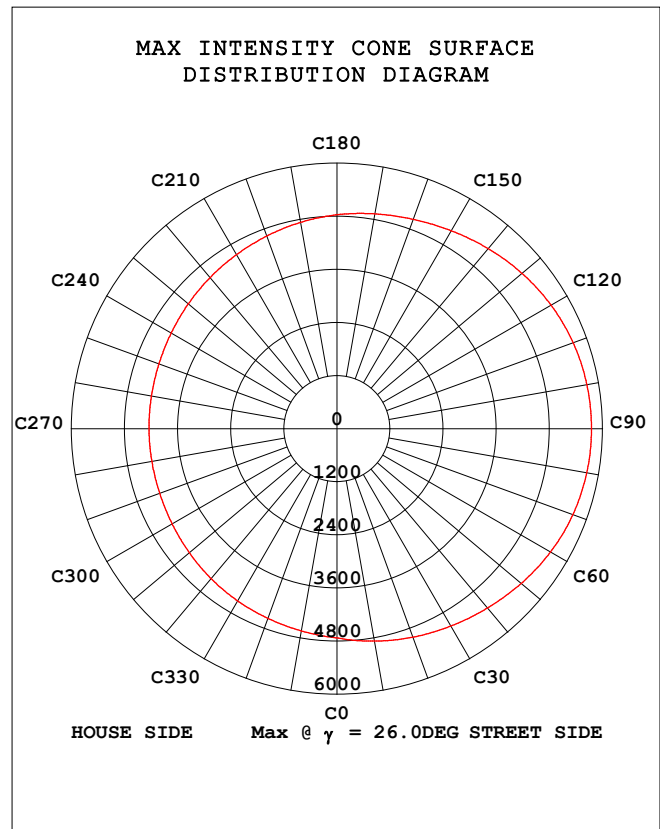
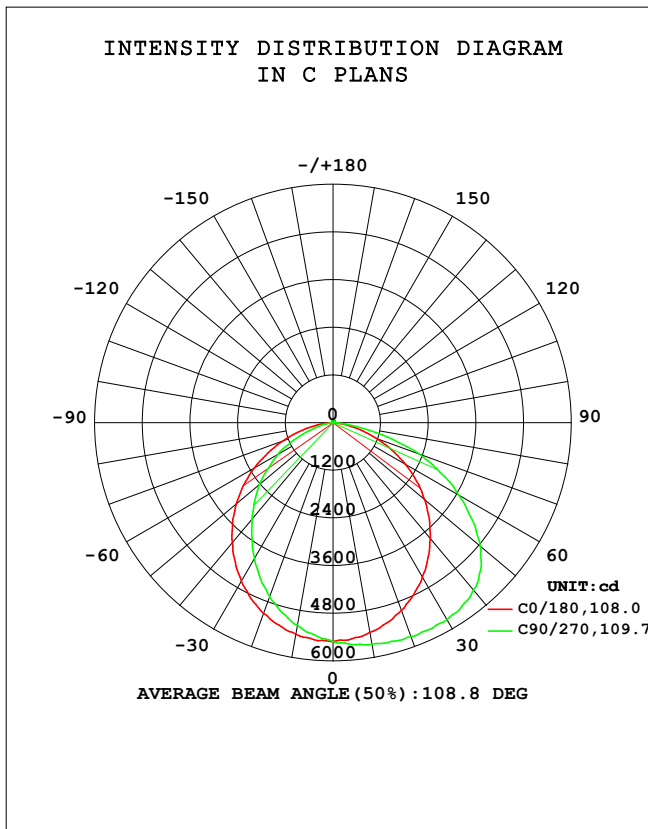


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.79 lm/W			
MODEL		I _{max} (cd)	5750	η street_up (%)	0.5
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	58.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	15963	η house_up (%)	0.6
NOMINAL FLUX (lm)	15963.5	MAXIMUM @ (C, γ)	90, 26.0	η house_down (%)	40.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

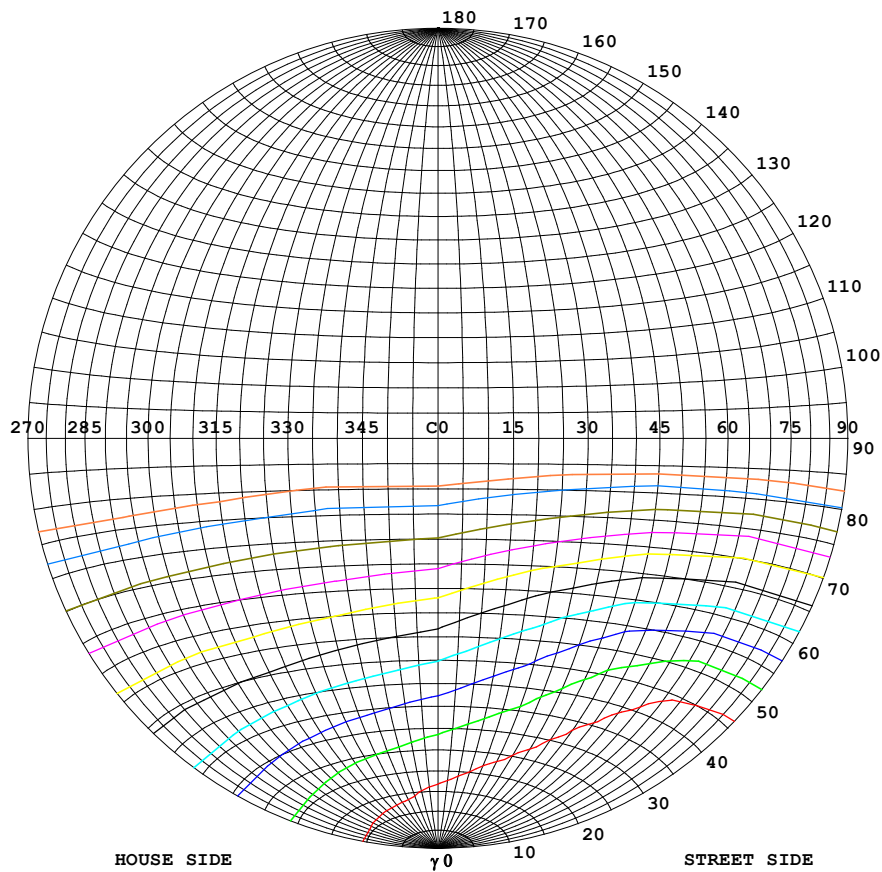


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

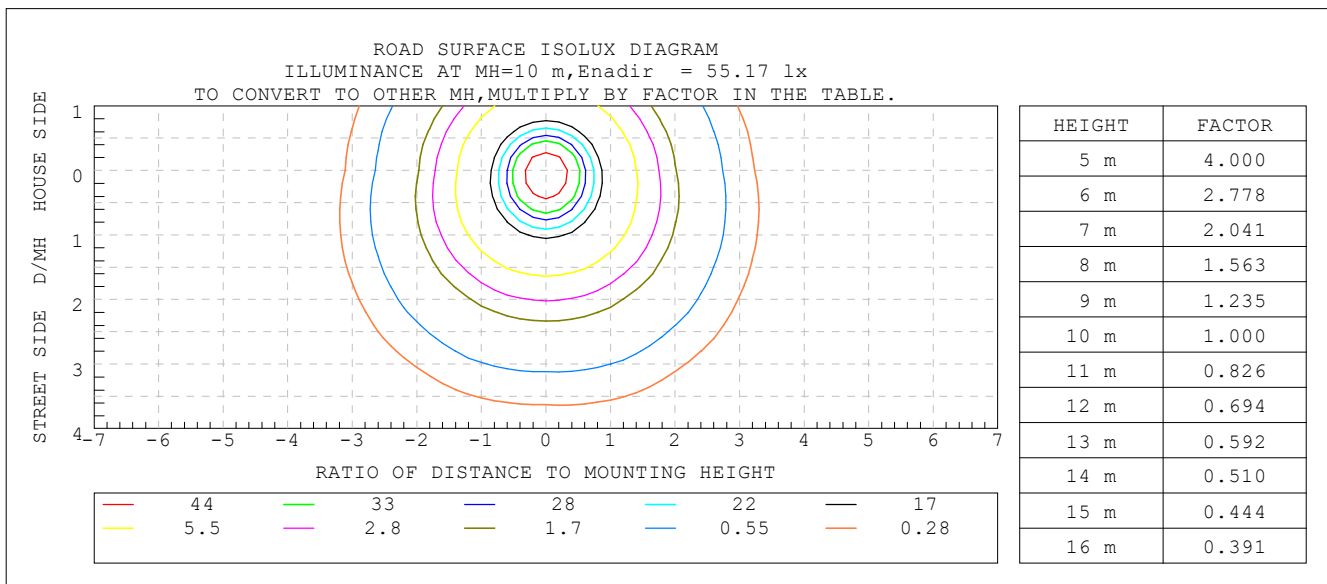
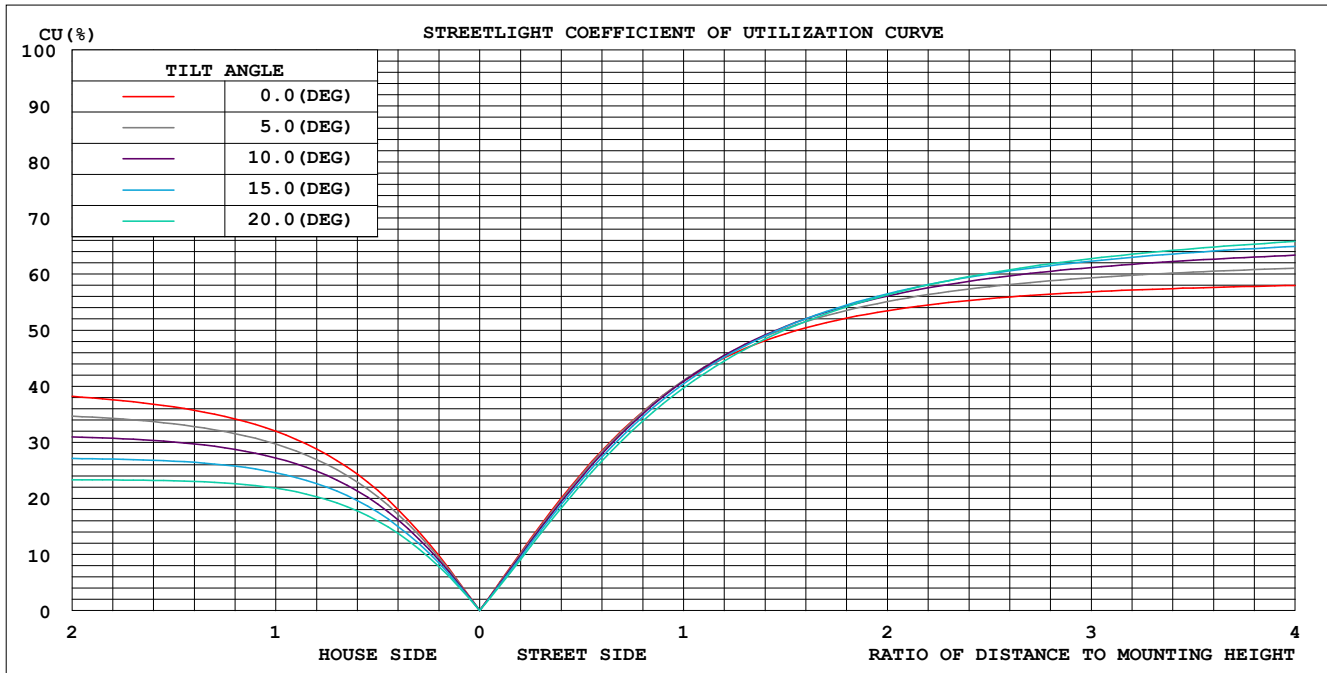
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:54.11cd/klm
Max.At90:0.6879cd/klm
Max.80-90:54.11cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5750
90%	5175
80%	4600
70%	4025
60%	3450
50%	2875
