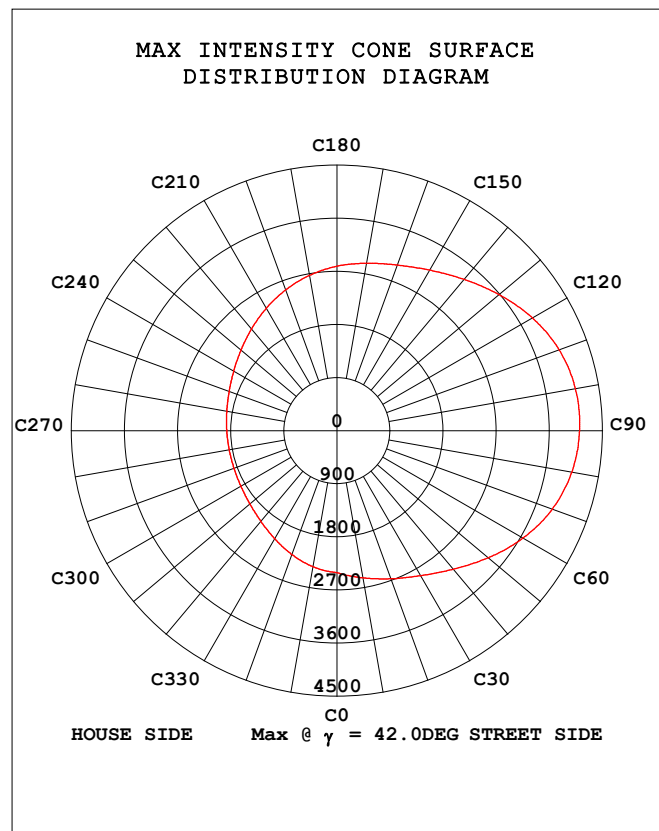
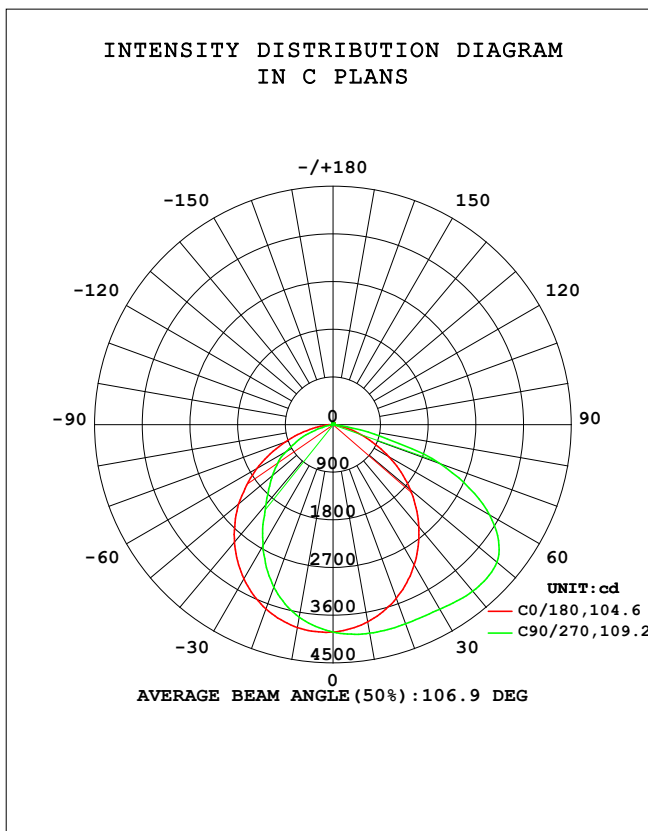


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.26V I:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.58 lm/W			
MODEL		I _{max} (cd)	4110	η street_up (%)	0.5
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	60.9
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	11288	η house_up (%)	0.7
NOMINAL FLUX(lm)	11287.8	MAXIMUM @ (C, γ)	90,42.0	η house_down (%)	38.0
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

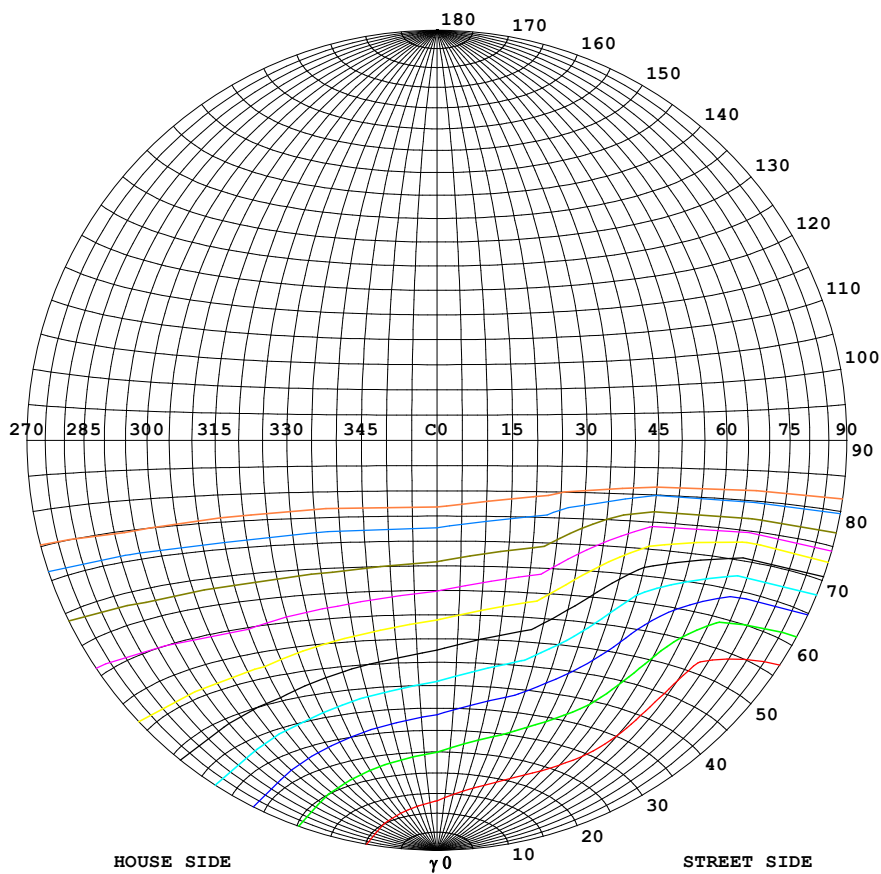


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

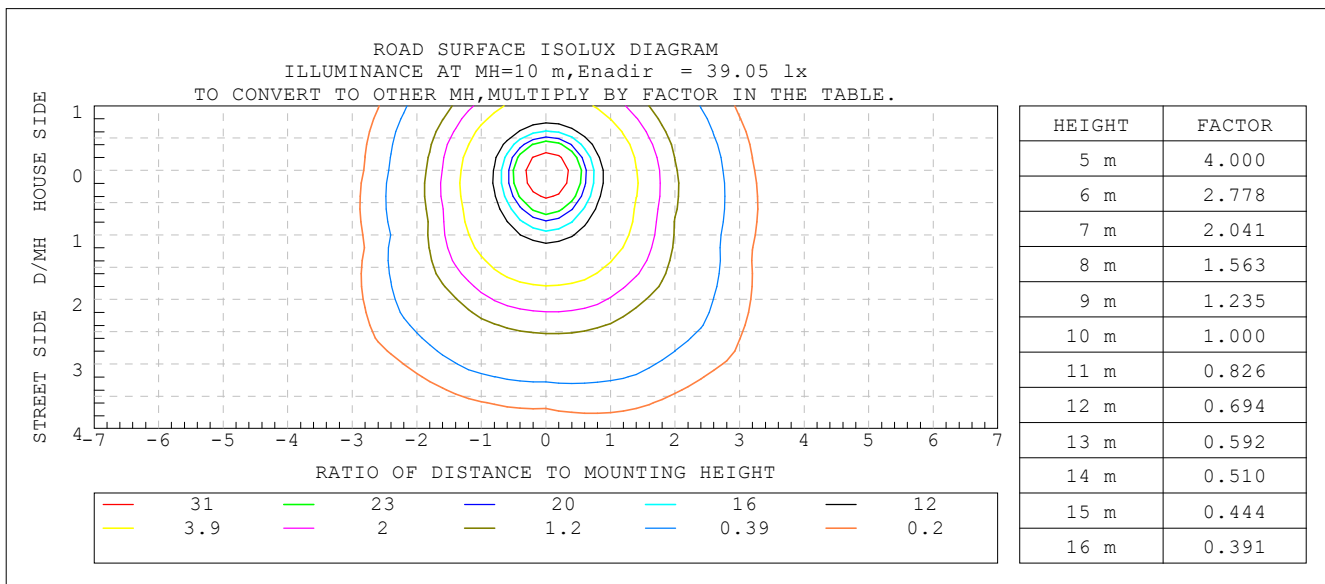
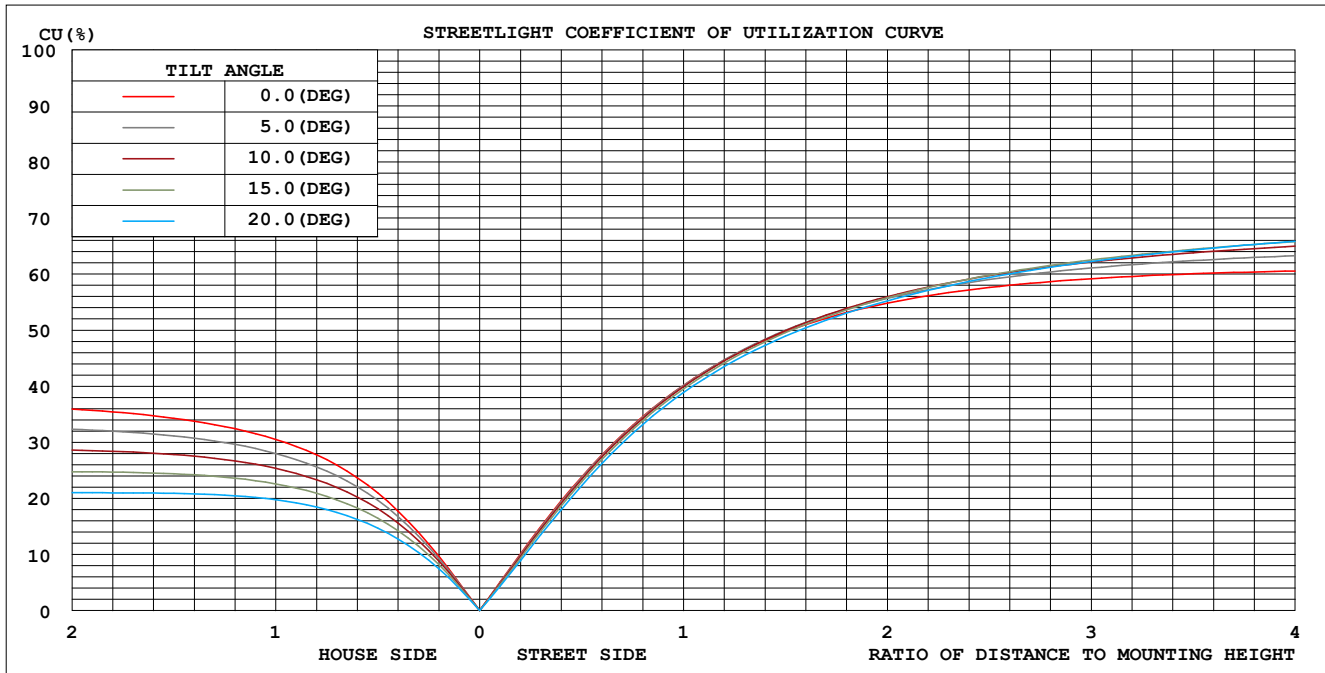
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:82.24cd/klm
Max.At90:0.8803cd/klm
Max.80-90:82.24cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4110
90%	3699
80%	3288
70%	2877
60%	2466
50%	2055
40%	1644
30%	1233
20%	822
10%	411
5%	206

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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

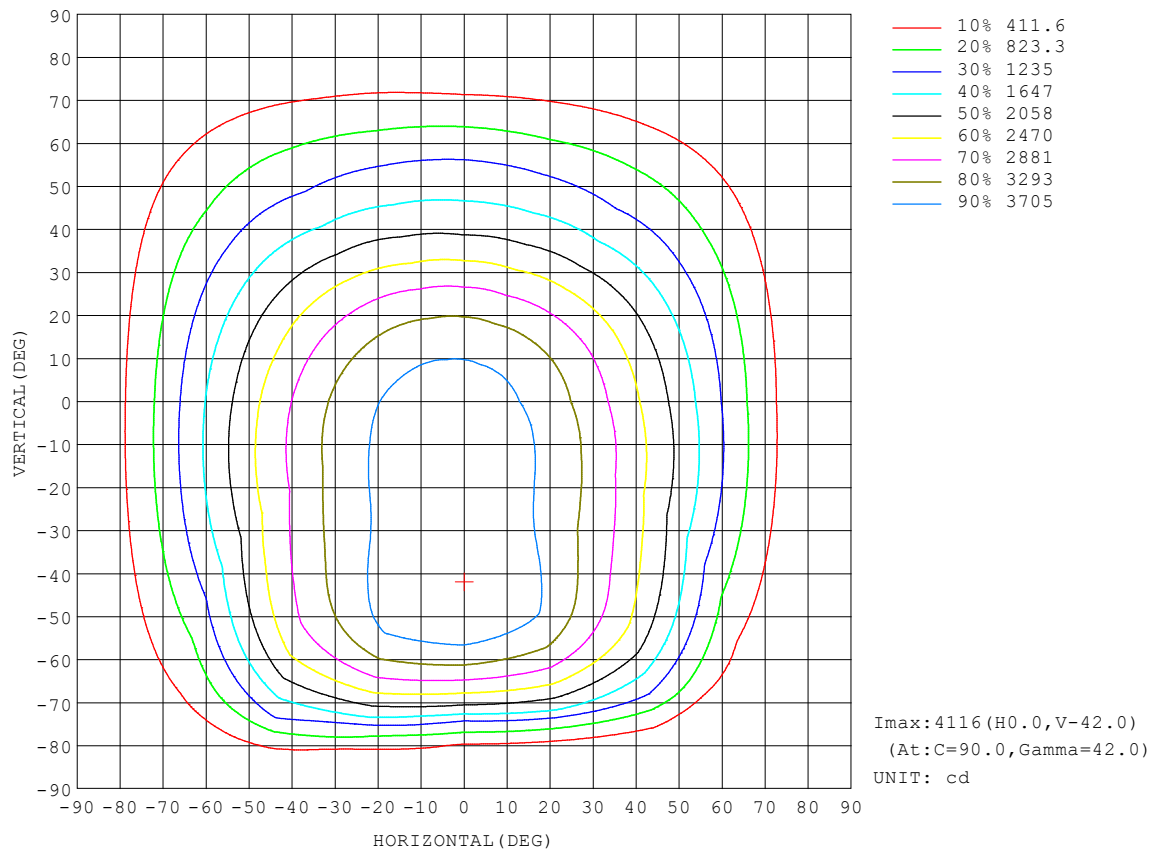
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3781	3911	3998	3974	3889	3768	3689	3702	0- 10	370.1	370.1	3.28,3.28
20	3491	3779	4002	3904	3703	3450	3268	3322	10- 20	1056	1426	12.6,12.6
30	3064	3547	4025	3735	3367	2957	2649	2770	20- 30	1591	3017	26.7,26.7
40	2524	3263	4106	3512	2895	2331	1976	2092	30- 40	1914	4931	43.7,43.7
50	1903	2948	4040	3258	2327	1678	1490	1475	40- 50	2024	6955	61.6,61.6
60	1224	2539	3417	2907	1664	1146	1014	970.3	50- 60	1910	8864	78.5,78.5
70	563.7	1696	2142	2185	962.8	651.9	499.2	470.5	60- 70	1481	10345	91.7,91.7
80	85.48	403.7	354.3	928.3	343.4	173.2	33.65	47.41	70- 80	726.7	11072	98.1,98.1
90	5.384	3.539	3.781	5.510	8.058	7.288	9.338	8.887	80- 90	90.16	11162	98.9,98.9
100	9.387	6.375	5.236	5.252	6.474	11.62	16.15	14.34	90-100	8.072	11170	99,99
110	14.35	10.12	8.543	8.769	10.76	17.00	22.76	19.99	100-110	12.33	11183	99.1,99.1
120	19.83	14.67	12.66	13.09	15.85	22.86	28.89	26.05	110-120	16.47	11199	99.2,99.2
130	24.95	19.60	17.54	18.05	21.22	28.49	33.87	31.00	120-130	19.56	11219	99.4,99.4
140	29.23	24.25	22.44	22.86	26.25	32.96	37.00	34.67	130-140	20.50	11239	99.6,99.6
150	32.66	28.64	27.24	27.50	30.61	35.86	39.05	37.24	140-150	19.13	11258	99.7,99.7
160	35.86	32.71	31.74	31.84	34.30	37.22	39.83	38.67	150-160	15.62	11274	99.9,99.9
170	38.71	36.40	35.80	36.21	37.72	38.28	39.66	39.33	160-170	10.30	11284	100,100
180	39.69	38.65	39.09	39.10	40.04	38.67	38.88	39.04	170-180	3.654	11288	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

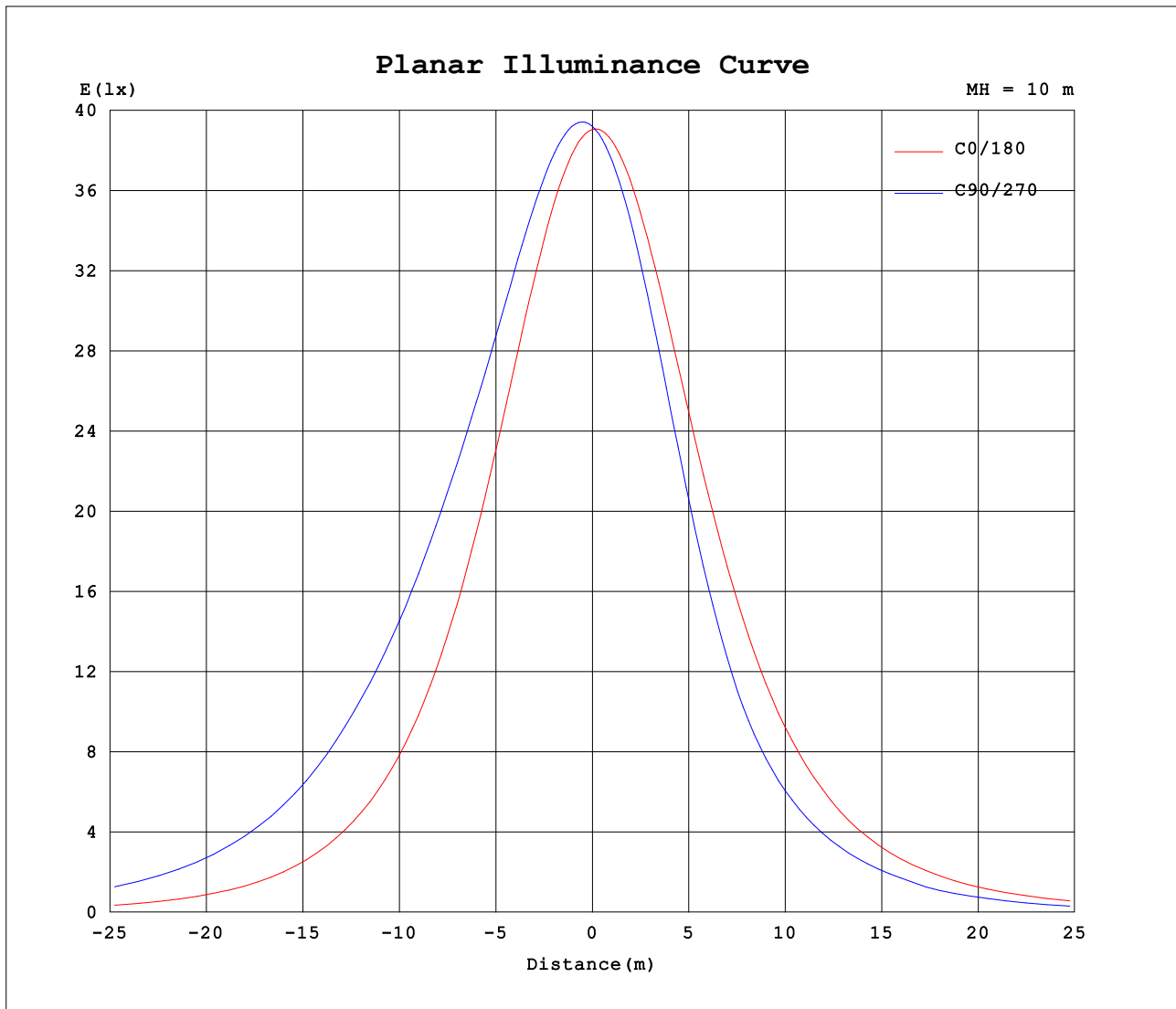
Test:U:275.26V I:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



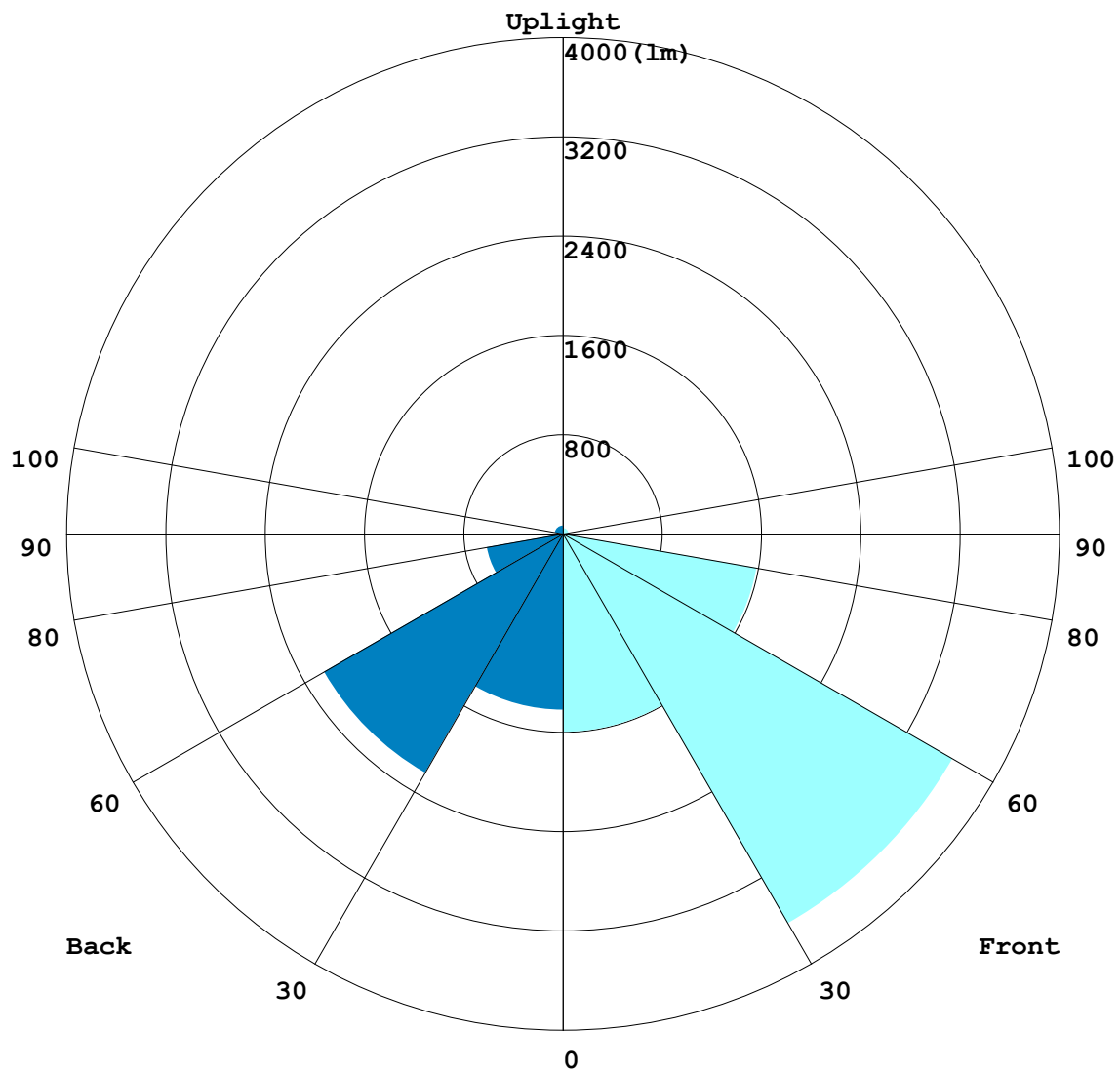
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 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)	1597.5	14.2
FM - Front-Medium(30-60)	3624.4	32.1
FH - Front-High(60-80)	1584	14.0
FVH - Front-Very High(80-90)	66.138	0.6
Total Forward Light	6923.2	61.3

BL - Back-Low(0-30)	1419.3	12.6
BM - Back-Medium(30-60)	2223.1	19.7
BH - Back-High(60-80)	623.76	5.5
BVH - Back-Very High(80-90)	24.02	0.2
Total Back Light	4364.6	38.7

UL - Uplight-Low(90-100)	8.0717	0.1
UH - Uplight-High(100-180)	117.56	1.0
Total Up Light	125.63	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4290.1	74.479	4364.6
Street Side	6872.1	51.155	6923.2

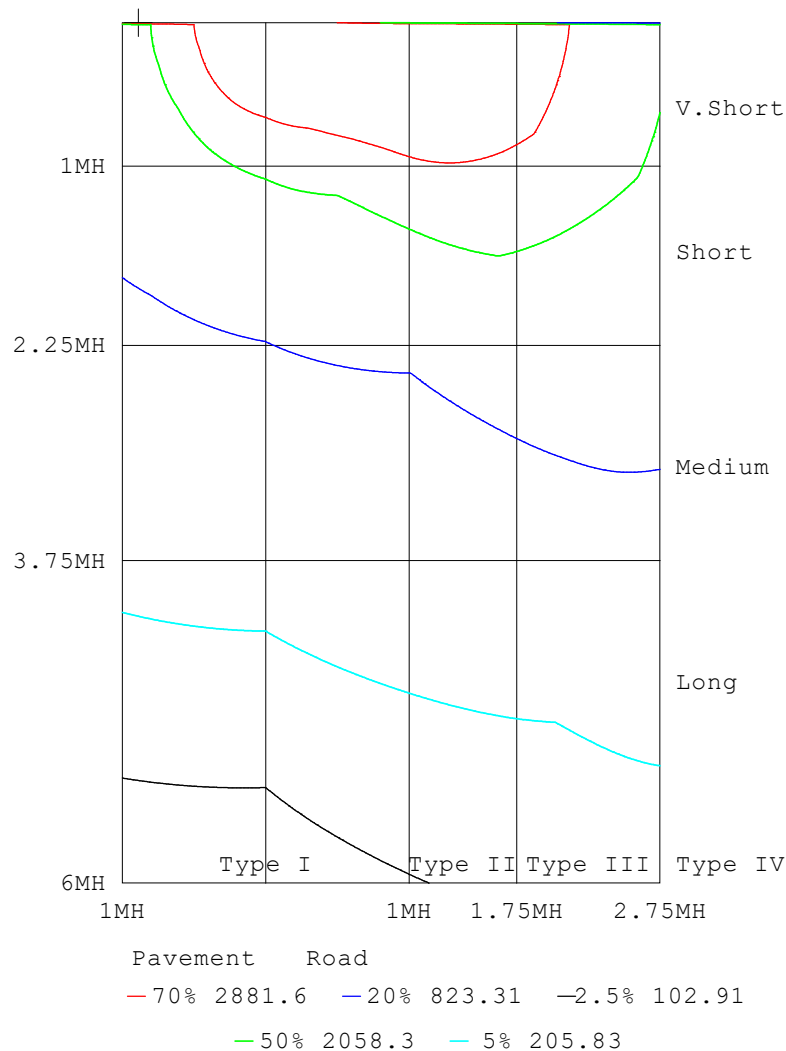
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 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:0.2814A P:77.008W PF:0.9944 Freq:60.00Hz Lamp Flux:11287.8x1 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	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915	3915			
5	3868	3902	3931	3956	3971	3974	3964	3943	3922	3888	3861	3833	3822	3818	3828	3845			
10	3781	3849	3911	3965	3998	4004	3974	3933	3889	3822	3768	3716	3689	3682	3702	3739			
15	3654	3760	3859	3954	4004	4007	3954	3884	3814	3717	3632	3542	3505	3491	3536	3591			
20	3491	3632	3779	3924	4002	3994	3904	3795	3703	3572	3450	3326	3268	3256	3322	3407			
25	3293	3474	3673	3888	4003	3975	3830	3675	3554	3387	3225	3053	2980	2968	3066	3184			
30	3064	3284	3547	3857	4025	3961	3735	3520	3367	3168	2957	2745	2649	2641	2770	2929			
35	2805	3061	3409	3843	4068	3965	3626	3332	3147	2912	2653	2411	2308	2303	2443	2644			
40	2524	2813	3263	3839	4106	3973	3512	3114	2895	2629	2331	2083	1976	1980	2092	2333			
45	2220	2538	3109	3808	4102	3957	3391	2868	2620	2319	1990	1798	1717	1700	1769	2010			
50	1903	2231	2948	3738	4040	3900	3258	2599	2327	2001	1678	1547	1490	1457	1475	1689			
55	1572	1890	2768	3564	3814	3754	3103	2299	1993	1682	1400	1319	1281	1231	1215	1377			
60	1224	1524	2539	3227	3417	3441	2907	1947	1664	1370	1146	1099	1014	987	970	1072			
65	876	1140	2196	2743	2845	2981	2610	1585	1310	1062	905	809	763	714	734	777			
70	564	774	1696	2114	2142	2378	2185	1202	963	765	652	565	499	464	470	515			
75	289	438	1134	1155	1065	1571	1623	830	635	503	403	288	213	192	240	282			
80	85.5	172	404	354	354	690	928	484	343	270	173	81.0	33.7	22.6	47.4	87.7			
85	5.89	7.68	11.6	13.5	17.4	87.9	196	181	117	77.8	20.2	8.43	8.38	8.67	8.05	6.82			
90	5.38	4.22	3.54	3.30	3.78	4.56	5.51	6.48	8.06	6.36	7.29	8.50	9.34	9.94	8.89	6.93			
95	7.27	5.73	4.84	4.18	3.90	3.71	3.87	4.24	4.75	6.61	9.04	11.5	12.7	13.1	11.6	9.14			
100	9.39	7.49	6.38	5.56	5.24	5.00	5.25	5.75	6.47	8.76	11.6	14.6	16.1	16.4	14.3	11.6			
105	11.8	9.54	8.16	7.15	6.79	6.54	6.90	7.52	8.52	11.2	14.3	17.7	19.6	19.6	17.1	14.2			
110	14.4	11.8	10.1	8.96	8.54	8.28	8.77	9.57	10.8	13.8	17.0	20.6	22.8	22.6	20.0	17.0			
115	17.1	14.2	12.3	11.0	10.5	10.3	10.8	11.8	13.3	16.6	19.9	23.6	25.9	25.6	23.0	20.0			
120	19.8	16.7	14.7	13.2	12.7	12.4	13.1	14.2	15.8	19.4	22.9	26.7	28.9	28.7	26.0	22.8			
125	22.5	19.3	17.2	15.7	15.1	14.8	15.6	16.7	18.6	22.3	25.8	29.5	31.7	31.5	28.8	25.4			
130	24.9	21.7	19.6	18.1	17.5	17.3	18.1	19.2	21.2	25.0	28.5	31.8	33.9	33.7	31.0	27.6			
135	27.2	24.0	21.9	20.5	20.0	19.7	20.4	21.6	23.8	27.4	30.8	33.8	35.5	35.4	32.9	29.7			
140	29.2	26.2	24.3	22.9	22.4	22.2	22.9	23.9	26.2	29.6	33.0	35.6	37.0	36.9	34.7	31.7			
145	31.0	28.4	26.5	25.2	24.9	24.6	25.2	26.2	28.4	31.4	34.6	37.0	38.1	37.9	36.0	33.3			
150	32.7	30.4	28.6	27.5	27.2	26.9	27.5	28.4	30.6	33.0	35.9	38.2	39.1	38.8	37.2	35.0			
155	34.3	32.3	30.7	29.7	29.6	29.2	29.7	30.5	32.6	34.3	36.7	38.9	39.7	39.5	38.2	36.2			
160	35.9	34.2	32.7	31.8	31.7	31.3	31.8	32.7	34.3	35.4	37.2	39.1	39.8	39.7	38.7	37.0			
165	37.4	36.0	34.6	33.8	33.8	33.5	34.0	34.8	36.0	36.5	37.7	39.1	39.7	39.8	39.0	37.7			
170	38.7	37.7	36.4	35.7	35.8	35.7	36.2	36.7	37.7	37.6	38.3	39.2	39.7	39.9	39.3	38.6			
175	39.5	38.8	37.7	37.2	37.5	37.5	37.8	38.1	39.2	38.4	38.6	39.2	39.2	39.6	39.3	38.9			
180	39.7	39.2	38.6	38.6	39.1	39.0	39.1	39.0	40.0	38.9	38.7	39.0	38.9	39.2	39.0	38.7			

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: