

TEST REPORT

Report reference No.....	GEN2026133.01								
Product.....	LED Spot Light								
Family Name.....	M20								
Trademark.....									
Manufacturer.....	KOE Lighting Ltd.								
Address.....	25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China								
Testing Laboratory.....	KOE Lab								
Model list: M20SP-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 (°)
DC48V	20	1	1640	1580	F	6460	50000	3000K	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	
SUR.:	0.00189 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: 2026-08-26

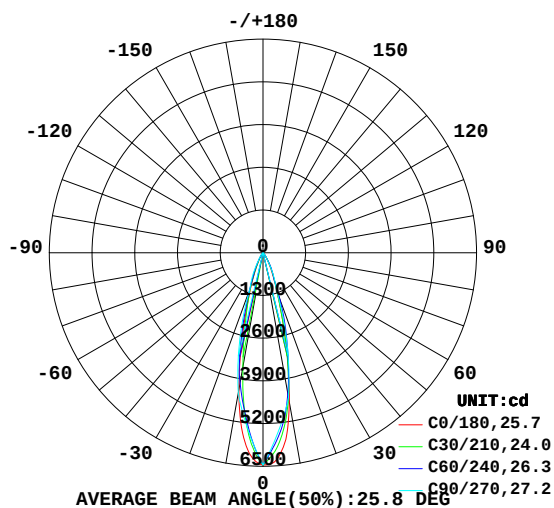
V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

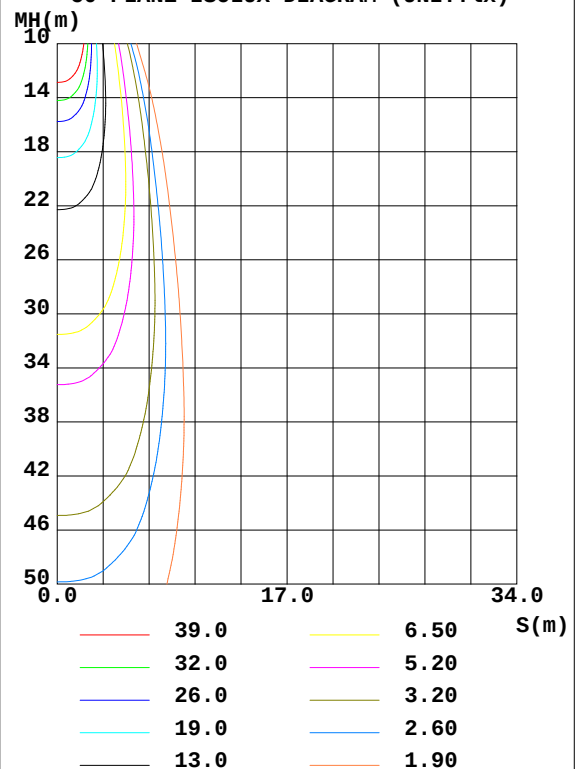
Test:U:48.00V I:0.4200A P:20.16W PF:1.000 Freq:0Hz Lamp Flux:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.33 lm/W			
MODEL:TK-XG002ASC24G-30(H1)		I _{max} (cd)	6457	S/MH(C0/180)	0.41
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	36	TOTAL FLUX(lm)	1599.3	η UP, DN(C0-180)	0.0, 50.5
NOMINAL FLUX(lm)	1599.25	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.5
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:2026-08-26

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	6130	5670	5441	5342	5902	5302	5373	5625	0- 5	141.1	141.1	8.82, 8.82
10	4624	4344	4483	3819	4237	3765	4341	4267	5- 10	345.6	486.7	30.4, 30.4
15	2558	2597	2812	2352	2234	2316	2732	2509	10- 15	387.2	874.0	54.6, 54.6
20	1236	1472	1182	1079	1030	1092	1158	1418	15- 20	291.6	1166	72.9, 72.9
25	634.5	722.3	737.7	521.2	478.2	530.8	717.2	681.1	20- 25	180.7	1346	84.2, 84.2
30	314.4	370.9	305.5	256.8	217.8	259.8	288.2	342.4	25- 30	112.5	1459	91.2, 91.2
35	153.9	196.1	183.6	119.0	107.4	118.8	173.3	182.9	30- 35	63.12	1522	95.2, 95.2
40	74.27	76.98	64.23	57.87	56.16	55.80	61.27	75.05	35- 40	35.66	1557	97.4, 97.4
45	39.50	45.02	41.23	31.70	32.84	30.55	39.54	44.61	40- 45	18.84	1576	98.6, 98.6
50	19.22	19.44	18.43	17.74	17.67	17.18	18.30	19.22	45- 50	11.30	1588	99.3, 99.3
55	10.48	11.65	11.43	8.917	9.265	8.655	11.45	11.33	50- 55	6.173	1594	99.7, 99.7
60	4.836	5.322	4.518	4.407	4.407	4.138	4.645	5.024	55- 60	3.428	1597	99.9, 99.9
65	1.382	2.088	2.324	1.425	1.101	1.377	2.380	1.935	60- 65	1.482	1599	100, 100
70	0.1076	0.2689	0.1311	0.2291	0.2086	0.2331	0.1156	0.2376	65- 70	0.4398	1599	100, 100
75	0.0422	0.1171	0.0694	0.0431	0.1157	0.0303	0.0578	0.0907	70- 75	0.0709	1599	100, 100
80	0.0154	0.0461	0.0077	0.0077	0.0464	0	0	0.0309	75- 80	0.0230	1599	100, 100
85	0.0154	0.0077	0.0077	0.0077	0.0002	0	0	0	80- 85	0.0065	1599	100, 100
90	0.0154	0.0077	0.0077	0.0077	0.0000	0	0	0	85- 90	0.0026	1599	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): 1576.3 lm

%lum = 98.6%

%lamp = 98.6%

Conical surface Flux(120deg): 1597.2 lm

%lum = 99.9%

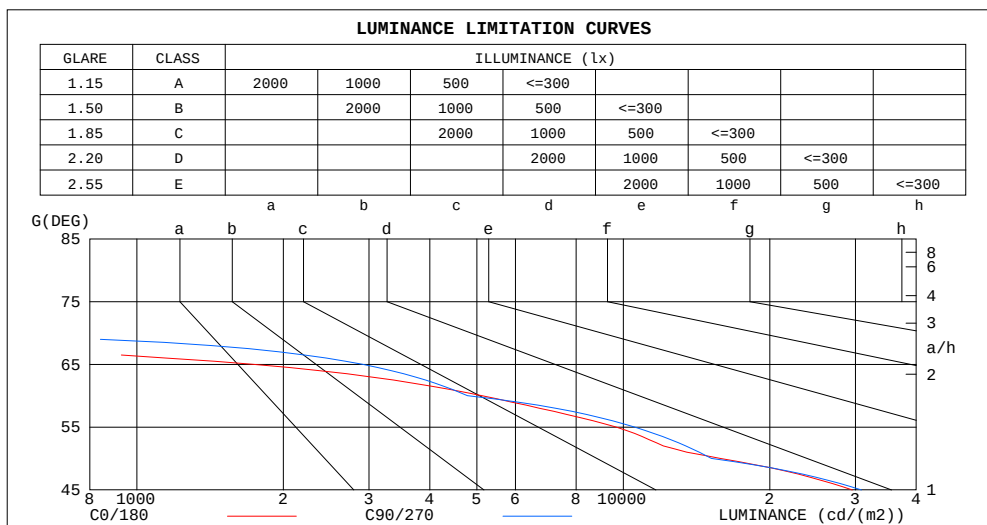
%lamp = 99.9%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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:1599.25x1 lm		
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SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...



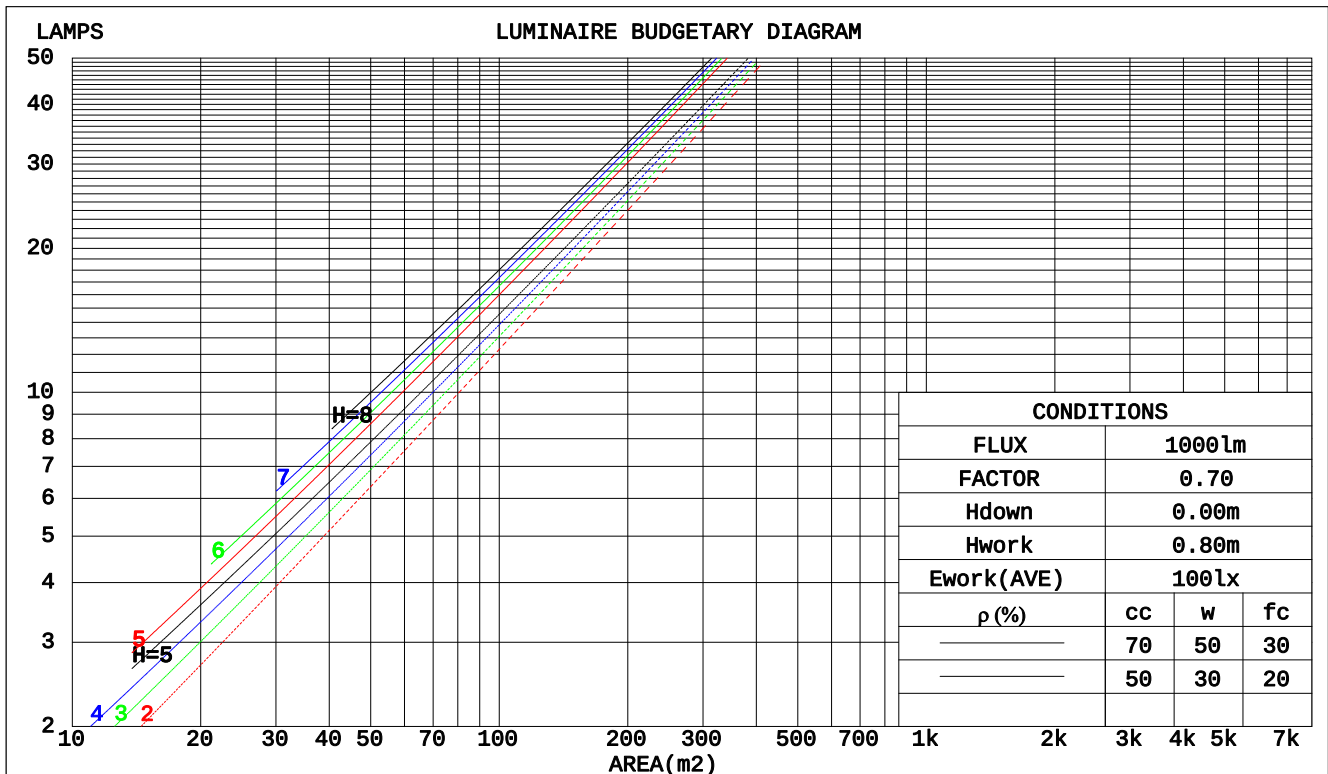
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
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	1.00
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	.99	1.02	.99	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.02	.98	.95	1.01	.97	.94	.98	.95	.93	.96	.93	.91	.94	.92	.90	.89
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.90	.87	.91	.88	.86	.85
5.0	.93	.89	.86	.93	.88	.85	.91	.87	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.82	.88	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.86	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.78	.76
8.0	.83	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.76	.73	.80	.76	.73	.79	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.76	.73	.70	.69



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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:1599.25x1 lm								
NAME: LED Spot Light				TYPE:fixed			WEIGHT:277g	
SPEC.:20W				DIM.: D55*H120mm			SERIAL No.:GEN2026133.01	
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	.144	.082	.026	.137	.078	.025	.125	.072	.023	.113	.065	.021	.103	.060	.019	
2.0	.134	.074	.023	.129	.071	.022	.119	.066	.020	.109	.061	.019	.100	.057	.018	
3.0	.126	.067	.020	.121	.065	.020	.113	.061	.019	.105	.057	.018	.097	.054	.017	
4.0	.119	.062	.018	.115	.060	.018	.107	.057	.017	.101	.054	.016	.094	.051	.016	
5.0	.112	.057	.017	.109	.056	.016	.103	.053	.016	.097	.051	.015	.091	.049	.015	
6.0	.106	.053	.015	.103	.052	.015	.098	.050	.015	.093	.048	.014	.088	.046	.014	
7.0	.101	.050	.014	.099	.049	.014	.094	.048	.014	.090	.046	.013	.085	.044	.013	
8.0	.097	.047	.013	.094	.046	.013	.090	.045	.013	.086	.044	.013	.083	.042	.012	
9.0	.092	.045	.012	.090	.044	.012	.087	.043	.012	.083	.042	.012	.080	.041	.012	
10.0	.089	.042	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.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	.130	.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	.125	.098	.078	.107	.085	.068	.074	.059	.048	.043	.035	.028	.014	.011	.009	
5.0	.115	.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	.099	.068	.047	.085	.059	.041	.059	.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	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.071	.044	.027	.049	.031	.019	.029	.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:2026-08-26

$V(B)$ 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:1599.25x1 lm											
NAME: LED Spot Light					TYPE:fixed			WEIGHT:277g			
SPEC.:20W					DIM.: D55*H120mm			SERIAL No.:GEN2026133.01			
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		15.1	15.8	15.3	15.9	16.1	15.1	15.8	15.3	16.0	16.1
	3H	14.9	15.6	15.2	15.8	15.9	15.0	15.6	15.2	15.8	16.0
	4H	14.8	15.5	15.1	15.7	15.9	14.9	15.5	15.2	15.7	15.9
	6H	14.7	15.3	15.0	15.6	15.8	14.8	15.4	15.1	15.6	15.9
	8H	14.7	15.3	15.0	15.5	15.8	14.8	15.3	15.1	15.6	15.8
	12H	14.7	15.2	15.0	15.5	15.7	14.7	15.3	15.0	15.5	15.8
4H	2H	14.9	15.5	15.1	15.7	15.9	14.9	15.5	15.2	15.8	16.0
	3H	14.7	15.2	15.0	15.5	15.8	14.8	15.3	15.1	15.6	15.8
	4H	14.6	15.1	14.9	15.4	15.7	14.7	15.2	15.0	15.5	15.8
	6H	14.5	14.9	14.9	15.3	15.6	14.6	15.0	14.9	15.3	15.7
	8H	14.4	14.9	14.8	15.2	15.6	14.5	14.9	14.9	15.3	15.6
	12H	14.4	14.8	14.8	15.1	15.5	14.5	14.8	14.9	15.2	15.6
8H	4H	14.4	14.9	14.8	15.2	15.6	14.5	14.9	14.9	15.3	15.6
	6H	14.3	14.7	14.8	15.1	15.5	14.4	14.7	14.8	15.1	15.5
	8H	14.3	14.6	14.7	15.0	15.4	14.3	14.6	14.8	15.1	15.5
	12H	14.2	14.5	14.7	14.9	15.4	14.3	14.5	14.7	15.0	15.4
12H	4H	14.4	14.8	14.8	15.1	15.5	14.5	14.8	14.9	15.2	15.6
	6H	14.3	14.6	14.7	15.0	15.4	14.3	14.6	14.8	15.1	15.5
	8H	14.2	14.5	14.7	14.9	15.4	14.3	14.5	14.7	15.0	15.4
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 8.7					+ 2.8 / - 8.7					
1.5H	+ 4.2 / - 6.0					+ 4.7 / - 6.2					
2.0H	+ 5.2 / - 7.7					+ 5.1 / - 9.0					

CIE Pub.117, 1599 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)

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H(β) Interval: 1.0DEG
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Temperature:25.3DEG
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Humidity:65.0%
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Remarks:

UTILIZATION FACTORS TABLE

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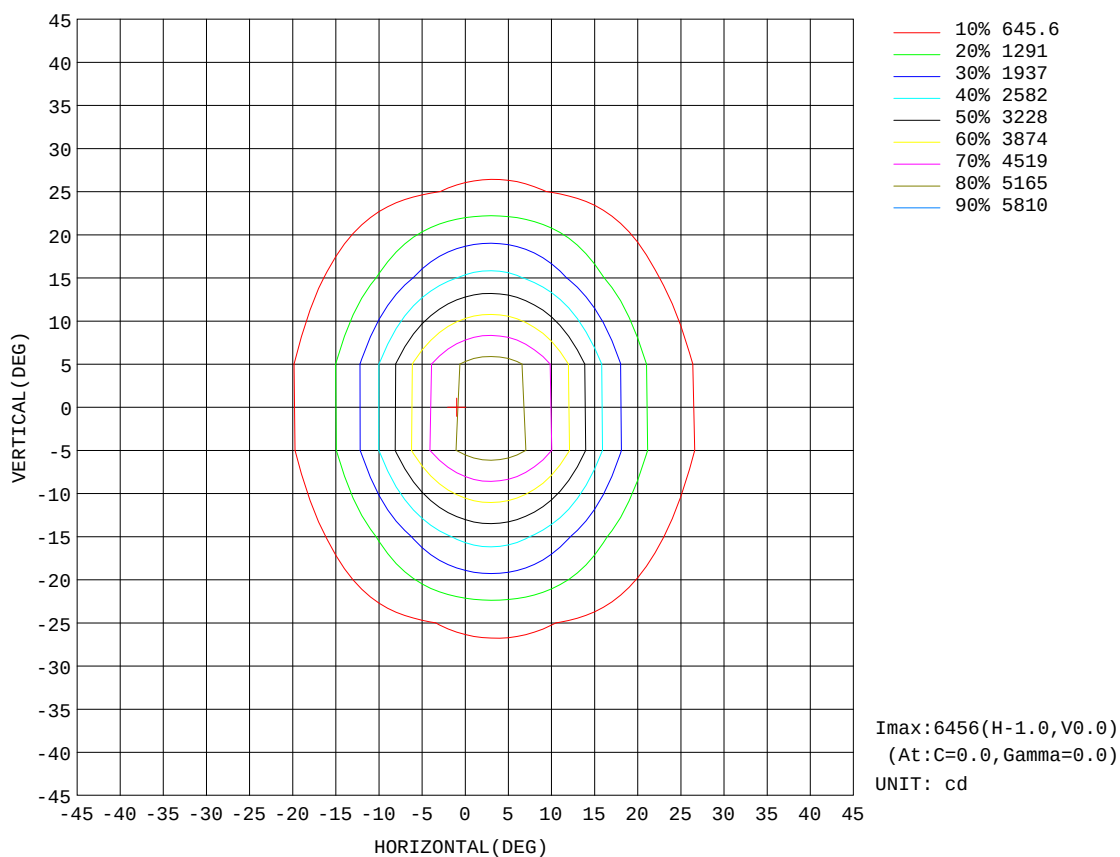
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	84	80	89	83	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	93	100	95	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	103	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					SHRNM = 1.25		

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V(B) Range:-90 - 90DEG
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ISOCANDELA DIAGRAM

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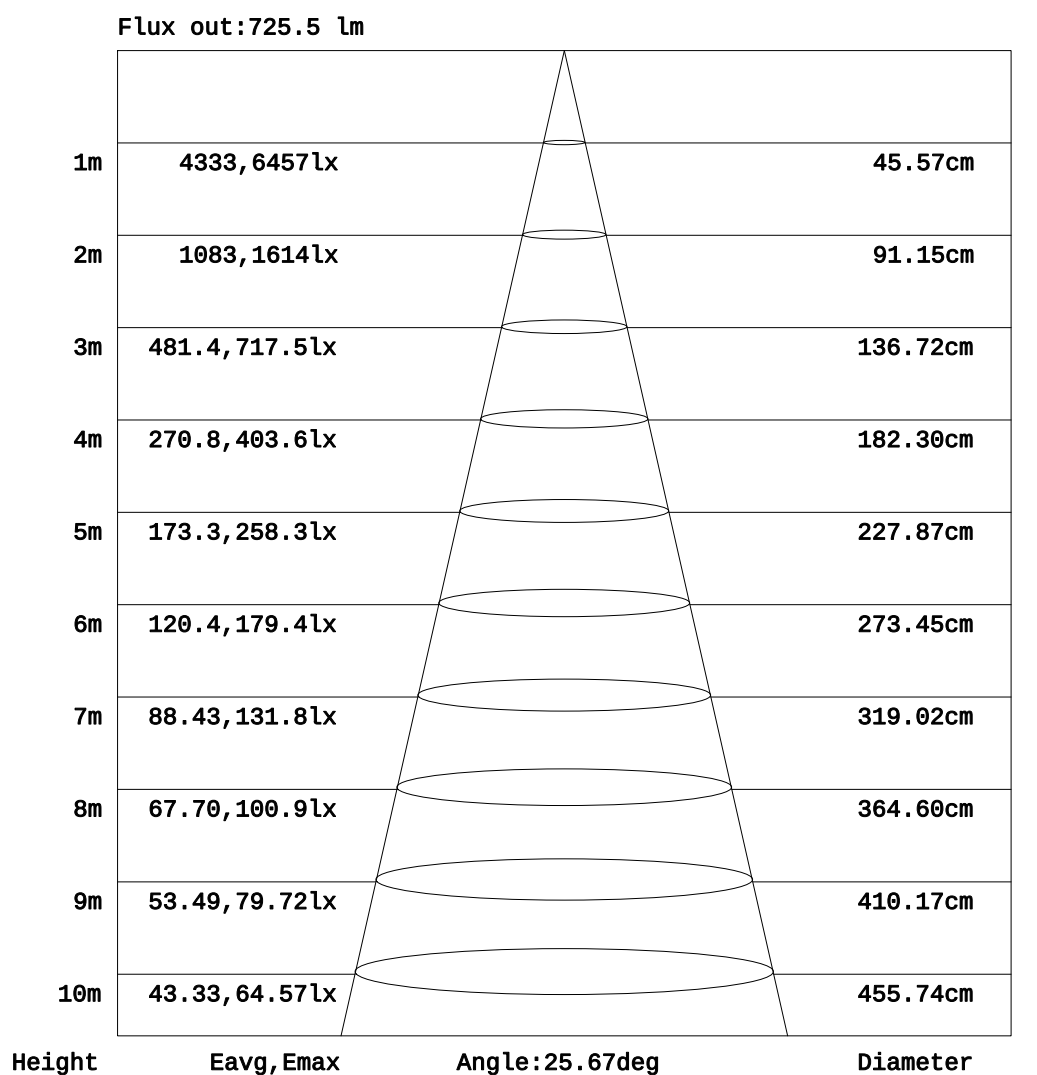


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...



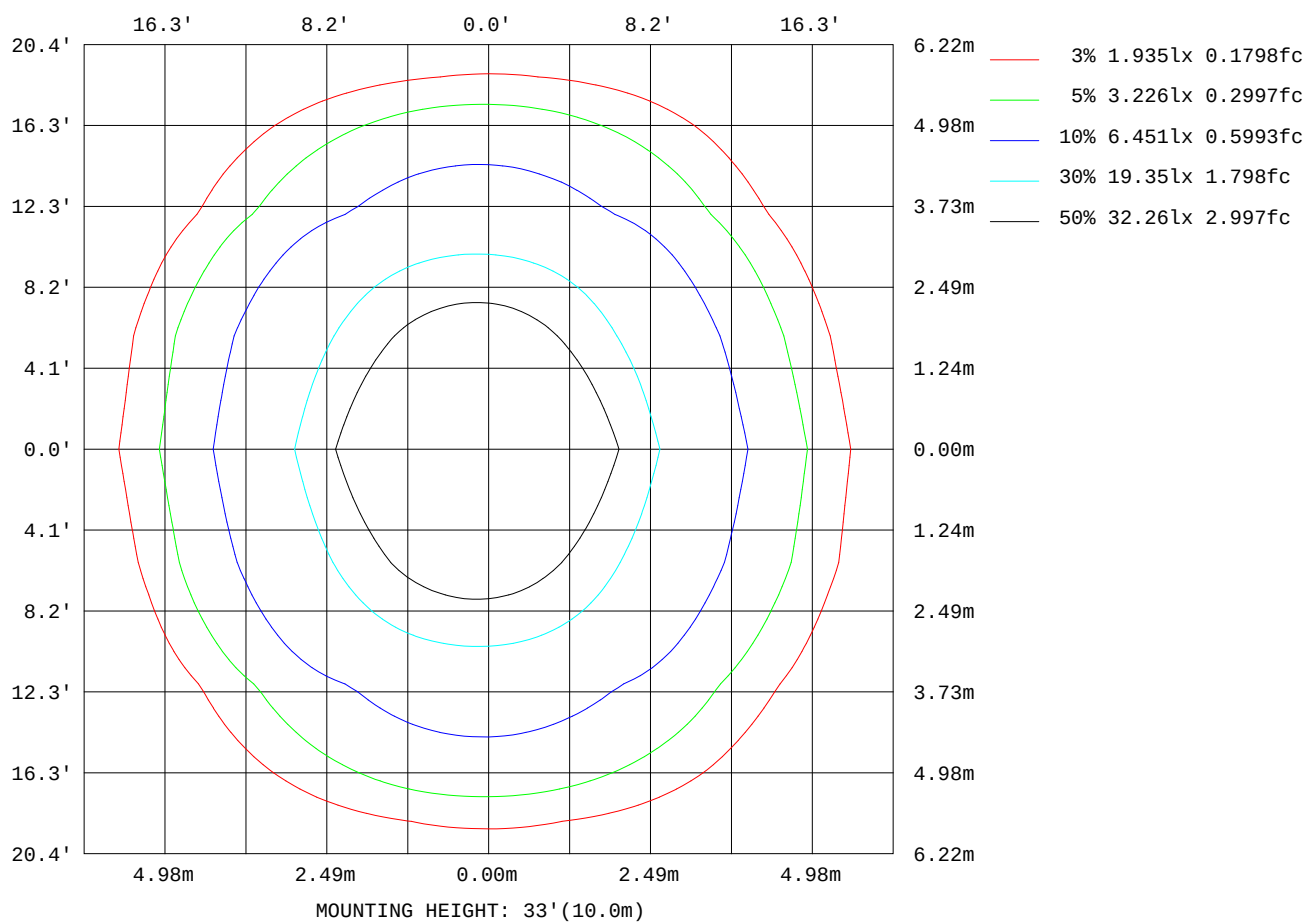
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
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:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

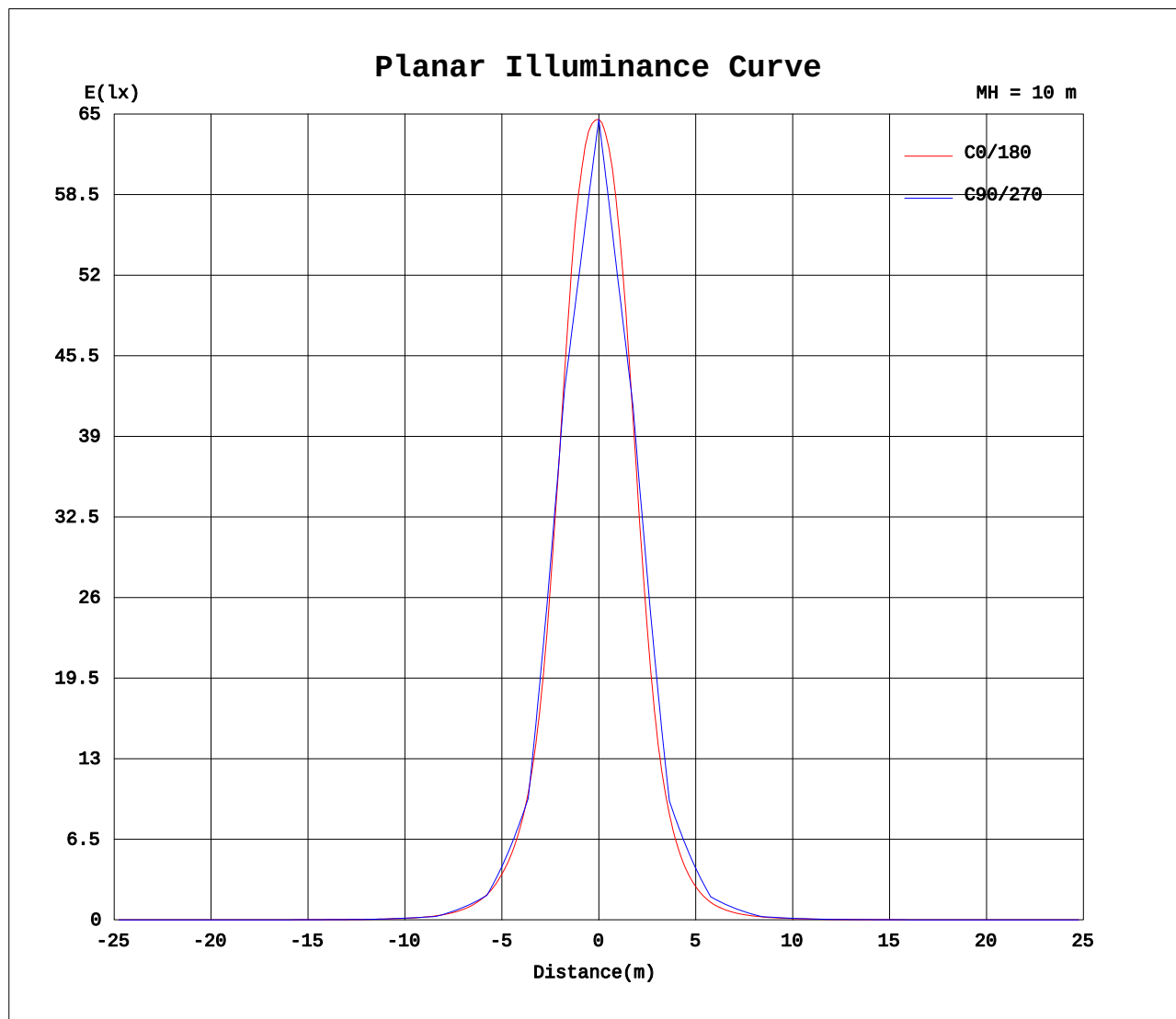
AvgL	cd/m2
L_0~180(65)av	1555
L_0~180(75)av	161
L_0~180(85)av	47
L_90~270(65)av	2945
L_90~270(75)av	130
L_90~270(85)av	23
L_45(65)av	2136
L_45(75)av	144
L_45(85)av	23

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:2026-08-26

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:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
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:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
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:2026-08-26

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:1599.25x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:277g
SPEC.:20W	DIM.: D55*H120mm	SERIAL No.:GEN2026133.01
MFR.: KOE Lighting Ltd.	SUR.:D49mm	Shielding Angle:...

Table - -4

UNIT: cd

[illegible]

H(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-08-26

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	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	6412	6370	6330	6291	6254	6219	6186	6155	6125	6096
5.0	6130	6056	5988	5927	5871	5822	5780	5744	5706	5670
7.5	5564	5470	5393	5332	5285	5239	5202	5177	5157	5124
10.0	4624	4541	4487	4458	4451	4464	4477	4419	4372	4344
12.5	3561	3505	3484	3496	3536	3550	3494	3459	3444	3448
15.0	2558	2536	2553	2602	2648	2589	2547	2527	2521	2597
17.5	1780	1777	1806	1867	1848	1806	1773	1765	1860	1963
20.0	1236	1248	1287	1324	1288	1258	1246	1308	1385	1472
22.5	887.0	899.5	931.7	935.5	909.9	892.8	931.4	982.7	1043	1051
25.0	634.5	651.3	685.5	670.9	654.0	662.3	697.2	743.2	737.4	722.3
27.5	453.2	471.7	499.3	480.4	470.0	493.5	524.4	521.7	505.6	487.0
30.0	314.4	332.5	350.3	338.1	341.1	366.0	376.1	360.7	345.9	370.9
32.5	222.0	238.7	247.5	239.6	248.3	268.8	258.8	243.4	261.2	279.7
35.0	153.9	169.2	173.5	170.0	181.1	182.4	171.4	179.5	194.3	196.1
37.5	108.1	118.8	117.9	117.5	128.4	120.0	116.1	130.0	133.9	124.2
40.0	74.27	82.29	78.93	80.56	85.01	74.91	82.58	90.64	83.80	76.98
42.5	52.23	57.83	54.40	57.04	56.32	52.37	60.26	59.10	51.98	59.22
45.0	39.50	43.19	40.11	42.74	39.66	40.32	42.62	38.95	40.66	45.02
47.5	29.25	32.37	30.02	31.62	28.80	31.18	29.81	30.04	31.18	30.93
50.0	19.22	22.07	20.62	21.00	20.61	21.26	20.36	23.11	21.29	19.44
52.5	13.45	14.52	14.38	14.08	14.95	14.39	14.98	16.59	13.63	15.12
55.0	10.48	11.16	11.36	10.58	11.17	10.80	11.18	11.02	10.98	11.65
57.5	7.314	7.882	8.448	7.898	7.929	8.262	7.756	8.011	8.486	8.047
60.0	4.836	5.253	5.525	5.663	5.236	5.687	5.128	5.861	5.601	5.322
62.5	2.937	3.167	3.199	3.518	3.472	3.124	3.511	3.452	3.331	3.696
65.0	1.382	1.569	1.425	1.596	1.847	1.668	1.873	1.680	2.138	2.088
67.5	0.4067	0.5750	0.5736	0.6012	0.4487	0.8663	0.5283	1.0000	0.9919	0.5261
70.0	0.1076	0.2143	0.2301	0.2463	0.1807	0.2466	0.3073	0.3972	0.1192	0.2689
72.5	0.0597	0.1152	0.1336	0.0668	0.1215	0.1231	0.1368	0.0786	0.1102	0.1930
75.0	0.0422	0.0554	0.0885	0.0589	0.0911	0.0495	0.0691	0.0809	0.0992	0.1171
77.5	0.0154	0.0260	0.0200	0.0776	0.0324	0.0265	0.0704	0.0839	0.0833	0.0782
80.0	0.0154	0.0491	0.0285	0.0345	0.0147	0.0502	0.0660	0.0624	0.0528	0.0461
82.5	0.0154	0.0367	0.0346	0.0141	0.0429	0.0438	0.0370	0.0303	0.0208	0.0129
85.0	0.0154	0.0171	0.0126	0.0377	0.0255	0.0162	0.0077	0.0077	0.0077	0.0077
87.5	0.0154	0.0086	0.0204	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
90.0	0.0154	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	6069	6046	6025	6008	5990	5975	5962	5954	5949	5939
5.0	5639	5609	5577	5552	5525	5502	5481	5457	5441	5409
7.5	5089	5060	5039	5023	5008	5001	4988	4975	4962	4930
10.0	4331	4340	4364	4390	4418	4448	4472	4484	4483	4462
12.5	3468	3517	3581	3630	3663	3678	3679	3667	3647	3614
15.0	2692	2772	2837	2884	2908	2906	2885	2850	2812	2757
17.5	2059	2141	2175	2167	2144	2108	2070	2029	1997	1963
20.0	1526	1526	1502	1451	1388	1319	1254	1207	1182	1181
22.5	1041	1003	928.5	920.7	945.3	964.4	972.8	971.5	959.9	941.3
25.0	683.1	688.3	714.4	737.6	754.0	763.5	763.1	753.4	737.7	717.2
27.5	518.2	541.2	559.5	568.7	564.6	557.0	546.3	534.1	521.6	509.4
30.0	398.1	411.8	405.2	392.2	373.3	351.0	330.1	314.5	305.5	304.6
32.5	287.9	280.2	260.2	231.6	239.2	244.8	247.6	248.1	244.6	238.5
35.0	186.5	166.7	174.7	183.4	188.1	190.1	190.0	188.0	183.6	178.1
37.5	114.3	126.3	135.1	139.4	137.8	134.5	130.5	127.1	123.9	121.4
40.0	88.00	96.29	97.86	93.64	86.52	78.57	71.14	66.12	64.23	65.41
42.5	66.98	67.02	61.77	51.23	49.02	50.84	52.07	52.78	52.73	51.86
45.0	45.81	41.67	38.50	39.00	39.78	40.84	41.46	41.63	41.23	40.26
47.5	29.01	30.64	31.15	30.94	30.62	30.56	30.45	30.26	29.83	29.28
50.0	22.86	24.42	23.99	22.58	21.14	20.10	19.44	18.89	18.43	18.38
52.5	17.88	17.97	16.67	14.50	13.86	14.24	14.83	15.09	14.93	14.60
55.0	12.39	11.70	11.42	11.28	11.08	11.26	11.56	11.63	11.43	11.14
57.5	7.845	8.561	8.814	8.602	8.264	8.193	8.195	8.130	7.975	7.830
60.0	5.787	6.235	6.142	5.754	5.357	5.092	4.828	4.626	4.518	4.545
62.5	3.807	3.699	3.390	3.010	3.250	3.386	3.427	3.445	3.421	3.370
65.0	1.740	1.514	1.973	2.224	2.353	2.399	2.379	2.358	2.324	2.279
67.5	0.7068	1.081	1.366	1.463	1.451	1.394	1.315	1.260	1.228	1.218
70.0	0.4918	0.6745	0.7392	0.6687	0.5358	0.3842	0.2502	0.1619	0.1311	0.1607
72.5	0.2659	0.2599	0.1322	0.1210	0.1132	0.1074	0.1033	0.1010	0.1002	0.1017
75.0	0.1056	0.1003	0.0964	0.0875	0.0807	0.0756	0.0721	0.0701	0.0694	0.0716
77.5	0.0727	0.0670	0.0615	0.0539	0.0481	0.0438	0.0409	0.0391	0.0385	0.0400
80.0	0.0391	0.0322	0.0263	0.0202	0.0155	0.0120	0.0096	0.0082	0.0077	0.0082
82.5	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
85.0	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-08-26

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	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
90.0	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	5933	5932	5935	5940	5944	5953	5966	5984	6007	6032
5.0	5387	5364	5346	5335	5326	5328	5331	5342	5365	5397
7.5	4896	4857	4810	4765	4712	4657	4604	4551	4520	4538
10.0	4414	4355	4287	4209	4120	4020	3918	3819	3722	3636
12.5	3572	3531	3490	3443	3394	3340	3238	3092	2955	2829
15.0	2709	2664	2617	2564	2511	2457	2403	2352	2282	2137
17.5	1938	1906	1864	1808	1738	1693	1663	1630	1599	1571
20.0	1197	1220	1233	1230	1208	1169	1112	1079	1074	1067
22.5	916.0	884.0	848.5	809.8	793.9	797.7	776.1	749.6	703.0	713.1
25.0	693.3	667.0	639.1	612.8	586.2	557.6	536.9	521.2	494.0	466.0
27.5	495.5	478.9	458.8	436.8	419.2	403.5	385.4	366.4	348.6	325.6
30.0	308.0	310.8	311.1	305.4	294.4	277.0	266.9	256.8	245.4	229.2
32.5	229.4	218.6	206.1	192.4	197.7	192.9	181.7	173.3	170.2	165.1
35.0	171.0	163.8	155.5	146.7	136.6	126.6	125.7	119.0	114.0	114.2
37.5	118.4	115.2	110.5	105.0	99.77	93.25	85.89	82.87	78.77	77.71
40.0	68.19	71.49	73.50	73.42	70.62	66.94	63.19	57.87	56.36	54.69
42.5	50.25	48.38	46.32	46.28	49.32	48.81	45.17	43.08	41.39	41.48
45.0	39.01	37.64	36.41	35.42	34.76	35.24	34.48	31.70	31.54	32.57
47.5	28.59	27.83	27.21	26.92	27.01	26.83	26.22	24.37	23.01	24.85
50.0	18.47	18.71	19.14	19.68	20.02	20.05	19.58	17.74	17.13	17.75
52.5	13.99	13.31	12.85	12.95	14.04	14.46	13.66	12.61	12.24	12.59
55.0	10.69	10.23	9.977	9.848	9.621	9.613	9.683	8.917	9.186	9.288
57.5	7.603	7.367	7.245	7.182	7.080	6.826	6.567	6.532	6.326	6.545
60.0	4.590	4.653	4.736	4.820	4.769	4.569	4.530	4.407	4.206	4.010
62.5	3.250	3.090	2.881	2.613	2.727	2.731	2.715	2.738	2.480	2.290
65.0	2.211	2.119	2.006	1.848	1.589	1.165	1.231	1.425	1.361	1.022
67.5	1.213	1.202	1.186	1.126	0.9875	0.7339	0.4631	0.4325	0.6391	0.4601
70.0	0.2293	0.3137	0.4209	0.5025	0.5056	0.3957	0.2696	0.2291	0.2151	0.2233
72.5	0.0939	0.0733	0.0736	0.0785	0.0856	0.1578	0.1414	0.1279	0.1203	0.1300
75.0	0.0648	0.0505	0.0533	0.0576	0.0632	0.0625	0.0540	0.0431	0.0511	0.0732
77.5	0.0369	0.0303	0.0330	0.0366	0.0413	0.0375	0.0359	0.0140	0.0077	0.0221
80.0	0.0093	0.0104	0.0125	0.0155	0.0193	0.0198	0.0196	0.0077	0.0077	0.0077
82.5	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
85.0	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
87.5	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
90.0	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	6059	6091	6127	6166	6208	6254	6302	6252	6203	6158
5.0	5435	5484	5547	5620	5704	5799	5902	5794	5696	5607
7.5	4571	4627	4703	4794	4908	5042	5196	5038	4899	4782
10.0	3559	3601	3673	3771	3897	4052	4237	4049	3891	3761
12.5	2718	2626	2644	2733	2851	2998	3179	2998	2851	2731
15.0	2007	1902	1817	1868	1962	2081	2234	2085	1969	1877
17.5	1467	1361	1277	1240	1310	1399	1511	1403	1319	1254
20.0	1063	987.0	911.8	854.1	885.0	947.8	1030	952.2	894.2	869.1
22.5	720.1	725.1	655.1	601.5	593.9	641.8	704.1	646.5	603.3	615.0
25.0	479.8	490.0	466.9	416.4	394.3	430.7	478.2	435.0	403.3	431.5
27.5	307.6	316.6	324.7	289.6	263.2	288.8	324.4	291.9	270.0	302.0
30.0	210.0	205.9	213.2	201.4	182.1	193.2	217.8	195.5	187.1	210.6
32.5	150.0	135.4	142.3	143.8	129.3	134.2	152.5	136.2	133.9	151.1
35.0	109.7	98.33	97.25	103.6	94.15	94.48	107.4	95.36	97.00	109.3
37.5	78.73	73.25	67.53	73.19	69.73	67.81	77.52	67.79	70.38	74.82
40.0	55.80	55.19	50.18	52.39	51.76	48.91	56.16	48.77	51.51	52.00
42.5	39.88	41.14	39.12	38.55	39.82	37.12	41.64	36.89	39.51	37.94
45.0	31.01	30.91	31.99	29.65	32.33	29.24	32.84	28.93	31.72	28.88
47.5	24.38	22.33	25.35	22.37	24.67	21.96	25.60	21.64	24.06	21.62
50.0	17.55	16.24	17.29	15.81	16.53	14.81	17.67	14.59	16.04	15.21
52.5	11.00	12.04	11.36	11.80	11.37	11.07	12.16	10.94	11.11	11.43
55.0	8.524	9.036	8.382	9.302	8.291	8.412	9.265	8.294	8.077	9.022
57.5	6.364	6.067	6.193	6.277	5.648	6.030	6.593	5.900	5.456	6.037
60.0	4.322	3.839	4.154	3.717	3.779	4.038	4.407	3.939	3.686	3.611
62.5	2.320	2.326	2.108	1.942	2.232	2.309	2.555	2.320	2.265	1.995
65.0	1.011	1.097	0.8442	0.8362	1.026	0.9216	1.101	0.9691	1.125	0.9530
67.5	0.2807	0.3558	0.3522	0.2607	0.3049	0.2430	0.3760	0.2463	0.3171	0.2852
70.0	0.1749	0.1274	0.1823	0.1348	0.1271	0.1199	0.2086	0.1158	0.1310	0.1289
72.5	0.1363	0.0909	0.0976	0.1329	0.0642	0.0981	0.1428	0.0946	0.0807	0.1230
75.0	0.1025	0.0934	0.0663	0.0693	0.0414	0.0895	0.1157	0.0907	0.0463	0.0666
77.5	0.0489	0.0727	0.0664	0.0056	0.0629	0.0710	0.0792	0.0705	0.0590	0.0056

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-08-26

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	0.0077	0.0290	0.0525	0.0315	0.0332	0.0219	0.0464	0.0219	0.0305	0.0249
82.5	0.0077	0.0077	0.0134	0.0381	0.0109	0.0108	0.0270	0.0095	0.0071	0.0292
85.0	0.0077	0.0077	0.0077	0.0077	0.0275	0.0158	0.0002	0.0101	0.0148	0
87.5	0.0077	0.0077	0.0077	0.0077	0.0077	0.0156	0	0.0028	0	0
90.0	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0000	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	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	6116	6078	6045	6015	5988	5963	5943	5927	5917	5911
5.0	5529	5462	5408	5366	5330	5302	5288	5281	5275	5281
7.5	4686	4604	4543	4503	4477	4499	4543	4590	4638	4686
10.0	3659	3582	3534	3602	3679	3765	3849	3937	4026	4107
12.5	2640	2617	2699	2801	2916	3041	3173	3260	3305	3350
15.0	1827	1909	2007	2124	2254	2316	2362	2412	2461	2506
17.5	1296	1381	1486	1585	1602	1623	1648	1671	1715	1779
20.0	932.3	1013	1093	1091	1092	1092	1117	1164	1199	1219
22.5	673.5	752.6	744.7	734.5	720.7	755.1	785.3	801.2	791.9	810.0
25.0	487.7	509.9	496.1	479.7	508.0	530.8	543.6	561.4	586.4	609.0
27.5	343.6	333.4	321.6	335.7	356.0	372.8	389.2	405.6	418.5	432.3
30.0	224.8	216.3	218.9	236.4	248.8	259.8	269.5	276.8	291.5	298.8
32.5	149.1	141.2	155.6	169.1	173.0	174.1	181.5	191.3	192.3	183.3
35.0	101.5	101.8	113.2	116.9	115.3	118.8	123.7	123.4	131.3	140.1
37.5	68.21	73.96	79.74	78.65	78.92	81.35	82.83	90.61	96.64	100.7
40.0	49.32	53.90	54.93	53.96	55.18	55.80	60.98	64.85	68.70	70.56
42.5	38.09	39.73	38.41	40.08	39.68	41.52	43.73	47.33	47.98	44.59
45.0	30.92	29.68	29.69	31.16	30.22	30.55	33.46	34.41	33.96	34.46
47.5	24.38	21.38	23.11	23.75	22.16	23.54	25.50	26.40	26.67	26.61
50.0	16.55	15.54	16.56	16.92	16.61	17.18	19.12	19.80	20.04	19.83
52.5	10.92	11.57	11.22	12.07	12.05	12.23	13.32	14.40	14.40	13.52
55.0	8.082	8.703	8.170	8.936	8.970	8.655	9.455	9.778	10.06	10.31
57.5	5.925	5.816	6.062	6.279	6.101	6.256	6.411	6.902	7.311	7.473
60.0	3.983	3.693	4.105	3.865	4.026	4.138	4.391	4.567	4.859	4.960
62.5	2.118	2.307	2.262	2.261	2.395	2.589	2.632	2.739	2.717	2.609
65.0	0.9204	1.155	1.046	1.091	1.346	1.377	1.242	1.211	1.560	1.843
67.5	0.3701	0.3956	0.3045	0.5170	0.6388	0.4480	0.5120	0.7770	0.9815	1.126
70.0	0.1620	0.1118	0.1587	0.2350	0.2031	0.2331	0.2936	0.4248	0.5102	0.5108
72.5	0.0641	0.0726	0.1165	0.1202	0.1070	0.1216	0.1467	0.1675	0.0933	0.0920
75.0	0.0285	0.0770	0.0905	0.0630	0.0407	0.0303	0.0439	0.0683	0.0656	0.0648
77.5	0.0446	0.0609	0.0386	0.0134	0	0.0050	0.0241	0.0415	0.0383	0.0375
80.0	0.0425	0.0202	0	0	0	0	0.0104	0.0167	0.0131	0.0101
82.5	0.0058	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	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	5904	5900	5901	5906	5915	5920	5928	5941	5957	5975
5.0	5289	5303	5323	5344	5373	5388	5412	5434	5459	5489
7.5	4725	4766	4799	4829	4857	4870	4886	4903	4917	4937
10.0	4177	4235	4286	4326	4341	4345	4341	4326	4302	4276
12.5	3396	3436	3472	3509	3536	3556	3571	3572	3554	3520
15.0	2552	2597	2641	2683	2732	2766	2799	2822	2820	2794
17.5	1827	1865	1895	1915	1945	1970	2009	2043	2072	2096
20.0	1216	1202	1178	1159	1158	1173	1216	1271	1337	1399
22.5	840.3	872.0	900.7	921.6	937.7	942.7	941.3	925.5	907.5	877.4
25.0	633.3	654.6	678.7	699.1	717.2	730.5	736.6	732.2	723.0	702.5
27.5	450.5	466.0	479.6	491.8	502.7	514.0	525.3	533.3	541.0	541.8
30.0	299.9	296.0	290.3	287.2	288.2	297.9	315.2	336.1	356.4	374.2
32.5	194.8	204.8	214.9	224.3	230.8	235.0	236.1	234.5	229.0	221.9
35.0	147.4	153.9	160.4	167.2	173.3	178.3	181.3	182.5	180.7	176.7
37.5	105.0	108.6	111.2	114.0	117.3	121.1	125.2	129.8	133.3	135.2
40.0	69.74	67.29	63.96	61.60	61.27	63.75	69.16	76.86	84.99	91.98
42.5	43.97	45.67	47.33	49.12	50.40	51.01	50.90	50.40	49.44	51.76
45.0	35.03	35.88	37.08	38.46	39.54	40.32	40.52	40.49	40.10	39.59
47.5	26.63	26.91	27.64	28.36	28.92	29.49	29.83	30.32	30.80	31.30
50.0	19.15	18.60	18.48	18.34	18.30	18.64	19.11	19.97	21.15	22.62
52.5	13.21	13.51	14.15	14.64	14.88	14.94	14.62	14.15	13.75	14.19
55.0	10.32	10.43	10.84	11.23	11.45	11.56	11.44	11.19	10.98	10.96
57.5	7.523	7.556	7.756	7.952	8.050	8.129	8.149	8.143	8.174	8.341
60.0	4.888	4.803	4.748	4.689	4.645	4.694	4.856	5.053	5.261	5.526
62.5	2.942	3.199	3.372	3.477	3.513	3.496	3.456	3.353	3.153	2.842
65.0	2.045	2.191	2.288	2.347	2.380	2.389	2.397	2.373	2.281	2.097
67.5	1.209	1.242	1.250	1.245	1.248	1.268	1.317	1.373	1.402	1.377
70.0	0.4376	0.3283	0.2247	0.1464	0.1156	0.1471	0.2365	0.3674	0.5091	0.6237

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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	0.0857	0.0810	0.0837	0.0875	0.0867	0.0875	0.0897	0.0934	0.0989	0.1062
75.0	0.0593	0.0552	0.0540	0.0584	0.0578	0.0585	0.0604	0.0637	0.0684	0.0748
77.5	0.0328	0.0293	0.0274	0.0294	0.0289	0.0294	0.0311	0.0338	0.0379	0.0433
80.0	0.0063	0.0035	0.0015	0.0004	0	0.0004	0.0017	0.0040	0.0073	0.0117
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	6457	6457	6457	6457	6457	6457	6457	6457	6457	6457
2.5	5994	6017	6042	6071	6102	6135	6168	6204	6242	6282
5.0	5519	5555	5590	5625	5667	5709	5749	5796	5850	5910
7.5	4958	4983	5017	5058	5098	5125	5157	5202	5256	5310
10.0	4257	4243	4245	4267	4304	4360	4426	4422	4418	4433
12.5	3475	3414	3372	3362	3368	3392	3436	3501	3496	3466
15.0	2750	2687	2606	2509	2435	2456	2492	2546	2614	2578
17.5	2106	2068	1985	1890	1799	1713	1730	1773	1821	1847
20.0	1444	1466	1464	1418	1337	1265	1204	1219	1257	1300
22.5	884.0	955.3	992.8	1005	1001	940.1	887.9	852.0	878.8	912.3
25.0	678.5	648.0	640.0	681.1	696.1	701.7	660.1	626.9	626.6	645.3
27.5	531.1	508.8	482.8	448.3	469.5	487.8	490.7	457.5	432.8	452.9
30.0	384.9	387.9	371.1	342.4	315.6	330.0	344.3	334.2	311.7	313.7
32.5	248.8	265.2	269.3	259.4	237.7	218.3	234.2	244.2	225.9	219.3
35.0	168.8	160.9	177.1	182.9	177.4	162.3	155.6	166.9	164.8	154.0
37.5	131.2	122.7	111.3	117.6	124.0	119.6	108.8	112.5	119.2	110.7
40.0	95.85	94.13	85.92	75.05	80.11	85.96	80.09	74.21	82.68	79.06
42.5	61.39	66.17	65.73	58.24	52.25	58.62	60.27	53.48	56.89	57.28
45.0	38.89	41.81	45.32	44.61	41.26	39.99	43.57	41.58	40.76	43.27
47.5	31.28	30.74	29.11	30.80	31.62	30.83	30.69	32.18	29.77	32.19
50.0	23.82	24.22	22.70	19.22	21.45	23.59	20.87	21.84	21.15	21.33
52.5	16.17	17.49	17.53	14.83	13.46	16.68	15.14	14.59	15.13	14.20
55.0	10.77	11.03	11.93	11.33	10.74	10.79	11.13	10.68	11.10	10.48
57.5	8.291	7.975	7.385	7.752	8.208	7.700	7.563	8.024	7.675	7.676
60.0	5.752	5.802	5.442	5.024	5.286	5.572	4.850	5.411	4.945	5.397
62.5	3.137	3.433	3.566	3.462	3.061	3.242	3.293	2.921	3.261	3.342
65.0	1.805	1.393	1.599	1.935	1.963	1.556	1.786	1.590	1.778	1.566
67.5	1.250	0.9936	0.6196	0.4725	0.9260	0.9335	0.5754	0.8476	0.4903	0.6403
70.0	0.6724	0.6177	0.4321	0.2376	0.1323	0.3741	0.3286	0.2695	0.1991	0.2578
72.5	0.1167	0.2345	0.2290	0.1649	0.1061	0.0744	0.1196	0.1209	0.1272	0.0670
75.0	0.0832	0.0878	0.0886	0.0907	0.0829	0.0688	0.0346	0.0370	0.0871	0.0559
77.5	0.0504	0.0555	0.0588	0.0575	0.0627	0.0626	0.0442	0.0112	0.0300	0.0610
80.0	0.0174	0.0232	0.0283	0.0309	0.0371	0.0425	0.0509	0.0292	0.0084	0.0263
82.5	0	0	0	0.0042	0.0109	0.0177	0.0256	0.0282	0.0276	0.0094
85.0	0	0	0	0	0	0	0	0.0065	0.0134	0.0233
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	6457	6457								
2.5	6324	6368								
5.0	5977	6050								
7.5	5379	5463								
10.0	4470	4533								
12.5	3464	3495								
15.0	2537	2528								
17.5	1793	1770								
20.0	1271	1240								
22.5	916.4	892.0								
25.0	668.3	642.5								
27.5	480.5	462.5								
30.0	334.2	324.3								
32.5	233.9	231.9								
35.0	163.2	163.8								
37.5	113.5	116.4								
40.0	78.12	81.80								
42.5	54.32	57.77								
45.0	40.30	43.27								
47.5	30.29	32.50								
50.0	20.76	22.12								
52.5	14.40	14.51								
55.0	11.28	11.12								
57.5	8.288	7.820								
60.0	5.331	5.139								
62.5	3.051	3.066								

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

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:

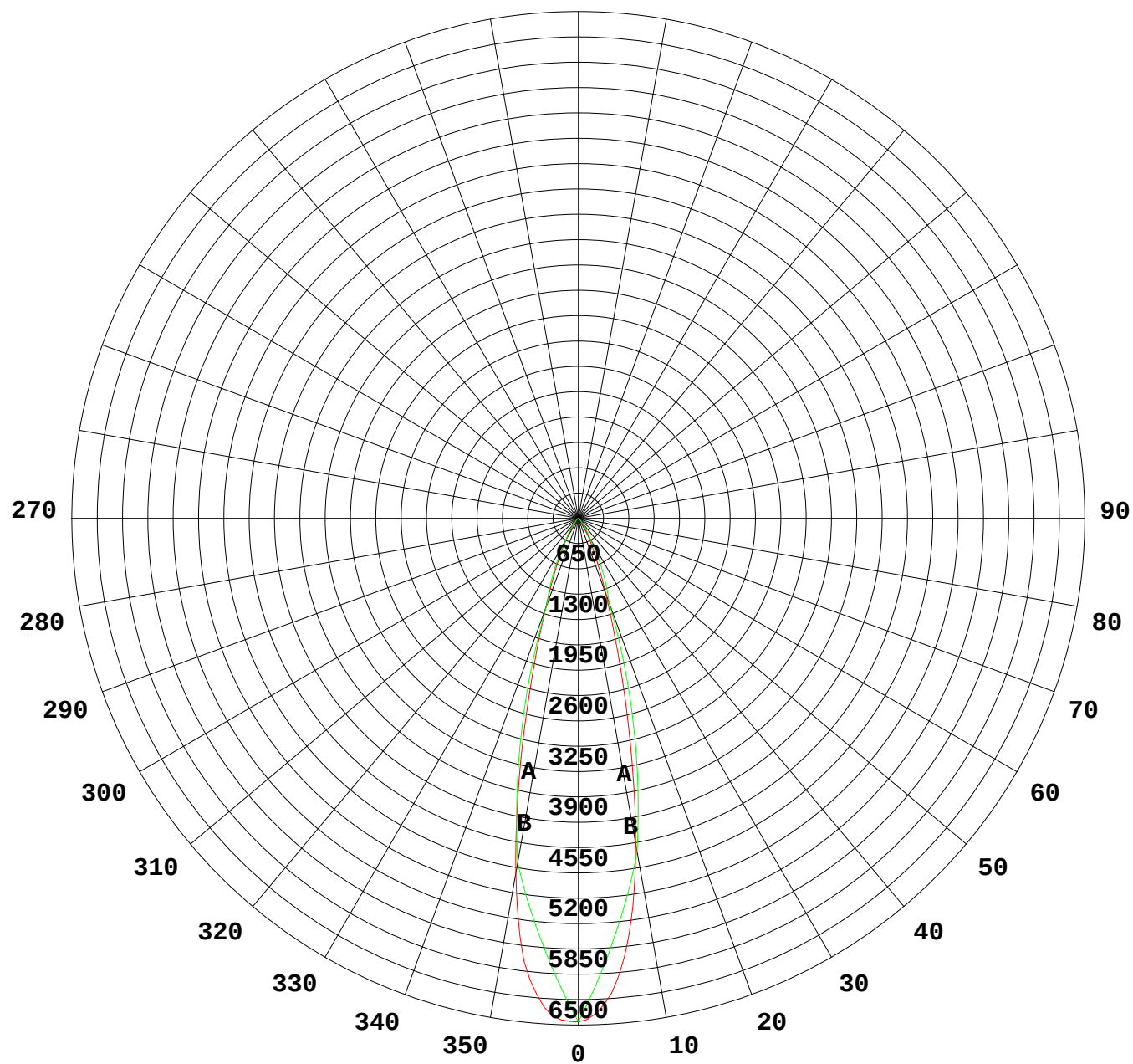
Photometric Data Table [cd]

65.0	1.411	1.564
67.5	0.5929	0.5844
70.0	0.2346	0.2173
72.5	0.1327	0.1177
75.0	0.0886	0.0538
77.5	0.0208	0.0197
80.0	0.0250	0.0447
82.5	0.0306	0.0367
85.0	0.0052	0.0152
87.5	0.0063	0.0029
90.0	0	0

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-26

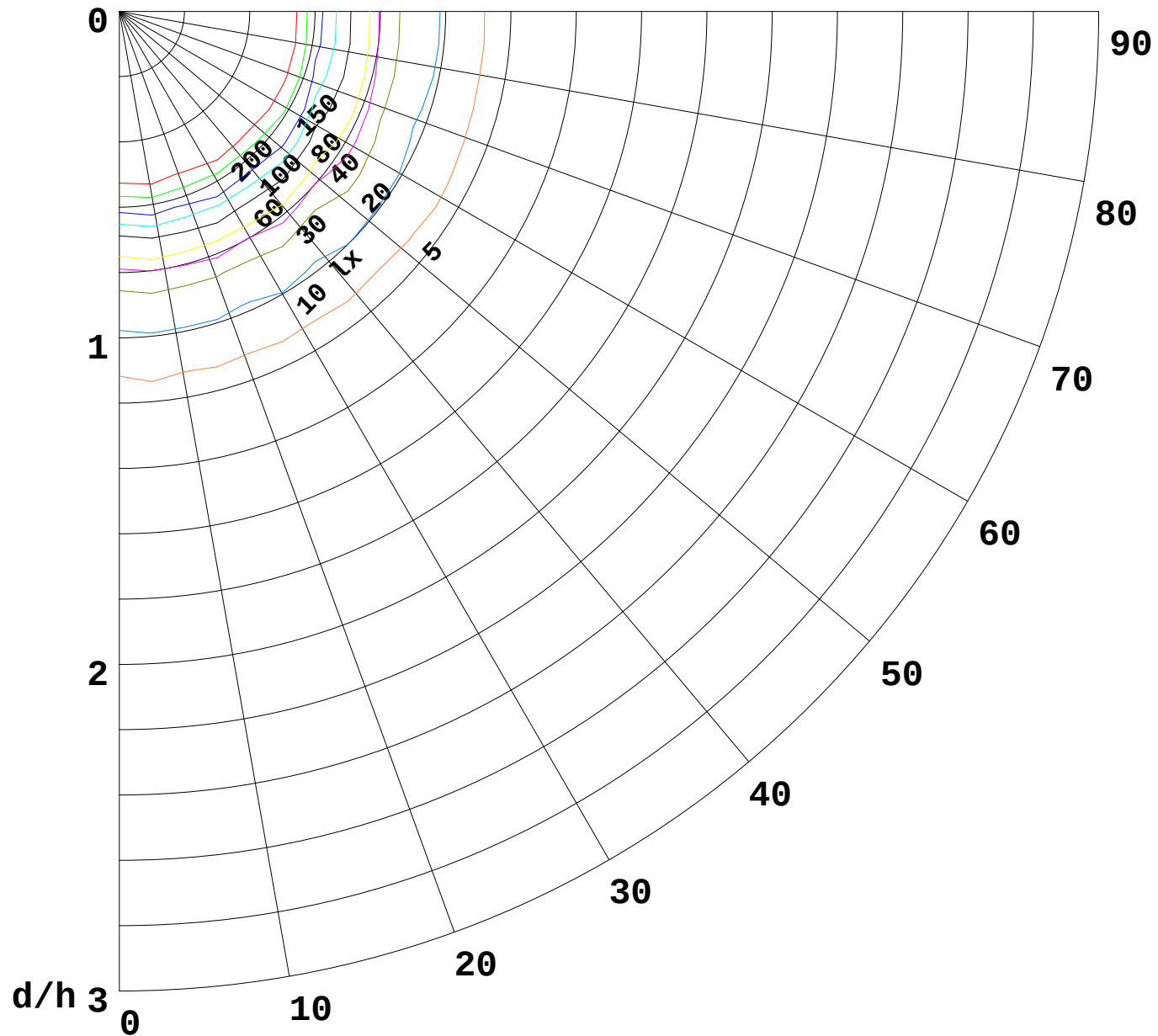
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

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

