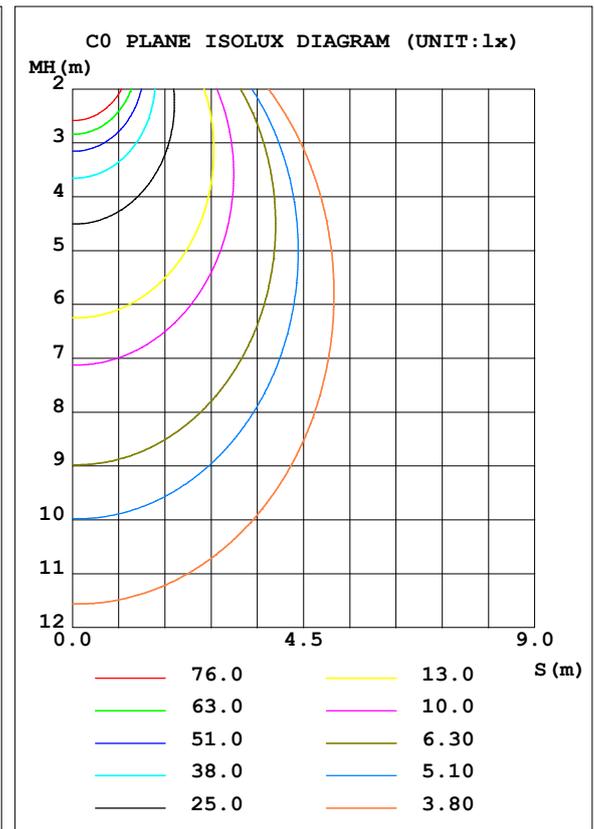
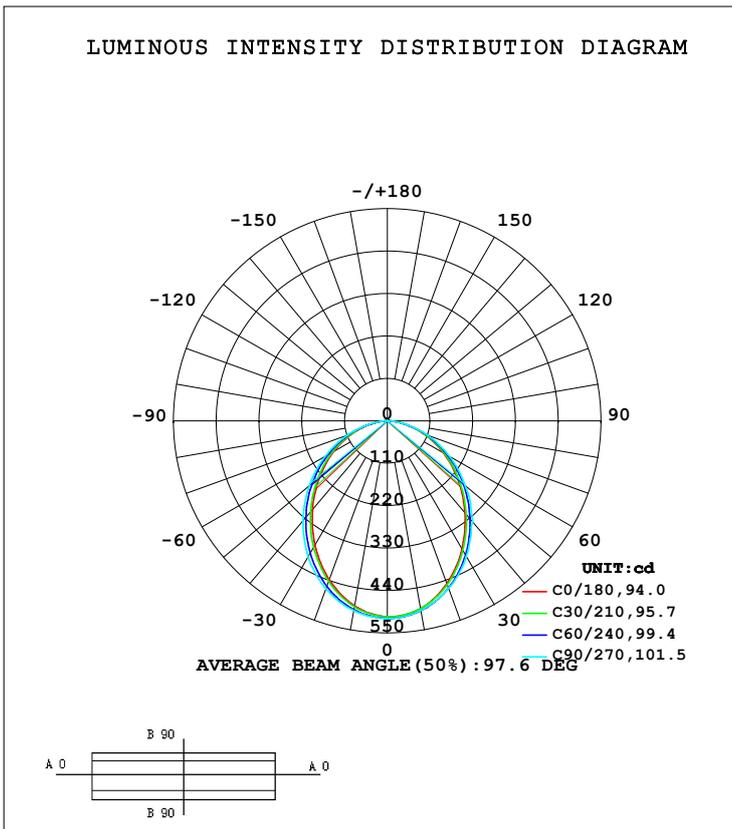


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.38 lm/W			
MODEL		I <sub>max</sub> (cd)	515.9	S/MH (C0/180)	1.11
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.19
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1240.3	η UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	1240.35	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: SENPU  
 Test Date: 2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity: 61%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	493.9	499.4	499.0	498.5	486.8	493.9	499.4	501.1	0- 10	48.18	48.18	3.88,3.88
20	449.0	458.9	461.8	455.5	437.8	449.7	463.0	459.1	10- 20	134.9	183.1	14.8,14.8
30	384.3	398.1	406.7	393.7	372.6	387.0	407.2	396.8	20- 30	196.2	379.2	30.6,30.6
40	310.7	326.1	342.5	322.8	299.1	315.6	337.9	324.5	30- 40	224.3	603.5	48.7,48.7
50	237.6	250.1	261.8	247.3	227.8	241.8	262.3	248.9	40- 50	219.9	823.4	66.4,66.4
60	167.4	176.4	185.4	174.6	159.6	169.6	185.5	174.8	50- 60	188.4	1012	81.6,81.6
70	100.9	105.5	110.4	104.5	94.26	99.77	110.0	103.2	60- 70	137.3	1149	92.6,92.6
80	39.45	40.54	40.81	39.70	34.54	35.82	39.95	37.77	70- 80	74.17	1223	98.6,98.6
90	1.584	0.9374	0.3533	1.071	1.097	0.4835	0.0977	0.4229	80- 90	16.61	1240	100,100
100	0.7100	0.5768	0.3195	0.5768	0.5147	0.2308	0.1242	0.2485	90-100	0.4569	1240	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0216	1240	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1240	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1240	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1240	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1240	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1240	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1240	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1240	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 715.82 lm

%lum = 57.7%

%lamp = 57.7%

Conical surface Flux(120deg): 1011.8 lm

%lum = 81.6%

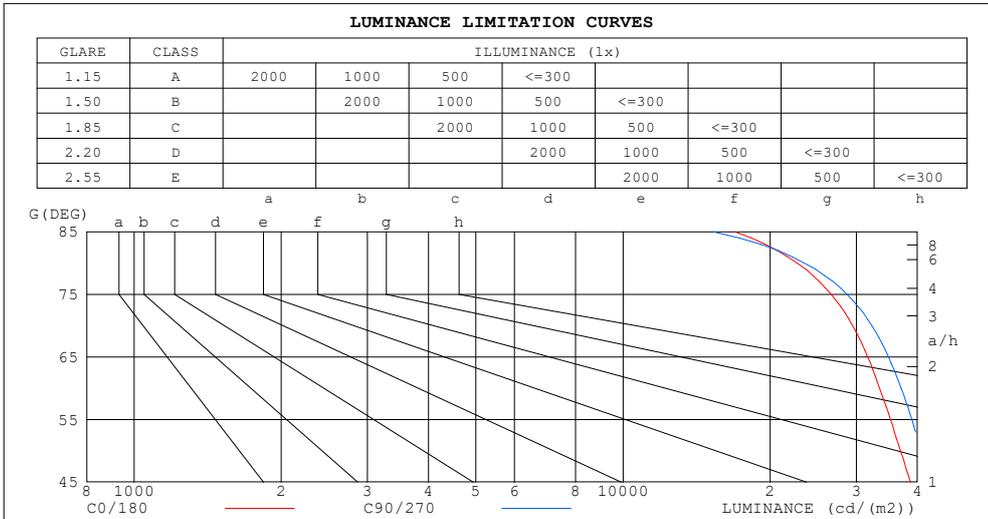
%lamp = 81.6%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	16952	15328
80	22720	23501
75	26670	28748
70	29493	32277
65	31657	34925
60	33486	37073
55	35259	38988
50	36967	40734
45	38744	42909

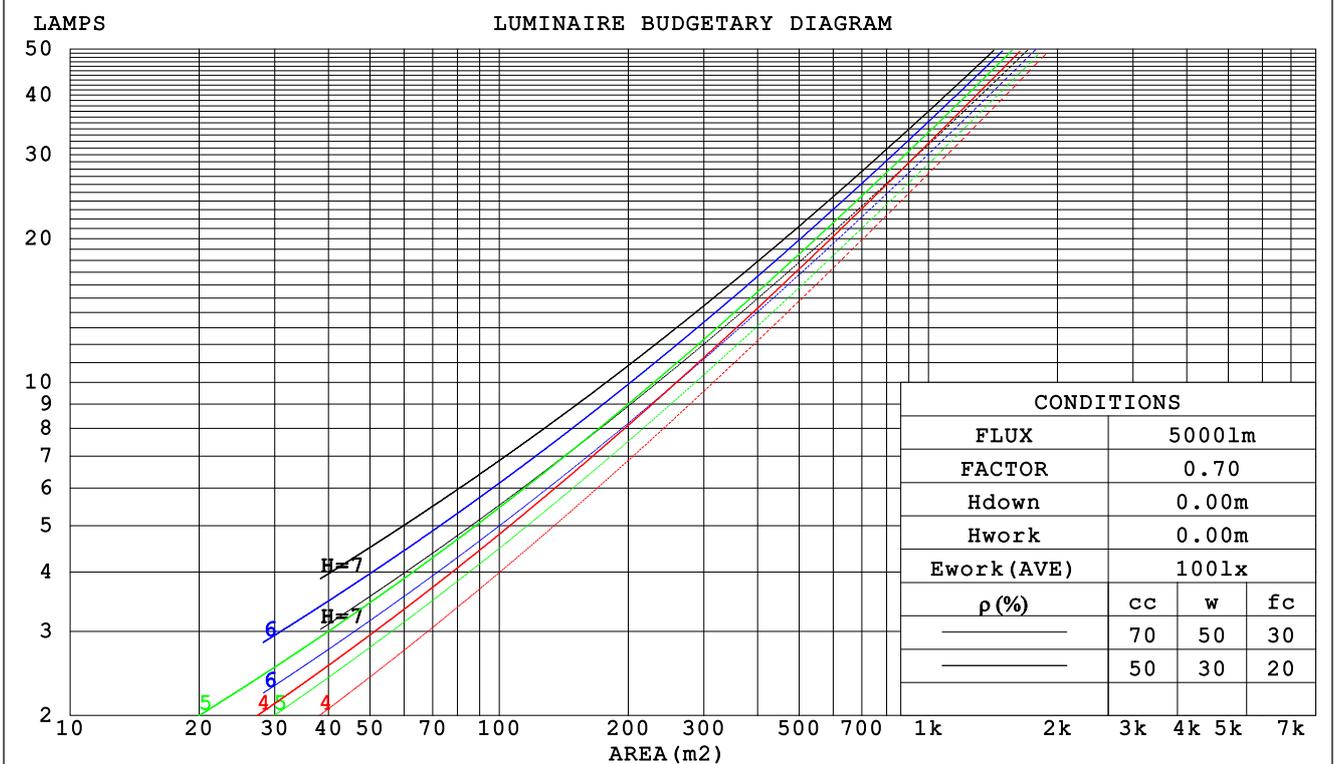
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.74	.71
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52
5.0	.65	.56	.50	.64	.55	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.44	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.44	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.40	.35	.48	.40	.35	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.28	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.293	.166	.053	.286	.163	.052	.272	.156	.050	.260	.150	.048	.249	.144	.047	
2.0	.278	.152	.047	.272	.150	.046	.260	.145	.045	.250	.140	.044	.240	.136	.043	
3.0	.259	.138	.041	.253	.136	.041	.243	.132	.040	.234	.128	.039	.225	.125	.039	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.223	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.189	.098	.029	.183	.096	.029	
7.0	.193	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.172	.089	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.084	.024	.162	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.153	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.073	.021	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.157	.136	.154	.134	.117	.105	.092	.081	.060	.054	.047	.019	.017	.015	
2.0	.171	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.012	
3.0	.163	.115	.076	.139	.099	.066	.096	.069	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.049	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.013	.015	.009	.004	
8.0	.127	.069	.030	.110	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm											
NAME: 68851		TYPE:				WEIGHT:					
SPEC.:		DIM.:				SERIAL No.: 2026010901					
MFR.:		SUR.:				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		25.0	26.5	25.3	26.7	26.9	25.5	27.0	25.8	27.2	27.4
	3H	26.4	27.7	26.7	28.0	28.2	26.9	28.3	27.2	28.5	28.8
	4H	26.9	28.2	27.2	28.5	28.7	27.5	28.7	27.8	29.0	29.2
	6H	27.3	28.5	27.6	28.7	29.0	27.8	29.0	28.1	29.3	29.5
	8H	27.4	28.5	27.7	28.8	29.1	27.9	29.0	28.2	29.3	29.6
	12H	27.4	28.5	27.7	28.8	29.1	27.9	29.0	28.2	29.3	29.6
	4H 2H	25.6	26.9	26.0	27.2	27.4	26.0	27.3	26.3	27.6	27.8
	3H	27.2	28.3	27.5	28.6	28.9	27.6	28.7	28.0	29.0	29.3
	4H	27.8	28.8	28.2	29.2	29.5	28.3	29.3	28.6	29.6	29.9
	6H	28.3	29.2	28.7	29.5	29.9	28.7	29.6	29.1	30.0	30.3
	8H	28.4	29.3	28.8	29.6	30.0	28.8	29.7	29.2	30.0	30.4
	12H	28.5	29.3	28.9	29.6	30.1	28.9	29.7	29.3	30.0	30.4
	8H 4H	28.1	28.9	28.5	29.3	29.7	28.5	29.3	28.9	29.7	30.1
	6H	28.6	29.3	29.1	29.8	30.2	29.0	29.7	29.5	30.1	30.6
	8H	28.9	29.5	29.3	29.9	30.3	29.2	29.8	29.7	30.3	30.7
	12H	29.0	29.5	29.5	30.0	30.4	29.3	29.8	29.8	30.3	30.8
	12H 4H	28.1	28.8	28.5	29.2	29.6	28.5	29.2	28.9	29.6	30.0
	6H	28.7	29.3	29.1	29.7	30.2	29.1	29.7	29.5	30.1	30.6
	8H	28.9	29.5	29.4	29.9	30.4	29.3	29.8	29.7	30.2	30.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 1240 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 0.7$ )  
Area: 0.01 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

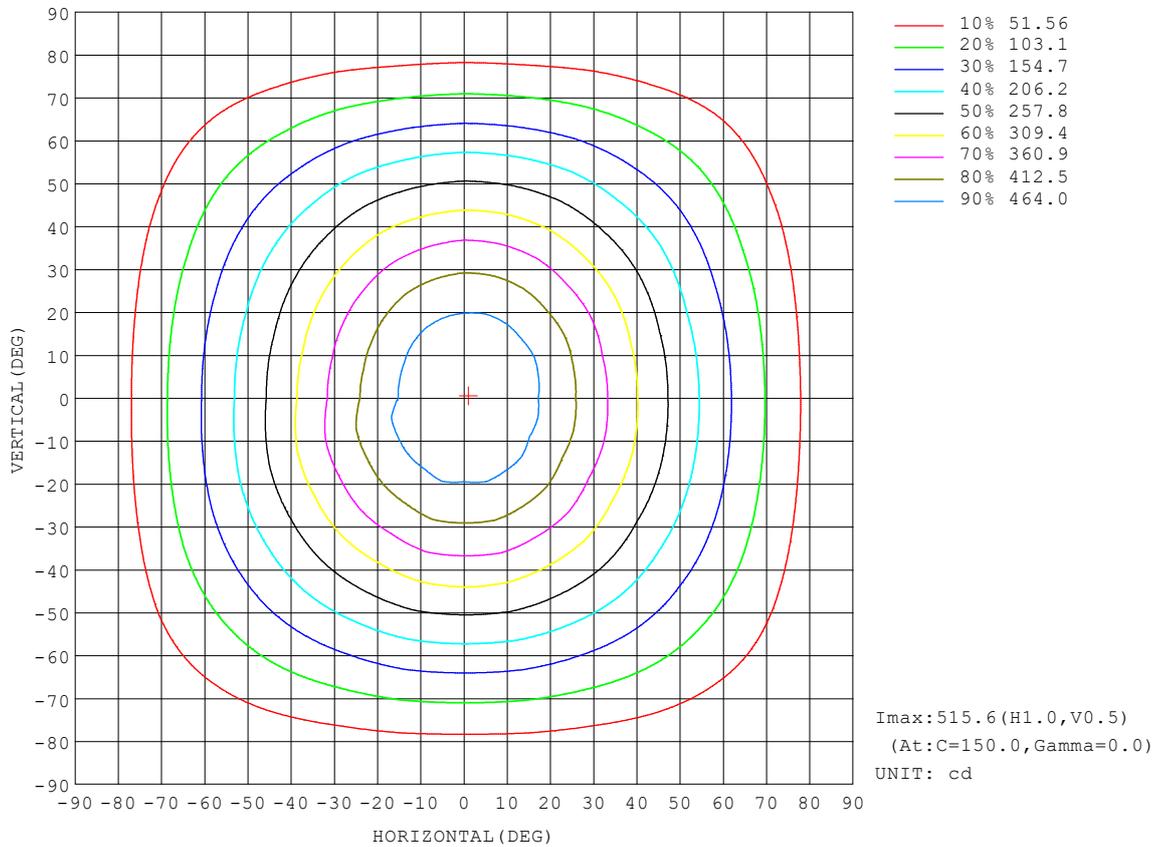
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	48	42	58	48	42	35
0.80	70	59	52	69	58	51	67	57	51	44
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	68	84	74	68	81	73	67	60
1.50	90	80	74	88	80	73	85	78	72	65
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	97	105	100	96	101	97	93	85
5.00	109	105	101	107	103	99	103	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

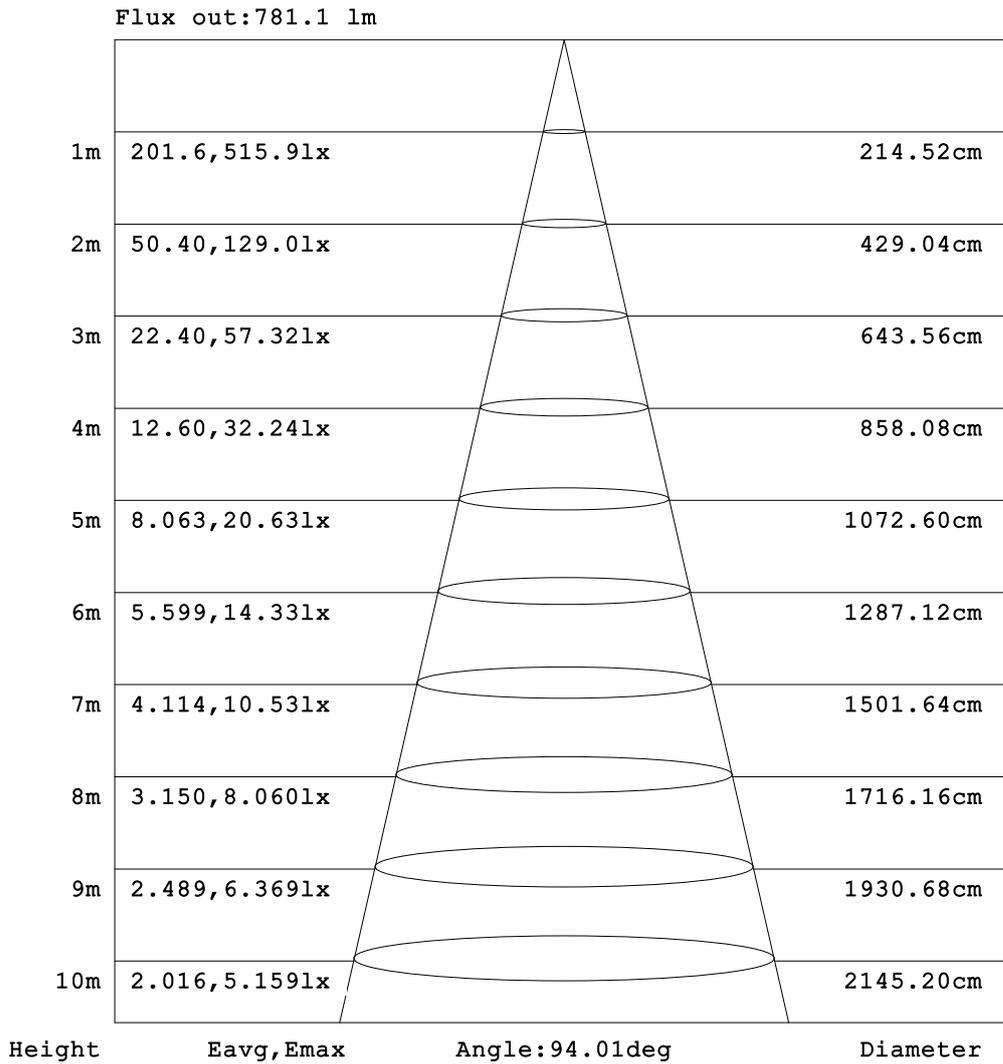


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: SENPU  
 Test Date: 2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity: 61%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:



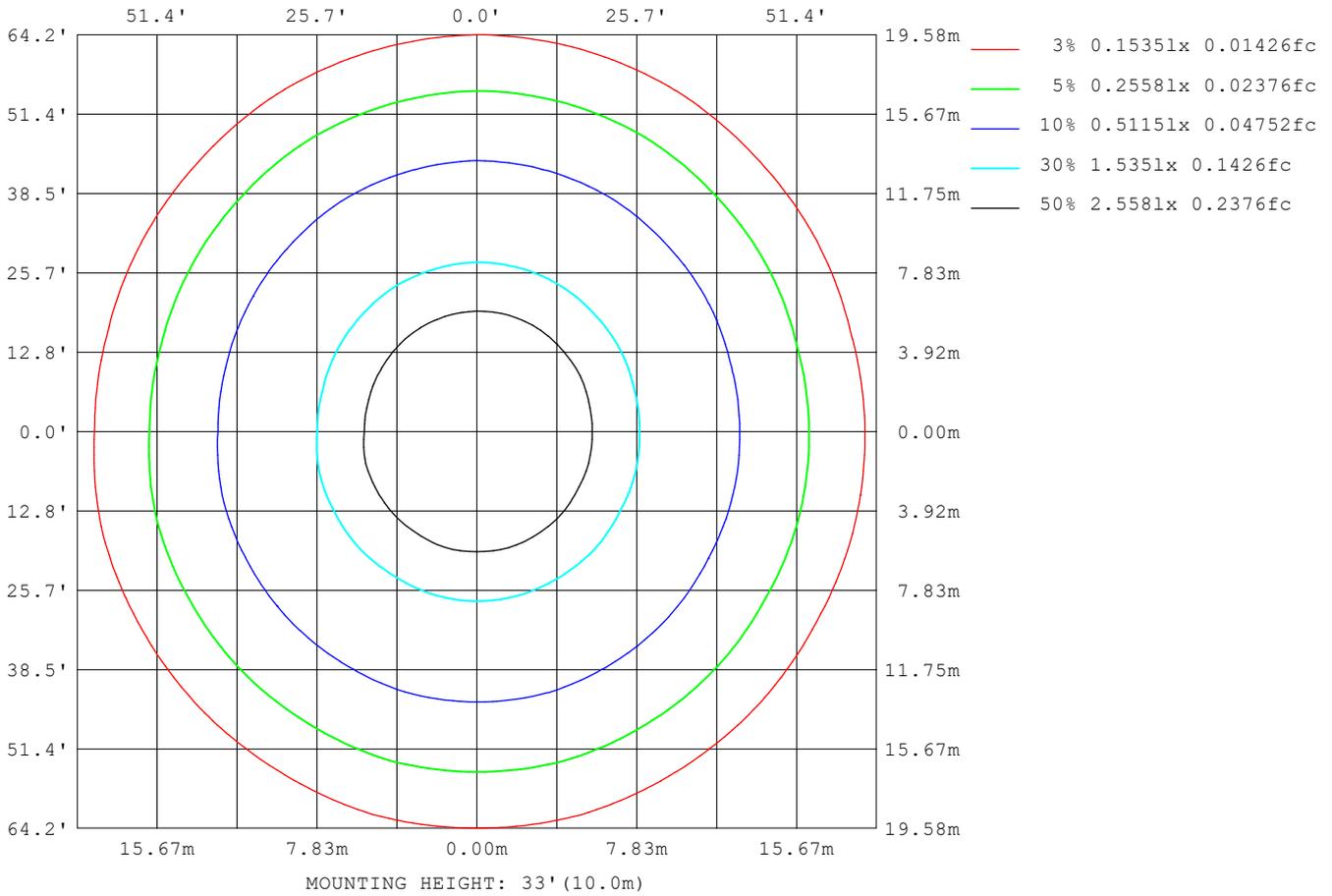
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

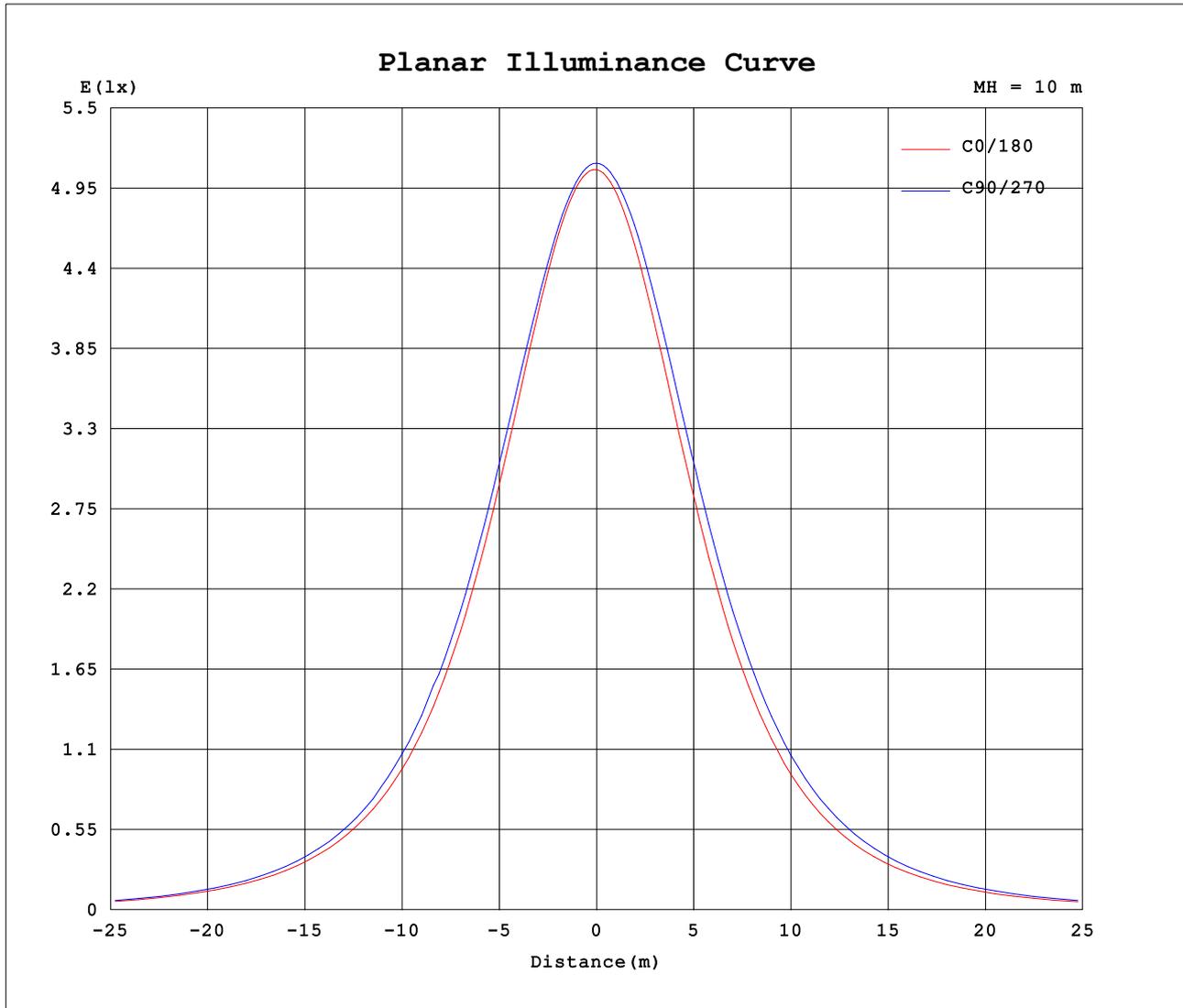
AvgL	cd/m2
L_0~180 (65) av	30816
L_0~180 (75) av	25543
L_0~180 (85) av	15086
L_90~270 (65) av	34919
L_90~270 (75) av	28596
L_90~270 (85) av	14844
L_45 (65) av	32635
L_45 (75) av	26962
L_45 (85) av	15018

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: SENPU  
Test Date: 2026-01-09

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity: 61%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	508	508	508	512	512	513	512	515	514	515	516	515	508	508	508	512	512	513	512
5	505	506	505	510	509	510	509	512	510	510	511	510	501	502	502	506	508	509	509
10	494	495	494	499	500	501	499	502	499	498	498	497	487	487	489	494	497	499	499
15	475	476	476	482	483	485	483	486	481	480	478	476	465	466	469	475	480	482	484
20	449	452	452	459	461	465	462	464	458	455	451	450	438	439	442	450	456	461	463
25	418	421	422	430	434	438	437	437	430	426	421	418	407	407	412	420	428	434	437
30	384	388	388	398	402	408	407	407	398	394	388	385	373	373	379	387	397	402	407
35	348	352	353	363	368	374	373	373	364	360	352	349	336	337	344	352	362	368	373
40	311	314	316	326	331	338	343	337	328	323	314	311	299	300	307	316	326	333	338
45	274	277	279	288	294	301	303	301	291	285	277	274	263	264	270	279	289	296	300
50	238	240	242	250	256	262	262	261	253	247	241	237	228	229	234	242	252	258	262
55	202	205	206	213	218	224	224	223	216	211	205	202	193	193	199	205	214	219	224
60	167	170	171	176	180	186	185	185	179	175	170	167	160	160	165	170	177	182	185
65	134	135	136	140	144	148	148	148	142	139	135	134	127	126	131	134	141	144	148
70	101	102	102	106	108	111	110	110	106	104	102	100	94.3	94.1	97.3	99.8	105	107	110
75	69.0	69.9	69.7	71.9	72.8	75.0	74.4	74.7	71.8	70.9	68.9	68.6	63.2	62.7	65.3	67.1	70.3	71.3	73.6
80	39.5	39.9	39.3	40.5	40.3	41.5	40.8	41.4	39.7	39.7	38.6	38.8	34.5	33.8	35.6	35.8	38.2	38.1	39.9
85	14.8	15.0	14.2	14.6	13.8	14.1	13.4	13.9	13.3	14.1	13.6	14.4	11.5	10.9	11.7	11.4	12.2	11.8	12.5
90	1.58	1.41	1.14	0.94	0.68	0.48	0.35	0.55	0.80	1.07	1.34	1.52	1.10	0.77	0.64	0.48	0.26	0.13	0.10
95	0.73	0.60	0.58	0.56	0.50	0.44	0.32	0.43	0.55	0.58	0.67	0.67	0.52	0.28	0.24	0.20	0.18	0.12	0.13
100	0.71	0.62	0.59	0.58	0.51	0.44	0.32	0.43	0.57	0.58	0.67	0.68	0.51	0.28	0.28	0.23	0.20	0.14	0.12
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.767A P:18.41W PF:1.000 Freq:0Hz Lamp Flux:1240.35x1 lm		
NAME: 68851	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026010901
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	515	514	515	516	515														
5	512	511	512	513	511														
10	503	502	501	501	499														
15	486	485	483	483	479														
20	465	463	459	457	452														
25	438	436	430	427	421														
30	407	404	397	393	386														
35	373	369	361	357	349														
40	337	333	324	319	312														
45	300	295	287	281	275														
50	261	257	249	244	238														
55	222	219	211	207	201														
60	184	181	175	171	166														
65	146	144	138	136	131														
70	109	108	103	102	98.1														
75	72.5	72.2	69.2	68.6	65.8														
80	38.9	39.5	37.8	37.8	36.1														
85	12.2	12.9	12.4	12.8	12.0														
90	0.13	0.19	0.42	0.54	0.69														
95	0.12	0.16	0.20	0.26	0.29														
100	0.14	0.15	0.25	0.28	0.29														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2026-01-09

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: