

TEST REPORT

Report reference No.....	GEN2026091.01								
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-A10C1 SBK 3000K[CRI90] I24D (LP250-10-48V)

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	9.5	1	900	860	E	2960	50000	3000K	24

Power supply	LP250-10-48V								
Light model	COB 36V 3000K CRI90, 320mA 12W D10.5, <TQ1-1510D-1203B8-H30A0> ANSI, 1130LM								

Light Output Ratio:	80%	
Luminaire Power:	9.5W	
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: 2026-08-07

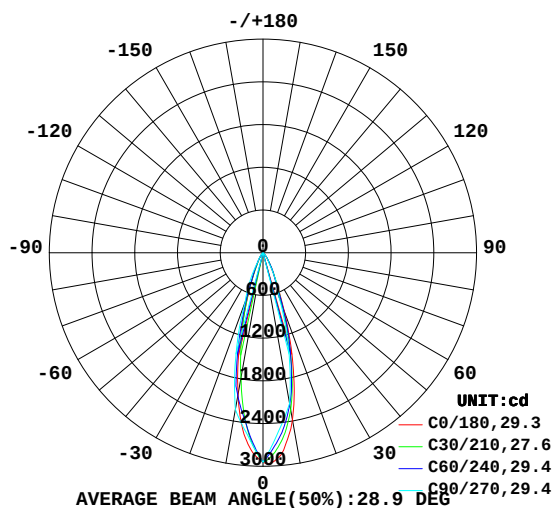
V(B) Range: -90 - 90DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

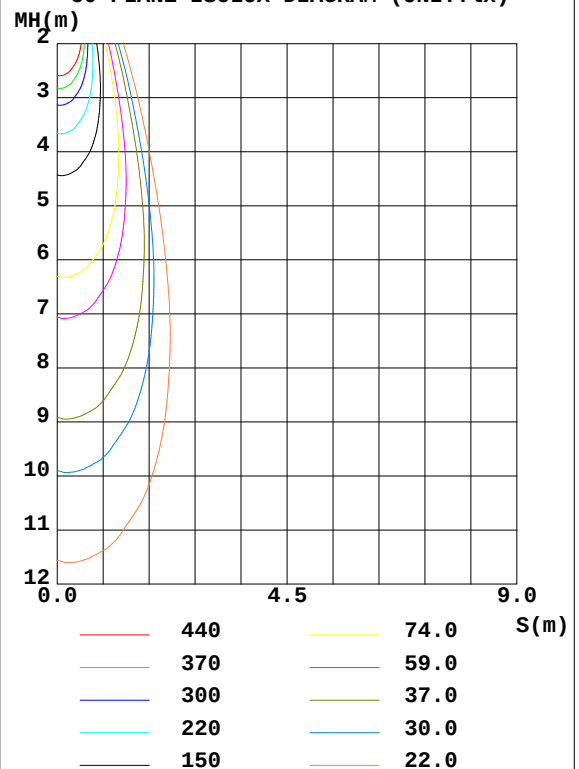
Test:U:48.00V I:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.08 lm/W			
MODEL	Q1-1510D-1203B8-H30A0	I _{max} (cd)	2964	S/MH(C0/180)	0.45
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	36	TOTAL FLUX(lm)	875.09	η UP, DN(C0-180)	0.0, 49.8
NOMINAL FLUX(lm)	875.09	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	48	η down(%)	100.0	CIBSE SHR MAX	0.50

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:2026-08-07

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	2856	2653	2516	2445	2652	2474	2560	2685	0- 5	65.12	65.12	7.44, 7.44
10	2384	2180	2151	1854	2025	1904	2237	2254	5- 10	166.7	231.8	26.5, 26.5
15	1625	1506	1387	1243	1227	1302	1466	1604	10- 15	205.5	437.3	50, 50
20	878.2	895.6	656.2	599.0	571.0	605.6	732.4	968.5	15- 20	169.7	606.9	69.4, 69.4
25	417.3	423.8	410.1	288.3	261.5	262.3	429.9	444.5	20- 25	107.7	714.6	81.7, 81.7
30	210.4	218.8	173.5	158.1	136.1	131.0	143.7	208.0	25- 30	65.64	780.3	89.2, 89.2
35	118.8	133.1	113.1	86.45	78.22	70.38	92.21	120.3	30- 35	39.12	819.4	93.6, 93.6
40	65.05	68.56	54.77	42.07	35.35	34.59	43.22	59.69	35- 40	24.69	844.1	96.5, 96.5
45	26.37	36.26	33.54	19.15	16.95	17.87	28.28	33.28	40- 45	13.36	857.4	98, 98
50	14.66	13.73	12.94	11.91	11.78	12.24	13.90	14.10	45- 50	7.487	864.9	98.8, 98.8
55	10.23	9.904	8.749	7.235	7.447	7.688	9.511	10.17	50- 55	4.822	869.8	99.4, 99.4
60	6.003	5.661	4.624	3.715	3.633	4.139	5.210	5.787	55- 60	3.147	872.9	99.7, 99.7
65	2.233	2.415	2.363	1.117	0.8384	1.267	2.649	2.565	60- 65	1.574	874.5	99.9, 99.9
70	0.2116	0.4019	0.1072	0.1295	0.1322	0.1516	0.1299	0.5189	65- 70	0.5006	875.0	100, 100
75	0.0577	0.1090	0.0639	0.0375	0.0785	0.0558	0.0742	0.1259	70- 75	0.0758	875.1	100, 100
80	0.0370	0.0329	0.0206	0.0211	0.0454	0.0264	0.0206	0.0476	75- 80	0.0253	875.1	100, 100
85	0.0041	0.0186	0.0103	0.0145	0.0186	0.0118	0.0103	0.0145	80- 85	0.0098	875.1	100, 100
90	0.0041	0.0435	0	0.0000	0.0000	0.0000	0	0.0000	85- 90	0.0034	875.1	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): 857.45 lm

%lum = 98.0%

%lamp = 98.0%

Conical surface Flux(120deg): 872.9 lm

%lum = 99.7%

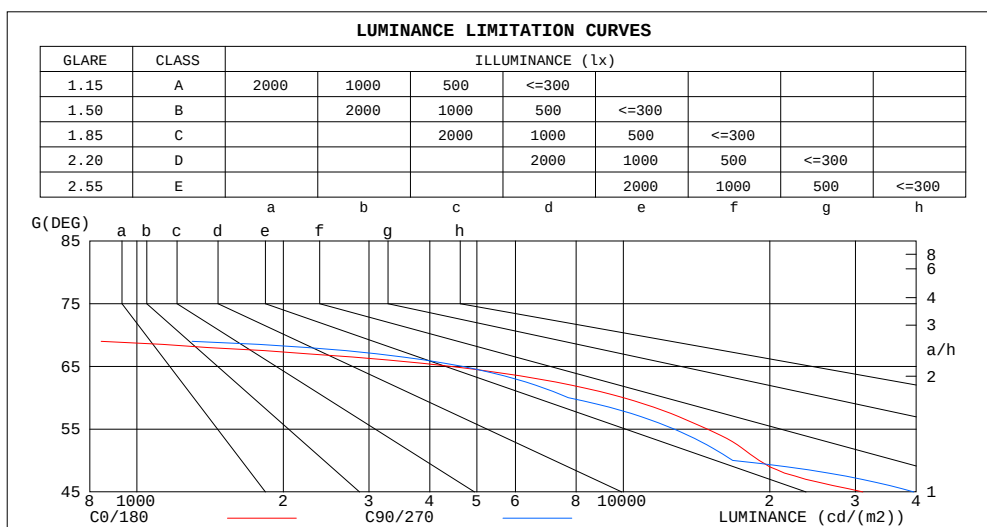
%lamp = 99.7%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
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 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-08-07

$V(B)$ 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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
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SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	39	99
80	177	99
75	186	206
70	516	261
65	4404	4659
60	10004	7707
55	14870	12711
50	19008	16775
45	31078	39528

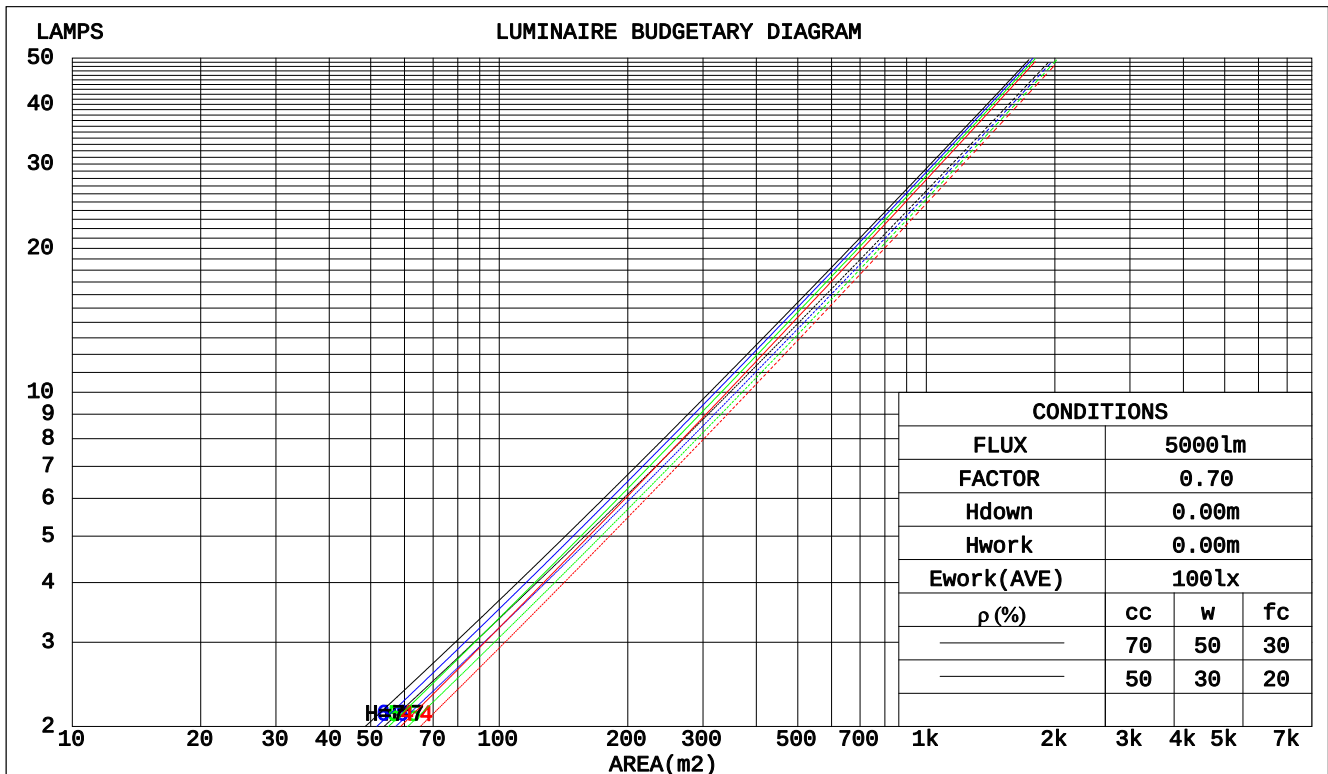
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.12	1.10	1.08	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	1.00	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.88
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.87	.84	.91	.87	.84	.90	.86	.83	.88	.85	.82	.87	.84	.82	.80
6.0	.88	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.73	.71	.77	.73	.70	.76	.73	.70	.69
10.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



H(β) Range:-90 - 90DEG
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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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm									
NAME: LED Spot Light					TYPE:fixed			WEIGHT:203g	
SPEC.:9.5W					DIM.: D45*H100mm			SERIAL No.:GEN2026091.01	
MFR.: KOE Lighting Ltd.					SUR.:D39			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	.149	.085	.027	.142	.081	.026	.130	.074	.024	.118	.068	.022	.108	.062	.020	
2.0	.140	.077	.023	.134	.074	.023	.124	.069	.021	.114	.064	.020	.105	.060	.019	
3.0	.131	.070	.021	.127	.068	.020	.118	.064	.019	.110	.060	.018	.103	.057	.018	
4.0	.124	.064	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.117	.060	.017	.114	.058	.017	.108	.056	.016	.102	.054	.016	.096	.051	.015	
6.0	.111	.056	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.106	.052	.015	.103	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.101	.049	.014	.099	.049	.014	.095	.047	.014	.091	.046	.013	.087	.045	.013	
9.0	.097	.047	.013	.095	.046	.013	.091	.045	.013	.088	.044	.013	.084	.043	.012	
10.0	.093	.045	.012	.091	.044	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.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	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.074	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.089	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.072	.045	.026	.050	.032	.019	.029	.019	.011	.009	.006	.004	

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-08-07

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	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	18.8	19.6	19.0	19.7	19.9	18.3	19.0	18.5	19.1	19.3
3H	18.7	19.4	18.9	19.5	19.7	18.1	18.8	18.4	19.0	19.2
4H	18.6	19.2	18.9	19.5	19.7	18.0	18.7	18.3	18.9	19.1
6H	18.5	19.1	18.8	19.4	19.6	18.0	18.6	18.2	18.8	19.0
8H	18.5	19.1	18.8	19.3	19.6	17.9	18.5	18.2	18.7	19.0
12H	18.4	19.0	18.7	19.2	19.5	17.9	18.4	18.2	18.7	19.0
4H 2H	18.6	19.3	18.9	19.5	19.7	18.1	18.7	18.3	18.9	19.2
3H	18.5	19.0	18.8	19.3	19.6	17.9	18.5	18.2	18.8	19.0
4H	18.4	18.9	18.7	19.2	19.5	17.8	18.4	18.2	18.7	19.0
6H	18.3	18.7	18.7	19.1	19.4	17.7	18.2	18.1	18.5	18.9
8H	18.2	18.7	18.6	19.0	19.4	17.7	18.1	18.1	18.5	18.8
12H	18.2	18.6	18.6	18.9	19.3	17.6	18.0	18.0	18.4	18.8
8H 4H	18.2	18.7	18.6	19.0	19.4	17.7	18.1	18.1	18.5	18.8
6H	18.1	18.5	18.5	18.9	19.3	17.6	17.9	18.0	18.3	18.7
8H	18.1	18.4	18.5	18.8	19.2	17.5	17.8	18.0	18.2	18.7
12H	18.0	18.3	18.5	18.7	19.2	17.5	17.7	17.9	18.2	18.6
12H 4H	18.2	18.6	18.6	18.9	19.3	17.6	18.0	18.0	18.4	18.8
6H	18.1	18.4	18.5	18.8	19.2	17.5	17.8	18.0	18.2	18.7
8H	18.0	18.3	18.5	18.7	19.2	17.5	17.7	17.9	18.2	18.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 7.0					+ 2.5 / - 7.3				
1.5H	+ 4.4 / - 4.8					+ 4.1 / - 5.3				
2.0H	+ 4.0 / - 4.5					+ 5.1 / - 6.5				

CIE Pub.117, 875.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)

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Operators:Judy
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Humidity:65.0%
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Remarks:

UTILIZATION FACTORS TABLE

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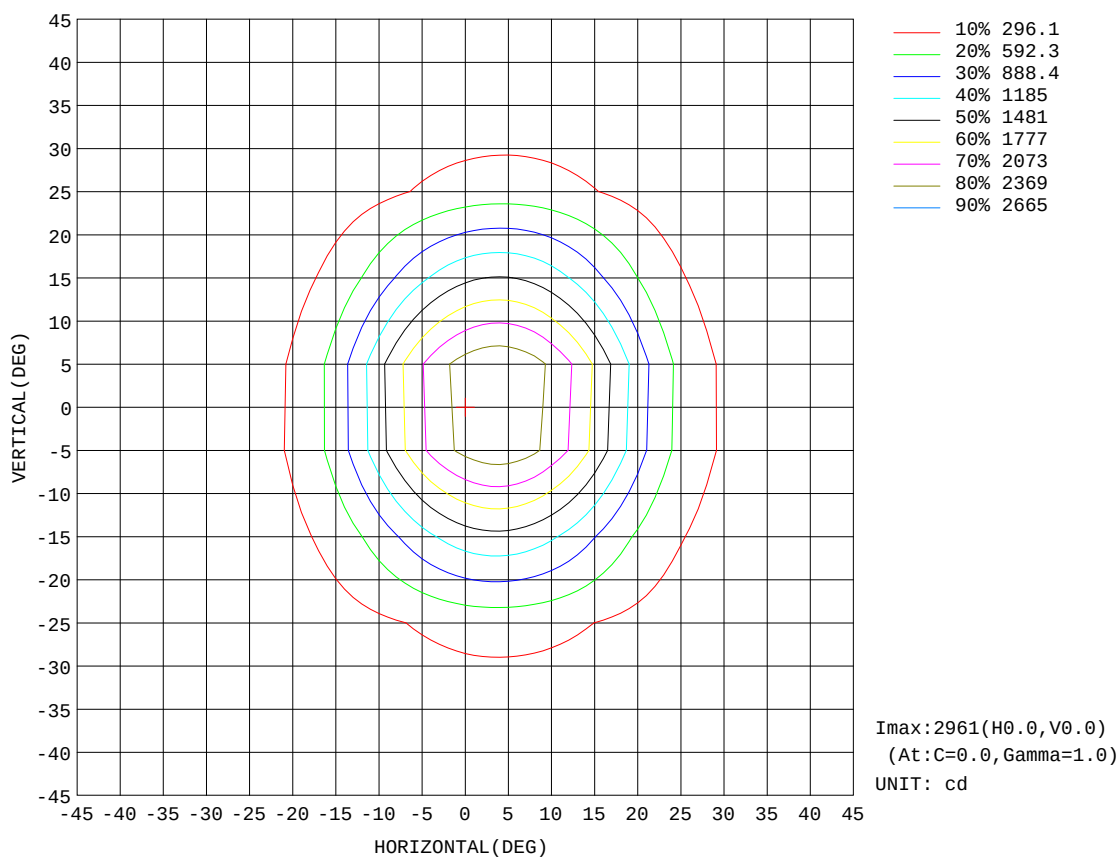
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	87	95	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	104	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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ISOCANDELA DIAGRAM

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NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

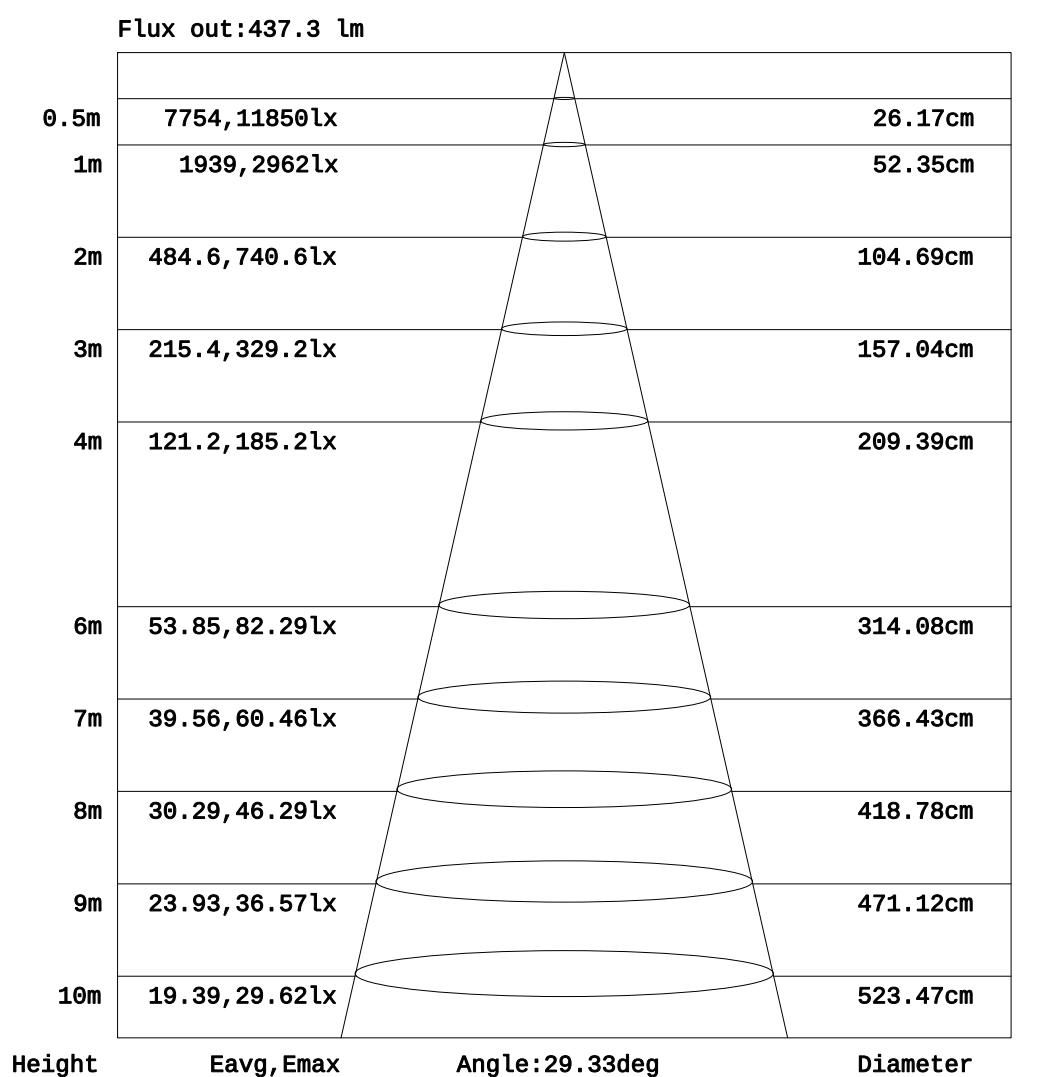


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-07

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...



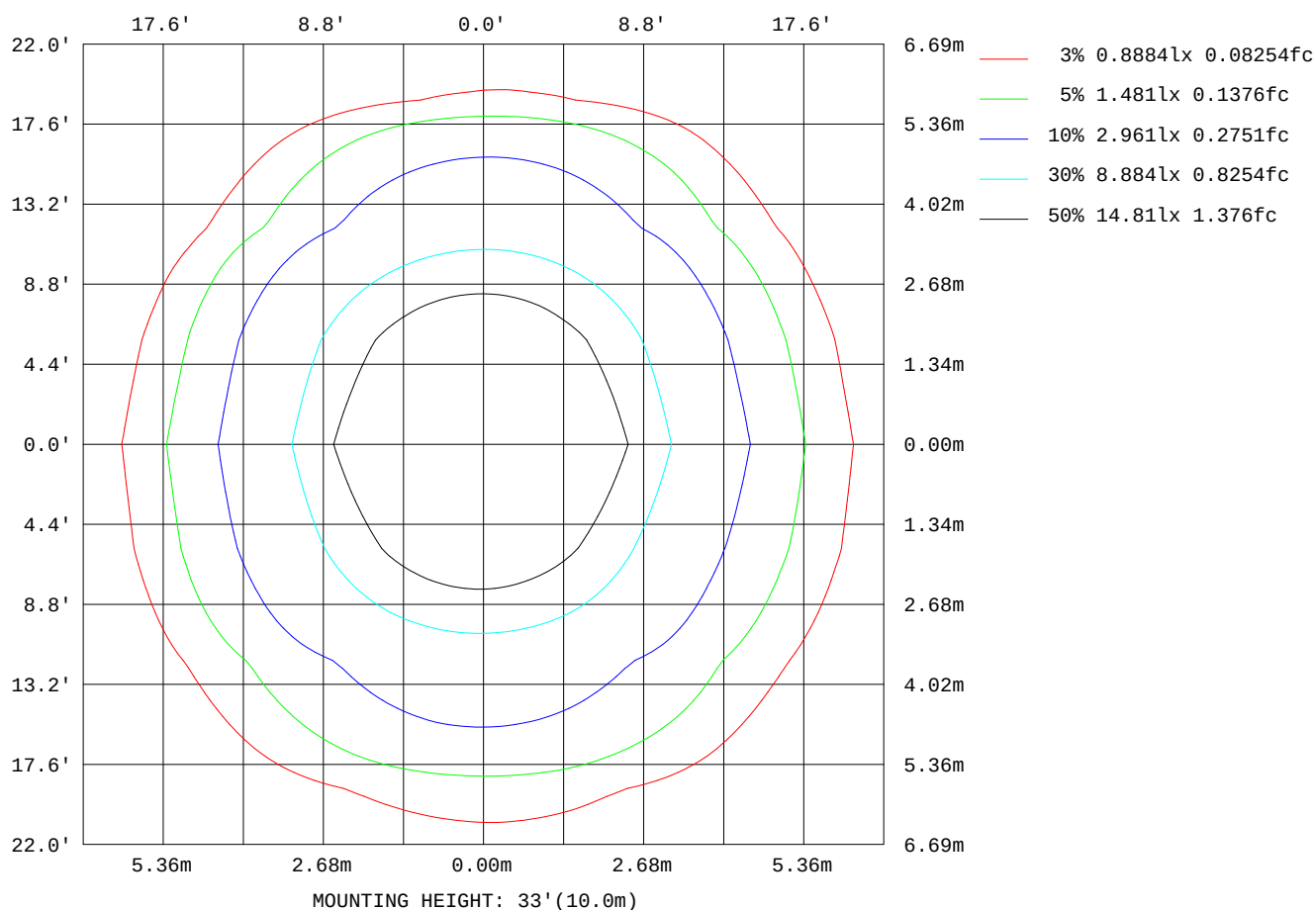
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-07

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-08-07

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

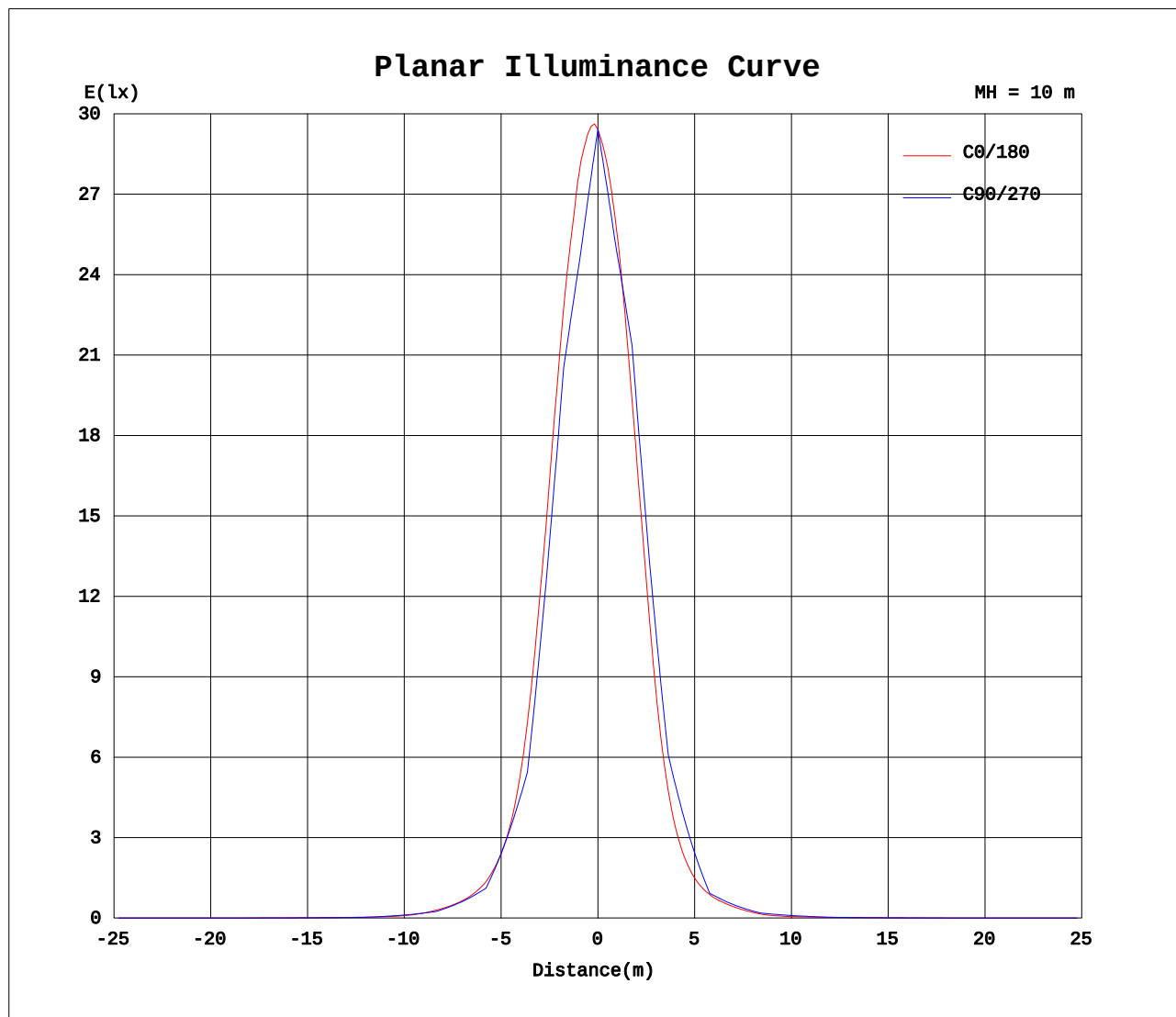
AvgL	cd/m2
L_0~180(65)av	3028
L_0~180(75)av	219
L_0~180(85)av	109
L_90~270(65)av	4942
L_90~270(75)av	222
L_90~270(85)av	99
L_45(65)av	3630
L_45(75)av	264
L_45(85)av	142

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:2026-08-07

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:2026-08-07

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

Table - -1

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-08-07

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:

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:0.1980A P:9.504W PF:1.000 Freq:0Hz Lamp Flux:875.09x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:203g
SPEC.:9.5W	DIM.: D45*H100mm	SERIAL No.:GEN2026091.01
MFR.: KOE Lighting Ltd.	SUR.:D39	Shielding Angle:...

UNIT: cd

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-08-07

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	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2947	2931	2914	2899	2884	2870	2856	2844	2831	2818
5.0	2856	2825	2796	2769	2745	2722	2702	2685	2668	2653
7.5	2643	2606	2574	2548	2527	2510	2497	2486	2473	2453
10.0	2384	2342	2308	2283	2263	2251	2240	2211	2191	2180
12.5	2029	1990	1965	1952	1949	1937	1902	1878	1863	1858
15.0	1625	1596	1584	1587	1590	1547	1518	1500	1496	1506
17.5	1240	1219	1216	1229	1196	1158	1133	1126	1153	1175
20.0	878.2	871.5	883.6	894.2	853.0	819.4	803.8	836.7	868.9	895.6
22.5	605.9	606.5	621.4	613.6	581.2	552.2	580.5	614.9	647.0	636.2
25.0	417.3	422.2	439.2	421.8	400.1	399.5	422.4	452.4	445.6	423.8
27.5	296.7	303.1	315.4	298.7	284.2	296.7	314.1	311.5	297.9	276.1
30.0	210.4	219.4	227.5	216.5	214.3	225.7	229.6	218.3	204.3	218.8
32.5	157.0	164.4	167.3	160.9	165.9	175.2	168.3	156.7	164.2	173.6
35.0	118.8	125.6	126.5	122.8	129.6	132.0	125.2	125.8	131.6	133.1
37.5	89.85	96.87	96.26	95.67	101.4	97.74	95.96	99.17	100.1	96.78
40.0	65.05	72.00	69.79	70.95	73.92	69.46	71.72	73.39	69.32	68.56
42.5	42.47	49.37	45.56	48.96	47.55	46.00	51.68	46.88	43.79	50.80
45.0	26.37	30.93	27.31	31.70	28.30	30.41	32.90	26.10	31.31	36.26
47.5	18.30	20.29	18.73	20.69	18.16	21.37	19.68	19.37	23.08	22.82
50.0	14.66	15.40	14.91	15.28	14.71	15.58	14.19	15.50	16.15	13.73
52.5	12.53	13.00	12.81	12.52	12.73	12.39	12.28	12.33	11.78	11.80
55.0	10.23	10.73	10.81	10.15	10.62	10.19	10.38	9.817	9.866	9.904
57.5	8.070	8.419	8.738	8.271	8.266	8.361	8.055	7.894	8.024	7.686
60.0	6.003	6.246	6.445	6.512	6.121	6.360	5.992	6.196	5.852	5.661
62.5	4.023	4.159	4.195	4.476	4.394	4.105	4.359	4.148	3.944	4.072
65.0	2.233	2.386	2.265	2.383	2.628	2.436	2.521	2.381	2.599	2.415
67.5	0.8408	1.030	1.058	1.040	0.8355	1.307	0.8330	1.444	1.256	0.7476
70.0	0.2116	0.3449	0.3860	0.4158	0.3378	0.3266	0.4614	0.5810	0.1796	0.4019
72.5	0.0998	0.1392	0.1330	0.0988	0.1521	0.1372	0.1756	0.0963	0.1399	0.2546
75.0	0.0577	0.0727	0.0874	0.0750	0.0882	0.0721	0.0610	0.0834	0.0997	0.1090
77.5	0.0454	0.0465	0.0524	0.0714	0.0570	0.0434	0.0576	0.0669	0.0664	0.0608
80.0	0.0370	0.0466	0.0393	0.0367	0.0367	0.0435	0.0506	0.0448	0.0395	0.0329
82.5	0.0113	0.0283	0.0287	0.0111	0.0299	0.0308	0.0255	0.0185	0.0116	0.0045
85.0	0.0041	0.0101	0.0076	0.0251	0.0126	0.0072	0.0001	0.0016	0.0046	0.0186
87.5	0.0041	0.0091	0.0088	0.0004	0.0034	0.0051	0.0062	0.0070	0.0126	0.0373
90.0	0.0041	0.0082	0.0082	0.0082	0.0124	0.0124	0.0124	0.0124	0.0206	0.0435

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2806	2794	2784	2775	2764	2753	2743	2735	2729	2721
5.0	2640	2626	2611	2598	2581	2565	2549	2531	2516	2499
7.5	2435	2421	2409	2399	2388	2378	2363	2348	2333	2313
10.0	2169	2164	2163	2165	2168	2170	2168	2161	2151	2132
12.5	1862	1863	1855	1846	1836	1824	1807	1788	1769	1748
15.0	1513	1514	1508	1496	1482	1464	1439	1413	1387	1360
17.5	1190	1195	1180	1150	1120	1092	1067	1042	1022	1003
20.0	894.8	868.3	834.2	794.2	755.1	719.1	690.3	668.0	656.2	650.6
22.5	609.4	568.4	516.5	513.8	528.9	538.8	543.2	540.6	533.2	520.4
25.0	381.6	380.1	397.7	414.0	424.3	428.5	427.6	420.9	410.1	396.3
27.5	291.1	303.7	315.2	322.8	321.5	316.2	308.7	300.2	291.8	283.5
30.0	231.8	238.3	235.1	228.1	217.9	204.3	190.4	179.6	173.5	173.3
32.5	178.4	173.2	162.0	144.1	145.9	147.7	147.5	146.2	143.3	140.0
35.0	129.4	118.6	117.7	117.9	118.7	119.4	118.4	116.4	113.1	109.7
37.5	92.89	93.31	93.05	92.60	91.31	90.25	88.31	86.46	83.94	81.43
40.0	71.62	71.31	68.19	65.22	62.61	60.54	58.12	56.43	54.77	53.34
42.5	52.79	48.49	43.00	38.18	40.28	43.35	44.69	45.07	44.16	42.21
45.0	33.36	26.96	25.71	29.14	32.42	34.35	34.85	34.60	33.54	31.92
47.5	16.97	18.65	21.01	23.28	24.85	25.22	24.74	24.06	23.24	22.44
50.0	14.05	15.49	16.67	17.12	17.03	16.02	14.66	13.51	12.94	13.11
52.5	11.95	12.30	12.35	11.53	11.27	11.25	11.19	11.04	10.84	10.70
55.0	9.604	9.383	9.270	9.259	9.270	9.206	9.097	8.923	8.749	8.601
57.5	7.429	7.425	7.421	7.350	7.243	7.099	6.957	6.804	6.687	6.577
60.0	5.724	5.670	5.501	5.300	5.137	4.962	4.811	4.683	4.624	4.558
62.5	4.008	3.741	3.506	3.319	3.476	3.542	3.552	3.522	3.493	3.411
65.0	2.158	1.996	2.298	2.449	2.511	2.498	2.454	2.398	2.363	2.301
67.5	1.095	1.416	1.578	1.597	1.538	1.438	1.343	1.269	1.235	1.218
70.0	0.7340	0.8590	0.8361	0.7170	0.5518	0.3763	0.2317	0.1389	0.1072	0.1381
72.5	0.3512	0.2931	0.1097	0.1065	0.0999	0.0927	0.0878	0.0861	0.0856	0.0856
75.0	0.0853	0.0821	0.0791	0.0762	0.0717	0.0692	0.0658	0.0644	0.0639	0.0627
77.5	0.0578	0.0539	0.0498	0.0458	0.0434	0.0469	0.0439	0.0427	0.0423	0.0418
80.0	0.0300	0.0248	0.0198	0.0154	0.0150	0.0251	0.0219	0.0209	0.0206	0.0209
82.5	0.0040	0.0038	0.0036	0.0034	0.0066	0.0170	0.0157	0.0155	0.0155	0.0155
85.0	0.0027	0.0025	0.0024	0.0023	0.0044	0.0108	0.0105	0.0104	0.0103	0.0104

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-08-07

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	0.0013	0.0013	0.0012	0.0011	0.0022	0.0053	0.0052	0.0052	0.0052	0.0052
90.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2715	2711	2708	2707	2707	2708	2712	2717	2725	2733
5.0	2486	2474	2464	2456	2449	2445	2444	2445	2452	2462
7.5	2294	2274	2251	2228	2203	2179	2158	2137	2124	2130
10.0	2107	2080	2049	2012	1974	1933	1893	1854	1813	1778
12.5	1728	1711	1695	1681	1672	1664	1627	1564	1508	1459
15.0	1336	1314	1297	1284	1271	1258	1249	1243	1224	1159
17.5	985.5	966.3	950.0	929.1	905.4	896.2	893.7	889.7	884.8	879.6
20.0	646.4	645.7	646.5	644.8	639.5	628.2	609.4	599.0	600.4	598.1
22.5	499.1	476.8	453.6	429.5	418.8	426.9	423.2	409.6	390.8	397.2
25.0	379.1	362.6	345.9	329.7	313.9	298.5	290.1	288.3	277.8	265.3
27.5	274.7	265.8	254.9	243.0	233.9	225.9	217.2	208.8	204.5	195.4
30.0	176.8	180.8	182.4	180.5	175.4	167.1	162.0	158.1	154.8	148.4
32.5	136.5	133.2	130.1	127.7	130.8	127.9	121.4	116.3	116.2	117.6
35.0	106.3	103.2	100.8	99.42	98.42	96.04	92.23	86.45	83.06	85.61
37.5	78.56	75.79	73.48	72.33	72.32	71.12	67.86	62.72	57.76	58.31
40.0	51.55	50.12	49.31	49.64	49.67	48.87	47.36	42.07	38.67	37.79
42.5	38.96	35.04	30.72	28.56	31.24	32.33	30.45	28.11	24.84	24.96
45.0	29.60	26.87	24.04	21.43	19.07	19.48	20.66	19.15	18.23	17.18
47.5	21.35	19.90	18.24	16.64	15.26	14.33	14.30	14.82	13.81	13.89
50.0	13.58	13.88	13.72	13.13	12.27	11.78	11.78	11.91	11.57	11.32
52.5	10.53	10.36	10.20	10.15	10.00	9.704	9.444	9.531	9.737	9.334
55.0	8.443	8.270	8.086	7.983	7.907	7.799	7.548	7.235	7.443	7.614
57.5	6.456	6.292	6.062	5.903	5.839	5.801	5.707	5.433	5.208	5.485
60.0	4.499	4.383	4.186	4.050	3.923	3.831	3.868	3.715	3.477	3.330
62.5	3.295	3.069	2.705	2.282	2.173	2.164	2.235	2.257	1.995	1.783
65.0	2.228	2.077	1.854	1.577	1.195	0.7430	0.9150	1.117	1.007	0.6545
67.5	1.210	1.160	1.076	0.9309	0.7072	0.4525	0.2754	0.2648	0.4345	0.2847
70.0	0.2064	0.2856	0.3714	0.4013	0.3447	0.2398	0.1561	0.1295	0.1160	0.1420
72.5	0.0753	0.0582	0.0565	0.0506	0.0459	0.0923	0.0866	0.0805	0.0749	0.0884
75.0	0.0541	0.0457	0.0429	0.0403	0.0384	0.0407	0.0408	0.0375	0.0378	0.0493
77.5	0.0373	0.0339	0.0321	0.0309	0.0314	0.0334	0.0334	0.0248	0.0112	0.0123
80.0	0.0216	0.0222	0.0228	0.0233	0.0244	0.0259	0.0267	0.0211	0.0142	0.0075
82.5	0.0157	0.0160	0.0164	0.0170	0.0178	0.0188	0.0201	0.0206	0.0184	0.0150
85.0	0.0105	0.0107	0.0110	0.0114	0.0119	0.0126	0.0134	0.0145	0.0160	0.0179
87.5	0.0052	0.0053	0.0055	0.0057	0.0060	0.0063	0.0067	0.0073	0.0080	0.0090
90.0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2743	2754	2767	2782	2798	2816	2835	2818	2802	2787
5.0	2476	2495	2518	2545	2577	2613	2652	2616	2584	2555
7.5	2142	2163	2191	2226	2270	2322	2381	2326	2279	2240
10.0	1749	1766	1796	1836	1887	1950	2025	1955	1898	1852
12.5	1415	1378	1387	1428	1482	1550	1632	1554	1492	1443
15.0	1100	1049	1008	1033	1082	1146	1227	1149	1089	1043
17.5	823.9	765.1	718.2	696.5	736.8	788.2	853.3	788.7	738.3	699.9
20.0	594.6	548.8	505.4	472.0	489.4	524.7	571.0	523.0	486.4	468.7
22.5	400.0	400.5	361.3	332.4	327.4	351.2	382.4	347.6	320.4	323.0
25.0	272.0	277.9	265.3	237.3	224.0	240.0	261.5	236.3	216.4	225.5
27.5	187.0	191.2	194.9	175.5	160.4	170.2	185.1	167.4	154.4	164.6
30.0	139.3	136.6	140.0	133.2	121.6	125.3	136.1	122.9	116.7	124.8
32.5	108.5	99.03	102.6	104.1	94.20	94.73	103.4	92.84	90.05	96.84
35.0	85.04	75.71	73.68	79.27	71.06	69.65	78.22	68.16	67.58	73.54
37.5	61.16	55.18	48.73	54.14	50.00	47.06	55.54	46.20	47.54	50.31
40.0	38.93	37.19	31.70	33.56	32.27	29.29	35.35	28.94	31.10	31.81
42.5	23.68	24.03	21.80	21.38	22.07	19.93	23.24	19.85	21.59	20.76
45.0	17.17	17.03	16.69	15.71	16.59	15.15	16.95	15.15	16.55	15.54
47.5	13.97	13.27	14.01	13.10	13.65	12.91	13.88	12.90	13.64	13.04
50.0	11.72	11.20	11.44	11.19	11.32	10.85	11.78	10.84	11.30	11.17
52.5	9.241	9.317	8.896	9.250	8.908	8.732	9.595	8.754	8.939	9.288
55.0	6.974	7.272	6.776	7.380	6.669	6.799	7.447	6.840	6.726	7.468
57.5	5.341	5.041	5.149	5.150	4.652	4.978	5.468	4.978	4.649	5.193
60.0	3.671	3.211	3.518	3.090	3.136	3.326	3.633	3.324	3.115	3.093
62.5	1.927	1.863	1.748	1.581	1.850	1.923	2.075	1.925	1.861	1.632
65.0	0.7678	0.7598	0.6223	0.5951	0.7676	0.7174	0.8384	0.7431	0.8266	0.6898
67.5	0.1533	0.2208	0.2182	0.1780	0.2020	0.1638	0.2430	0.1665	0.2088	0.1833
70.0	0.1013	0.0819	0.1068	0.0982	0.0870	0.0854	0.1322	0.0908	0.0939	0.0985
72.5	0.0867	0.0612	0.0575	0.0917	0.0556	0.0673	0.1012	0.0720	0.0559	0.0936
75.0	0.0693	0.0640	0.0398	0.0542	0.0531	0.0657	0.0785	0.0693	0.0459	0.0530
77.5	0.0303	0.0521	0.0456	0.0149	0.0478	0.0508	0.0620	0.0510	0.0442	0.0101

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-08-07

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	0.0012	0.0157	0.0359	0.0209	0.0228	0.0146	0.0454	0.0155	0.0219	0.0168
82.5	0.0108	0.0040	0.0050	0.0230	0.0073	0.0058	0.0300	0.0080	0.0026	0.0189
85.0	0.0205	0.0134	0.0047	0.0008	0.0157	0.0084	0.0186	0.0076	0.0057	0.0005
87.5	0.0103	0.0064	0.0060	0.0063	0.0024	0.0103	0.0103	0.0019	0	0.0039
90.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	0.0000
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2774	2763	2753	2745	2738	2732	2728	2726	2726	2727
5.0	2531	2511	2495	2485	2477	2474	2475	2478	2484	2493
7.5	2210	2185	2169	2160	2158	2175	2202	2228	2255	2284
10.0	1818	1795	1785	1821	1860	1904	1948	1994	2042	2085
12.5	1408	1406	1451	1505	1565	1631	1697	1733	1740	1752
15.0	1024	1074	1133	1203	1280	1302	1309	1317	1326	1339
17.5	725.9	780.2	850.0	914.6	917.8	921.5	925.0	929.0	944.5	972.4
20.0	504.6	553.5	603.8	606.0	607.6	605.6	617.0	639.4	657.7	672.9
22.5	352.1	393.6	391.9	387.3	378.2	395.7	411.7	419.0	415.9	438.5
25.0	249.7	260.2	254.3	245.2	254.7	262.3	262.2	275.7	297.6	320.1
27.5	178.8	173.7	166.7	170.5	177.0	176.7	186.4	197.7	209.1	221.3
30.0	128.4	122.8	122.1	124.5	126.4	131.0	134.5	138.9	147.5	153.4
32.5	93.94	88.81	94.21	98.52	94.86	93.35	98.31	102.6	103.4	97.91
35.0	67.50	67.62	73.21	72.45	69.35	70.38	72.83	74.59	75.81	76.78
37.5	44.75	49.21	53.17	50.28	48.78	50.81	53.31	56.16	57.11	57.04
40.0	29.59	33.35	34.68	33.51	33.20	34.59	38.51	40.04	40.86	40.54
42.5	20.94	22.34	21.89	22.89	22.15	24.49	26.28	28.19	27.66	25.38
45.0	16.28	16.54	16.45	16.47	17.22	17.87	19.24	18.94	18.89	20.03
47.5	13.72	13.08	13.70	13.56	13.68	14.59	14.50	14.69	15.59	16.32
50.0	11.40	11.22	11.69	11.33	11.74	12.24	12.14	12.22	12.78	13.44
52.5	8.962	9.453	9.358	9.516	10.12	9.943	9.889	10.23	10.61	10.83
55.0	6.867	7.432	7.117	7.860	7.791	7.688	8.075	8.425	8.542	8.610
57.5	5.206	5.147	5.465	5.717	5.536	5.894	6.282	6.362	6.366	6.408
60.0	3.530	3.295	3.759	3.500	3.805	4.139	4.286	4.254	4.356	4.478
62.5	1.783	1.995	1.997	1.959	2.291	2.530	2.499	2.479	2.512	2.631
65.0	0.6686	0.8901	0.8263	0.7918	1.204	1.267	1.057	0.9483	1.441	1.838
67.5	0.2229	0.2562	0.1721	0.3294	0.5149	0.3116	0.3457	0.5706	0.8677	1.104
70.0	0.1163	0.0914	0.1098	0.1599	0.1418	0.1516	0.1974	0.2941	0.4339	0.4976
72.5	0.0672	0.0650	0.0899	0.0978	0.0926	0.0977	0.1047	0.1111	0.0688	0.0835
75.0	0.0459	0.0648	0.0678	0.0556	0.0550	0.0558	0.0474	0.0471	0.0524	0.0588
77.5	0.0434	0.0482	0.0295	0.0236	0.0285	0.0369	0.0384	0.0365	0.0380	0.0412
80.0	0.0337	0.0141	0.0017	0.0105	0.0212	0.0264	0.0292	0.0271	0.0264	0.0261
82.5	0.0043	0.0022	0.0064	0.0129	0.0179	0.0186	0.0201	0.0188	0.0178	0.0170
85.0	0.0023	0.0069	0.0138	0.0143	0.0128	0.0118	0.0134	0.0126	0.0119	0.0114
87.5	0.0030	0.0049	0.0043	0.0072	0.0064	0.0058	0.0067	0.0063	0.0060	0.0057
90.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2729	2732	2737	2743	2751	2757	2765	2774	2784	2794
5.0	2504	2516	2530	2544	2560	2574	2591	2607	2622	2638
7.5	2310	2337	2360	2380	2399	2413	2428	2442	2452	2462
10.0	2125	2162	2195	2220	2237	2248	2255	2258	2257	2253
12.5	1769	1786	1808	1830	1852	1873	1894	1915	1931	1946
15.0	1357	1380	1405	1434	1466	1495	1525	1554	1576	1593
17.5	997.2	1022	1048	1072	1099	1124	1154	1181	1210	1239
20.0	683.0	692.4	702.4	714.0	732.4	751.6	777.7	805.4	837.4	872.0
22.5	471.8	503.1	532.9	558.4	581.1	596.4	605.1	602.3	592.3	573.2
25.0	344.0	366.6	388.3	409.6	429.9	447.4	461.1	465.1	462.1	449.4
27.5	237.4	252.1	263.7	275.0	286.8	299.9	314.0	325.6	334.9	337.8
30.0	155.0	153.0	147.4	143.2	143.7	152.2	167.6	187.5	207.7	223.8
32.5	100.0	105.0	109.1	113.7	118.0	121.8	123.9	124.7	124.2	123.5
35.0	78.56	81.18	84.63	88.24	92.21	96.08	98.76	100.3	100.7	100.9
37.5	58.02	59.91	62.50	64.99	67.71	70.59	73.07	75.33	77.32	79.11
40.0	40.18	40.40	41.17	42.02	43.22	45.00	47.25	49.91	52.77	55.81
42.5	26.56	29.26	31.99	34.14	35.75	36.71	36.77	35.89	33.91	33.11
45.0	21.58	23.52	25.42	27.01	28.28	29.24	29.58	29.23	27.97	25.98
47.5	17.36	18.57	19.65	20.46	21.09	21.71	22.16	22.42	22.20	21.33
50.0	13.95	14.20	14.22	14.01	13.90	14.18	14.75	15.57	16.22	16.42
52.5	11.03	11.19	11.42	11.60	11.70	11.79	11.74	11.69	11.64	11.82
55.0	8.768	8.944	9.147	9.365	9.511	9.626	9.635	9.647	9.637	9.621
57.5	6.598	6.814	7.012	7.217	7.361	7.442	7.476	7.541	7.601	7.684
60.0	4.613	4.767	4.915	5.075	5.210	5.254	5.305	5.398	5.472	5.589
62.5	3.047	3.364	3.605	3.796	3.930	3.960	3.944	3.905	3.767	3.559
65.0	2.119	2.304	2.440	2.555	2.649	2.703	2.734	2.759	2.722	2.625
67.5	1.257	1.312	1.334	1.354	1.390	1.435	1.502	1.595	1.670	1.717
70.0	0.4669	0.3575	0.2456	0.1579	0.1299	0.1675	0.2699	0.4254	0.6037	0.7739

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-07

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	0.1074	0.1006	0.0998	0.0989	0.1021	0.1049	0.1070	0.1106	0.1158	0.1229
75.0	0.0814	0.0751	0.0728	0.0728	0.0742	0.0769	0.0788	0.0819	0.0865	0.0927
77.5	0.0544	0.0496	0.0474	0.0469	0.0474	0.0490	0.0505	0.0532	0.0571	0.0623
80.0	0.0271	0.0240	0.0221	0.0210	0.0206	0.0210	0.0223	0.0245	0.0276	0.0319
82.5	0.0164	0.0160	0.0157	0.0155	0.0155	0.0155	0.0157	0.0160	0.0164	0.0170
85.0	0.0110	0.0107	0.0105	0.0104	0.0103	0.0104	0.0105	0.0107	0.0110	0.0114
87.5	0.0055	0.0053	0.0052	0.0052	0.0052	0.0052	0.0052	0.0053	0.0055	0.0057
90.0	0.0000	0.0000	0	0	0	0	0	0.0000	0.0000	0.0000
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	2942	2942	2942	2942	2942	2942	2942	2942	2942	2942
2.5	2803	2812	2822	2833	2845	2857	2867	2879	2891	2904
5.0	2649	2663	2674	2685	2698	2712	2726	2742	2761	2782
7.5	2470	2479	2491	2505	2521	2530	2536	2544	2555	2569
10.0	2251	2249	2250	2254	2257	2269	2290	2292	2297	2307
12.5	1958	1966	1957	1943	1942	1950	1966	1991	1993	1986
15.0	1604	1606	1606	1604	1596	1589	1595	1612	1643	1627
17.5	1266	1277	1277	1264	1246	1225	1221	1230	1253	1273
20.0	904.9	938.0	965.4	968.5	944.8	914.9	881.9	881.7	900.3	929.4
22.5	569.6	617.0	655.8	685.0	700.3	665.5	628.3	597.2	612.8	636.1
25.0	429.6	404.6	400.0	444.5	468.7	478.1	445.0	418.7	413.9	430.6
27.5	329.4	312.3	293.7	271.5	297.6	316.4	319.9	299.7	285.3	298.0
30.0	233.3	235.7	225.5	208.0	193.5	210.5	224.0	219.7	207.0	209.7
32.5	147.6	161.8	166.5	161.2	151.4	142.9	156.7	164.6	155.4	152.3
35.0	100.8	102.3	115.1	120.3	119.0	112.4	111.6	120.2	119.7	114.2
37.5	79.94	80.04	79.44	85.08	89.07	87.71	84.90	88.05	92.88	89.98
40.0	59.14	61.63	61.88	59.69	61.55	65.42	64.15	62.47	68.34	66.92
42.5	37.95	42.83	46.54	45.20	39.97	43.10	47.09	42.22	44.71	46.67
45.0	23.62	25.21	30.71	33.28	29.59	25.45	31.23	29.10	27.54	30.92
47.5	19.78	18.35	17.30	22.02	22.43	19.56	19.95	21.19	18.56	20.82
50.0	16.11	15.47	14.52	14.10	16.18	15.93	14.71	15.91	15.08	15.60
52.5	12.37	12.50	12.36	12.11	12.00	12.70	12.59	12.64	12.98	12.73
55.0	9.560	9.707	9.931	10.17	10.05	9.959	10.54	10.30	10.74	10.37
57.5	7.683	7.707	7.679	7.877	8.173	7.965	8.099	8.391	8.317	8.384
60.0	5.726	5.901	5.924	5.787	5.936	6.245	5.980	6.377	6.189	6.626
62.5	3.680	3.914	4.162	4.200	4.005	4.176	4.401	4.196	4.546	4.645
65.0	2.426	2.114	2.271	2.565	2.683	2.439	2.677	2.609	2.817	2.536
67.5	1.671	1.502	1.184	0.9101	1.331	1.508	1.026	1.455	0.9485	1.136
70.0	0.8909	0.9137	0.7946	0.5189	0.2250	0.6309	0.5677	0.3889	0.3920	0.4670
72.5	0.1264	0.3161	0.3857	0.3217	0.1655	0.1118	0.2062	0.1645	0.1760	0.1105
75.0	0.0955	0.0953	0.0954	0.1259	0.1107	0.0945	0.0656	0.0806	0.0976	0.0791
77.5	0.0668	0.0683	0.0701	0.0699	0.0728	0.0709	0.0611	0.0462	0.0599	0.0754
80.0	0.0363	0.0404	0.0445	0.0476	0.0515	0.0544	0.0530	0.0446	0.0368	0.0514
82.5	0.0178	0.0188	0.0201	0.0242	0.0297	0.0457	0.0263	0.0308	0.0300	0.0307
85.0	0.0119	0.0126	0.0134	0.0145	0.0160	0.0394	0	0.0072	0.0133	0.0212
87.5	0.0060	0.0063	0.0067	0.0073	0.0080	0.0159	0	0	0	0
90.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	0	0
G/C	350.0	355.0								
0.0	2942	2942								
2.5	2918	2932								
5.0	2805	2829								
7.5	2588	2613								
10.0	2325	2350								
12.5	1988	2002								
15.0	1611	1610								
17.5	1245	1233								
20.0	906.3	882.4								
22.5	636.2	613.3								
25.0	445.2	424.7								
27.5	315.1	302.7								
30.0	222.9	217.0								
32.5	161.6	161.5								
35.0	121.0	122.7								
37.5	92.48	94.91								
40.0	67.19	70.63								
42.5	44.05	48.50								
45.0	26.98	30.69								
47.5	19.03	20.45								
50.0	15.04	15.47								
52.5	12.98	13.09								
55.0	10.98	10.84								
57.5	8.859	8.497								
60.0	6.574	6.350								
62.5	4.329	4.218								

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-08-07

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:

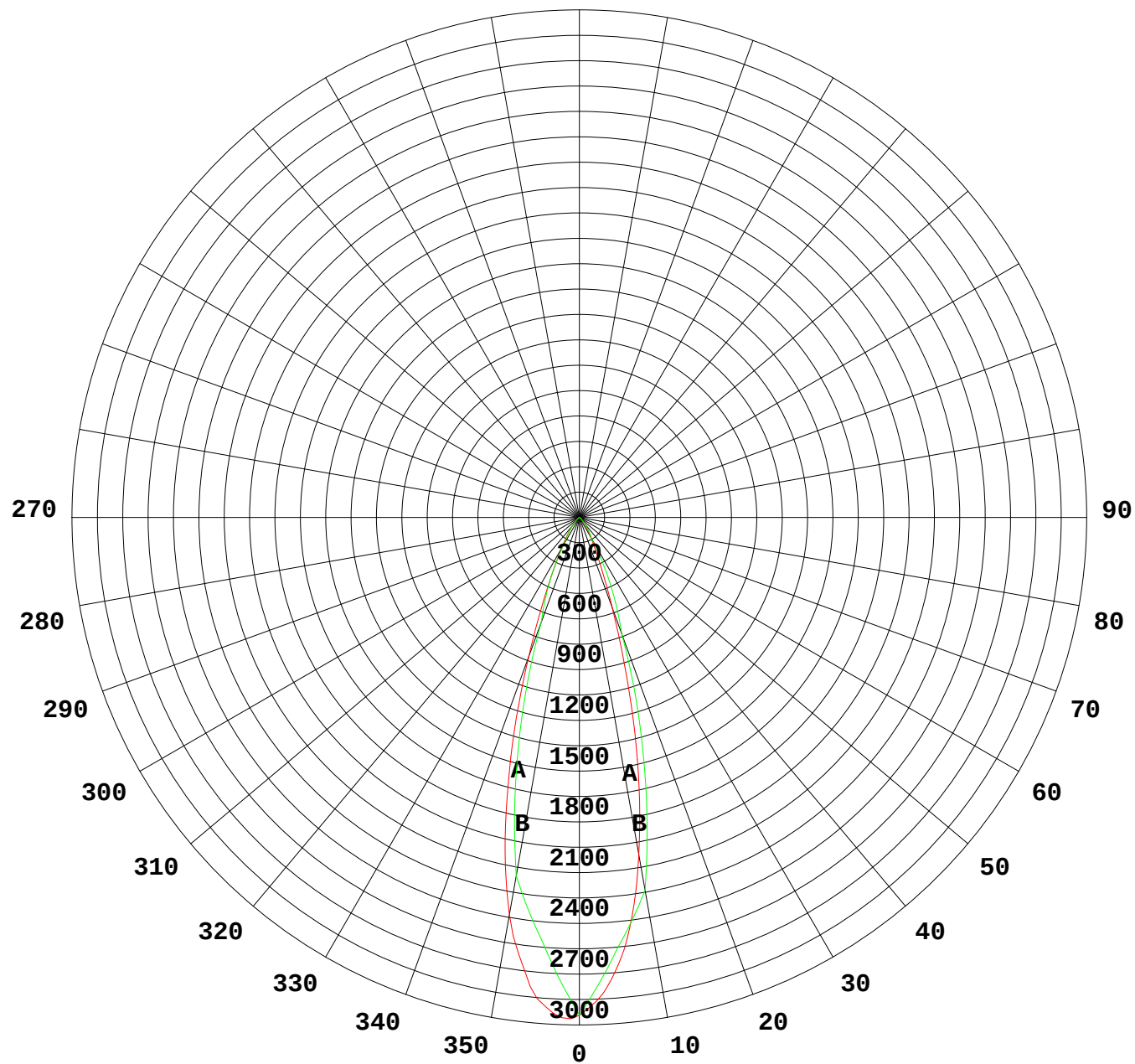
Photometric Data Table [cd]

65.0	2.349	2.415
67.5	1.118	1.054
70.0	0.4155	0.3565
72.5	0.1488	0.1474
75.0	0.0910	0.0726
77.5	0.0463	0.0500
80.0	0.0488	0.0373
82.5	0.0483	0.0202
85.0	0.0283	0.0143
87.5	0.0079	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:2026-08-07

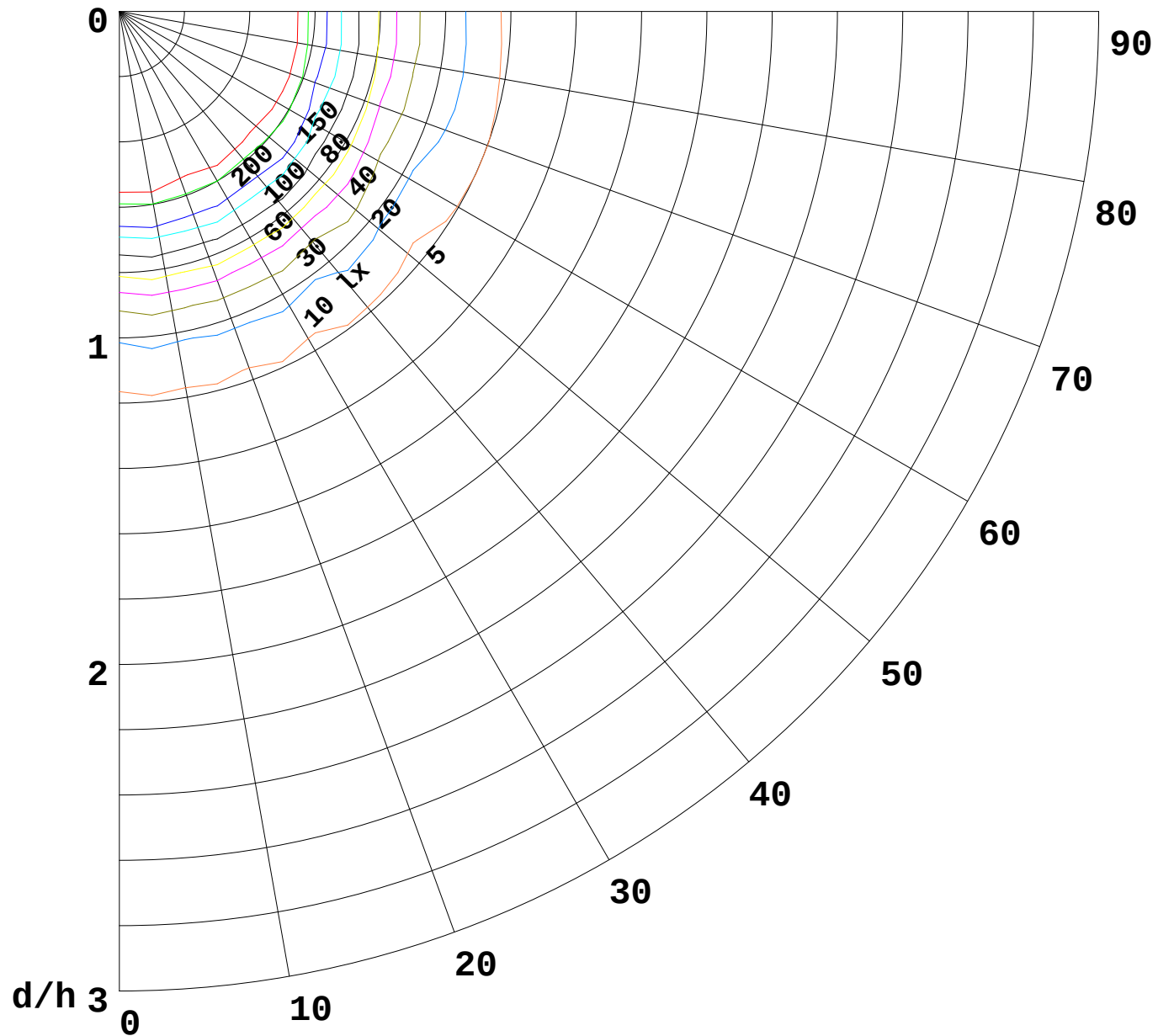
V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

I(cd)



1000 lm

K = 1



F = 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

