

TEST REPORT

Report reference No.....	GEN2024019.01								
Product.....	LED Spot Light								
Family Name.....	U23								
Trademark.....									
Manufacturer.....	KOE Lighting Ltd.								
Address.....	25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China								
Testing Laboratory.....	KOE Lab								
Model list: U23SP-A20C1 SBK 3000K[CRI90] H24D(LP500-20-48V)									
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 (°)
48V	20	1	1640	1580	F	5800	50000	3000	24
Power supply	LP500-20-48V								
Light model	COB 36V 3000K CRI90, 550mA 20W D10.5, <HTK-XG002ASC24G-30(H1)> ANSI, 1890lm								

Light Output Ratio:	87%	
Luminaire Power:	20.16W	
SVR.:	0.0019 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: 2026-05-30

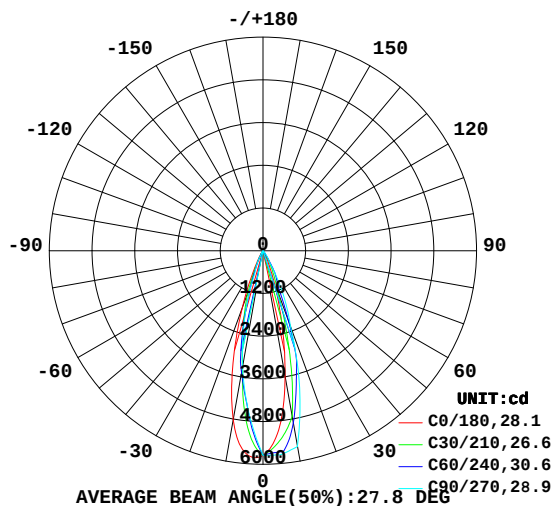
V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

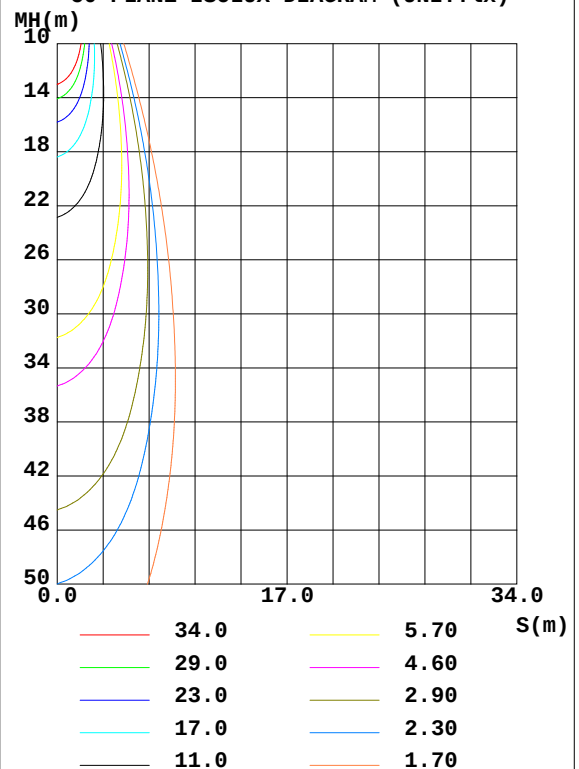
Test:U:48.00V I:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.34 lm/W			
MODEL	3000K CRI90,550mA 20W	Imax(cd)	5818	S/MH(C0/180)	0.51
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	36	TOTAL FLUX(lm)	1599.6	η UP, DN(C0-180)	0.0,61.0
NOMINAL FLUX(lm)	1599.59	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,39.0
LAMPS INSIDE	1	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:2026-05-30

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	5057	5535	5749	5545	5702	4746	4582	4741	0- 5	129.3	129.3	8.08, 8.08
10	3579	4695	5585	4937	4821	3425	3318	3377	5- 10	333.5	462.8	28.9, 28.9
15	1990	2997	3985	4128	3253	2314	2022	1690	10- 15	406.8	869.6	54.4, 54.4
20	855.8	2018	2261	1808	1701	924.1	673.2	1009	15- 20	330.9	1201	75.1, 75.1
25	301.1	794.2	1322	864.3	651.7	355.0	393.2	332.2	20- 25	197.3	1398	87.4, 87.4
30	111.7	296.7	364.2	360.1	215.9	143.9	94.95	107.0	25- 30	100.0	1498	93.6, 93.6
35	55.69	155.7	215.6	110.7	89.99	61.32	64.77	66.01	30- 35	42.72	1541	96.3, 96.3
40	33.74	53.23	67.64	62.48	50.88	38.65	31.81	31.80	35- 40	23.42	1564	97.8, 97.8
45	18.98	37.96	43.90	32.52	31.92	21.55	22.48	23.40	40- 45	13.73	1578	98.6, 98.6
50	13.12	17.01	20.34	21.08	18.59	15.35	12.70	12.09	45- 50	8.969	1587	99.2, 99.2
55	8.329	13.36	14.47	12.52	12.45	8.671	8.261	8.768	50- 55	5.892	1593	99.6, 99.6
60	4.310	7.365	8.619	8.611	7.685	5.230	3.674	3.776	55- 60	3.885	1596	99.8, 99.8
65	1.096	4.140	4.976	3.900	3.781	1.503	1.907	1.534	60- 65	2.125	1599	99.9, 99.9
70	0.0789	1.199	1.343	1.455	0.6875	0.1353	0.0901	0.0795	65- 70	0.0082	1599	100, 100
75	0.0426	0.2168	0.6840	0.1673	0.0981	0.0427	0.0458	0.0554	70- 75	0.1572	1600	100, 100
80	0.0363	0.0642	0.0537	0.0628	0.0569	0.0106	0	0.0215	75- 80	0.0461	1600	100, 100
85	0.0253	0.0379	0.0458	0.0444	0.0348	0.0009	0.0016	0.0009	80- 85	0.0147	1600	100, 100
90	0.0253	0.0379	0.0379	0.0252	0.0048	0.0032	0.0032	0.0032	85- 90	0.0107	1600	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): 1577.7 lm

%lum = 98.6%

%lamp = 98.6%

Conical surface Flux(120deg): 1596.4 lm

%lum = 99.8%

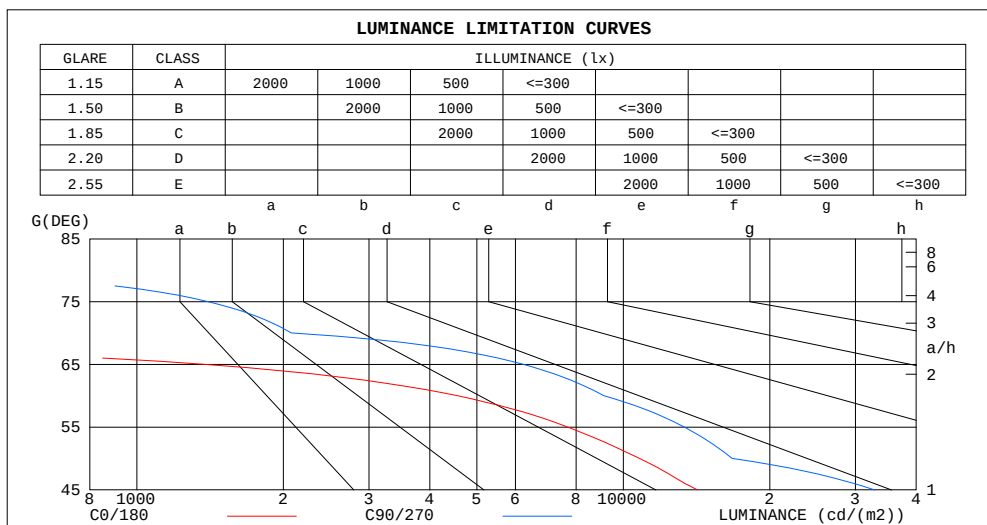
%lamp = 99.8%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-05-30

$V(B)$ 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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...



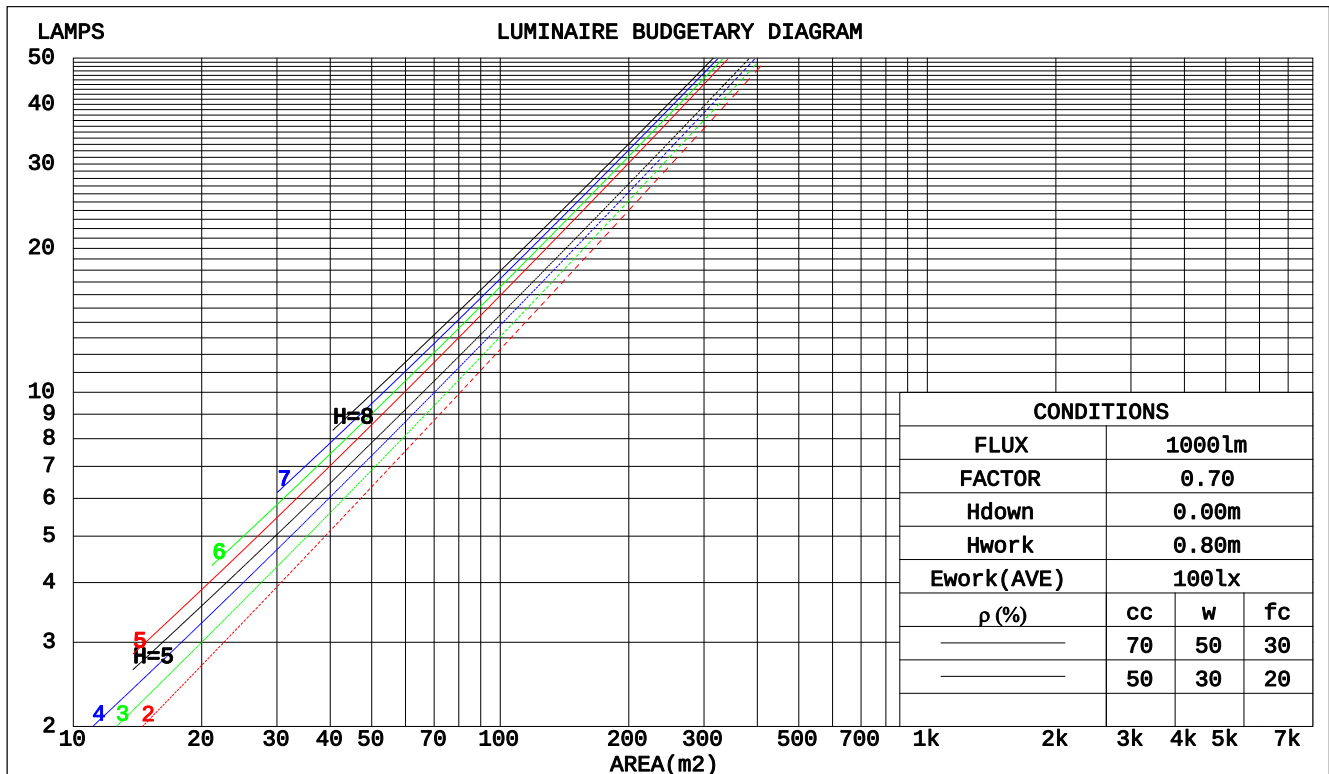
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:48.00V I:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
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SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	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	1.13	1.11	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.99	.98	.96
2.0	1.07	1.04	1.01	1.05	1.02	1.00	1.02	.99	.98	.99	.97	.96	.97	.95	.94	.92
3.0	1.02	.98	.95	1.01	.97	.94	.98	.95	.93	.96	.94	.92	.94	.92	.90	.89
4.0	.98	.93	.90	.97	.93	.90	.95	.91	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.89	.86	.93	.89	.86	.91	.88	.85	.90	.87	.84	.88	.86	.84	.82
6.0	.90	.86	.83	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.80
7.0	.87	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
8.0	.84	.79	.76	.83	.79	.76	.82	.79	.76	.82	.78	.76	.81	.78	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
10.0	.79	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm								
NAME: LED Grille Light				TYPE:recessed			WEIGHT:	
SPEC.:20W				DIM.: D55*H120mm			SERIAL No.:GEN2024019.01	
MFR.: KOE Lighting Ltd.				SUR.:D49mm			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	.143	.081	.026	.136	.078	.025	.124	.071	.023	.112	.065	.021	.102	.059	.019	
2.0	.133	.073	.022	.128	.070	.022	.118	.065	.020	.108	.061	.019	.099	.056	.018	
3.0	.125	.066	.020	.120	.064	.019	.112	.060	.018	.104	.057	.017	.096	.053	.016	
4.0	.117	.061	.018	.114	.059	.018	.106	.056	.017	.100	.053	.016	.093	.051	.015	
5.0	.111	.057	.016	.108	.055	.016	.101	.053	.016	.096	.050	.015	.090	.048	.014	
6.0	.105	.053	.015	.102	.052	.015	.097	.050	.014	.092	.048	.014	.087	.046	.014	
7.0	.100	.050	.014	.098	.049	.014	.093	.047	.014	.089	.045	.013	.084	.044	.013	
8.0	.096	.047	.013	.093	.046	.013	.089	.045	.013	.085	.043	.012	.082	.042	.012	
9.0	.092	.044	.012	.090	.044	.012	.086	.042	.012	.082	.041	.012	.079	.040	.012	
10.0	.088	.042	.012	.086	.042	.012	.083	.041	.011	.080	.040	.011	.077	.039	.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	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.107	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.106	.076	.055	.091	.066	.048	.063	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.098	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.086	.056	.035	.074	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.081	.051	.031	.070	.044	.027	.049	.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:2026-05-30

$V(B)$ 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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm										
NAME: LED Grille Light					TYPE:recessed			WEIGHT:		
SPEC.:20W					DIM.: D55*H120mm			SERIAL No.:GEN2024019.01		
MFR.: KOE Lighting Ltd.					SUR.:D49mm			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	11.0	11.7	11.2	11.9	12.0	15.1	15.8	15.3	16.0	16.1
3H	10.9	11.6	11.1	11.7	11.9	15.0	15.7	15.3	15.9	16.0
4H	10.8	11.4	11.1	11.7	11.9	14.9	15.6	15.2	15.8	16.0
6H	10.7	11.3	11.0	11.6	11.8	14.9	15.4	15.1	15.7	15.9
8H	10.7	11.3	11.0	11.5	11.8	14.8	15.4	15.1	15.6	15.9
12H	10.7	11.2	11.0	11.5	11.7	14.8	15.3	15.1	15.6	15.8
4H 2H	11.0	11.6	11.3	11.8	12.1	14.9	15.6	15.2	15.8	16.0
3H	10.9	11.4	11.2	11.7	11.9	14.8	15.4	15.1	15.6	15.9
4H	10.8	11.3	11.1	11.6	11.9	14.8	15.2	15.1	15.5	15.8
6H	10.7	11.1	11.0	11.4	11.8	14.7	15.1	15.0	15.4	15.8
8H	10.6	11.0	11.0	11.4	11.7	14.6	15.0	15.0	15.3	15.7
12H	10.6	10.9	11.0	11.3	11.7	14.5	14.9	14.9	15.3	15.7
8H 4H	10.6	11.0	11.0	11.4	11.7	14.6	15.0	15.0	15.3	15.7
6H	10.5	10.9	10.9	11.2	11.7	14.5	14.8	14.9	15.2	15.6
8H	10.5	10.8	10.9	11.2	11.6	14.4	14.7	14.9	15.1	15.6
12H	10.4	10.7	10.9	11.1	11.6	14.4	14.6	14.8	15.1	15.5
12H 4H	10.6	10.9	11.0	11.3	11.7	14.5	14.9	14.9	15.3	15.7
6H	10.5	10.8	10.9	11.2	11.6	14.4	14.7	14.9	15.1	15.6
8H	10.4	10.7	10.9	11.1	11.6	14.4	14.6	14.8	15.1	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.2 / - 4.9					+ 3.4 / - 6.5				
1.5H	+ 3.0 / - 3.5					+ 5.4 / - 5.6				
2.0H	+ 3.4 / - 5.4					+ 4.4 / - 4.7				

CIE Pub.117, 1600 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)

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Temperature:25.3DEG
Operators:Judy
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Remarks:

UTILIZATION FACTORS TABLE

Test:U:48.00V I:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
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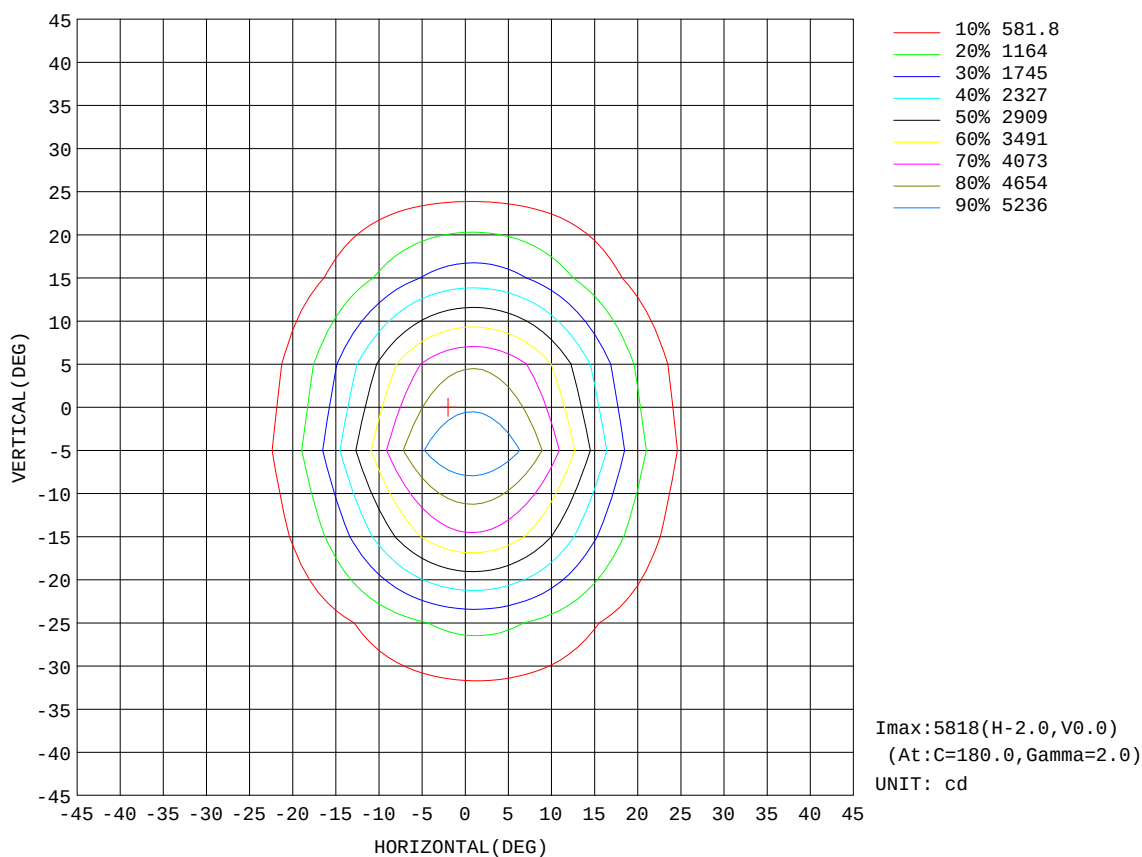
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	81	77
0.80	97	92	88	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	100	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	106	103	101	96
2.50	111	108	105	110	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	114	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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V(B) Range:-90 - 90DEG
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ISOCANDELA DIAGRAM

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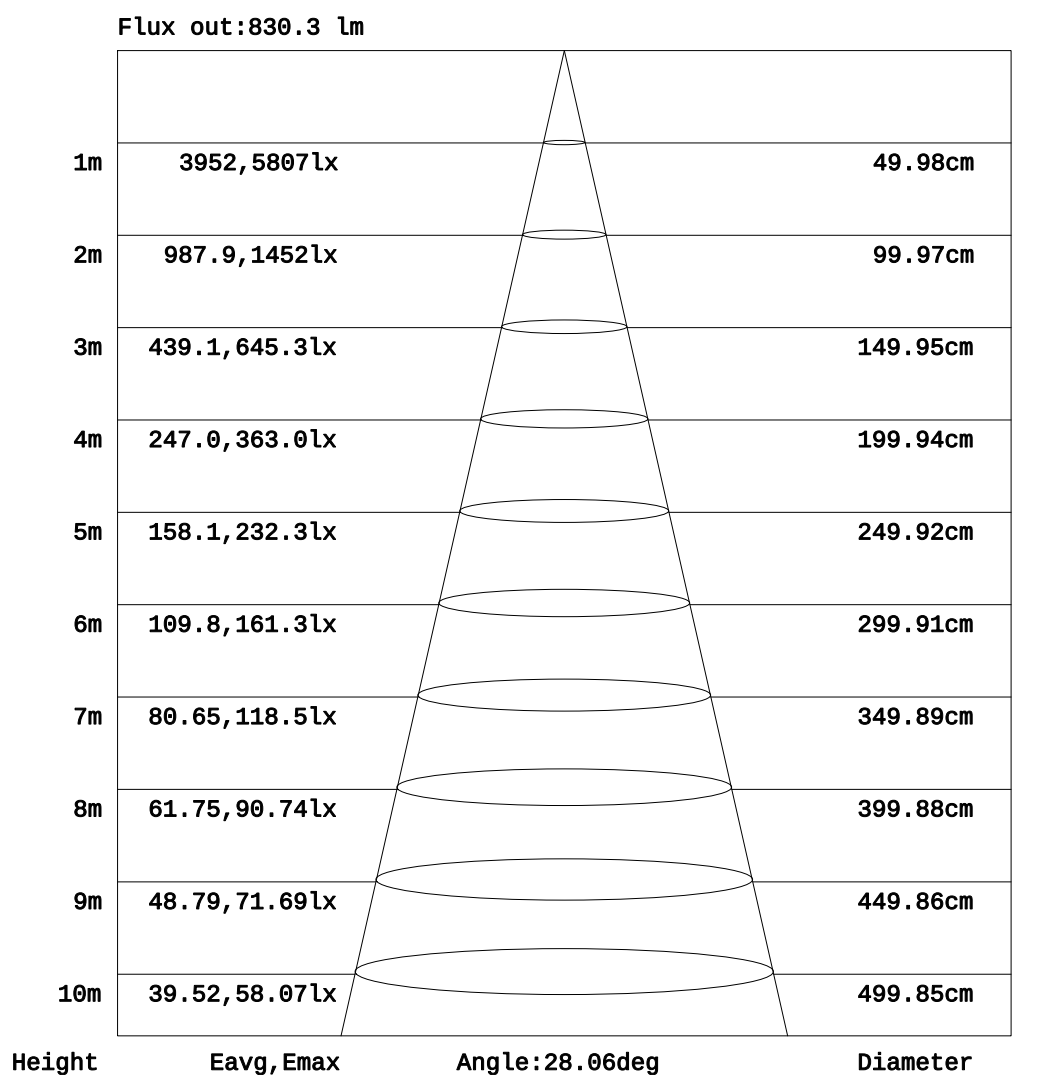


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Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...



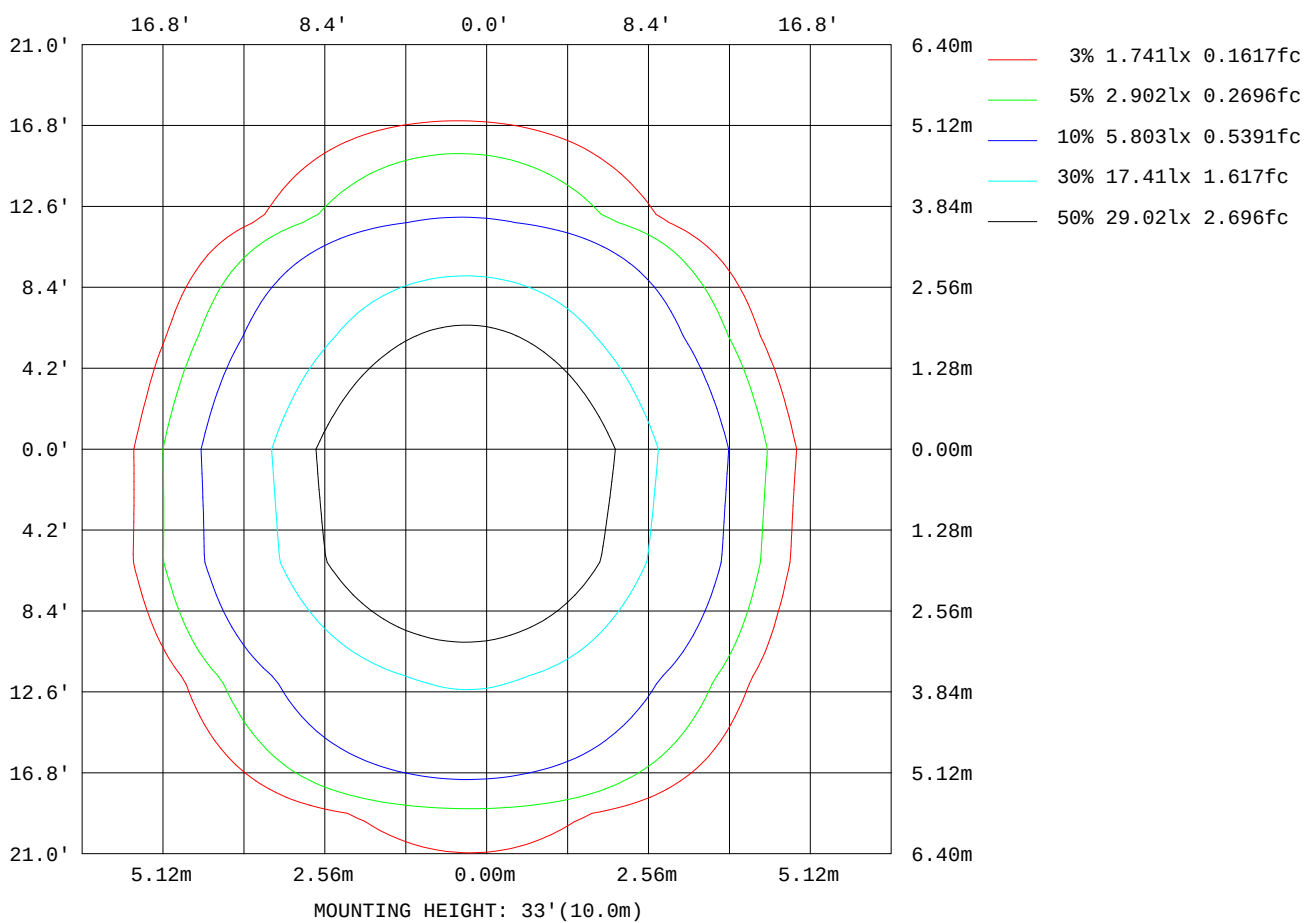
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Grille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

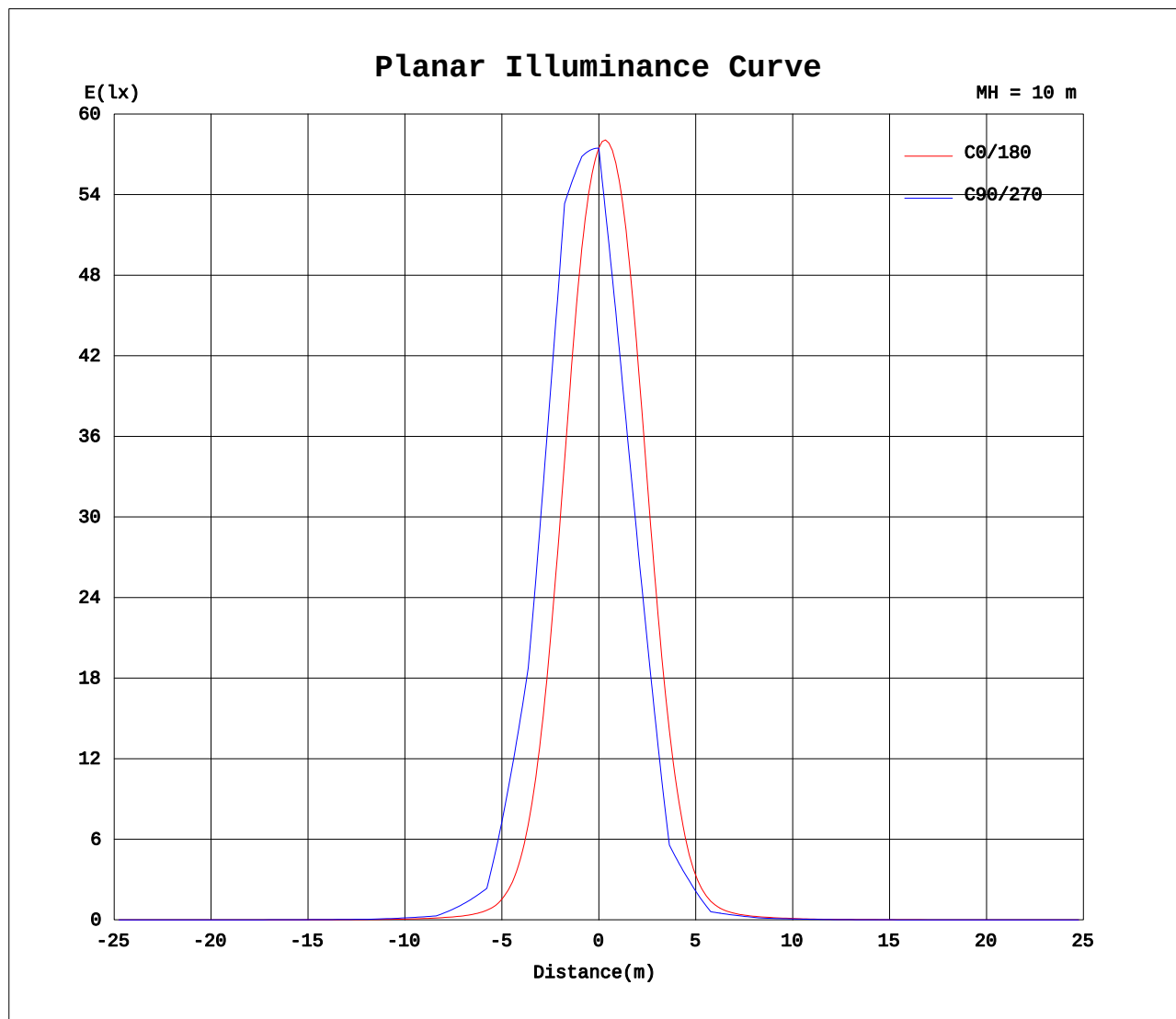
AvgL	cd/m2
L_0~180(65)av	3053
L_0~180(75)av	144
L_0~180(85)av	182
L_90~270(65)av	4308
L_90~270(75)av	746
L_90~270(85)av	144
L_45(65)av	3467
L_45(75)av	246
L_45(85)av	128

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:2026-05-30

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:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-05-30

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:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.59x1 lm		
NAME: LED Gille Light	TYPE:recessed	WEIGHT:
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2024019.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	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:2026-05-30

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	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5497	5507	5519	5534	5550	5568	5587	5607	5625	5642
5.0	5057	5095	5140	5190	5245	5303	5363	5424	5482	5535
7.5	4394	4482	4585	4699	4824	4949	5075	5203	5321	5356
10.0	3579	3728	3899	4089	4295	4513	4715	4680	4671	4695
12.5	2761	2953	3175	3426	3703	3864	3800	3772	3781	3832
15.0	1990	2212	2467	2757	2993	2892	2824	2795	2805	2997
17.5	1350	1574	1833	2134	2111	2008	1931	1938	2188	2450
20.0	855.8	1060	1301	1489	1372	1271	1248	1483	1742	2018
22.5	516.6	681.5	877.8	916.6	809.5	713.3	904.0	1135	1395	1391
25.0	301.1	418.0	562.4	519.9	437.5	476.3	652.8	873.0	848.8	794.2
27.5	177.1	254.4	338.5	284.6	228.0	328.8	472.4	495.0	448.3	384.9
30.0	111.7	158.3	193.4	157.6	157.2	229.6	278.2	252.1	218.2	296.7
32.5	76.78	104.8	115.2	94.41	114.9	161.7	150.4	119.6	167.8	235.3
35.0	55.69	74.58	76.71	65.30	86.98	97.53	83.70	95.63	134.3	155.7
37.5	42.83	56.01	54.07	51.88	67.90	62.76	59.39	78.41	91.89	87.69
40.0	33.74	43.74	40.09	42.65	49.61	42.48	50.25	61.19	57.60	53.23
42.5	25.39	35.12	29.58	35.19	35.35	33.81	42.98	41.69	38.54	45.55
45.0	18.98	27.50	20.60	28.71	24.05	28.02	31.25	27.26	32.59	37.96
47.5	15.86	19.89	17.18	21.39	17.75	23.91	21.28	22.37	28.07	25.91
50.0	13.12	16.00	14.84	15.99	15.79	17.73	16.14	19.93	20.15	17.01
52.5	10.60	12.99	12.80	12.31	14.13	13.17	14.43	15.30	13.81	15.20
55.0	8.329	10.20	10.96	9.350	11.64	10.57	12.50	11.13	12.16	13.36
57.5	6.264	7.660	9.103	8.021	8.358	9.313	9.020	9.218	10.62	10.06
60.0	4.310	5.301	6.293	6.890	5.794	7.290	6.409	8.065	7.557	7.365
62.5	2.552	3.090	3.654	4.748	4.822	4.252	5.410	5.313	5.186	6.031
65.0	1.096	1.536	1.575	2.089	3.209	2.808	3.432	3.045	4.056	4.140
67.5	0.2388	0.7427	1.003	0.9707	0.7953	1.980	1.186	2.257	2.237	1.781
70.0	0.0789	0.3174	0.4824	0.5972	0.4318	0.3574	0.8959	0.9435	0.4798	1.199
72.5	0.0568	0.1118	0.1047	0.0914	0.1973	0.1511	0.3508	0.1014	0.4416	0.8179
75.0	0.0426	0.0591	0.0741	0.0762	0.0744	0.0681	0.0627	0.1067	0.2465	0.2168
77.5	0.0387	0.0449	0.0444	0.0587	0.0482	0.0445	0.0673	0.0789	0.0779	0.0814
80.0	0.0363	0.0500	0.0405	0.0436	0.0360	0.0520	0.0612	0.0645	0.0637	0.0642
82.5	0.0300	0.0387	0.0308	0.0297	0.0453	0.0496	0.0507	0.0501	0.0454	0.0414
85.0	0.0253	0.0221	0.0199	0.0400	0.0436	0.0416	0.0379	0.0379	0.0379	0.0379
87.5	0.0253	0.0191	0.0355	0.0319	0.0363	0.0382	0.0379	0.0379	0.0379	0.0379
90.0	0.0253	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5658	5674	5690	5705	5716	5724	5733	5740	5748	5750
5.0	5587	5633	5671	5706	5728	5744	5753	5751	5749	5733
7.5	5366	5387	5421	5463	5507	5557	5597	5635	5667	5679
10.0	4741	4816	4915	5025	5145	5266	5384	5492	5585	5649
12.5	3927	4081	4249	4396	4518	4613	4686	4741	4785	4818
15.0	3232	3450	3638	3787	3900	3970	4000	4003	3985	3947
17.5	2712	2954	3083	3075	3071	3075	3087	3106	3123	3122
20.0	2152	2139	2119	2103	2096	2105	2132	2195	2261	2314
22.5	1351	1296	1229	1325	1474	1593	1686	1754	1792	1798
25.0	705.8	782.4	931.3	1072	1190	1271	1326	1339	1322	1282
27.5	498.2	624.0	752.8	849.1	864.6	864.3	861.8	853.1	843.0	827.4
30.0	395.3	486.5	499.6	491.9	463.9	424.0	387.9	365.5	364.2	381.8
32.5	276.6	273.4	244.5	184.3	215.3	244.3	267.8	283.3	289.9	287.9
35.0	149.6	115.0	129.6	154.1	179.0	200.0	213.9	218.7	215.6	207.1
37.5	75.24	90.86	109.3	129.6	139.1	143.7	145.1	144.0	141.6	138.0
40.0	64.20	77.51	85.15	87.16	85.64	80.70	74.24	69.00	67.64	70.28
42.5	55.10	55.81	54.53	48.57	48.60	51.52	53.90	55.25	55.77	55.48
45.0	37.14	35.12	35.53	38.66	41.14	43.04	44.14	44.36	43.90	43.03
47.5	22.09	26.97	30.46	32.68	33.24	33.14	32.79	32.46	32.12	31.82
50.0	19.41	23.54	24.90	24.36	23.44	22.30	21.18	20.52	20.34	20.73
52.5	17.38	18.31	17.68	16.10	16.15	16.67	17.05	17.33	17.41	17.36
55.0	13.10	12.77	12.88	13.47	13.95	14.29	14.49	14.55	14.47	14.32
57.5	9.646	10.40	11.04	11.50	11.55	11.57	11.58	11.56	11.55	11.52
60.0	8.143	8.796	8.795	8.719	8.672	8.641	8.596	8.565	8.619	8.732
62.5	6.392	6.241	6.093	6.009	6.355	6.600	6.725	6.766	6.797	6.809
65.0	3.867	3.853	4.316	4.666	4.906	5.034	5.059	5.018	4.976	4.917
67.5	2.350	2.871	3.123	3.276	3.312	3.294	3.258	3.208	3.159	3.125
70.0	1.737	1.827	1.660	1.507	1.535	1.479	1.437	1.395	1.343	1.339
72.5	0.8083	0.5710	0.1680	0.2928	0.6616	0.8575	0.9842	1.029	1.013	0.9687
75.0	0.1037	0.1177	0.1396	0.2766	0.5268	0.6412	0.7080	0.7059	0.6840	0.6393
77.5	0.0837	0.0949	0.1062	0.2044	0.3285	0.3714	0.3920	0.3823	0.3688	0.3544
80.0	0.0600	0.0616	0.0606	0.0805	0.0955	0.0910	0.0727	0.0585	0.0537	0.0716
82.5	0.0379	0.0379	0.0379	0.0387	0.0432	0.0495	0.0492	0.0498	0.0498	0.0599
85.0	0.0379	0.0379	0.0379	0.0393	0.0462	0.0446	0.0444	0.0458	0.0458	0.0522

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-05-30

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	0.0379	0.0379	0.0379	0.0388	0.0425	0.0412	0.0396	0.0403	0.0419	0.0450
90.0	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0348	0.0348	0.0379	0.0379
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5751	5754	5756	5758	5756	5754	5755	5757	5760	5764
5.0	5718	5694	5667	5641	5611	5587	5564	5545	5536	5532
7.5	5679	5663	5621	5566	5489	5392	5278	5148	5041	5015
10.0	5682	5683	5650	5580	5471	5320	5140	4937	4708	4471
12.5	4845	4879	4922	4977	5047	5137	5041	4741	4417	4082
15.0	3905	3874	3858	3860	3890	3946	4027	4128	4121	3692
17.5	3107	3060	2987	2883	2753	2735	2814	2916	3036	3168
20.0	2348	2349	2314	2244	2136	1998	1835	1808	1947	2089
22.5	1787	1759	1726	1685	1627	1514	1365	1198	1057	1222
25.0	1241	1205	1176	1149	1121	1083	1014	864.3	723.0	599.9
27.5	808.4	779.2	736.2	675.5	660.1	659.9	644.5	614.3	506.8	399.5
30.0	409.7	433.6	443.1	429.9	392.0	341.6	352.6	360.1	351.1	276.1
32.5	279.7	267.0	250.6	231.9	238.4	221.2	192.6	185.5	199.3	196.0
35.0	197.0	186.5	175.9	164.1	150.6	139.1	129.8	110.7	106.4	116.5
37.5	133.0	125.7	115.3	104.3	101.5	96.87	91.03	81.74	69.95	71.70
40.0	74.89	78.59	78.76	75.06	68.95	64.12	64.00	62.48	57.31	50.57
42.5	54.70	53.74	52.70	52.66	52.64	48.86	43.57	45.44	47.90	43.48
45.0	42.18	41.57	41.17	40.90	40.63	39.88	36.34	32.52	35.71	38.20
47.5	31.55	31.26	30.89	30.65	31.17	31.31	30.40	26.62	24.82	27.71
50.0	21.48	22.31	23.09	23.51	23.30	22.71	22.35	21.08	20.14	18.60
52.5	17.20	17.03	16.95	17.21	17.99	17.34	15.72	16.40	17.13	15.26
55.0	14.11	13.98	13.91	13.88	13.89	13.91	13.30	12.52	13.22	13.59
57.5	11.42	11.31	11.13	10.87	10.90	10.98	11.12	10.62	9.657	10.52
60.0	8.819	8.871	8.860	8.728	8.444	8.090	8.310	8.611	8.092	7.100
62.5	6.789	6.765	6.738	6.687	6.563	6.295	5.876	5.884	6.288	5.692
65.0	4.858	4.822	4.799	4.774	4.728	4.639	4.352	3.900	3.741	4.210
67.5	3.084	3.064	3.023	2.950	2.929	2.987	2.894	2.588	2.173	1.987
70.0	1.339	1.394	1.444	1.489	1.523	1.562	1.523	1.455	1.143	0.8547
72.5	0.8748	0.7675	0.6149	0.4355	0.2407	0.4885	0.6506	0.5983	0.4623	0.2677
75.0	0.5746	0.4937	0.3885	0.2694	0.1497	0.1026	0.0836	0.1673	0.1562	0.0861
77.5	0.3245	0.2836	0.2246	0.1521	0.0920	0.0811	0.0726	0.0730	0.0653	0.0559
80.0	0.0808	0.0918	0.0961	0.0883	0.0750	0.0715	0.0648	0.0628	0.0533	0.0464
82.5	0.0596	0.0593	0.0600	0.0603	0.0615	0.0625	0.0567	0.0576	0.0531	0.0476
85.0	0.0523	0.0511	0.0516	0.0508	0.0511	0.0487	0.0460	0.0444	0.0452	0.0463
87.5	0.0451	0.0429	0.0432	0.0419	0.0412	0.0382	0.0356	0.0326	0.0305	0.0309
90.0	0.0379	0.0348	0.0348	0.0332	0.0316	0.0300	0.0253	0.0252	0.0158	0.0158
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5766	5771	5777	5784	5793	5803	5813	5753	5693	5635
5.0	5531	5541	5559	5586	5620	5659	5702	5564	5430	5303
7.5	5007	5023	5061	5114	5186	5274	5376	5147	4932	4732
10.0	4227	4239	4293	4382	4502	4650	4821	4507	4215	3948
12.5	3746	3419	3367	3492	3654	3852	4083	3711	3369	3055
15.0	3273	2875	2503	2563	2754	2984	3253	2860	2500	2170
17.5	2808	2358	1955	1714	1922	2162	2439	2061	1714	1389
20.0	2225	1879	1481	1143	1232	1450	1701	1375	1075	869.8
22.5	1359	1458	1085	783.8	713.8	900.2	1107	849.8	607.4	556.9
25.0	746.9	856.6	772.6	525.9	387.6	513.9	651.7	482.2	319.8	352.9
27.5	352.6	452.5	519.9	350.6	218.0	288.8	377.3	270.2	174.2	227.3
30.0	297.8	223.5	275.8	230.9	145.2	164.1	215.9	155.3	117.2	148.4
32.5	145.3	107.0	149.0	153.3	101.4	102.8	133.3	97.78	84.57	106.4
35.0	108.2	81.83	84.95	101.9	75.89	71.00	89.99	67.65	64.88	77.87
37.5	76.26	66.93	55.95	67.86	59.31	52.98	66.16	50.43	51.66	55.29
40.0	54.28	56.79	45.69	49.42	48.50	41.10	50.88	38.72	42.47	40.88
42.5	38.17	44.42	39.58	36.54	40.48	31.23	40.68	29.05	35.15	30.18
45.0	30.88	32.13	34.02	25.42	33.54	22.19	31.92	21.16	28.41	21.53
47.5	25.69	21.37	26.99	19.79	24.11	18.42	23.41	17.61	20.86	17.41
50.0	20.16	17.71	18.66	17.31	17.86	15.52	18.59	14.85	16.40	15.26
52.5	15.24	15.86	13.89	15.31	13.93	12.98	15.37	12.38	12.77	13.38
55.0	11.53	13.05	11.02	13.18	10.46	10.75	12.45	10.21	9.533	11.39
57.5	10.13	9.232	9.654	9.489	7.664	8.768	9.938	8.296	6.891	8.148
60.0	8.316	6.801	7.959	6.206	6.344	7.009	7.685	6.590	5.596	5.140
62.5	5.153	5.874	4.806	4.409	5.198	5.428	5.675	5.059	4.465	3.411
65.0	3.362	3.652	2.759	3.568	3.848	3.509	3.781	3.193	3.150	2.537
67.5	2.359	1.362	2.147	1.733	1.436	1.472	2.037	1.271	1.038	1.052
70.0	0.8449	0.7542	0.6610	0.2294	0.1780	0.3195	0.6875	0.2744	0.1046	0.0950
72.5	0.2365	0.1983	0.1075	0.1339	0.0974	0.0824	0.1487	0.0727	0.0703	0.0940
75.0	0.0963	0.0887	0.0755	0.0703	0.0585	0.0817	0.0981	0.0715	0.0456	0.0464
77.5	0.0600	0.0740	0.0613	0.0405	0.0584	0.0668	0.0736	0.0570	0.0449	0.0237

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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	0.0385	0.0472	0.0560	0.0444	0.0287	0.0249	0.0569	0.0197	0.0206	0.0177
82.5	0.0428	0.0388	0.0343	0.0374	0.0169	0.0134	0.0459	0.0184	0.0076	0.0204
85.0	0.0493	0.0423	0.0353	0.0242	0.0267	0.0162	0.0348	0.0093	0.0135	0
87.5	0.0302	0.0320	0.0342	0.0399	0.0225	0.0207	0.0277	0.0110	0	0.0001
90.0	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0048	0.0032	0.0032	0.0032
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5580	5527	5477	5432	5388	5346	5310	5278	5251	5229
5.0	5184	5075	4977	4891	4814	4746	4693	4650	4615	4593
7.5	4551	4385	4241	4121	4022	3997	4001	4002	4001	3997
10.0	3708	3498	3324	3357	3391	3425	3450	3469	3479	3473
12.5	2769	2621	2690	2765	2838	2906	2961	2949	2883	2826
15.0	1934	2028	2132	2245	2357	2314	2230	2158	2096	2047
17.5	1405	1528	1663	1755	1661	1569	1477	1389	1351	1368
20.0	986.7	1125	1231	1138	1036	924.1	883.6	901.0	903.5	888.4
22.5	670.1	810.2	745.5	653.3	537.4	559.7	576.5	571.5	539.8	532.2
25.0	449.4	473.0	406.1	311.4	337.1	355.0	354.3	357.1	364.4	369.2
27.5	295.1	255.7	197.1	198.3	216.2	223.4	228.4	229.1	224.9	224.4
30.0	164.6	135.0	118.0	134.7	144.5	143.9	138.2	131.4	140.6	144.5
32.5	98.53	76.09	87.39	99.32	95.63	88.06	86.38	90.49	89.42	79.14
35.0	64.55	60.05	69.38	68.77	62.19	61.32	63.53	61.50	61.34	61.85
37.5	44.58	49.48	52.86	47.27	45.66	48.27	48.16	47.20	46.25	45.49
40.0	36.00	42.33	38.38	34.35	37.55	38.65	37.07	35.06	34.73	35.46
42.5	30.13	32.95	27.47	28.57	30.92	29.43	27.32	27.50	27.15	26.78
45.0	24.91	23.79	21.92	23.52	22.96	21.55	22.30	21.73	21.18	21.51
47.5	20.31	17.02	18.74	18.36	16.69	17.95	18.17	17.57	17.16	16.92
50.0	15.75	14.63	15.95	14.09	14.55	15.35	14.58	13.92	13.79	13.93
52.5	11.77	12.90	12.05	11.69	12.68	11.87	11.08	11.31	11.39	11.28
55.0	9.194	10.42	8.866	10.11	9.465	8.671	9.059	9.180	8.992	8.770
57.5	7.911	7.173	7.546	7.498	6.508	6.973	7.163	6.807	6.500	6.271
60.0	6.332	4.962	5.879	4.557	5.025	5.230	4.810	4.387	4.372	4.354
62.5	3.495	3.982	3.160	3.170	3.486	3.096	2.754	2.712	2.635	2.551
65.0	1.616	2.157	1.547	1.925	1.749	1.503	1.320	1.266	1.549	1.731
67.5	1.002	0.5535	0.6428	0.7226	0.6876	0.3751	0.5002	0.7192	0.8661	0.9721
70.0	0.2286	0.1312	0.1577	0.2225	0.1113	0.1353	0.2027	0.3153	0.4125	0.4164
72.5	0.0580	0.0584	0.0730	0.0780	0.0698	0.0674	0.0897	0.1046	0.0449	0.0409
75.0	0.0371	0.0493	0.0538	0.0394	0.0407	0.0427	0.0352	0.0308	0.0300	0.0286
77.5	0.0351	0.0371	0.0214	0.0121	0.0189	0.0241	0.0233	0.0195	0.0165	0.0166
80.0	0.0255	0.0107	0.0007	0.0024	0.0065	0.0106	0.0112	0.0081	0.0057	0.0045
82.5	0.0034	0	0	0.0008	0.0013	0.0014	0.0001	0.0003	0.0004	0.0005
85.0	0	0	0.0000	0.0004	0.0007	0.0009	0.0011	0.0012	0.0013	0.0014
87.5	0.0009	0.0013	0.0016	0.0018	0.0019	0.0020	0.0021	0.0022	0.0022	0.0023
90.0	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5208	5190	5177	5168	5164	5160	5159	5163	5170	5180
5.0	4576	4568	4568	4570	4582	4592	4609	4626	4644	4665
7.5	3989	3982	3970	3958	3950	3940	3939	3947	3958	3984
10.0	3457	3433	3402	3362	3318	3272	3231	3199	3179	3176
12.5	2779	2741	2714	2691	2670	2649	2625	2593	2551	2498
15.0	2014	1997	1994	2004	2022	2041	2054	2057	2044	2009
17.5	1373	1368	1360	1350	1348	1353	1371	1399	1440	1483
20.0	853.7	806.3	753.5	706.0	673.2	660.4	672.8	712.2	772.7	844.9
22.5	539.4	543.2	544.3	541.4	533.2	517.3	492.6	460.2	422.1	378.6
25.0	372.6	376.5	381.8	387.9	393.2	393.6	385.8	367.6	340.4	306.6
27.5	236.0	242.4	244.5	244.1	244.1	245.1	247.1	248.3	247.3	243.1
30.0	140.7	130.1	116.0	102.5	94.95	96.42	106.0	120.4	135.0	145.4
32.5	80.50	81.45	81.78	81.30	79.86	77.55	74.35	70.69	66.63	62.82
35.0	62.54	63.27	63.99	64.60	64.77	64.01	62.54	60.09	57.17	53.98
37.5	46.97	48.21	48.70	48.65	48.29	47.80	47.47	46.97	46.59	45.94
40.0	35.94	35.47	34.22	32.83	31.81	31.52	31.88	32.36	32.98	33.84
42.5	27.13	27.49	27.54	27.42	27.14	26.66	25.92	24.63	22.85	22.16
45.0	21.94	22.26	22.42	22.46	22.48	22.36	22.04	21.34	20.06	18.72
47.5	17.33	17.77	17.84	17.72	17.59	17.47	17.40	17.33	17.03	16.42
50.0	14.02	13.87	13.45	13.00	12.70	12.55	12.63	12.82	12.99	13.03
52.5	11.08	10.90	10.75	10.61	10.48	10.32	10.14	9.939	9.726	9.638
55.0	8.596	8.469	8.378	8.314	8.261	8.213	8.150	8.053	7.927	7.764
57.5	6.267	6.238	6.163	6.061	5.968	5.913	5.902	5.920	5.988	6.091
60.0	4.272	4.144	3.990	3.814	3.674	3.606	3.605	3.638	3.727	3.881
62.5	2.719	2.815	2.856	2.841	2.790	2.716	2.611	2.425	2.145	1.754
65.0	1.831	1.882	1.907	1.916	1.907	1.886	1.859	1.780	1.621	1.363
67.5	1.037	1.044	1.026	1.015	0.9984	1.0000	1.024	1.046	1.036	0.9743
70.0	0.3509	0.2529	0.1600	0.1168	0.0901	0.1133	0.1798	0.2762	0.3713	0.4362

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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	0.0416	0.0440	0.0483	0.0642	0.0679	0.0669	0.0667	0.0677	0.0679	0.0700
75.0	0.0280	0.0293	0.0312	0.0356	0.0458	0.0447	0.0456	0.0467	0.0479	0.0489
77.5	0.0153	0.0154	0.0159	0.0177	0.0229	0.0225	0.0234	0.0250	0.0269	0.0284
80.0	0.0029	0.0018	0.0009	0.0003	0	0.0003	0.0013	0.0029	0.0052	0.0077
82.5	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008	0.0008	0.0007	0.0006	0.0005
85.0	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0015	0.0015	0.0014
87.5	0.0023	0.0023	0.0024	0.0024	0.0024	0.0024	0.0024	0.0023	0.0023	0.0023
90.0	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	5747	5747	5747	5747	5747	5747	5747	5747	5747	5747
2.5	5188	5201	5216	5234	5255	5278	5300	5326	5355	5386
5.0	4681	4702	4721	4741	4764	4787	4810	4838	4870	4907
7.5	4022	4074	4144	4227	4294	4297	4295	4296	4300	4306
10.0	3193	3229	3290	3377	3484	3617	3768	3727	3671	3625
12.5	2433	2358	2354	2441	2558	2701	2863	3046	3041	2939
15.0	1953	1878	1788	1690	1646	1805	1978	2167	2370	2292
17.5	1527	1497	1407	1303	1193	1085	1216	1406	1602	1721
20.0	918.6	985.7	1040	1009	897.1	782.6	676.4	809.4	988.7	1160
22.5	383.6	495.5	585.4	650.2	681.7	571.3	474.1	405.5	560.2	698.3
25.0	269.3	232.2	237.5	332.2	390.5	418.6	335.5	269.1	292.4	396.1
27.5	218.7	187.6	157.1	131.7	193.7	235.9	242.3	188.4	150.3	219.1
30.0	150.1	149.2	128.5	107.0	89.89	124.7	149.0	135.4	108.1	124.5
32.5	82.27	92.88	95.61	88.72	74.48	63.93	87.90	101.0	81.55	76.38
35.0	50.97	50.50	61.44	66.01	62.90	54.13	54.53	66.94	64.15	53.39
37.5	43.51	41.55	39.74	44.81	48.58	46.57	41.41	46.62	52.45	43.87
40.0	34.89	35.39	34.05	31.80	33.98	37.71	35.18	32.48	39.39	36.37
42.5	24.75	27.12	29.10	27.25	23.38	26.72	29.77	24.90	28.06	29.50
45.0	17.93	18.93	21.64	23.40	20.39	18.41	22.83	21.07	20.03	23.98
47.5	15.74	15.28	14.90	17.20	17.93	15.98	16.56	18.25	15.48	18.59
50.0	13.23	13.31	12.81	12.09	13.39	14.15	12.72	14.16	13.55	14.26
52.5	10.06	10.56	11.07	10.42	9.657	11.12	11.09	10.53	11.89	10.78
55.0	7.549	7.529	8.142	8.768	8.172	7.786	9.301	8.125	9.530	7.938
57.5	5.960	5.747	5.421	6.021	6.735	6.016	6.253	6.887	6.501	6.616
60.0	4.108	4.340	4.133	3.776	4.140	4.870	3.935	5.030	4.105	5.479
62.5	1.974	2.360	2.748	2.733	2.215	2.591	2.986	2.372	3.149	3.492
65.0	1.022	0.6239	0.9674	1.534	1.595	0.9214	1.511	1.210	1.814	1.206
67.5	0.7940	0.5109	0.1877	0.2253	0.7683	0.6942	0.1396	0.8044	0.2213	0.3932
70.0	0.4366	0.3674	0.2067	0.0795	0.0543	0.2925	0.1413	0.1620	0.1095	0.2456
72.5	0.0702	0.1383	0.1151	0.0734	0.0563	0.0450	0.0650	0.0705	0.0725	0.0483
75.0	0.0500	0.0525	0.0531	0.0554	0.0518	0.0453	0.0390	0.0418	0.0530	0.0483
77.5	0.0303	0.0348	0.0362	0.0387	0.0420	0.0404	0.0380	0.0268	0.0258	0.0446
80.0	0.0105	0.0146	0.0177	0.0215	0.0259	0.0281	0.0336	0.0294	0.0119	0.0233
82.5	0.0004	0.0003	0.0001	0.0029	0.0077	0.0120	0.0171	0.0216	0.0228	0.0089
85.0	0.0013	0.0012	0.0011	0.0009	0.0007	0.0004	0.0000	0.0052	0.0118	0.0169
87.5	0.0022	0.0022	0.0021	0.0020	0.0019	0.0018	0.0016	0.0013	0.0009	0.0001
90.0	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
G/C	350.0	355.0								
0.0	5747	5747								
2.5	5420	5457								
5.0	4951	5000								
7.5	4323	4351								
10.0	3591	3574								
12.5	2855	2794								
15.0	2165	2063								
17.5	1567	1443								
20.0	1079	952.8								
22.5	713.5	603.4								
25.0	458.4	369.5								
27.5	278.2	225.5								
30.0	163.2	142.6								
32.5	99.63	95.73								
35.0	67.66	69.03								
37.5	48.64	52.31								
40.0	36.40	41.45								
42.5	26.25	33.28								
45.0	18.91	25.71								
47.5	16.05	19.07								
50.0	13.79	15.46								
52.5	11.73	12.48								
55.0	9.913	9.704								
57.5	8.092	7.207								
60.0	5.407	4.887								
62.5	2.904	2.710								

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

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:

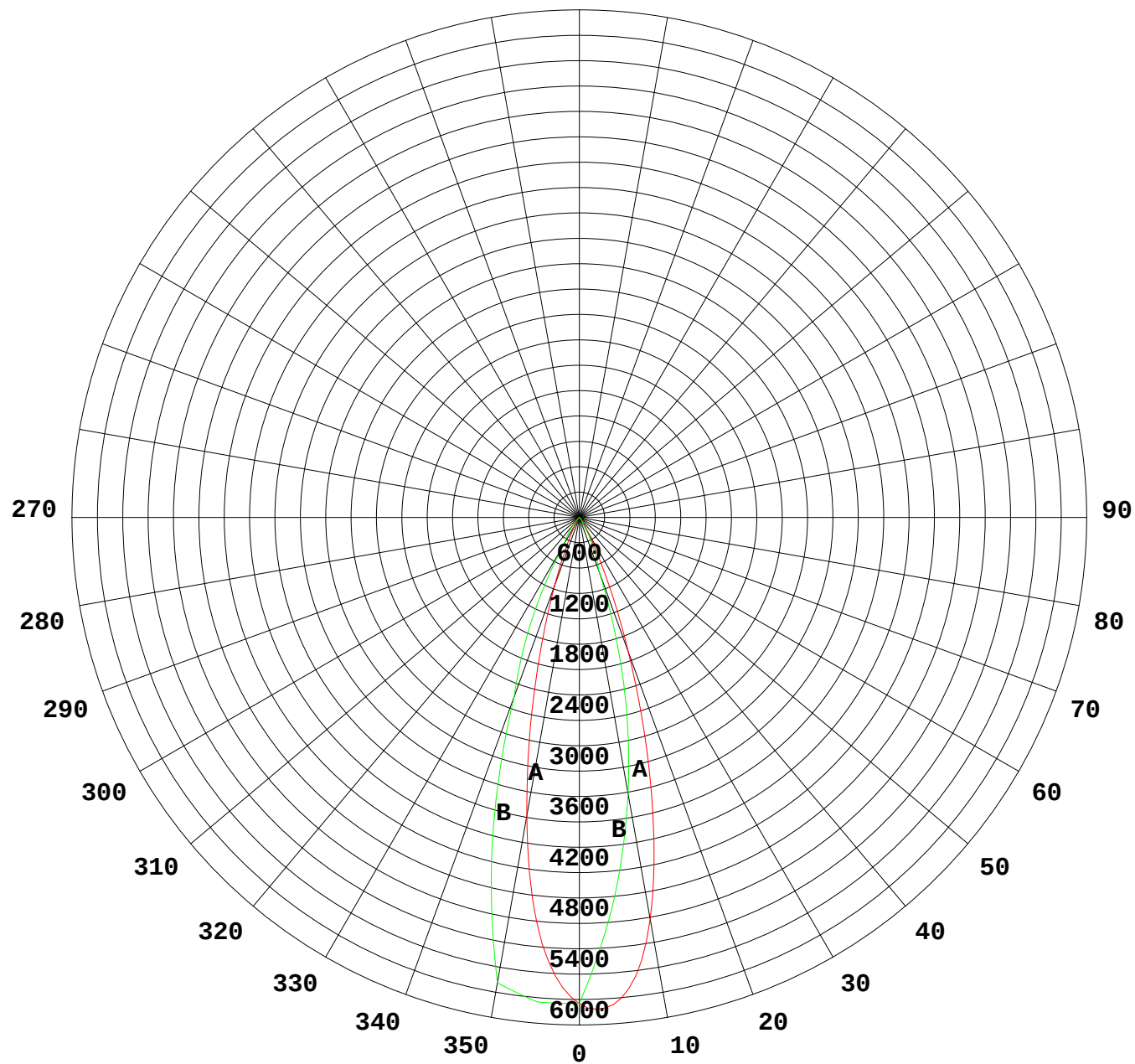
Photometric Data Table [cd]

65.0	1.014	1.237
67.5	0.5593	0.5401
70.0	0.2471	0.2191
72.5	0.0834	0.0950
75.0	0.0643	0.0549
77.5	0.0255	0.0441
80.0	0.0262	0.0441
82.5	0.0213	0.0270
85.0	0.0083	0.0109
87.5	0.0078	0.0064
90.0	0.0032	0.0032

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-05-30

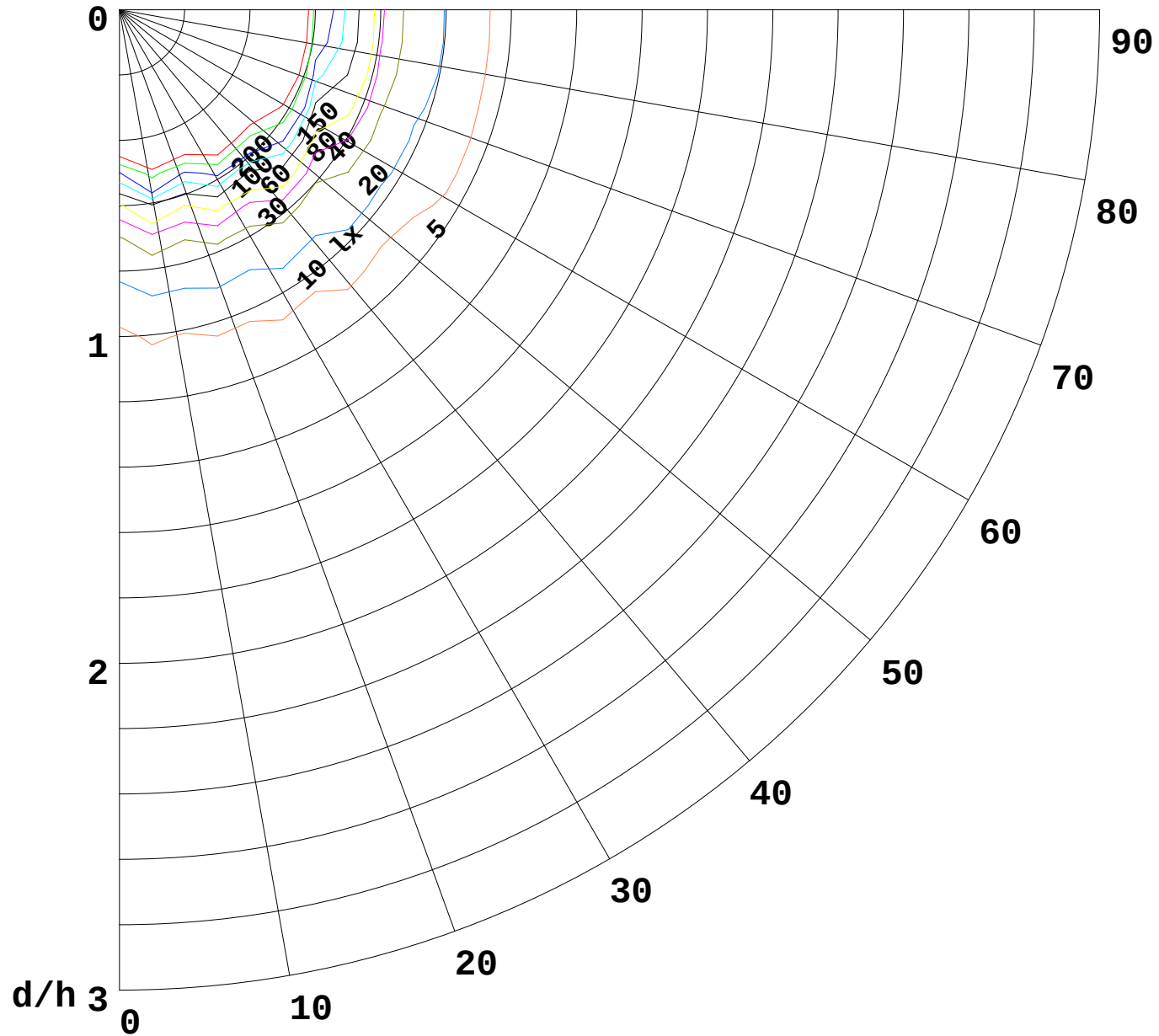
V(β) Range:-90 - 90DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

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

