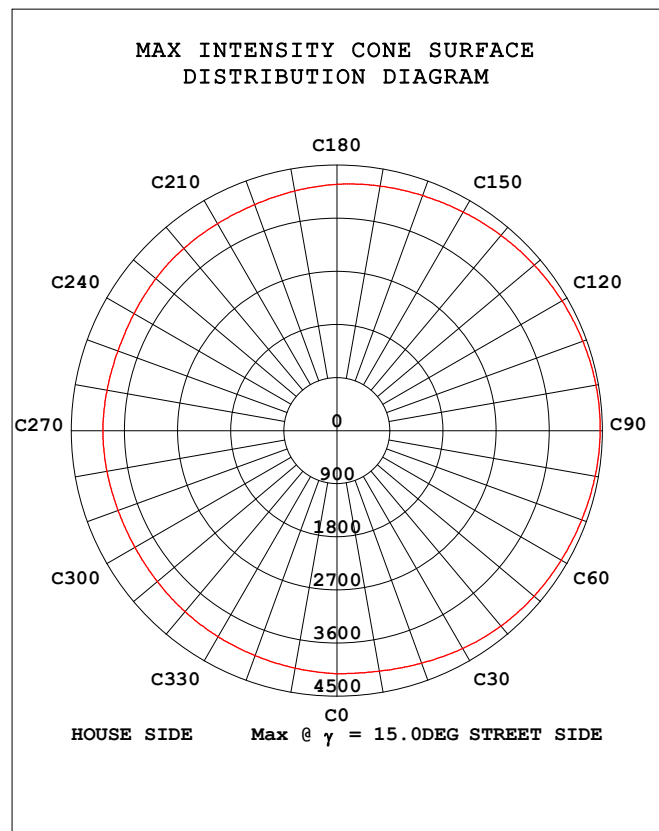
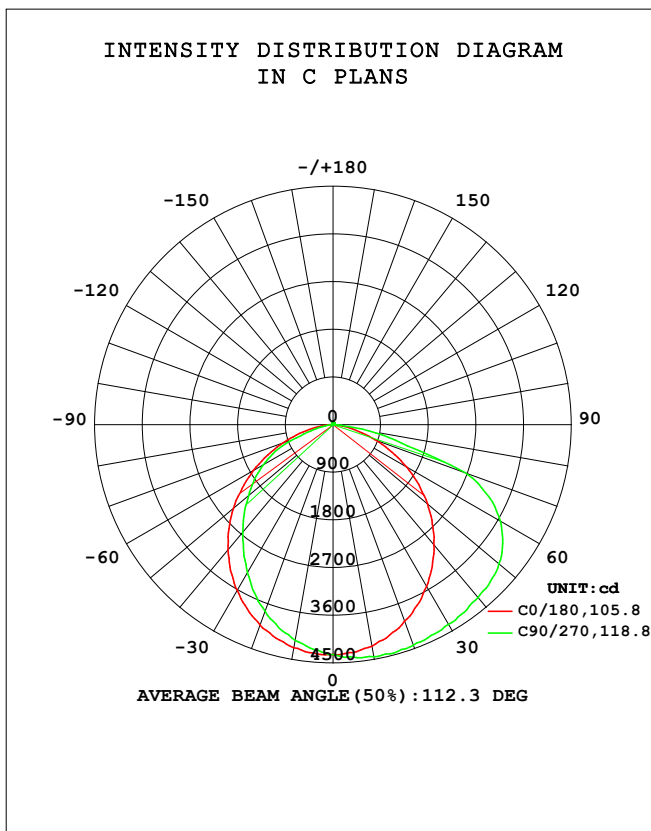


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.14 lm/W			
MODEL		I _{max} (cd)	4461	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	57.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	12854	η house_up (%)	0.6
NOMINAL FLUX (lm)	12854.4	MAXIMUM @ (C, γ)	90, 15.0	η house_down (%)	41.0
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

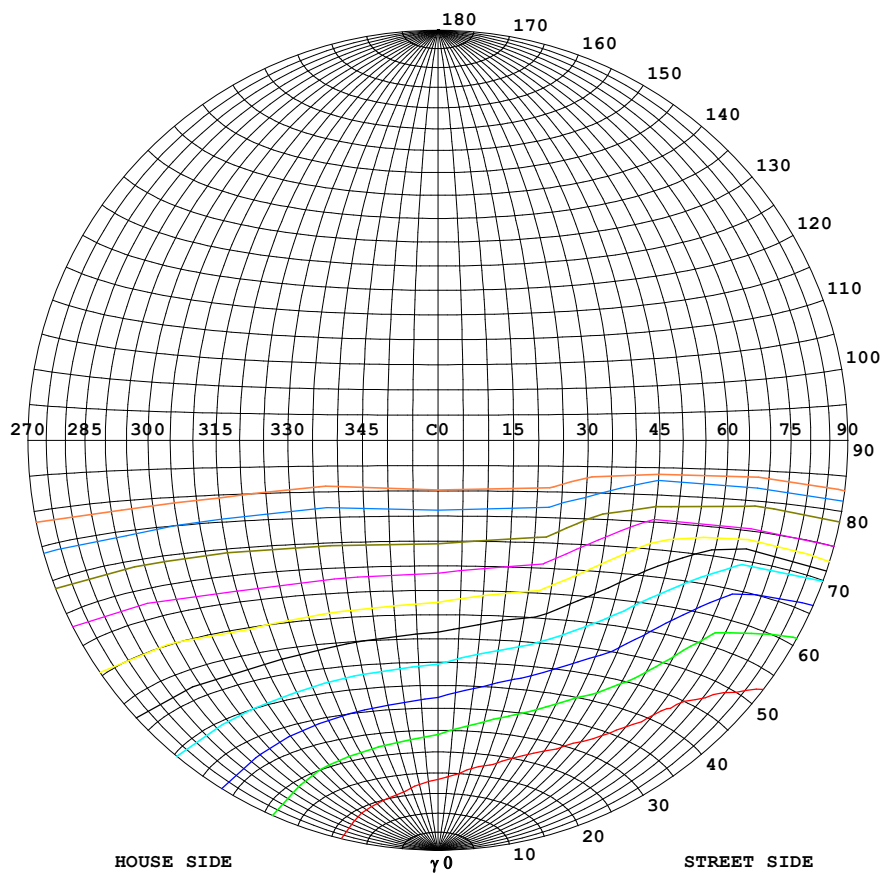


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

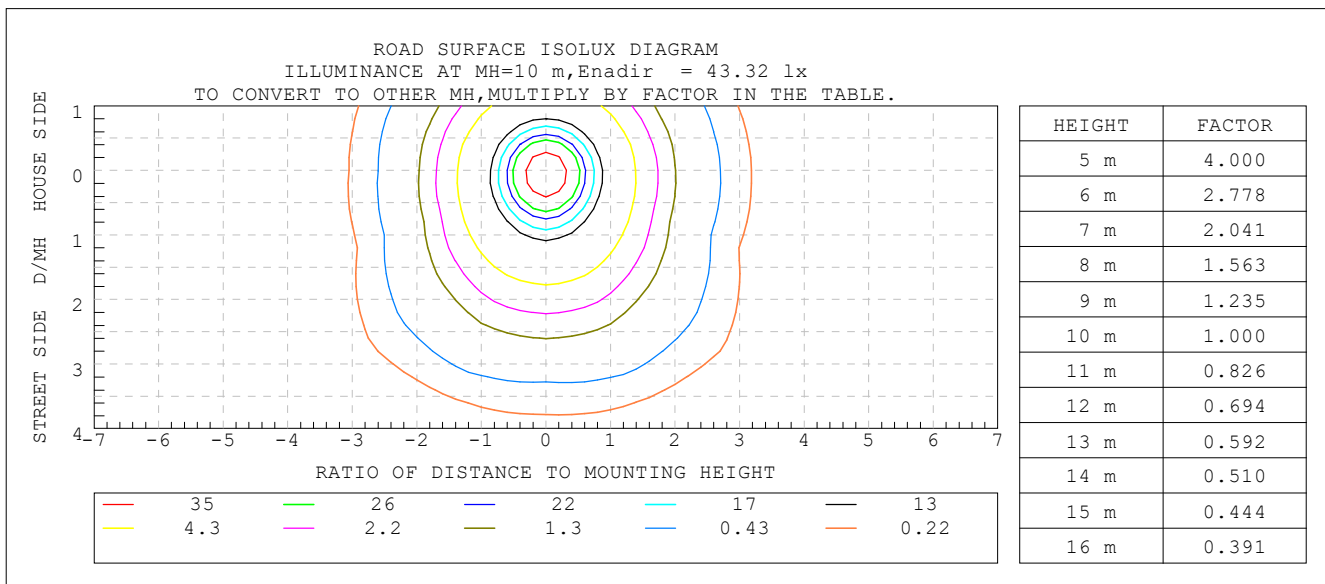
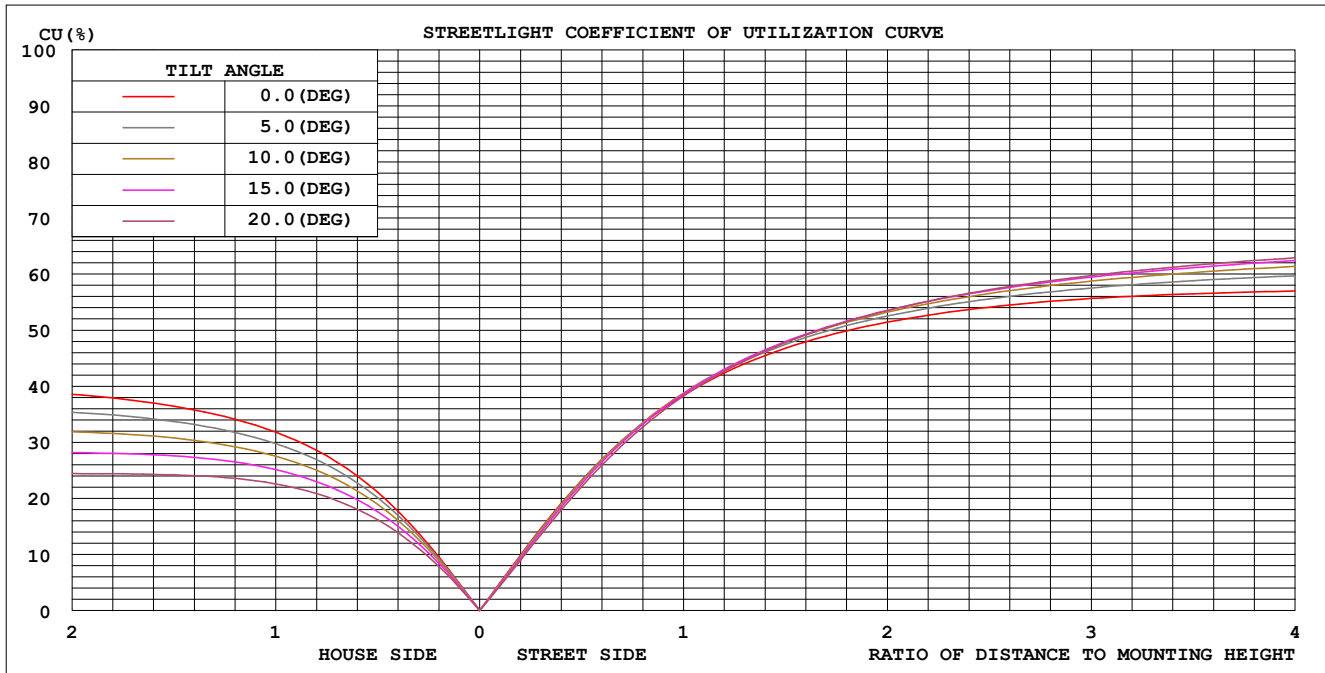
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.13cd/klm
Max.At90:0.8480cd/klm
Max.80-90:66.13cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4461
90%	4015
80%	3569
70%	3123
60%	2677
50%	2231
40%	1784
30%	1338
20%	892
10%	446
5%	223

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:

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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

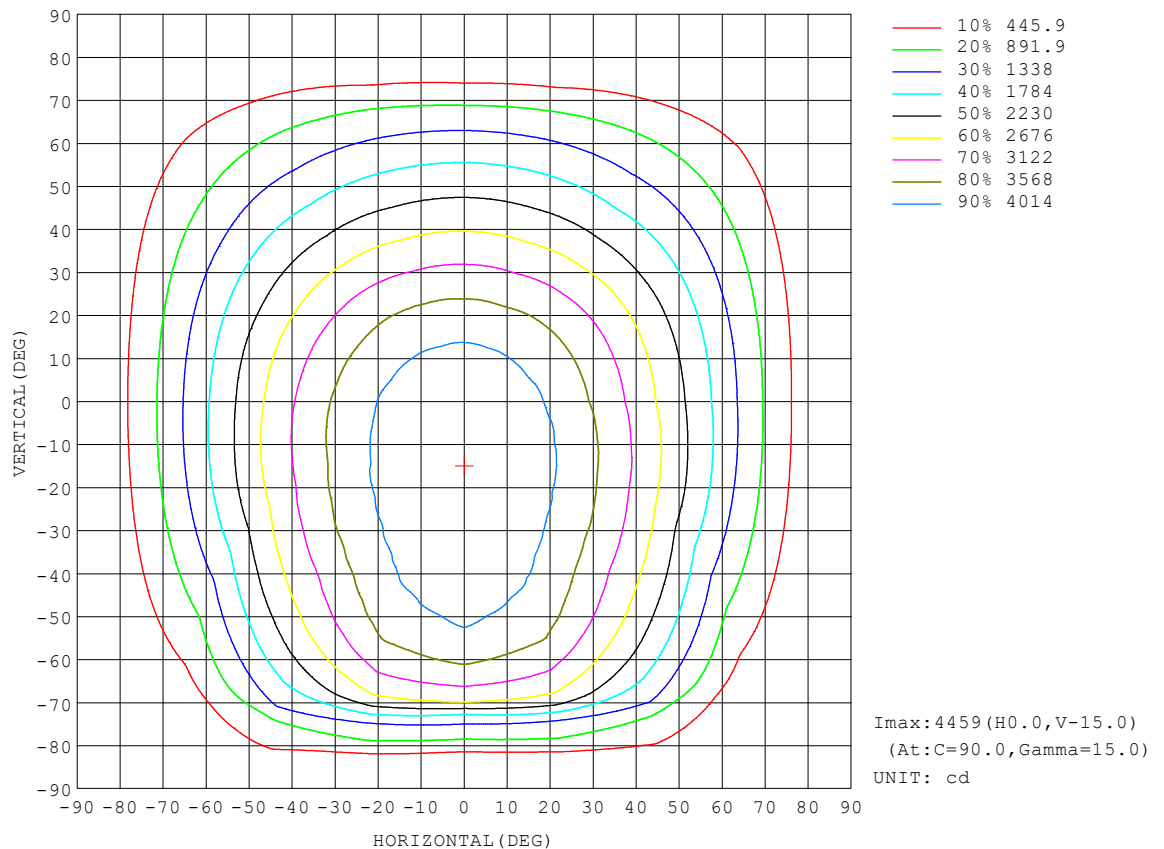
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	4245	4382	4451	4371	4275	4175	4135	4152	0- 10	410.6	410.6	3.19,3.19
20	3951	4258	4435	4275	4030	3835	3750	3802	10- 20	1177	1588	12.4,12.4
30	3532	4010	4357	4015	3616	3363	3237	3320	20- 30	1785	3373	26.2,26.2
40	2967	3655	4263	3678	3089	2769	2651	2713	30- 40	2165	5537	43.1,43.1
50	2328	3160	4087	3191	2453	2119	2081	2072	40- 50	2290	7827	60.9,60.9
60	1605	2637	3651	2670	1739	1511	1525	1457	50- 60	2151	9978	77.6,77.6
70	846.4	1876	2659	1941	997.9	903.7	734.0	848.8	60- 70	1720	11698	91,91
80	229.6	645.3	702.5	714.2	344.9	242.9	150.5	194.8	70- 80	882.6	12581	97.9,97.9
90	5.437	4.714	4.978	5.372	5.809	8.057	10.90	8.795	80- 90	133.5	12714	98.9,98.9
100	9.600	8.141	7.731	8.058	8.614	13.45	17.82	14.32	90-100	9.448	12724	99,99
110	14.70	12.46	12.00	12.48	13.57	19.29	24.23	20.05	100-110	14.28	12738	99.1,99.1
120	20.49	17.43	16.82	17.55	19.19	25.60	30.39	26.51	110-120	18.74	12757	99.2,99.2
130	26.06	22.73	22.19	22.93	24.92	31.65	35.78	31.88	120-130	22.02	12779	99.4,99.4
140	30.56	27.34	26.85	27.61	29.62	35.72	38.72	35.51	130-140	22.74	12802	99.6,99.6
150	34.47	31.73	31.31	31.87	33.63	38.08	40.74	38.11	140-150	20.88	12823	99.8,99.8
160	37.95	35.88	35.61	35.89	37.34	39.68	41.54	39.81	150-160	16.83	12839	99.9,99.9
170	41.25	39.57	39.55	39.83	40.73	41.27	42.19	41.65	160-170	11.09	12850	100,100
180	42.62	42.05	42.63	42.45	42.79	41.87	42.47	42.40	170-180	3.951	12854	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

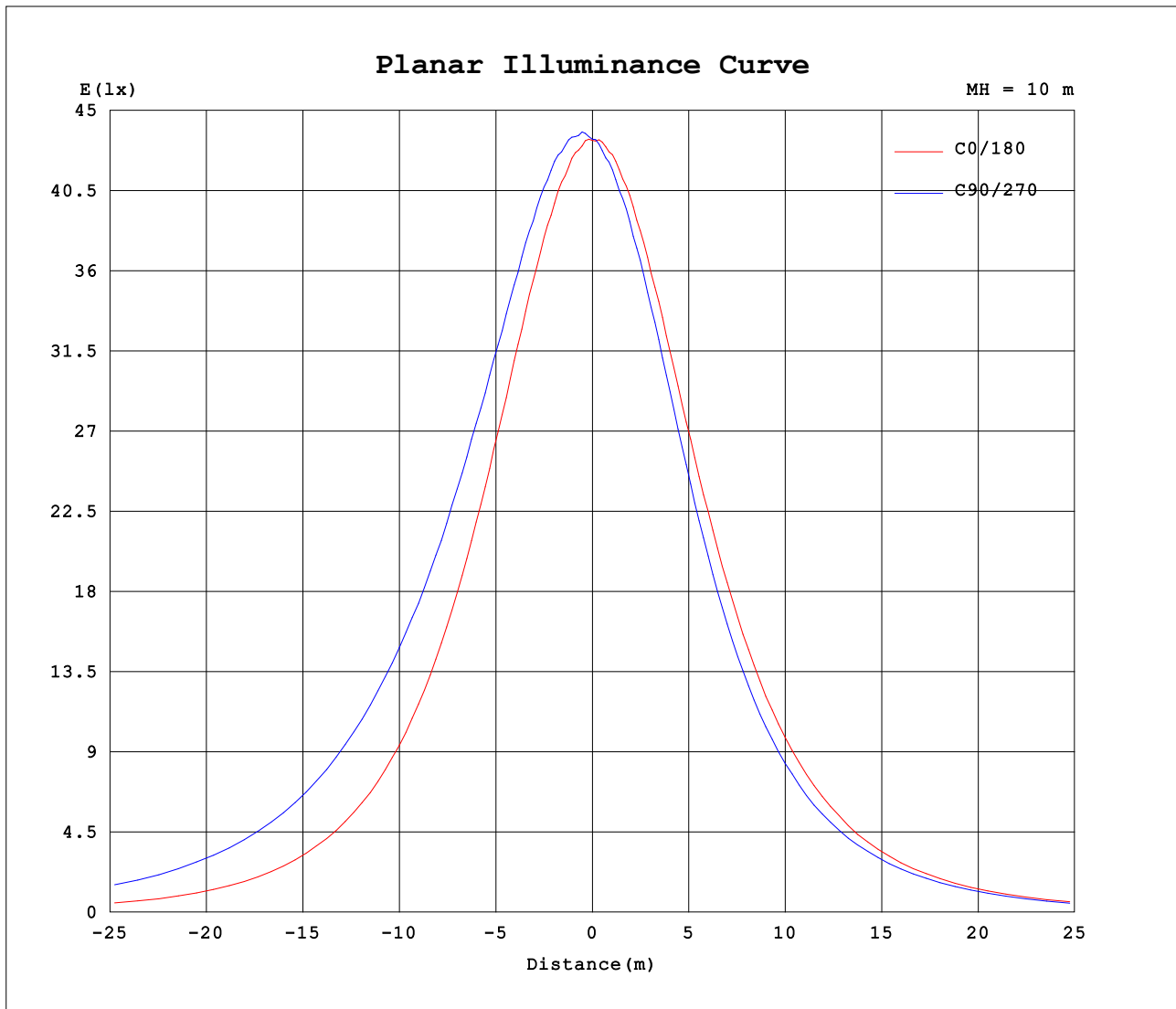
Test:U:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



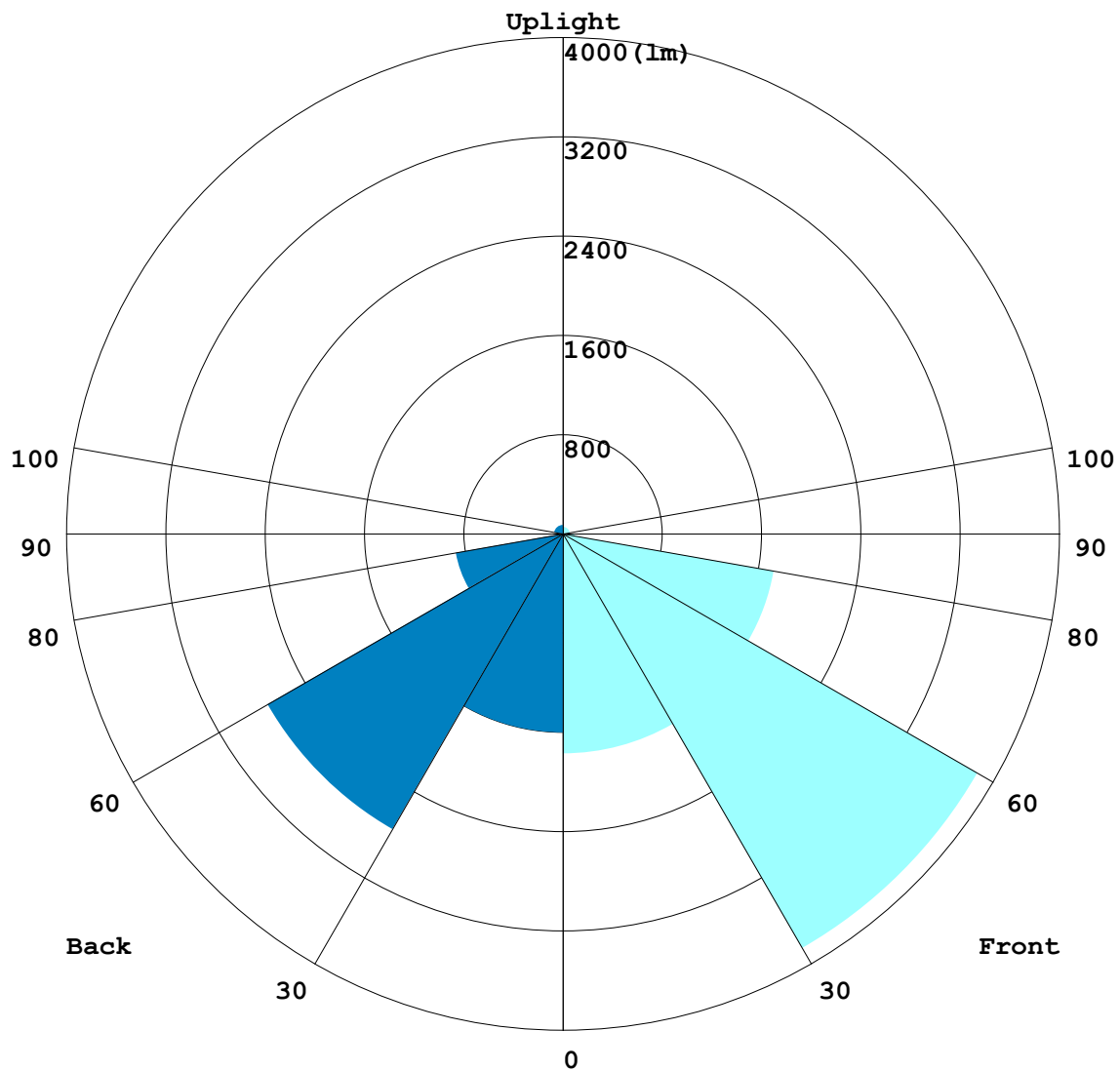
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 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)	1771.2	13.8
FM - Front-Medium(30-60)	3855.7	30.0
FH - Front-High(60-80)	1725.3	13.4
FVH - Front-Very High(80-90)	95.099	0.7
Total Forward Light	7507.5	58.4

BL - Back-Low(0-30)	1601.4	12.5
BM - Back-Medium(30-60)	2750.2	21.4
BH - Back-High(60-80)	877.27	6.8
BVH - Back-Very High(80-90)	38.363	0.3
Total Back Light	5346.9	41.6

UL - Uplight-Low(90-100)	9.4481	0.1
UH - Uplight-High(100-180)	130.54	1.0
Total Up Light	139.99	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5267.2	79.738	5346.9
Street Side	7447.2	60.247	7507.5

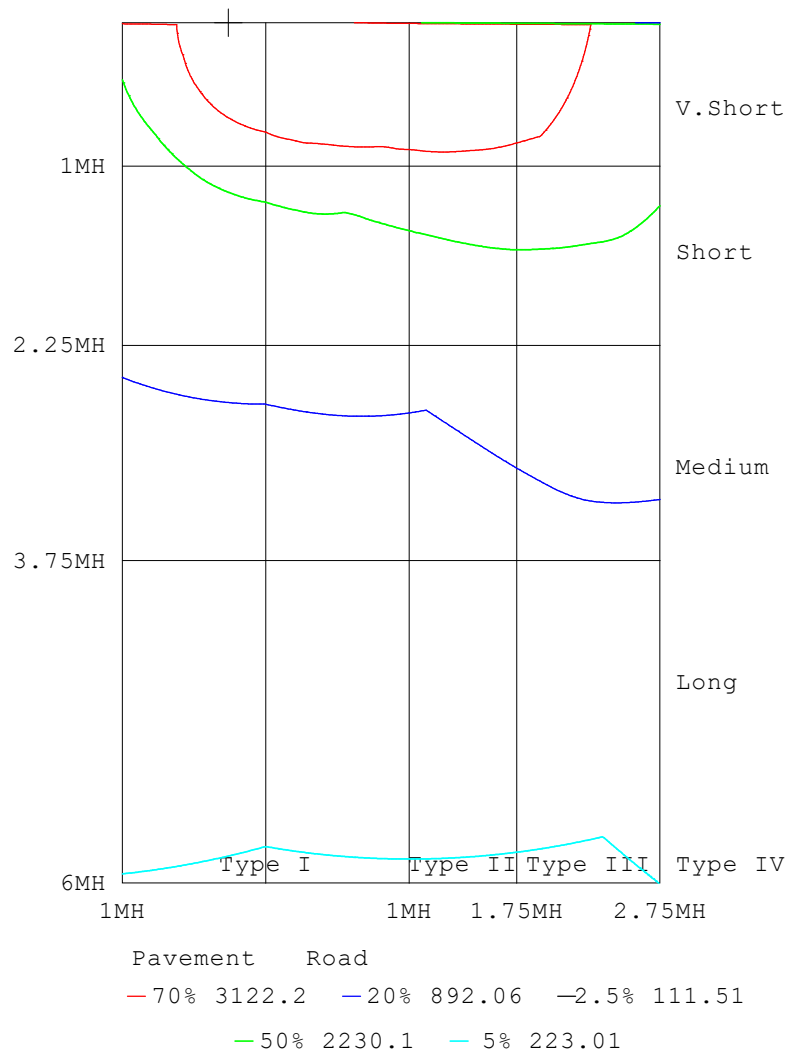
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 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:275.51V I:0.3060A P:83.393W PF:0.9891 Freq:60.00Hz Lamp Flux:12854.4x1 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	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340			
5	4319	4342	4380	4390	4404	4386	4367	4339	4324	4282	4278	4252	4260	4250	4270	4291			
10	4245	4296	4382	4405	4451	4414	4371	4315	4275	4185	4175	4119	4135	4120	4152	4196			
15	4119	4208	4345	4407	4461	4428	4346	4250	4176	4069	4026	3952	3967	3948	3991	4049			
20	3951	4096	4258	4382	4435	4391	4275	4131	4030	3901	3835	3762	3750	3747	3802	3865			
25	3760	3944	4139	4318	4388	4328	4160	3969	3834	3703	3609	3528	3509	3512	3587	3669			
30	3532	3746	4010	4241	4357	4246	4015	3777	3616	3451	3363	3252	3237	3239	3320	3427			
35	3270	3505	3847	4160	4324	4180	3861	3561	3375	3183	3079	2950	2945	2938	3027	3156			
40	2967	3241	3655	4067	4263	4084	3678	3306	3089	2904	2769	2656	2651	2633	2713	2852			
45	2653	2953	3406	3973	4201	3984	3449	3015	2783	2592	2450	2370	2367	2350	2401	2533			
50	2328	2626	3160	3849	4087	3861	3191	2691	2453	2266	2119	2087	2081	2065	2072	2212			
55	1979	2235	2920	3659	3913	3677	2944	2330	2096	1926	1816	1807	1815	1788	1763	1874			
60	1605	1825	2637	3401	3651	3431	2670	1916	1739	1591	1511	1514	1525	1490	1457	1532			
65	1221	1403	2290	3064	3264	3104	2337	1495	1366	1252	1210	1210	1200	1179	1153	1186			
70	846	986	1876	2599	2659	2651	1941	1075	998	922	904	852	734	800	849	858			
75	514	586	1400	1374	1338	1484	1480	672	651	617	586	423	389	396	490	556			
80	230	262	645	782	703	850	714	334	345	341	243	173	151	149	195	282			
85	33.4	48.8	113	88.0	111	149	171	81.1	101	91.6	39.6	13.3	11.5	11.1	14.0	44.7			
90	5.44	4.88	4.71	4.87	4.98	5.19	5.37	5.57	5.81	6.27	8.06	10.1	10.9	10.6	8.80	6.75			
95	7.36	6.60	6.25	5.91	5.87	5.83	6.17	6.54	6.50	8.20	10.7	13.3	14.3	13.8	11.5	9.00			
100	9.60	8.55	8.14	7.72	7.73	7.66	8.06	8.56	8.61	10.6	13.5	16.5	17.8	16.9	14.3	11.5			
105	12.1	10.7	10.2	9.76	9.77	9.75	10.2	10.8	11.0	13.3	16.3	19.6	21.2	20.0	17.1	14.3			
110	14.7	13.1	12.5	12.0	12.0	12.0	12.5	13.3	13.6	16.3	19.3	22.5	24.2	22.9	20.0	17.1			
115	17.5	15.7	14.8	14.3	14.3	14.4	15.0	15.9	16.3	19.3	22.4	25.7	27.2	26.0	23.2	20.2			
120	20.5	18.4	17.4	16.8	16.8	16.9	17.6	18.6	19.2	22.5	25.6	28.9	30.4	29.3	26.5	23.3			
125	23.4	21.1	20.2	19.4	19.5	19.5	20.2	21.4	22.1	25.4	28.8	31.9	33.5	32.3	29.5	26.2			
130	26.1	23.7	22.7	22.0	22.2	22.1	22.9	24.1	24.9	28.1	31.6	34.3	35.8	34.6	31.9	28.7			
135	28.4	26.1	25.1	24.4	24.6	24.5	25.3	26.6	27.4	30.6	33.9	36.3	37.4	36.3	33.7	30.8			
140	30.6	28.4	27.3	26.6	26.8	26.8	27.6	28.8	29.6	32.5	35.7	38.1	38.7	37.8	35.5	32.7			
145	32.6	30.5	29.6	28.8	29.2	29.0	29.8	31.0	31.8	34.2	37.2	39.4	40.1	39.0	36.9	34.4			
150	34.5	32.7	31.7	31.1	31.3	31.2	31.9	32.9	33.6	35.7	38.1	40.3	40.7	39.9	38.1	35.9			
155	36.2	34.6	33.8	33.1	33.6	33.3	33.9	34.9	35.6	37.1	38.9	40.7	41.1	40.4	38.9	37.1			
160	38.0	36.5	35.9	35.1	35.6	35.3	35.9	36.8	37.3	38.3	39.7	41.0	41.5	40.9	39.8	38.3			
165	39.6	38.5	37.8	37.1	37.6	37.4	38.0	38.7	39.1	39.6	40.5	41.5	41.8	41.4	40.6	39.5			
170	41.3	40.3	39.6	39.0	39.5	39.4	39.8	40.3	40.7	40.7	41.3	42.0	42.2	42.0	41.6	40.9			
175	42.3	41.5	41.0	40.6	41.3	41.0	41.4	41.5	42.3	41.9	42.1	42.5	42.6	42.5	42.3	41.8			
180	42.6	42.1	42.1	42.1	42.6	42.4	42.5	42.2	42.8	42.0	41.9	42.4	42.5	42.5	42.4	41.8			

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: