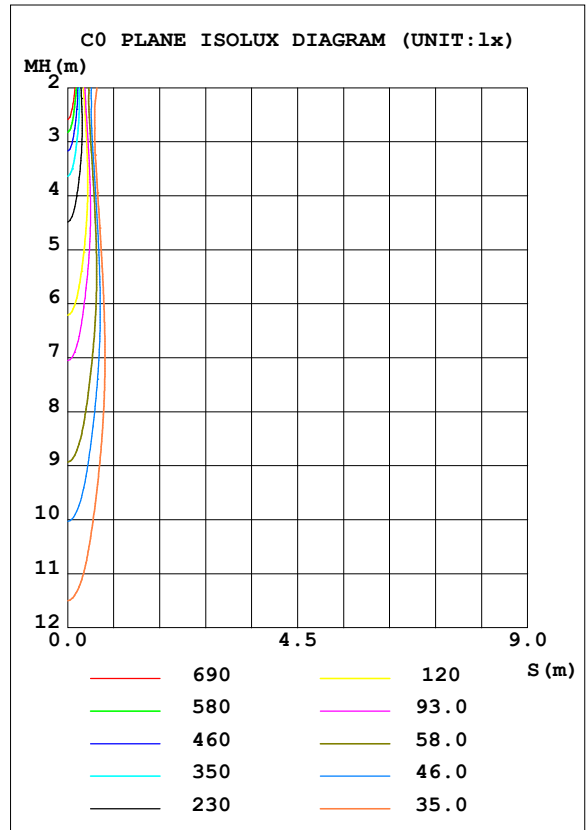
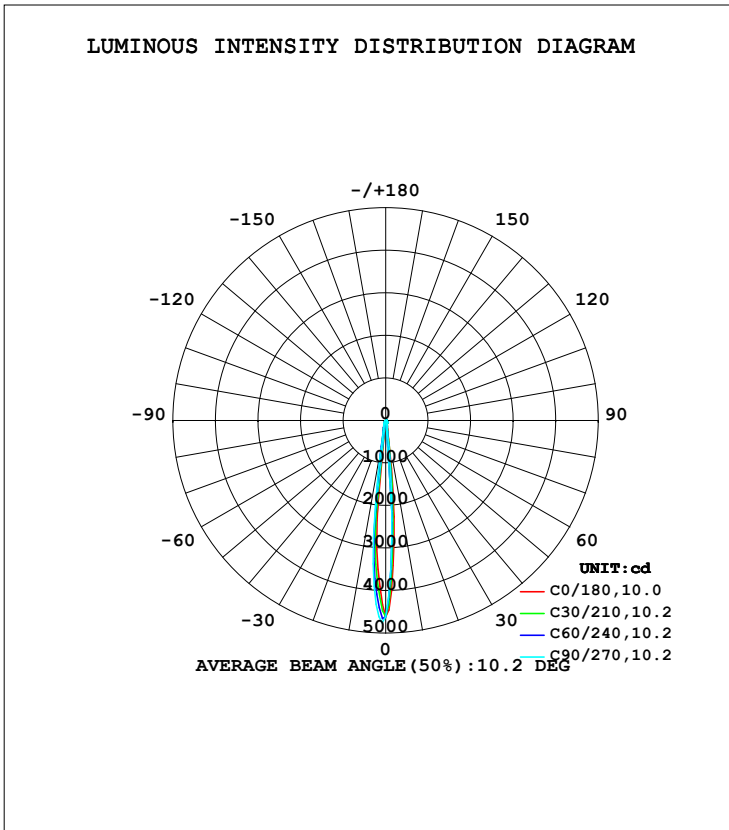


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.55 lm/W			
MODEL:PRO-5.5W-MR16-08-930		I _{max} (cd)	4828	S/MH (C0/180)	0.17
NOMINAL POWER (W)	5.5	LOR (%)	100.0	S/MH (C90/270)	0.20
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	314.95	η UP, DN (C0-180)	0.8, 40.9
NOMINAL FLUX (lm)	314.945	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 57.9
LAMPS INSIDE	1	η up (%)	1.2	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	12	η down (%)	98.8	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ADMIN
 Test Date: 2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 13.563m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

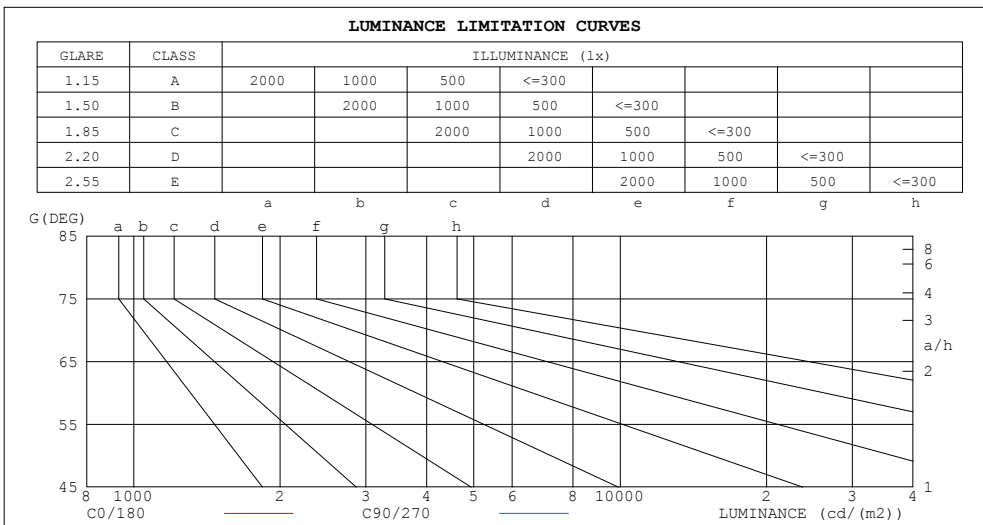
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	327.2	277.9	268.0	315.0	394.3	553.5	557.4	493.8	0- 10	154.0	154.0	48.9,48.9
20	110.1	100.2	105.1	117.3	137.0	145.2	139.5	124.5	10- 20	55.50	209.5	66.5,66.5
30	55.67	50.84	55.05	63.28	72.40	76.01	71.57	62.05	20- 30	39.92	249.4	79.2,79.2
40	28.81	26.26	29.07	33.58	40.18	42.28	40.33	32.75	30- 40	29.78	279.2	88.6,88.6
50	11.58	11.22	12.12	14.89	18.11	19.42	17.99	14.47	40- 50	18.15	297.3	94.4,94.4
60	4.767	4.708	4.859	5.848	6.749	7.538	6.864	5.816	50- 60	8.687	306.0	97.2,97.2
70	1.955	1.865	1.846	2.144	2.429	2.757	2.644	2.326	60- 70	3.774	309.8	98.4,98.4
80	0.4399	0.3333	0.2479	0.3213	0.4091	0.5724	0.6018	0.5177	70- 80	1.311	311.1	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	0.0990	311.2	98.8,98.8
100	0	0	0	0	0	0	0	0	90-100	0.0000	311.2	98.8,98.8
110	0	0	0	0	0	0	0	0	100-110	0.0000	311.2	98.8,98.8
120	0.0474	0.1050	0.1146	0.0669	0	0	0	0	110-120	0.0089	311.2	98.8,98.8
130	0.2002	0.2717	0.2388	0.1789	0	0	0.0000	0.0289	120-130	0.0738	311.3	98.8,98.8
140	0.6571	0.7824	0.7919	0.6520	0.2196	0.1574	0.1427	0.2448	130-140	0.1841	311.5	98.9,98.9
150	2.923	3.171	3.195	3.054	0.9360	0.7396	0.7141	0.8680	140-150	0.6786	312.2	99.1,99.1
160	3.927	4.011	4.005	3.953	3.328	3.190	3.144	3.316	150-160	1.288	313.4	99.5,99.5
170	4.309	4.368	4.366	4.356	4.023	3.996	4.004	4.099	160-170	1.116	314.6	99.9,99.9
180	3.222	3.219	3.346	3.507	3.213	3.238	3.365	3.507	170-180	0.3889	314.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6	0
80	25	14
75	42	36
70	57	54
65	74	73
60	96	97
55	129	133
50	181	189
45	264	272

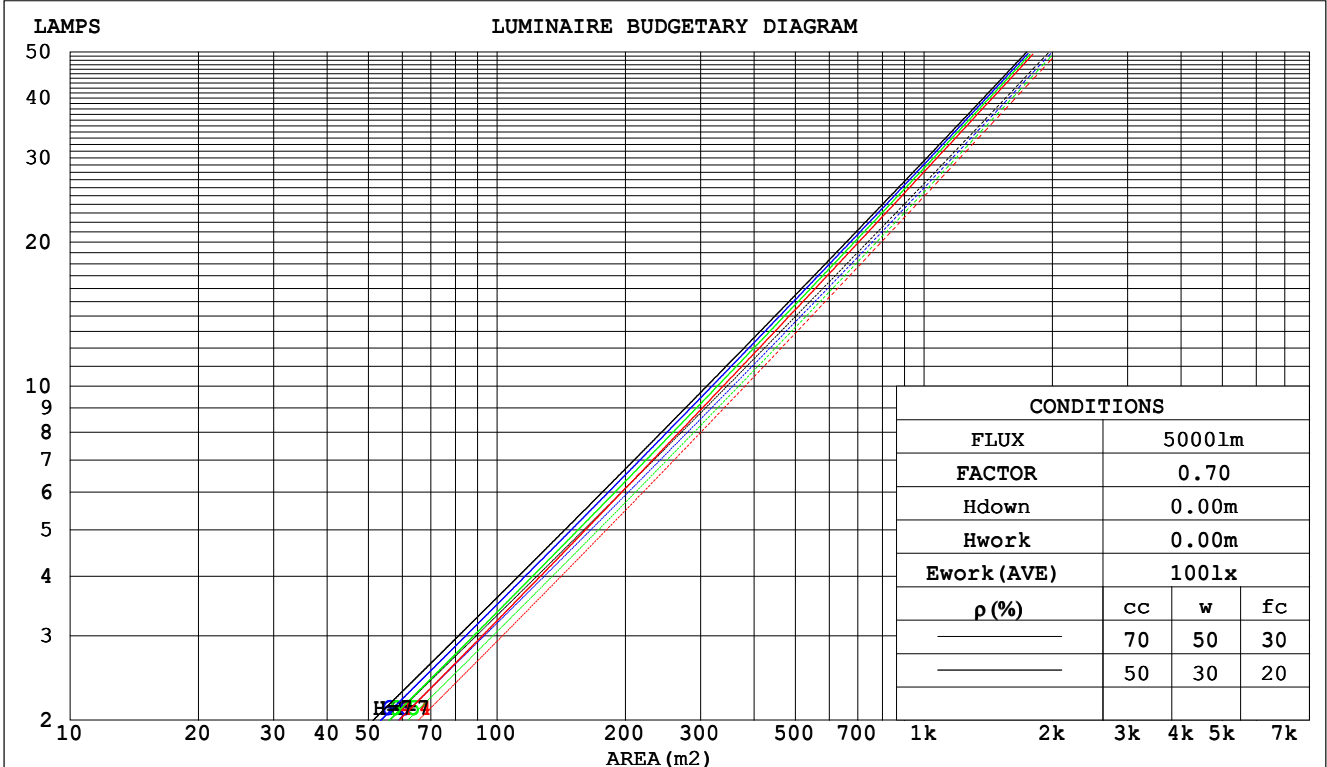
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	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															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.06	1.03	.90	1.04	1.01	.99	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	1.01	.97	.93	.99	.96	.93	.97	.94	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.83
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.82	.86	.84	.82	.80
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.75
8.0	.83	.79	.76	.83	.78	.76	.82	.78	.75	.81	.77	.75	.80	.77	.75	.73
9.0	.81	.77	.74	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.79	.75	.72	.78	.74	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	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	.150	.085	.027	.143	.081	.026	.130	.074	.024	.118	.068	.022	.107	.062	.020	
2.0	.141	.077	.024	.135	.074	.023	.124	.069	.021	.114	.064	.020	.105	.059	.019	
3.0	.132	.070	.021	.127	.068	.020	.117	.064	.019	.109	.060	.018	.101	.056	.017	
4.0	.123	.064	.019	.119	.062	.018	.111	.059	.018	.104	.056	.017	.097	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.015	.093	.050	.015	
6.0	.108	.054	.016	.105	.053	.015	.099	.051	.015	.094	.049	.014	.089	.047	.014	
7.0	.102	.050	.014	.099	.050	.014	.094	.048	.014	.089	.046	.013	.085	.044	.013	
8.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.085	.043	.012	.081	.042	.012	
9.0	.091	.044	.012	.089	.044	.012	.085	.042	.012	.081	.041	.012	.078	.040	.011	
10.0	.087	.042	.012	.085	.041	.011	.081	.040	.011	.078	.039	.011	.075	.038	.011	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.200	.200	.200	.171	.171	.171	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.178	.167	.156	.153	.143	.134	.104	.098	.093	.060	.057	.054	.019	.018	.017	
2.0	.161	.142	.125	.138	.122	.108	.095	.084	.076	.055	.049	.044	.018	.016	.014	
3.0	.147	.123	.103	.126	.106	.089	.087	.073	.063	.050	.043	.037	.016	.014	.012	
4.0	.135	.107	.086	.116	.093	.075	.080	.065	.053	.046	.038	.031	.015	.012	.010	
5.0	.125	.095	.074	.107	.082	.064	.074	.058	.045	.043	.034	.027	.014	.011	.009	
6.0	.116	.085	.064	.100	.074	.055	.069	.052	.039	.040	.030	.023	.013	.010	.008	
7.0	.108	.077	.056	.093	.067	.049	.064	.047	.034	.037	.028	.020	.012	.009	.007	
8.0	.102	.071	.049	.087	.061	.043	.060	.043	.031	.035	.025	.018	.011	.008	.006	
9.0	.096	.065	.044	.082	.056	.039	.057	.040	.027	.033	.023	.016	.011	.008	.005	
10.0	.090	.060	.040	.078	.052	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm										
NAME: LED LAMP					TYPE:Dimmable LED Lamp			WEIGHT:		
SPEC.:5.5W 3000K 8°LENS					DIM.:			SERIAL No.:1		
MFR.: Lumien Enterprise,Inc.					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	0.8	1.5	1.0	1.7	1.8	0.8	1.5	1.0	1.7	1.9
3H	1.0	1.6	1.2	1.8	2.0	1.0	1.6	1.2	1.8	2.0
4H	1.0	1.6	1.3	1.9	2.1	1.0	1.6	1.3	1.8	2.1
6H	1.0	1.6	1.3	1.8	2.1	0.9	1.5	1.2	1.8	2.0
8H	0.9	1.5	1.2	1.8	2.0	0.9	1.5	1.2	1.7	2.0
12H	0.9	1.4	1.2	1.7	2.0	0.8	1.4	1.2	1.7	2.0
4H 2H	0.8	1.4	1.1	1.7	1.9	0.8	1.5	1.1	1.7	1.9
3H	1.1	1.6	1.4	1.9	2.2	1.1	1.6	1.4	1.9	2.2
4H	1.1	1.6	1.5	1.9	2.3	1.1	1.6	1.4	1.9	2.2
6H	1.1	1.5	1.5	1.9	2.2	1.0	1.5	1.4	1.8	2.2
8H	1.0	1.5	1.4	1.8	2.2	1.0	1.4	1.4	1.8	2.2
12H	1.0	1.4	1.4	1.8	2.2	0.9	1.3	1.3	1.7	2.1
8H 4H	1.0	1.4	1.4	1.8	2.2	1.0	1.4	1.4	1.8	2.2
6H	1.0	1.3	1.4	1.8	2.2	0.9	1.3	1.4	1.7	2.1
8H	0.9	1.3	1.4	1.7	2.2	0.9	1.2	1.4	1.6	2.1
12H	0.9	1.2	1.4	1.6	2.1	0.8	1.1	1.3	1.6	2.0
12H 4H	1.0	1.4	1.4	1.7	2.2	0.9	1.3	1.4	1.7	2.1
6H	0.9	1.2	1.4	1.7	2.1	0.9	1.2	1.4	1.6	2.1
8H	0.9	1.2	1.4	1.6	2.1	0.8	1.1	1.3	1.6	2.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.4					+ 1.6 / - 2.4				
1.5H	+ 2.3 / - 1.9					+ 2.3 / - 1.9				
2.0H	+ 3.1 / - 2.4					+ 3.3 / - 2.6				

CIE Pub.117 Corrected 314.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.0)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

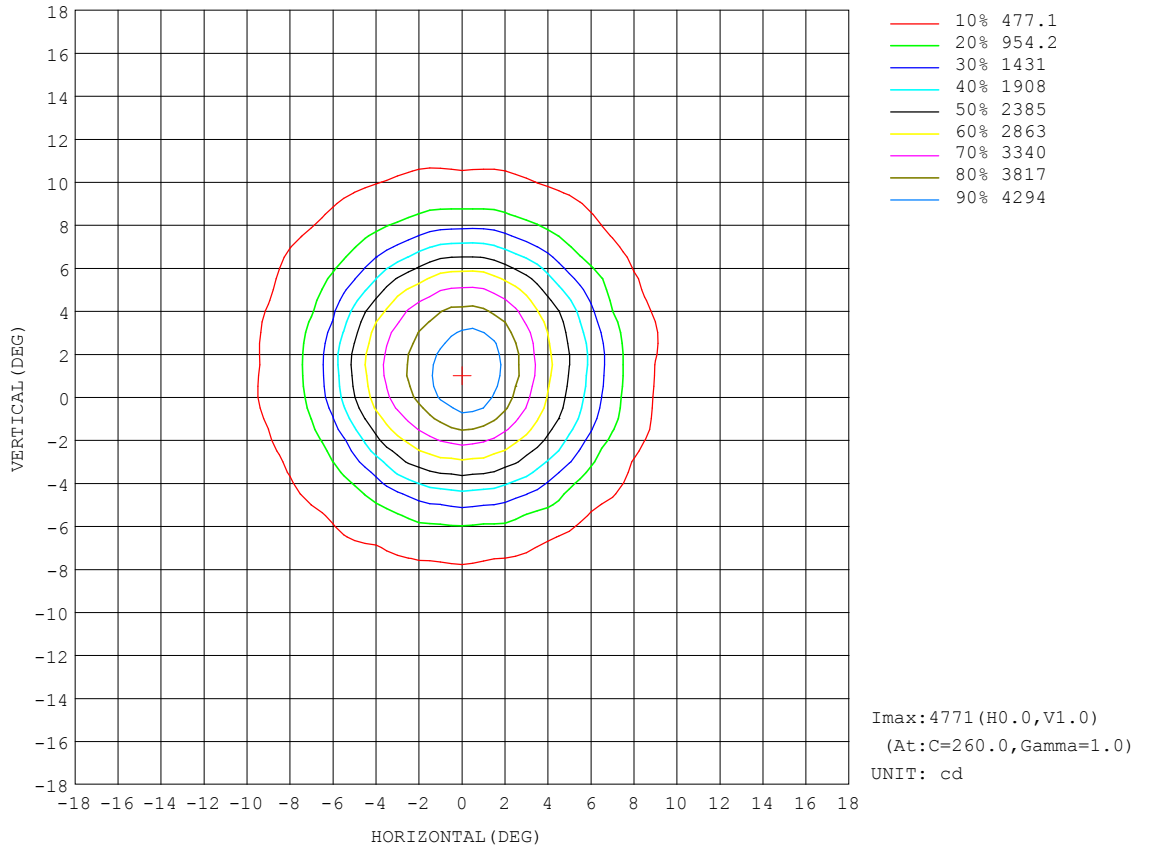
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	78	74	84	77	73	83	77	73	69
0.80	92	86	82	91	85	82	90	85	81	77
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	97	94	89
2.00	107	103	99	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

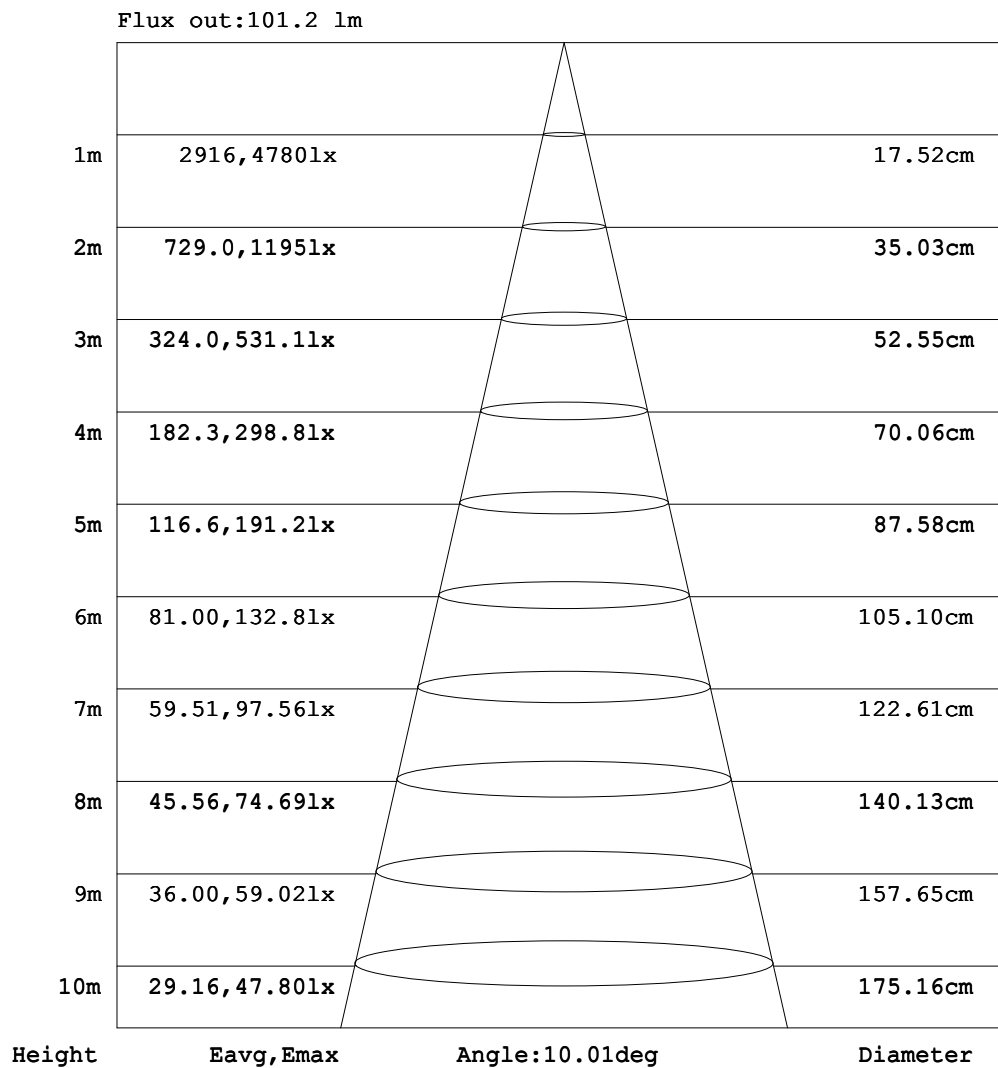


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

AAI Figure

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise, Inc.	SUR.:	Shielding Angle:



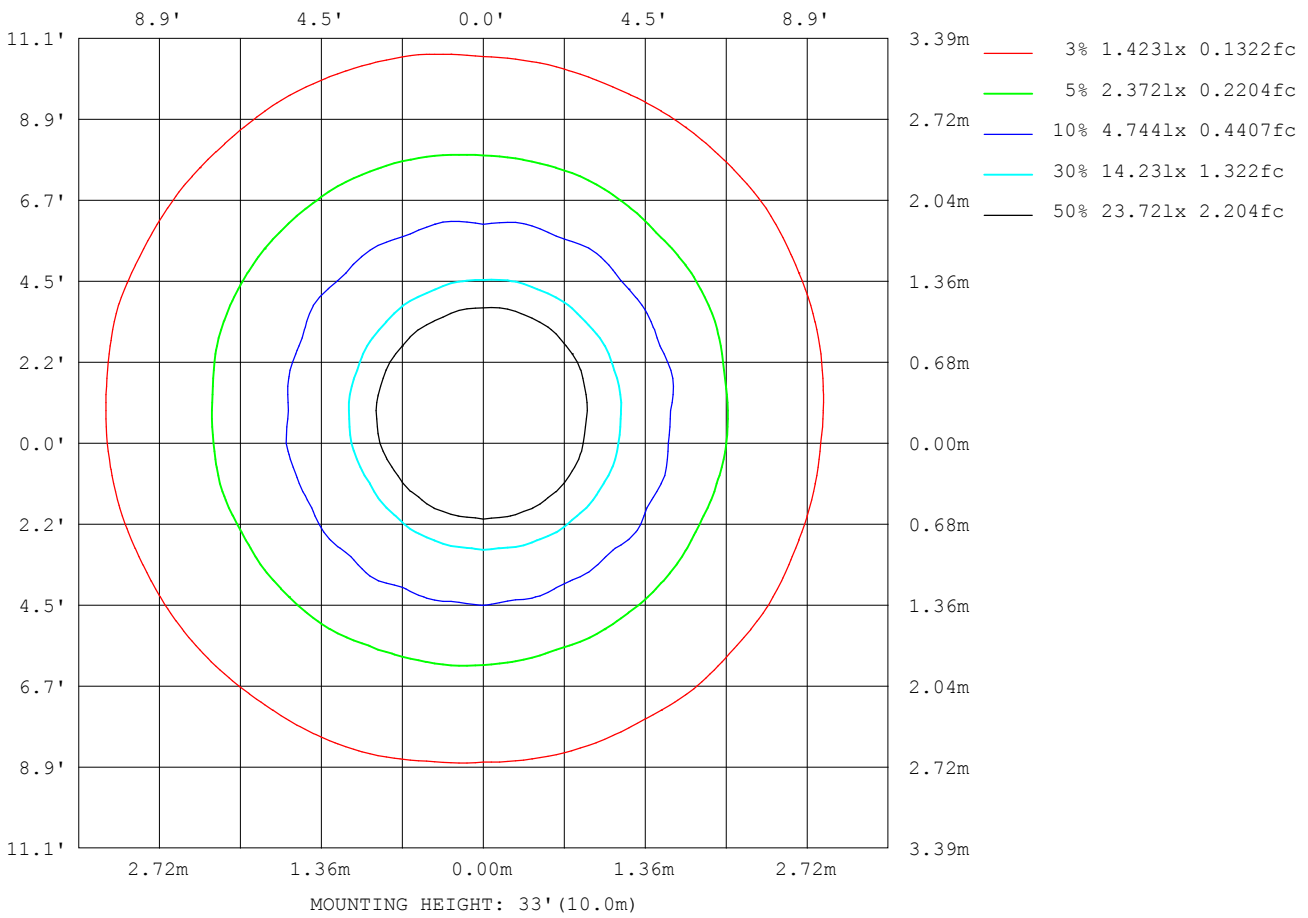
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

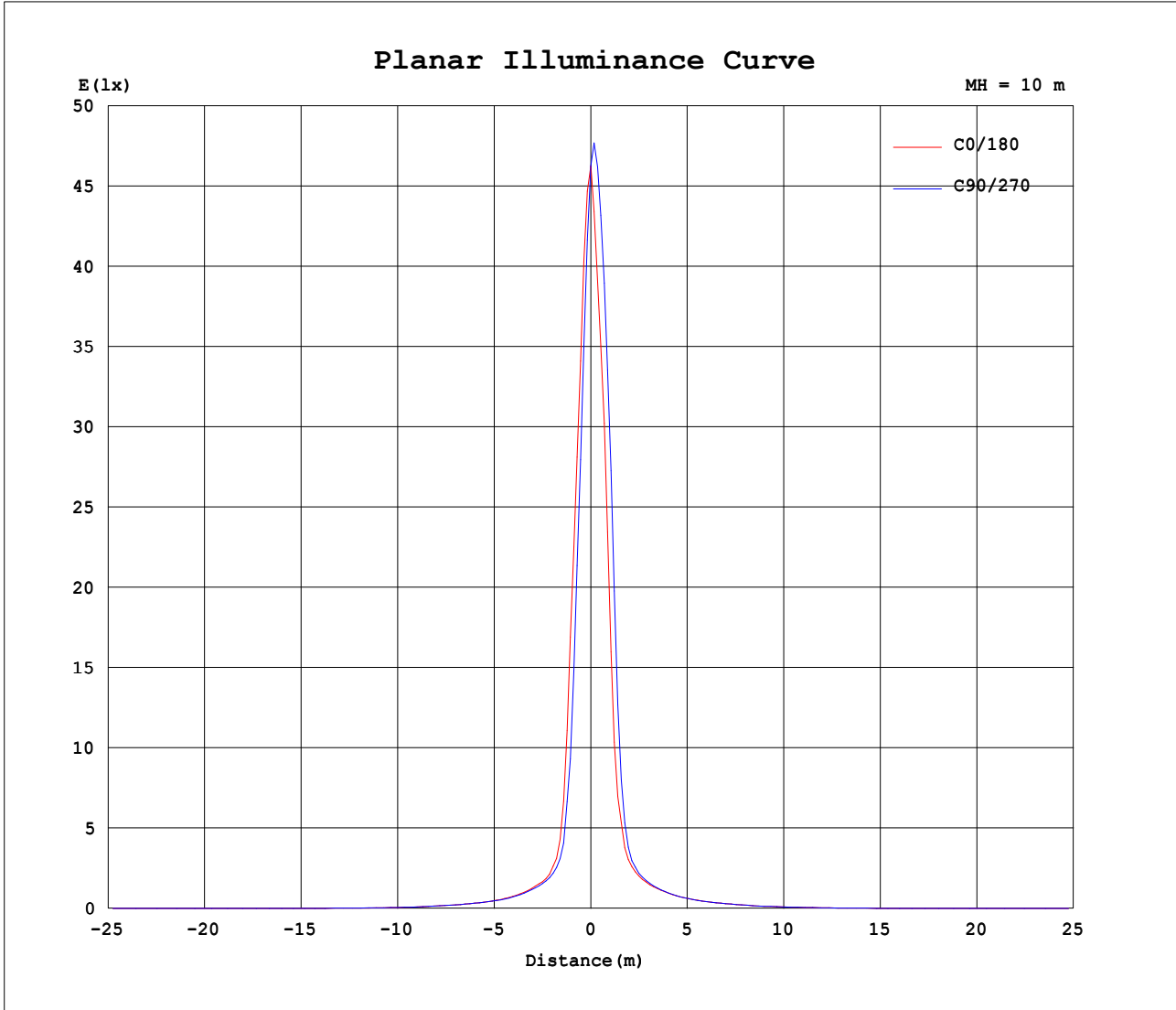
AvgL	cd/m2
L_0~180 (65) av	86
L_0~180 (75) av	45
L_0~180 (85) av	3
L_90~270 (65) av	87
L_90~270 (75) av	46
L_90~270 (85) av	3
L_45 (65) av	89
L_45 (75) av	47
L_45 (85) av	2

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ADMIN
 Test Date: 2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 13.563m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise, Inc.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612
5	2271	2200	2058	1979	1830	1771	1633	1586	1510	1497	1470	1545	1565	1700	1710	1858	1950	2172	2366
10	327	312	290	286	286	269	273	263	274	268	280	281	301	309	320	345	359	379	394
15	170	167	165	165	161	161	158	158	160	157	160	166	170	175	180	185	191	197	202
20	110	107	104	102	100	100	99.9	102	103	105	107	110	112	116	119	123	127	133	137
25	75.4	73.8	71.6	70.3	68.9	68.8	69.0	69.7	72.0	73.3	74.8	77.5	79.4	84.1	84.8	88.0	91.1	94.8	97.1
30	55.7	54.6	52.9	51.8	50.9	50.8	51.1	52.5	54.1	55.0	56.7	58.5	59.9	63.0	63.5	65.8	68.1	70.8	72.4
35	41.3	40.3	38.9	38.0	37.3	37.3	37.6	38.8	40.3	41.2	42.4	43.8	44.8	46.7	47.5	49.3	51.3	53.4	54.7
40	28.8	28.0	27.1	26.7	26.3	26.2	26.3	27.0	28.3	29.1	30.1	31.1	31.9	33.2	34.0	35.5	37.0	39.1	40.2
45	18.6	18.2	17.8	17.6	17.4	17.5	17.5	17.7	18.3	19.2	19.9	20.7	21.4	22.3	23.2	24.2	25.3	26.9	28.0
50	11.6	11.4	11.2	11.3	11.2	11.2	11.2	11.4	11.9	12.1	12.5	13.1	13.6	14.7	15.1	15.8	16.5	17.5	18.1
55	7.38	7.28	7.20	7.23	7.24	7.21	7.27	7.36	7.64	7.62	7.89	8.22	8.59	9.09	9.53	9.95	10.2	10.9	11.1
60	4.77	4.71	4.68	4.68	4.70	4.71	4.69	4.75	4.89	4.86	4.99	5.17	5.39	5.79	5.90	6.16	6.34	6.64	6.75
65	3.12	3.05	3.04	3.03	3.05	3.03	3.07	3.01	3.10	3.06	3.16	3.25	3.35	3.50	3.66	3.78	3.90	4.05	4.12
70	1.96	1.89	1.89	1.86	1.89	1.84	1.88	1.80	1.89	1.85	1.92	1.93	2.01	2.10	2.19	2.23	2.33	2.39	2.43
75	1.09	1.04	1.04	1.00	1.02	0.96	1.00	0.93	0.97	0.93	0.98	0.97	1.02	1.03	1.13	1.12	1.21	1.21	1.24
80	0.44	0.36	0.39	0.33	0.36	0.30	0.33	0.26	0.31	0.25	0.31	0.27	0.33	0.29	0.36	0.31	0.41	0.40	0.41
85	0.05	0.00	0.02	0.00	0.01	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
90	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
95	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
100	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
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	0.01	0.00	0.03	0.00	0.04	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.05	0.11	0.09	0.11	0.10	0.11	0.10	0.12	0.08	0.11	0.08	0.11	0.06	0.10	0.04	0.08	0.02	0.06	0.00
125	0.15	0.22	0.19	0.23	0.16	0.21	0.16	0.22	0.15	0.19	0.14	0.16	0.12	0.15	0.13	0.13	0.12	0.12	0.00
130	0.20	0.27	0.24	0.28	0.27	0.28	0.26	0.27	0.21	0.24	0.18	0.21	0.20	0.19	0.17	0.17	0.15	0.16	0.00
135	0.37	0.43	0.40	0.46	0.45	0.46	0.43	0.46	0.43	0.43	0.35	0.39	0.32	0.36	0.30	0.32	0.27	0.29	0.08
140	0.66	0.73	0.72	0.78	0.75	0.81	0.77	0.82	0.77	0.79	0.73	0.76	0.68	0.69	0.61	0.62	0.57	0.57	0.22
145	1.52	1.61	1.66	1.75	1.78	1.84	1.86	1.90	1.92	1.88	1.85	1.83	1.77	1.74	1.65	1.59	1.50	1.45	0.41
150	2.92	3.01	3.05	3.13	3.15	3.19	3.20	3.23	3.24	3.20	3.17	3.17	3.09	3.10	3.01	2.97	2.88	2.84	0.94
155	3.64	3.71	3.71	3.76	3.76	3.75	3.75	3.77	3.79	3.75	3.70	3.72	3.66	3.68	3.65	3.61	3.55	3.56	2.24
160	3.93	3.98	3.98	4.02	3.99	4.03	4.00	4.02	4.07	4.00	3.98	3.99	3.92	3.97	3.93	3.91	3.87	3.88	3.33
165	4.15	4.19	4.19	4.23	4.24	4.22	4.24	4.23	4.29	4.21	4.22	4.22	4.15	4.21	4.14	4.14	4.13	4.14	3.78
170	4.31	4.34	4.33	4.31	4.37	4.36	4.36	4.38	4.43	4.37	4.38	4.38	4.33	4.37	4.34	4.34	4.34	4.33	4.02
175	4.15	4.09	4.08	4.03	4.03	3.98	4.00	3.96	4.04	3.96	4.01	3.98	4.04	4.08	4.15	4.14	4.21	4.22	3.78
180	3.22	3.20	3.20	3.21	3.21	3.23	3.27	3.32	3.40	3.35	3.38	3.45	3.48	3.50	3.51	3.51	3.56	3.57	3.21

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-04-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.11V I:0.6433A P:5.202W PF:0.6678 Freq:59.99Hz Lamp Flux:314.945x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 3000K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise, Inc.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612	4612		
5	2517	2743	2868	3056	3115	3259	3274	3440	3382	3440	3357	3273	3085	2933	2701	2575	2389		
10	412	452	482	566	541	625	574	652	557	637	561	615	512	475	416	387	350		
15	207	215	218	223	224	228	225	224	217	215	209	206	202	200	192	185	176		
20	140	144	144	145	145	147	145	146	139	137	132	128	126	123	119	117	114		
25	98.9	101	101	102	101	102	99.8	101	97.3	95.3	91.6	88.9	84.7	84.7	81.8	80.6	77.9		
30	73.7	75.2	75.5	76.2	75.8	75.9	74.9	75.0	71.6	70.2	67.2	64.8	62.6	61.5	59.7	58.7	57.3		
35	55.8	57.1	57.5	58.0	57.7	58.0	56.7	56.7	54.7	53.5	50.7	48.6	46.8	45.6	44.2	43.6	42.6		
40	41.1	42.1	42.0	42.4	42.2	42.6	41.7	42.3	40.3	39.0	36.7	34.7	33.1	32.4	31.3	30.8	29.9		
45	28.7	29.4	29.3	29.5	29.5	29.8	29.3	29.7	28.1	27.1	25.4	24.0	23.0	22.0	20.9	20.3	19.4		
50	18.5	19.2	19.2	19.4	19.4	19.6	19.2	19.0	18.0	17.4	16.5	15.6	14.7	14.2	13.2	12.7	12.0		
55	11.4	11.9	12.0	12.2	12.3	12.3	11.9	11.7	11.1	10.8	10.4	10.0	9.46	8.93	8.39	8.02	7.65		
60	6.97	7.25	7.39	7.52	7.55	7.50	7.19	7.19	6.86	6.74	6.53	6.24	5.92	5.71	5.38	5.13	4.94		
65	4.25	4.41	4.50	4.61	4.65	4.59	4.49	4.47	4.28	4.22	4.12	4.02	3.80	3.63	3.46	3.30	3.21		
70	2.54	2.60	2.69	2.73	2.78	2.75	2.72	2.70	2.64	2.59	2.55	2.43	2.40	2.25	2.16	2.07	2.02		
75	1.33	1.33	1.43	1.44	1.49	1.47	1.49	1.47	1.46	1.42	1.44	1.34	1.35	1.24	1.22	1.15	1.13		
80	0.48	0.46	0.55	0.54	0.60	0.56	0.60	0.58	0.60	0.58	0.61	0.55	0.55	0.49	0.51	0.43	0.44		
85	0.00	0.00	0.03	0.00	0.06	0.00	0.06	0.00	0.06	0.01	0.06	0.01	0.05	0.00	0.04	0.00	0.01		
90	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		
95	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		
100	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		
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		
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		
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		
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		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.04	0.00	0.06	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	0.02	0.01	0.05	0.01	0.05	0.01		
135	0.00	0.06	0.00	0.05	0.00	0.06	0.01	0.07	0.01	0.08	0.04	0.10	0.08	0.13	0.11	0.15	0.12		
140	0.14	0.19	0.13	0.18	0.13	0.18	0.14	0.20	0.14	0.21	0.17	0.25	0.21	0.28	0.25	0.31	0.28		
145	0.34	0.38	0.31	0.36	0.30	0.36	0.31	0.39	0.33	0.38	0.38	0.43	0.43	0.47	0.44	0.52	0.50		
150	0.84	0.83	0.76	0.77	0.70	0.74	0.72	0.75	0.71	0.77	0.75	0.82	0.83	0.90	0.91	1.00	1.02		
155	2.15	2.10	2.02	1.98	1.92	1.89	1.85	1.90	1.85	1.89	1.91	1.95	2.00	2.10	2.13	2.24	2.31		
160	3.27	3.27	3.22	3.22	3.16	3.19	3.15	3.22	3.14	3.20	3.18	3.27	3.26	3.37	3.35	3.45	3.48		
165	3.74	3.76	3.72	3.73	3.71	3.74	3.72	3.81	3.71	3.78	3.78	3.81	3.81	3.87	3.84	3.92	3.91		
170	4.01	4.02	3.99	4.02	3.97	4.03	4.00	4.10	4.00	4.03	4.03	4.05	4.10	4.09	4.09	4.10	4.12		
175	3.85	3.85	3.92	3.91	3.97	3.96	4.02	4.07	4.03	4.04	4.00	4.05	4.09	4.06	4.06	4.04	4.06		
180	3.21	3.20	3.21	3.23	3.25	3.29	3.32	3.40	3.37	3.40	3.43	3.47	3.50	3.51	3.53	3.55	3.58		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:13.563m [K=1.0000]
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