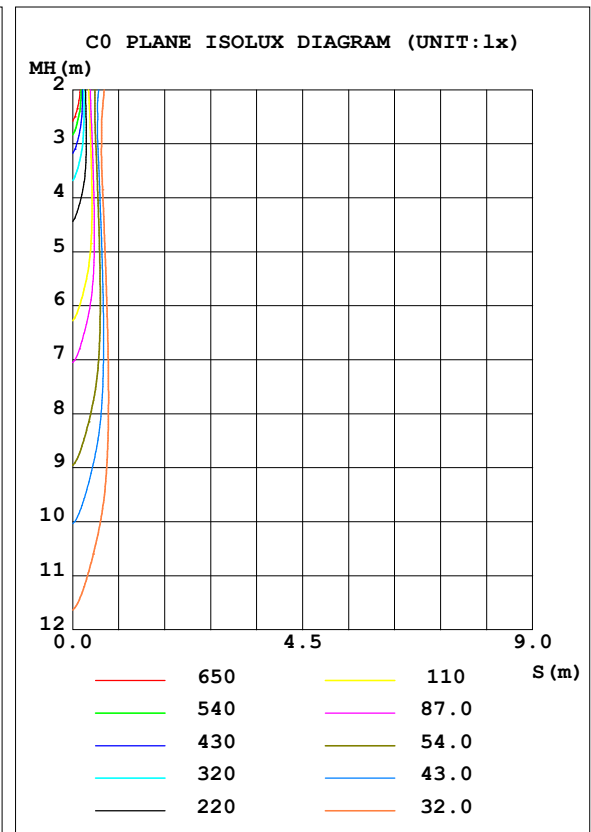
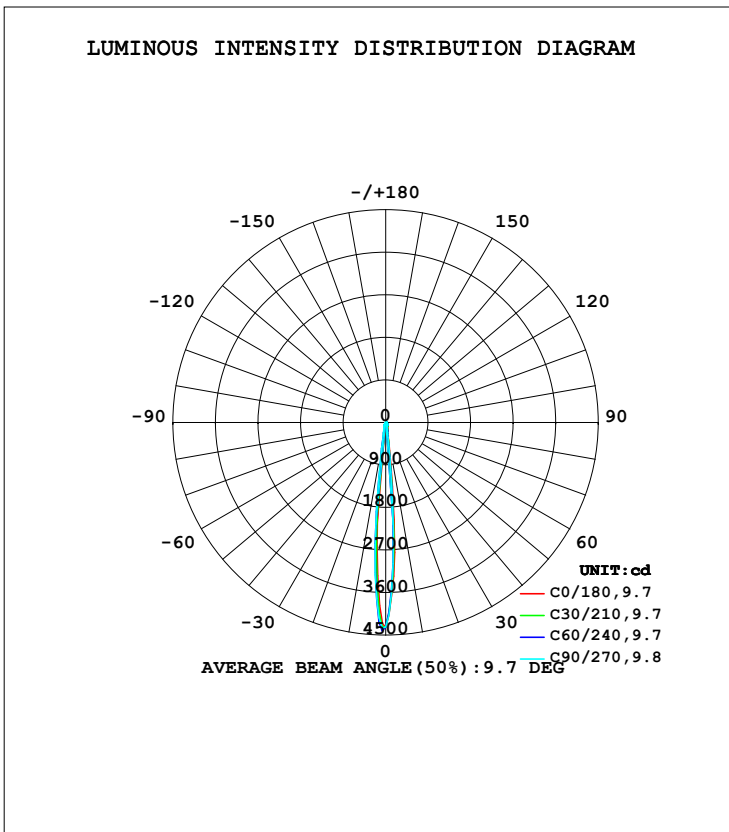


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.81 lm/W			
MODEL:PRO-5.5W-MR16-08-927		I _{max} (cd)	4408	S/MH (C0/180)	0.16
NOMINAL POWER (W)	5.5	LOR (%)	100.0	S/MH (C90/270)	0.18
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	269.60	η UP, DN (C0-180)	0.7, 45.3
NOMINAL FLUX (lm)	269.603	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 53.6
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	12	η down (%)	98.9	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:

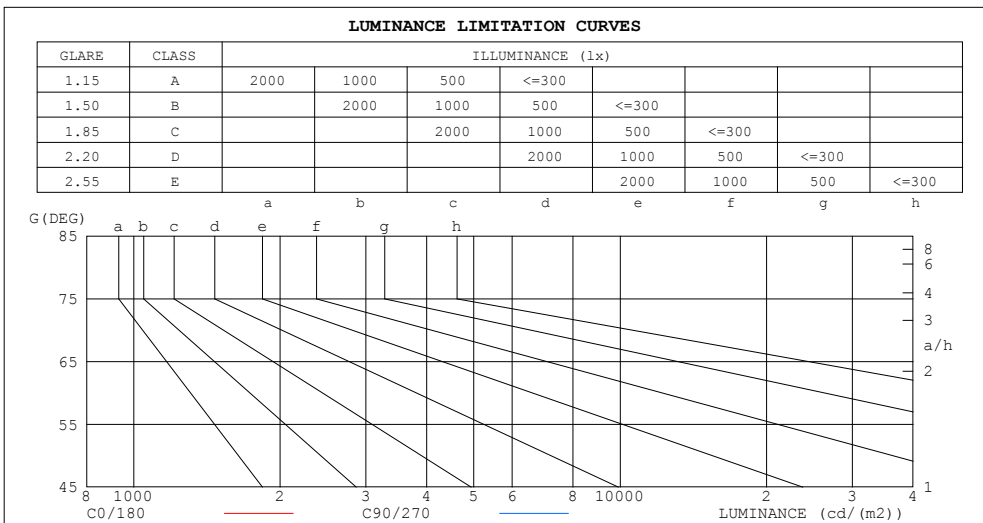
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	336.5	290.4	258.2	258.2	270.2	328.1	377.7	392.7	0- 10	133.3	133.3	49.4, 49.4
20	119.6	105.0	98.47	92.68	94.85	101.6	115.9	121.5	10- 20	46.65	179.9	66.7, 66.7
30	63.98	56.38	50.76	45.69	47.42	50.29	59.08	63.10	20- 30	34.57	214.5	79.6, 79.6
40	35.16	29.80	26.22	22.79	24.27	26.40	32.01	34.18	30- 40	25.38	239.9	89, 89
50	15.35	12.87	10.57	9.568	9.849	11.54	13.96	15.30	40- 50	15.12	255.0	94.6, 94.6
60	5.773	5.093	4.299	4.000	4.189	4.809	5.390	5.932	50- 60	7.185	262.2	97.2, 97.2
70	2.150	1.914	1.674	1.640	1.681	1.943	2.119	2.218	60- 70	3.201	265.4	98.4, 98.4
80	0.3641	0.2874	0.2587	0.2874	0.2863	0.3782	0.4318	0.3870	70- 80	1.102	266.5	98.8, 98.8
90	0	0	0	0	0	0	0	0	80- 90	0.0659	266.5	98.9, 98.9
100	0	0	0	0	0	0	0	0	90-100	0	266.5	98.9, 98.9
110	0	0	0	0	0	0	0	0	100-110	0	266.5	98.9, 98.9
120	0.0096	0.0145	0.0768	0.0573	0	0	0	0	110-120	0.0031	266.5	98.9, 98.9
130	0.0191	0.0766	0.1343	0.1626	0.0003	0	0	0	120-130	0.0366	266.6	98.9, 98.9
140	0.3437	0.4544	0.5466	0.5923	0.2489	0.1770	0.1148	0.1050	130-140	0.1200	266.7	98.9, 98.9
150	2.327	2.496	2.608	2.600	0.8987	0.7558	0.6322	0.6408	140-150	0.5290	267.2	99.1, 99.1
160	3.219	3.290	3.363	3.359	3.000	2.893	2.768	2.762	150-160	1.098	268.3	99.5, 99.5
170	3.669	3.678	3.679	3.675	3.506	3.467	3.401	3.397	160-170	0.9451	269.3	99.9, 99.9
180	2.771	2.760	2.798	2.863	2.761	2.769	2.817	2.863	170-180	0.3296	269.6	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: 2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	21	15
75	43	33
70	63	49
65	85	66
60	116	86
55	164	116
50	239	164
45	341	241

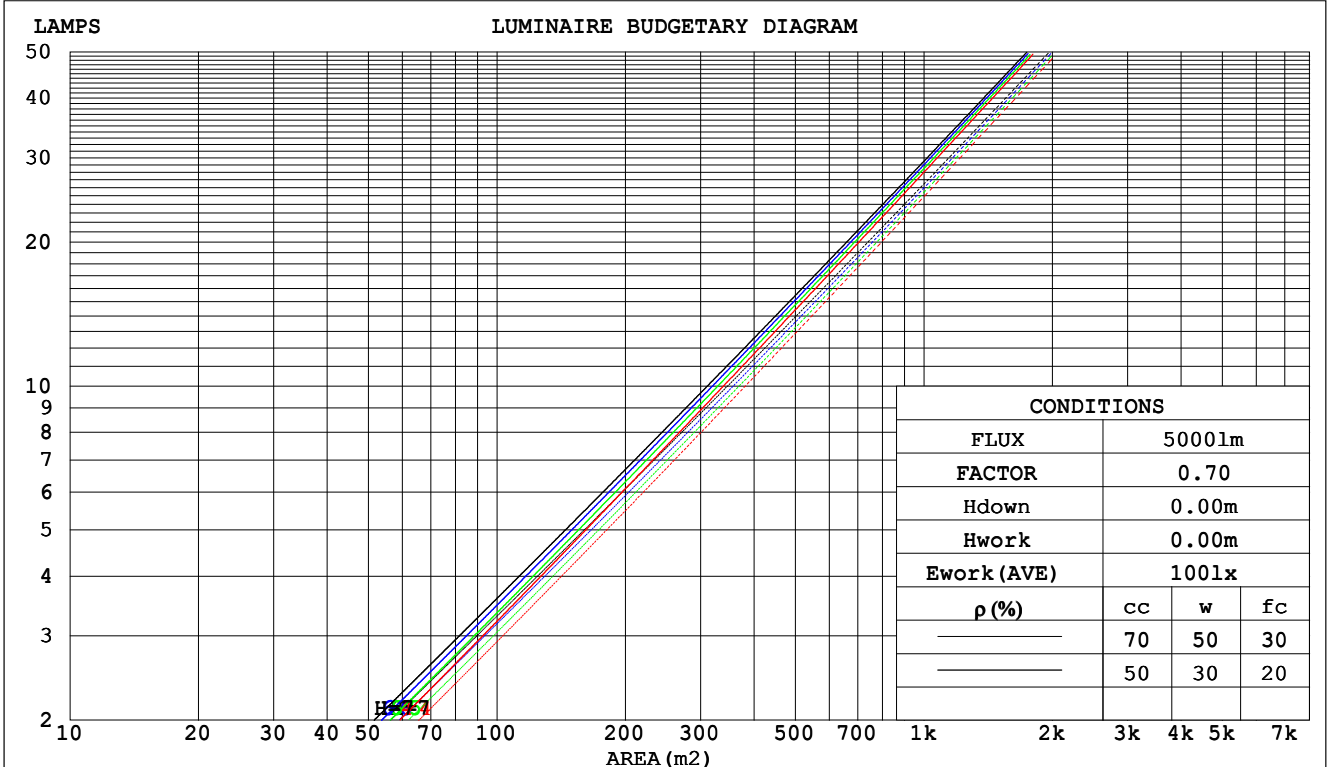
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 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	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.91
3.0	1.01	.97	.94	.99	.96	.93	.97	.94	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.88	.85	.92	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.85	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.86	.82	.78	.85	.81	.78	.84	.81	.78	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
10.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.76	.73	.71	.70



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 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	.149	.085	.027	.142	.081	.026	.129	.074	.024	.117	.067	.022	.106	.061	.020	
2.0	.140	.077	.024	.134	.074	.023	.123	.069	.021	.113	.063	.020	.104	.059	.019	
3.0	.131	.070	.021	.126	.067	.020	.117	.063	.019	.108	.059	.018	.100	.056	.017	
4.0	.122	.064	.019	.118	.062	.018	.110	.058	.017	.103	.055	.017	.096	.052	.016	
5.0	.115	.058	.017	.111	.057	.017	.104	.054	.016	.098	.052	.015	.092	.049	.015	
6.0	.108	.054	.015	.105	.053	.015	.099	.051	.015	.093	.048	.014	.088	.046	.014	
7.0	.101	.050	.014	.099	.049	.014	.094	.047	.014	.089	.046	.013	.084	.044	.013	
8.0	.096	.047	.013	.093	.046	.013	.089	.044	.013	.085	.043	.012	.081	.041	.012	
9.0	.091	.044	.012	.089	.043	.012	.085	.042	.012	.081	.041	.012	.077	.039	.011	
10.0	.086	.041	.011	.084	.041	.011	.081	.040	.011	.077	.038	.011	.074	.037	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.178	.166	.156	.152	.143	.134	.104	.098	.093	.060	.057	.054	.019	.018	.017	
2.0	.161	.141	.125	.138	.122	.108	.094	.084	.075	.054	.049	.044	.017	.016	.014	
3.0	.147	.122	.103	.126	.105	.089	.086	.073	.063	.050	.043	.037	.016	.014	.012	
4.0	.134	.107	.086	.115	.092	.075	.079	.064	.053	.046	.038	.031	.015	.012	.010	
5.0	.124	.095	.073	.107	.082	.064	.073	.057	.045	.043	.034	.027	.014	.011	.009	
6.0	.115	.085	.063	.099	.074	.055	.068	.052	.039	.040	.030	.023	.013	.010	.008	
7.0	.108	.077	.055	.093	.067	.048	.064	.047	.034	.037	.028	.020	.012	.009	.007	
8.0	.101	.070	.049	.087	.061	.043	.060	.043	.030	.035	.025	.018	.011	.008	.006	
9.0	.095	.065	.044	.082	.056	.038	.057	.039	.027	.033	.023	.016	.011	.008	.005	
10.0	.090	.060	.040	.077	.052	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm										
NAME: LED LAMP					TYPE:Dimmable LED Lamp			WEIGHT:		
SPEC.:5.5W 2700K 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	2.6	3.3	2.8	3.5	3.6	1.4	2.1	1.6	2.3	2.4
3H	2.7	3.4	3.0	3.6	3.8	1.5	2.2	1.8	2.4	2.6
4H	2.7	3.4	3.0	3.6	3.8	1.5	2.1	1.8	2.4	2.6
6H	2.7	3.3	3.0	3.5	3.8	1.5	2.1	1.8	2.3	2.6
8H	2.6	3.2	2.9	3.5	3.8	1.4	2.0	1.7	2.3	2.5
12H	2.6	3.1	2.9	3.4	3.7	1.4	1.9	1.7	2.2	2.5
4H 2H	2.6	3.2	2.9	3.4	3.7	1.5	2.1	1.7	2.3	2.5
3H	2.8	3.3	3.1	3.6	3.9	1.6	2.2	2.0	2.5	2.8
4H	2.8	3.3	3.1	3.6	3.9	1.7	2.2	2.0	2.5	2.8
6H	2.7	3.2	3.1	3.5	3.9	1.6	2.1	2.0	2.4	2.8
8H	2.7	3.1	3.1	3.4	3.8	1.5	2.0	2.0	2.3	2.7
12H	2.6	3.0	3.0	3.4	3.8	1.5	1.9	1.9	2.3	2.7
8H 4H	2.7	3.1	3.1	3.4	3.8	1.6	2.0	2.0	2.4	2.7
6H	2.6	2.9	3.0	3.4	3.8	1.5	1.9	2.0	2.3	2.7
8H	2.5	2.9	3.0	3.3	3.7	1.5	1.8	1.9	2.2	2.7
12H	2.5	2.7	3.0	3.2	3.7	1.4	1.7	1.9	2.1	2.6
12H 4H	2.6	3.0	3.0	3.4	3.8	1.5	1.9	1.9	2.3	2.7
6H	2.5	2.8	3.0	3.3	3.7	1.5	1.8	1.9	2.2	2.7
8H	2.5	2.7	3.0	3.2	3.7	1.4	1.7	1.9	2.1	2.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.5					+ 1.6 / - 2.7				
1.5H	+ 2.2 / - 2.1					+ 1.9 / - 1.9				
2.0H	+ 3.6 / - 3.1					+ 2.9 / - 2.5				

CIE Pub.117 Corrected 269.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.6)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

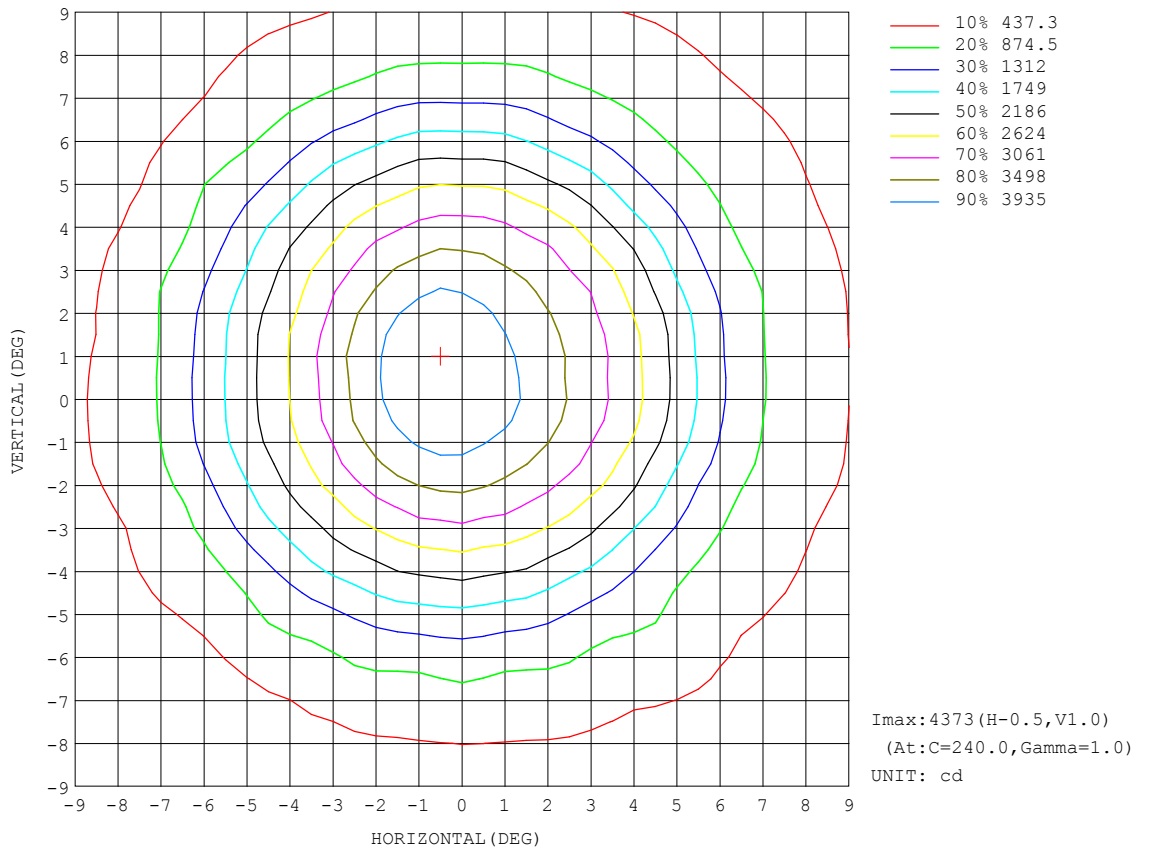
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	91	87	95	91	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
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				SHRNM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

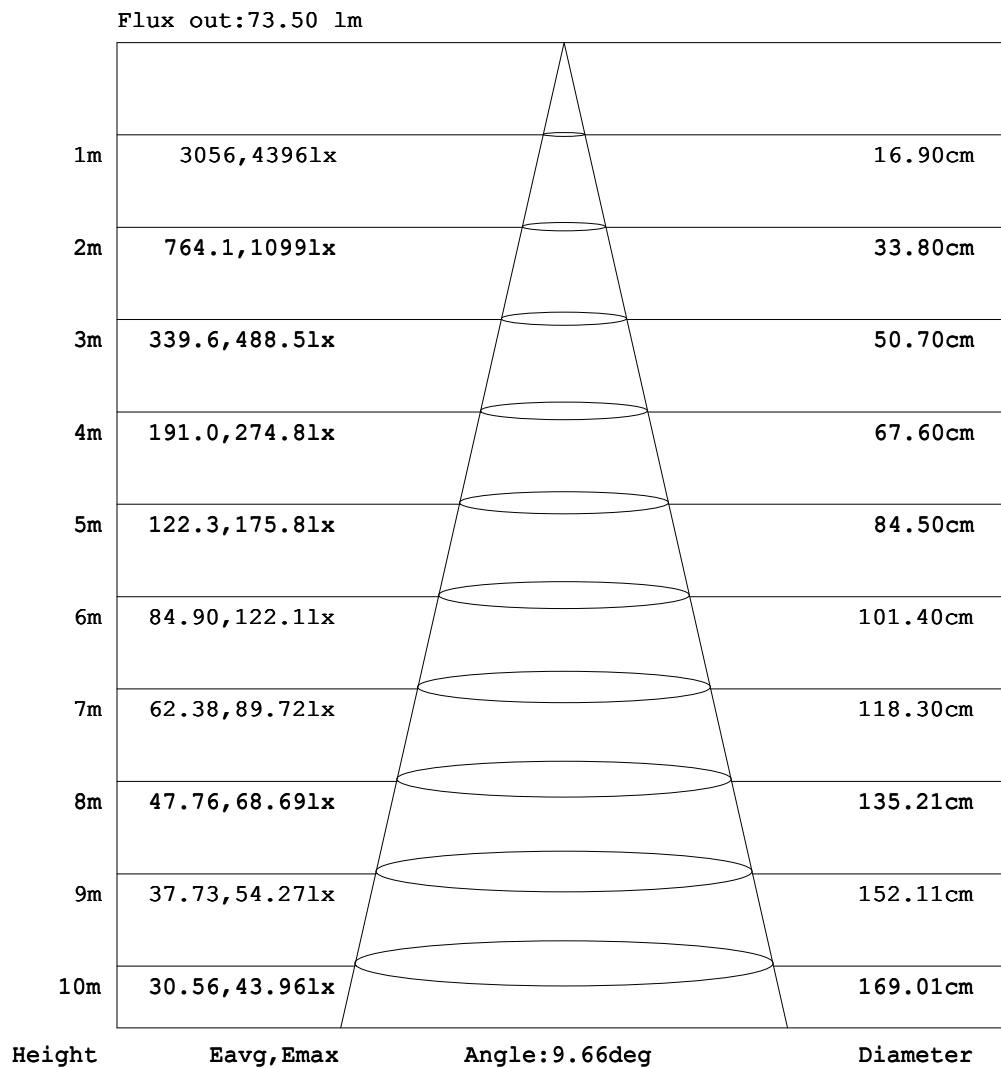


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:



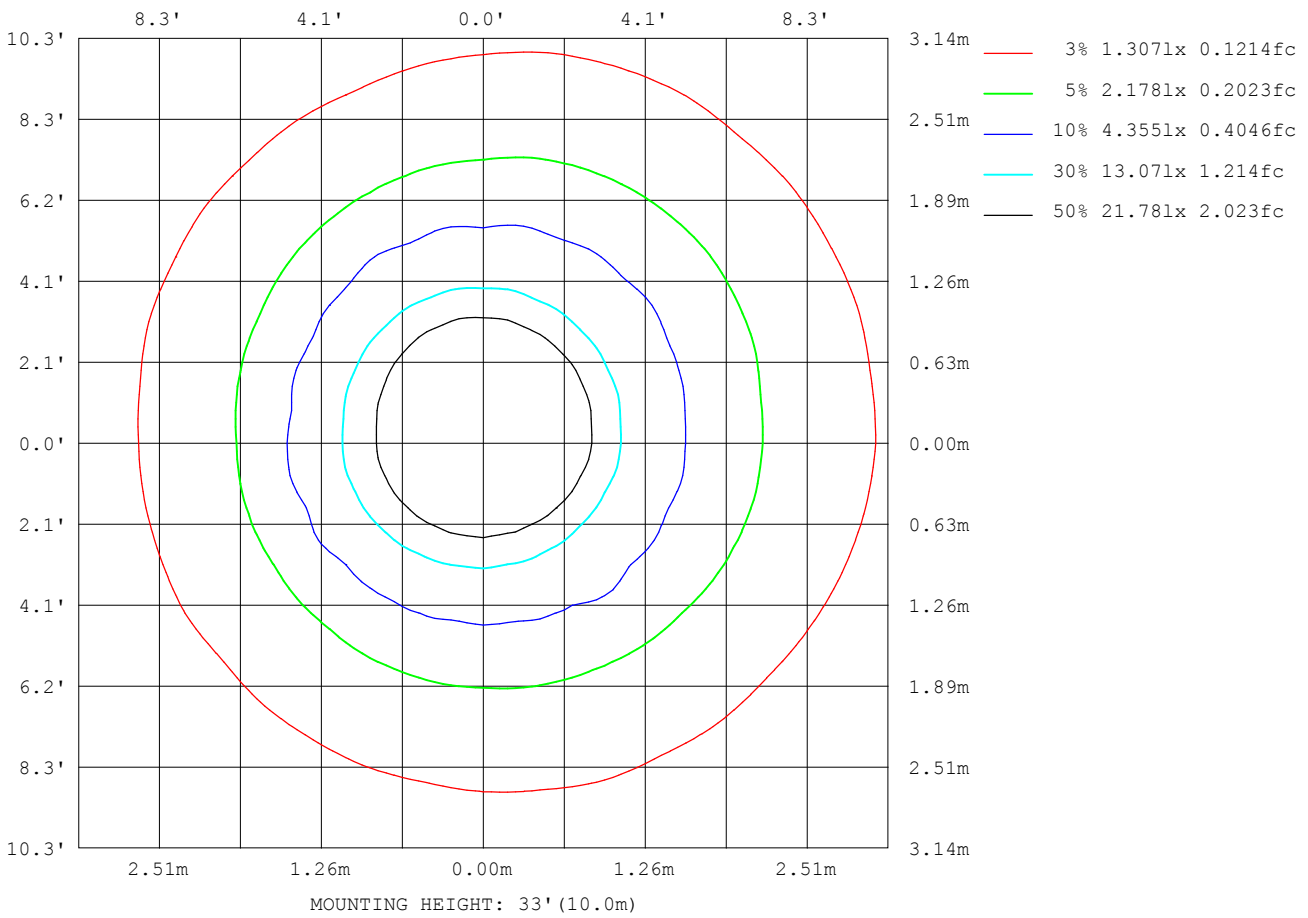
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 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:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 8°LENS	DIM.:	SERIAL No.:1
MFR.: Lumien Enterprise,Inc.	SUR.:	Shielding Angle:

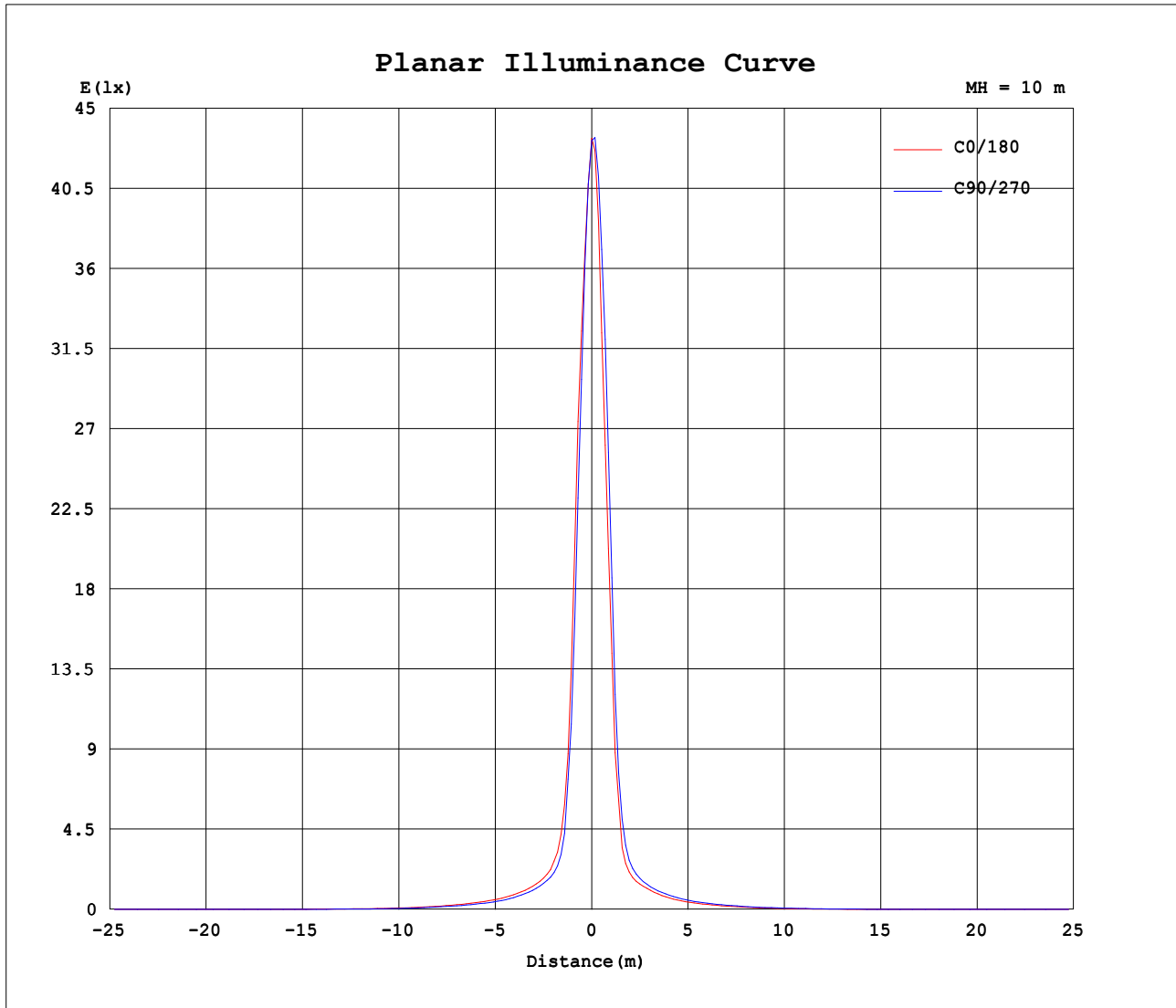
AvgL	cd/m2
L_0~180 (65) av	75
L_0~180 (75) av	39
L_0~180 (85) av	0
L_90~270 (65) av	73
L_90~270 (75) av	39
L_90~270 (85) av	0
L_45 (65) av	75
L_45 (75) av	40
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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: 2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 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	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326
5	2071	2011	1861	1836	1718	1711	1633	1658	1591	1654	1648	1726	1739	1837	1847	1936	1963	2054	2048
10	337	330	314	312	293	288	290	272	272	258	264	256	264	253	263	255	273	268	270
15	175	172	167	164	160	158	155	154	148	147	145	144	143	143	140	144	143	144	145
20	120	117	112	110	106	104	102	100	98.4	98.5	96.2	95.2	93.6	93.3	92.0	92.3	92.5	94.3	94.8
25	85.5	83.6	80.4	78.6	75.8	74.2	72.4	71.0	69.3	68.2	66.8	65.9	64.4	63.7	63.4	63.4	63.4	64.3	64.4
30	64.0	62.7	60.7	59.3	57.0	55.7	54.3	52.8	51.7	50.8	49.4	48.1	46.7	46.0	45.4	46.0	46.3	47.1	47.4
35	48.1	47.3	45.5	44.0	42.4	41.5	40.3	39.5	37.9	37.4	36.2	34.9	33.7	33.2	32.7	33.3	33.7	34.6	35.0
40	35.2	34.3	32.7	31.7	30.2	29.4	28.6	27.8	26.9	26.2	25.0	24.1	23.2	23.0	22.6	23.0	23.3	24.0	24.3
45	24.1	23.5	22.2	21.2	20.3	19.8	19.1	18.4	17.5	17.1	16.2	15.7	15.2	15.1	14.9	15.1	15.2	15.4	15.6
50	15.4	15.0	14.3	13.6	13.0	12.7	12.2	11.6	10.9	10.6	10.2	9.88	9.61	9.62	9.51	9.63	9.63	9.78	9.85
55	9.41	9.21	8.88	8.47	8.18	7.96	7.61	7.29	6.92	6.69	6.47	6.30	6.18	6.15	6.14	6.21	6.22	6.31	6.35
60	5.77	5.64	5.50	5.32	5.15	5.04	4.86	4.61	4.42	4.30	4.21	4.09	4.06	4.01	3.99	4.06	4.11	4.15	4.19
65	3.58	3.49	3.42	3.32	3.27	3.18	3.12	2.97	2.86	2.77	2.74	2.65	2.67	2.61	2.58	2.65	2.69	2.71	2.75
70	2.15	2.08	2.06	1.95	1.94	1.88	1.88	1.78	1.75	1.67	1.68	1.63	1.64	1.63	1.65	1.64	1.68	1.68	1.68
75	1.12	1.05	1.04	1.00	0.99	0.95	0.97	0.89	0.91	0.86	0.88	0.87	0.86	0.85	0.88	0.87	0.91	0.89	0.90
80	0.36	0.30	0.33	0.30	0.32	0.26	0.30	0.27	0.28	0.26	0.28	0.26	0.29	0.27	0.31	0.27	0.35	0.30	0.29
85	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
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	0.00	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	0.01	0.02	0.01	0.03	0.00	0.03	0.00	0.06	0.01	0.08	0.03	0.08	0.02	0.09	0.03	0.09	0.03	0.08	0.00
125	0.01	0.04	0.00	0.04	0.01	0.06	0.02	0.08	0.09	0.11	0.12	0.13	0.13	0.13	0.13	0.14	0.13	0.15	0.00
130	0.02	0.08	0.02	0.10	0.05	0.11	0.08	0.11	0.13	0.13	0.13	0.16	0.13	0.18	0.14	0.19	0.13	0.19	0.00
135	0.14	0.20	0.14	0.20	0.17	0.24	0.21	0.26	0.27	0.29	0.28	0.31	0.27	0.34	0.29	0.34	0.27	0.32	0.11
140	0.34	0.41	0.39	0.43	0.43	0.48	0.46	0.53	0.49	0.55	0.55	0.58	0.58	0.60	0.58	0.59	0.57	0.58	0.25
145	1.07	1.15	1.17	1.22	1.22	1.29	1.31	1.35	1.34	1.40	1.38	1.41	1.38	1.40	1.34	1.36	1.31	1.30	0.45
150	2.33	2.39	2.40	2.46	2.46	2.53	2.53	2.55	2.56	2.61	2.60	2.62	2.60	2.63	2.57	2.59	2.54	2.55	0.90
155	2.96	3.00	2.99	3.04	3.02	3.08	3.07	3.10	3.07	3.15	3.11	3.16	3.13	3.17	3.12	3.17	3.13	3.17	2.05
160	3.22	3.26	3.24	3.30	3.28	3.30	3.34	3.33	3.32	3.36	3.35	3.37	3.37	3.38	3.34	3.40	3.36	3.39	3.00
165	3.47	3.48	3.48	3.51	3.49	3.51	3.51	3.53	3.50	3.55	3.53	3.56	3.54	3.57	3.53	3.57	3.54	3.58	3.33
170	3.67	3.65	3.65	3.66	3.67	3.68	3.67	3.67	3.65	3.68	3.66	3.69	3.67	3.70	3.65	3.70	3.69	3.71	3.51
175	3.57	3.50	3.53	3.50	3.50	3.46	3.47	3.43	3.44	3.46	3.48	3.48	3.51	3.50	3.54	3.53	3.58	3.56	3.31
180	2.77	2.74	2.75	2.75	2.75	2.77	2.77	2.78	2.77	2.80	2.82	2.83	2.86	2.87	2.85	2.87	2.89	2.90	2.76

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ADMIN
 Test Date:2026-03-14

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:12.08V I:0.6401A P:5.204W PF:0.6728 Freq:59.98Hz Lamp Flux:269.603x1 lm		
NAME: LED LAMP	TYPE:Dimmable LED Lamp	WEIGHT:
SPEC.:5.5W 2700K 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	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326	4326		
5	2081	2197	2251	2385	2444	2574	2568	2644	2601	2629	2533	2530	2436	2396	2276	2243	2116		
10	297	292	296	324	333	362	363	377	378	398	396	406	392	393	373	364	345		
15	146	151	154	158	159	163	164	170	175	180	183	186	186	184	183	181	177		
20	95.9	98.2	98.6	101	102	106	109	112	116	120	121	122	121	122	121	122	121		
25	65.0	66.5	67.3	68.5	69.8	72.8	74.6	78.2	80.7	83.7	84.4	85.5	85.3	85.8	85.9	86.4	86.1		
30	47.7	48.2	48.9	49.8	50.8	52.9	54.9	57.0	59.1	61.2	62.0	63.1	62.9	63.3	63.8	64.5	64.3		
35	35.3	35.6	36.3	36.8	37.5	39.1	40.6	42.7	44.2	46.0	46.7	47.5	47.4	47.8	47.8	48.5	48.3		
40	24.6	24.9	25.7	26.2	26.6	27.8	28.9	30.2	32.0	33.3	33.9	34.4	34.1	34.2	34.5	35.0	35.2		
45	15.9	16.3	17.0	17.6	18.1	18.8	19.6	20.6	21.9	22.8	23.1	23.7	23.5	23.5	23.6	24.1	24.2		
50	10.0	10.4	10.8	11.4	11.7	12.3	12.7	13.3	14.0	14.5	14.8	15.3	15.2	15.4	15.3	15.5	15.4		
55	6.51	6.71	7.00	7.31	7.55	7.87	8.09	8.34	8.65	9.02	9.20	9.50	9.57	9.60	9.57	9.65	9.51		
60	4.30	4.41	4.63	4.74	4.87	5.05	5.18	5.25	5.39	5.62	5.72	5.87	5.97	5.90	5.94	5.92	5.85		
65	2.83	2.88	3.00	3.05	3.17	3.23	3.28	3.35	3.42	3.51	3.58	3.63	3.76	3.69	3.67	3.64	3.62		
70	1.77	1.78	1.88	1.90	1.98	1.98	2.05	2.04	2.12	2.15	2.19	2.18	2.22	2.21	2.21	2.16	2.16		
75	0.97	0.93	1.02	1.03	1.10	1.05	1.13	1.08	1.15	1.19	1.17	1.15	1.19	1.19	1.15	1.10	1.12		
80	0.34	0.33	0.36	0.34	0.41	0.39	0.43	0.40	0.43	0.41	0.42	0.38	0.41	0.36	0.38	0.33	0.36		
85	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		
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	0.00	0.00	0.00	0.00	0.00	0.00		
130	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	0.00		
135	0.07	0.11	0.05	0.08	0.02	0.06	0.00	0.05	0.00	0.04	0.01	0.02	0.00	0.01	0.01	0.01	0.00		
140	0.19	0.22	0.16	0.22	0.13	0.19	0.12	0.15	0.11	0.13	0.11	0.13	0.10	0.11	0.10	0.13	0.11		
145	0.42	0.43	0.35	0.39	0.33	0.36	0.30	0.32	0.27	0.32	0.27	0.30	0.28	0.28	0.29	0.29	0.27		
150	0.84	0.84	0.77	0.79	0.73	0.74	0.67	0.69	0.63	0.67	0.61	0.67	0.61	0.67	0.64	0.70	0.67		
155	1.96	1.96	1.89	1.89	1.82	1.81	1.76	1.74	1.71	1.74	1.69	1.74	1.74	1.77	1.79	1.83	1.84		
160	2.95	2.96	2.91	2.92	2.87	2.87	2.80	2.82	2.77	2.80	2.75	2.78	2.75	2.78	2.75	2.81	2.79		
165	3.32	3.30	3.26	3.28	3.23	3.27	3.20	3.22	3.18	3.21	3.19	3.20	3.16	3.19	3.18	3.21	3.18		
170	3.50	3.49	3.49	3.47	3.46	3.46	3.43	3.44	3.40	3.43	3.39	3.41	3.38	3.42	3.38	3.42	3.39		
175	3.34	3.34	3.37	3.34	3.38	3.36	3.38	3.34	3.39	3.35	3.35	3.34	3.35	3.31	3.34	3.32	3.31		
180	2.76	2.75	2.76	2.76	2.77	2.78	2.78	2.78	2.82	2.82	2.83	2.85	2.86	2.86	2.88	2.88	2.90		

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