

TEST REPORT

Report reference No.....	GEN2026125.01								
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-S10B SWH GBK 3000K[CRI90] ZD24D (LS-21-600 SI1 E)									
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	23	10	1500	1400	F	5650	30000	3000K	24
Power supply	LS-21-600 SI1 E								
Light model	LED LS-257.2x20-5C2B-3030 SAMSUNG3030, 6V 300mA 2W, 3000K, L257.2xW20<CRI90>, 2000LM								

Light Output Ratio:	75%	
Luminaire Power:	22W	
SUR.:	0.0065 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: 2025-02-21

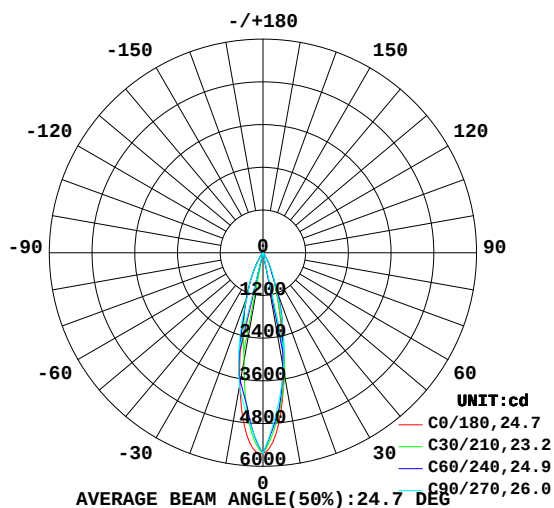
V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

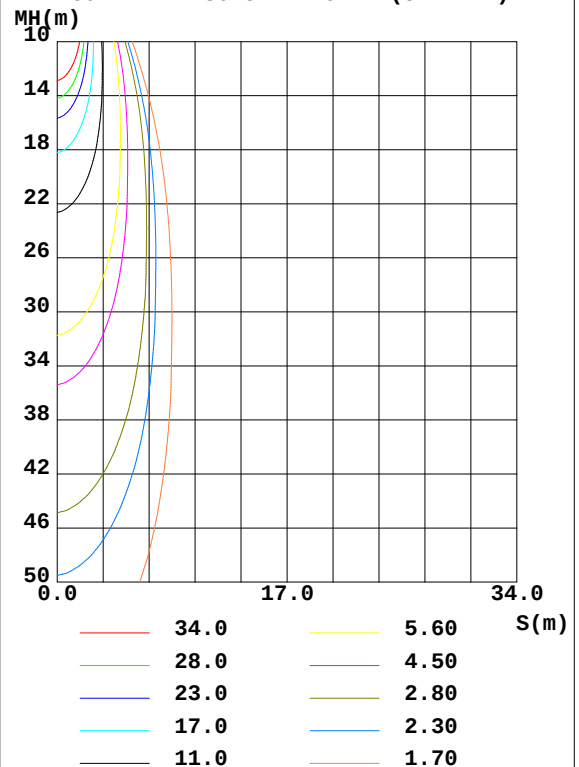
Test:U:230.0V I:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:
SPEC.:23W	DIM.: L268*W35*H70mm	SERIAL No.:GEN2026125.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.64 lm/W			
MODEL LS-257.2x20-5C2B-3030		Imax(cd)	5646	S/MH(C0/180)	0.44
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	30	TOTAL FLUX(lm)	1422.0	η UP, DN(C0-180)	0.0, 46.8
NOMINAL FLUX(lm)	142.199	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 53.2
LAMPS INSIDE	10	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:2025-02-21

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	4892	4628	4446	4422	5158	4594	4793	4794	0- 5	120.5	120.5	8.47, 8.47
10	3360	3314	3310	3055	3765	3367	3810	3541	5- 10	284.5	405.0	28.5, 28.5
15	1888	1892	2164	2069	2311	2427	2535	2070	10- 15	322.3	727.3	51.1, 51.1
20	1026	1204	1035	1070	1360	1275	1255	1343	15- 20	267.3	994.6	69.9, 69.9
25	512.2	551.9	617.6	587.5	775.6	762.9	807.6	670.0	20- 25	186.2	1181	83, 83
30	205.6	235.2	199.7	281.9	374.9	416.7	348.9	319.9	25- 30	117.0	1298	91.3, 91.3
35	86.96	116.7	117.6	108.8	153.6	173.3	200.0	160.2	30- 35	59.46	1357	95.4, 95.4
40	38.52	44.11	34.95	52.40	62.68	81.53	46.02	53.80	35- 40	30.05	1387	97.6, 97.6
45	21.52	31.02	23.59	29.63	29.34	38.01	30.07	36.62	40- 45	14.64	1402	98.6, 98.6
50	12.66	17.05	12.19	19.52	16.44	22.45	14.01	19.17	45- 50	8.923	1411	99.2, 99.2
55	6.856	11.97	7.809	11.12	9.265	12.19	8.993	13.48	50- 55	5.584	1416	99.6, 99.6
60	2.431	6.001	3.424	6.464	4.437	6.976	4.004	6.827	55- 60	3.375	1420	99.8, 99.8
65	0.0417	2.749	1.740	2.472	0.6368	2.785	2.023	3.294	60- 65	1.574	1421	100, 100
70	0.0417	0.3768	0.0493	0.5183	0.0645	0.7129	0.0417	0.5925	65- 70	0.4725	1422	100, 100
75	0.0303	0.0792	0.0493	0.0532	0.0570	0.0648	0.0360	0.0955	70- 75	0.0614	1422	100, 100
80	0.0265	0.0447	0.0417	0.0470	0.0455	0.0309	0.0265	0.0167	75- 80	0.0185	1422	100, 100
85	0.0265	0.0339	0.0303	0.0419	0.0379	0.0241	0.0151	0	80- 85	0.0147	1422	100, 100
90	0.0265	0.0152	0.0152	0.0152	0.0055	0.0000	0	0	85- 90	0.0084	1422	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): 1402 lm

%lum = 98.6%

%lamp = 98.6%

Conical surface Flux(120deg): 1419.8 lm

%lum = 99.8%

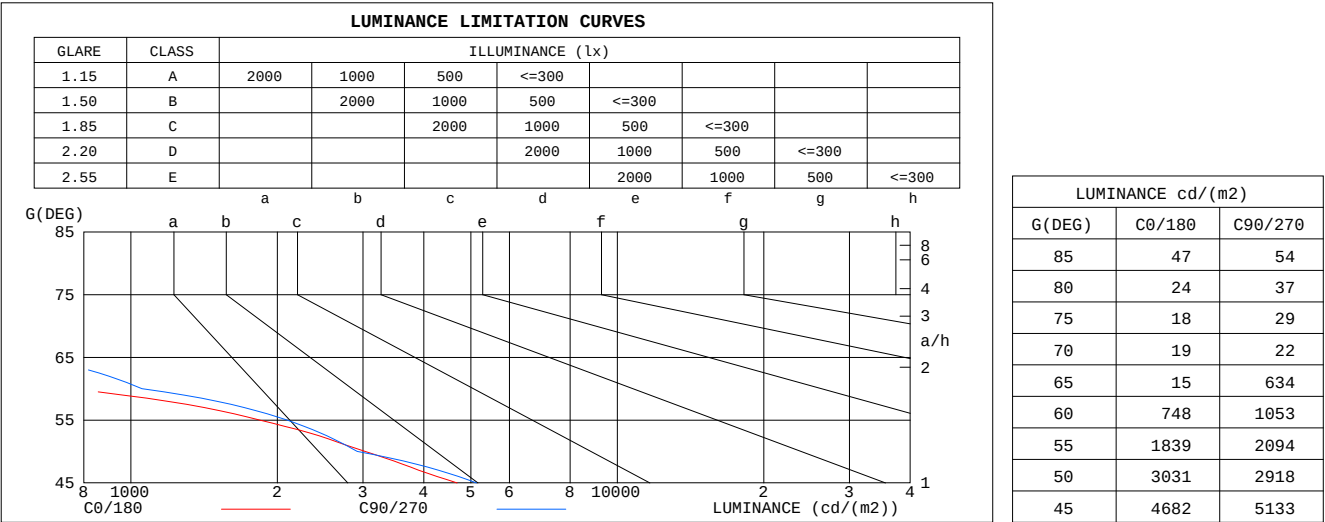
%lamp = 99.8%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-21

$V(B)$ 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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:



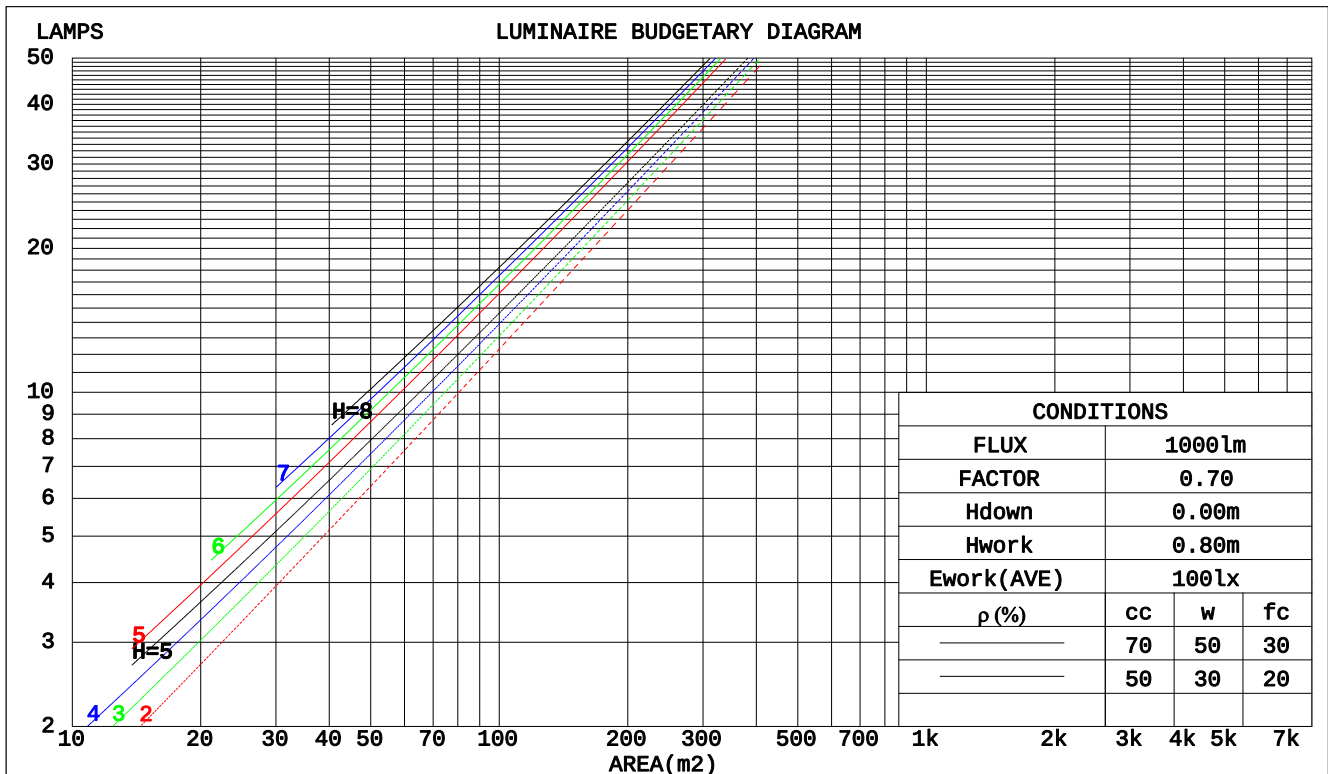
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
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SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	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	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.83	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.75
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.73
9.0	.80	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.71	.70
10.0	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm								
NAME: LED Grille Light				TYPE:recessed			WEIGHT:	
SPEC.:23W				DIM.: L280*W45*H43mm			SERIAL No.:GEN2026111.01	
MFR.: KOE Lighting Ltd.				SUR.:W25XL26X10			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	.146	.083	.026	.139	.079	.025	.127	.073	.023	.115	.067	.021	.105	.061	.020	
2.0	.137	.075	.023	.131	.072	.022	.121	.067	.021	.111	.062	.020	.102	.058	.018	
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017	
4.0	.121	.063	.018	.117	.061	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016	
5.0	.114	.058	.017	.111	.057	.017	.105	.055	.016	.099	.052	.016	.093	.050	.015	
6.0	.109	.054	.016	.106	.053	.015	.100	.051	.015	.095	.049	.015	.090	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.092	.047	.014	.087	.045	.013	
8.0	.099	.048	.014	.097	.048	.013	.092	.046	.013	.088	.045	.013	.085	.043	.013	
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.085	.043	.012	.082	.042	.012	
10.0	.091	.043	.012	.089	.043	.012	.086	.042	.012	.082	.041	.012	.080	.040	.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	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.039	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.088	.056	.035	.075	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.071	.045	.026	.050	.031	.019	.029	.019	.011	.009	.006	.004	

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm											
NAME: LED Grille Light					TYPE:recessed			WEIGHT:			
SPEC.:23W					DIM.: L280*W45*H43mm			SERIAL No.:GEN2026111.01			
MFR.: KOE Lighting Ltd.					SUR.:W25XL26X10			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		8.2	8.9	8.4	9.1	9.2	8.1	8.8	8.3	9.0	9.1
3H		8.0	8.7	8.3	8.9	9.1	7.9	8.6	8.2	8.8	9.0
4H		8.0	8.6	8.2	8.8	9.0	7.9	8.5	8.1	8.7	8.9
6H		7.9	8.5	8.2	8.7	8.9	7.8	8.4	8.1	8.6	8.8
8H		7.8	8.4	8.1	8.7	8.9	7.7	8.3	8.0	8.6	8.8
12H		7.8	8.3	8.1	8.6	8.9	7.7	8.2	8.0	8.5	8.8
4H	2H	8.1	8.7	8.3	8.9	9.1	7.9	8.6	8.2	8.8	9.0
	3H	7.9	8.4	8.2	8.7	9.0	7.8	8.4	8.1	8.6	8.9
	4H	7.8	8.3	8.1	8.6	8.9	7.7	8.2	8.0	8.5	8.8
	6H	7.7	8.1	8.1	8.5	8.8	7.6	8.0	8.0	8.4	8.7
	8H	7.6	8.0	8.0	8.4	8.8	7.5	8.0	7.9	8.3	8.7
	12H	7.6	8.0	8.0	8.3	8.7	7.5	7.9	7.9	8.2	8.6
8H	4H	7.6	8.0	8.0	8.4	8.8	7.5	8.0	7.9	8.3	8.7
	6H	7.5	7.9	7.9	8.3	8.7	7.4	7.8	7.9	8.2	8.6
	8H	7.5	7.8	7.9	8.2	8.6	7.4	7.7	7.8	8.1	8.5
	12H	7.4	7.7	7.9	8.1	8.6	7.3	7.6	7.8	8.0	8.5
12H	4H	7.6	8.0	8.0	8.3	8.7	7.5	7.9	7.9	8.2	8.6
	6H	7.5	7.8	7.9	8.2	8.6	7.4	7.7	7.8	8.1	8.5
	8H	7.4	7.7	7.9	8.1	8.6	7.3	7.6	7.8	8.0	8.5
Variations with the observer position at spacings:											
S = 1.0H		+ 2.6 / - 6.7				+ 3.1 / - 6.8					
1.5H		+ 3.7 / - 4.2				+ 4.7 / - 4.8					
2.0H		+ 4.0 / - 8.7				+ 3.7 / - 6.0					

CIE Pub.117, 1422 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.2$)

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Temperature:25.3DEG
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V(B) Range:-90 - 90DEG
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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:230.0V I:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
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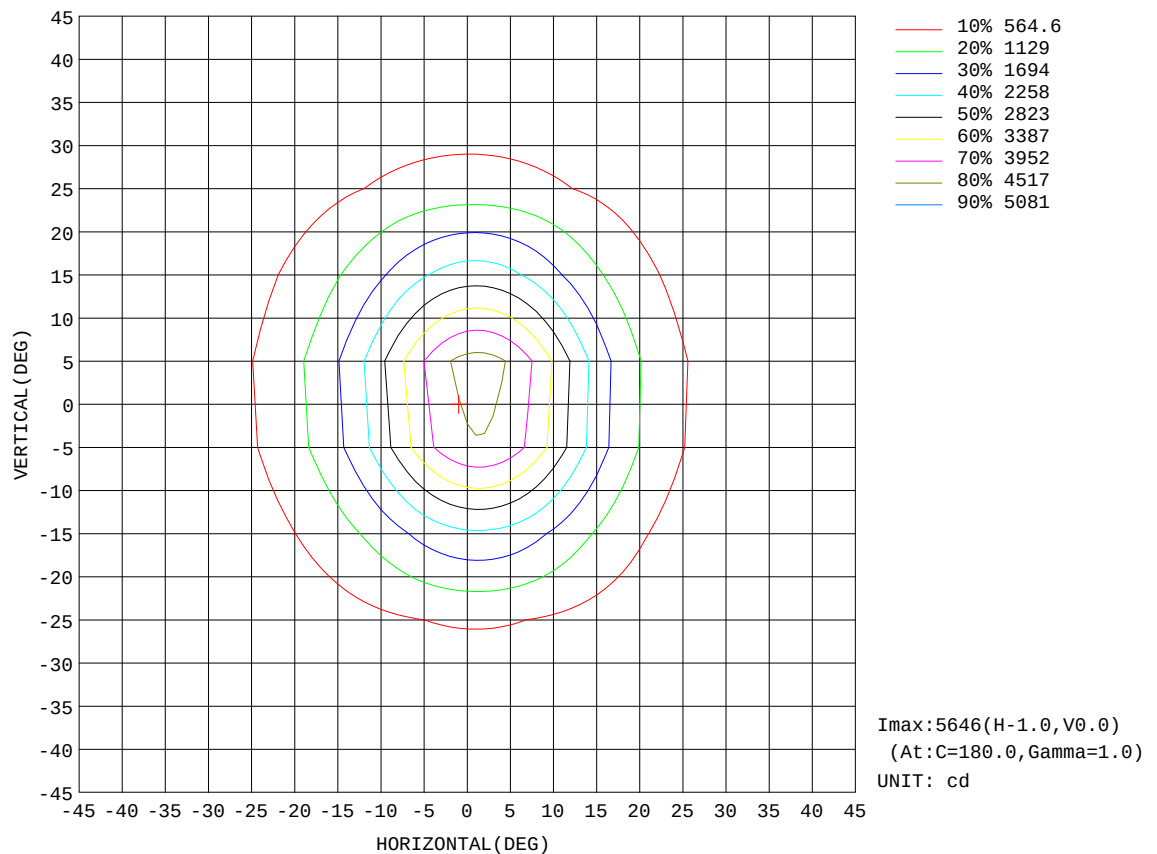
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	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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SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

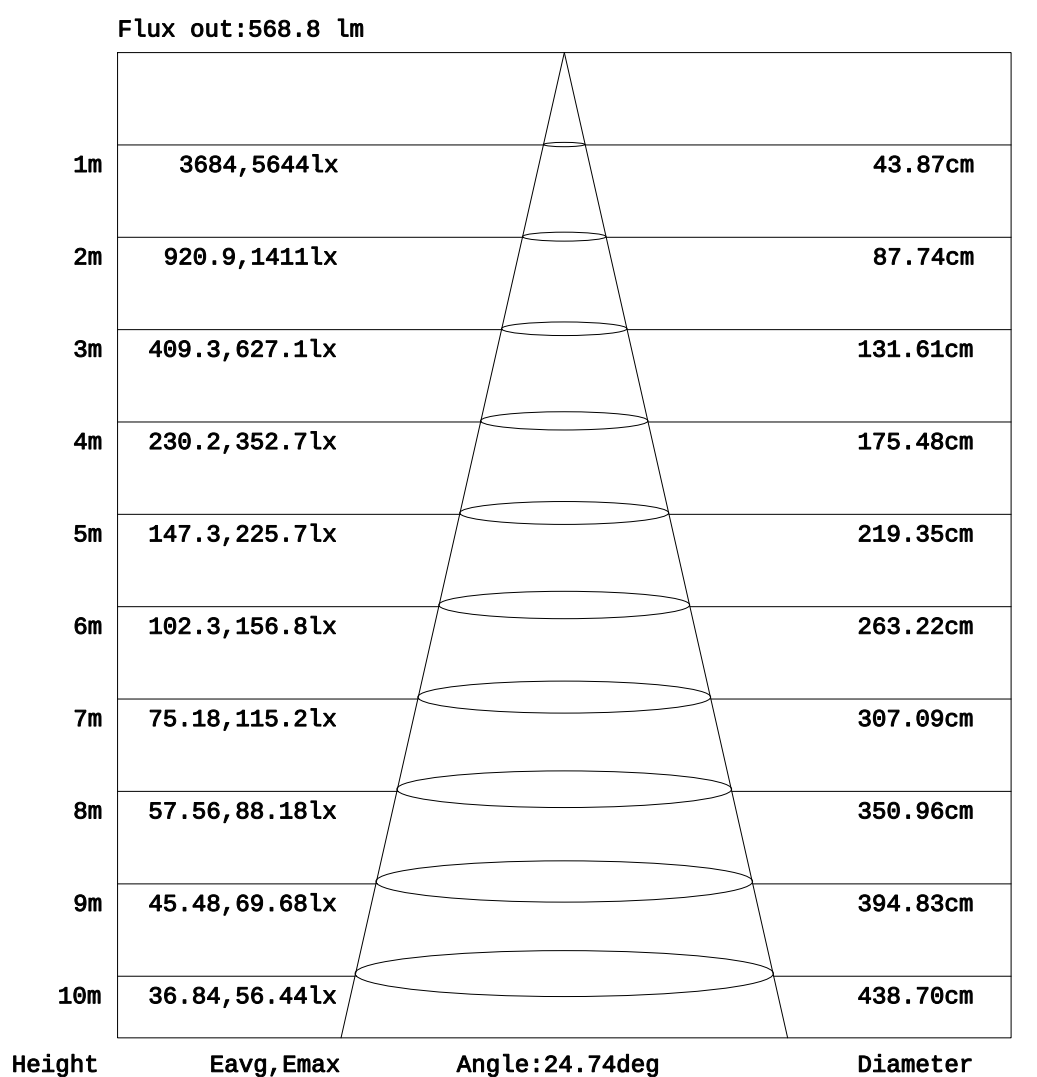


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:



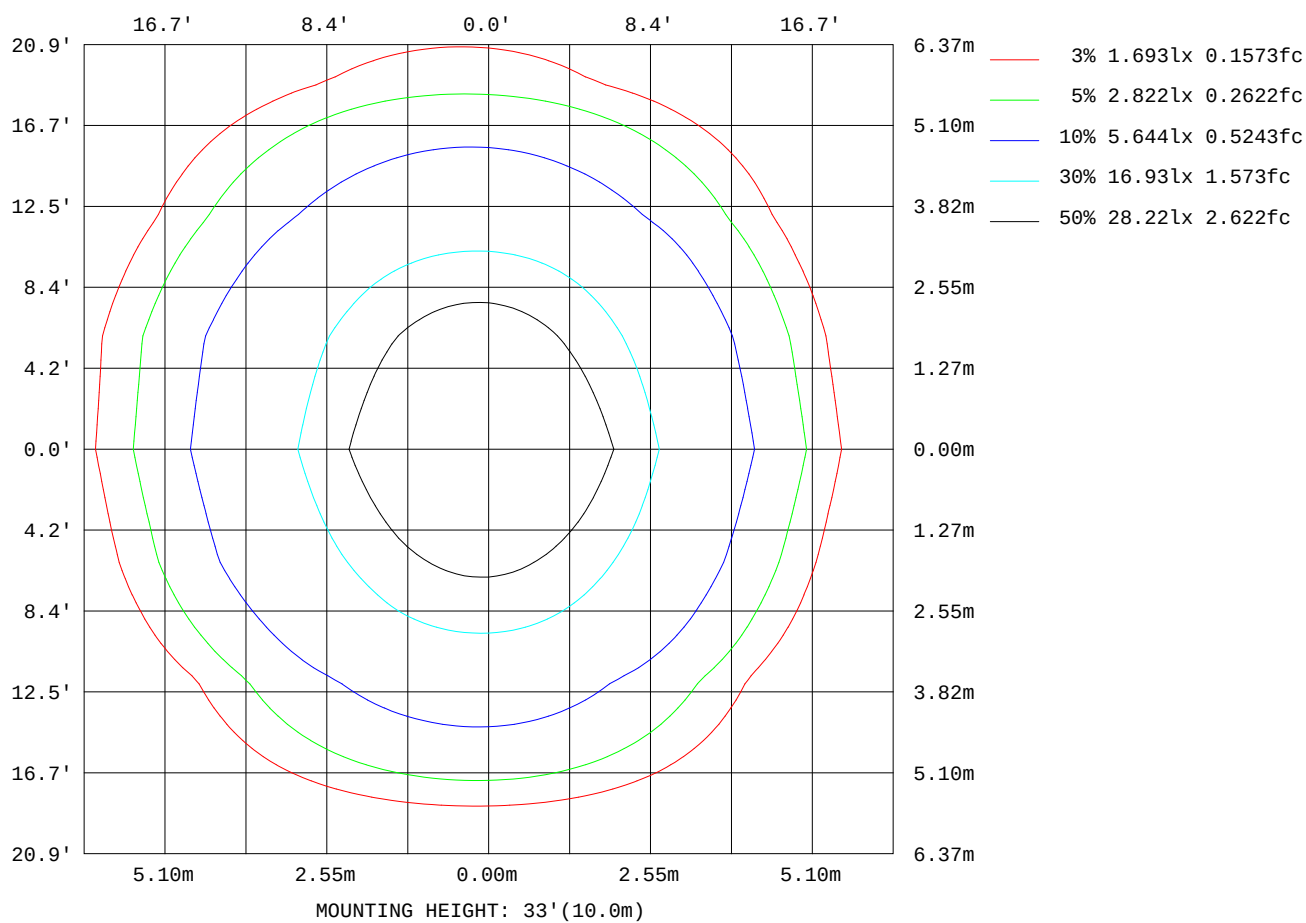
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

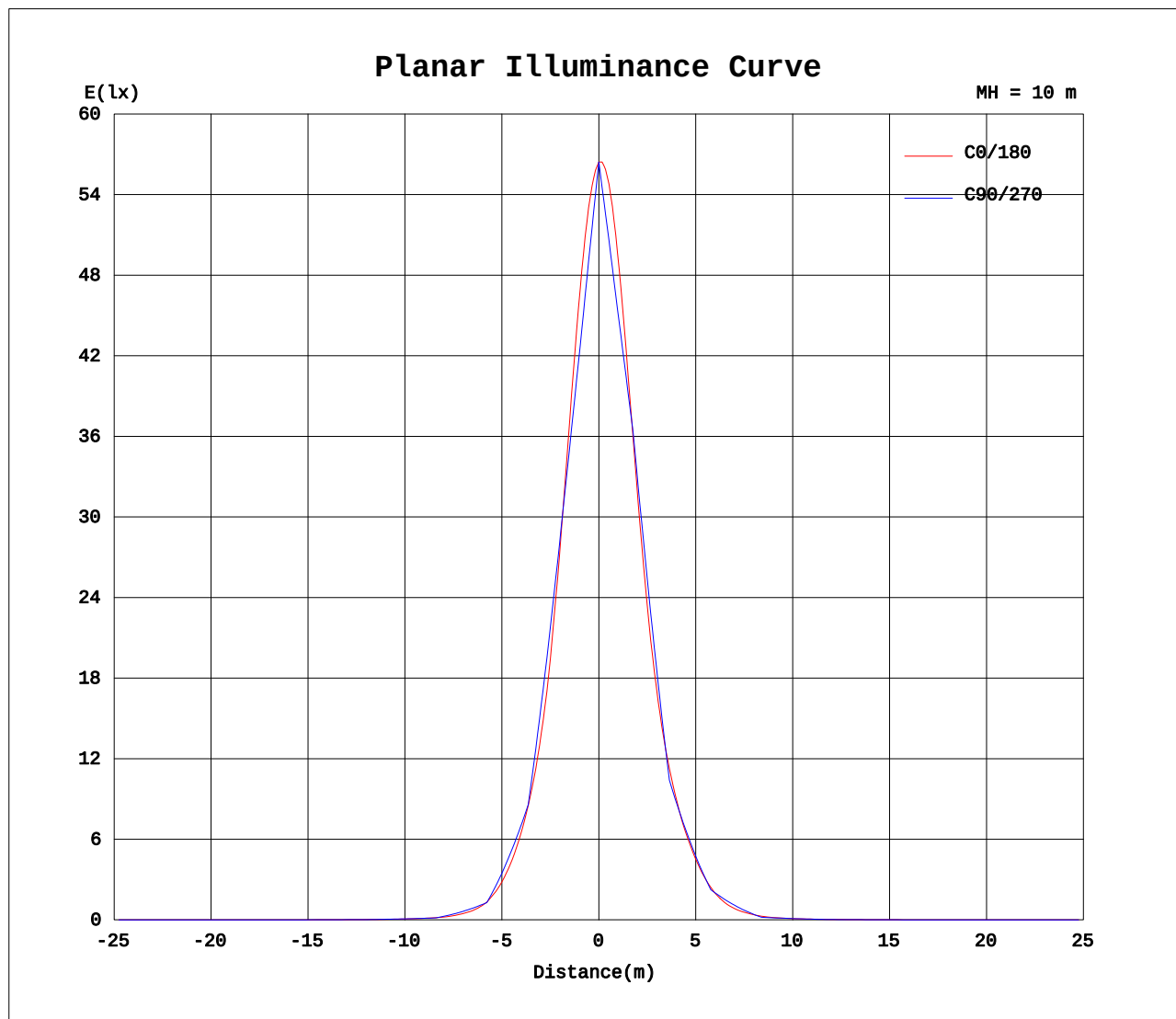
AvgL	cd/m2
L_0~180(65)av	123
L_0~180(75)av	26
L_0~180(85)av	57
L_90~270(65)av	685
L_90~270(75)av	25
L_90~270(85)av	40
L_45(65)av	1028
L_45(75)av	43
L_45(85)av	44

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:2025-02-21

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:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2025-02-21

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:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2025-02-21

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.1590A P:22.00W PF:0.5990 Freq:50.00Hz Lamp Flux:142.199x10 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:23W	DIM.: L280*W45*H43mm	SERIAL No.:GEN2026111.01
MFR.: KOE Lighting Ltd.	SUR.:W25XL26X10	Shielding Angle:

Table - - 4

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2025-02-21

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	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5481	5361	5324	5290	5259	5231	5206	5184	5162	5140
5.0	4892	4838	4792	4754	4722	4697	4677	4662	4645	4628
7.5	4178	4134	4106	4091	4088	4092	4102	4117	4128	4091
10.0	3360	3345	3353	3378	3418	3468	3516	3437	3368	3314
12.5	2573	2588	2628	2690	2774	2802	2714	2639	2574	2520
15.0	1888	1930	1998	2089	2160	2071	1990	1918	1848	1892
17.5	1399	1442	1508	1598	1557	1482	1412	1364	1434	1510
20.0	1026	1069	1135	1184	1105	1033	996.8	1060	1130	1204
22.5	741.6	783.6	843.9	833.3	762.1	698.6	748.9	814.4	886.0	864.2
25.0	512.2	553.4	612.9	564.3	499.7	500.6	557.2	620.4	592.5	551.9
27.5	336.8	375.0	420.3	361.2	307.6	352.4	407.8	395.0	355.7	315.8
30.0	295.6	241.7	264.5	219.2	206.7	246.4	261.2	228.6	194.5	235.2
32.5	131.7	155.1	160.9	132.0	142.3	172.6	154.0	121.2	144.4	176.2
35.0	86.96	104.0	103.3	86.93	102.0	106.7	89.06	91.38	109.5	116.7
37.5	55.76	70.98	67.10	62.27	75.71	68.07	61.28	71.29	76.57	69.84
40.0	38.52	47.89	43.44	45.09	52.29	44.13	48.93	54.54	49.91	44.11
42.5	28.31	34.68	30.16	33.90	34.78	32.61	39.87	38.25	34.24	37.05
45.0	21.52	26.26	21.90	26.47	23.99	26.53	29.43	26.40	29.03	31.02
47.5	16.52	19.75	17.17	20.09	17.82	22.03	20.91	21.85	24.71	23.50
50.0	12.66	14.96	13.70	14.76	14.70	16.41	15.74	18.52	18.54	17.05
52.5	9.638	11.21	10.97	10.68	12.29	11.94	13.26	14.25	13.16	14.43
55.0	6.856	8.168	8.664	7.586	9.548	9.084	10.89	10.09	11.01	11.97
57.5	4.555	5.449	6.465	5.808	6.327	7.384	7.472	7.905	9.070	8.683
60.0	2.431	3.041	3.695	4.244	3.727	5.161	4.858	6.375	6.176	6.001
62.5	0.5999	0.8212	1.208	2.052	2.332	2.225	3.486	3.711	3.868	4.511
65.0	0.0417	0.1082	0.0706	0.2816	0.9484	0.8159	1.602	1.569	2.634	2.749
67.5	0.0417	0.0662	0.0514	0.0509	0.0570	0.4108	0.0854	1.014	1.187	0.7170
70.0	0.0417	0.0602	0.0514	0.0298	0.0234	0.0659	0.0732	0.3663	0.0368	0.3768
72.5	0.0436	0.0538	0.0494	0.0070	0.0361	0.0391	0.0294	0.0300	0.0437	0.2669
75.0	0.0303	0.0381	0.0358	0.0190	0.0378	0.0183	0.0228	0.0391	0.0458	0.0792
77.5	0.0303	0.0299	0.0125	0.0391	0.0188	0.0173	0.0374	0.0467	0.0486	0.0473
80.0	0.0265	0.0308	0.0144	0.0236	0.0179	0.0379	0.0480	0.0451	0.0458	0.0447
82.5	0.0265	0.0199	0.0195	0.0157	0.0385	0.0384	0.0375	0.0375	0.0403	0.0421
85.0	0.0265	0.0148	0.0150	0.0295	0.0222	0.0171	0.0227	0.0307	0.0336	0.0339
87.5	0.0265	0.0140	0.0136	0.0043	0.0070	0.0139	0.0225	0.0234	0.0255	0.0245
90.0	0.0265	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5120	5104	5091	5081	5068	5056	5048	5044	5044	5039
5.0	4614	4599	4579	4564	4540	4516	4493	4465	4446	4417
7.5	4041	3999	3966	3941	3921	3910	3895	3884	3878	3861
10.0	3272	3245	3230	3226	3231	3245	3265	3288	3310	3323
12.5	2484	2499	2563	2619	2665	2699	2721	2733	2737	2732
15.0	1969	2042	2106	2158	2192	2207	2203	2187	2164	2132
17.5	1588	1663	1698	1685	1670	1649	1631	1612	1599	1586
20.0	1233	1214	1187	1153	1115	1079	1050	1034	1035	1051
22.5	831.2	788.8	733.4	741.4	773.1	797.3	813.4	822.4	826.3	826.9
25.0	499.5	516.5	555.7	587.0	609.6	622.4	626.2	623.4	617.6	610.6
27.5	359.7	399.1	430.3	445.6	438.8	429.7	420.0	412.4	408.6	407.7
30.0	273.0	298.1	290.9	274.6	253.4	230.9	212.2	201.1	199.7	207.2
32.5	189.0	179.4	155.5	120.4	132.0	142.5	150.6	156.0	158.6	158.6
35.0	109.4	84.30	88.39	97.30	105.6	112.2	116.4	118.0	117.6	115.9
37.5	58.66	64.91	71.32	77.29	79.21	79.18	78.23	77.03	76.28	76.05
40.0	48.37	52.84	54.20	52.79	49.59	44.88	39.78	36.07	34.95	36.58
42.5	39.96	38.92	35.98	30.51	28.74	28.84	28.90	29.10	29.27	29.32
45.0	29.60	26.35	24.31	24.31	24.17	23.94	23.72	23.68	23.59	23.50
47.5	21.04	20.83	20.61	20.26	19.57	18.83	18.25	17.99	17.89	17.92
50.0	17.76	17.64	16.86	15.77	14.64	13.57	12.74	12.29	12.19	12.38
52.5	14.95	13.99	12.83	11.35	10.65	10.29	10.06	10.00	10.00	10.02
55.0	11.29	10.20	9.684	9.136	8.633	8.237	7.974	7.872	7.809	7.807
57.5	7.932	7.970	7.726	7.158	6.591	6.142	5.836	5.674	5.616	5.655
60.0	6.242	6.172	5.676	5.047	4.485	4.023	3.689	3.476	3.424	3.509
62.5	4.496	4.043	3.491	2.984	2.886	2.755	2.655	2.590	2.582	2.611
65.0	2.425	2.105	2.231	2.205	2.076	1.930	1.821	1.754	1.740	1.763
67.5	1.246	1.516	1.540	1.433	1.256	1.097	0.9834	0.9133	0.8948	0.9162
70.0	0.8779	0.9233	0.7968	0.6149	0.4218	0.2602	0.1435	0.0729	0.0493	0.0692
72.5	0.3991	0.2747	0.0507	0.0487	0.0482	0.0478	0.0476	0.0474	0.0493	0.0446
75.0	0.0487	0.0479	0.0472	0.0466	0.0462	0.0459	0.0457	0.0455	0.0493	0.0436
77.5	0.0464	0.0456	0.0450	0.0445	0.0442	0.0439	0.0437	0.0436	0.0455	0.0445
80.0	0.0440	0.0433	0.0429	0.0425	0.0422	0.0420	0.0418	0.0417	0.0417	0.0455
82.5	0.0410	0.0394	0.0381	0.0371	0.0363	0.0358	0.0354	0.0351	0.0360	0.0380
85.0	0.0325	0.0313	0.0305	0.0298	0.0293	0.0289	0.0286	0.0285	0.0303	0.0304

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-21

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	0.0238	0.0233	0.0228	0.0225	0.0222	0.0220	0.0219	0.0218	0.0227	0.0228
90.0	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5038	5042	5051	5063	5074	5091	5113	5140	5173	5208
5.0	4398	4380	4368	4365	4363	4375	4394	4422	4464	4515
7.5	3845	3827	3798	3769	3735	3698	3660	3621	3612	3668
10.0	3329	3322	3304	3275	3233	3181	3121	3055	2989	2925
12.5	2725	2715	2708	2702	2701	2705	2666	2570	2478	2394
15.0	2103	2081	2065	2055	2050	2052	2055	2069	2065	1966
17.5	1575	1560	1541	1505	1466	1466	1493	1524	1560	1602
20.0	1075	1101	1119	1123	1114	1092	1062	1070	1121	1176
22.5	825.6	824.2	823.6	822.2	824.8	824.2	808.6	785.1	764.6	829.5
25.0	605.7	604.1	605.1	607.5	609.5	609.4	604.5	587.5	565.7	546.0
27.5	409.6	412.0	412.3	408.2	414.2	422.9	426.7	423.8	407.9	388.8
30.0	221.5	238.7	255.1	266.8	271.0	265.7	274.6	281.9	281.4	268.1
32.5	156.6	152.9	147.9	142.0	163.6	172.8	170.4	171.7	180.5	181.5
35.0	113.8	111.6	109.2	106.3	102.6	100.6	110.2	108.8	109.6	117.7
37.5	76.12	76.06	75.16	73.60	73.74	72.76	70.76	74.02	73.18	76.48
40.0	40.30	44.93	48.92	51.18	51.43	51.33	52.48	52.40	53.53	51.89
42.5	29.41	29.73	30.15	32.03	36.18	37.79	37.66	39.64	40.61	40.21
45.0	23.64	24.06	24.63	25.26	25.95	27.75	29.54	29.63	31.18	31.99
47.5	18.19	18.73	19.36	20.10	21.08	22.03	23.04	24.06	22.94	24.10
50.0	12.83	13.66	14.66	15.71	16.68	17.59	18.66	19.52	18.77	17.37
52.5	10.12	10.39	10.81	11.56	12.94	13.95	14.36	15.15	15.52	13.70
55.0	7.946	8.240	8.673	9.237	9.925	10.69	11.29	11.12	11.51	11.37
57.5	5.833	6.139	6.566	7.097	7.710	8.193	8.551	8.651	8.010	8.366
60.0	3.736	4.071	4.528	5.080	5.578	5.869	6.238	6.464	6.154	5.280
62.5	2.690	2.801	2.956	3.132	3.621	4.006	4.140	4.241	4.357	3.727
65.0	1.830	1.942	2.095	2.259	2.359	2.357	2.548	2.472	2.331	2.319
67.5	0.9824	1.095	1.247	1.399	1.508	1.557	1.461	1.166	0.9842	0.8397
70.0	0.1365	0.2536	0.4138	0.5956	0.7547	0.8349	0.7759	0.5183	0.1454	0.2175
72.5	0.0426	0.0424	0.0423	0.0420	0.0430	0.0418	0.0421	0.0421	0.0421	0.0421
75.0	0.0435	0.0434	0.0433	0.0430	0.0418	0.0401	0.0399	0.0399	0.0399	0.0399
77.5	0.0445	0.0444	0.0443	0.0441	0.0422	0.0434	0.0438	0.0418	0.0394	0.0417
80.0	0.0454	0.0454	0.0453	0.0451	0.0444	0.0481	0.0486	0.0470	0.0450	0.0423
82.5	0.0383	0.0387	0.0394	0.0402	0.0414	0.0474	0.0521	0.0523	0.0507	0.0486
85.0	0.0306	0.0309	0.0313	0.0319	0.0327	0.0361	0.0399	0.0419	0.0446	0.0480
87.5	0.0229	0.0230	0.0232	0.0235	0.0239	0.0256	0.0275	0.0286	0.0299	0.0317
90.0	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5244	5286	5331	5381	5434	5491	5549	5501	5456	5414
5.0	4574	4644	4727	4820	4924	5036	5158	5056	4963	4879
7.5	3737	3826	3932	4054	4193	4349	4522	4376	4247	4134
10.0	2869	2964	3086	3226	3385	3564	3765	3592	3441	3312
12.5	2317	2252	2316	2457	2616	2795	2997	2822	2671	2541
15.0	1875	1797	1729	1827	1970	2129	2311	2154	2021	1905
17.5	1533	1446	1372	1349	1475	1615	1773	1638	1522	1421
20.0	1234	1175	1096	1031	1103	1223	1360	1245	1147	1099
22.5	895.0	958.2	869.7	795.7	804.3	913.2	1037	934.6	847.4	864.6
25.0	615.1	683.0	680.5	601.3	562.2	661.2	775.6	681.8	604.0	670.0
27.5	386.8	451.3	509.8	436.3	374.4	454.9	555.0	472.7	411.8	502.8
30.0	251.2	274.0	322.1	304.9	251.6	293.9	374.9	309.0	284.3	364.2
32.5	170.0	156.7	194.6	207.8	165.7	184.6	241.3	193.2	190.2	257.0
35.0	118.3	106.6	114.8	136.4	113.2	117.3	153.6	122.4	128.7	167.3
37.5	82.59	77.49	70.62	86.79	78.27	74.00	102.6	76.04	87.51	102.9
40.0	56.44	59.17	48.84	54.94	53.18	45.78	62.68	46.62	57.20	61.24
42.5	37.90	42.41	36.61	34.90	37.64	31.14	41.21	31.57	39.45	37.05
45.0	28.51	28.82	28.76	23.79	28.37	22.43	29.34	22.71	29.31	24.80
47.5	23.02	19.78	22.43	18.11	20.74	17.23	21.88	17.44	21.32	18.77
50.0	18.32	15.80	16.03	14.63	15.07	13.35	16.44	13.51	15.45	15.14
52.5	13.25	13.12	11.26	11.91	10.89	10.27	12.47	10.40	11.15	12.30
55.0	9.463	10.12	8.344	9.502	7.558	7.747	9.265	7.858	7.755	9.839
57.5	7.714	6.722	6.675	6.299	4.962	5.639	6.642	5.727	5.115	6.564
60.0	5.797	4.424	4.882	3.466	3.433	3.821	4.437	3.894	3.576	3.687
62.5	3.051	3.229	2.205	1.648	2.040	2.157	2.484	2.243	2.188	1.852
65.0	1.375	1.435	0.5335	0.5970	0.6849	0.5314	0.6368	0.5832	0.7993	0.7575
67.5	0.3999	0.1640	0.1030	0.0548	0.0694	0.0428	0.0824	0.0520	0.0795	0.0753
70.0	0.0723	0.0419	0.0535	0.0433	0.0389	0.0445	0.0645	0.0481	0.0408	0.0440
72.5	0.0627	0.0466	0.0396	0.0546	0.0262	0.0454	0.0626	0.0451	0.0254	0.0510
75.0	0.0624	0.0588	0.0359	0.0381	0.0211	0.0471	0.0570	0.0470	0.0203	0.0296
77.5	0.0483	0.0575	0.0495	0.0184	0.0314	0.0400	0.0550	0.0430	0.0381	0.0027

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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	0.0388	0.0402	0.0468	0.0277	0.0206	0.0129	0.0455	0.0145	0.0210	0.0206
82.5	0.0459	0.0382	0.0289	0.0313	0.0118	0.0067	0.0436	0.0106	0.0085	0.0235
85.0	0.0528	0.0492	0.0277	0.0101	0.0245	0.0116	0.0379	0.0099	0.0203	0.0035
87.5	0.0341	0.0375	0.0386	0.0392	0.0187	0.0165	0.0190	0.0138	0.0134	0.0254
90.0	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0055	0.0000	0.0000	0.0000
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5374	5339	5307	5281	5254	5230	5210	5195	5185	5179
5.0	4806	4742	4691	4651	4618	4594	4582	4579	4580	4594
7.5	4039	3959	3896	3852	3822	3802	3930	3995	4056	4111
10.0	3204	3116	3057	3157	3260	3367	3469	3567	3658	3730
12.5	2430	2404	2522	2654	2795	2937	3078	3148	3145	3149
15.0	1839	1952	2081	2228	2395	2427	2418	2412	2412	2416
17.5	1479	1596	1733	1848	1816	1787	1765	1741	1752	1800
20.0	1199	1316	1414	1366	1320	1275	1277	1319	1350	1367
22.5	968.8	1092	1039	984.0	927.7	966.3	1005	1029	1033	1030
25.0	778.5	797.5	737.2	678.3	721.0	762.9	794.8	798.0	795.3	793.1
27.5	605.5	547.8	489.7	514.1	560.1	596.3	591.5	583.3	574.6	571.6
30.0	397.4	347.9	338.9	383.7	421.8	416.7	404.8	395.9	409.6	414.2
32.5	246.2	205.5	241.6	281.6	278.5	265.9	279.8	282.1	272.5	272.5
35.0	144.7	141.3	172.8	179.5	168.9	173.3	184.1	184.0	191.8	199.4
37.5	85.19	102.8	116.5	109.3	108.8	118.8	122.4	128.5	131.3	130.8
40.0	56.09	76.92	75.30	70.13	76.98	81.53	84.27	83.52	84.58	83.71
42.5	40.67	51.17	45.90	51.96	55.88	56.32	54.10	55.92	53.04	43.64
45.0	31.05	31.98	32.46	39.66	39.75	38.01	38.99	36.33	33.26	32.55
47.5	23.78	21.04	25.49	27.99	26.96	29.13	27.77	27.01	26.19	25.10
50.0	16.78	16.71	19.90	19.12	21.20	22.45	21.82	20.80	19.91	18.83
52.5	11.73	13.88	14.16	14.82	17.16	17.02	16.26	15.96	14.79	12.98
55.0	8.719	10.68	10.07	12.27	12.55	12.19	12.52	11.84	10.96	10.29
57.5	7.018	7.118	8.249	9.006	8.641	9.385	9.283	8.997	8.537	7.922
60.0	5.177	4.741	6.242	5.715	6.622	6.976	6.791	6.462	6.223	5.731
62.5	2.436	3.535	3.381	4.068	4.709	4.627	4.555	4.469	4.109	3.622
65.0	0.6800	1.681	1.641	2.588	2.591	2.785	2.880	2.710	2.711	2.604
67.5	0.1354	0.2307	0.5769	1.027	1.174	1.431	1.703	1.789	1.728	1.603
70.0	0.0463	0.0452	0.0892	0.2722	0.2818	0.7129	0.9190	0.9597	0.8590	0.6763
72.5	0.0247	0.0348	0.0524	0.0549	0.0742	0.2477	0.3830	0.2744	0.0395	0.0376
75.0	0.0169	0.0419	0.0447	0.0370	0.0325	0.0648	0.0377	0.0372	0.0369	0.0366
77.5	0.0317	0.0377	0.0233	0.0165	0.0218	0.0328	0.0354	0.0361	0.0358	0.0355
80.0	0.0303	0.0135	0.0055	0.0171	0.0243	0.0309	0.0341	0.0349	0.0347	0.0345
82.5	0.0041	0.0082	0.0197	0.0264	0.0311	0.0336	0.0333	0.0312	0.0295	0.0282
85.0	0.0155	0.0252	0.0339	0.0296	0.0264	0.0241	0.0222	0.0208	0.0197	0.0188
87.5	0.0210	0.0179	0.0170	0.0149	0.0133	0.0121	0.0111	0.0104	0.0098	0.0094
90.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5172	5166	5164	5167	5173	5172	5174	5180	5188	5197
5.0	4607	4627	4652	4673	4703	4721	4745	4762	4776	4789
7.5	4157	4199	4224	4242	4257	4255	4255	4255	4247	4248
10.0	3784	3819	3835	3832	3810	3770	3724	3674	3627	3588
12.5	3157	3163	3171	3175	3172	3157	3131	3089	3034	2963
15.0	2429	2448	2473	2503	2535	2554	2560	2550	2515	2456
17.5	1835	1859	1876	1885	1895	1902	1912	1921	1932	1936
20.0	1363	1343	1311	1278	1255	1246	1255	1280	1313	1347
22.5	1033	1036	1037	1037	1031	1020	999.9	972.3	938.7	900.7
25.0	792.4	793.9	797.9	803.1	807.6	808.0	801.7	786.5	763.2	733.0
27.5	580.9	584.4	584.1	581.4	578.3	575.7	574.7	574.6	575.1	576.2
30.0	409.0	396.3	379.6	362.2	348.9	342.8	344.8	353.0	365.7	378.6
32.5	278.5	281.3	281.2	279.0	274.5	266.8	255.6	240.3	220.3	196.0
35.0	202.2	202.4	201.5	200.8	200.0	198.1	193.9	185.7	173.0	155.1
37.5	133.5	131.9	128.2	124.8	123.0	123.1	124.8	126.2	126.1	120.8
40.0	78.20	68.08	57.28	49.29	46.02	48.24	55.25	64.54	72.99	77.58
42.5	39.57	38.91	38.38	38.18	38.04	37.73	37.38	37.00	36.45	39.07
45.0	31.68	30.85	30.21	29.96	30.07	30.16	30.19	30.33	30.32	29.98
47.5	24.16	23.25	22.47	22.07	22.04	22.19	22.58	23.32	24.16	24.75
50.0	17.43	16.01	14.86	14.22	14.01	14.21	14.93	16.11	17.51	18.87
52.5	12.13	11.73	11.51	11.47	11.50	11.53	11.63	11.90	12.29	13.13
55.0	9.737	9.312	9.042	8.936	8.993	9.096	9.246	9.567	10.02	10.57
57.5	7.399	6.965	6.663	6.510	6.499	6.597	6.807	7.191	7.715	8.359
60.0	5.161	4.670	4.307	4.093	4.004	4.098	4.361	4.790	5.349	5.996
62.5	3.416	3.234	3.107	3.040	3.013	3.049	3.147	3.314	3.524	3.687
65.0	2.420	2.239	2.113	2.042	2.023	2.056	2.154	2.312	2.523	2.718
67.5	1.436	1.259	1.129	1.056	1.032	1.063	1.154	1.306	1.515	1.754
70.0	0.4694	0.2836	0.1479	0.0719	0.0417	0.0696	0.1539	0.2963	0.4974	0.7428

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2025-02-21

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	0.0374	0.0372	0.0371	0.0406	0.0389	0.0371	0.0374	0.0378	0.0379	0.0392
75.0	0.0364	0.0362	0.0361	0.0364	0.0360	0.0323	0.0326	0.0323	0.0309	0.0309
77.5	0.0354	0.0352	0.0351	0.0352	0.0312	0.0276	0.0278	0.0244	0.0239	0.0213
80.0	0.0344	0.0343	0.0342	0.0341	0.0265	0.0228	0.0230	0.0162	0.0168	0.0112
82.5	0.0272	0.0265	0.0260	0.0257	0.0208	0.0171	0.0173	0.0127	0.0121	0.0064
85.0	0.0182	0.0177	0.0173	0.0171	0.0151	0.0114	0.0115	0.0098	0.0081	0.0044
87.5	0.0091	0.0088	0.0087	0.0086	0.0076	0.0057	0.0058	0.0049	0.0040	0.0021
90.0	0.0000	0.0000	0	0	0	0	0	0.0000	0.0000	0.0000
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	5643	5643	5643	5643	5643	5643	5643	5643	5643	5643
2.5	5201	5208	5217	5228	5242	5256	5268	5283	5301	5322
5.0	4792	4798	4797	4794	4794	4793	4789	4791	4798	4810
7.5	4251	4262	4282	4311	4325	4287	4246	4211	4182	4161
10.0	3557	3536	3530	3541	3568	3612	3669	3592	3514	3449
12.5	2880	2785	2734	2731	2752	2790	2842	2911	2859	2752
15.0	2376	2281	2177	2070	1997	2040	2092	2156	2230	2140
17.5	1933	1874	1768	1662	1560	1467	1496	1551	1613	1641
20.0	1374	1389	1394	1343	1245	1155	1075	1099	1158	1224
22.5	889.2	939.9	971.7	991.8	998.8	909.3	830.4	769.1	818.3	876.4
25.0	696.2	653.4	631.5	670.0	696.5	714.8	637.8	569.0	554.7	606.1
27.5	554.6	517.9	473.5	423.0	448.6	478.2	483.5	413.0	354.0	395.6
30.0	389.7	395.6	365.8	319.9	271.1	291.6	317.9	292.2	239.5	242.7
32.5	223.5	245.3	257.5	241.4	197.8	157.5	187.2	204.9	163.5	145.0
35.0	134.0	120.2	148.6	160.2	146.9	114.9	106.2	124.0	113.6	92.36
37.5	105.6	90.61	77.03	91.30	97.77	87.15	71.09	76.55	80.98	66.60
40.0	77.44	72.20	62.13	53.80	60.37	64.60	55.72	48.54	56.76	47.51
42.5	47.40	50.66	50.30	44.42	39.49	43.64	44.71	35.20	36.81	35.34
45.0	29.37	31.78	35.62	36.62	33.11	29.10	32.20	28.30	25.13	27.45
47.5	24.70	24.34	24.14	27.04	28.00	23.84	22.39	23.37	18.60	20.76
50.0	20.02	20.56	20.31	19.17	20.67	20.17	16.75	17.28	15.30	15.19
52.5	14.94	16.20	17.09	16.21	14.51	15.47	14.14	12.53	12.78	10.99
55.0	11.16	11.72	12.87	13.48	12.17	10.97	11.63	9.560	9.944	7.841
57.5	8.974	9.189	9.026	9.783	10.09	8.645	8.074	7.850	6.656	6.046
60.0	6.690	7.212	7.184	6.827	6.951	7.065	5.369	5.574	4.014	4.468
62.5	4.256	4.834	5.271	5.209	4.482	4.254	3.962	2.581	2.605	2.245
65.0	2.784	2.666	2.983	3.294	3.101	1.992	1.875	1.009	1.089	0.3177
67.5	1.913	1.912	1.631	1.066	1.408	1.274	0.1114	0.5138	0.0740	0.0575
70.0	0.9809	1.154	1.132	0.5925	0.0368	0.4625	0.0939	0.0740	0.0312	0.0353
72.5	0.0435	0.3293	0.5041	0.4041	0.0474	0.0189	0.0233	0.0349	0.0382	0.0110
75.0	0.0321	0.0346	0.0387	0.0955	0.0406	0.0283	0.0106	0.0125	0.0334	0.0182
77.5	0.0216	0.0233	0.0256	0.0309	0.0377	0.0387	0.0246	0.0086	0.0123	0.0255
80.0	0.0098	0.0098	0.0124	0.0167	0.0223	0.0296	0.0357	0.0262	0.0083	0.0113
82.5	0.0034	0.0003	0	0.0023	0.0066	0.0122	0.0180	0.0233	0.0251	0.0069
85.0	0.0024	0.0015	0	0	0	0	0	0.0061	0.0132	0.0197
87.5	0.0011	0.0011	0	0	0	0	0	0	0	0
90.0	0.0000	0.0000	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	5643	5643								
2.5	5346	5372								
5.0	4830	4857								
7.5	4152	4157								
10.0	3399	3368								
12.5	2667	2607								
15.0	2031	1946								
17.5	1536	1456								
20.0	1162	1083								
22.5	873.3	798.2								
25.0	642.4	567.9								
27.5	446.0	387.6								
30.0	282.2	250.7								
32.5	170.6	160.7								
35.0	107.5	105.2								
37.5	69.79	72.79								
40.0	44.70	48.69								
42.5	30.90	35.15								
45.0	22.38	26.56								
47.5	17.53	19.96								
50.0	13.99	15.11								
52.5	11.20	11.33								
55.0	8.862	8.260								
57.5	6.638	5.526								
60.0	3.845	3.111								
62.5	1.305	0.8617								

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2025-02-21

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:

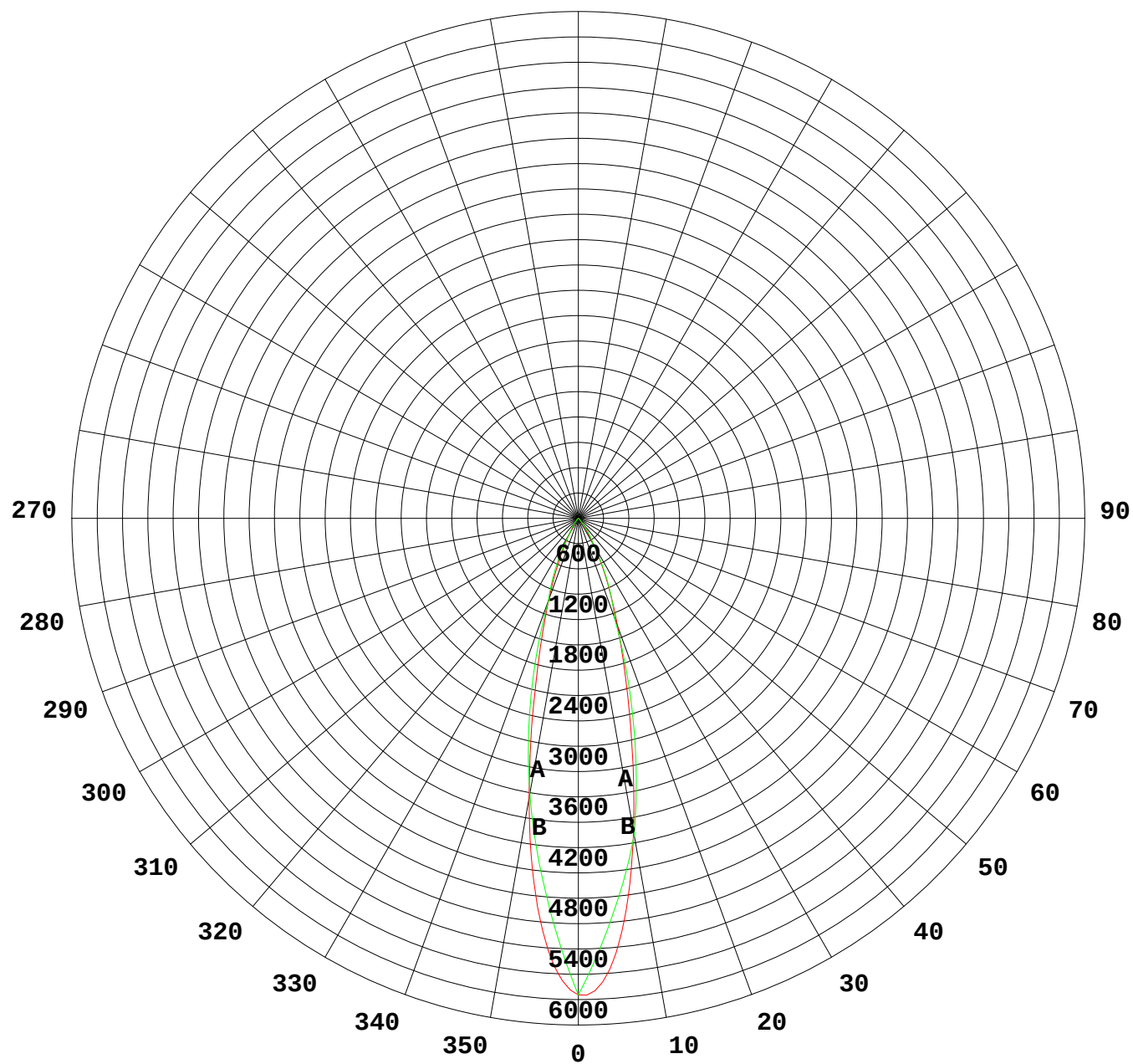
Photometric Data Table [cd]

65.0	0.0601	0.1073
67.5	0.0406	0.0580
70.0	0.0442	0.0491
72.5	0.0474	0.0406
75.0	0.0370	0.0269
77.5	0.0156	0.0225
80.0	0.0130	0.0335
82.5	0.0136	0.0262
85.0	0.0062	0.0131
87.5	0.0078	0.0059
90.0	0	0

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2025-02-21

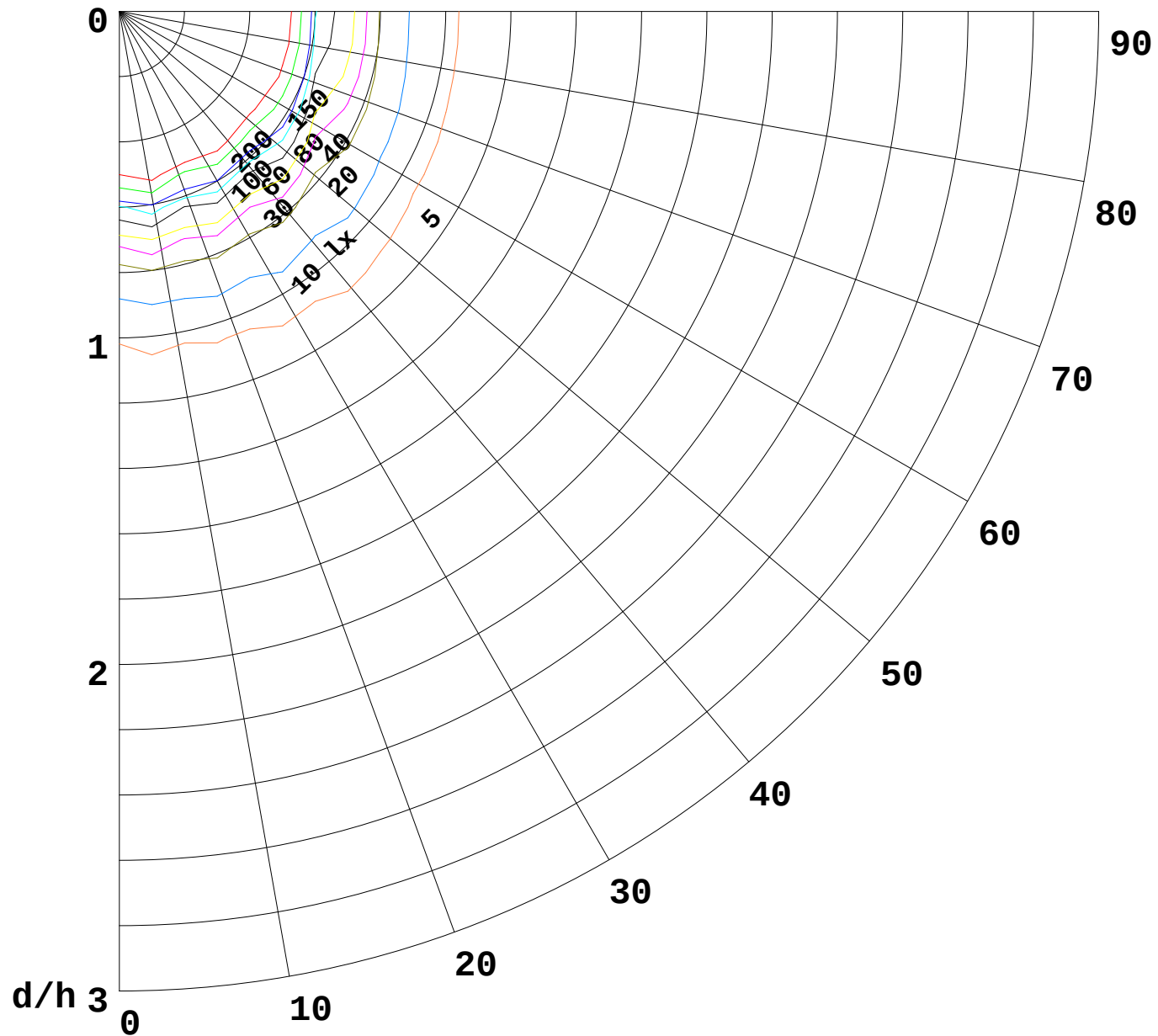
V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

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

