

TEST REPORT

Report reference No.....	GEN2026072.01								
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-FA6S1 SBK 3000K[CRI90] W24D (LP200-7-48V 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	6W	6	480	470	F	1800	50000	3000K	24

Power supply	LP200-7-48V U23
Light model	SMD LED PH-XYD-2835-3C2B-V2.0 9V 1W,3000K(W) 6PCS,113.5x15.2x1.0<CRI90>, 610LM

Light Output Ratio:	79%	
Luminaire Power:	6.19W	
SUR.:	0.0012 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:2026-07-29

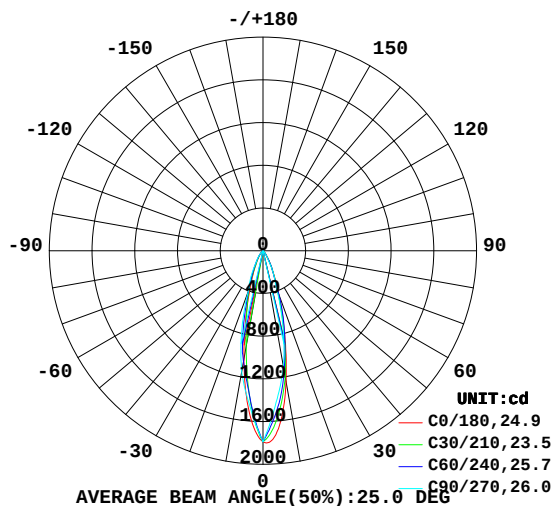
V(B) Range: -90 - 90DEG
V(B) Interval:5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

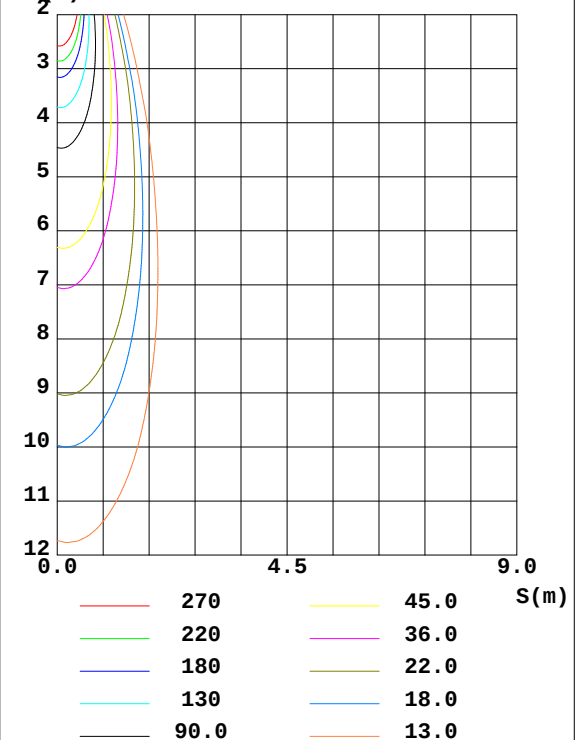
Test:U:48.00V I:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.08 lm/W			
MODEL PH-XYD-2835-3C2B-V2.0		I _{max} (cd)	1801	S/MH(C0/180)	0.39
NOMINAL POWER(W)	5.3	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	27	TOTAL FLUX(lm)	483.48	η UP, DN(C0-180)	0.0, 47.9
NOMINAL FLUX(lm)	80.5794	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.1
LAMPS INSIDE	6	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:2026-07-29

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	1671	1531	1424	1360	1508	1383	1451	1543	0- 5	38.06	38.06	7.87,7.87
10	1244	1163	1103	927.4	1032	979.7	1152	1171	5- 10	90.10	128.2	26.5,26.5
15	772.7	745.2	718.6	601.1	604.8	673.6	769.3	753.7	10- 15	103.6	231.7	47.9,47.9
20	429.2	453.4	355.6	315.5	335.7	372.2	401.4	470.1	15- 20	86.01	318.7	65.9,65.9
25	229.5	227.7	223.6	170.3	192.3	216.8	266.0	245.4	20- 25	61.29	379.9	78.6,78.6
30	124.7	117.2	96.18	94.48	114.3	128.1	132.8	136.1	25- 30	41.80	421.7	87.2,87.2
35	69.62	64.35	59.74	51.18	69.70	75.49	88.87	82.01	30- 35	26.70	448.4	92.8,92.8
40	39.38	29.38	23.60	27.43	41.50	45.76	44.80	42.31	35- 40	17.27	465.7	96.3,96.3
45	20.01	16.59	13.83	12.64	18.81	20.73	25.52	23.49	40- 45	10.00	475.7	98.4,98.4
50	6.882	5.220	4.168	4.195	5.708	6.628	6.408	6.958	45- 50	4.851	480.6	99.4,99.4
55	2.379	2.675	2.401	1.750	1.822	2.284	3.683	3.379	50- 55	1.772	482.3	99.8,99.8
60	0.9517	0.8352	0.6841	0.6149	0.8336	0.7435	0.9927	0.9436	55- 60	0.7156	483.1	99.9,99.9
65	0.4499	0.3849	0.3431	0.2493	0.3944	0.3232	0.5180	0.4684	60- 65	0.2980	483.4	100,100
70	0.0332	0.0879	0	0.0488	0.0241	0.0748	0.0435	0.1406	65- 70	0.1085	483.5	100,100
75	0	0.0081	0	0.0025	0.0040	0.0035	0.0217	0.0131	70- 75	0.0108	483.5	100,100
80	0	0	0	0	0	0	0	0	75- 80	0.0007	483.5	100,100
85	0	0	0	0	0	0	0	0	80- 85	0.0002	483.5	100,100
90	0	0	0	0	0	0	0	0	85- 90	0.0002	483.5	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): 475.72 lm

%lum = 98.4%

%lamp = 98.4%

Conical surface Flux(120deg): 483.06 lm

%lum = 99.9%

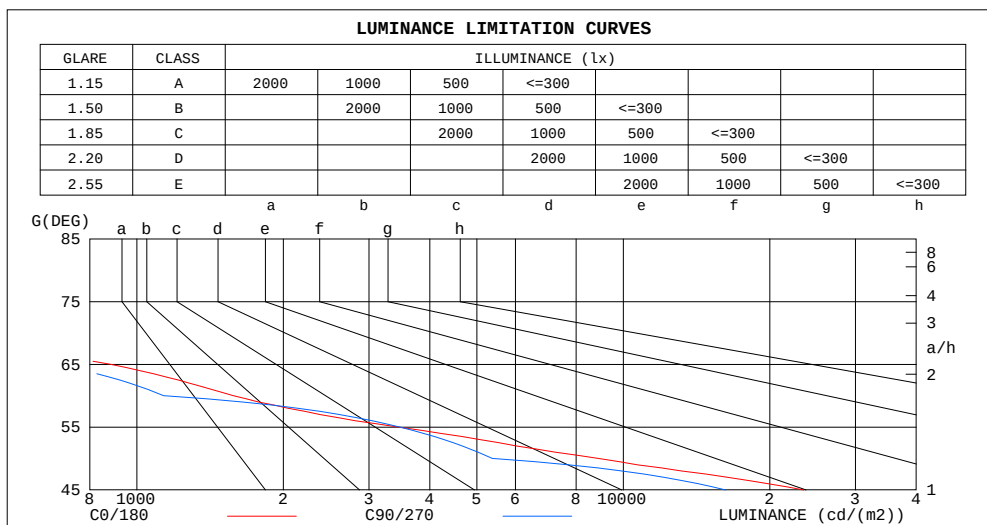
%lamp = 99.9%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-07-29

$V(B)$ 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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	81	0
65	883	673
60	1578	1135
55	3440	3471
50	8878	5376
45	23467	16223

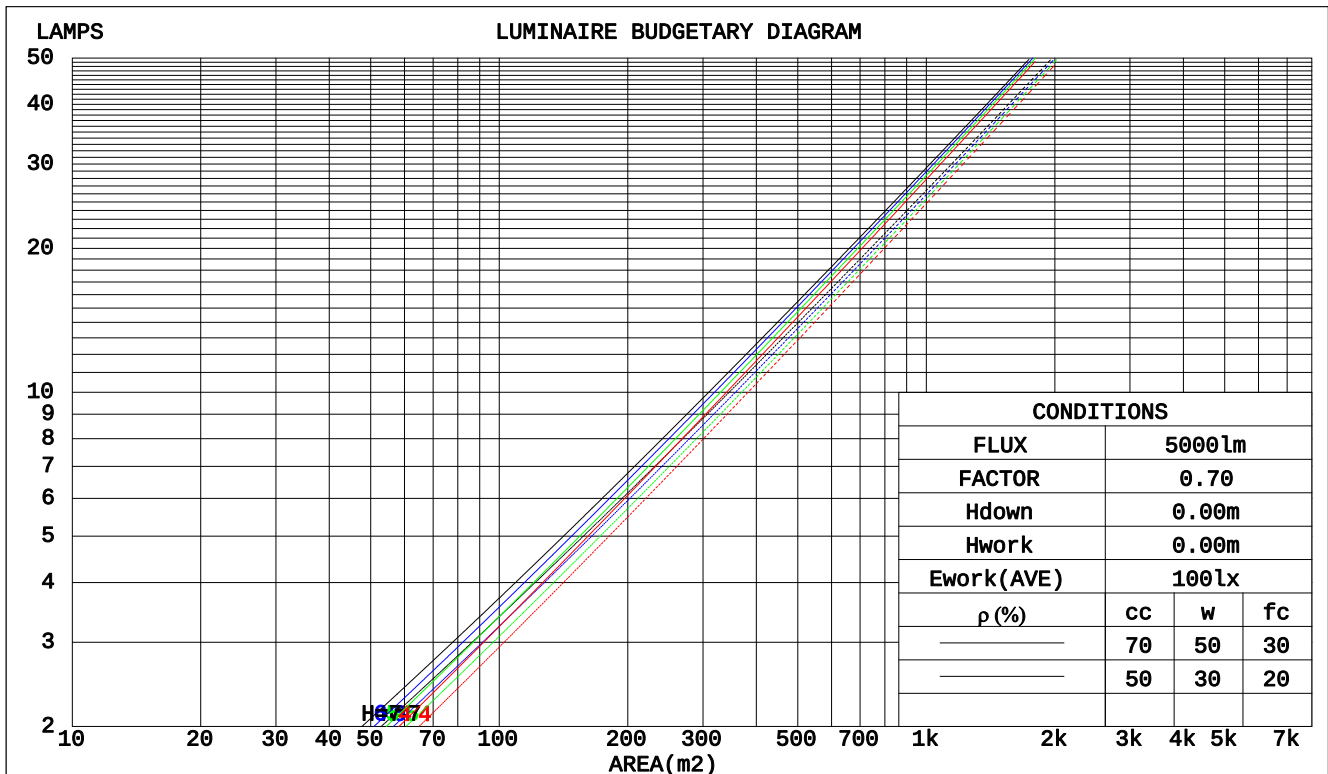
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	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	.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	.99	1.04	1.01	.99	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.91
3.0	1.01	.97	.93	.99	.96	.93	.97	.94	.91	.95	.92	.90	.92	.90	.89	.87
4.0	.96	.91	.88	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.83
5.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
6.0	.88	.83	.79	.87	.82	.79	.86	.82	.79	.84	.81	.78	.83	.80	.78	.77
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.75	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.78	.74	.72	.71
9.0	.78	.73	.70	.77	.73	.70	.77	.72	.70	.76	.72	.69	.75	.72	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.70	.67	.73	.69	.67	.66



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-29

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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm								
NAME: LED Grille Light				TYPE:fixed			WEIGHT:80g	
SPEC.:6W				DIM.: L119*W23*H27mm			SERIAL No.:GEN2026072.01	
MFR.: KOE Lighting Ltd.				SUR.:D16X6			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	.150	.085	.027	.144	.082	.026	.131	.075	.024	.120	.069	.022	.109	.063	.020	
2.0	.141	.077	.024	.136	.075	.023	.125	.070	.022	.116	.065	.020	.107	.061	.019	
3.0	.133	.071	.021	.128	.069	.021	.120	.065	.020	.112	.061	.019	.104	.058	.018	
4.0	.126	.065	.019	.122	.064	.019	.114	.061	.018	.107	.058	.017	.101	.055	.017	
5.0	.119	.061	.018	.116	.059	.017	.109	.057	.017	.103	.055	.016	.098	.052	.016	
6.0	.113	.057	.016	.110	.056	.016	.105	.054	.016	.100	.052	.015	.095	.050	.015	
7.0	.108	.053	.015	.105	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	
8.0	.103	.050	.014	.101	.050	.014	.097	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.095	.045	.013	.093	.045	.013	.090	.044	.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	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.100	.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	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.100	.075	.055	.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	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.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	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.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:2026-07-29

$V(B)$ 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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm											
NAME: LED Grille Light					TYPE:fixed			WEIGHT:80g			
SPEC.:6W					DIM.: L119*W23*H27mm			SERIAL No.:GEN2026072.01			
MFR.: KOE Lighting Ltd.					SUR.:D16X6			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		18.4	19.1	18.6	19.3	19.5	17.1	17.8	17.3	18.0	18.1
	3H	18.2	18.9	18.5	19.1	19.3	16.9	17.6	17.1	17.8	18.0
	4H	18.2	18.8	18.4	19.0	19.2	16.8	17.5	17.1	17.7	17.9
	6H	18.1	18.7	18.4	18.9	19.2	16.7	17.4	17.0	17.6	17.8
	8H	18.0	18.6	18.3	18.9	19.1	16.7	17.3	17.0	17.5	17.8
	12H	18.0	18.6	18.3	18.8	19.1	16.6	17.2	17.0	17.5	17.7
4H	2H	18.2	18.8	18.4	19.0	19.2	16.8	17.5	17.1	17.7	17.9
	3H	18.0	18.6	18.3	18.8	19.1	16.7	17.2	17.0	17.5	17.8
	4H	17.9	18.4	18.2	18.7	19.0	16.6	17.1	16.9	17.4	17.7
	6H	17.8	18.3	18.2	18.6	18.9	16.5	16.9	16.8	17.3	17.6
	8H	17.7	18.2	18.1	18.5	18.9	16.4	16.8	16.8	17.2	17.5
	12H	17.7	18.1	18.1	18.4	18.8	16.4	16.7	16.8	17.1	17.5
8H	4H	17.7	18.2	18.1	18.5	18.9	16.4	16.8	16.8	17.2	17.5
	6H	17.6	18.0	18.1	18.4	18.8	16.3	16.7	16.7	17.0	17.5
	8H	17.6	17.9	18.0	18.3	18.7	16.2	16.6	16.7	17.0	17.4
	12H	17.5	17.8	18.0	18.2	18.7	16.2	16.4	16.6	16.9	17.4
12H	4H	17.7	18.1	18.1	18.4	18.8	16.4	16.7	16.8	17.1	17.5
	6H	17.6	17.9	18.0	18.3	18.7	16.2	16.6	16.7	17.0	17.4
	8H	17.5	17.8	18.0	18.2	18.7	16.2	16.4	16.6	16.9	17.4
Variations with the observer position at spacings:											
S = 1.0H	+ 3.2 / -13.9					+ 2.9 / -12.5					
1.5H	+ 5.0 / -10.5					+ 4.8 / -10.7					
2.0H	+ 6.9 / -11.9					+ 6.2 / -13.5					

CIE Pub.117, 483.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-29

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

UTILIZATION FACTORS TABLE

Test:U:48.00V I:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
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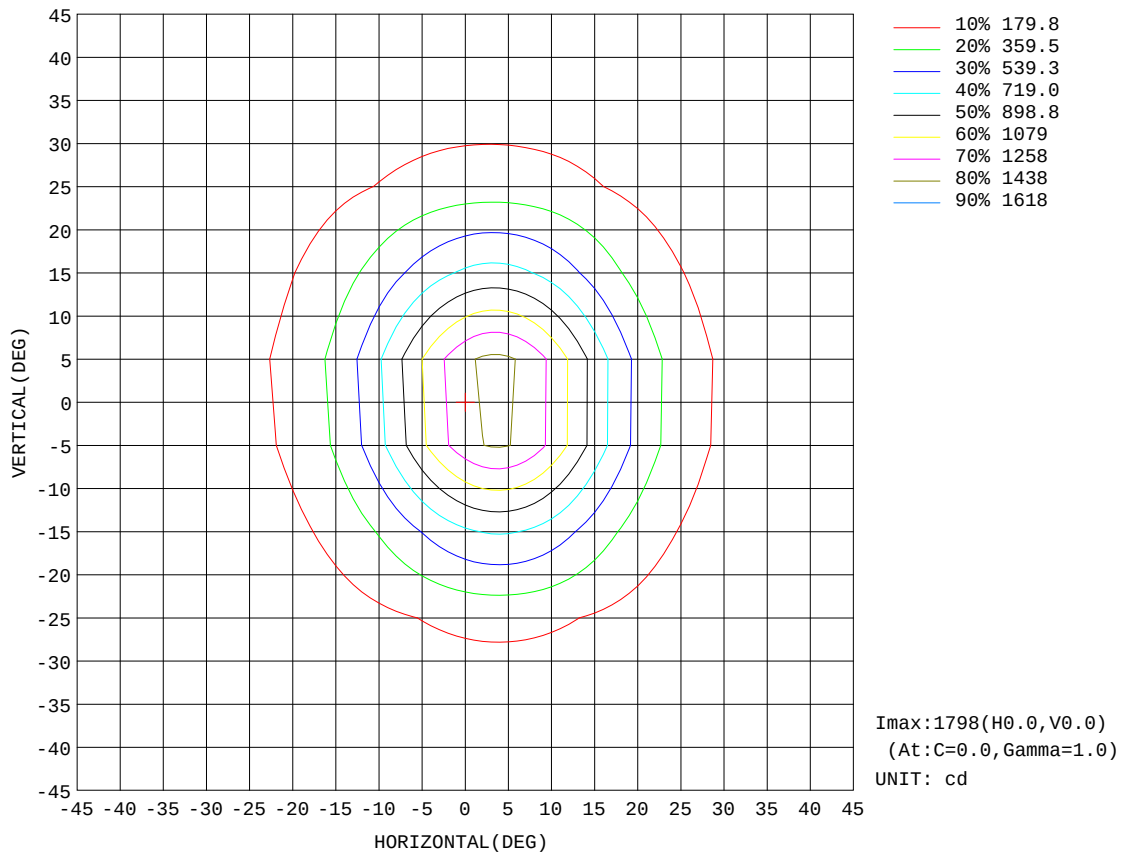
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	79	76
0.80	96	91	87	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	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	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	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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V(B) Range:-90 - 90DEG
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 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
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ISOCANDELA DIAGRAM

Test:U:48.00V I:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...

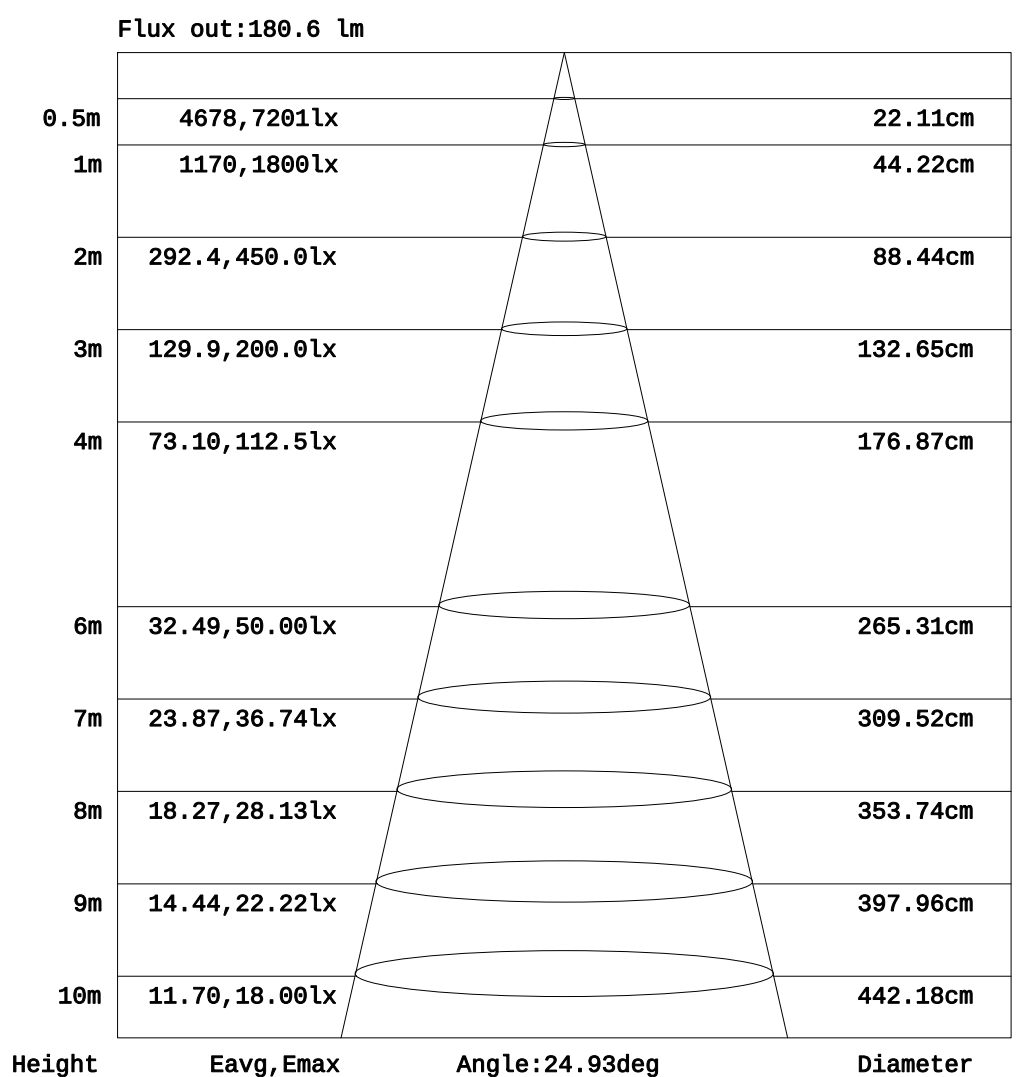


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-29

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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...



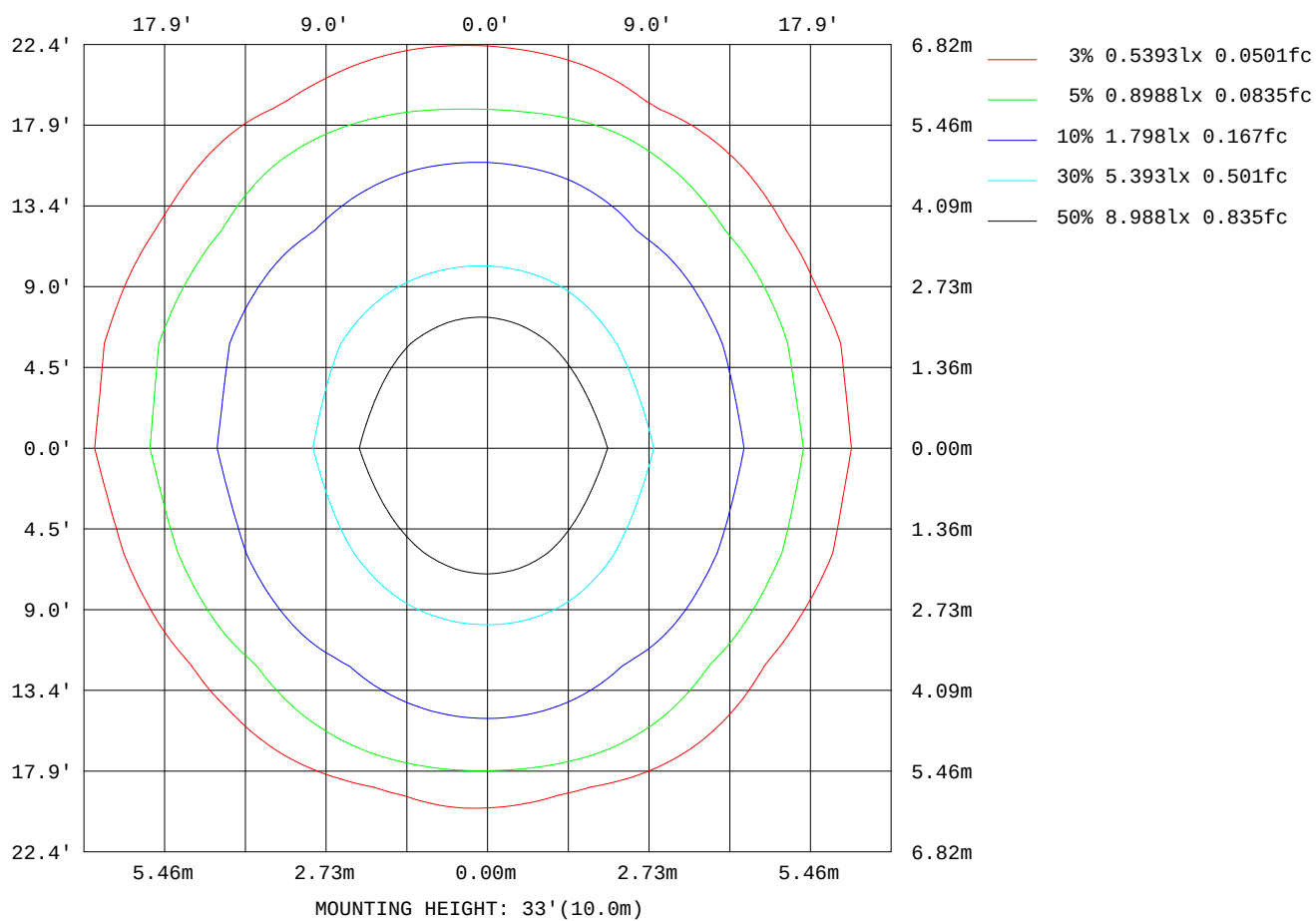
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-29

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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-07-29

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

LED Avg.L Report

Test:U:48.00V I:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...

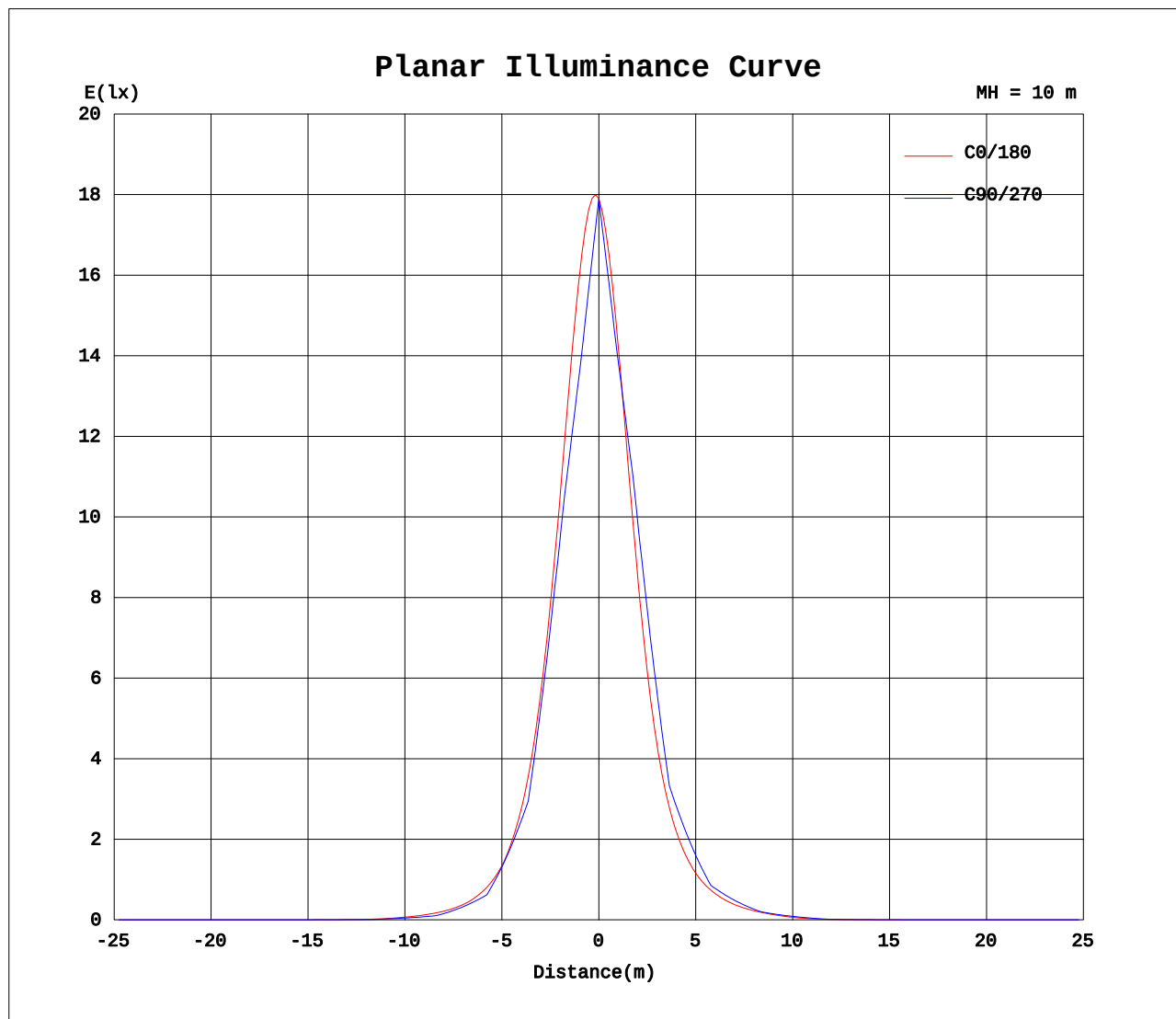
AvgL	cd/m2
L_0~180(65)av	828
L_0~180(75)av	6
L_0~180(85)av	0
L_90~270(65)av	845
L_90~270(75)av	35
L_90~270(85)av	0
L_45(65)av	699
L_45(75)av	22
L_45(85)av	0

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:2026-07-29

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:2026-07-29

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:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	Shielding Angle:...

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-07-29

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:48.00V I:0.1290A P:6.192W PF:1.000 Freq:0Hz Lamp Flux:80.5794x6 lm		
NAME: LED Grille Light	TYPE:fixed	WEIGHT:80g
SPEC.:6W	DIM.: L119*W23*H27mm	SERIAL No.:GEN2026072.01
MFR.: KOE Lighting Ltd.	SUR.:D16X6	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:2026-07-29

```
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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1782	1768	1754	1741	1729	1717	1706	1696	1686	1675
5.0	1671	1649	1628	1610	1594	1579	1566	1555	1543	1531
7.5	1480	1456	1436	1421	1409	1399	1392	1386	1380	1369
10.0	1244	1223	1209	1201	1198	1199	1200	1184	1172	1163
12.5	999.0	983.0	975.2	974.8	981.2	981.9	967.0	956.7	949.5	945.6
15.0	772.7	762.7	761.9	768.8	775.5	758.4	746.3	738.8	735.1	745.2
17.5	582.5	576.6	579.1	589.6	579.0	564.6	554.8	552.9	569.1	585.2
20.0	429.2	427.1	433.1	438.7	422.9	410.6	405.2	419.5	436.3	453.4
22.5	316.4	315.9	321.8	318.1	304.8	294.3	304.4	317.9	332.7	330.1
25.0	229.5	231.7	239.5	230.2	219.9	219.5	228.6	240.4	235.9	227.7
27.5	168.3	170.4	175.7	166.8	159.5	164.2	172.1	169.2	161.4	152.2
30.0	124.7	127.5	129.9	122.5	119.5	123.2	123.5	116.4	110.0	117.2
32.5	93.37	96.10	96.07	90.64	90.66	92.80	86.11	78.16	83.82	89.47
35.0	69.62	71.95	70.62	66.37	68.26	66.53	59.09	59.63	63.69	64.35
37.5	52.35	54.50	52.34	49.98	51.38	46.88	43.33	45.66	46.45	43.17
40.0	39.38	41.40	39.02	38.01	37.86	33.32	33.37	34.32	31.94	29.38
42.5	28.96	31.14	28.45	28.67	26.90	24.59	25.76	24.11	21.71	22.65
45.0	20.01	22.26	19.39	20.57	17.86	17.99	17.92	15.72	16.37	16.59
47.5	12.06	14.01	12.12	13.36	10.87	12.62	10.90	11.04	11.81	10.31
50.0	6.882	8.104	7.465	7.665	7.104	7.518	6.449	7.486	7.029	5.220
52.5	4.079	4.599	4.450	4.148	4.546	4.024	4.311	4.481	3.262	3.815
55.0	2.379	2.693	2.728	2.273	2.738	2.331	2.742	2.241	2.341	2.675
57.5	1.436	1.567	1.690	1.491	1.543	1.600	1.516	1.401	1.664	1.563
60.0	0.9517	1.035	1.052	1.056	0.9763	1.054	0.8859	1.028	1.006	0.8352
62.5	0.6771	0.7346	0.6954	0.7476	0.7225	0.6515	0.6709	0.6701	0.5949	0.6084
65.0	0.4499	0.5073	0.4411	0.4887	0.4820	0.4364	0.4516	0.4130	0.4116	0.3849
67.5	0.2353	0.3050	0.2729	0.2838	0.2199	0.2723	0.2446	0.2502	0.2051	0.1536
70.0	0.0332	0.1161	0.1169	0.1199	0.0914	0.0756	0.1376	0.0948	0.0191	0.0879
72.5	0	0.0154	0.0104	0.0243	0.0220	0.0172	0.0432	0	0.0093	0.0476
75.0	0	0.0020	0.0034	0.0331	0.0017	0.0028	0	0	0.0022	0.0081
77.5	0	0.0000	0.0007	0.0021	0.0012	0	0	0	0.0003	0
80.0	0	0	0	0.0023	0.0032	0	0.0002	0.0012	0.0018	0
82.5	0	0	0.0014	0.0028	0.0006	0.0021	0.0021	0.0028	0.0033	0
85.0	0	0	0.0182	0.0010	0.0045	0.0066	0.0052	0.0034	0.0031	0
87.5	0	0	0.0061	0.0076	0.0058	0.0047	0.0020	0.0017	0.0015	0
90.0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1665	1656	1648	1640	1632	1624	1617	1611	1607	1601
5.0	1521	1510	1498	1487	1474	1461	1449	1435	1424	1409
7.5	1356	1344	1333	1322	1310	1300	1288	1275	1263	1248
10.0	1155	1149	1144	1139	1133	1127	1120	1113	1103	1091
12.5	944.1	946.4	950.8	952.0	949.9	944.1	935.2	923.9	910.8	895.6
15.0	758.1	768.3	774.3	775.9	772.6	763.6	750.4	735.0	718.6	699.8
17.5	599.8	610.9	612.0	603.0	591.6	577.9	564.2	549.7	537.1	523.9
20.0	458.7	452.3	441.9	427.1	409.7	392.1	375.9	363.5	355.6	351.6
22.5	322.4	309.5	289.9	288.7	294.4	297.2	297.4	294.6	289.6	282.7
25.0	213.1	215.1	224.9	231.4	235.1	235.6	233.5	229.2	223.6	216.9
27.5	161.4	168.9	175.8	178.4	176.2	172.3	167.9	163.5	159.9	156.2
30.0	124.4	128.6	127.0	122.9	116.4	108.9	102.3	97.66	96.18	96.59
32.5	90.96	87.83	81.62	72.34	74.87	76.70	77.71	78.03	77.96	76.62
35.0	60.69	53.43	55.42	58.37	59.97	60.79	60.82	60.32	59.74	58.27
37.5	39.11	41.47	43.75	45.51	45.31	44.58	43.46	42.32	41.67	40.99
40.0	30.64	32.17	32.58	31.91	30.24	28.22	26.14	24.33	23.60	23.89
42.5	23.19	22.62	21.41	19.20	18.78	19.15	19.25	18.94	18.72	18.45
45.0	15.36	13.68	13.57	14.34	14.59	14.67	14.55	14.12	13.83	13.55
47.5	8.433	9.329	10.27	10.64	10.44	10.11	9.744	9.284	9.001	8.819
50.0	6.119	6.848	7.112	6.790	6.158	5.489	4.930	4.451	4.168	4.111
52.5	4.363	4.383	3.947	3.080	3.020	3.228	3.390	3.389	3.284	3.112
55.0	2.560	2.127	1.993	2.176	2.331	2.458	2.540	2.497	2.401	2.284
57.5	1.198	1.374	1.506	1.604	1.648	1.666	1.662	1.605	1.543	1.496
60.0	0.9025	0.9992	1.021	0.9917	0.9396	0.8684	0.7834	0.7139	0.6841	0.7137
62.5	0.6213	0.6037	0.5330	0.4293	0.4658	0.4975	0.5125	0.5162	0.5136	0.5188
65.0	0.3327	0.2846	0.2966	0.3134	0.3324	0.3470	0.3511	0.3458	0.3431	0.3468
67.5	0.1721	0.1993	0.1987	0.1985	0.1976	0.1936	0.1848	0.1753	0.1715	0.1757
70.0	0.1104	0.1152	0.0988	0.0807	0.0603	0.0388	0.0186	0.0048	0	0.0048
72.5	0.0462	0.0297	0.0002	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:2026-07-29

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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1596	1592	1591	1590	1588	1588	1590	1594	1599	1606
5.0	1398	1387	1377	1370	1363	1360	1359	1360	1364	1371
7.5	1232	1217	1199	1182	1165	1148	1133	1119	1111	1116
10.0	1075	1057	1037	1017	994.7	971.7	949.2	927.4	906.9	888.9
12.5	878.9	862.3	846.8	832.2	818.9	807.2	787.6	760.1	734.3	710.8
15.0	682.1	666.1	651.6	638.4	626.7	616.4	607.7	601.1	591.1	563.8
17.5	512.2	499.7	487.3	473.5	458.5	450.0	446.1	443.1	441.2	440.6
20.0	350.6	350.5	349.6	346.3	340.0	331.0	320.2	315.5	317.4	319.3
22.5	274.6	266.0	257.3	248.3	242.4	241.3	237.0	229.8	222.8	228.6
25.0	209.9	203.5	197.1	190.6	183.9	177.7	173.2	170.3	165.8	161.1
27.5	152.5	148.9	144.3	138.9	135.6	132.7	129.3	126.0	124.3	122.0
30.0	97.85	99.61	100.5	100.1	98.53	95.21	94.23	94.48	95.04	93.33
32.5	74.42	71.97	69.04	66.26	69.20	69.49	68.87	69.42	70.88	71.96
35.0	56.72	55.08	53.39	51.81	50.03	48.54	50.68	51.18	51.70	53.73
37.5	40.50	39.93	39.22	38.33	37.70	36.89	36.62	37.81	38.04	38.98
40.0	24.88	26.11	27.13	27.58	27.36	26.83	27.25	27.43	27.96	27.84
42.5	18.23	18.01	17.73	17.96	19.05	18.90	18.67	19.50	19.71	19.83
45.0	13.43	13.37	13.26	13.21	12.59	11.99	12.34	12.64	13.25	13.11
47.5	8.863	8.991	9.053	9.164	8.659	7.914	6.814	7.909	8.019	8.147
50.0	4.385	4.806	5.251	5.669	5.471	5.037	4.650	4.195	4.841	4.695
52.5	2.965	2.748	2.475	2.462	3.011	3.032	2.907	2.824	2.590	2.767
55.0	2.185	2.029	1.847	1.678	1.511	1.536	1.753	1.750	1.700	1.633
57.5	1.459	1.378	1.276	1.175	1.094	0.9956	0.8804	1.062	1.057	1.038
60.0	0.7526	0.7756	0.7797	0.7656	0.7316	0.6784	0.6357	0.6149	0.6785	0.6760
62.5	0.5033	0.4720	0.4354	0.3978	0.4297	0.4407	0.4261	0.4180	0.4225	0.4492
65.0	0.3352	0.3187	0.2995	0.2783	0.2623	0.2485	0.2582	0.2493	0.2516	0.2678
67.5	0.1751	0.1743	0.1718	0.1671	0.1656	0.1644	0.1479	0.1070	0.1157	0.1350
70.0	0.0176	0.0348	0.0525	0.0676	0.0801	0.0885	0.0821	0.0488	0.0149	0.0443
72.5	0	0	0	0	0.0002	0.0226	0.0316	0.0169	0.0071	0.0010
75.0	0	0	0	0	0	0	0	0.0025	0.0019	0.0000
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	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1613	1622	1632	1644	1657	1671	1687	1673	1660	1648
5.0	1381	1394	1410	1430	1453	1479	1508	1482	1459	1439
7.5	1125	1138	1156	1179	1207	1240	1279	1245	1217	1194
10.0	874.0	885.4	903.3	926.3	955.0	989.9	1032	996.4	967.9	945.6
12.5	690.3	673.8	679.9	700.7	727.7	760.9	801.3	768.2	742.3	722.5
15.0	539.3	519.7	504.0	517.3	540.4	569.1	604.8	577.0	556.3	541.3
17.5	420.4	398.8	382.5	376.8	396.5	420.9	451.1	429.0	412.8	401.6
20.0	322.4	307.4	291.9	280.7	291.5	311.1	335.7	318.9	307.2	304.7
22.5	234.0	238.7	222.8	213.0	215.8	232.9	253.8	239.6	229.3	235.3
25.0	167.5	173.2	172.1	163.8	161.6	175.3	192.3	181.4	173.9	183.9
27.5	120.9	127.4	133.9	127.0	122.3	133.1	147.1	138.4	133.4	145.5
30.0	91.20	93.46	99.53	99.21	95.58	102.4	114.3	106.8	105.0	115.3
32.5	70.41	68.66	74.14	77.64	74.53	79.08	89.34	82.78	82.62	91.29
35.0	54.60	53.17	55.21	60.43	58.58	61.08	69.70	64.04	65.34	71.67
37.5	41.36	41.41	40.90	45.76	46.11	46.99	54.28	49.04	51.25	53.91
40.0	29.85	31.92	30.79	33.78	35.37	34.88	41.50	36.16	38.94	38.84
42.5	20.06	22.64	22.29	23.02	25.61	23.53	29.93	24.36	27.62	25.97
45.0	13.07	14.37	14.94	13.49	16.39	13.74	18.81	14.54	18.14	15.45
47.5	8.028	7.928	8.957	7.681	9.144	7.745	10.64	8.132	10.42	8.944
50.0	4.648	4.608	4.949	4.577	4.908	4.404	5.708	4.576	5.356	5.189
52.5	2.784	2.690	2.667	2.781	2.714	2.561	3.277	2.663	2.902	3.131
55.0	1.598	1.638	1.521	1.742	1.504	1.526	1.822	1.577	1.590	1.916
57.5	1.054	1.010	1.015	1.069	0.9585	1.017	1.167	1.049	1.009	1.149
60.0	0.7303	0.6967	0.7239	0.7046	0.7213	0.7402	0.8336	0.7632	0.7619	0.7576
62.5	0.4689	0.5217	0.4782	0.4752	0.5395	0.5252	0.5983	0.5454	0.5731	0.5160
65.0	0.2640	0.3125	0.2813	0.2980	0.3621	0.3202	0.3944	0.3319	0.3847	0.3271
67.5	0.0964	0.1208	0.1402	0.1055	0.1269	0.1014	0.1760	0.1045	0.1397	0.1266
70.0	0.0123	0.0138	0.0234	0.0035	0.0037	0.0081	0.0029	0.0054	0.0113	0.0025
72.5	0	0	0.0035	0.0037	0.0005	0.0022	0.0060	0.0022	0.0007	0.0000
75.0	0	0	0	0.0024	0	0.0032	0.0040	0.0032	0	0
77.5	0	0	0	0.0001	0	0.0034	0.0049	0.0034	0	0

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-07-29

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	0	0	0	0.0015	0	0.0021	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	0.0000
87.5	0	0	0	0	0	0	0	0	0	0.0039
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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1637	1628	1621	1615	1609	1605	1602	1601	1601	1603
5.0	1422	1408	1398	1391	1385	1383	1384	1386	1391	1398
7.5	1176	1162	1152	1147	1145	1156	1173	1190	1207	1225
10.0	929.0	917.5	912.0	932.3	955.1	979.7	1005	1029	1053	1076
12.5	799.2	710.9	735.8	764.5	795.3	827.1	859.3	879.7	888.6	898.6
15.0	536.2	561.0	589.8	623.8	661.2	673.6	679.5	686.5	694.7	704.2
17.5	417.0	443.4	475.0	503.7	504.6	507.1	510.7	514.9	522.8	536.1
20.0	326.1	352.9	377.5	375.0	373.6	372.2	377.9	389.6	399.0	404.2
22.5	256.2	282.7	279.1	275.3	271.5	281.3	290.0	295.5	296.8	301.7
25.0	201.0	207.5	203.5	199.0	208.0	216.8	222.5	227.5	233.8	240.3
27.5	160.2	154.6	148.8	152.9	160.4	167.1	172.9	177.5	180.7	184.3
30.0	120.5	115.5	115.2	119.9	125.3	128.1	131.3	134.7	139.5	141.7
32.5	90.08	86.14	91.27	96.23	96.05	97.08	100.4	105.0	106.5	104.2
35.0	67.54	67.97	73.08	73.81	73.23	75.49	79.08	80.84	82.42	83.64
37.5	50.11	53.71	56.41	55.05	56.51	59.78	61.76	62.47	63.49	64.13
40.0	37.47	42.00	40.66	39.86	43.86	45.76	46.07	45.74	46.79	47.97
42.5	28.76	29.56	27.38	29.05	31.86	32.56	31.56	32.61	32.90	33.01
45.0	18.20	18.12	17.77	19.72	20.62	20.73	21.13	21.24	21.89	23.97
47.5	11.16	9.972	11.06	12.05	11.91	12.70	12.07	14.01	15.08	15.98
50.0	5.879	5.656	6.322	6.576	6.870	6.628	7.950	8.640	9.394	9.509
52.5	3.050	3.245	3.468	3.591	3.403	4.043	4.603	4.958	4.826	3.760
55.0	1.697	1.887	1.890	1.953	2.141	2.284	2.536	2.140	2.085	2.452
57.5	1.107	1.130	1.193	1.215	1.265	1.335	1.094	1.271	1.473	1.678
60.0	0.7899	0.7699	0.8138	0.7776	0.8098	0.7435	0.7926	0.8727	0.9852	1.093
62.5	0.5282	0.5812	0.5350	0.5299	0.5133	0.5159	0.5425	0.5851	0.5984	0.5734
65.0	0.3192	0.3540	0.3143	0.3334	0.3064	0.3232	0.3505	0.3515	0.3735	0.4018
67.5	0.1700	0.1388	0.1300	0.1703	0.1377	0.1590	0.2127	0.2327	0.2366	0.2412
70.0	0.0310	0.0163	0.0275	0.0547	0.0109	0.0748	0.1180	0.1259	0.1149	0.0975
72.5	0.0016	0.0146	0.0010	0	0.0023	0.0254	0.0471	0.0323	0.0002	0
75.0	0	0.0280	0	0	0.0001	0.0035	0	0	0	0
77.5	0	0.0108	0	0	0	0	0	0	0	0
80.0	0	0.0004	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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1604	1606	1609	1614	1620	1624	1630	1636	1644	1651
5.0	1406	1415	1426	1437	1451	1461	1473	1484	1495	1506
7.5	1242	1260	1274	1288	1301	1310	1320	1329	1335	1344
10.0	1097	1115	1131	1143	1152	1156	1159	1159	1160	1160
12.5	910.4	923.4	936.6	949.4	960.6	968.7	974.3	976.9	976.4	972.7
15.0	714.9	726.6	739.8	754.3	769.3	781.2	791.5	798.5	801.2	798.9
17.5	548.0	557.9	567.0	575.8	585.3	594.2	604.4	613.0	621.9	629.3
20.0	406.2	405.6	402.4	400.5	401.4	406.7	415.7	428.2	442.9	456.6
22.5	309.8	317.8	324.4	329.6	333.7	336.3	336.1	333.4	328.8	320.8
25.0	246.2	252.0	257.5	261.8	266.0	269.4	271.3	271.0	268.8	262.7
27.5	190.0	193.9	196.7	198.0	199.4	201.4	203.8	206.8	209.1	209.0
30.0	142.5	141.3	138.6	135.0	132.8	133.3	136.6	142.2	148.1	151.7
32.5	106.5	108.9	110.5	111.1	110.9	110.2	108.9	107.4	104.4	99.46
35.0	84.95	86.40	87.67	88.57	88.87	88.95	88.63	88.04	86.08	82.17
37.5	65.00	65.77	66.35	66.69	66.83	67.10	67.54	68.15	67.96	66.26
40.0	47.52	46.56	45.56	44.88	44.80	45.25	46.41	47.91	48.82	48.95
42.5	33.10	33.70	34.21	34.75	35.16	35.28	35.22	34.79	33.45	32.59
45.0	24.45	24.74	24.85	25.15	25.52	25.88	26.16	26.25	25.63	24.47
47.5	16.34	16.27	15.98	15.86	15.96	16.33	16.87	17.56	17.93	17.82
50.0	8.997	8.194	7.284	6.606	6.408	6.780	7.579	8.783	9.971	10.87
52.5	3.730	4.365	4.736	4.935	5.045	5.089	4.941	4.704	4.285	4.267
55.0	2.794	3.194	3.475	3.608	3.683	3.756	3.691	3.570	3.294	2.902
57.5	1.938	2.142	2.291	2.321	2.338	2.391	2.402	2.404	2.316	2.141
60.0	1.180	1.191	1.137	1.041	0.9927	1.028	1.112	1.227	1.297	1.317
62.5	0.6539	0.7205	0.7518	0.7538	0.7553	0.7527	0.7314	0.6941	0.6328	0.5678
65.0	0.4469	0.4864	0.5032	0.5056	0.5100	0.5203	0.5145	0.4931	0.4548	0.4146
67.5	0.2544	0.2658	0.2635	0.2591	0.2808	0.2851	0.2910	0.2849	0.2739	0.2635
70.0	0.0774	0.0531	0.0265	0.0118	0.0435	0.0501	0.0670	0.0741	0.0885	0.1066

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-07-29

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	0.0023	0.0326	0.0329	0.0326	0.0178	0.0056	0.0000
75.0	0	0	0	0.0002	0.0217	0.0220	0.0226	0.0128	0.0046	0.0000
77.5	0	0	0	0.0001	0.0109	0.0111	0.0117	0.0068	0.0026	0.0000
80.0	0	0	0	0.0000	0	0.0002	0.0007	0.0008	0.0005	0.0000
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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
2.5	1658	1665	1674	1683	1693	1702	1712	1722	1732	1744
5.0	1515	1526	1535	1543	1553	1564	1573	1585	1598	1613
7.5	1351	1359	1369	1380	1390	1394	1398	1404	1413	1423
10.0	1161	1162	1165	1171	1179	1190	1205	1203	1201	1203
12.5	966.3	957.7	952.4	952.5	955.4	961.7	971.3	985.5	984.0	977.0
15.0	792.9	782.9	769.4	753.7	741.9	745.4	752.4	763.9	780.0	772.4
17.5	634.4	629.5	615.0	598.0	580.4	563.0	564.3	573.1	586.0	595.1
20.0	467.5	474.0	477.4	470.1	451.1	433.0	418.1	421.9	432.2	445.7
22.5	318.2	334.1	343.4	347.7	348.3	332.8	318.5	307.6	315.4	326.1
25.0	253.0	240.5	233.0	245.4	252.6	256.3	243.3	232.8	231.0	238.5
27.5	203.3	192.3	181.1	170.8	179.0	185.7	187.2	177.3	170.2	174.7
30.0	153.0	150.9	144.5	136.1	128.1	133.2	138.5	136.0	128.9	126.8
32.5	105.8	109.4	110.8	108.0	101.5	94.96	100.6	104.4	97.31	96.98
35.0	77.60	74.43	79.51	82.01	80.35	74.81	72.43	76.36	76.73	72.71
37.5	63.02	59.52	56.46	59.01	60.80	58.82	54.58	56.27	58.95	55.18
40.0	48.62	47.22	45.03	42.31	43.37	44.78	42.37	40.77	43.78	42.11
42.5	33.73	34.20	34.53	32.32	30.15	31.42	32.45	30.35	31.36	31.71
45.0	22.48	21.85	22.52	23.49	22.20	20.39	22.48	21.95	20.68	22.75
47.5	16.70	14.84	12.08	14.34	15.68	14.16	13.62	15.03	12.49	14.55
50.0	11.22	10.51	8.609	6.958	9.026	9.488	7.658	8.715	7.680	8.077
52.5	5.769	6.297	6.019	4.955	3.979	5.551	4.989	4.550	4.816	4.363
55.0	2.512	2.667	3.377	3.379	2.835	2.584	3.142	2.581	2.930	2.407
57.5	1.899	1.649	1.411	1.867	1.986	1.590	1.685	1.734	1.666	1.583
60.0	1.293	1.215	1.066	0.9436	1.161	1.168	0.9550	1.151	1.034	1.114
62.5	0.6887	0.7575	0.7515	0.7061	0.6825	0.7652	0.7412	0.7123	0.7775	0.7957
65.0	0.3913	0.3723	0.4291	0.4684	0.4872	0.4866	0.5241	0.4927	0.5381	0.5330
67.5	0.2623	0.2590	0.2443	0.2309	0.2711	0.2996	0.3108	0.3268	0.2626	0.3217
70.0	0.1302	0.1494	0.1567	0.1406	0.0658	0.1136	0.1770	0.1117	0.1165	0.1384
72.5	0.0002	0.0384	0.0668	0.0770	0.0356	0	0.0571	0.0332	0.0263	0.0092
75.0	0	0	0	0.0131	0.0113	0.0003	0	0.0063	0	0
77.5	0	0	0	0	0	0.0016	0	0	0	0
80.0	0	0	0	0	0	0.0008	0	0	0	0
82.5	0	0	0	0	0	0.0004	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	1790	1790								
2.5	1756	1769								
5.0	1630	1650								
7.5	1438	1457								
10.0	1210	1224								
12.5	976.7	983.7								
15.0	764.3	764.0								
17.5	582.8	578.5								
20.0	437.8	429.5								
22.5	327.2	318.6								
25.0	245.2	234.5								
27.5	181.0	173.1								
30.0	133.0	128.8								
32.5	100.4	98.30								
35.0	74.80	74.08								
37.5	55.68	56.22								
40.0	41.46	42.68								
42.5	30.31	32.11								
45.0	20.69	22.98								
47.5	13.01	14.52								
50.0	7.445	8.072								
52.5	4.579	4.678								
55.0	2.846	2.746								
57.5	1.749	1.616								
60.0	1.095	1.056								
62.5	0.7257	0.7535								

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-07-29

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:

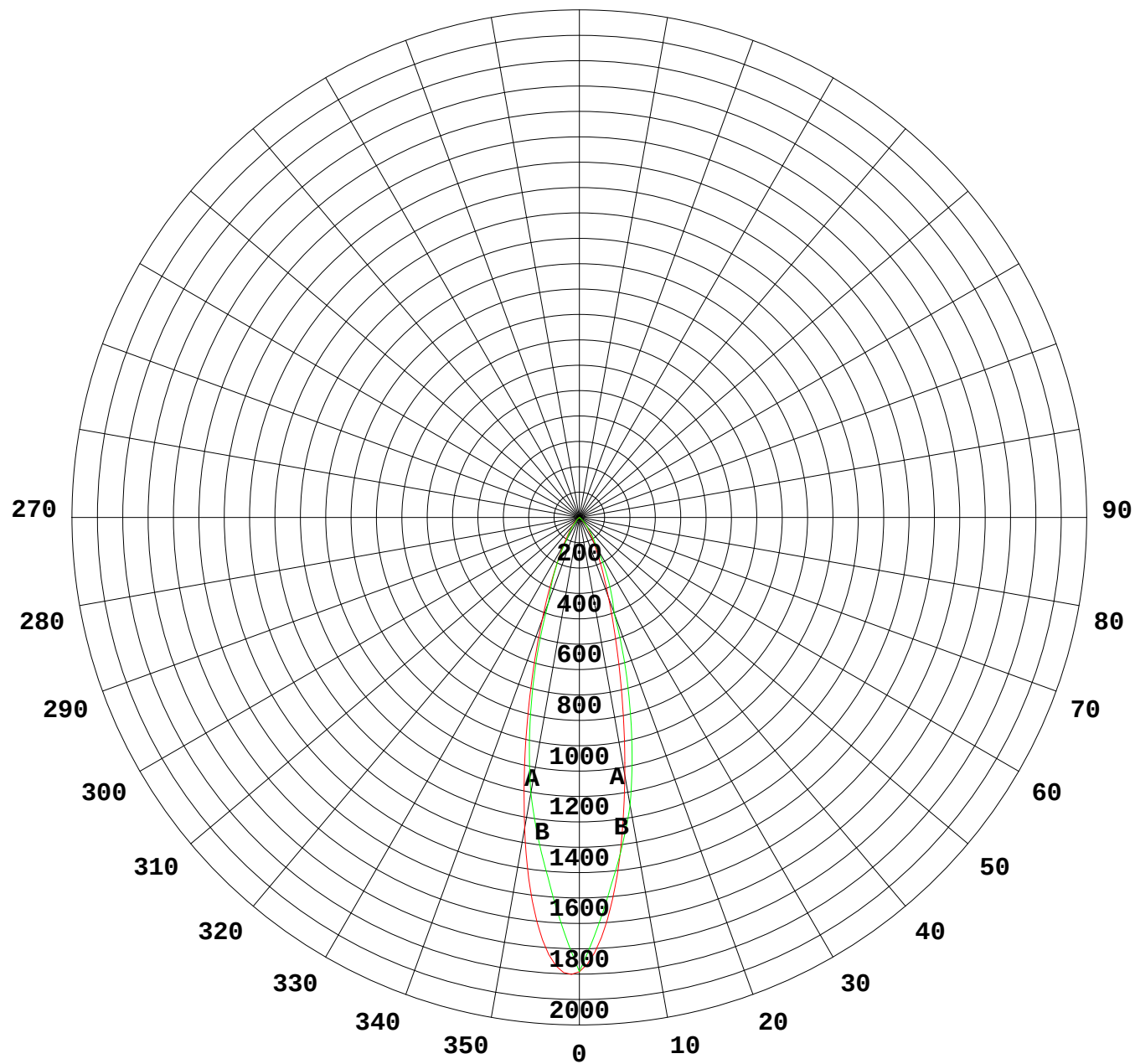
Photometric Data Table [cd]

65.0	0.4673	0.5256
67.5	0.3006	0.3211
70.0	0.1368	0.1254
72.5	0.0116	0.0170
75.0	0.0028	0.0018
77.5	0.0008	0.0006
80.0	0	0.0021
82.5	0	0.0000
85.0	0	0
87.5	0	0
90.0	0	0

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-07-29

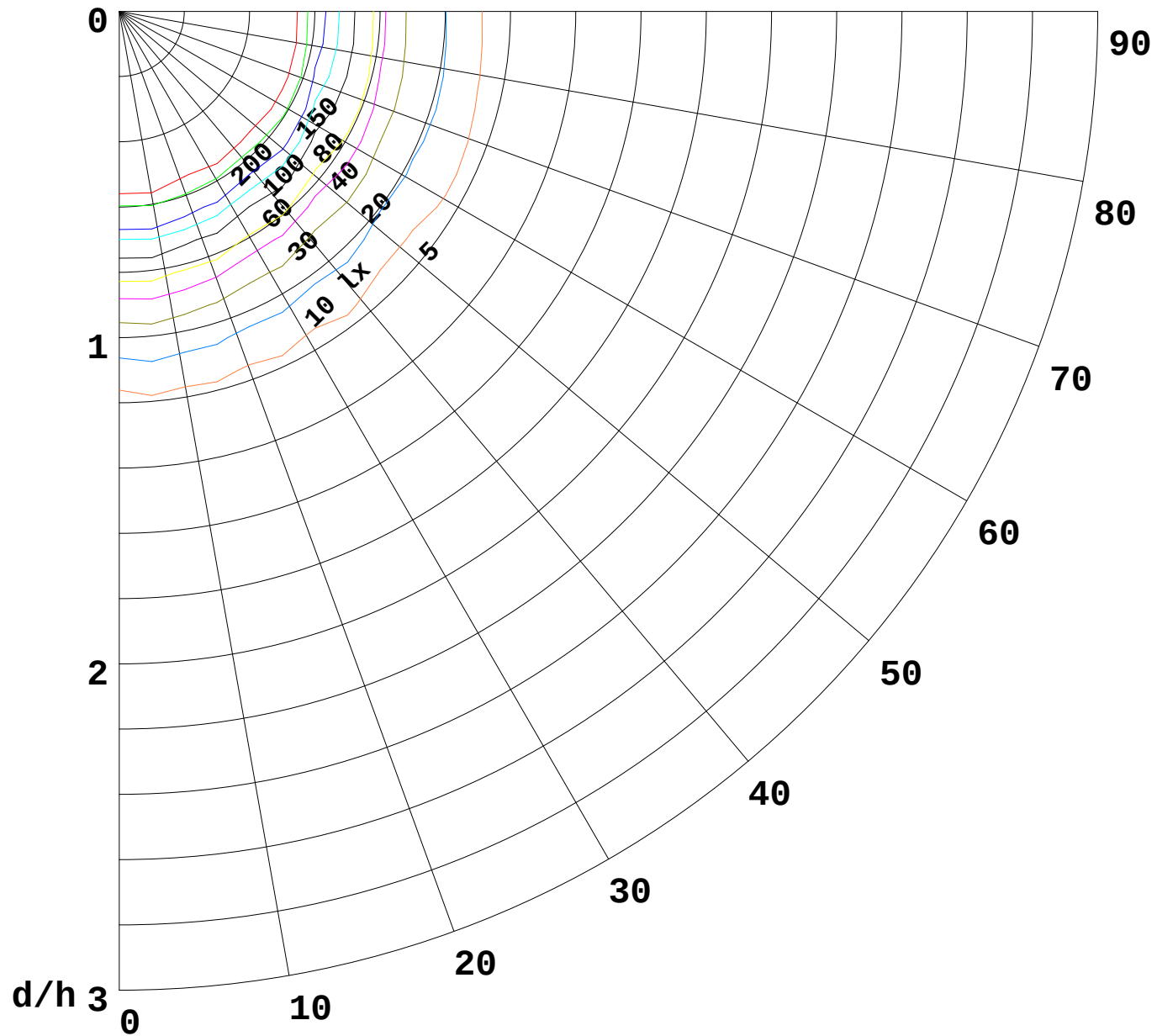
V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

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