40%	2300
30%	1725
20%	1150
10%	575
5%	287

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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

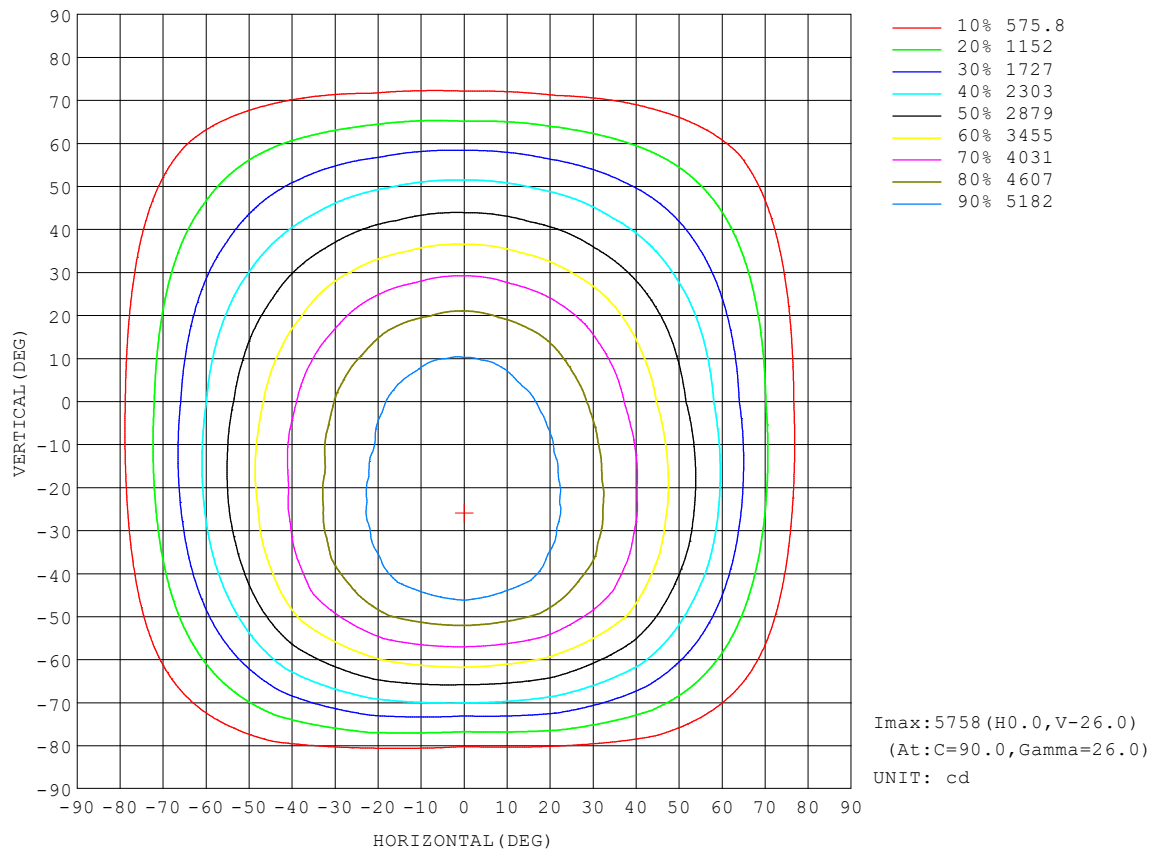
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5359	5564	5666	5590	5408	5246	5179	5244	0- 10	521.1	521.1	3.26,3.26
20	5039	5469	5733	5484	5110	4810	4670	4777	10- 20	1495	2016	12.6,12.6
30	4495	5258	5733	5290	4617	4147	3951	4111	20- 30	2276	4292	26.9,26.9
40	3817	4893	5494	4937	3947	3393	3175	3342	30- 40	2773	7064	44.3,44.3
50	3014	4324	4846	4384	3179	2572	2416	2510	40- 50	2921	9985	62.6,62.6
60	2108	3373	3652	3486	2291	1781	1608	1726	50- 60	2659	12645	79.2,79.2
70	1165	2117	2316	2242	1345	1012	726.0	942.9	60- 70	1983	14628	91.6,91.6
80	322.4	748.6	602.3	863.8	481.2	250.3	140.1	196.6	70- 80	1008	15635	97.9,97.9
90	7.597	5.543	5.403	6.237	8.044	9.917	10.79	10.41	80- 90	153.8	15789	98.9,98.9
100	13.16	9.687	8.345	9.229	11.84	16.84	18.64	17.23	90-100	11.18	15800	99,99
110	20.01	15.12	13.39	14.47	18.28	24.55	27.13	24.76	100-110	17.27	15818	99.1,99.1
120	27.50	21.53	19.51	20.74	25.77	32.81	35.74	32.62	110-120	23.09	15841	99.2,99.2
130	34.63	28.32	26.12	27.33	32.97	40.39	43.11	39.80	120-130	27.38	15868	99.4,99.4
140	40.41	34.59	32.35	33.26	39.17	46.04	48.03	44.61	130-140	28.56	15897	99.6,99.6
150	45.20	40.45	38.19	38.80	44.13	49.79	51.08	47.83	140-150	26.38	15923	99.7,99.7
160	49.62	45.72	43.65	43.79	48.36	52.37	52.68	50.18	150-160	21.35	15944	99.9,99.9
170	53.53	50.96	49.22	49.27	52.91	54.34	53.64	51.96	160-170	14.12	15958	100,100
180	55.64	54.49	53.48	52.50	55.48	54.83	53.66	52.60	170-180	5.036	15963	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

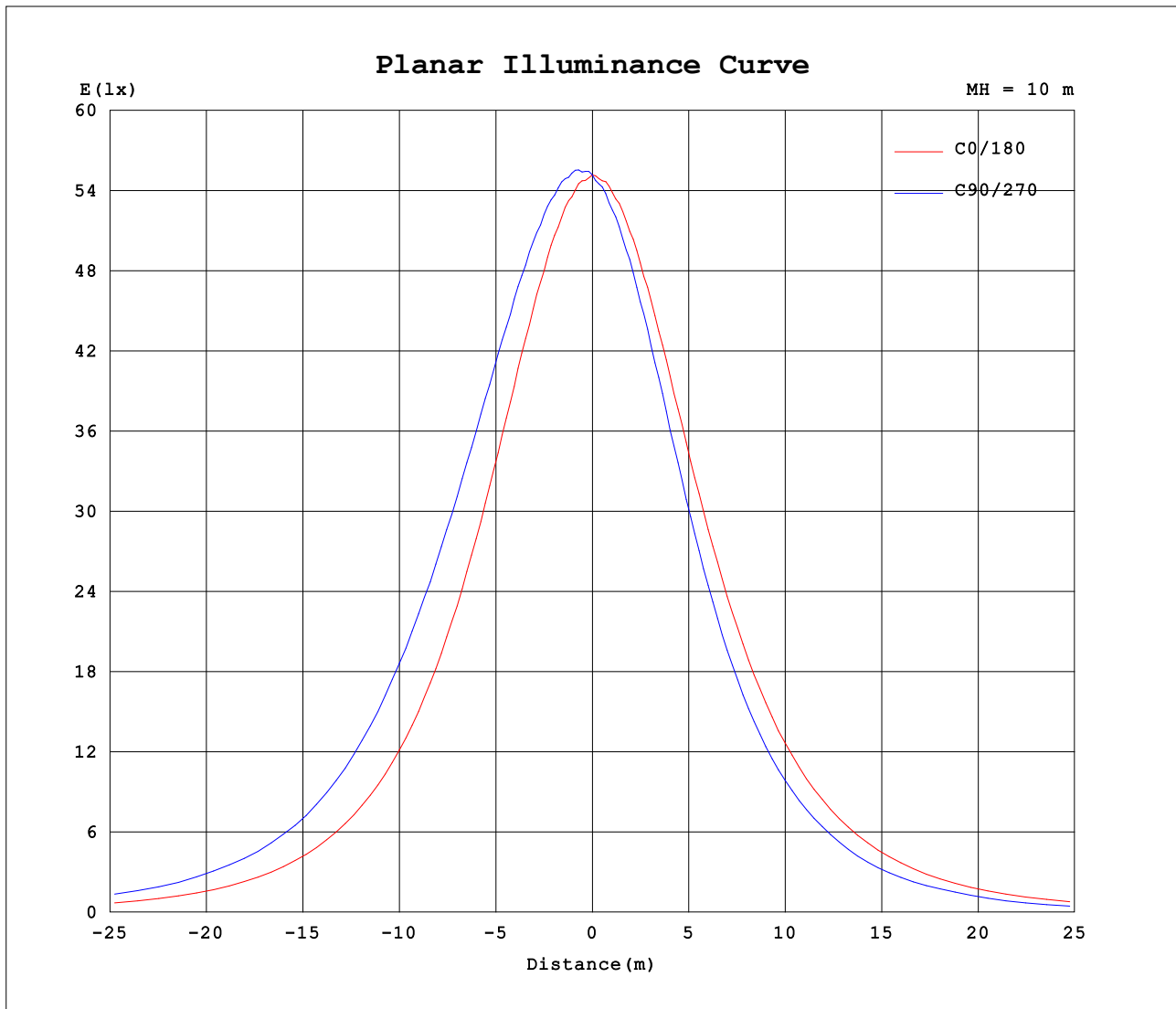
Test:U:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



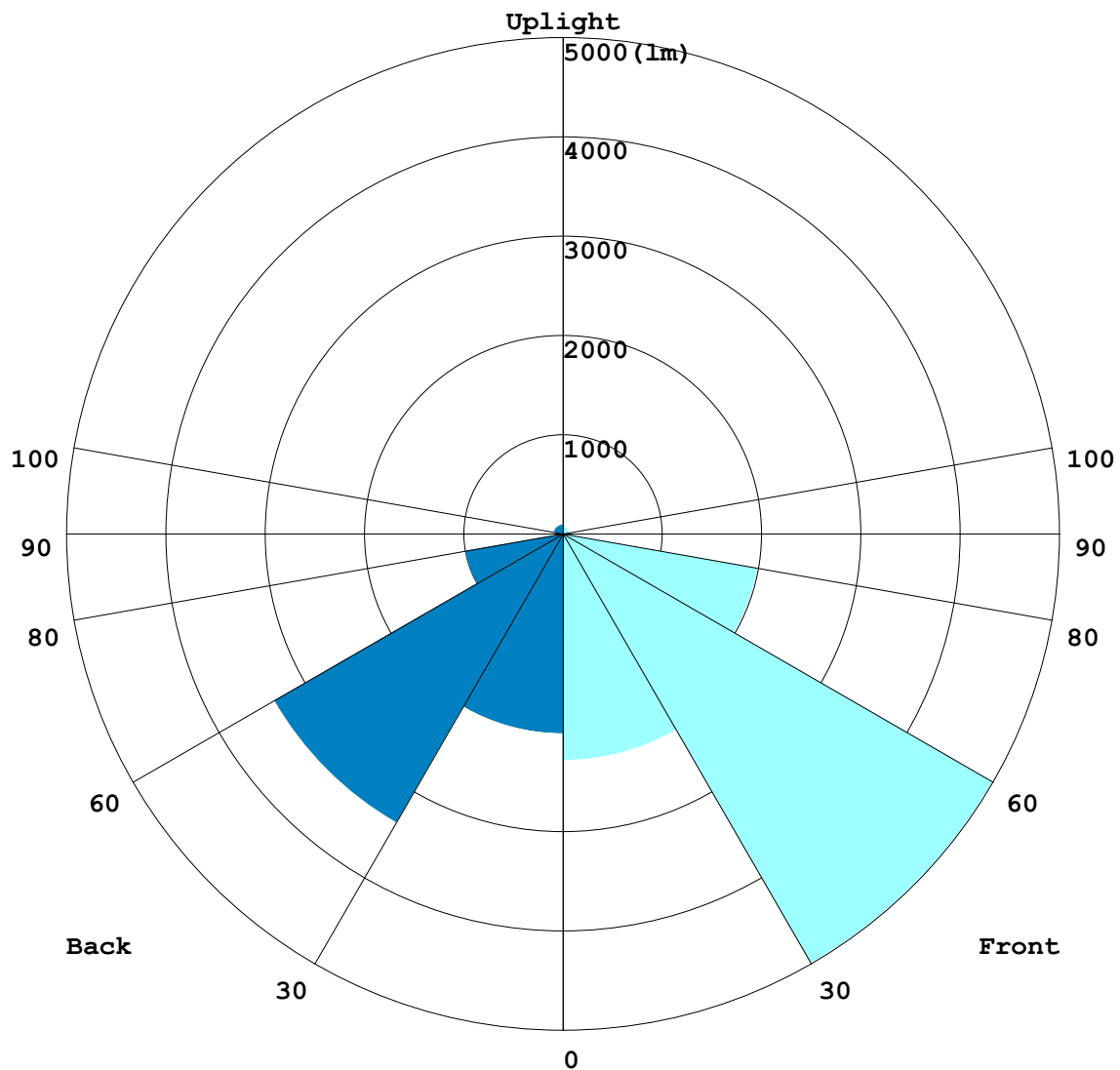
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 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)	2281.3	14.3
FM - Front-Medium(30-60)	4993.2	31.3
FH - Front-High(60-80)	1988.5	12.5
FVH - Front-Very High(80-90)	110.72	0.7
Total Forward Light	9448.2	59.2

BL - Back-Low(0-30)	2010.4	12.6
BM - Back-Medium(30-60)	3359.8	21.0
BH - Back-High(60-80)	1002.1	6.3
BVH - Back-Very High(80-90)	43.067	0.3
Total Back Light	6515.2	40.8

UL - Uplight-Low(90-100)	11.175	0.1
UH - Uplight-High(100-180)	163.2	1.0
Total Up Light	174.38	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6415.4	99.859	6515.2
Street Side	9373.7	74.518	9448.2

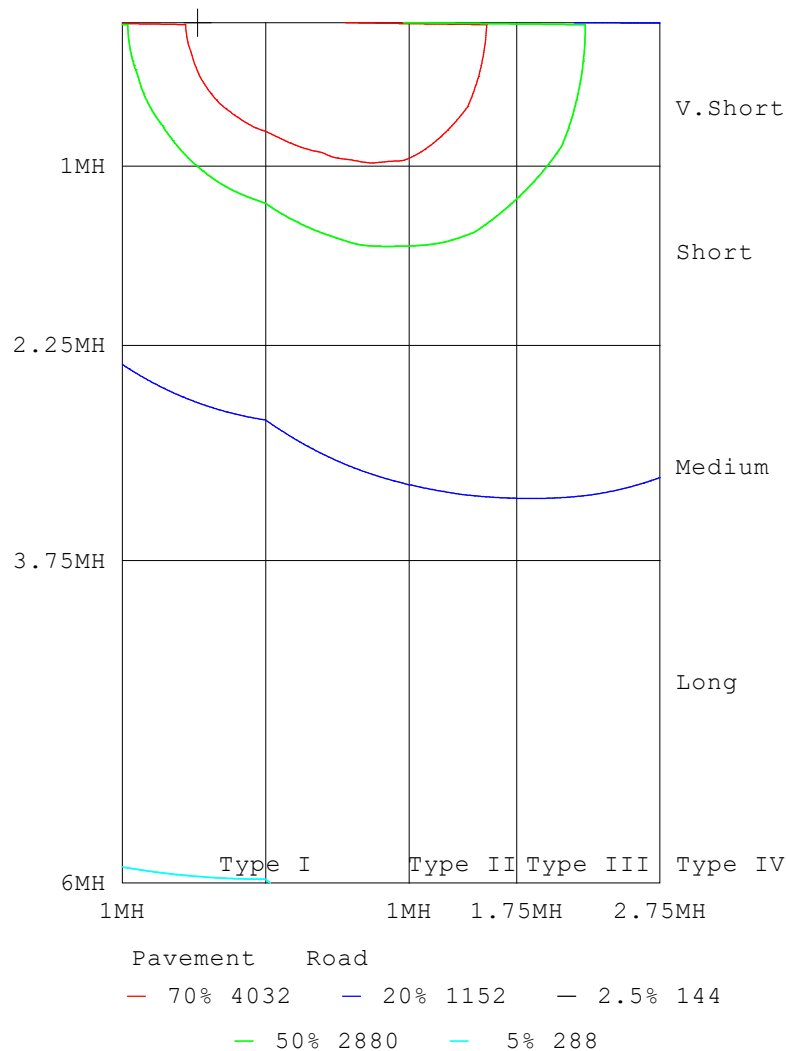
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 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:275.42V I:0.3504A P:95.708W PF:0.9918 Freq:60.00Hz Lamp Flux:15963.5x1 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	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509	5509			
5	5460	5537	5563	5604	5608	5608	5574	5526	5489	5438	5398	5372	5363	5368	5390	5417			
10	5359	5492	5564	5651	5666	5657	5590	5487	5408	5335	5246	5207	5179	5201	5244	5289			
15	5225	5395	5525	5664	5699	5674	5550	5391	5272	5171	5060	4985	4960	4973	5046	5124			
20	5039	5248	5469	5661	5733	5668	5484	5267	5110	4946	4810	4701	4670	4688	4777	4900			
25	4796	5077	5381	5655	5748	5661	5407	5108	4892	4665	4506	4366	4335	4343	4464	4617			
30	4495	4870	5258	5615	5733	5624	5290	4890	4617	4355	4147	3995	3951	3974	4111	4290			
35	4167	4608	5092	5530	5653	5540	5140	4632	4293	4017	3778	3615	3561	3595	3740	3943			
40	3817	4312	4893	5357	5494	5379	4937	4343	3947	3644	3393	3222	3175	3192	3342	3565			
45	3429	3987	4642	5122	5260	5148	4688	4038	3583	3233	2985	2827	2792	2802	2927	3162			
50	3014	3646	4324	4767	4846	4809	4384	3706	3179	2820	2572	2440	2416	2410	2510	2741			
55	2572	3256	3912	4253	4281	4306	3991	3323	2753	2401	2170	2062	1981	2028	2101	2315			
60	2108	2795	3373	3639	3652	3699	3486	2870	2291	1980	1781	1649	1608	1621	1726	1894			
65	1633	2245	2763	3005	2980	3068	2885	2355	1806	1553	1380	1269	1156	1222	1315	1467			
70	1165	1659	2117	2310	2316	2384	2242	1782	1345	1146	1012	806	726	768	943	1064			
75	710	1079	1421	1511	1428	1593	1532	1205	892	757	588	434	387	401	511	670			
80	322	547	749	688	602	773	864	674	481	409	250	160	140	138	197	321			
85	55.5	118	117	92.1	100	129	214	207	142	104	33.8	12.6	10.4	10.7	14.6	58.5			
90	7.60	6.24	5.54	5.46	5.40	5.87	6.24	6.80	8.04	8.70	9.92	10.7	10.8	11.0	10.4	8.92			
95	10.2	8.47	7.37	6.56	6.23	6.36	6.98	7.90	9.07	11.3	13.3	14.3	14.6	14.6	13.7	11.8			
100	13.2	11.1	9.69	8.76	8.35	8.53	9.23	10.3	11.8	14.6	16.8	18.3	18.6	18.5	17.2	14.9			
105	16.4	13.9	12.3	11.2	10.8	11.0	11.7	13.0	15.0	18.1	20.6	22.4	22.9	22.5	20.9	18.3			
110	20.0	17.0	15.1	13.9	13.4	13.6	14.5	16.0	18.3	21.9	24.6	26.5	27.1	26.6	24.8	22.0			
115	23.7	20.3	18.2	16.9	16.4	16.5	17.5	19.2	22.0	25.9	28.7	30.8	31.5	30.8	28.7	25.8			
120	27.5	23.9	21.5	20.1	19.5	19.6	20.7	22.6	25.8	29.9	32.8	35.0	35.7	34.9	32.6	29.7			
125	31.1	27.5	25.0	23.5	22.8	23.0	24.1	26.0	29.5	33.8	36.8	38.9	39.7	38.8	36.4	33.1			
130	34.6	30.9	28.3	26.8	26.1	26.2	27.3	29.3	33.0	37.5	40.4	42.4	43.1	42.2	39.8	36.4			
135	37.7	34.0	31.5	29.9	29.3	29.2	30.3	32.3	36.2	40.6	43.6	45.3	45.9	44.9	42.6	39.1			
140	40.4	37.1	34.6	33.1	32.4	32.3	33.3	35.2	39.2	43.2	46.0	47.5	48.0	47.0	44.6	41.3			
145	42.8	39.9	37.4	36.0	35.1	35.1	36.0	37.7	41.6	45.7	48.1	49.7	50.0	49.0	46.6	43.4			
150	45.2	42.7	40.4	39.0	38.2	38.1	38.8	40.3	44.1	47.5	49.8	50.8	51.1	49.9	47.8	45.1			
155	47.4	45.2	43.1	41.7	41.0	40.7	41.2	42.6	46.2	49.4	51.2	51.9	52.0	50.9	49.1	46.7			
160	49.6	47.9	45.7	44.5	43.6	43.5	43.8	44.9	48.4	51.0	52.4	52.8	52.7	51.6	50.2	48.1			
165	51.8	50.3	48.5	47.1	46.4	46.2	46.4	47.2	50.6	52.6	53.5	53.5	53.3	52.4	51.2	49.6			
170	53.5	52.7	51.0	50.1	49.2	49.2	49.3	49.7	52.9	53.9	54.3	54.0	53.6	52.8	52.0	50.8			
175	55.0	54.5	52.8	52.4	51.4	51.5	51.1	51.2	54.6	55.3	55.2	54.7	54.0	53.5	52.8	52.2			
180	55.6	55.3	54.5	54.5	53.5	53.4	52.5	52.3	55.5	55.3	54.8	54.2	53.7	53.2	52.6	52.4			

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: