

TEST REPORT

Report reference No.....	GEN2026105.01								
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-C20C1 SBK 3000K[CRI90] Z24D (11B4-24352S-B00-0 (DC180mA))									
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	21	1	1830	1780	F	8660	30000	3000K	24
Power supply	11B4-24352S-B00-0 (DC180mA)								
Light model	COB 108V 3000K CRI90, 240mA 27W D10, <BC1810-0236J27W30H-YV3X> ANSI, 2150LM								

Light Output Ratio:	85%	
Luminaire Power:	21W	
SUR.:	0.0025 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: 2026-09-08

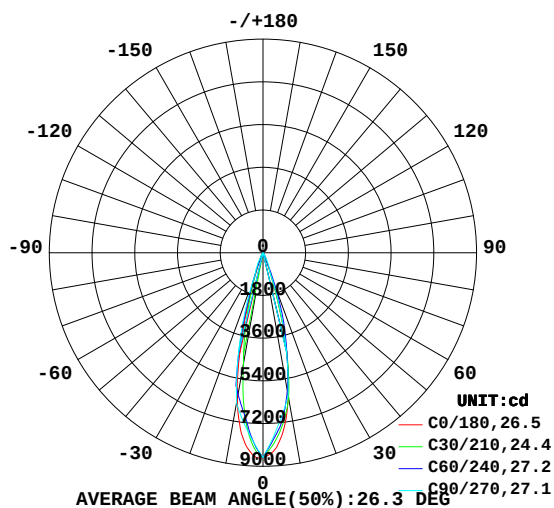
V(B) Range: -90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

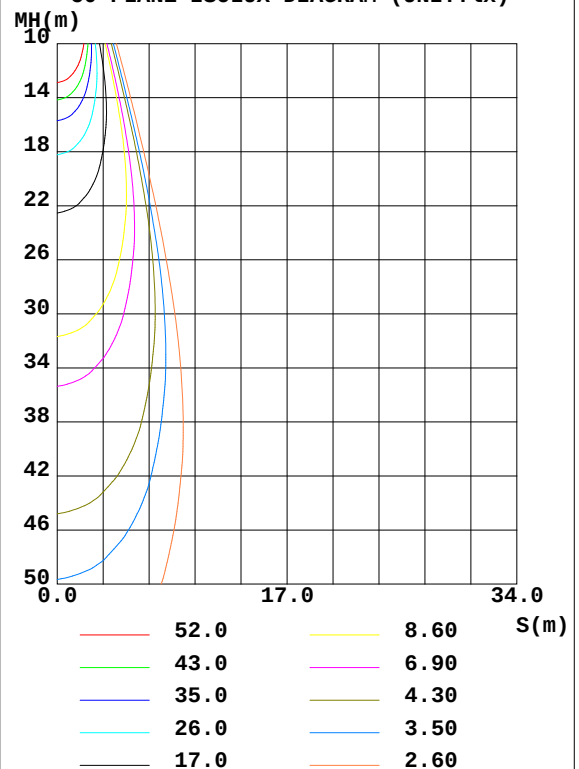
Test:U:230.0V I:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.82 lm/W			
MODEL:BC1810-0236J27W30H-YV3X		Imax(cd)	8658	S/MH(C0/180)	0.41
NOMINAL POWER(W)	19.5	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	108	TOTAL FLUX(lm)	1802.1	η UP, DN(C0-180)	0.0, 49.0
NOMINAL FLUX(lm)	1802.12	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 51.0
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:2026-09-08

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	7971	7577	7311	7173	8170	7343	7517	7675	0- 5	190.4	190.4	10.6,10.6
10	6113	5927	6108	5128	6254	5465	6437	6058	5- 10	475.9	666.3	37,37
15	3365	3319	3408	3002	3022	3379	3671	3528	10- 15	532.6	1199	66.5,66.5
20	877.2	1634	832.8	780.3	802.1	885.2	976.8	1753	15- 20	330.7	1530	84.9,84.9
25	262.1	422.9	490.7	261.5	265.5	265.2	542.4	440.5	20- 25	125.1	1655	91.8,91.8
30	148.3	144.6	160.0	131.5	137.7	128.6	153.8	147.5	25- 30	59.33	1714	95.1,95.1
35	75.84	91.63	102.3	70.60	72.97	70.50	97.51	93.52	30- 35	33.76	1748	97,97
40	41.20	42.27	43.47	40.85	40.01	39.76	44.41	44.94	35- 40	21.00	1769	98.1,98.1
45	26.21	29.16	28.88	23.23	24.97	23.02	29.49	30.89	40- 45	12.86	1782	98.9,98.9
50	13.91	14.84	14.53	14.00	13.53	14.01	15.09	15.19	45- 50	8.289	1790	99.3,99.3
55	9.392	11.18	9.932	8.149	8.795	8.599	11.00	11.45	50- 55	5.226	1795	99.6,99.6
60	6.697	6.788	5.596	5.164	5.779	5.891	7.022	7.322	55- 60	3.641	1799	99.8,99.8
65	3.196	3.521	2.829	1.781	2.699	2.235	3.613	3.968	60- 65	2.202	1801	99.9,99.9
70	0.2275	0.9839	0.1729	0.2736	0.2601	0.4587	0.2279	1.226	65- 70	0.8690	1802	100,100
75	0.1395	0.2511	0.1395	0.0347	0.1574	0.0761	0.1395	0.2409	70- 75	0.1497	1802	100,100
80	0.1757	0.1313	0.1061	0.0935	0.1062	0.0393	0.0511	0.0617	75- 80	0.0562	1802	100,100
85	0.0471	0.0968	0.0766	0.0733	0.0669	0.0222	0.0255	0.0069	80- 85	0.0353	1802	100,100
90	0	0.0747	0.0472	0.0511	0.0079	0.0000	0	0.0000	85- 90	0.0218	1802	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): 1781.6 lm

%lum = 98.9%

%lamp = 98.9%

Conical surface Flux(120deg): 1798.8 lm

%lum = 99.8%

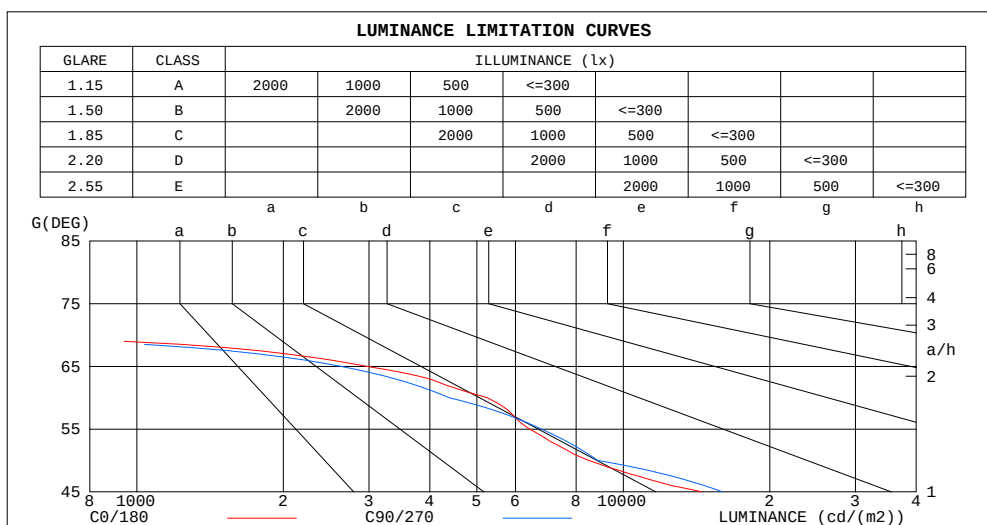
%lamp = 99.8%

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	212	344
80	396	239
75	211	211
70	261	198
65	2963	2623
60	5249	4386
55	6417	6785
50	8483	8860
45	14525	16002

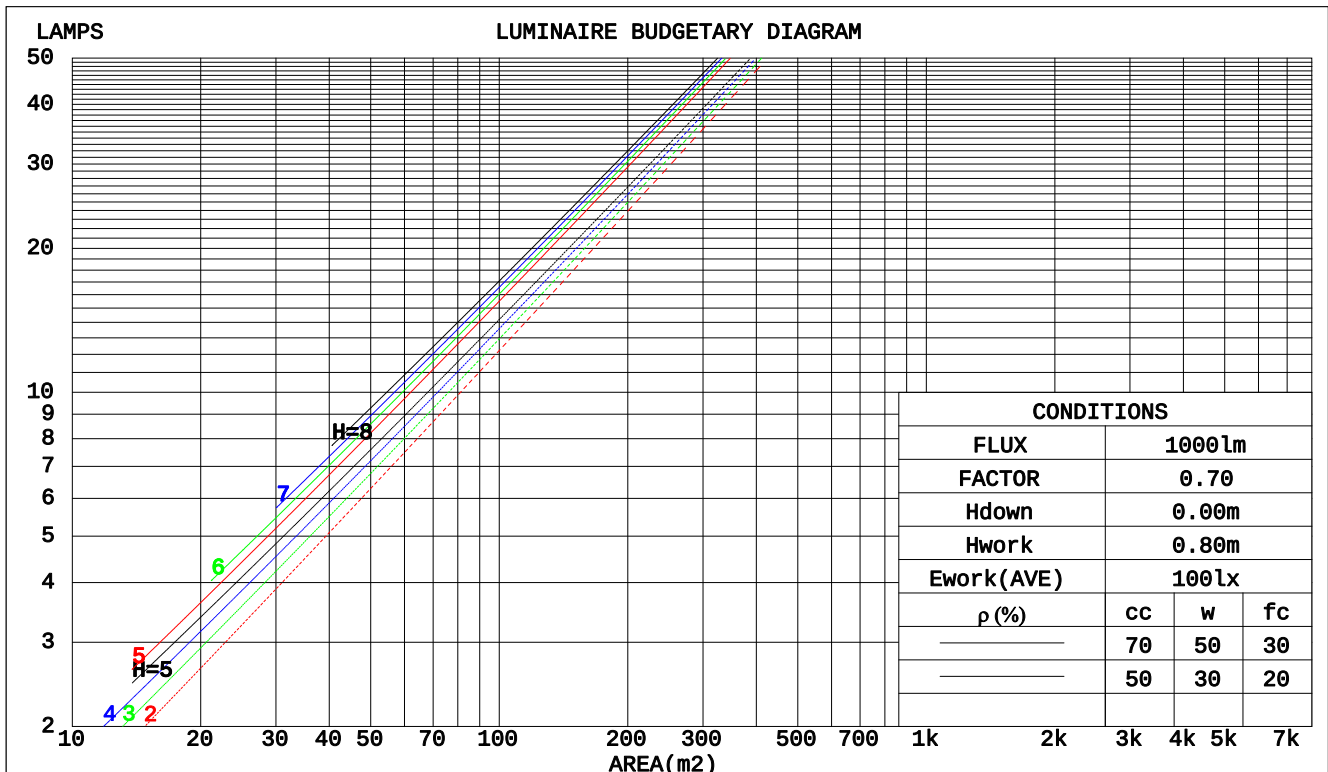
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Humidity:65.0%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.0V I:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.92	.89	.94	.90	.88	.92	.89	.87	.91	.88	.87	.86
6.0	.93	.89	.86	.92	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
7.0	.90	.86	.83	.90	.86	.83	.88	.85	.83	.87	.85	.82	.87	.84	.82	.81
8.0	.88	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.84	.82	.80	.79
9.0	.85	.81	.79	.85	.81	.78	.84	.81	.78	.83	.80	.78	.83	.80	.78	.77
10.0	.83	.79	.76	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm								
NAME: LED Spot Light				TYPE:fixed			WEIGHT:230g	
SPEC.:21W				DIM.: D63*H156mm			SERIAL No.:GEN2026105.01	
MFR.: KOE Lighting Ltd.				SUR.:D57			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	.134	.076	.024	.128	.073	.023	.115	.066	.021	.104	.060	.019	.093	.054	.017	
2.0	.124	.068	.021	.119	.065	.020	.109	.060	.019	.099	.056	.017	.090	.051	.016	
3.0	.115	.061	.018	.111	.059	.018	.103	.056	.017	.095	.052	.016	.087	.048	.015	
4.0	.108	.056	.017	.104	.055	.016	.097	.052	.015	.091	.049	.015	.084	.046	.014	
5.0	.102	.052	.015	.098	.051	.015	.092	.048	.014	.087	.046	.014	.081	.044	.013	
6.0	.096	.048	.014	.093	.047	.014	.088	.045	.013	.083	.043	.013	.079	.041	.012	
7.0	.091	.045	.013	.089	.044	.013	.084	.043	.012	.080	.041	.012	.076	.039	.012	
8.0	.087	.042	.012	.085	.042	.012	.081	.040	.012	.077	.039	.011	.073	.038	.011	
9.0	.083	.040	.011	.081	.039	.011	.078	.038	.011	.074	.037	.011	.071	.036	.010	
10.0	.079	.038	.011	.078	.038	.010	.075	.037	.010	.072	.036	.010	.069	.035	.010	

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.095	.067	.048	.082	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006	
8.0	.088	.060	.041	.076	.052	.036	.053	.037	.026	.031	.022	.015	.010	.007	.005	
9.0	.082	.055	.036	.071	.047	.031	.049	.033	.022	.029	.020	.013	.009	.006	.004	
10.0	.077	.050	.032	.067	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

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:230.0V I:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm										
NAME: LED Spot Light					TYPE:fixed			WEIGHT:230g		
SPEC.:21W					DIM.: D63*H156mm			SERIAL No.:GEN2026105.01		
MFR.: KOE Lighting Ltd.					SUR.:D57			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	9.6	10.2	9.8	10.3	10.5	9.6	10.2	9.8	10.4	10.5
3H	9.5	10.1	9.7	10.3	10.4	9.5	10.1	9.7	10.3	10.5
4H	9.4	10.0	9.7	10.2	10.4	9.4	10.0	9.7	10.2	10.4
6H	9.3	9.9	9.6	10.1	10.3	9.3	9.9	9.6	10.1	10.3
8H	9.3	9.8	9.6	10.0	10.3	9.3	9.8	9.6	10.1	10.3
12H	9.2	9.7	9.5	10.0	10.2	9.3	9.8	9.6	10.0	10.3
4H 2H	9.5	10.0	9.7	10.2	10.4	9.5	10.1	9.8	10.3	10.5
3H	9.4	9.9	9.7	10.1	10.4	9.4	9.9	9.7	10.2	10.4
4H	9.3	9.7	9.6	10.0	10.3	9.3	9.8	9.6	10.1	10.3
6H	9.2	9.6	9.5	9.9	10.2	9.2	9.6	9.6	9.9	10.3
8H	9.1	9.5	9.5	9.8	10.2	9.2	9.5	9.5	9.9	10.2
12H	9.1	9.4	9.5	9.8	10.2	9.1	9.4	9.5	9.8	10.2
8H 4H	9.1	9.5	9.5	9.9	10.2	9.2	9.5	9.5	9.9	10.2
6H	9.0	9.3	9.4	9.7	10.1	9.0	9.4	9.5	9.7	10.2
8H	9.0	9.2	9.4	9.6	10.1	9.0	9.3	9.4	9.7	10.1
12H	8.9	9.1	9.4	9.6	10.0	8.9	9.2	9.4	9.6	10.1
12H 4H	9.1	9.4	9.5	9.8	10.2	9.1	9.4	9.5	9.8	10.2
6H	9.0	9.2	9.4	9.6	10.1	9.0	9.3	9.4	9.7	10.1
8H	8.9	9.1	9.4	9.6	10.0	8.9	9.2	9.4	9.6	10.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.2 / - 4.6					+ 2.5 / - 5.3				
1.5H	+ 3.2 / - 3.4					+ 4.0 / - 3.9				
2.0H	+ 3.8 / - 3.1					+ 3.9 / - 4.6				

CIE Pub.117, 1802 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)

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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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
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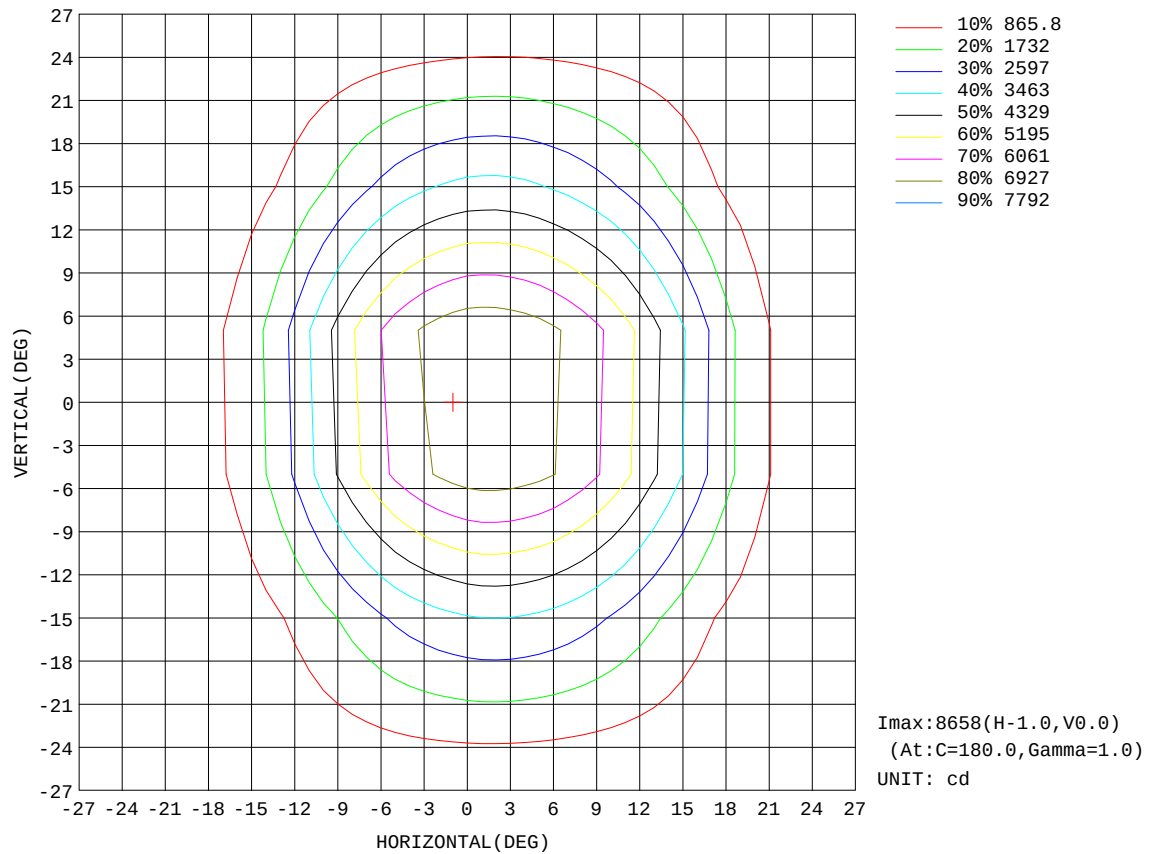
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	95	92	89
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	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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V(B) Range:-90 - 90DEG
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 Humidity:65.0%
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ISOCANDELA DIAGRAM

Test:U:230.0V I:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

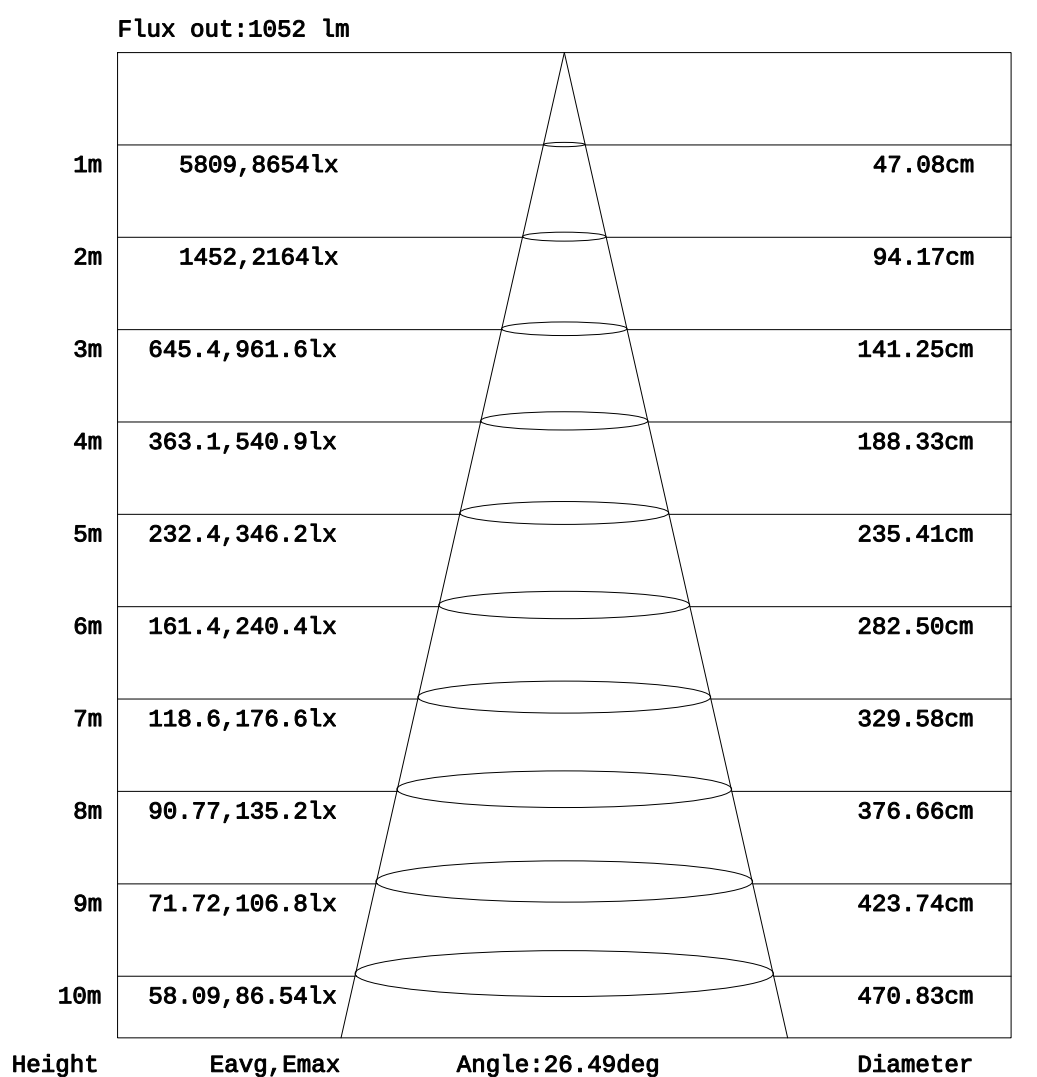


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...



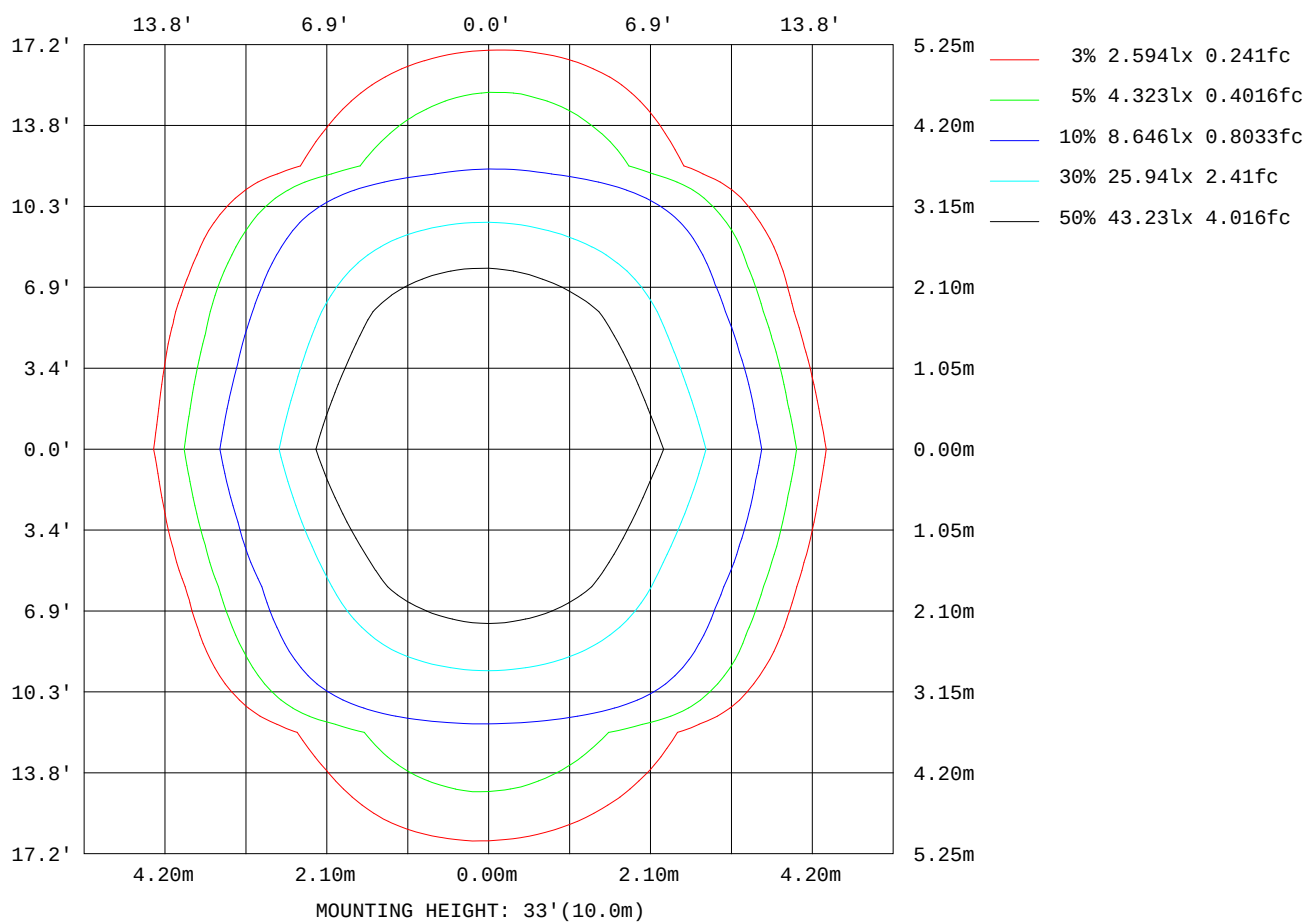
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Judy
Test Date:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Judy
Test Date: 2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

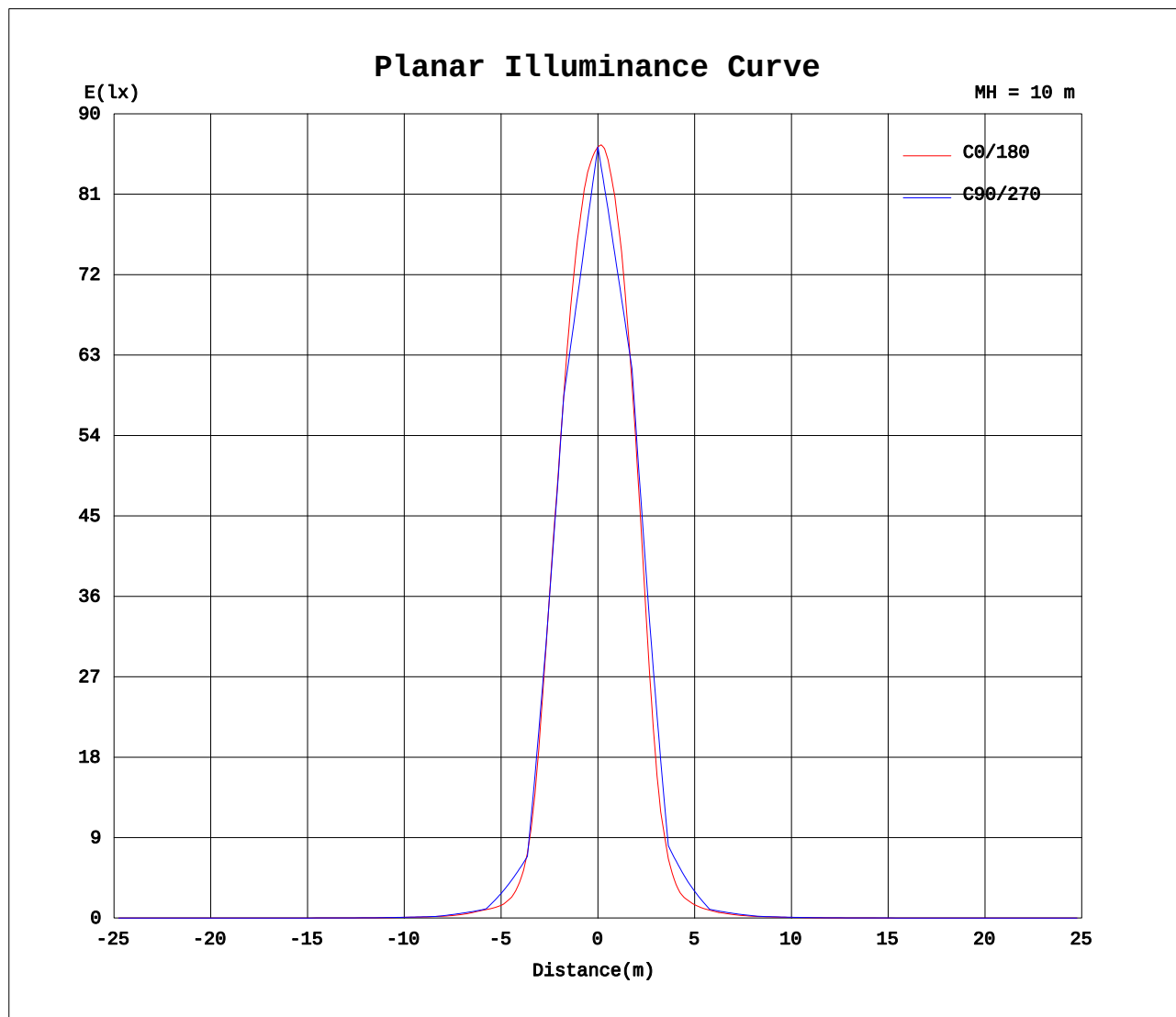
AvgL	cd/m2
L_0~180(65)av	2733
L_0~180(75)av	225
L_0~180(85)av	256
L_90~270(65)av	2987
L_90~270(75)av	211
L_90~270(85)av	230
L_45(65)av	2667
L_45(75)av	228
L_45(85)av	224

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:2026-09-08

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:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

UNIT: cd

[illegible]

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

Table - -3

UNIT: cd

[illegible]

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: Judy
Test Date:2026-09-08

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:0.1880A P:21.00W PF:0.4750 Freq:50.00Hz Lamp Flux:1802.12x1 lm		
NAME: LED Spot Light	TYPE:fixed	WEIGHT:230g
SPEC.:21W	DIM.: D63*H156mm	SERIAL No.:GEN2026105.01
MFR.: KOE Lighting Ltd.	SUR.:D57	Shielding Angle:...

UNIT: cd

[illegible]

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	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8436	8390	8346	8304	8265	8229	8195	8165	8135	8107
5.0	7971	7902	7841	7788	7741	7702	7668	7639	7607	7577
7.5	7218	7145	7091	7055	7034	7021	7018	7026	7025	6966
10.0	6113	6073	6066	6087	6130	6189	6235	6099	5993	5927
12.5	4814	4808	4850	4936	5061	5083	4899	4763	4676	4643
15.0	3365	3423	3540	3704	3810	3560	3364	3231	3164	3319
17.5	1887	2025	2227	2488	2367	2126	1902	1811	2087	2345
20.0	877.2	1015	1212	1381	1229	1036	915.2	1116	1367	1634
22.5	448.8	520.6	621.4	646.0	563.0	447.3	543.3	691.2	895.8	937.0
25.0	262.1	297.3	351.6	331.6	285.9	281.8	345.8	441.0	461.0	422.9
27.5	182.8	202.5	227.6	210.0	187.7	205.3	240.8	250.6	229.7	172.5
30.0	148.3	159.8	168.1	158.1	154.6	164.8	169.6	160.8	139.3	144.6
32.5	113.3	128.9	132.0	119.3	125.3	134.5	122.1	113.5	117.5	120.1
35.0	75.84	92.66	92.61	79.60	94.99	95.11	79.84	87.51	96.30	91.63
37.5	53.34	64.28	61.44	57.43	70.54	63.41	56.85	67.84	71.68	62.98
40.0	41.20	47.55	44.21	44.73	49.20	42.24	45.68	51.23	47.90	42.27
42.5	32.35	37.54	33.85	36.32	35.97	33.72	37.74	36.66	33.17	35.32
45.0	26.21	30.52	26.48	30.02	26.75	27.83	28.89	26.63	27.82	29.16
47.5	18.51	23.40	19.40	22.66	18.89	22.90	20.28	21.18	23.17	21.44
50.0	13.91	16.64	15.08	16.16	15.24	16.81	14.85	17.58	16.92	14.84
52.5	11.35	12.76	12.50	12.05	12.87	12.08	12.61	13.36	11.74	12.90
55.0	9.392	10.34	10.62	9.649	10.60	9.756	10.70	9.799	10.30	11.18
57.5	8.069	8.520	9.051	8.398	8.396	8.614	8.359	8.183	8.980	8.797
60.0	6.697	6.992	7.221	7.360	6.738	7.105	6.667	7.002	6.847	6.788
62.5	4.905	5.048	5.200	5.644	5.525	5.002	5.443	5.102	4.948	5.277
65.0	3.196	3.451	3.313	3.495	3.930	3.573	3.679	3.313	3.612	3.521
67.5	1.736	2.219	2.291	2.132	1.789	2.415	1.744	2.193	1.952	1.529
70.0	0.2275	1.075	1.227	1.133	0.9450	0.5182	1.142	0.9574	0.2717	0.9839
72.5	0.1726	0.2687	0.2557	0.2249	0.4253	0.2352	0.4903	0.1740	0.3411	0.6636
75.0	0.1395	0.1522	0.1718	0.1617	0.1718	0.1523	0.1604	0.1685	0.2088	0.2511
77.5	0.1346	0.1179	0.1163	0.1479	0.1358	0.1273	0.1542	0.1523	0.1560	0.1518
80.0	0.1757	0.1240	0.1132	0.1290	0.1193	0.1326	0.1411	0.1361	0.1355	0.1313
82.5	0.0549	0.1083	0.1201	0.1187	0.1284	0.1272	0.1160	0.1160	0.1148	0.1095
85.0	0.0471	0.0853	0.1089	0.1232	0.1151	0.1081	0.1023	0.1095	0.0990	0.0968
87.5	0	0.0119	0.0795	0.0998	0.1057	0.1104	0.1140	0.1369	0.0918	0.0858
90.0	0	0.0314	0.0393	0.1140	0.1140	0.1218	0.1257	0.1259	0.0980	0.0747

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8082	8060	8041	8027	8010	7994	7982	7974	7971	7963
5.0	7552	7527	7495	7469	7439	7412	7383	7343	7311	7260
7.5	6896	6840	6803	6782	6761	6751	6744	6730	6710	6666
10.0	5892	5886	5905	5934	5972	6012	6054	6099	6108	6098
12.5	4663	4728	4788	4824	4838	4832	4810	4794	4758	4720
15.0	3488	3605	3675	3699	3682	3632	3568	3492	3408	3319
17.5	2549	2679	2683	2572	2455	2338	2250	2173	2120	2078
20.0	1738	1662	1526	1357	1181	1027	911.8	848.2	832.8	858.5
22.5	890.1	748.8	524.4	485.8	540.3	591.7	631.5	656.9	661.8	648.3
25.0	309.4	293.7	340.8	388.8	433.2	470.0	494.6	500.9	490.7	466.4
27.5	196.1	234.7	274.5	306.6	319.8	328.9	332.6	330.8	325.4	314.2
30.0	160.7	187.5	197.9	200.8	195.2	183.7	170.2	160.7	160.0	166.7
32.5	123.2	127.6	126.8	113.7	117.0	120.7	124.7	128.4	131.1	132.1
35.0	86.24	81.73	89.16	94.36	96.42	98.32	100.4	101.7	102.3	101.7
37.5	58.42	65.95	73.12	76.60	75.24	74.02	73.33	72.75	72.86	72.93
40.0	48.50	54.44	56.98	55.32	51.96	48.75	45.97	43.78	43.47	44.39
42.5	40.40	40.53	38.87	34.91	34.37	35.26	35.81	35.95	36.17	35.99
45.0	28.81	27.93	26.94	28.05	28.68	29.24	29.31	29.12	28.88	28.52
47.5	19.35	21.45	22.74	23.21	23.02	22.79	22.37	21.96	21.71	21.50
50.0	16.39	18.27	18.34	17.67	16.68	15.92	15.34	14.80	14.53	14.51
52.5	14.06	14.13	13.44	12.23	11.85	12.12	12.44	12.39	12.23	11.96
55.0	10.99	10.23	9.966	10.20	10.20	10.41	10.42	10.20	9.932	9.590
57.5	8.363	8.265	8.361	8.516	8.433	8.501	8.327	8.032	7.764	7.475
60.0	6.766	6.695	6.551	6.495	6.472	6.475	6.223	5.865	5.596	5.386
62.5	5.065	4.696	4.552	4.487	4.771	4.848	4.675	4.409	4.213	4.014
65.0	3.058	2.834	3.187	3.364	3.487	3.439	3.226	2.976	2.829	2.675
67.5	1.821	2.080	2.251	2.247	2.164	1.998	1.781	1.594	1.501	1.436
70.0	1.288	1.309	1.216	1.014	0.7844	0.5399	0.3351	0.2117	0.1729	0.2035
72.5	0.6470	0.4645	0.1748	0.1683	0.1643	0.1626	0.1601	0.1576	0.1562	0.1505
75.0	0.1681	0.1603	0.1541	0.1532	0.1488	0.1482	0.1460	0.1418	0.1395	0.1311
77.5	0.1471	0.1405	0.1352	0.1354	0.1333	0.1320	0.1324	0.1280	0.1228	0.1182
80.0	0.1259	0.1204	0.1162	0.1167	0.1177	0.1161	0.1187	0.1142	0.1061	0.1059
82.5	0.1053	0.1020	0.0995	0.1001	0.1012	0.1001	0.1009	0.0965	0.0914	0.0886
85.0	0.0951	0.0877	0.0859	0.0839	0.0845	0.0838	0.0830	0.0787	0.0766	0.0710

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-09-08

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	0.0849	0.0794	0.0725	0.0674	0.0678	0.0674	0.0651	0.0629	0.0619	0.0590
90.0	0.0747	0.0746	0.0589	0.0511	0.0511	0.0511	0.0472	0.0472	0.0472	0.0472
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	7959	7962	7971	7983	7995	8014	8040	8073	8113	8156
5.0	7220	7182	7154	7137	7127	7135	7148	7173	7219	7281
7.5	6618	6562	6488	6415	6333	6246	6161	6060	5996	6050
10.0	6051	5972	5880	5774	5643	5488	5312	5128	4928	4739
12.5	4686	4653	4643	4631	4635	4630	4477	4170	3877	3593
15.0	3257	3216	3182	3151	3123	3091	3051	3002	2866	2504
17.5	2051	2026	1978	1888	1768	1721	1712	1689	1633	1565
20.0	907.9	975.0	1025	1040	1007	923.6	815.5	780.3	804.4	797.2
22.5	618.7	580.3	534.1	483.5	467.6	490.4	462.0	414.9	370.9	403.1
25.0	436.9	402.9	368.5	336.7	309.8	287.9	274.8	261.5	233.6	211.9
27.5	298.8	275.1	247.2	220.8	207.4	198.3	189.3	182.4	171.2	156.5
30.0	175.9	178.7	173.6	161.8	146.6	132.5	131.0	131.5	132.6	125.1
32.5	131.2	127.7	122.5	113.4	108.2	101.0	94.23	93.53	99.33	105.8
35.0	99.66	96.86	92.19	86.25	80.95	76.20	73.19	70.60	70.97	75.50
37.5	72.31	70.80	66.43	62.09	60.22	58.07	55.12	53.40	51.52	51.47
40.0	46.44	48.43	48.72	47.22	44.92	42.12	41.21	40.85	40.83	36.89
42.5	35.72	35.49	35.10	34.80	34.92	32.54	30.31	31.73	32.91	30.65
45.0	28.10	27.80	27.56	27.26	27.02	25.66	24.48	23.23	24.42	25.38
47.5	21.22	20.88	20.62	20.61	20.55	19.83	19.05	18.31	16.99	18.26
50.0	14.57	14.56	14.89	15.38	15.04	14.75	14.70	14.90	13.34	13.11
52.5	11.46	10.75	10.44	10.62	11.20	11.31	10.80	10.59	10.79	10.34
55.0	9.064	8.610	8.469	8.418	8.364	8.664	8.681	8.149	8.451	8.874
57.5	7.074	6.757	6.628	6.471	6.475	6.720	7.015	6.717	6.284	6.927
60.0	5.181	5.054	5.022	4.948	4.827	4.839	5.045	5.164	4.894	4.576
62.5	3.828	3.703	3.625	3.493	3.389	3.347	3.233	3.264	3.424	3.149
65.0	2.579	2.536	2.530	2.462	2.281	1.998	1.880	1.781	1.869	1.961
67.5	1.421	1.450	1.501	1.484	1.408	1.265	1.002	0.7228	0.8535	0.9371
70.0	0.2842	0.4033	0.5496	0.6705	0.7241	0.6637	0.5419	0.2736	0.2253	0.3917
72.5	0.1425	0.1299	0.1235	0.1187	0.1151	0.2448	0.2652	0.1547	0.1765	0.1880
75.0	0.1253	0.1157	0.1113	0.1077	0.1032	0.1016	0.1045	0.0347	0.1367	0.1452
77.5	0.1117	0.1035	0.0993	0.0975	0.0928	0.0946	0.0983	0.0861	0.1087	0.1114
80.0	0.0990	0.0919	0.0888	0.0910	0.0861	0.0876	0.0893	0.0935	0.0936	0.0958
82.5	0.0842	0.0792	0.0777	0.0802	0.0772	0.0798	0.0817	0.0840	0.0856	0.0871
85.0	0.0692	0.0660	0.0662	0.0657	0.0659	0.0702	0.0716	0.0733	0.0754	0.0783
87.5	0.0562	0.0545	0.0547	0.0541	0.0546	0.0607	0.0613	0.0622	0.0633	0.0648
90.0	0.0432	0.0432	0.0432	0.0432	0.0432	0.0511	0.0511	0.0511	0.0511	0.0511
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8200	8250	8306	8367	8432	8501	8573	8512	8453	8398
5.0	7359	7456	7571	7702	7847	8004	8170	8025	7889	7764
7.5	6141	6276	6449	6642	6870	7129	7415	7158	6930	6733
10.0	4561	4707	4914	5176	5488	5849	6254	5881	5552	5273
12.5	3318	3075	3170	3482	3848	4266	4744	4293	3904	3569
15.0	2176	1915	1697	1919	2246	2606	3022	2624	2284	1982
17.5	1321	1104	950.3	912.4	1128	1350	1603	1361	1151	951.2
20.0	778.5	654.0	542.7	458.6	546.9	667.0	802.1	673.6	561.1	484.2
22.5	414.0	406.4	328.8	283.0	291.1	353.0	418.7	359.0	303.9	303.9
25.0	234.0	246.3	233.9	200.9	189.1	225.2	265.5	231.0	200.7	220.6
27.5	149.5	161.3	169.9	150.2	136.2	159.2	186.2	163.6	145.8	168.2
30.0	113.0	112.0	121.3	118.5	105.4	116.0	137.7	117.7	111.0	133.2
32.5	92.11	80.83	90.37	96.30	81.00	83.35	99.82	83.08	82.12	103.7
35.0	73.11	61.95	62.97	71.53	60.12	59.44	72.97	59.40	59.70	71.02
37.5	53.82	48.42	43.86	50.11	45.51	43.69	52.68	43.39	45.26	49.64
40.0	38.36	40.34	35.37	37.23	37.60	34.31	40.01	34.08	36.99	36.57
42.5	28.38	32.17	29.50	28.46	30.87	26.29	32.49	26.11	30.36	27.72
45.0	22.16	23.22	24.23	20.29	24.73	18.81	24.97	18.63	24.35	19.68
47.5	17.71	15.77	18.69	15.13	17.56	14.32	18.02	14.22	17.20	14.74
50.0	13.81	12.49	13.32	12.09	12.75	11.17	13.53	11.20	12.63	11.99
52.5	10.22	10.50	9.797	10.31	9.734	9.418	10.54	9.496	9.799	10.32
55.0	8.056	8.669	7.983	8.870	7.893	8.052	8.795	8.079	7.858	8.916
57.5	6.846	6.447	6.867	6.873	6.146	6.750	7.413	6.690	6.045	6.824
60.0	5.260	4.637	5.418	4.670	4.911	5.350	5.779	5.297	4.866	4.703
62.5	3.079	3.525	3.238	3.206	3.805	4.084	4.286	4.018	3.818	3.325
65.0	1.636	2.026	1.680	2.269	2.574	2.484	2.699	2.471	2.615	2.380
67.5	0.6966	0.7309	0.8813	0.9207	0.8936	0.9547	1.340	0.9029	0.8717	0.9677
70.0	0.2279	0.2365	0.2220	0.1946	0.1894	0.1946	0.2601	0.1844	0.1669	0.1640
72.5	0.1810	0.1646	0.1563	0.1920	0.1508	0.1479	0.2046	0.1330	0.1194	0.1525
75.0	0.1564	0.1490	0.1262	0.1362	0.1164	0.1427	0.1574	0.1260	0.0810	0.0863
77.5	0.1171	0.1341	0.1260	0.1022	0.1212	0.1212	0.1278	0.0975	0.0700	0.0499

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

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	0.0950	0.0969	0.1168	0.1033	0.0901	0.0730	0.1062	0.0407	0.0296	0.0330
82.5	0.0825	0.0814	0.0830	0.0981	0.0728	0.0580	0.0826	0.0159	0.0067	0.0285
85.0	0.0823	0.0819	0.0791	0.0690	0.0790	0.0246	0.0669	0.0141	0.0143	0.0016
87.5	0.0668	0.0696	0.0740	0.0810	0.0338	0.0247	0.0473	0.0085	0.0048	0.0120
90.0	0.0511	0.0511	0.0511	0.0511	0.0000	0.0000	0.0079	0.0000	0.0000	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	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8346	8300	8258	8223	8187	8155	8128	8107	8093	8084
5.0	7653	7557	7479	7418	7372	7343	7332	7331	7332	7349
7.5	6570	6426	6317	6251	6223	6312	6436	6538	6638	6730
10.0	5046	4875	4768	4991	5223	5465	5677	5879	6060	6199
12.5	3294	3251	3552	3882	4228	4582	4923	5093	5071	5049
15.0	1792	2071	2408	2802	3237	3379	3417	3436	3449	3458
17.5	1024	1226	1504	1811	1887	1924	1938	1927	1966	2086
20.0	593.1	737.9	901.3	919.1	918.9	885.2	913.1	1029	1103	1128
22.5	362.3	458.8	467.9	450.8	407.1	450.2	494.5	513.0	479.5	495.6
25.0	261.0	274.6	259.7	228.6	243.9	265.2	270.0	278.7	304.8	336.6
27.5	194.6	181.3	163.2	166.8	172.1	172.3	180.9	192.3	202.9	214.3
30.0	138.9	124.7	121.7	130.6	132.2	128.6	126.9	128.5	144.1	155.6
32.5	98.13	84.65	95.45	107.1	99.77	93.55	94.03	100.9	108.7	110.0
35.0	63.00	61.48	71.95	74.91	70.58	70.50	73.82	78.01	83.06	86.21
37.5	43.32	47.86	52.95	50.59	50.16	52.81	55.28	58.79	61.44	63.16
40.0	34.57	39.35	37.56	36.35	39.85	39.76	40.75	42.16	45.21	47.55
42.5	28.81	31.41	27.56	30.03	32.37	30.93	29.62	32.46	34.79	34.44
45.0	23.51	22.52	21.36	24.81	24.24	23.02	24.01	25.66	26.95	27.29
47.5	17.80	15.13	16.92	17.64	16.69	18.13	18.80	19.96	20.90	21.00
50.0	12.89	12.04	13.20	12.64	13.20	14.01	14.70	15.06	15.73	16.12
52.5	9.740	10.27	10.06	10.21	10.89	10.97	11.19	11.88	12.18	11.70
55.0	7.985	8.635	8.076	8.823	8.667	8.599	9.376	9.574	9.469	9.518
57.5	6.865	6.571	6.994	7.053	6.622	7.340	7.829	7.571	7.431	7.562
60.0	5.499	4.909	5.629	4.950	5.421	5.891	5.738	5.610	5.685	6.033
62.5	3.419	3.944	3.484	3.689	4.051	3.823	3.843	4.012	4.204	4.539
65.0	1.864	2.283	2.049	2.458	2.274	2.235	2.424	2.599	2.901	3.179
67.5	1.058	0.8026	1.099	1.158	1.022	1.033	1.409	1.692	1.771	1.905
70.0	0.1983	0.2282	0.2766	0.4600	0.2217	0.4587	0.7429	0.8785	0.9023	0.8620
72.5	0.1154	0.1150	0.1417	0.1522	0.1468	0.1441	0.3310	0.3004	0.1254	0.1482
75.0	0.0743	0.0985	0.1048	0.0943	0.0857	0.0761	0.0923	0.0947	0.0977	0.1108
77.5	0.0606	0.0672	0.0540	0.0512	0.0454	0.0511	0.0694	0.0771	0.0755	0.0809
80.0	0.0447	0.0231	0.0305	0.0338	0.0397	0.0393	0.0515	0.0579	0.0567	0.0589
82.5	0.0055	0.0083	0.0257	0.0250	0.0302	0.0325	0.0381	0.0405	0.0408	0.0422
85.0	0.0109	0.0196	0.0514	0.0174	0.0207	0.0222	0.0229	0.0254	0.0272	0.0282
87.5	0.0152	0.0139	0.0157	0.0101	0.0093	0.0111	0.0103	0.0121	0.0136	0.0141
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	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8074	8067	8064	8067	8074	8073	8076	8083	8093	8105
5.0	7369	7399	7437	7472	7517	7534	7558	7577	7596	7616
7.5	6804	6873	6911	6945	6977	6971	6967	6965	6952	6951
10.0	6307	6390	6440	6442	6437	6387	6327	6253	6173	6106
12.5	5037	5027	5034	5033	5054	5061	5061	5050	5029	5005
15.0	3475	3498	3534	3591	3671	3729	3795	3845	3869	3865
17.5	2163	2210	2244	2275	2324	2370	2437	2519	2611	2722
20.0	1106	1058	1007	978.2	976.8	1006	1065	1173	1310	1472
22.5	553.5	613.8	671.0	723.1	759.6	771.3	750.0	704.9	640.5	562.0
25.0	372.5	411.9	454.3	498.1	542.4	571.9	578.9	554.9	510.1	446.5
27.5	241.2	271.4	298.9	323.8	348.1	368.9	381.8	384.4	373.7	352.3
30.0	163.1	167.0	163.3	156.2	153.8	165.8	186.3	208.6	224.8	226.5
32.5	112.4	116.0	119.6	122.7	125.6	130.2	133.2	133.4	131.6	126.5
35.0	87.54	89.00	91.49	94.50	97.51	101.2	105.5	107.5	107.1	103.8
37.5	65.40	66.23	67.55	69.44	70.96	73.36	76.83	79.88	82.72	83.94
40.0	47.76	46.29	45.05	44.74	44.41	45.33	47.87	51.10	55.90	59.65
42.5	34.11	34.49	35.13	36.34	36.95	37.20	37.11	36.13	35.82	36.83
45.0	27.41	27.54	27.83	28.65	29.49	30.01	30.37	29.99	29.90	29.54
47.5	21.11	21.30	21.48	21.85	22.29	22.65	23.08	23.34	23.93	24.26
50.0	15.84	15.61	15.37	15.16	15.09	15.27	15.68	16.41	17.31	18.25
52.5	11.63	12.13	12.58	12.88	13.04	13.07	12.86	12.65	12.24	12.28
55.0	9.654	10.04	10.47	10.80	11.00	11.10	11.01	10.91	10.60	10.28
57.5	7.830	8.237	8.657	8.899	9.010	9.026	8.986	8.968	8.863	8.729
60.0	6.276	6.630	6.922	7.015	7.022	6.947	6.934	6.933	6.873	6.856
62.5	4.759	5.011	5.220	5.297	5.317	5.290	5.276	5.247	5.130	5.034
65.0	3.312	3.396	3.521	3.581	3.613	3.651	3.690	3.752	3.762	3.762
67.5	1.963	1.925	1.932	1.919	1.921	1.965	2.054	2.201	2.350	2.491
70.0	0.7182	0.5293	0.3695	0.2598	0.2279	0.2791	0.4153	0.6271	0.8751	1.139

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Judy

Test Date:2026-09-08

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	0.1518	0.1543	0.1613	0.1717	0.1837	0.1878	0.1912	0.1971	0.1967	0.1930
75.0	0.1203	0.1189	0.1237	0.1290	0.1395	0.1425	0.1454	0.1506	0.1543	0.1515
77.5	0.0890	0.0867	0.0883	0.0902	0.0953	0.0971	0.0996	0.1040	0.1090	0.1084
80.0	0.0583	0.0553	0.0532	0.0517	0.0511	0.0518	0.0538	0.0573	0.0622	0.0636
82.5	0.0407	0.0396	0.0389	0.0385	0.0383	0.0385	0.0389	0.0396	0.0407	0.0390
85.0	0.0272	0.0264	0.0259	0.0256	0.0255	0.0256	0.0259	0.0264	0.0272	0.0260
87.5	0.0136	0.0132	0.0130	0.0128	0.0128	0.0128	0.0130	0.0132	0.0136	0.0130
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	8631	8631	8631	8631	8631	8631	8631	8631	8631	8631
2.5	8116	8129	8146	8166	8188	8211	8235	8262	8292	8324
5.0	7628	7645	7669	7696	7716	7733	7755	7783	7783	7818
7.5	6957	6982	7025	7078	7118	7104	7086	7079	7081	7090
10.0	6071	6031	6027	6058	6111	6202	6325	6268	6196	6138
12.5	4957	4913	4857	4823	4845	4917	5032	5196	5154	5008
15.0	3846	3783	3682	3528	3371	3406	3513	3680	3912	3780
17.5	2829	2839	2714	2513	2244	1937	1989	2189	2421	2533
20.0	1636	1773	1861	1753	1459	1166	937.1	1045	1238	1390
22.5	574.6	800.2	950.8	1001	944.1	708.0	546.2	440.3	555.3	641.1
25.0	373.3	309.1	322.0	440.5	473.1	445.1	340.6	266.9	270.0	319.9
27.5	300.8	247.0	202.3	175.9	231.9	249.0	232.8	191.9	170.5	197.0
30.0	214.3	196.9	165.9	147.5	138.5	155.6	161.4	153.6	140.7	145.1
32.5	135.2	133.2	127.7	122.7	116.4	112.7	118.7	126.5	116.8	113.5
35.0	94.44	85.95	89.74	93.52	95.82	89.67	83.67	93.10	93.35	80.26
37.5	77.35	69.72	61.30	65.09	73.19	71.17	60.30	64.65	71.32	58.20
40.0	60.16	57.62	50.81	44.94	49.44	54.18	47.98	43.45	50.17	45.27
42.5	41.31	42.91	42.34	37.60	34.03	38.40	39.53	33.91	36.52	36.57
45.0	28.70	29.40	30.40	30.89	28.64	27.54	29.96	28.63	27.30	30.33
47.5	23.95	22.70	20.25	22.14	23.87	22.23	21.01	23.83	19.45	23.35
50.0	19.11	19.05	16.97	15.19	17.57	18.47	15.49	17.44	15.81	16.53
52.5	13.70	14.65	14.50	13.20	12.21	14.03	13.28	12.69	13.38	12.36
55.0	10.04	10.36	11.22	11.45	10.78	10.43	11.37	10.32	11.09	9.833
57.5	8.592	8.489	8.551	9.219	9.476	8.849	9.064	9.203	8.955	8.699
60.0	6.989	7.111	7.096	7.322	7.459	7.543	7.258	7.627	7.264	7.737
62.5	5.226	5.295	5.485	5.790	5.418	5.497	5.862	5.288	5.894	5.950
65.0	3.831	3.517	3.551	3.968	4.057	3.492	3.889	3.698	4.101	3.550
67.5	2.678	2.570	2.243	1.890	2.225	2.318	1.778	2.484	1.827	2.153
70.0	1.437	1.610	1.567	1.226	0.5208	0.9711	1.152	0.5379	0.9587	1.208
72.5	0.1891	0.5370	0.7544	0.7899	0.4093	0.1482	0.4542	0.2235	0.4077	0.1923
75.0	0.1499	0.1430	0.1378	0.2409	0.2404	0.1324	0.0993	0.1124	0.1269	0.1188
77.5	0.1106	0.1036	0.0981	0.1003	0.1011	0.1018	0.0913	0.0705	0.0748	0.0950
80.0	0.0660	0.0563	0.0561	0.0617	0.0640	0.0676	0.0706	0.0674	0.0467	0.0581
82.5	0.0375	0.0218	0.0154	0.0149	0.0205	0.0296	0.0374	0.0487	0.0504	0.0214
85.0	0.0251	0.0148	0.0105	0.0069	0.0014	0.0004	0	0.0110	0.0222	0.0316
87.5	0.0125	0.0073	0.0052	0.0055	0.0015	0.0016	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	8631	8631								
2.5	8359	8396								
5.0	7861	7912								
7.5	7115	7157								
10.0	6101	6090								
12.5	4898	4832								
15.0	3590	3447								
17.5	2253	2037								
20.0	1216	1016								
22.5	618.9	519.0								
25.0	343.1	292.0								
27.5	219.0	198.1								
30.0	159.4	155.4								
32.5	126.8	125.6								
35.0	92.73	92.40								
37.5	61.98	64.74								
40.0	44.34	47.86								
42.5	34.01	37.52								
45.0	27.00	30.99								
47.5	19.63	23.43								
50.0	15.34	16.75								
52.5	12.67	12.81								
55.0	10.74	10.37								
57.5	9.163	8.581								
60.0	7.443	7.090								
62.5	5.399	5.181								

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

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:

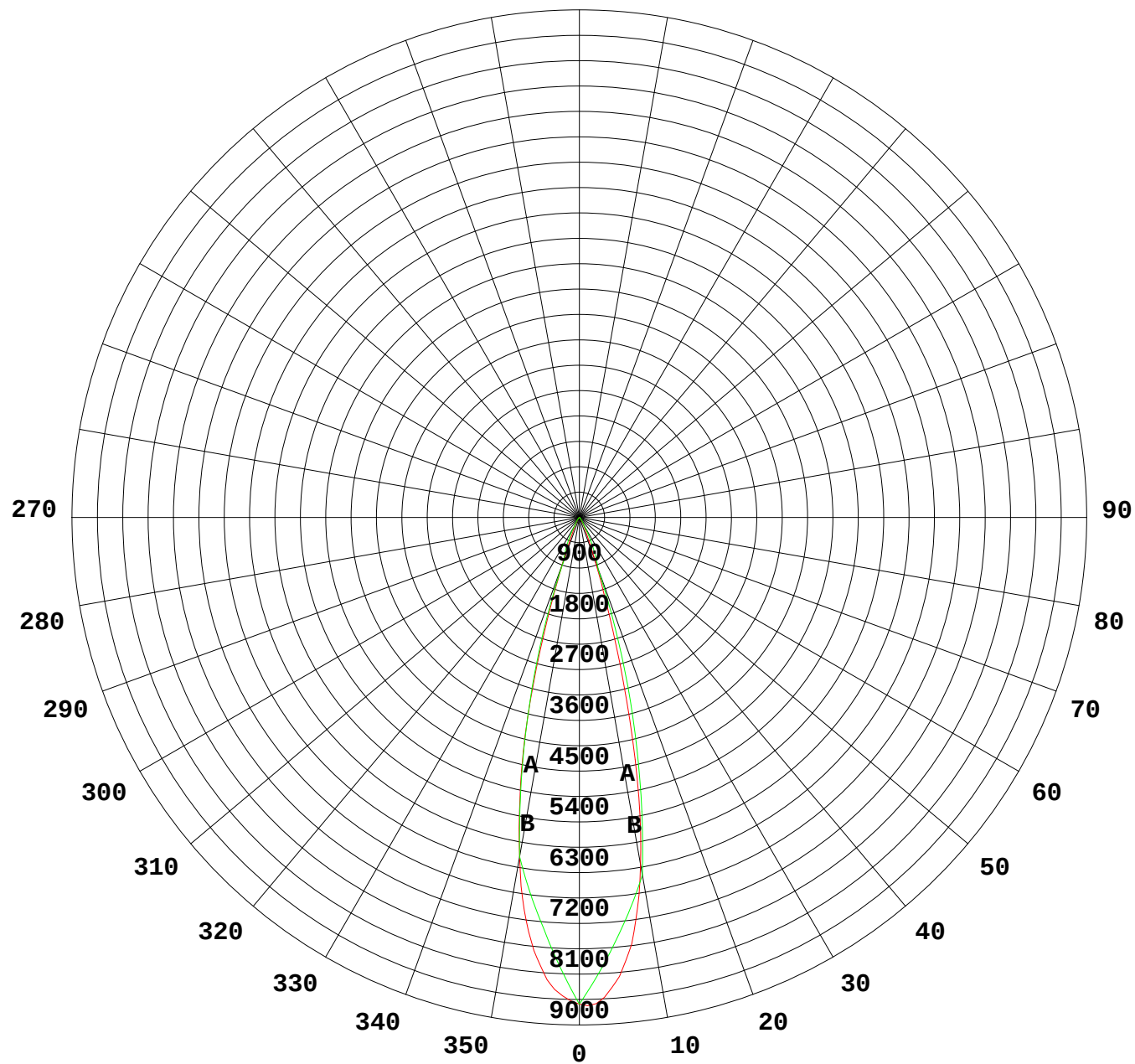
Photometric Data Table [cd]

65.0	3.346	3.520
67.5	2.282	2.183
70.0	1.261	1.094
72.5	0.2445	0.2536
75.0	0.1379	0.1281
77.5	0.0628	0.0824
80.0	0.0554	0.0847
82.5	0.0441	0.0568
85.0	0.0117	0.0195
87.5	0.0145	0.0075
90.0	0	0

H(B) Range:-90 - 90DEG
 H(B) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Judy
 Test Date:2026-09-08

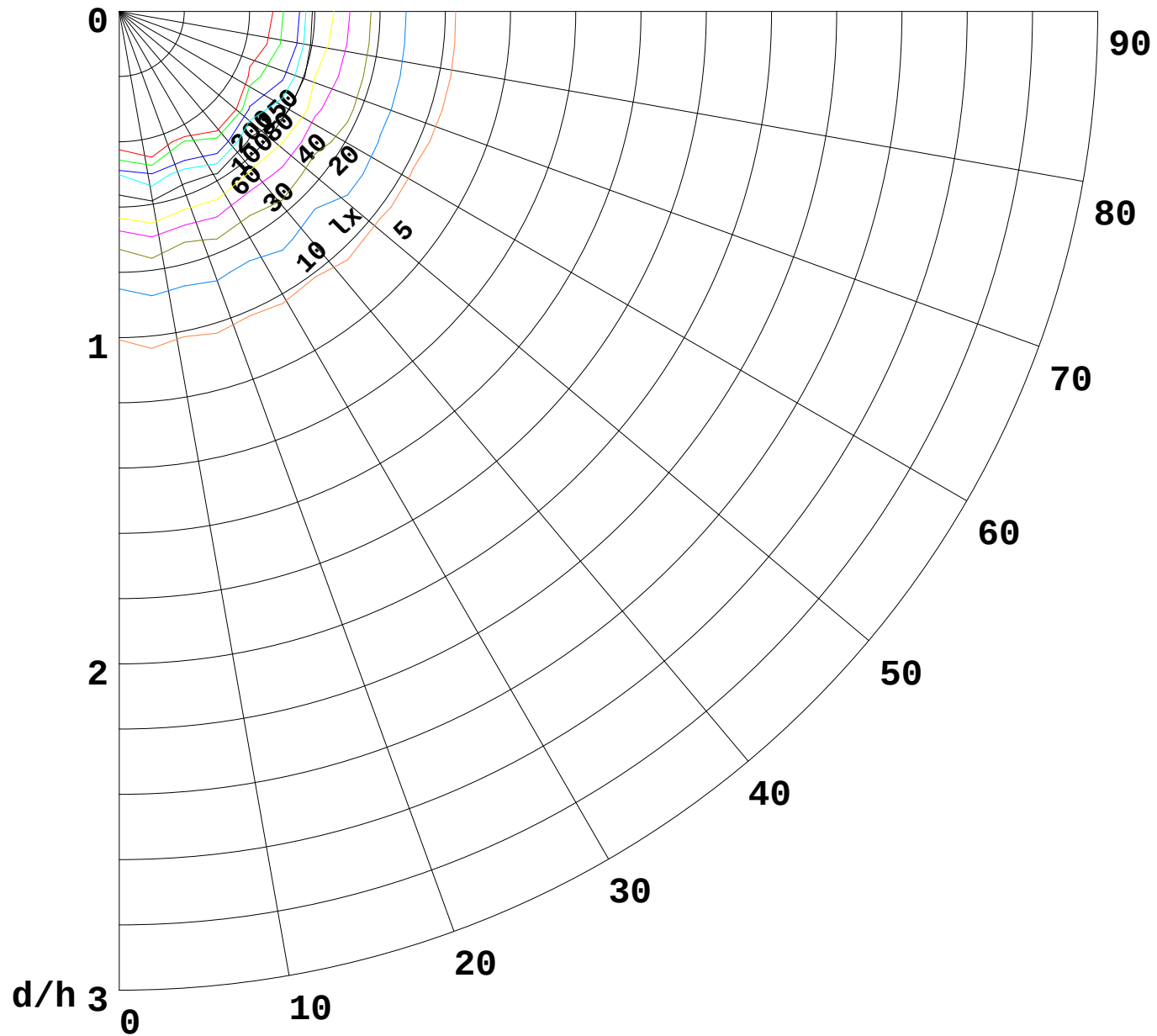
V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

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

