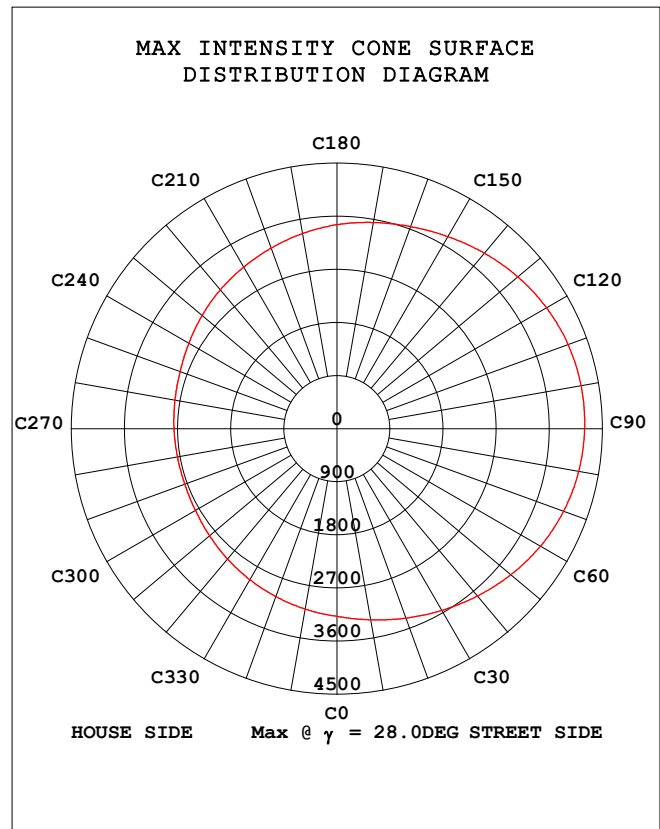
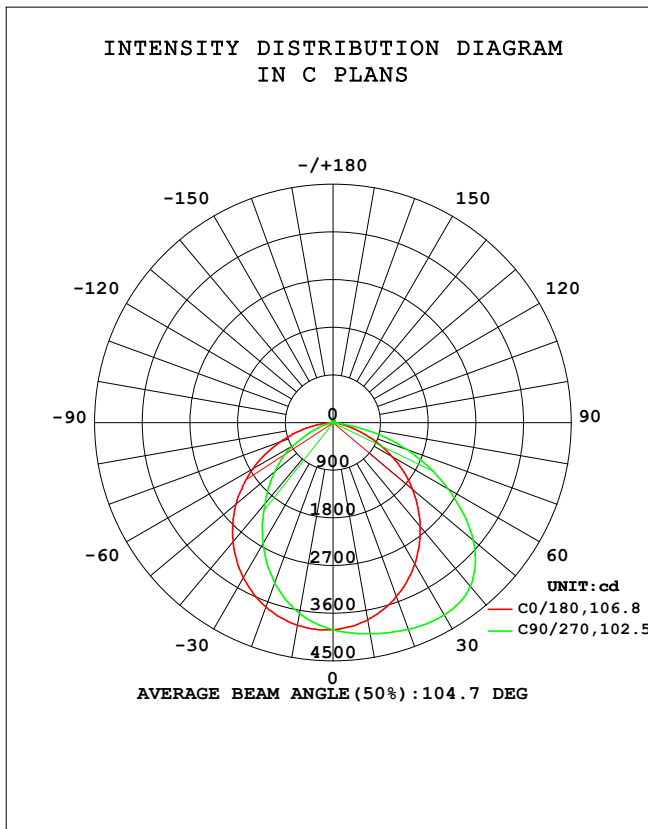


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.36 lm/W			
MODEL		Imax (cd)	4197	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	60.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	11000	η house_up (%)	0.7
NOMINAL FLUX (lm)	11000.5	MAXIMUM @ (C, γ)	90, 28.0	η house_down (%)	38.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

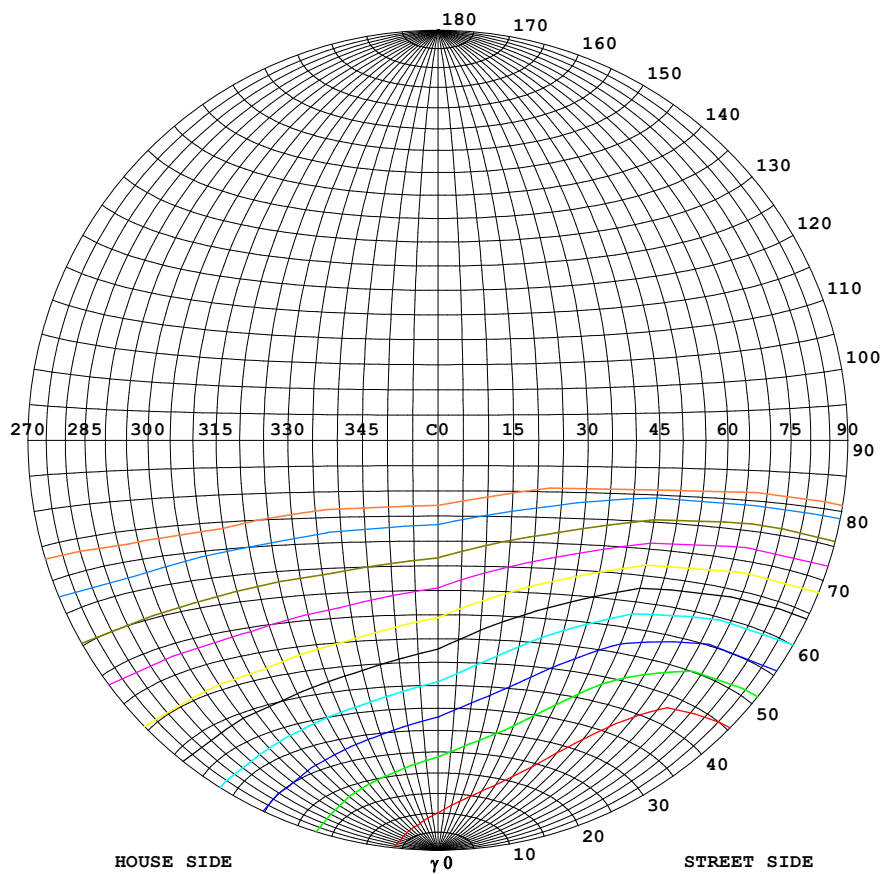


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

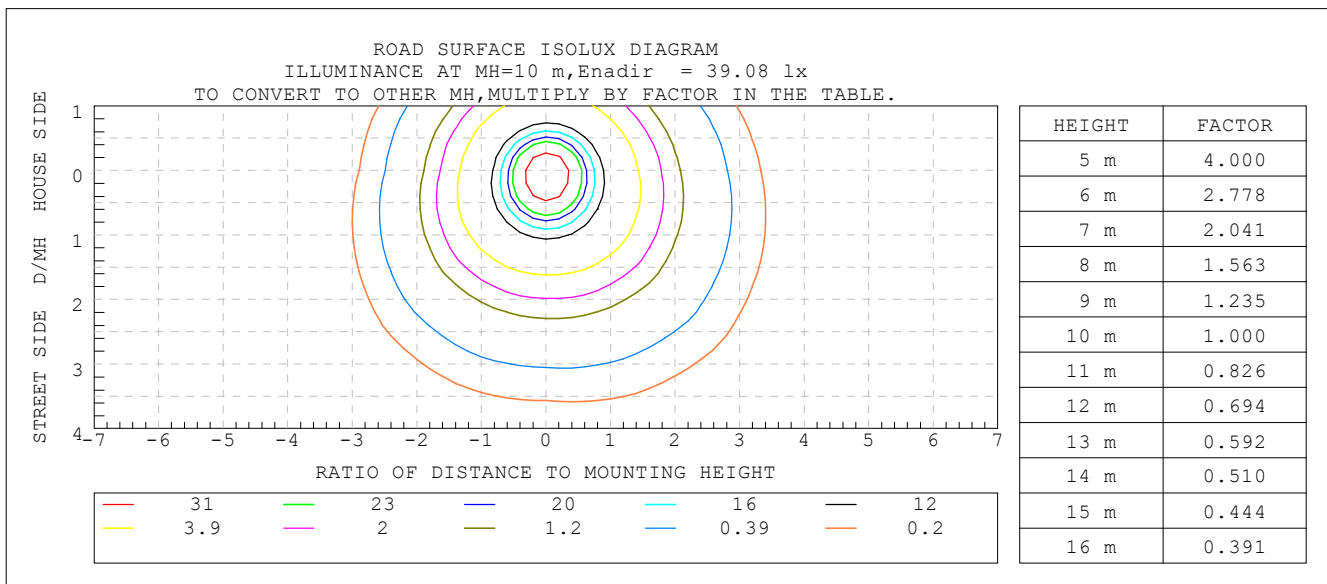
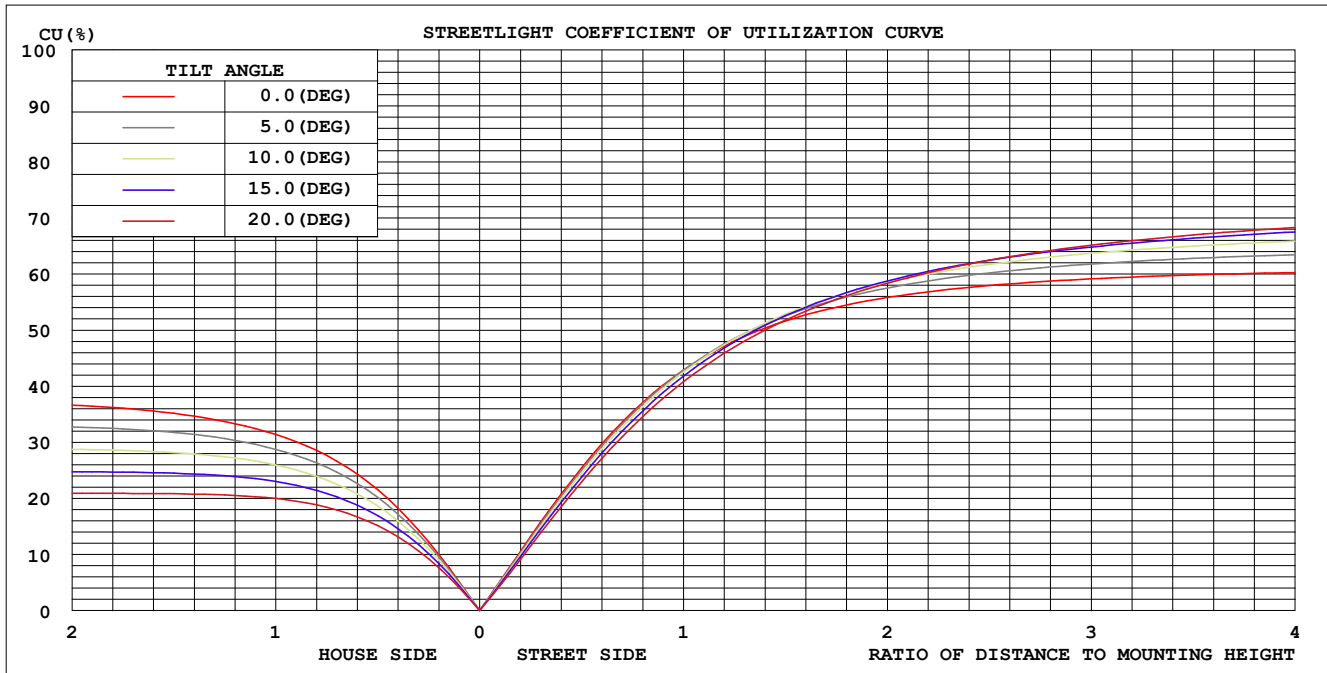
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:68.66cd/klm
Max.At90:0.7700cd/klm
Max.80-90:68.66cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4197
90%	3777
80%	3357
70%	2938
60%	2518
50%	2098
40%	1679
30%	1259
20%	839
10%	420
5%	210

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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: 2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

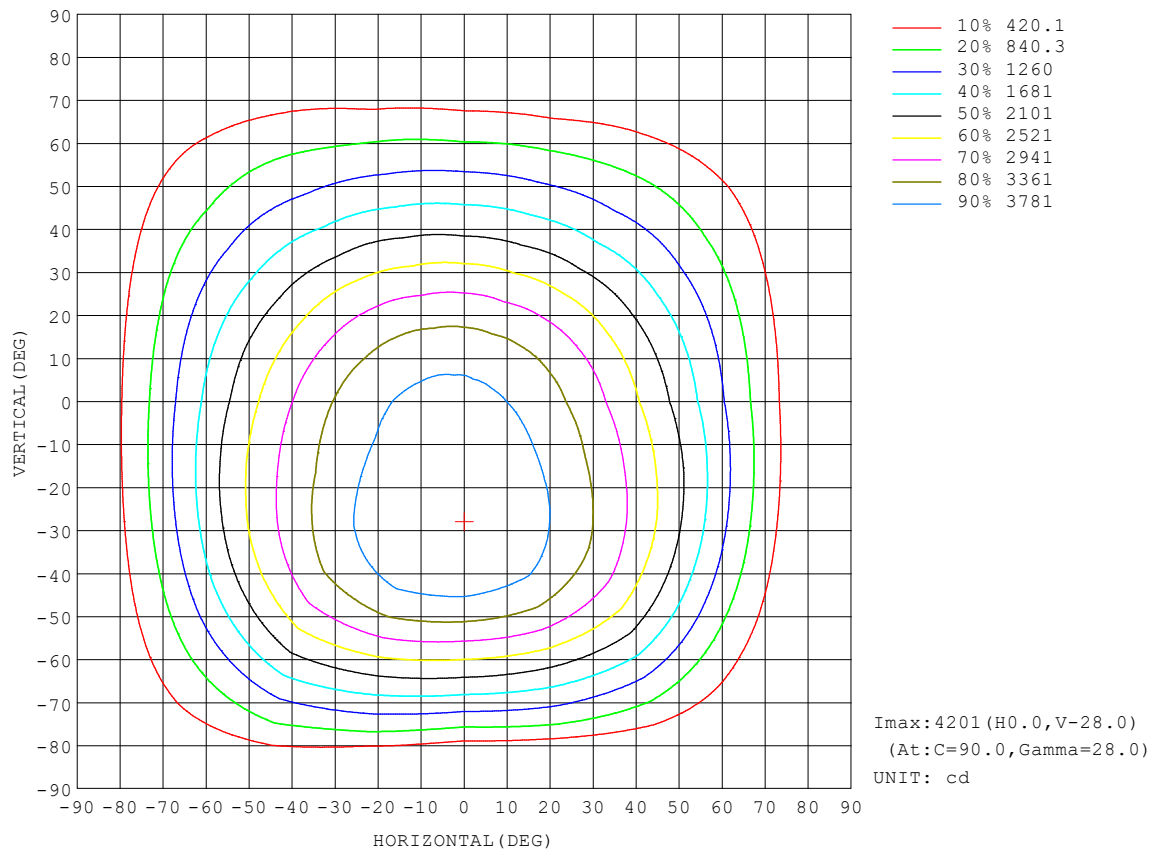
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3779	3940	4047	4002	3884	3742	3656	3677	0- 10	369.9	369.9	3.36,3.36
20	3496	3879	4153	4001	3706	3409	3222	3278	10- 20	1060	1430	13,13
30	3085	3741	4195	3922	3383	2921	2645	2738	20- 30	1613	3043	27.7,27.7
40	2562	3488	4033	3726	2936	2329	2001	2102	30- 40	1957	5000	45.5,45.5
50	1959	3039	3460	3337	2392	1695	1440	1492	40- 50	2038	7037	64,64
60	1296	2325	2517	2672	1753	1136	858.9	941.2	50- 60	1820	8857	80.5,80.5
70	621.4	1365	1481	1757	1062	605.8	322.1	393.6	60- 70	1302	10159	92.4,92.4
80	91.15	352.4	258.9	755.3	394.6	127.5	14.44	26.17	70- 80	629.8	10789	98.1,98.1
90	5.962	3.401	3.257	5.449	8.470	6.482	7.027	7.936	80- 90	86.66	10875	98.9,98.9
100	10.24	6.327	4.645	5.046	7.064	10.97	12.71	13.26	90-100	7.464	10883	98.9,98.9
110	15.43	10.20	8.044	8.589	11.55	16.53	19.17	19.14	100-110	11.75	10895	99,99
120	21.15	14.91	12.28	12.96	16.82	22.57	25.86	25.32	110-120	16.11	10911	99.2,99.2
130	26.42	20.07	17.28	17.98	22.35	28.35	31.63	30.67	120-130	19.43	10930	99.4,99.4
140	30.80	24.91	22.30	22.87	27.48	33.08	35.87	34.98	130-140	20.62	10951	99.5,99.5
150	34.21	29.55	27.16	27.72	31.85	36.54	38.60	37.84	140-150	19.42	10970	99.7,99.7
160	37.37	33.84	31.95	32.33	35.50	38.66	39.93	39.39	150-160	15.95	10986	99.9,99.9
170	40.21	37.80	36.36	36.91	38.87	40.15	40.44	40.16	160-170	10.58	10997	100,100
180	41.23	40.23	39.89	39.97	41.15	40.51	39.77	39.85	170-180	3.765	11000	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:2025-08-13

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

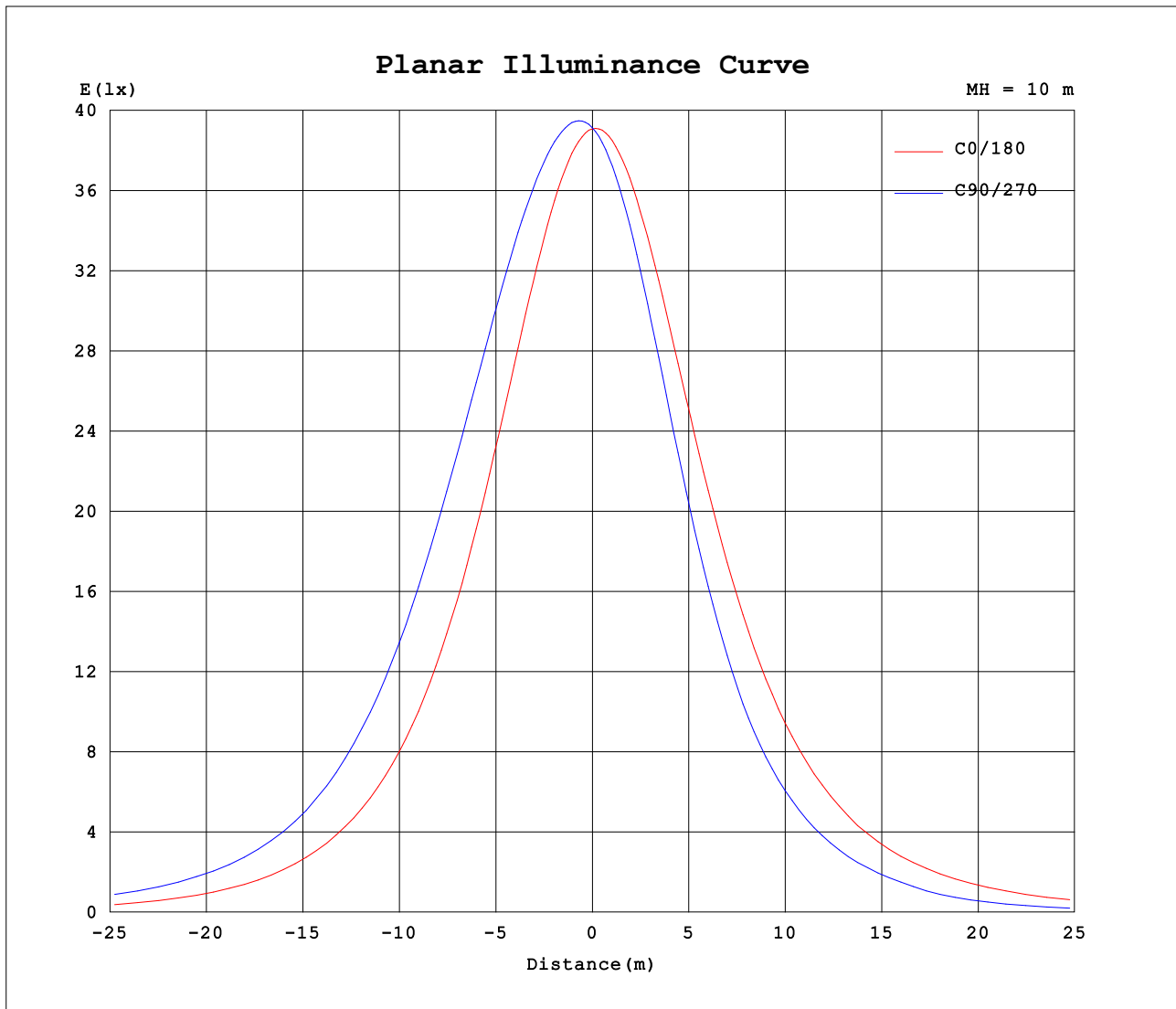
Test:U:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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



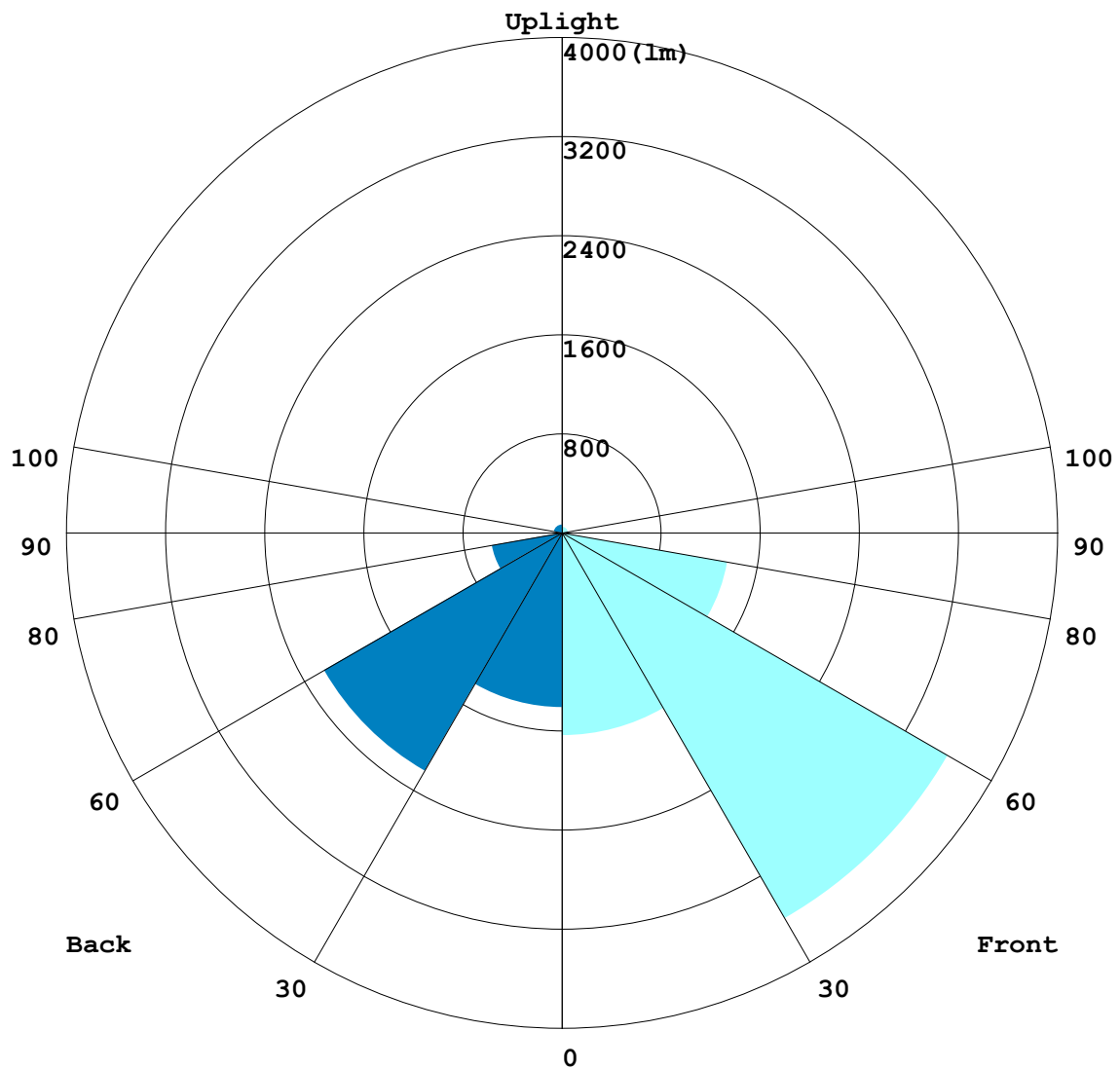
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 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:2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 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)	1635.1	14.9
FM - Front-Medium(30-60)	3595.6	32.7
FH - Front-High(60-80)	1356	12.3
FVH - Front-Very High(80-90)	64.139	0.6
Total Forward Light	6702.8	60.9

BL - Back-Low(0-30)	1408.1	12.8
BM - Back-Medium(30-60)	2218.4	20.2
BH - Back-High(60-80)	575.67	5.2
BVH - Back-Very High(80-90)	22.522	0.2
Total Back Light	4297.7	39.1

UL - Uplight-Low(90-100)	7.4645	0.1
UH - Uplight-High(100-180)	117.62	1.1
Total Up Light	125.08	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4224.7	73.022	4297.7
Street Side	6650.7	52.059	6702.8

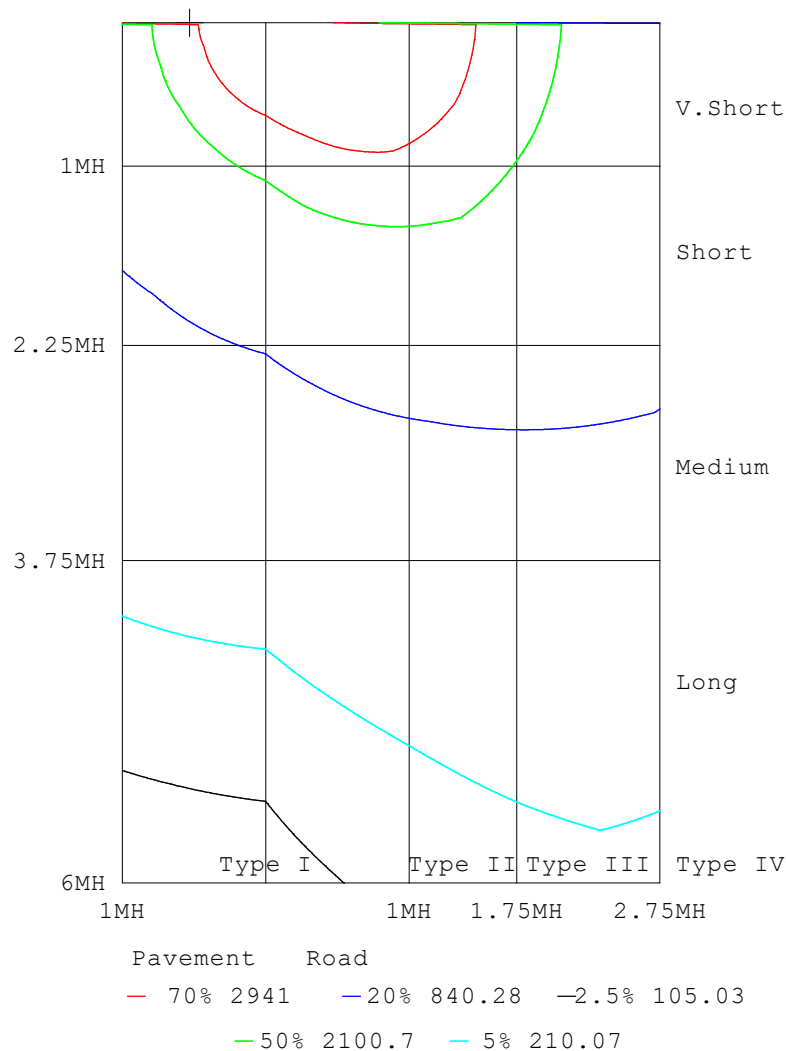
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz Lamp Flux:11000.5x1 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:2025-08-13

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:275.26V I:0.2803A P:76.734W PF:0.9944 Freq:60.00Hz																	
Lamp Flux:11000.5x1 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	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909			
5	3864	3905	3940	3970	3985	3987	3970	3947	3917	3878	3844	3815	3802	3796	3811	3838			
10	3779	3864	3940	4012	4047	4045	4002	3946	3884	3807	3742	3684	3656	3649	3677	3727			
15	3655	3786	3919	4042	4103	4090	4010	3910	3814	3699	3598	3502	3460	3446	3497	3574			
20	3496	3678	3879	4063	4153	4125	4001	3842	3706	3551	3409	3279	3222	3209	3278	3388			
25	3306	3543	3820	4072	4189	4152	3971	3745	3560	3362	3182	3017	2947	2930	3021	3161			
30	3085	3384	3741	4054	4195	4150	3922	3619	3383	3142	2921	2728	2645	2628	2738	2906			
35	2834	3201	3635	3997	4153	4111	3841	3469	3174	2888	2634	2424	2329	2317	2432	2621			
40	2562	2998	3488	3881	4033	4012	3726	3295	2936	2607	2329	2111	2001	2001	2102	2317			
45	2269	2773	3292	3672	3800	3821	3562	3095	2675	2305	2002	1814	1717	1709	1787	2002			
50	1959	2516	3039	3364	3460	3527	3337	2872	2392	1996	1695	1533	1440	1428	1492	1689			
55	1637	2195	2718	2954	3013	3135	3041	2602	2074	1686	1408	1257	1174	1154	1212	1384			
60	1296	1823	2325	2474	2517	2658	2672	2267	1753	1380	1136	1000	859	870	941	1083			
65	950	1405	1873	1971	2007	2158	2234	1874	1412	1075	874	657	553	550	686	786			
70	621	978	1365	1479	1481	1655	1757	1444	1062	778	606	384	322	308	394	520			
75	322	573	878	972	926	1148	1248	1005	718	510	327	201	146	135	169	283			
80	91.2	245	352	341	259	558	755	589	395	271	128	37.0	14.4	11.5	26.2	78.0			
85	6.45	8.25	11.9	14.2	18.8	89.7	146	241	128	71.2	10.9	6.04	5.83	6.35	6.69	6.67			
90	5.96	4.40	3.40	2.91	3.26	4.18	5.45	6.89	8.47	6.42	6.48	6.71	7.03	7.76	7.94	7.13			
95	7.96	6.01	4.73	3.78	3.33	3.27	3.66	4.32	5.21	6.98	8.41	9.25	9.70	10.5	10.5	9.40			
100	10.2	7.90	6.33	5.18	4.65	4.55	5.05	5.89	7.06	9.19	11.0	12.1	12.7	13.5	13.3	11.9			
105	12.8	10.0	8.16	6.83	6.23	6.09	6.70	7.72	9.22	11.7	13.7	15.1	15.9	16.7	16.1	14.6			
110	15.4	12.4	10.2	8.73	8.04	7.89	8.59	9.83	11.6	14.3	16.5	18.2	19.2	19.9	19.1	17.4			
115	18.3	14.9	12.5	10.8	10.0	9.94	10.7	12.1	14.2	17.2	19.5	21.4	22.6	23.2	22.3	20.4			
120	21.2	17.6	14.9	13.2	12.3	12.1	13.0	14.6	16.8	20.1	22.6	24.7	25.9	26.5	25.3	23.4			
125	23.9	20.3	17.5	15.6	14.7	14.6	15.5	17.1	19.6	23.1	25.6	27.7	29.0	29.5	28.2	26.1			
130	26.4	22.8	20.1	18.2	17.3	17.1	18.0	19.7	22.3	25.8	28.4	30.3	31.6	32.0	30.7	28.4			
135	28.7	25.3	22.5	20.7	19.8	19.6	20.4	22.1	25.0	28.3	30.8	32.6	33.8	34.3	32.9	30.6			
140	30.8	27.5	24.9	23.2	22.3	22.0	22.9	24.5	27.5	30.7	33.1	34.8	35.9	36.3	35.0	32.8			
145	32.6	29.7	27.3	25.5	24.8	24.5	25.3	26.8	29.7	32.6	34.9	36.4	37.4	37.7	36.5	34.4			
150	34.2	31.8	29.6	27.9	27.2	26.9	27.7	29.0	31.9	34.5	36.5	37.8	38.6	38.9	37.8	36.1			
155	35.8	33.8	31.7	30.3	29.6	29.3	30.1	31.2	33.8	36.0	37.8	38.8	39.4	39.7	38.8	37.3			
160	37.4	35.7	33.8	32.5	32.0	31.7	32.3	33.3	35.5	37.2	38.7	39.5	39.9	40.1	39.4	38.1			
165	38.9	37.6	35.9	34.7	34.2	34.0	34.6	35.5	37.1	38.3	39.4	39.9	40.2	40.4	39.7	38.9			
170	40.2	39.3	37.8	36.9	36.4	36.3	36.9	37.4	38.9	39.4	40.1	40.3	40.4	40.7	40.2	39.7			
175	41.0	40.5	39.2	38.6	38.2	38.3	38.6	38.9	40.3	40.3	40.5	40.3	40.1	40.5	40.2	40.1			
180	41.2	40.8	40.2	40.2	39.9	39.8	40.0	39.9	41.1	40.7	40.5	40.0	39.8	40.1	39.8	40.0			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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: