19
40.0	15.01	22.92	20.90	17.52	21.73	25.50	24.88	23.11	22.09	22.92
42.5	7.294	12.18	9.733	10.15	13.17	14.79	14.00	13.98	12.65	12.66
45.0	3.877	4.102	3.971	5.151	5.518	5.787	7.566	6.509	6.092	7.461
47.5	1.832	1.303	2.080	2.580	2.342	2.785	2.818	3.291	3.783	4.062
50.0	0.6068	0.5297	0.9468	1.030	1.198	1.206	1.588	1.785	1.986	2.081
52.5	0.3426	0.3440	0.3937	0.4538	0.5121	0.6451	0.7283	0.9057	0.8380	0.4520
55.0	0.2427	0.2561	0.2524	0.3118	0.2990	0.3040	0.3782	0.3245	0.2418	0.2489
57.5	0.1779	0.1808	0.2145	0.2214	0.1810	0.1800	0.1707	0.1873	0.1872	0.1862
60.0	0.1182	0.1298	0.1701	0.1320	0.1133	0.1066	0.1211	0.1261	0.1393	0.1495
62.5	0.0670	0.1117	0.0906	0.0727	0.0577	0.0731	0.0790	0.0914	0.1008	0.1010
65.0	0.0403	0.0670	0.0340	0.0329	0.0344	0.0453	0.0569	0.0581	0.0671	0.0694
67.5	0.0399	0.0242	0.0002	0.0085	0.0271	0.0315	0.0377	0.0379	0.0418	0.0412
70.0	0.0142	0.0030	0.0016	0.0077	0.0158	0.0185	0.0219	0.0201	0.0206	0.0170
72.5	0.0019	0	0.0032	0.0074	0.0094	0.0093	0.0090	0.0052	0.0000	0
75.0	0	0	0.0028	0.0049	0.0032	0.0015	0	0	0	0
77.5	0	0	0.0000	0.0005	0	0	0	0	0	0
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	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2660	2650	2642	2637	2635	2626	2620	2616	2614	2611
5.0	2300	2307	2316	2322	2334	2336	2342	2341	2337	2331
7.5	1974	1993	1999	2001	2001	1991	1981	1972	1960	1950
10.0	1696	1706	1705	1691	1667	1635	1601	1569	1540	1515
12.5	1366	1377	1384	1384	1376	1357	1328	1291	1246	1196
15.0	1009	1028	1048	1068	1084	1088	1080	1060	1027	984.4
17.5	730.9	750.4	766.4	775.4	781.8	784.0	785.2	782.8	778.6	771.3
20.0	522.8	515.3	502.4	488.7	479.9	480.6	489.2	504.1	521.3	537.0
22.5	383.8	383.4	384.6	386.2	386.5	384.5	379.7	373.5	369.0	365.3
25.0	285.0	282.6	284.1	288.2	293.0	295.2	293.4	293.3	291.6	291.0
27.5	197.1	194.9	195.7	197.6	199.0	199.5	201.1	204.1	210.2	219.7
30.0	121.5	115.0	110.7	108.2	105.1	103.5	112.0	112.0	123.4	138.4
32.5	68.90	74.72	80.23	84.73	86.09	83.45	78.46	71.91	66.22	62.51
35.0	51.57	55.29	59.65	63.80	67.10	66.67	64.18	59.52	54.95	51.80
37.5	36.93	40.26	43.52	46.14	47.84	47.70	46.82	44.87	42.90	41.22
40.0	26.48	28.13	28.81	28.89	28.57	28.73	29.13	29.10	28.02	26.23
42.5	17.61	19.52	20.48	21.23	21.52	21.41	20.93	19.70	15.99	11.88
45.0	10.83	12.90	13.50	14.01	14.48	14.67	14.78	14.34	12.01	8.104
47.5	5.157	7.180	7.314	7.327	7.457	7.702	8.176	8.598	8.231	5.799
50.0	2.112	2.214	1.397	0.7102	0.4348	0.7304	1.539	2.627	3.331	3.016
52.5	0.3152	0.3246	0.3264	0.3461	0.3518	0.3522	0.3376	0.3135	0.3010	0.5153
55.0	0.2487	0.2548	0.2534	0.2613	0.2687	0.2698	0.2609	0.2433	0.2367	0.2288
57.5	0.1903	0.1898	0.1864	0.1868	0.1917	0.1863	0.1724	0.1658	0.1679	0.1689
60.0	0.1391	0.1304	0.1207	0.1135	0.1148	0.1015	0.0831	0.0847	0.0923	0.1032
62.5	0.0943	0.0915	0.0871	0.0841	0.0851	0.0746	0.0558	0.0485	0.0422	0.0366
65.0	0.0642	0.0622	0.0591	0.0563	0.0554	0.0510	0.0390	0.0349	0.0303	0.0289
67.5	0.0373	0.0343	0.0311	0.0285	0.0277	0.0258	0.0205	0.0197	0.0186	0.0205
70.0	0.0116	0.0069	0.0031	0.0008	0	0.0007	0.0020	0.0040	0.0058	0.0079

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-24

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	0	0	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	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	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	2935	2935	2935	2935	2935	2935	2935	2935	2935	2935
2.5	2602	2595	2589	2585	2582	2580	2580	2581	2585	2592
5.0	2317	2304	2285	2262	2242	2223	2205	2191	2180	2174
7.5	1937	1931	1932	1936	1927	1884	1840	1801	1767	1740
10.0	1497	1484	1476	1473	1478	1488	1504	1447	1395	1351
12.5	1143	1085	1059	1059	1067	1078	1094	1115	1081	1025
15.0	934.5	881.3	827.1	775.1	742.3	758.8	774.9	794.6	816.9	776.8
17.5	760.5	725.3	674.6	626.6	582.0	541.9	551.4	568.7	586.9	591.5
20.0	545.0	546.1	541.8	517.3	476.2	440.0	413.0	422.7	438.8	455.1
22.5	371.1	389.9	395.9	393.8	392.5	357.8	338.2	329.2	338.6	351.8
25.0	290.2	285.0	268.9	266.0	268.3	281.1	263.4	242.9	231.3	252.8
27.5	224.7	219.7	193.5	153.7	159.3	181.1	192.9	157.1	125.2	147.0
30.0	154.7	166.0	145.1	110.5	82.34	103.5	118.4	101.2	78.05	79.18
32.5	85.48	100.9	101.1	83.69	64.68	56.63	69.47	70.42	58.34	53.92
35.0	49.63	50.88	60.42	58.00	52.66	47.15	45.56	48.70	46.85	41.26
37.5	38.81	38.37	37.50	39.23	40.01	38.50	34.15	34.92	37.60	31.94
40.0	27.28	28.90	28.57	26.79	25.60	27.24	24.85	21.69	25.27	21.83
42.5	14.76	17.97	20.62	19.14	11.30	14.30	17.40	10.01	12.20	11.34
45.0	6.494	7.256	11.05	13.09	7.513	5.162	9.068	5.451	4.094	4.975
47.5	4.744	3.543	2.727	5.702	4.843	2.942	2.665	3.007	0.9726	1.824
50.0	3.060	2.549	1.726	0.9265	2.043	1.825	0.6309	0.9913	0.4080	0.4665
52.5	1.217	1.392	1.238	0.6450	0.3054	0.7802	0.3661	0.3087	0.2522	0.2123
55.0	0.2274	0.3825	0.5810	0.4601	0.2159	0.2114	0.2095	0.1837	0.1908	0.1335
57.5	0.1708	0.1708	0.1548	0.2238	0.1608	0.1162	0.1167	0.1368	0.1340	0.1007
60.0	0.1151	0.1193	0.1108	0.1081	0.1055	0.0982	0.0621	0.0854	0.0933	0.0829
62.5	0.0524	0.0578	0.0667	0.0713	0.0688	0.0687	0.0527	0.0268	0.0573	0.0544
65.0	0.0221	0.0054	0.0201	0.0393	0.0443	0.0459	0.0360	0.0086	0.0259	0.0339
67.5	0.0168	0.0026	0	0.0037	0.0206	0.0281	0.0233	0.0097	0.0023	0.0179
70.0	0.0091	0.0032	0	0	0	0.0108	0.0136	0.0066	0.0013	0.0087
72.5	0.0000	0.0007	0	0	0	0	0.0049	0.0044	0.0030	0.0008
75.0	0	0	0	0	0	0	0	0.0010	0.0049	0.0000
77.5	0	0	0	0	0	0	0	0	0.0019	0
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	350.0	355.0								
0.0	2935	2935								
2.5	2601	2612								
5.0	2173	2178								
7.5	1722	1712								
10.0	1315	1290								
12.5	982.7	950.7								
15.0	729.8	693.2								
17.5	552.6	523.7								
20.0	433.5	406.6								
22.5	351.0	328.7								
25.0	273.6	234.8								
27.5	168.8	134.3								
30.0	89.28	77.06								
32.5	58.18	55.29								
35.0	43.99	43.37								
37.5	32.51	33.39								
40.0	19.46	22.95								
42.5	7.314	10.39								
45.0	2.262	4.106								
47.5	0.6760	1.281								
50.0	0.3562	0.3904								
52.5	0.2722	0.2881								
55.0	0.2086	0.2184								
57.5	0.1482	0.1634								
60.0	0.0861	0.1159								
62.5	0.0285	0.0811								

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-24

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:

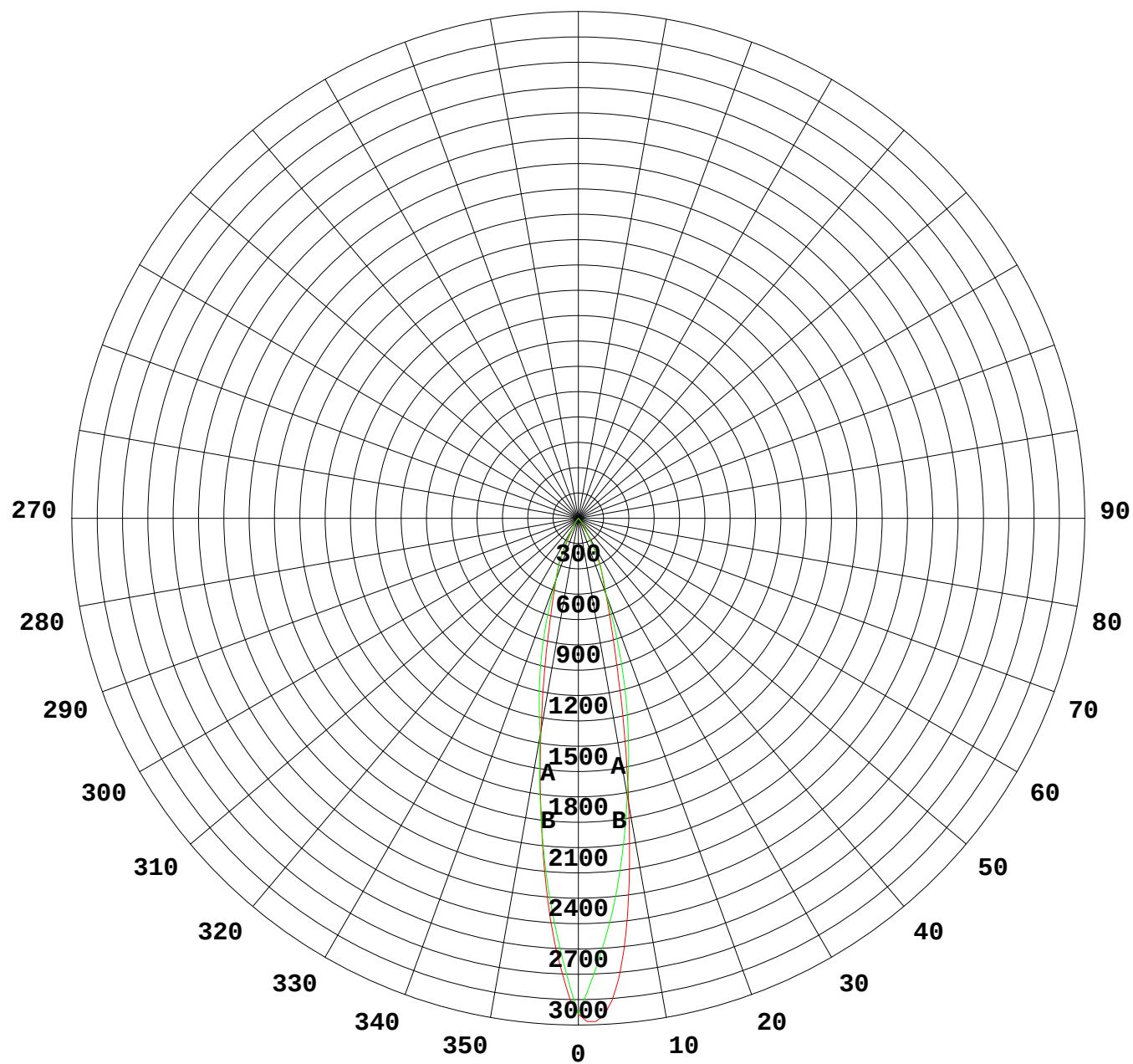
Photometric Data Table [cd]

65.0	0.0015	0.0529
67.5	0.0046	0.0324
70.0	0.0064	0.0224
72.5	0.0073	0.0134
75.0	0.0058	0.0049
77.5	0.0016	0.0009
80.0	0	0.0026
82.5	0	0.0027
85.0	0	0
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:2025-02-24

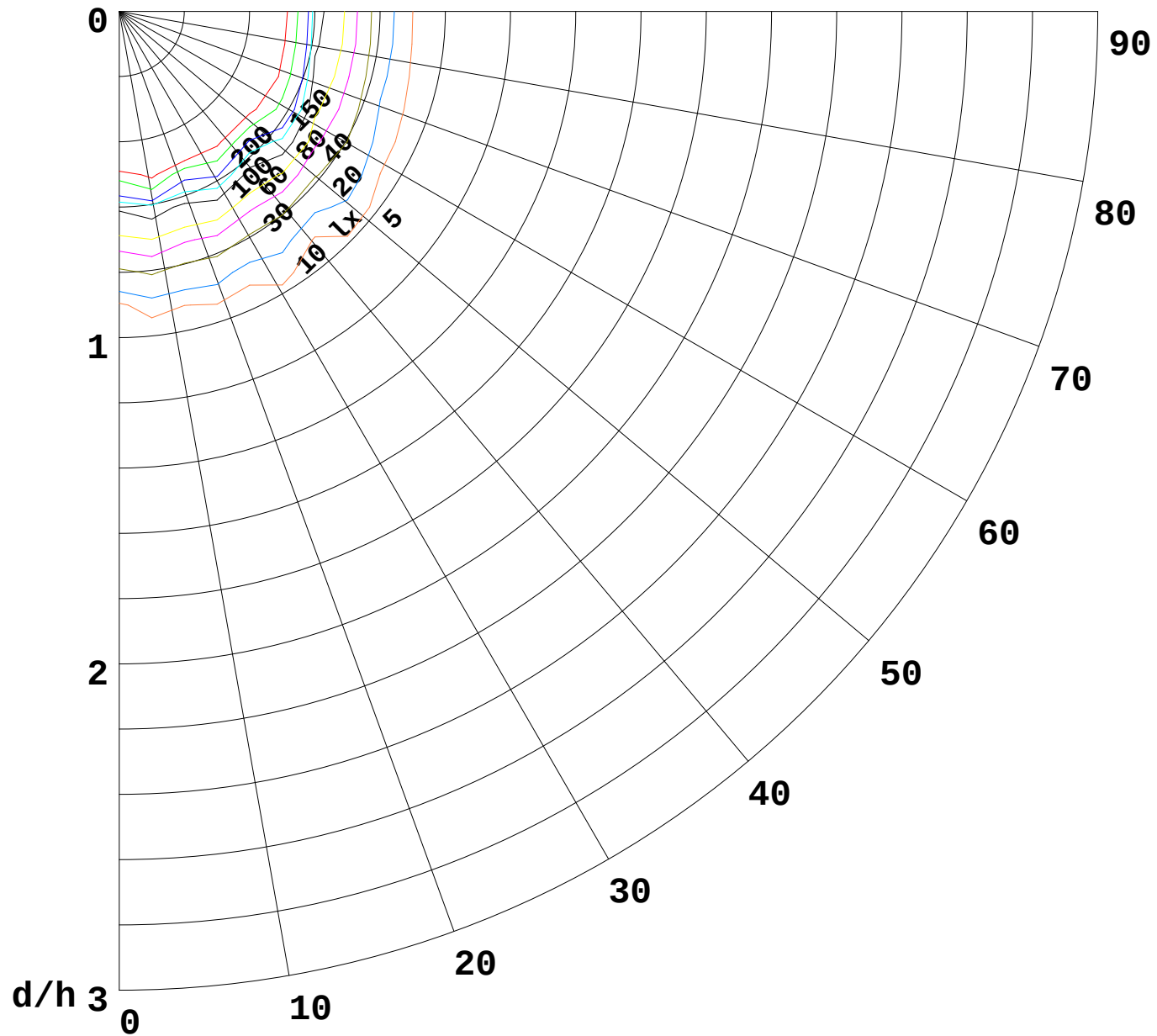
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

I(cd)



1000 lm

K = 1



F = 1000 lm
 K = 0.7
 Hcc = 0.8 m
 Hfc = 0.0 m
 Eave = 100 lx

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

