

TEST REPORT

Report reference No.....	GEN2026104.01								
Product.....	LED Spot Light								
Family Name.....	TR3								
Trademark.....									
Manufacturer.....	KOE Lighting Ltd.								
Address.....	25, Hejing Rd., Dongsha, Liwan District, Guangzhou, China								
Testing Laboratory.....	KOE Lab								
Model list: TR3-C30C1 SBK 3000K[CRI90] U24D (11B4-24352S-B00-0 (DC240mA))									
Declared data									
Rated Input	Rated Power (W)	No.of LEDs (PCS)	Rated Total Lumen (lm)	Rated Useful Lumen (lm)	Energy class	Imax (cd)	Life (hr)	Tc (K)	Beam angle (°)
AC220-240V	28.5	1	2420	2400	F	12710	30000	3000K	24
Power supply	11B4-24352S-B00-0 (DC240mA)								
Light model	COB 108V 3000K CRI90,300mA 36W D16.5<GSCOBW30-300W36-H17> ANSI,2850LM								

Light Output Ratio:	85%	
Luminaire Power:	27W	
SUR.:	0.00396 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:2026-09-02

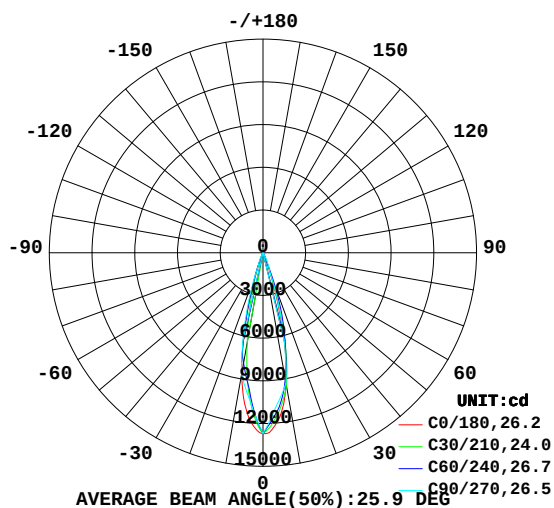
V(B) Range: -90 - 90DEG
 V(B) Interval:5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

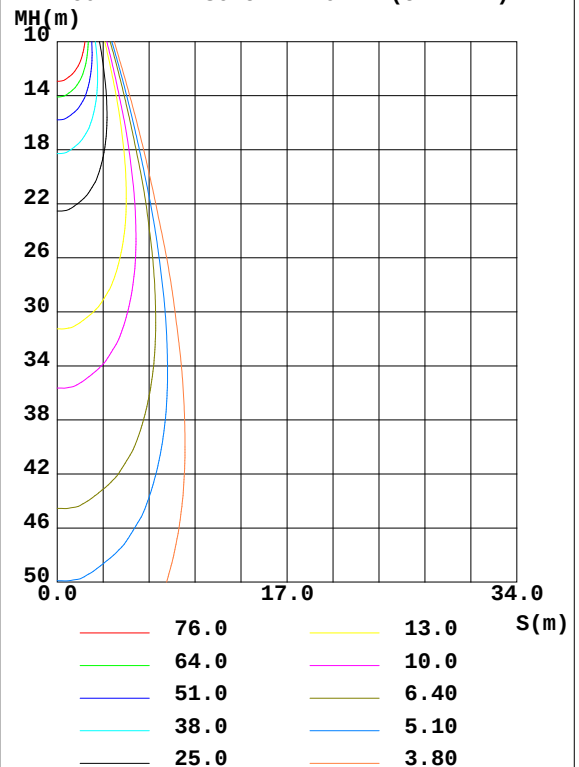
Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:GEN2026104.01
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.89 lm/W			
MODEL	GSC0BW30-300W36-H17	Imax(cd)	12705	S/MH(C0/180)	0.40
NOMINAL POWER(W)	26	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	108	TOTAL FLUX(lm)	2508.0	η UP, DN(C0-180)	0.0, 51.6
NOMINAL FLUX(lm)	2508.03	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

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	1188	1132	1079	1038	1160	1016	1044	1112	0- 5	276.8	276.8	11,11
10	931.4	908.4	930.7	744.3	861.6	717.5	866.2	862.7	5- 10	684.7	961.5	38.3,38.3
15	499.8	542.4	521.1	442.1	417.6	430.7	467.6	459.5	10- 15	762.9	1724	68.8,68.8
20	126.6	269.8	138.9	107.0	100.3	106.5	99.10	216.0	15- 20	463.2	2188	87.2,87.2
25	29.87	67.68	71.87	29.87	24.22	28.80	53.35	54.76	20- 25	157.9	2346	93.5,93.5
30	14.27	19.10	13.57	14.77	12.47	14.36	11.80	17.57	25- 30	66.15	2412	96.2,96.2
35	7.409	10.45	8.738	6.658	6.453	6.792	8.011	9.871	30- 35	32.00	2444	97.4,97.4
40	4.322	4.462	4.431	4.125	3.967	4.073	4.067	4.556	35- 40	19.56	2463	98.2,98.2
45	3.222	3.690	3.468	2.897	3.165	2.999	3.299	3.690	40- 45	13.76	2477	98.8,98.8
50	2.527	2.662	2.540	2.367	2.344	2.447	2.554	2.639	45- 50	11.55	2489	99.2,99.2
55	1.567	1.892	1.665	1.287	1.445	1.356	1.643	1.844	50- 55	8.708	2497	99.6,99.6
60	0.7910	0.9114	0.8070	0.7792	0.7765	0.7640	0.7569	0.8754	55- 60	5.526	2503	99.8,99.8
65	0.4221	0.5372	0.4857	0.3904	0.4107	0.3612	0.4245	0.4992	60- 65	3.079	2506	99.9,99.9
70	0.1434	0.2191	0.1676	0.1608	0.1562	0.1352	0.1056	0.1877	65- 70	1.472	2507	100,100
75	0.0163	0.0426	0.0093	0.0209	0.0237	0.0235	0.0550	0.0365	70- 75	0.4231	2508	100,100
80	0.0081	0.0131	0.0143	0.0131	0.0139	0.0091	0.0069	0.0110	75- 80	0.1228	2508	100,100
85	0.0036	0.0061	0.0096	0.0087	0.0069	0.0047	0.0037	0.0039	80- 85	0.0435	2508	100,100
90	0.0004	0.0049	0.0049	0.0033	0.0010	0.0004	0.0004	0.0004	85- 90	0.0213	2508	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:×10cd									UNIT: lm		

Conical surface Flux(90deg): 2477.1 lm

%lum = 98.8%

%lamp = 98.8%

Conical surface Flux(120deg): 2502.9 lm

%lum = 99.8%

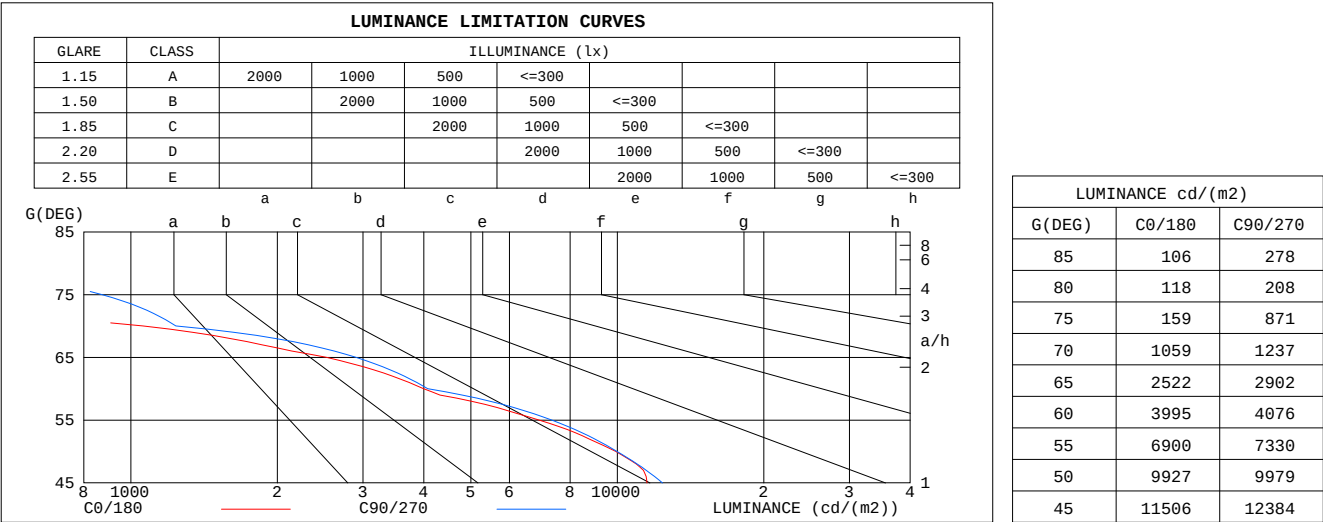
%lamp = 99.8%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-02

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

LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...



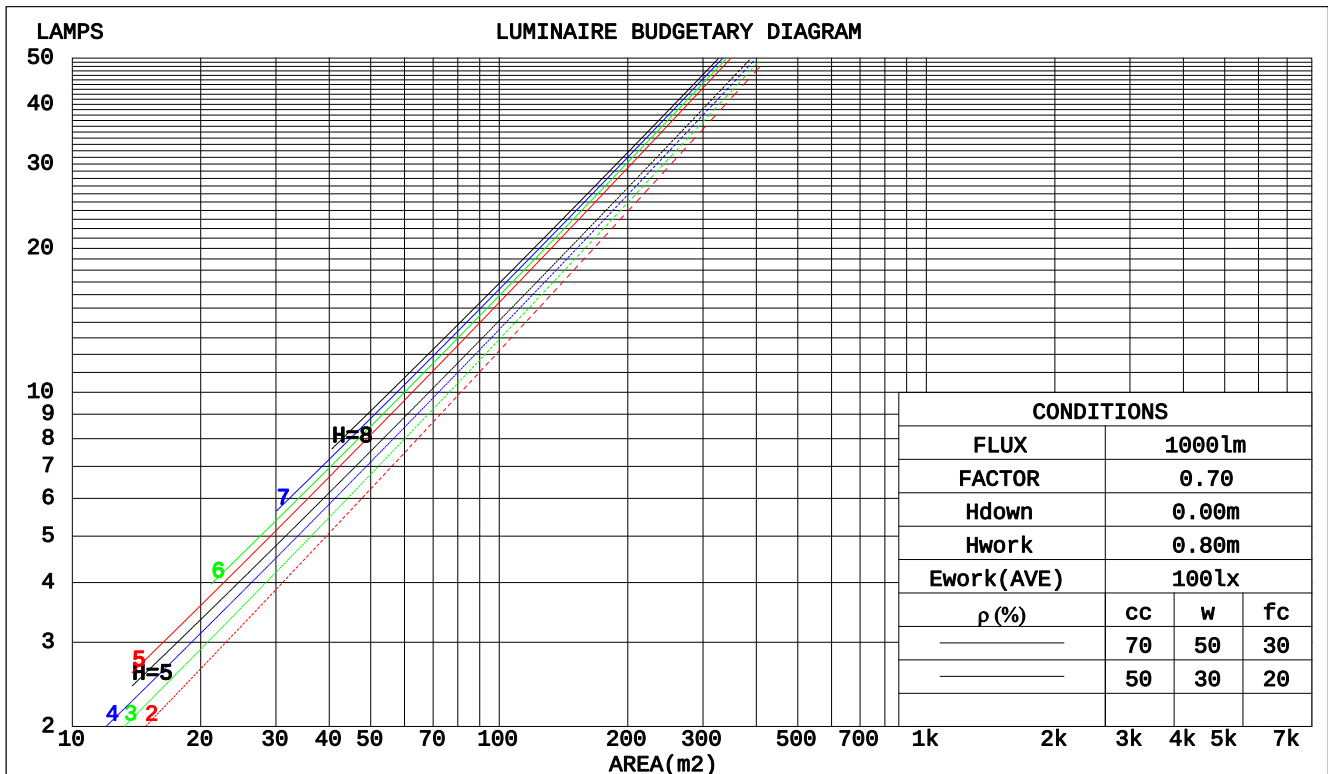
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	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	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.02	1.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.00	1.01	.99	.97	.98	.97	.95	.94
3.0	1.04	1.00	.98	1.02	.99	.97	1.00	.97	.95	.98	.96	.94	.96	.94	.93	.91
4.0	1.00	.96	.93	.99	.96	.93	.97	.94	.92	.95	.93	.91	.94	.91	.90	.89
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.89	.87	.92	.88	.86	.90	.88	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
8.0	.88	.84	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
9.0	.86	.82	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.83	.81	.79	.78
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

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

WEC AND CCEC

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm								
NAME: LED Spot Light				TYPE:fixed			WEIGHT:330g	
SPEC.:28.5W				DIM.: D76*H180mm			SERIAL No.:...	
MFR.: KOE Lighting Ltd.				SUR.:D71			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	.132	.075	.024	.126	.072	.023	.113	.065	.021	.102	.059	.019	.091	.053	.017	
2.0	.122	.067	.021	.117	.064	.020	.107	.059	.018	.097	.055	.017	.088	.050	.016	
3.0	.113	.060	.018	.109	.058	.018	.100	.054	.017	.093	.051	.016	.085	.047	.015	
4.0	.106	.055	.016	.102	.053	.016	.095	.050	.015	.088	.048	.014	.082	.045	.014	
5.0	.100	.051	.015	.096	.049	.014	.090	.047	.014	.085	.045	.013	.079	.042	.013	
6.0	.094	.047	.013	.091	.046	.013	.086	.044	.013	.081	.042	.012	.077	.040	.012	
7.0	.089	.044	.012	.087	.043	.012	.082	.042	.012	.078	.040	.012	.074	.038	.011	
8.0	.085	.041	.012	.083	.041	.012	.079	.039	.011	.075	.038	.011	.072	.037	.011	
9.0	.081	.039	.011	.079	.039	.011	.076	.037	.011	.072	.036	.010	.069	.035	.010	
10.0	.077	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.119	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.134	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.041	.034	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.082	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-02

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

UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm											
NAME: LED Spot Light					TYPE:fixed			WEIGHT:330g			
SPEC.:28.5W					DIM.: D76*H180mm			SERIAL No.:...			
MFR.: KOE Lighting Ltd.					SUR.:D71			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	2H	7.0	7.6	7.2	7.8	7.9	6.9	7.5	7.1	7.6	7.8
	3H	7.0	7.6	7.2	7.7	7.9	6.9	7.5	7.1	7.6	7.8
	4H	6.9	7.5	7.2	7.7	7.9	6.8	7.4	7.1	7.6	7.8
	6H	6.8	7.4	7.1	7.6	7.8	6.7	7.3	7.0	7.5	7.7
	8H	6.8	7.3	7.1	7.5	7.8	6.7	7.2	7.0	7.4	7.7
	12H	6.7	7.2	7.0	7.5	7.7	6.7	7.1	7.0	7.4	7.7
4H	2H	7.0	7.6	7.3	7.8	8.0	6.9	7.5	7.2	7.7	7.9
	3H	7.0	7.5	7.3	7.7	8.0	6.9	7.4	7.2	7.6	7.9
	4H	6.9	7.3	7.2	7.6	7.9	6.8	7.3	7.2	7.6	7.9
	6H	6.8	7.2	7.2	7.5	7.9	6.7	7.1	7.1	7.5	7.8
	8H	6.7	7.1	7.1	7.5	7.8	6.7	7.1	7.1	7.4	7.8
	12H	6.7	7.0	7.1	7.4	7.8	6.6	7.0	7.0	7.3	7.7
8H	4H	6.8	7.1	7.1	7.5	7.8	6.7	7.1	7.1	7.4	7.8
	6H	6.6	6.9	7.1	7.3	7.7	6.6	6.9	7.0	7.3	7.7
	8H	6.6	6.9	7.0	7.3	7.7	6.5	6.8	7.0	7.2	7.6
	12H	6.5	6.8	7.0	7.2	7.7	6.5	6.7	6.9	7.1	7.6
12H	4H	6.7	7.0	7.1	7.4	7.8	6.6	7.0	7.0	7.3	7.7
	6H	6.6	6.9	7.0	7.3	7.7	6.5	6.8	7.0	7.2	7.6
	8H	6.5	6.8	7.0	7.2	7.7	6.5	6.7	6.9	7.1	7.6
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.8					+ 1.7 / - 2.6				
1.5H		+ 1.6 / - 1.2					+ 2.1 / - 1.6				
2.0H		+ 2.4 / - 4.1					+ 2.5 / - 4.0				

CIE Pub.117, 2508 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.2$)

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
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V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

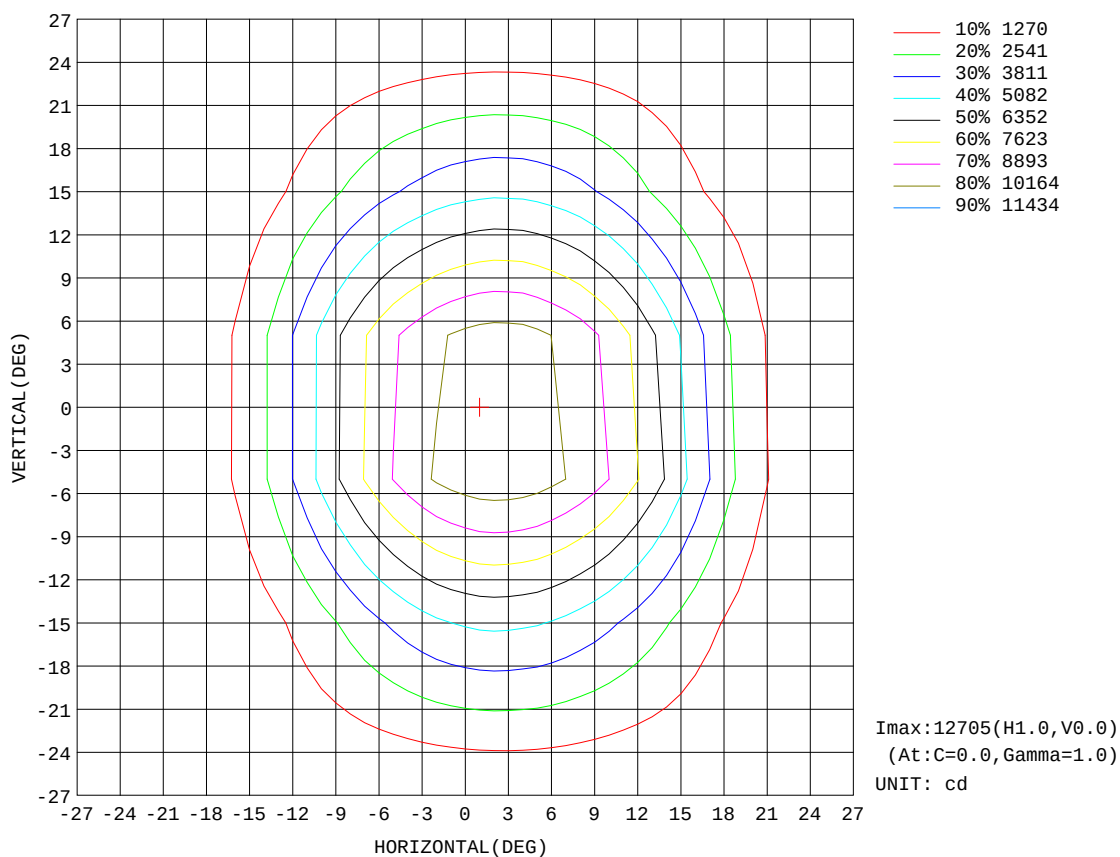
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	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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 Operators:Judy
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V(B) Range:-90 - 90DEG
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ISOCANDELA DIAGRAM

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NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

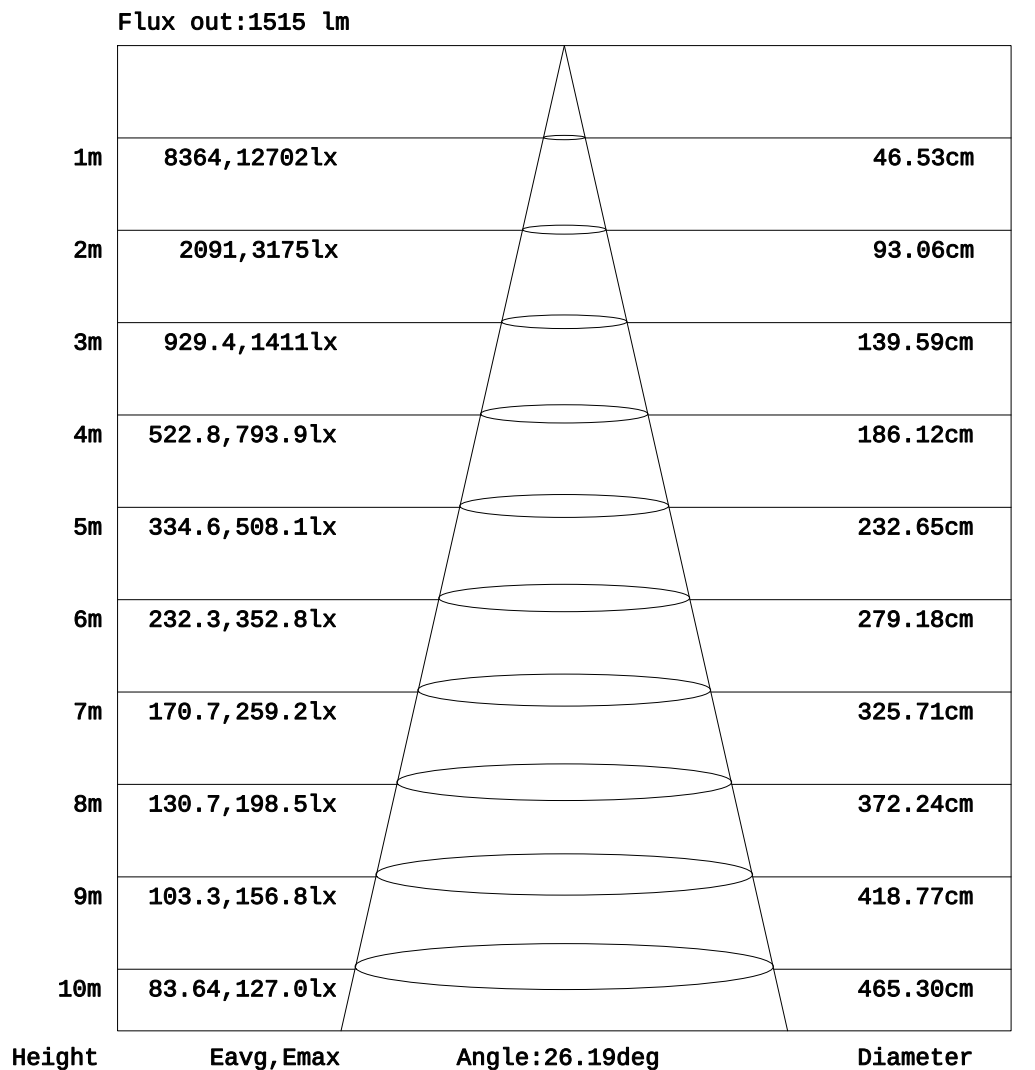


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-02

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

AAI Figure

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...



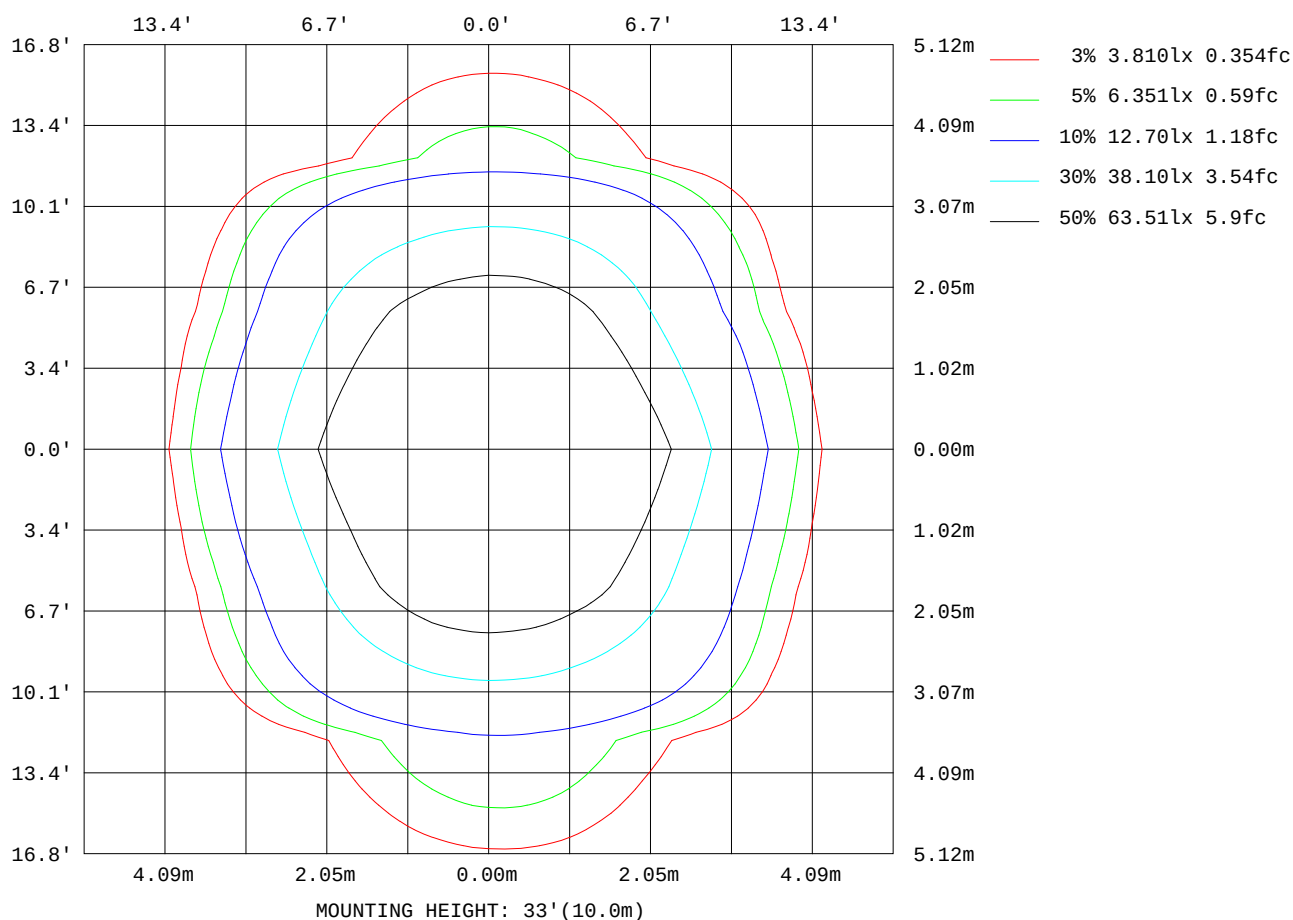
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

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

ISOLUX DIAGRAM

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-02

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

LED Avg.L Report

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

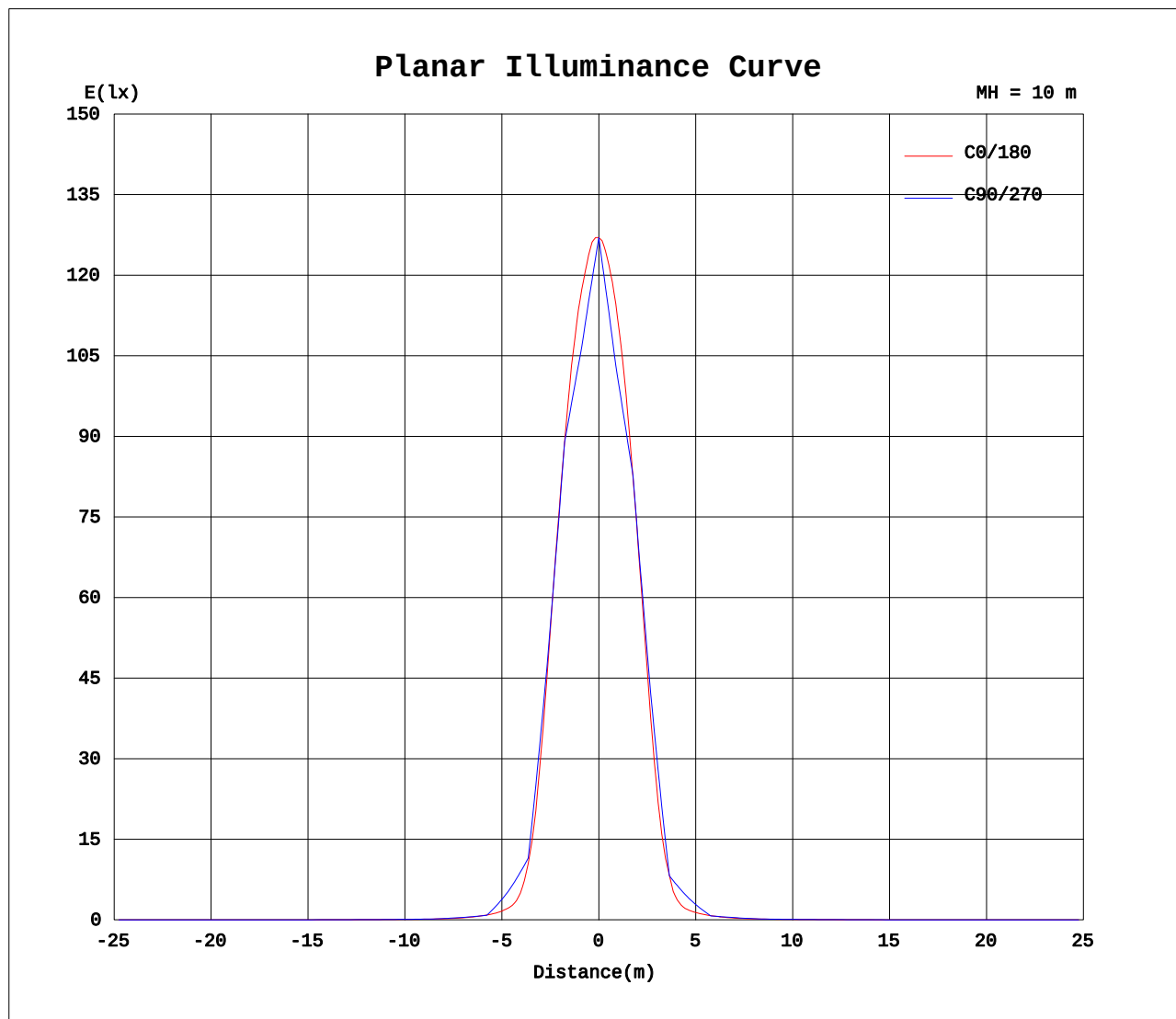
AvgL	cd/m2
L_0~180(65)av	2488
L_0~180(75)av	195
L_0~180(85)av	153
L_90~270(65)av	2719
L_90~270(75)av	704
L_90~270(85)av	192
L_45(65)av	2671
L_45(75)av	321
L_45(85)av	170

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:2026-09-02

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:2026-09-02

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

Test:U:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

UNIT: $\times 10 \text{cd}$

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-09-02

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:230.0V I:0.2310A P:27.00W PF:0.5200 Freq:50.00Hz Lamp Flux:2508.03x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:330g
SPEC.:28.5W	DIM.: D76*H180mm	SERIAL No.:...
MFR.: KOE Lighting Ltd.	SUR.:D71	Shielding Angle:...

Table - - 3

UNIT: $\times 10 \text{cd}$ [illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-09-02

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:
```

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	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	12533	12468	12407	12350	12297	12248	12204	12163	12117	12067
5.0	11877	11781	11695	11619	11553	11495	11446	11406	11365	11324
7.5	10856	10754	10677	10623	10591	10570	10561	10563	10563	10494
10.0	9314	9265	9261	9294	9356	9440	9503	9312	9169	9084
12.5	7322	7365	7481	7656	7864	7909	7659	7483	7368	7324
15.0	4998	5170	5436	5783	6043	5700	5451	5296	5239	5424
17.5	2784	3048	3415	3877	3736	3437	3179	3101	3517	3872
20.0	1266	1495	1822	2111	1890	1640	1501	1886	2303	2698
22.5	545.9	680.9	865.1	921.2	793.1	616.8	819.0	1129	1498	1534
25.0	298.7	352.9	434.7	418.8	370.6	368.6	481.0	689.7	733.0	676.8
27.5	200.9	231.9	267.2	244.3	220.8	258.2	315.0	340.4	329.9	245.0
30.0	142.7	163.7	179.5	163.2	163.0	191.6	207.9	196.6	175.8	191.0
32.5	104.1	120.1	125.5	110.8	121.2	143.3	133.6	122.2	136.5	148.1
35.0	74.09	87.91	87.96	78.20	90.09	93.13	80.71	90.63	106.0	104.5
37.5	53.37	63.37	61.03	57.74	69.08	62.50	56.60	70.08	76.54	66.39
40.0	43.22	48.82	46.21	46.87	50.86	45.60	47.33	52.83	50.73	44.62
42.5	35.11	39.78	36.89	39.43	39.42	37.22	41.47	39.97	36.28	40.20
45.0	32.22	34.33	32.57	34.96	34.12	34.29	36.03	33.27	33.63	36.90
47.5	29.78	31.67	30.55	31.82	30.94	32.06	31.24	30.70	30.99	31.17
50.0	25.27	28.30	27.10	27.55	27.49	27.86	27.14	27.66	26.63	26.62
52.5	20.43	23.26	22.87	21.94	23.85	22.26	23.37	22.99	21.56	22.76
55.0	15.67	18.08	18.88	16.55	19.12	17.50	19.35	17.23	17.96	18.92
57.5	11.37	13.12	14.87	13.19	13.38	14.12	13.33	13.57	14.52	13.53
60.0	7.910	8.942	10.01	10.32	8.820	10.63	8.856	11.19	10.17	9.114
62.5	6.051	6.422	6.830	7.457	7.331	6.974	7.411	7.763	7.013	7.449
65.0	4.221	4.603	4.599	4.935	5.505	5.115	5.341	5.132	5.540	5.372
67.5	2.627	3.164	3.343	3.258	2.949	3.850	3.116	3.892	3.699	3.179
70.0	1.434	2.133	2.313	2.300	2.036	1.882	2.205	2.184	1.891	2.191
72.5	0.4054	1.162	0.7252	0.6111	0.9519	1.055	0.9170	0.8753	1.326	1.356
75.0	0.1629	0.2453	0.2769	0.3220	0.2486	0.4491	0.2122	0.6472	0.6794	0.4258
77.5	0.1160	0.1320	0.1257	0.1622	0.1460	0.1359	0.1814	0.2582	0.1807	0.1839
80.0	0.0814	0.1269	0.1077	0.1083	0.0991	0.1293	0.1305	0.1345	0.1345	0.1308
82.5	0.0529	0.0879	0.0830	0.0662	0.1011	0.1047	0.0945	0.0844	0.0797	0.0706
85.0	0.0364	0.0562	0.0475	0.0801	0.0748	0.0620	0.0489	0.0489	0.0552	0.0611
87.5	0.0061	0.0210	0.0489	0.0520	0.0500	0.0506	0.0489	0.0489	0.0521	0.0589
90.0	0.0041	0.0490	0.0530	0.0530	0.0530	0.0530	0.0489	0.0489	0.0489	0.0489

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	12022	11980	11943	11911	11871	11831	11797	11769	11748	11723
5.0	11287	11247	11197	11152	11090	11027	10960	10871	10795	10710
7.5	10408	10335	10283	10244	10199	10164	10132	10094	10051	9974
10.0	9020	9006	9047	9092	9150	9190	9218	9271	9307	9276
12.5	7355	7431	7448	7471	7464	7435	7367	7315	7259	7196
15.0	5603	5713	5769	5767	5725	5612	5496	5366	5211	5072
17.5	4117	4251	4212	4024	3850	3674	3530	3408	3300	3208
20.0	2800	2621	2379	2115	1875	1686	1535	1440	1389	1375
22.5	1416	1139	752.3	714.8	852.8	976.4	1056	1081	1054	985.7
25.0	446.7	387.7	459.8	553.9	661.6	749.9	788.7	773.0	718.7	640.4
27.5	269.8	302.6	356.0	418.5	461.4	489.0	486.1	462.5	427.2	383.3
30.0	211.2	229.3	238.6	244.9	242.3	219.2	183.3	151.0	135.7	138.5
32.5	152.7	144.9	133.4	109.3	115.2	117.3	118.0	115.9	111.5	107.4
35.0	93.37	77.50	84.03	90.75	94.85	95.86	95.27	91.88	87.38	84.74
37.5	54.05	62.01	69.71	74.66	74.65	72.70	71.20	68.63	65.84	64.65
40.0	47.45	52.92	55.93	54.82	52.05	48.55	46.58	45.20	44.31	44.85
42.5	42.07	42.47	40.96	36.41	35.93	37.04	38.90	39.73	39.49	38.96
45.0	35.91	33.77	31.72	31.74	32.65	33.65	34.96	35.11	34.68	33.64
47.5	30.70	29.46	28.55	28.67	29.21	29.72	30.34	30.34	30.04	29.32
50.0	26.77	25.90	24.96	24.72	25.11	25.43	25.60	25.55	25.40	25.12
52.5	22.94	21.61	20.78	20.65	21.13	21.37	21.35	21.23	21.02	20.76
55.0	17.71	16.78	17.01	17.26	17.51	17.46	17.22	16.92	16.65	16.40
57.5	12.74	13.56	14.01	14.05	13.80	13.36	12.92	12.55	12.36	12.32
60.0	10.47	11.04	10.81	10.31	9.797	9.155	8.592	8.170	8.070	8.262
62.5	8.164	7.854	7.300	6.742	6.792	6.713	6.607	6.490	6.463	6.502
65.0	5.291	4.985	5.135	5.275	5.277	5.169	5.042	4.915	4.857	4.833
67.5	3.397	3.706	3.793	3.789	3.695	3.558	3.442	3.320	3.266	3.227
70.0	2.394	2.369	2.233	2.131	2.031	1.918	1.832	1.725	1.676	1.623
72.5	1.161	0.8895	0.6410	0.9110	1.130	1.253	1.318	1.305	1.284	1.217
75.0	0.2358	0.3183	0.5026	0.6986	0.8576	0.9208	0.9451	0.9198	0.8929	0.8456
77.5	0.1839	0.2576	0.3644	0.4626	0.5520	0.5609	0.5580	0.5342	0.5178	0.4963
80.0	0.1271	0.1475	0.1792	0.1920	0.2115	0.1955	0.1694	0.1485	0.1427	0.1479
82.5	0.0728	0.0714	0.0799	0.0866	0.1215	0.1249	0.1223	0.1195	0.1193	0.1195
85.0	0.0649	0.0641	0.0714	0.0770	0.1221	0.0996	0.0966	0.0960	0.0958	0.0960

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-09-02

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	0.0569	0.0564	0.0607	0.0636	0.0888	0.0743	0.0727	0.0725	0.0724	0.0725
90.0	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	11706	11697	11696	11700	11699	11708	11727	11755	11794	11838
5.0	10642	10572	10513	10464	10411	10385	10371	10377	10415	10477
7.5	9887	9783	9647	9499	9319	9124	8924	8718	8588	8637
10.0	9191	9082	8926	8708	8431	8116	7782	7443	7086	6748
12.5	7128	7081	7035	6981	6941	6899	6841	6149	5641	5161
15.0	4935	4816	4719	4660	4605	4563	4504	4421	4228	3661
17.5	3187	2993	2876	2730	2532	2478	2473	2459	2383	2293
20.0	1381	1407	1429	1423	1376	1264	1109	1070	1100	1081
22.5	887.5	777.6	669.6	573.5	541.0	587.8	565.9	510.4	440.3	481.5
25.0	557.5	485.1	421.6	367.2	324.9	295.5	299.4	298.7	261.0	226.2
27.5	337.0	294.1	252.1	218.6	210.6	208.9	209.7	209.6	192.6	166.6
30.0	150.9	159.8	158.6	151.5	146.6	140.1	143.4	147.7	148.4	128.0
32.5	105.0	104.0	102.4	98.63	101.2	99.98	96.80	95.81	99.11	99.01
35.0	82.41	81.51	80.02	77.13	71.32	66.31	68.37	66.58	63.53	64.18
37.5	62.94	61.73	60.39	56.56	54.53	52.00	49.79	50.26	45.63	45.30
40.0	44.21	44.08	45.25	44.62	42.74	41.91	41.98	41.25	38.04	36.94
42.5	36.53	34.82	34.36	35.02	35.93	36.27	35.06	33.79	33.13	33.15
45.0	31.45	30.52	30.04	30.17	30.81	32.42	31.68	28.97	28.85	30.89
47.5	27.82	26.83	26.00	25.81	26.58	28.20	29.51	26.57	24.60	26.67
50.0	24.50	23.58	22.61	22.25	22.55	23.19	23.77	23.67	21.33	20.80
52.5	20.35	19.77	19.04	18.75	18.75	18.75	17.78	17.68	17.75	16.53
55.0	16.02	15.61	15.23	15.14	15.01	14.85	14.10	12.87	13.56	13.79
57.5	12.17	11.92	11.70	11.58	11.60	11.49	10.95	10.16	9.890	10.42
60.0	8.433	8.570	8.662	8.709	8.678	8.281	7.919	7.792	7.778	6.889
62.5	6.425	6.331	6.172	6.014	6.261	6.115	5.548	5.638	5.843	5.392
65.0	4.724	4.644	4.487	4.434	4.396	4.263	4.001	3.904	3.809	3.955
67.5	3.155	3.089	2.950	2.886	2.844	2.806	2.703	2.581	2.409	2.157
70.0	1.609	1.598	1.564	1.544	1.548	1.562	1.612	1.608	1.392	1.142
72.5	1.121	0.9897	0.8031	0.5653	0.3392	0.5777	0.7859	0.8238	0.7328	0.4869
75.0	0.7710	0.6803	0.5453	0.3878	0.2444	0.2150	0.2033	0.2891	0.3358	0.2062
77.5	0.4630	0.4203	0.3432	0.2538	0.1803	0.1808	0.1653	0.1557	0.1548	0.1453
80.0	0.1607	0.1752	0.1747	0.1655	0.1477	0.1461	0.1388	0.1315	0.1264	0.1127
82.5	0.1203	0.1217	0.1169	0.1190	0.1189	0.1151	0.1161	0.1149	0.1082	0.1006
85.0	0.0965	0.0975	0.0926	0.0943	0.0942	0.0902	0.0884	0.0874	0.0866	0.0852
87.5	0.0727	0.0732	0.0688	0.0696	0.0696	0.0640	0.0620	0.0586	0.0597	0.0531
90.0	0.0489	0.0489	0.0449	0.0449	0.0449	0.0367	0.0367	0.0326	0.0326	0.0245
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	11886	11943	12010	12086	12169	12258	12354	12243	12138	12040
5.0	10560	10672	10812	10977	11166	11375	11601	11356	11127	10917
7.5	8733	8889	9097	9342	9639	9983	10368	9968	9607	9290
10.0	6440	6612	6870	7202	7606	8079	8616	8072	7593	7181
12.5	4719	4340	4444	4843	5310	5858	6490	5859	5312	4845
15.0	3126	2712	2361	2652	3099	3597	4176	3594	3094	2647
17.5	1864	1513	1245	1147	1475	1812	2191	1810	1470	1137
20.0	1035	821.5	627.4	486.8	617.2	800.4	1003	803.0	621.6	490.0
22.5	478.4	450.6	343.6	282.1	284.8	347.5	413.5	350.8	292.1	291.3
25.0	246.8	254.3	239.2	200.5	182.7	210.5	242.2	212.9	187.6	210.8
27.5	150.9	164.4	176.6	149.6	128.1	147.8	172.4	149.4	132.0	157.1
30.0	107.4	106.4	119.0	112.6	95.47	104.8	124.7	105.9	97.99	118.5
32.5	80.52	69.86	81.13	84.90	70.00	73.95	90.38	74.91	72.14	88.32
35.0	60.23	53.74	55.52	61.32	52.78	53.64	64.53	54.31	54.57	64.14
37.5	46.81	44.44	41.16	45.52	43.61	42.02	48.32	42.57	44.93	47.63
40.0	38.47	38.85	35.21	37.31	36.70	35.02	39.67	35.61	37.89	39.01
42.5	32.17	32.94	32.16	32.06	32.78	31.79	34.10	32.23	34.05	33.48
45.0	29.36	28.88	30.60	29.00	31.00	29.18	31.65	29.40	32.00	29.73
47.5	26.92	24.36	28.04	24.76	27.66	24.39	28.96	24.61	28.14	25.32
50.0	22.35	20.39	21.76	20.38	21.55	19.40	23.44	19.66	21.99	21.10
52.5	16.37	16.83	15.64	16.96	16.15	15.62	18.44	15.88	16.54	17.63
55.0	11.90	13.41	11.90	14.07	11.64	12.19	14.45	12.47	11.94	14.35
57.5	9.623	9.443	9.521	9.784	8.061	9.083	10.67	9.308	8.291	9.934
60.0	7.521	6.801	7.528	6.536	6.681	7.130	7.765	7.327	6.837	6.667
62.5	5.163	5.618	5.059	4.815	5.395	5.619	5.967	5.744	5.477	4.840
65.0	3.517	3.737	3.261	3.688	3.984	3.860	4.107	3.882	4.000	3.615
67.5	2.420	1.947	2.477	2.228	2.146	2.250	2.689	2.244	2.123	2.171
70.0	1.209	1.214	1.148	0.7844	0.7283	0.8931	1.562	0.8862	0.7173	0.7436
72.5	0.5056	0.4673	0.3605	0.3459	0.2630	0.2331	0.5061	0.2277	0.2572	0.2988
75.0	0.2275	0.2183	0.1887	0.1889	0.1685	0.2056	0.2368	0.2037	0.1613	0.1645
77.5	0.1537	0.1735	0.1620	0.1339	0.1512	0.1595	0.1837	0.1761	0.1355	0.1086

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

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	0.1050	0.1129	0.1299	0.1184	0.0963	0.0820	0.1389	0.0783	0.0818	0.0745
82.5	0.0954	0.0825	0.0715	0.0960	0.0665	0.0559	0.1021	0.0477	0.0436	0.0540
85.0	0.0907	0.0787	0.0639	0.0468	0.0703	0.0342	0.0694	0.0195	0.0288	0.0062
87.5	0.0550	0.0573	0.0541	0.0568	0.0411	0.0383	0.0369	0.0089	0.0113	0.0234
90.0	0.0245	0.0245	0.0163	0.0163	0.0163	0.0163	0.0163	0.0041	0.0041	0.0041
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	11950	11869	11797	11736	11679	11629	11590	11561	11544	11537
5.0	10729	10566	10428	10318	10227	10159	10120	10106	10110	10142
7.5	9023	8791	8610	8488	8405	8481	8622	8758	8896	9030
10.0	6839	6571	6379	6632	6899	7175	7429	7665	7874	8081
12.5	4445	4332	4683	5078	5487	5898	6305	6479	6452	6426
15.0	2360	2715	3126	3619	4145	4307	4331	4341	4337	4336
17.5	1233	1508	1873	2301	2381	2428	2432	2398	2424	2540
20.0	619.3	801.1	1013	1071	1094	1065	1100	1226	1283	1280
22.5	351.0	449.9	469.3	470.3	426.2	494.1	549.3	551.0	462.0	454.0
25.0	252.2	266.2	254.8	230.8	258.4	288.0	286.4	273.0	284.0	306.3
27.5	188.0	174.9	158.2	170.4	189.5	202.0	201.4	199.4	197.3	197.5
30.0	126.7	113.6	112.8	128.9	145.0	143.6	139.5	135.8	140.6	141.0
32.5	85.16	74.09	85.05	100.8	99.04	95.25	95.38	97.30	97.24	92.27
35.0	58.37	57.45	65.14	68.06	65.70	67.92	68.75	66.26	69.90	73.63
37.5	43.18	47.47	50.83	48.79	48.06	51.61	50.82	52.75	54.38	55.87
40.0	37.00	40.39	40.97	39.55	39.88	40.73	42.66	42.73	43.36	44.42
42.5	34.05	35.02	33.91	34.94	34.83	34.59	35.02	36.92	36.43	35.28
45.0	32.31	30.65	30.82	32.74	30.63	29.99	31.87	32.74	31.25	30.55
47.5	29.08	25.60	28.06	27.95	26.33	27.47	29.51	28.19	26.84	26.33
50.0	22.30	21.37	23.47	21.69	22.94	24.47	23.81	22.91	22.54	22.88
52.5	16.18	17.84	17.28	17.40	19.41	18.73	17.77	18.42	18.66	19.45
55.0	12.00	13.83	12.27	14.36	14.29	13.56	13.85	14.31	14.71	15.41
57.5	9.511	9.472	9.743	10.59	10.06	10.26	10.17	10.87	11.13	11.38
60.0	7.569	6.838	7.571	6.817	7.738	7.640	7.323	7.585	8.129	8.301
62.5	5.054	5.644	5.105	5.236	5.668	5.429	5.163	5.400	5.726	5.515
65.0	3.175	3.657	3.400	3.640	3.618	3.612	3.544	3.541	3.936	3.970
67.5	2.362	1.825	2.254	1.951	2.175	2.206	2.286	2.343	2.479	2.478
70.0	1.085	1.120	1.114	0.9780	1.178	1.352	1.363	1.319	1.290	1.229
72.5	0.3216	0.3863	0.4531	0.3327	0.6044	0.6869	0.6577	0.4778	0.2224	0.3254
75.0	0.1608	0.1802	0.1880	0.1713	0.2621	0.2351	0.1639	0.1621	0.1695	0.2084
77.5	0.1237	0.1330	0.1158	0.1093	0.1068	0.1172	0.1319	0.1258	0.1258	0.1308
80.0	0.0928	0.0710	0.0673	0.0795	0.0817	0.0909	0.0978	0.0923	0.0887	0.0857
82.5	0.0517	0.0428	0.0492	0.0618	0.0681	0.0686	0.0677	0.0636	0.0605	0.0580
85.0	0.0311	0.0408	0.0461	0.0467	0.0480	0.0472	0.0466	0.0439	0.0417	0.0401
87.5	0.0239	0.0241	0.0262	0.0255	0.0247	0.0257	0.0254	0.0240	0.0229	0.0221
90.0	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	11528	11524	11530	11546	11571	11593	11623	11661	11706	11753
5.0	10176	10226	10289	10355	10440	10519	10614	10696	10779	10860
7.5	9150	9267	9363	9457	9551	9602	9663	9735	9772	9828
10.0	8257	8392	8494	8585	8662	8641	8652	8624	8580	8549
12.5	6445	6473	6514	6583	6669	6731	6825	6869	6905	6912
15.0	4345	4378	4440	4554	4676	4827	4974	5116	5210	5251
17.5	2621	2664	2702	2763	2834	2938	3067	3236	3416	3609
20.0	1222	1139	1061	1005	991.0	1035	1141	1327	1564	1826
22.5	521.2	592.6	665.8	725.2	762.2	772.5	749.8	703.0	634.2	551.9
25.0	339.6	382.5	432.8	487.5	533.5	561.4	564.9	540.7	493.4	430.6
27.5	215.3	242.1	273.7	302.6	325.7	342.0	353.3	357.7	349.4	327.7
30.0	141.8	142.1	137.6	126.3	118.0	122.3	143.0	170.1	191.1	199.0
32.5	95.11	97.36	99.62	100.3	99.07	96.93	96.68	97.42	97.67	95.38
35.0	75.48	76.54	78.10	79.81	80.11	79.24	79.29	80.80	81.83	80.59
37.5	58.13	58.80	59.60	60.37	60.39	60.15	61.11	63.42	66.20	67.60
40.0	44.62	43.08	42.08	41.07	40.67	41.14	42.83	45.53	49.08	51.80
42.5	34.65	34.69	35.62	36.36	36.83	36.86	36.81	36.58	36.31	37.07
45.0	30.60	30.86	31.41	32.34	32.99	33.23	33.43	33.34	33.09	32.61
47.5	26.79	27.44	28.02	28.81	29.27	29.50	29.73	29.71	29.64	29.37
50.0	23.59	24.28	24.83	25.32	25.54	25.78	25.96	25.82	25.51	25.33
52.5	20.09	20.36	20.53	20.76	20.99	21.32	21.70	21.74	21.47	21.05
55.0	15.80	15.94	16.01	16.15	16.43	16.83	17.35	17.63	17.63	17.40
57.5	11.77	11.87	11.82	11.79	12.00	12.40	12.86	13.31	13.66	13.96
60.0	8.356	8.058	7.721	7.449	7.569	7.971	8.329	8.850	9.353	9.972
62.5	5.691	5.712	5.724	5.736	5.907	6.161	6.255	6.286	6.179	6.188
65.0	4.054	4.102	4.101	4.132	4.245	4.458	4.638	4.702	4.697	4.736
67.5	2.539	2.585	2.571	2.583	2.651	2.796	2.944	3.049	3.143	3.273
70.0	1.163	1.114	1.060	1.036	1.056	1.131	1.238	1.366	1.507	1.677

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-09-02

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	0.4690	0.5906	0.6902	0.7597	0.8033	0.8360	0.8346	0.7776	0.6808	0.5297
75.0	0.3184	0.3916	0.4652	0.5206	0.5505	0.5802	0.5958	0.5617	0.5064	0.4055
77.5	0.1973	0.2339	0.2707	0.2962	0.3099	0.3267	0.3407	0.3271	0.3115	0.2669
80.0	0.0934	0.0885	0.0806	0.0727	0.0693	0.0731	0.0846	0.0888	0.1077	0.1096
82.5	0.0561	0.0547	0.0538	0.0532	0.0530	0.0532	0.0538	0.0452	0.0483	0.0445
85.0	0.0388	0.0378	0.0372	0.0368	0.0367	0.0368	0.0372	0.0315	0.0325	0.0311
87.5	0.0214	0.0210	0.0206	0.0205	0.0204	0.0205	0.0206	0.0178	0.0182	0.0176
90.0	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041

G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	12701	12701	12701	12701	12701	12701	12701	12701	12701	12701
2.5	11794	11841	11894	11951	12012	12071	12123	12180	12242	12308
5.0	10921	10988	11052	11116	11183	11246	11303	11372	11451	11542
7.5	9990	9979	10066	10173	10269	10303	10337	10383	10441	10509
10.0	8538	8526	8548	8627	8755	8946	9176	9147	9114	9108
12.5	6868	6754	6659	6646	6727	6894	7133	7470	7506	7379
15.0	5219	5099	4897	4595	4337	4511	4776	5138	5571	5429
17.5	3769	3742	3508	3175	2776	2376	2578	2965	3352	3564
20.0	2068	2255	2335	2160	1778	1434	1150	1390	1680	1939
22.5	614.0	944.9	1145	1208	1149	878.2	642.8	497.2	703.6	846.6
25.0	370.5	325.8	383.4	547.6	585.0	559.6	394.7	314.7	333.3	389.8
27.5	289.4	259.5	244.6	223.9	282.4	286.9	270.7	230.4	203.4	230.3
30.0	198.5	199.8	192.8	175.7	157.6	171.6	183.9	173.7	149.6	153.3
32.5	117.2	132.7	142.4	138.1	122.7	107.3	120.8	130.2	114.1	107.7
35.0	77.38	75.33	90.70	98.71	96.61	82.84	77.25	88.69	87.42	76.37
37.5	65.74	61.92	56.19	64.72	71.09	66.17	56.17	61.30	67.59	57.00
40.0	53.73	53.23	49.02	45.56	48.89	51.85	46.78	43.71	49.89	45.69
42.5	41.17	43.46	43.62	40.54	36.27	39.80	40.77	36.35	38.55	38.25
45.0	32.75	34.89	36.83	36.90	33.61	33.08	35.22	33.53	32.99	34.03
47.5	29.38	30.29	31.11	31.17	30.90	30.47	30.53	31.10	29.78	30.89
50.0	25.60	26.47	26.88	26.39	26.13	27.24	25.98	26.63	26.13	26.42
52.5	21.09	21.66	22.82	22.36	20.81	22.22	22.15	21.00	22.48	20.70
55.0	16.93	16.27	17.31	18.44	17.21	16.03	18.05	16.27	17.86	15.48
57.5	13.85	13.05	12.17	12.94	14.01	12.50	12.43	13.21	12.41	12.27
60.0	10.51	10.55	9.920	8.754	9.737	10.36	8.668	10.17	8.596	9.822
62.5	6.879	7.383	7.604	7.001	6.674	7.252	7.211	6.766	7.160	7.200
65.0	4.704	4.532	4.698	4.992	5.173	4.811	5.077	4.890	5.284	4.655
67.5	3.373	3.319	2.929	2.768	3.306	3.548	2.733	3.584	2.736	3.064
70.0	1.882	2.080	2.042	1.877	1.505	1.882	1.884	1.640	1.832	2.137
72.5	0.3708	0.7229	0.9979	1.171	1.067	0.6372	0.7651	0.8960	0.8191	0.4952
75.0	0.2914	0.2135	0.2077	0.3646	0.5495	0.4930	0.1754	0.3893	0.2170	0.2679
77.5	0.2111	0.1593	0.1571	0.1562	0.1524	0.2067	0.1487	0.1206	0.1431	0.1512
80.0	0.1060	0.0970	0.1034	0.1099	0.1155	0.1136	0.1096	0.1068	0.0905	0.1000
82.5	0.0464	0.0488	0.0518	0.0607	0.0711	0.0651	0.0682	0.0762	0.0819	0.0524
85.0	0.0323	0.0339	0.0360	0.0386	0.0420	0.0237	0.0203	0.0219	0.0355	0.0499
87.5	0.0182	0.0190	0.0200	0.0214	0.0231	0.0185	0.0122	0.0078	0.0011	0.0002
90.0	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041

G/C	350.0	355.0
0.0	12701	12701
2.5	12379	12454
5.0	11643	11755
7.5	10601	10716
10.0	9135	9201
12.5	7290	7268
15.0	5203	5054
17.5	3218	2953
20.0	1716	1448
22.5	813.0	657.3
25.0	411.7	342.6
27.5	256.9	227.0
30.0	172.4	159.9
32.5	122.1	118.5
35.0	86.62	86.98
37.5	60.63	63.30
40.0	44.91	48.49
42.5	36.26	39.33
45.0	32.13	34.03
47.5	29.86	31.39
50.0	26.08	27.81
52.5	21.90	22.74
55.0	18.00	17.67
57.5	14.13	12.75
60.0	9.608	8.670
62.5	6.512	6.201

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

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:

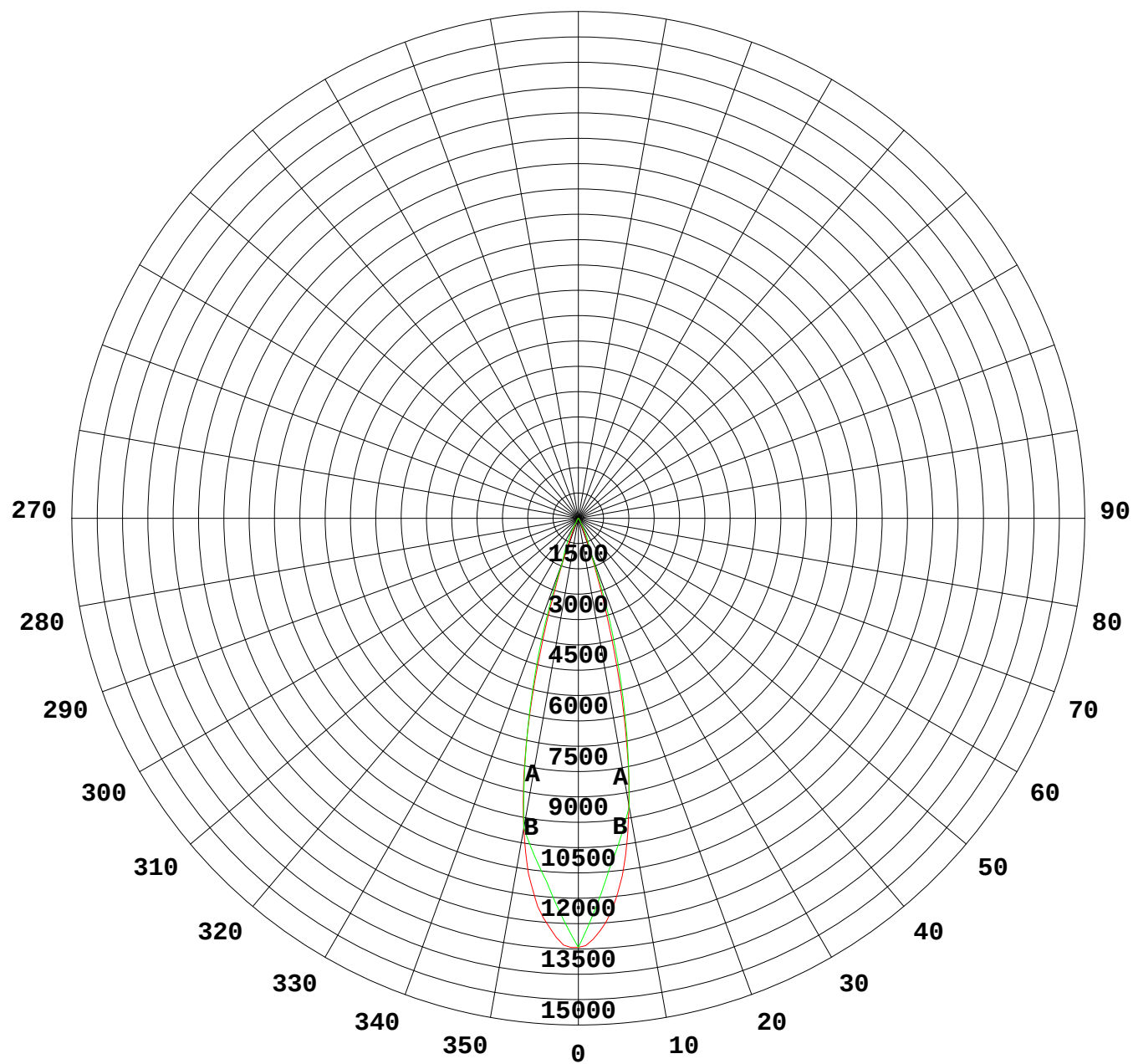
Photometric Data Table [cd]

65.0	4.344	4.410
67.5	3.178	3.072
70.0	2.187	2.071
72.5	0.6233	1.093
75.0	0.2453	0.2335
77.5	0.1288	0.1280
80.0	0.1045	0.1217
82.5	0.0754	0.0841
85.0	0.0316	0.0491
87.5	0.0190	0.0100
90.0	0.0041	0.0041

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-02

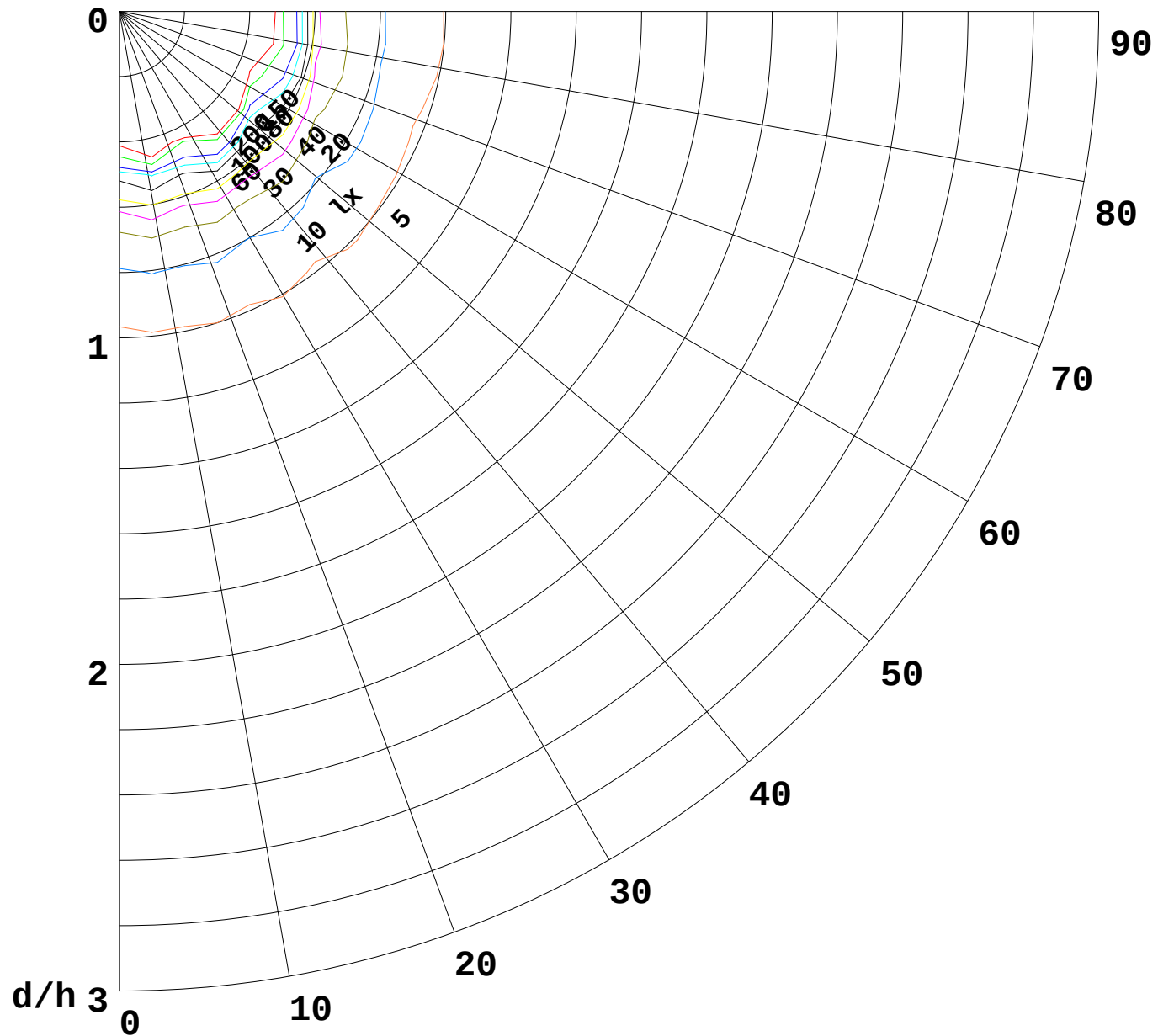
V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

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

