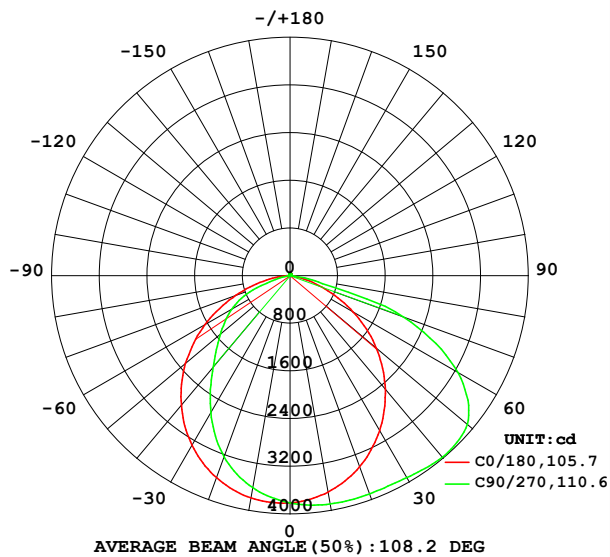
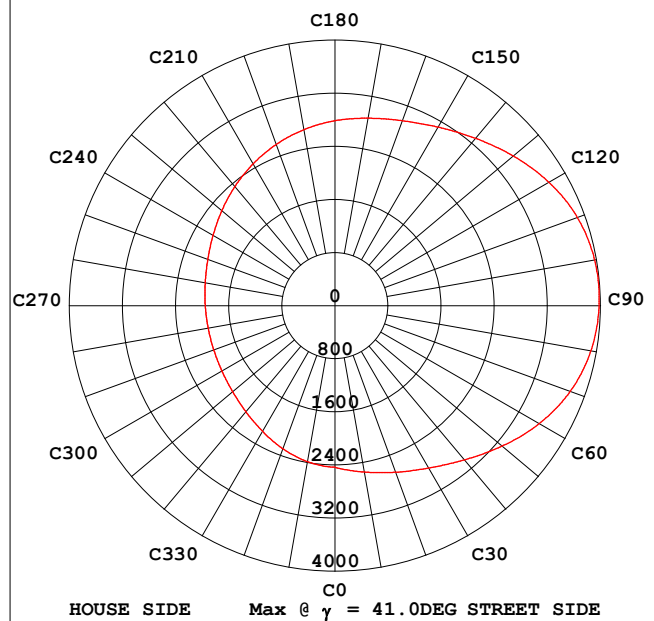


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.17 lm/W			
MODEL		Imax (cd)	3978	η street_up (%)	0.5
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	59.7
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	11088	η house_up (%)	0.7
NOMINAL FLUX(lm)	11087.7	MAXIMUM @ (C, γ)	90,41.0	η house_down (%)	39.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

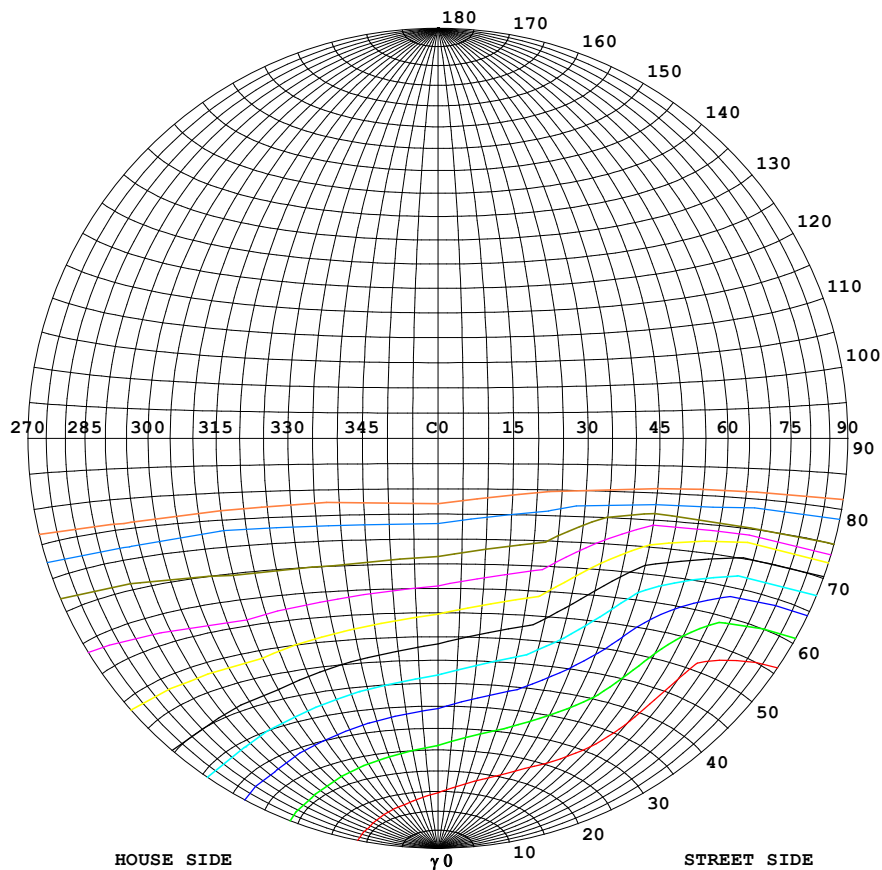
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

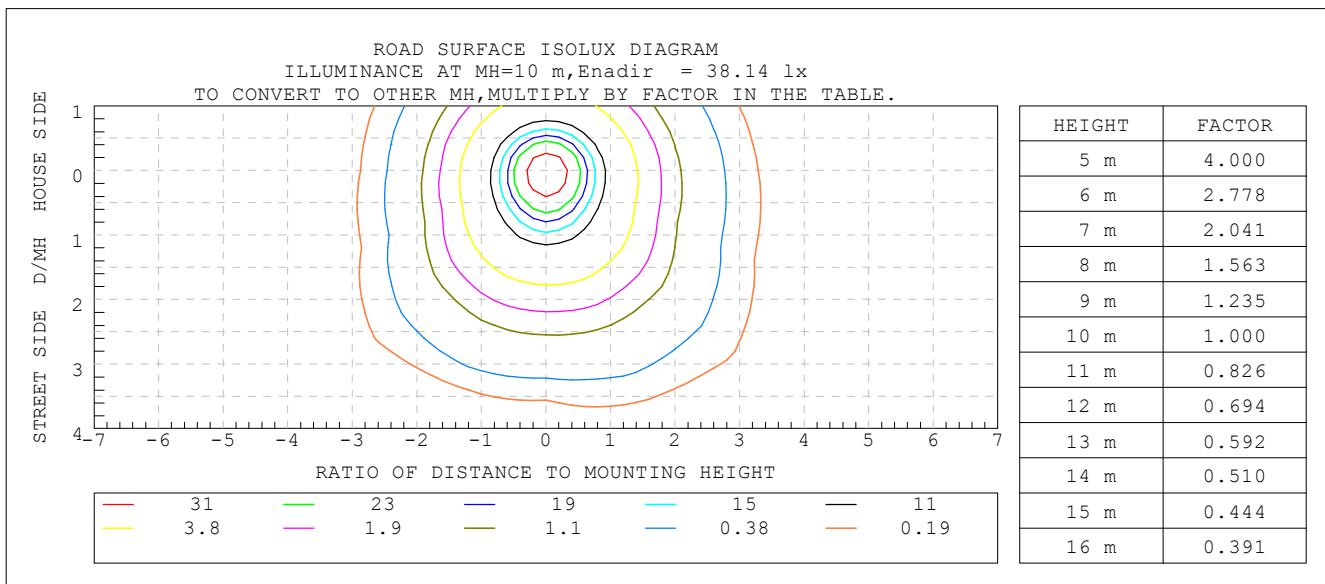
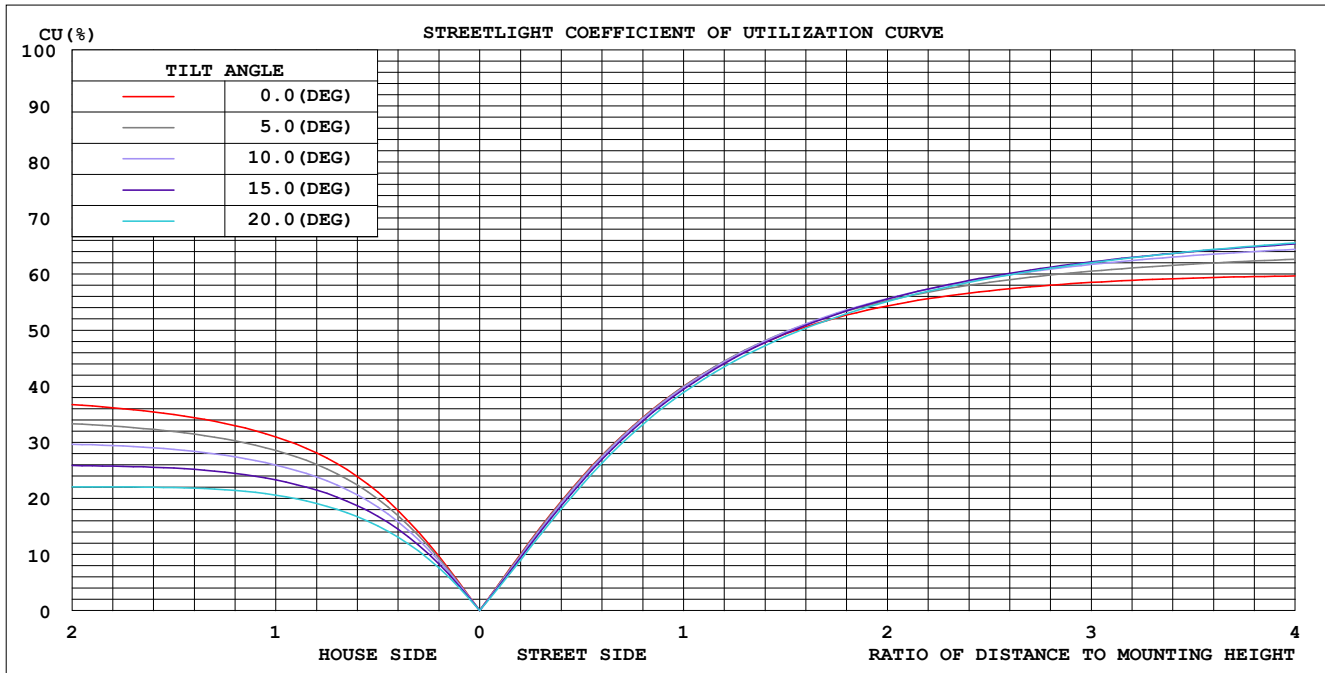
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:63.77cd/klm
Max.At90:0.8217cd/klm
Max.80-90:63.77cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3978
90%	3580
80%	3182
70%	2784
60%	2387
50%	1989
40%	1591
30%	1193
20%	796
10%	398
5%	199

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:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

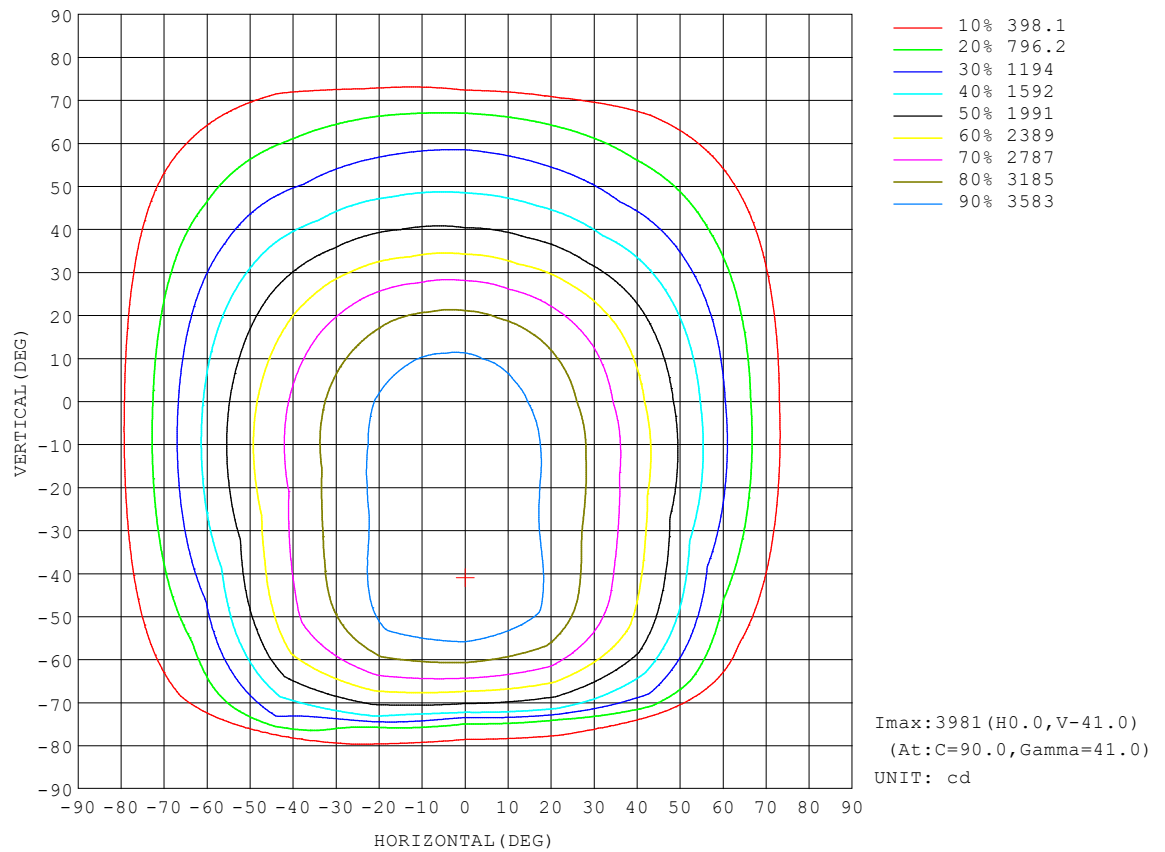
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3687	3810	3891	3867	3788	3682	3614	3621	0- 10	360.7	360.7	3.25,3.25
20	3415	3683	3898	3801	3610	3398	3237	3277	10- 20	1032	1393	12.6,12.6
30	3007	3463	3916	3638	3290	2942	2659	2761	20- 30	1561	2954	26.6,26.6
40	2489	3186	3977	3423	2838	2345	2009	2111	30- 40	1886	4840	43.6,43.6
50	1892	2876	3883	3172	2297	1707	1527	1507	40- 50	1996	6836	61.7,61.7
60	1227	2462	3256	2815	1653	1178	1134	1006	50- 60	1883	8719	78.6,78.6
70	574.7	1631	2026	2097	967.5	716.2	599.0	550.0	60- 70	1475	10194	91.9,91.9
80	88.39	229.3	313.8	707.0	354.5	209.6	51.29	72.14	70- 80	693.8	10888	98.2,98.2
90	5.393	3.797	3.682	4.732	7.559	7.256	8.580	8.328	80- 90	76.68	10964	98.9,98.9
100	9.355	6.731	5.490	5.407	6.453	11.43	15.09	13.59	90-100	7.897	10972	99,99
110	14.29	10.53	8.736	8.848	10.68	16.82	21.53	19.00	100-110	12.13	10984	99.1,99.1
120	19.65	15.11	12.70	13.06	15.65	22.68	27.45	24.86	110-120	16.18	11001	99.2,99.2
130	24.69	19.98	17.39	17.83	20.87	28.36	32.48	29.72	120-130	19.23	11020	99.4,99.4
140	28.85	24.52	21.97	22.46	25.75	32.94	35.57	33.29	130-140	20.12	11040	99.6,99.6
150	32.21	28.80	26.44	26.77	29.94	35.83	37.65	35.75	140-150	18.76	11059	99.7,99.7
160	35.34	32.80	30.59	30.91	33.53	37.24	38.41	37.14	150-160	15.29	11074	99.9,99.9
170	38.18	36.41	34.46	35.07	36.82	38.37	38.32	37.80	160-170	10.08	11084	100,100
180	39.15	38.52	37.46	37.80	39.01	38.82	37.76	37.53	170-180	3.575	11088	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

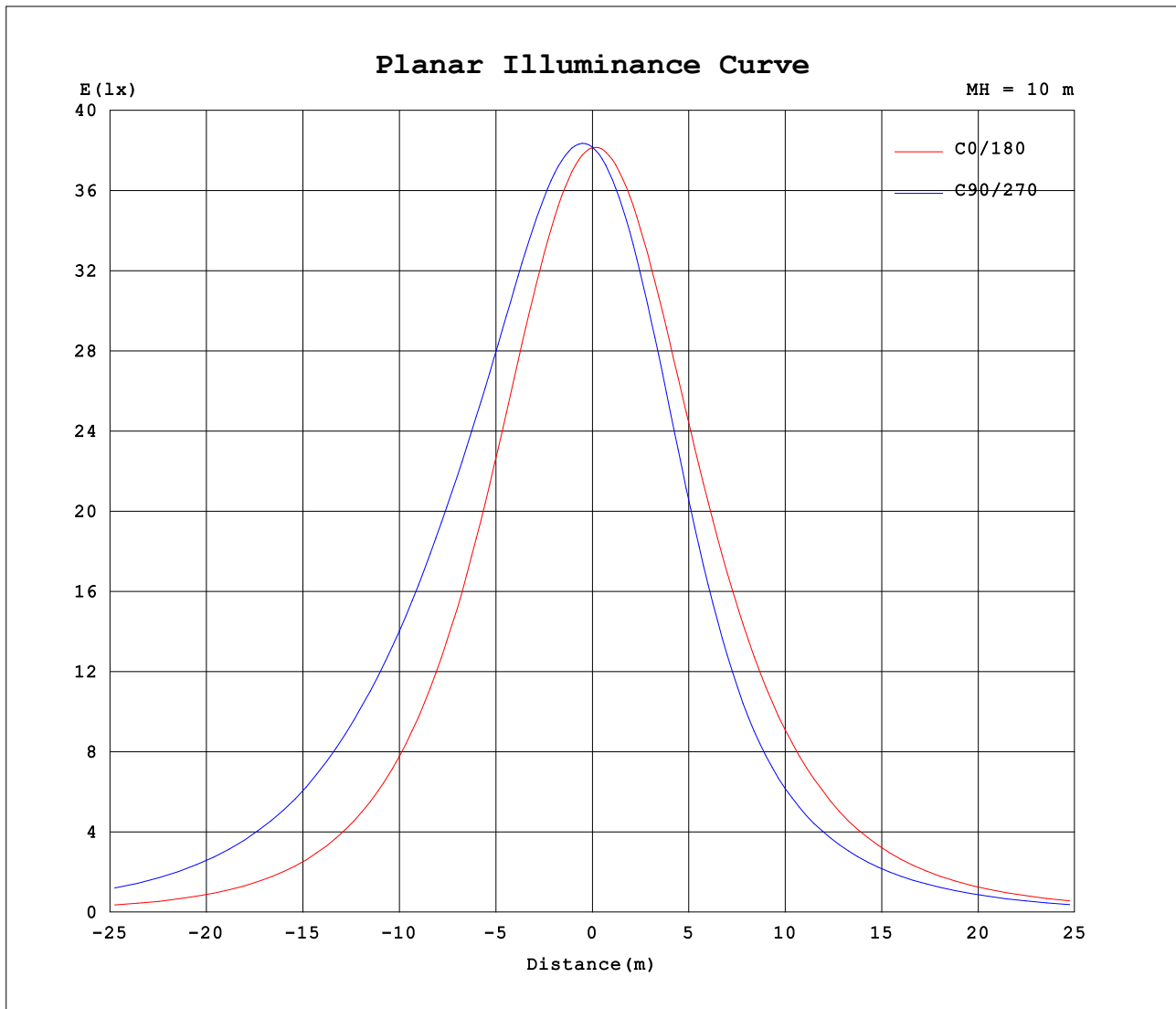
Test:U:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



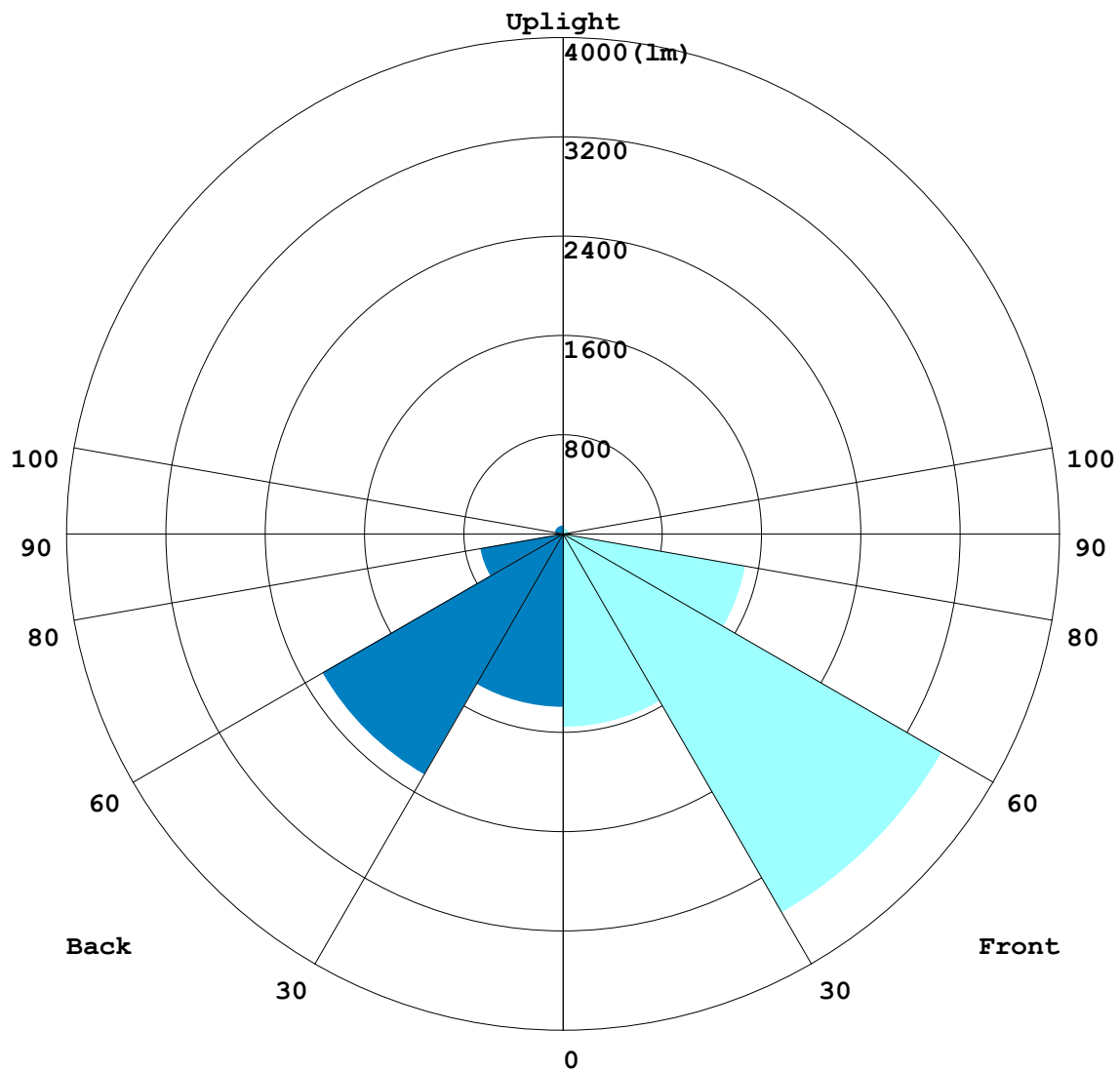
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 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:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 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)	1556.8	14.0
FM - Front-Medium(30-60)	3524.8	31.8
FH - Front-High(60-80)	1492.3	13.5
FVH - Front-Very High(80-90)	49.408	0.4
Total Forward Light	6674.4	60.2

BL - Back-Low(0-30)	1397.4	12.6
BM - Back-Medium(30-60)	2240.1	20.2
BH - Back-High(60-80)	676.33	6.1
BVH - Back-Very High(80-90)	27.27	0.2
Total Back Light	4413.3	39.8

UL - Uplight-Low(90-100)	7.8969	0.1
UH - Uplight-High(100-180)	115.36	1.0
Total Up Light	123.25	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4341.1	72.227	4413.3
Street Side	6623.4	51.027	6674.4

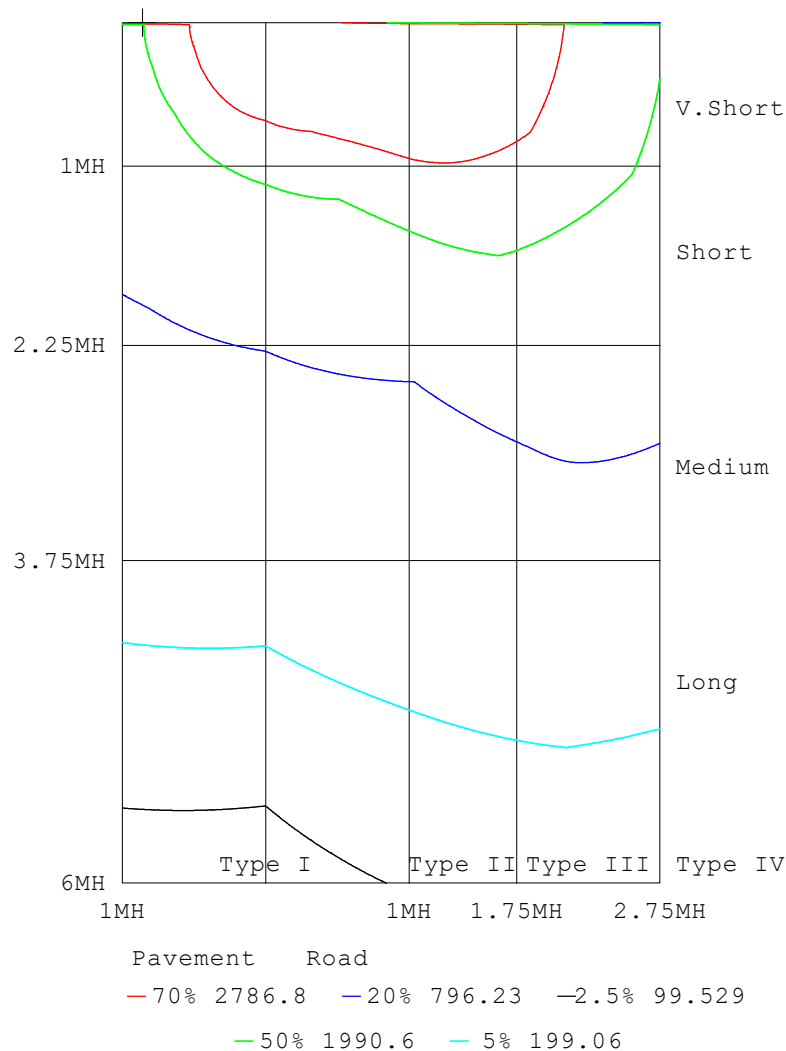
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 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:275.19V I:0.2974A P:81.425W PF:0.9951 Freq:60.00Hz Lamp Flux:11087.7x1 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	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814	3814			
5	3769	3802	3828	3852	3865	3868	3856	3838	3818	3790	3765	3742	3731	3725	3734	3750			
10	3687	3752	3810	3863	3891	3894	3867	3828	3788	3730	3682	3638	3614	3605	3621	3650			
15	3568	3664	3760	3852	3899	3899	3847	3779	3718	3635	3562	3486	3451	3435	3471	3518			
20	3415	3543	3683	3825	3898	3889	3801	3697	3610	3498	3398	3291	3237	3224	3277	3345			
25	3224	3392	3582	3790	3898	3870	3730	3579	3467	3326	3193	3042	2970	2953	3041	3136			
30	3007	3211	3463	3759	3916	3855	3638	3432	3290	3121	2942	2749	2659	2649	2761	2900			
35	2755	2995	3328	3744	3951	3854	3534	3250	3080	2881	2655	2433	2333	2323	2452	2628			
40	2489	2756	3186	3729	3977	3855	3423	3042	2838	2614	2345	2116	2009	2009	2111	2332			
45	2199	2490	3037	3690	3961	3832	3306	2804	2576	2318	2014	1831	1748	1732	1797	2019			
50	1892	2190	2876	3610	3883	3763	3172	2545	2297	2010	1707	1580	1527	1491	1507	1706			
55	1570	1865	2695	3426	3644	3601	3015	2247	1976	1701	1430	1360	1329	1276	1246	1400			
60	1227	1508	2462	3090	3256	3289	2815	1917	1653	1390	1178	1150	1134	1070	1006	1099			
65	891	1139	2120	2619	2702	2836	2518	1567	1309	1086	942	930	905	838	781	801			
70	575	779	1631	2006	2026	2241	2097	1197	968	788	716	678	599	558	550	539			
75	297	449	1083	840	791	1400	1546	836	646	525	481	335	252	231	278	305			
80	88.4	183	229	308	314	426	707	493	355	290	210	121	51.3	32.0	72.1	100			
85	5.82	6.38	7.83	8.55	9.68	15.5	176	164	125	91.9	29.0	8.87	8.40	8.53	8.03	6.97			
90	5.39	4.38	3.80	3.51	3.68	4.10	4.73	5.47	7.56	6.57	7.26	7.95	8.58	9.11	8.33	6.73			
95	7.25	5.92	5.14	4.51	4.14	3.91	4.01	4.32	4.73	6.56	8.84	10.8	11.8	12.1	10.9	8.89			
100	9.35	7.70	6.73	5.93	5.49	5.21	5.41	5.83	6.45	8.70	11.4	13.9	15.1	15.3	13.6	11.3			
105	11.7	9.75	8.54	7.55	7.03	6.73	7.03	7.58	8.48	11.1	14.1	17.0	18.4	18.3	16.3	13.9			
110	14.3	12.0	10.5	9.35	8.74	8.43	8.85	9.60	10.7	13.7	16.8	19.8	21.5	21.2	19.0	16.6			
115	16.9	14.4	12.7	11.4	10.6	10.3	10.8	11.8	13.1	16.5	19.7	22.7	24.5	24.1	21.9	19.5			
120	19.6	16.9	15.1	13.6	12.7	12.4	13.1	14.1	15.6	19.4	22.7	25.7	27.4	27.0	24.9	22.3			
125	22.3	19.4	17.6	16.0	15.0	14.7	15.5	16.6	18.3	22.2	25.7	28.5	30.3	29.8	27.6	24.9			
130	24.7	21.8	20.0	18.4	17.4	17.0	17.8	19.0	20.9	24.9	28.4	30.8	32.5	32.0	29.7	27.0			
135	26.9	24.1	22.3	20.7	19.7	19.3	20.1	21.3	23.4	27.3	30.7	32.8	34.1	33.7	31.5	29.0			
140	28.8	26.3	24.5	23.0	22.0	21.6	22.5	23.5	25.7	29.5	32.9	34.7	35.6	35.2	33.3	31.0			
145	30.6	28.3	26.7	25.3	24.3	23.9	24.7	25.7	27.9	31.3	34.5	36.1	36.7	36.2	34.6	32.6			
150	32.2	30.3	28.8	27.5	26.4	26.0	26.8	27.8	29.9	32.9	35.8	37.2	37.6	37.1	35.8	34.2			
155	33.8	32.2	30.8	29.6	28.6	28.1	28.8	29.8	31.8	34.3	36.7	37.9	38.3	37.7	36.7	35.4			
160	35.3	34.1	32.8	31.6	30.6	30.1	30.9	31.9	33.5	35.4	37.2	38.1	38.4	38.0	37.1	36.2			
165	36.8	35.8	34.7	33.6	32.5	32.2	33.0	33.9	35.1	36.4	37.8	38.1	38.3	38.1	37.4	37.0			
170	38.2	37.5	36.4	35.5	34.5	34.2	35.1	35.7	36.8	37.6	38.4	38.3	38.3	38.1	37.8	37.8			
175	39.0	38.5	37.6	37.0	36.0	35.9	36.6	37.0	38.2	38.5	38.7	38.2	38.0	37.9	37.8	38.1			
180	39.2	38.8	38.5	38.4	37.5	37.4	37.8	37.8	39.0	38.9	38.8	38.0	37.8	37.6	37.5	38.1			

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: