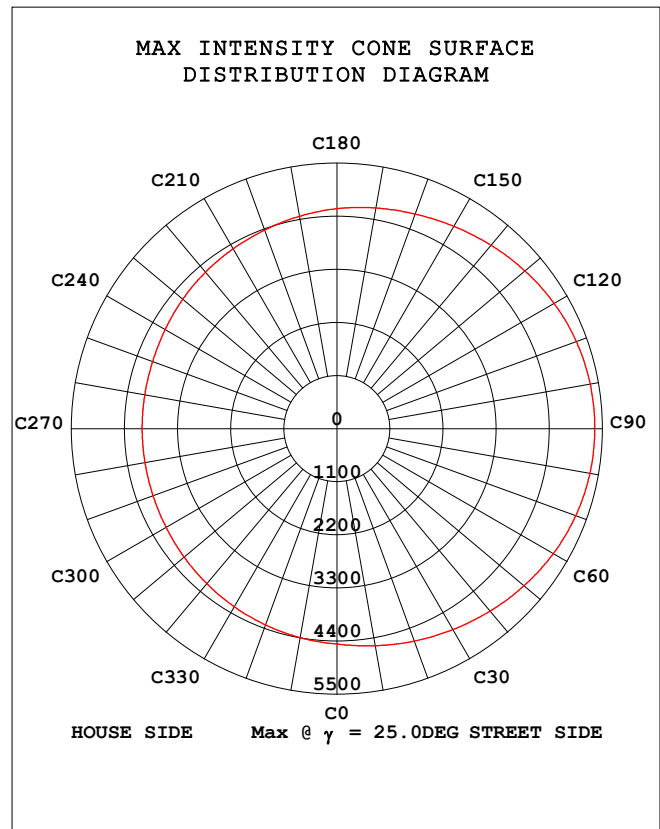
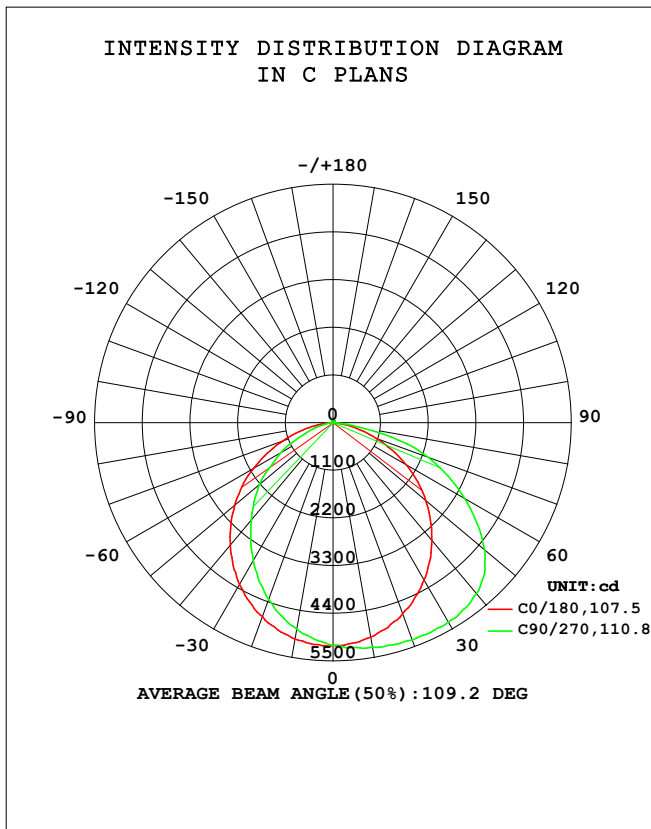


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.47 lm/W			
MODEL		Imax (cd)	5340	η street_up (%)	0.5
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	59.3
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	14902	η house_up (%)	0.6
NOMINAL FLUX (lm)	14902	MAXIMUM @ (C, γ)	90, 25.0	η house_down (%)	39.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

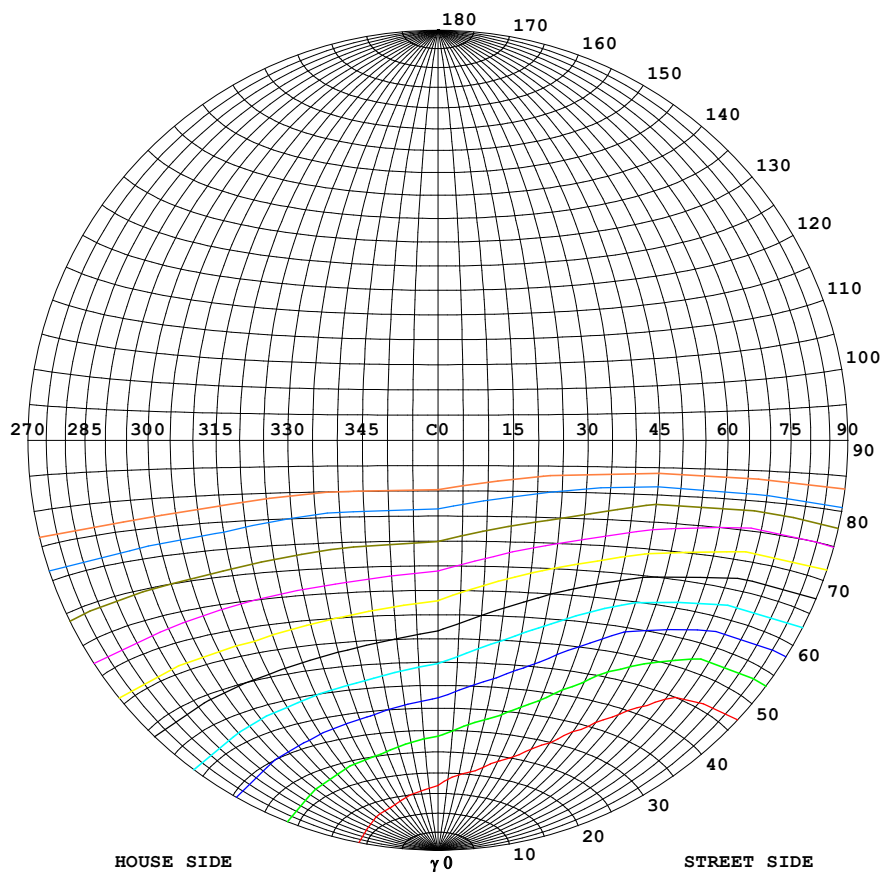


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

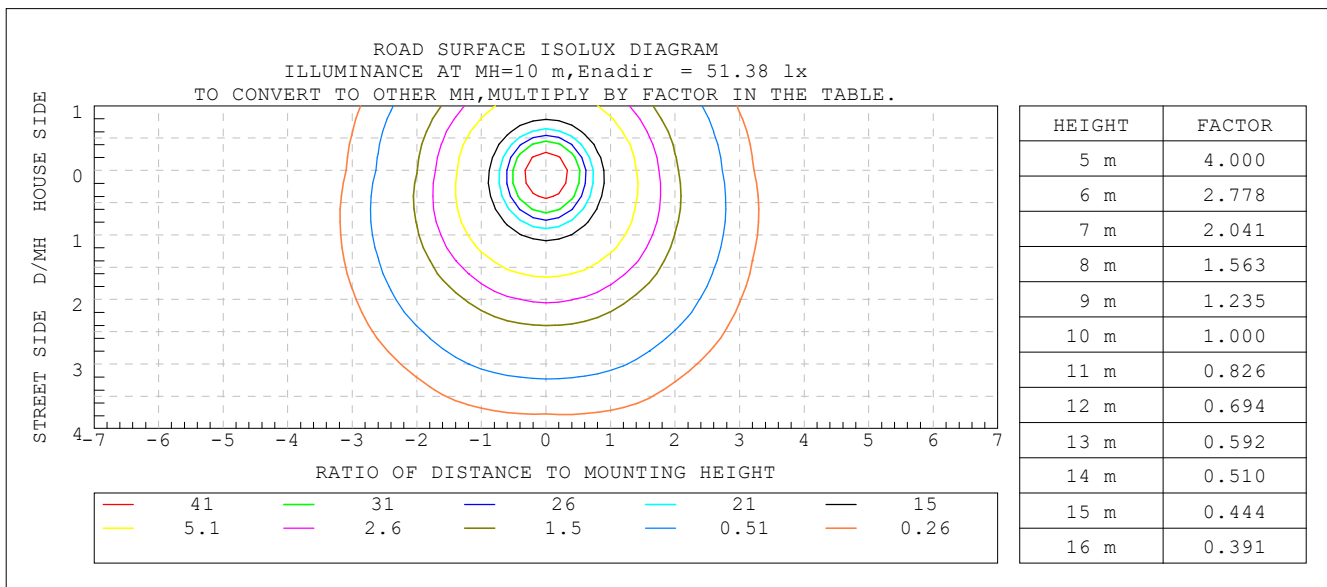
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:62.51cd/klm
Max.At90:0.7292cd/klm
Max.80-90:62.51cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5340
90%	4806
80%	4272
70%	3738
60%	3204
50%	2670
40%	2136
30%	1602
20%	1068
10%	534
5%	267

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

gamma Range: 0 - 180DEG
gamma Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

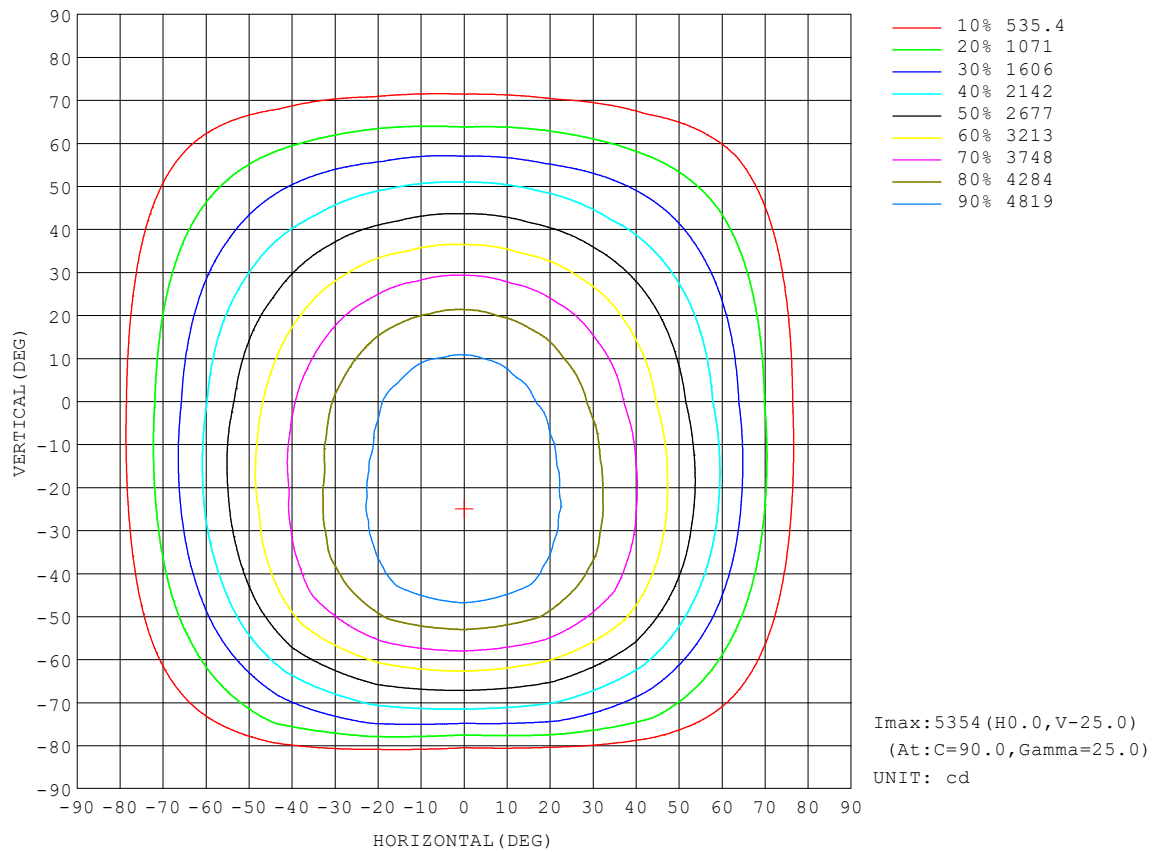
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	5030	5166	5261	5186	5071	4902	4839	4880	0- 10	486.3	486.3	3.26,3.26
20	4697	5090	5335	5113	4769	4477	4347	4454	10- 20	1394	1880	12.6,12.6
30	4197	4864	5315	4905	4318	3880	3687	3831	20- 30	2120	4001	26.8,26.8
40	3553	4550	5151	4585	3692	3147	2934	3096	30- 40	2582	6582	44.2,44.2
50	2792	4021	4576	4091	2961	2387	2211	2325	40- 50	2720	9302	62.4,62.4
60	1953	3171	3507	3274	2119	1632	1386	1570	50- 60	2474	11777	79,79
70	1058	2020	2331	2142	1232	873.2	612.8	800.9	60- 70	1844	13621	91.4,91.4
80	282.8	791.5	580.6	931.5	428.6	206.2	113.1	151.6	70- 80	971.2	14592	97.9,97.9
90	6.815	5.042	5.149	5.977	7.376	9.342	10.67	10.08	80- 90	147.7	14740	98.9,98.9
100	11.80	8.780	7.593	8.439	10.64	15.75	18.19	16.51	90-100	10.45	14750	99,99
110	17.99	13.89	12.44	13.39	16.50	22.67	25.96	23.43	100-110	16.08	14766	99.1,99.1
120	24.66	19.83	18.23	19.27	23.14	30.36	34.18	30.98	110-120	21.49	14788	99.2,99.2
130	31.17	26.15	24.55	25.40	29.77	37.17	40.78	37.39	120-130	25.45	14813	99.4,99.4
140	36.26	31.99	30.51	31.06	35.21	42.28	45.44	42.10	130-140	26.52	14840	99.6,99.6
150	40.60	37.41	36.11	36.32	39.69	45.64	48.18	45.12	140-150	24.49	14864	99.7,99.7
160	44.74	42.49	41.46	41.08	43.73	47.77	49.47	47.10	150-160	19.83	14884	99.9,99.9
170	48.36	47.05	46.48	46.08	47.65	49.87	50.64	49.04	160-170	13.12	14897	100,100
180	50.12	50.54	50.72	49.29	50.04	50.25	50.60	49.68	170-180	4.677	14902	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

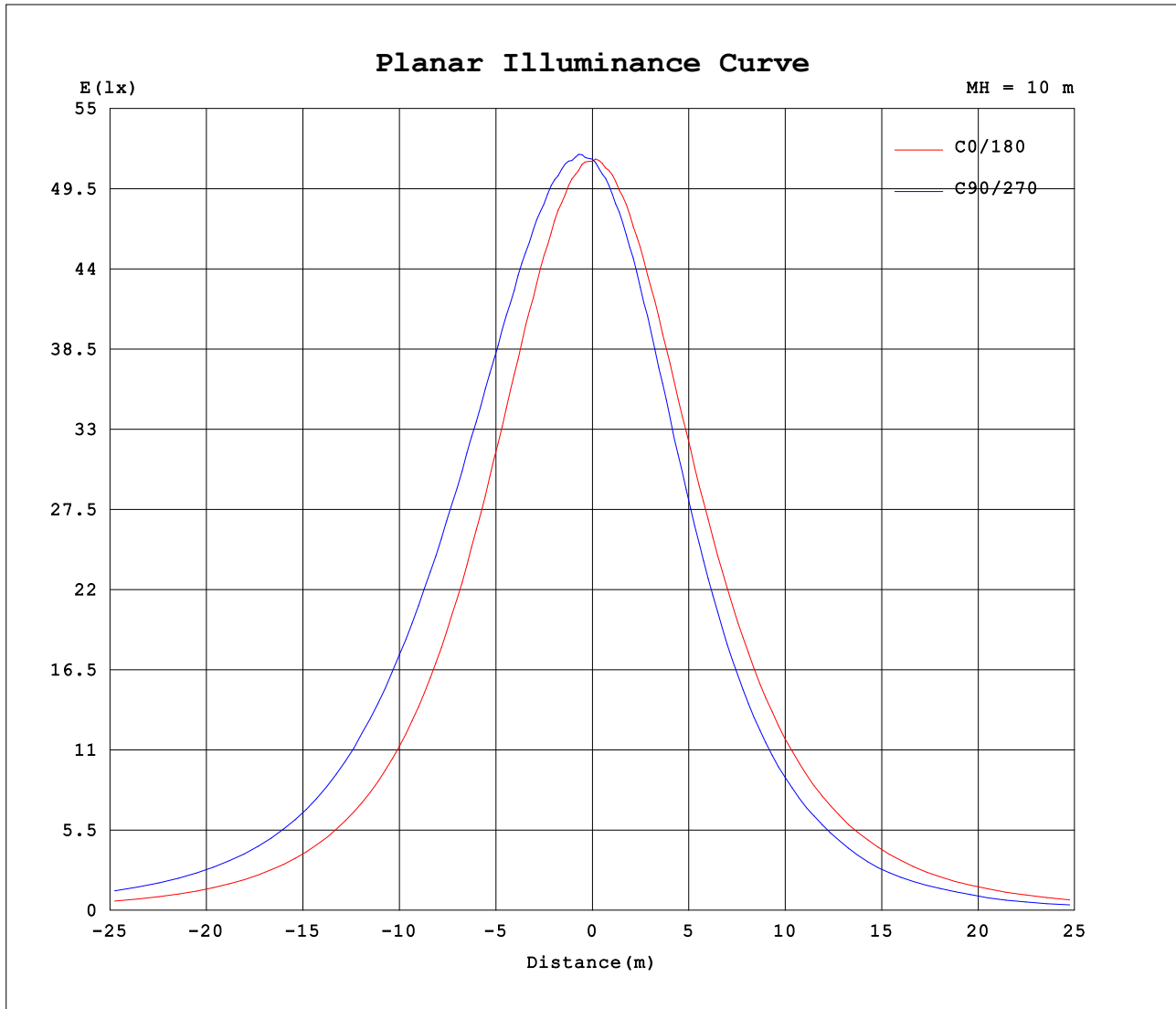
Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



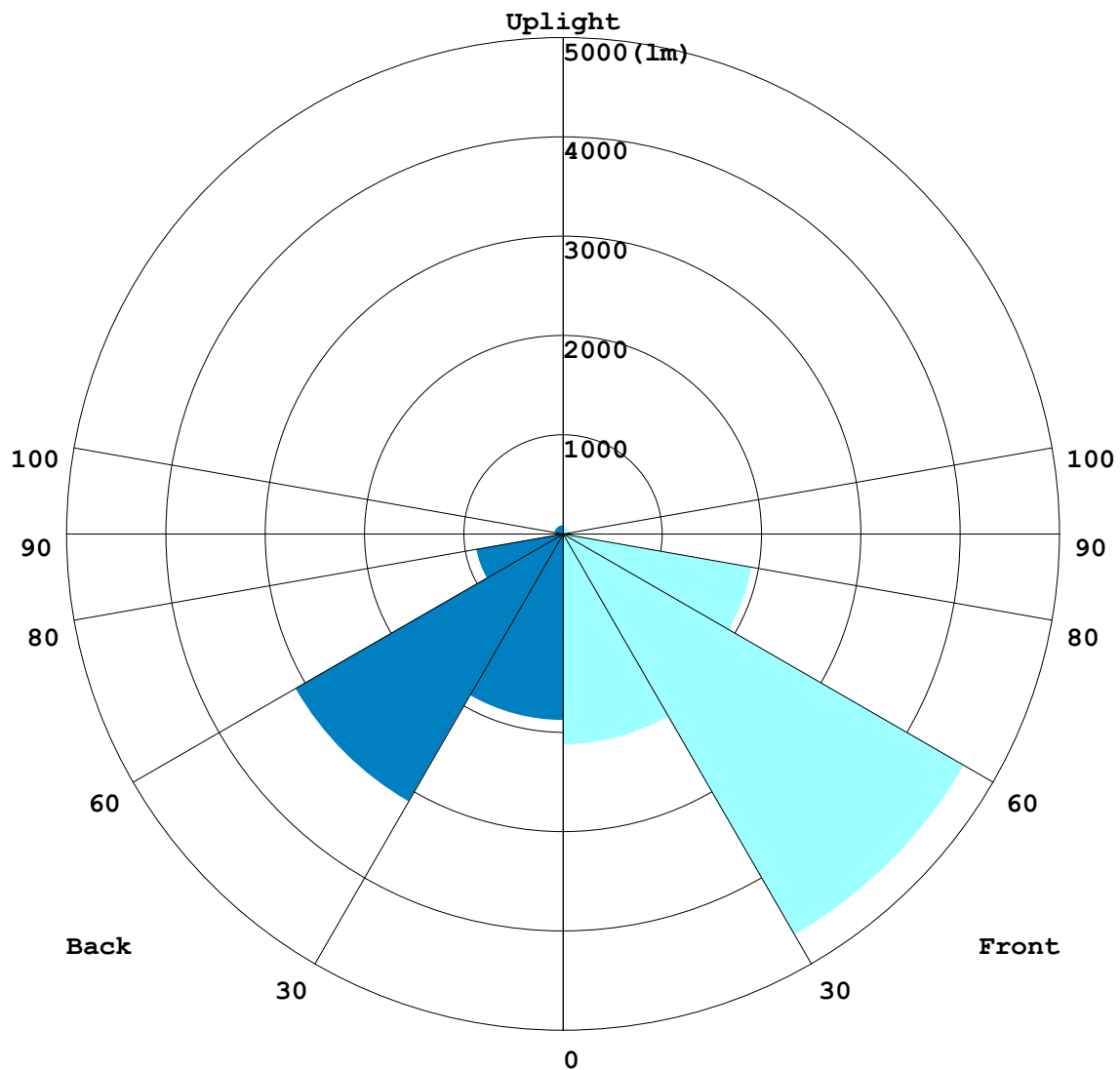
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

LCS REPORT

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2124	14.3
FM - Front-Medium(30-60)	4664.3	31.3
FH - Front-High(60-80)	1929.9	13.0
FVH - Front-Very High(80-90)	112.81	0.8
Total Forward Light	8899.7	59.7

BL - Back-Low(0-30)	1876.7	12.6
BM - Back-Medium(30-60)	3111.9	20.9
BH - Back-High(60-80)	885.45	5.9
BVH - Back-Very High(80-90)	34.891	0.2
Total Back Light	6002.3	40.3

UL - Uplight-Low(90-100)	10.453	0.1
UH - Uplight-High(100-180)	151.65	1.0
Total Up Light	162.11	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5908.9	93.322	6002.3
Street Side	8831	68.785	8899.7

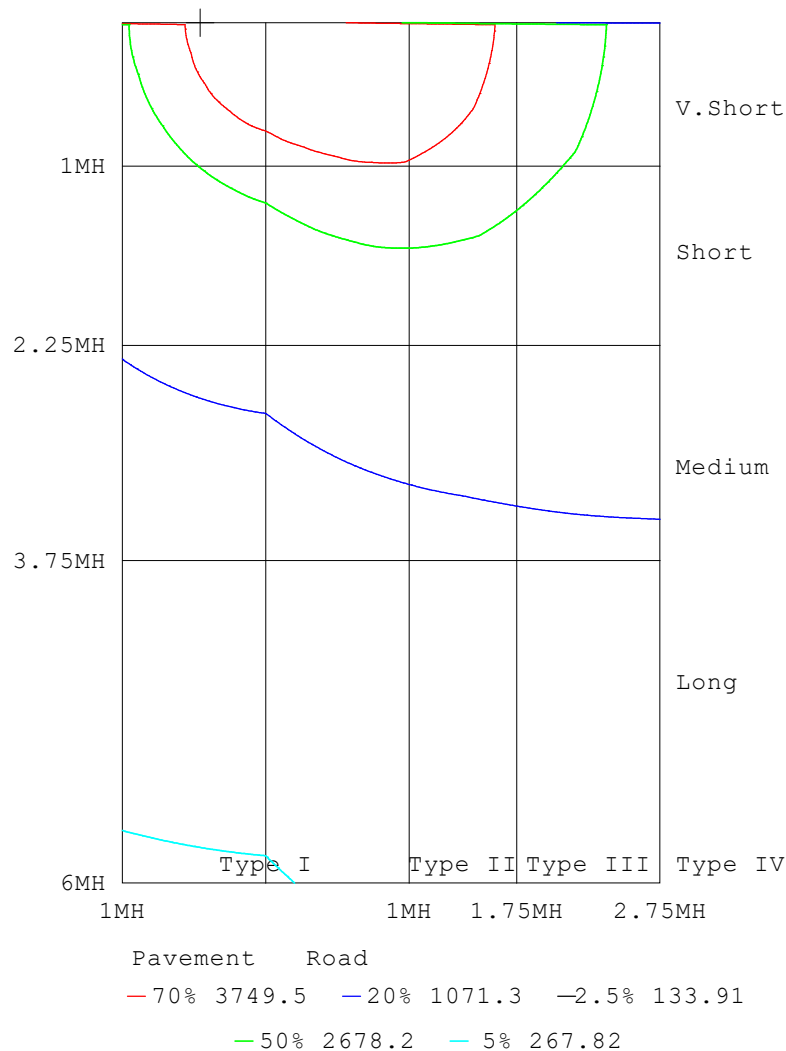
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.40V I:0.3577A P:97.739W PF:0.9922 Freq:60.00Hz Lamp Flux:14902x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139	5139			
5	5107	5139	5169	5215	5211	5220	5191	5171	5136	5086	5049	5032	5015	5033	5038	5070			
10	5030	5110	5166	5269	5261	5280	5186	5137	5071	4979	4902	4874	4839	4870	4880	4963			
15	4892	5026	5151	5290	5308	5299	5159	5054	4949	4813	4705	4651	4613	4649	4689	4799			
20	4697	4895	5090	5282	5335	5294	5113	4915	4769	4597	4477	4383	4347	4363	4454	4574			
25	4460	4712	4997	5245	5340	5260	5026	4758	4560	4361	4206	4074	4036	4061	4164	4309			
30	4197	4502	4864	5210	5315	5226	4905	4568	4318	4069	3880	3740	3687	3715	3831	4011			
35	3895	4276	4718	5151	5258	5170	4754	4328	4026	3746	3521	3381	3311	3353	3466	3681			
40	3553	3998	4550	5019	5151	5041	4585	4056	3692	3381	3147	2988	2934	2967	3096	3324			
45	3182	3703	4316	4810	4943	4839	4370	3754	3331	2999	2772	2613	2580	2588	2714	2935			
50	2792	3365	4021	4475	4576	4520	4091	3443	2961	2626	2387	2257	2211	2228	2325	2543			
55	2390	3001	3645	4018	4061	4078	3735	3093	2568	2231	1997	1890	1764	1848	1933	2152			
60	1953	2589	3171	3474	3507	3532	3274	2680	2119	1834	1632	1449	1386	1415	1570	1753			
65	1500	2077	2619	2902	2934	2960	2734	2188	1673	1430	1221	1084	941	1026	1153	1351			
70	1058	1540	2020	2319	2331	2383	2142	1664	1232	1053	873	654	613	630	801	974			
75	640	1001	1432	1688	1571	1766	1549	1132	812	688	473	379	336	355	419	597			
80	283	525	791	649	581	755	932	635	429	348	206	125	113	111	152	263			
85	42.5	110	117	111	107	186	253	208	123	79.2	21.4	9.77	9.21	9.62	10.4	38.2			
90	6.82	5.56	5.04	5.12	5.15	5.68	5.98	6.45	7.38	7.92	9.34	10.4	10.7	10.9	10.1	8.43			
95	9.12	7.56	6.71	5.88	5.63	5.77	6.39	7.27	8.11	10.4	12.5	13.9	14.3	14.4	13.2	11.1			
100	11.8	9.84	8.78	7.92	7.59	7.80	8.44	9.56	10.6	13.3	15.7	17.7	18.2	18.1	16.5	14.1			
105	14.8	12.4	11.2	10.3	9.84	10.1	10.8	12.1	13.5	16.5	19.2	21.4	22.1	21.9	19.9	17.3			
110	18.0	15.3	13.9	12.8	12.4	12.7	13.4	14.9	16.5	19.9	22.7	25.2	26.0	25.6	23.4	20.7			
115	21.3	18.3	16.8	15.6	15.2	15.5	16.3	17.8	19.8	23.5	26.5	29.2	30.1	29.5	27.2	24.2			
120	24.7	21.4	19.8	18.6	18.2	18.4	19.3	21.0	23.1	27.2	30.4	33.2	34.2	33.5	31.0	27.7			
125	28.1	24.6	23.0	21.7	21.4	21.6	22.4	24.3	26.6	30.8	33.9	36.8	37.9	37.2	34.4	31.1			
130	31.2	27.8	26.1	25.0	24.6	24.8	25.4	27.4	29.8	34.0	37.2	39.9	40.8	40.2	37.4	34.0			
135	34.0	30.7	29.2	28.0	27.7	27.8	28.3	30.2	32.6	36.7	39.9	42.5	43.3	42.5	40.1	36.5			
140	36.3	33.3	32.0	30.8	30.5	30.5	31.1	32.9	35.2	39.2	42.3	44.7	45.4	44.7	42.1	38.6			
145	38.6	36.0	34.7	33.7	33.2	33.3	33.6	35.4	37.6	41.3	44.0	46.6	47.0	46.4	43.7	40.7			
150	40.6	38.4	37.4	36.3	36.1	36.1	36.3	37.8	39.7	43.1	45.6	47.7	48.2	47.3	45.1	42.2			
155	42.7	40.8	40.0	39.0	38.9	38.8	38.7	40.0	41.7	44.6	46.7	48.6	48.8	48.1	46.2	43.7			
160	44.7	43.2	42.5	41.7	41.5	41.4	41.1	42.2	43.7	46.1	47.8	49.5	49.5	48.9	47.1	45.0			
165	46.6	45.4	45.0	44.2	44.1	44.0	43.6	44.4	45.7	47.5	48.8	50.1	50.1	49.5	48.1	46.3			
170	48.4	47.3	47.1	46.6	46.5	46.6	46.1	46.6	47.6	49.0	49.9	50.9	50.6	50.1	49.0	47.6			
175	49.7	49.0	49.0	48.9	48.8	48.9	47.9	48.1	49.3	50.1	50.5	51.3	50.9	50.6	49.6	48.7			
180	50.1	49.6	50.5	50.7	50.7	50.6	49.3	49.1	50.0	50.2	50.3	50.8	50.6	50.2	49.7	48.8			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: