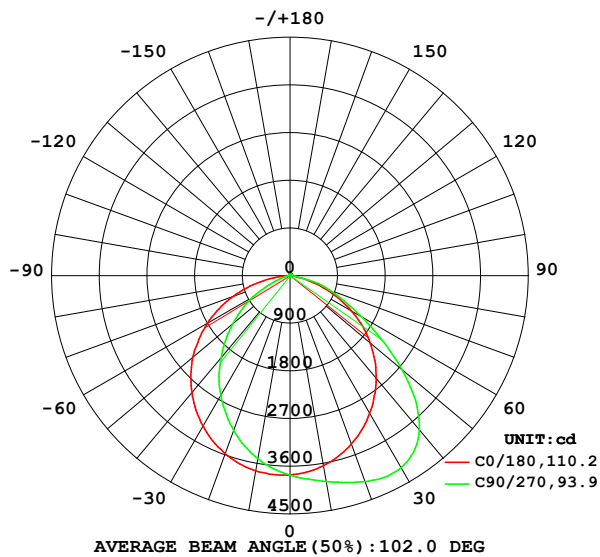
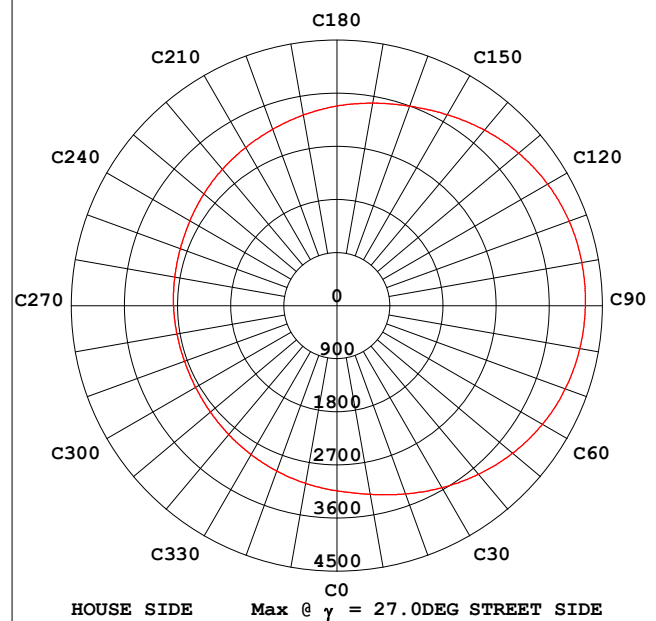


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.27 lm/W			
MODEL		Imax (cd)	4209	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	59.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	10429	η house_up (%)	0.6
NOMINAL FLUX (lm)	10429.1	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	39.9
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

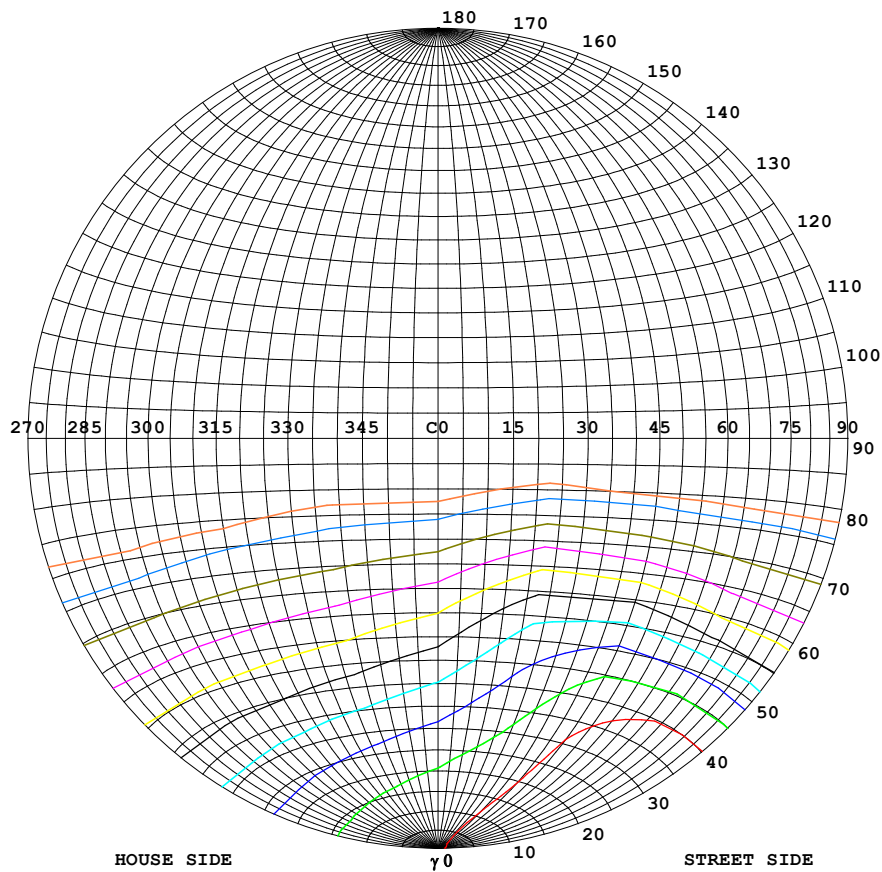
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

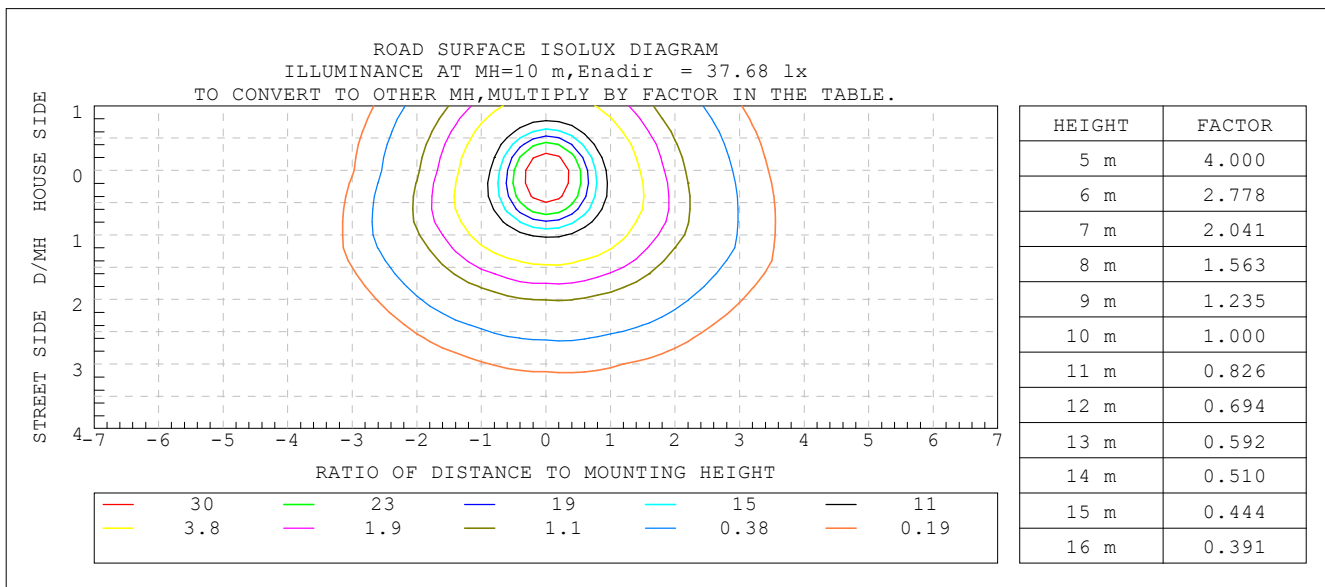
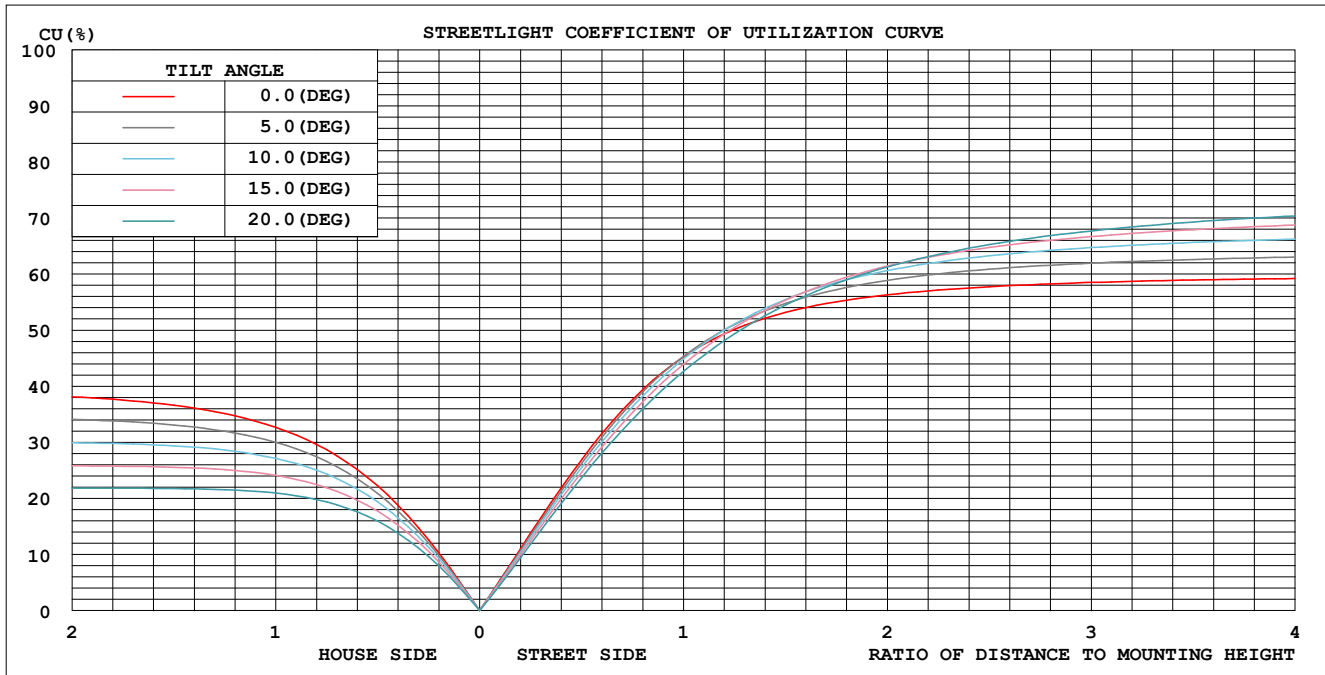
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.00cd/klm
Max.At90:0.7982cd/klm
Max.80-90:65.00cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4209
90%	3788
80%	3367
70%	2946
60%	2525
50%	2104
40%	1683
30%	1263
20%	842
10%	421
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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

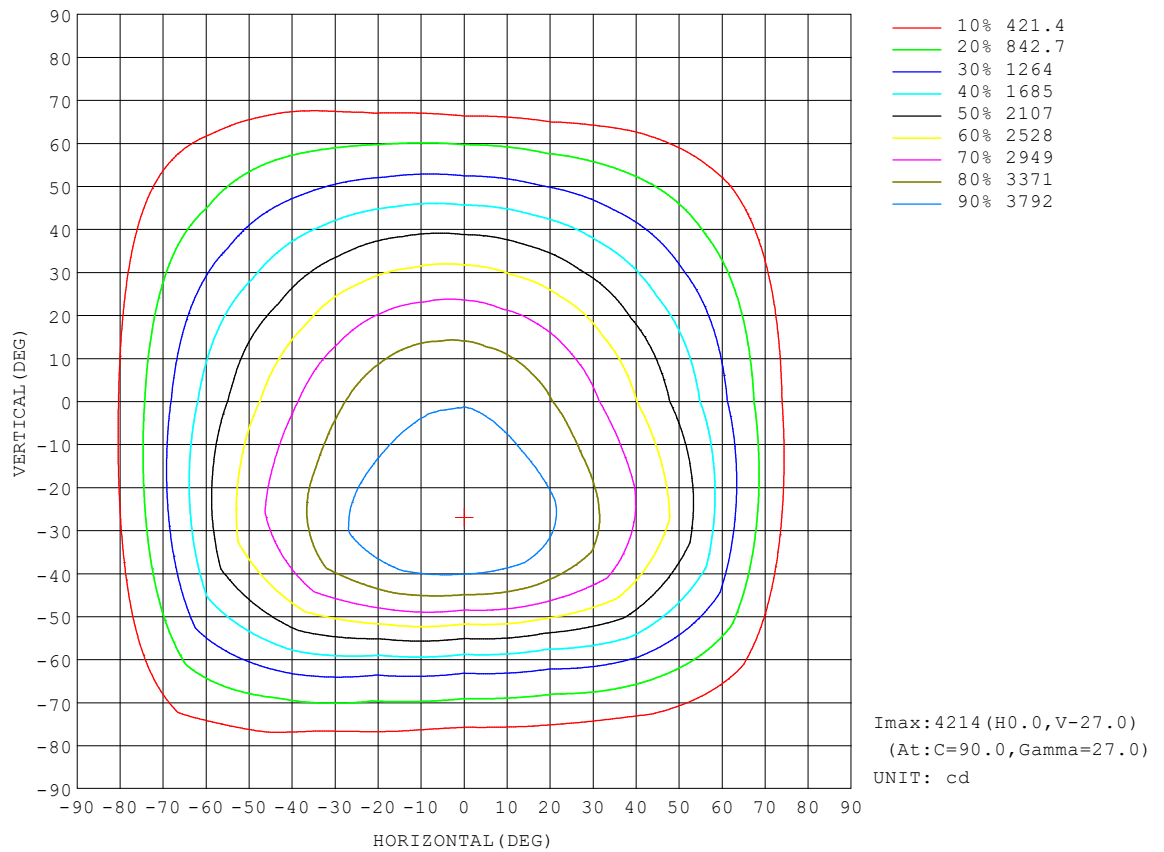
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3645	3825	3944	3882	3742	3598	3513	3538	0- 10	356.8	356.8	3.42,3.42
20	3386	3832	4137	3944	3580	3283	3114	3164	10- 20	1030	1386	13.3,13.3
30	3008	3789	4189	3950	3284	2841	2615	2674	20- 30	1585	2972	28.5,28.5
40	2536	3576	3798	3787	2882	2313	2027	2100	30- 40	1943	4914	47.1,47.1
50	1979	3017	2765	3282	2398	1716	1407	1509	40- 50	1999	6913	66.3,66.3
60	1346	2041	1558	2346	1803	1140	819.4	941.8	50- 60	1693	8606	82.5,82.5
70	673.1	1005	788.4	1282	1136	612.5	254.5	395.6	60- 70	1126	9732	93.3,93.3
80	101.0	145.6	136.7	467.7	444.8	115.5	13.99	30.13	70- 80	509.0	10241	98.2,98.2
90	6.155	3.357	2.732	4.599	8.325	5.423	4.298	6.425	80- 90	69.59	10311	98.9,98.9
100	10.39	6.279	4.371	4.857	7.305	9.573	8.781	11.35	90-100	6.557	10317	98.9,98.9
110	15.49	10.14	7.770	8.264	11.73	14.93	14.88	17.00	100-110	10.67	10328	99,99
120	20.99	14.76	12.00	12.45	16.87	20.79	21.82	22.98	110-120	14.99	10343	99.2,99.2
130	26.10	19.80	16.78	17.15	22.23	26.42	28.28	28.41	120-130	18.36	10361	99.4,99.4
140	30.20	24.54	21.62	21.82	27.09	31.16	33.51	33.07	130-140	19.70	10381	99.5,99.5
150	33.36	28.99	26.28	26.45	31.21	34.90	36.77	36.04	140-150	18.69	10400	99.7,99.7
160	36.28	33.28	30.99	30.95	34.53	37.64	38.56	37.60	150-160	15.40	10415	99.9,99.9
170	38.92	37.29	35.49	35.38	37.60	39.44	39.78	38.49	160-170	10.26	10425	100,100
180	39.89	39.81	38.97	38.37	39.64	39.72	39.34	38.25	170-180	3.664	10429	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

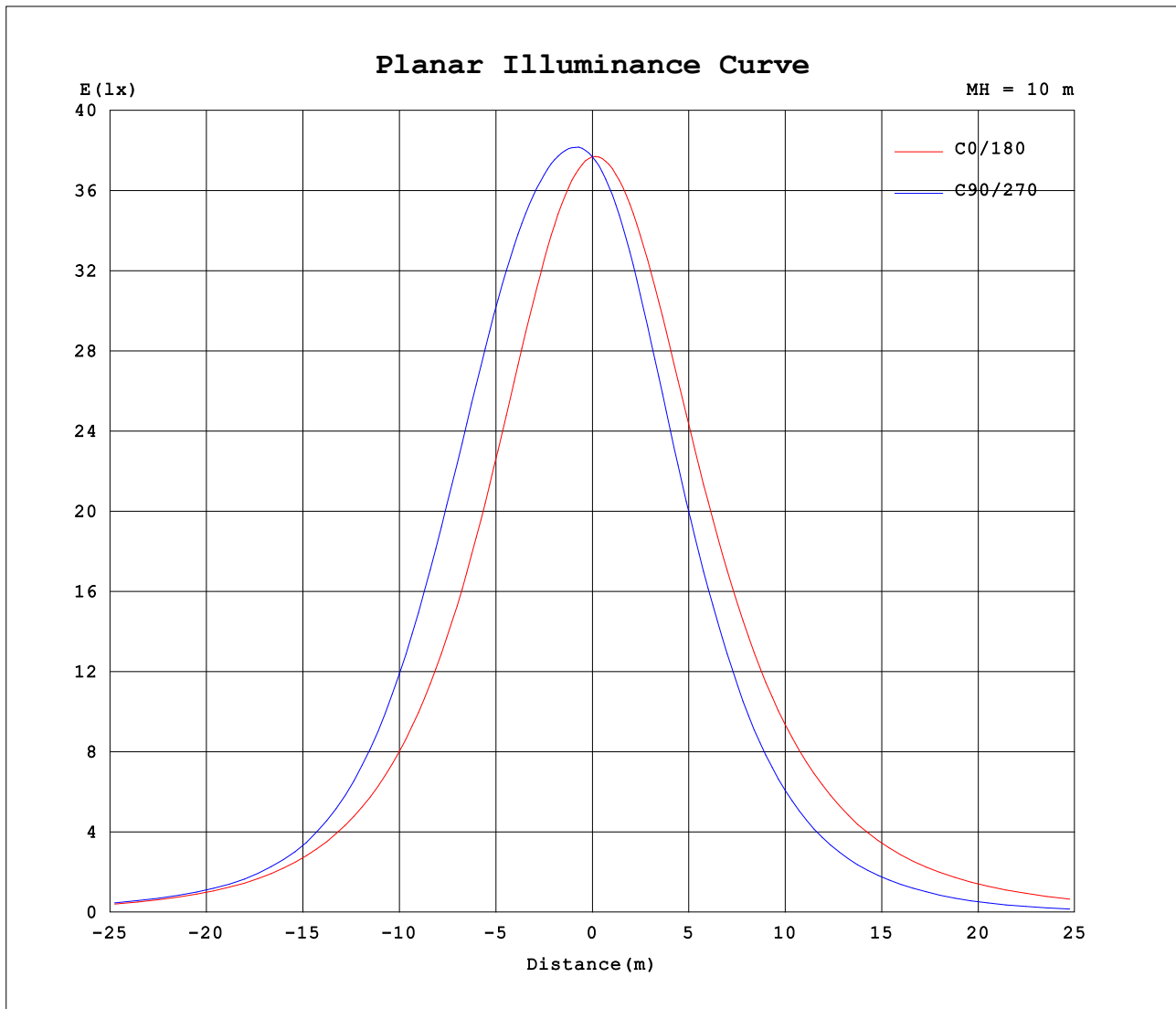
Test:U:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



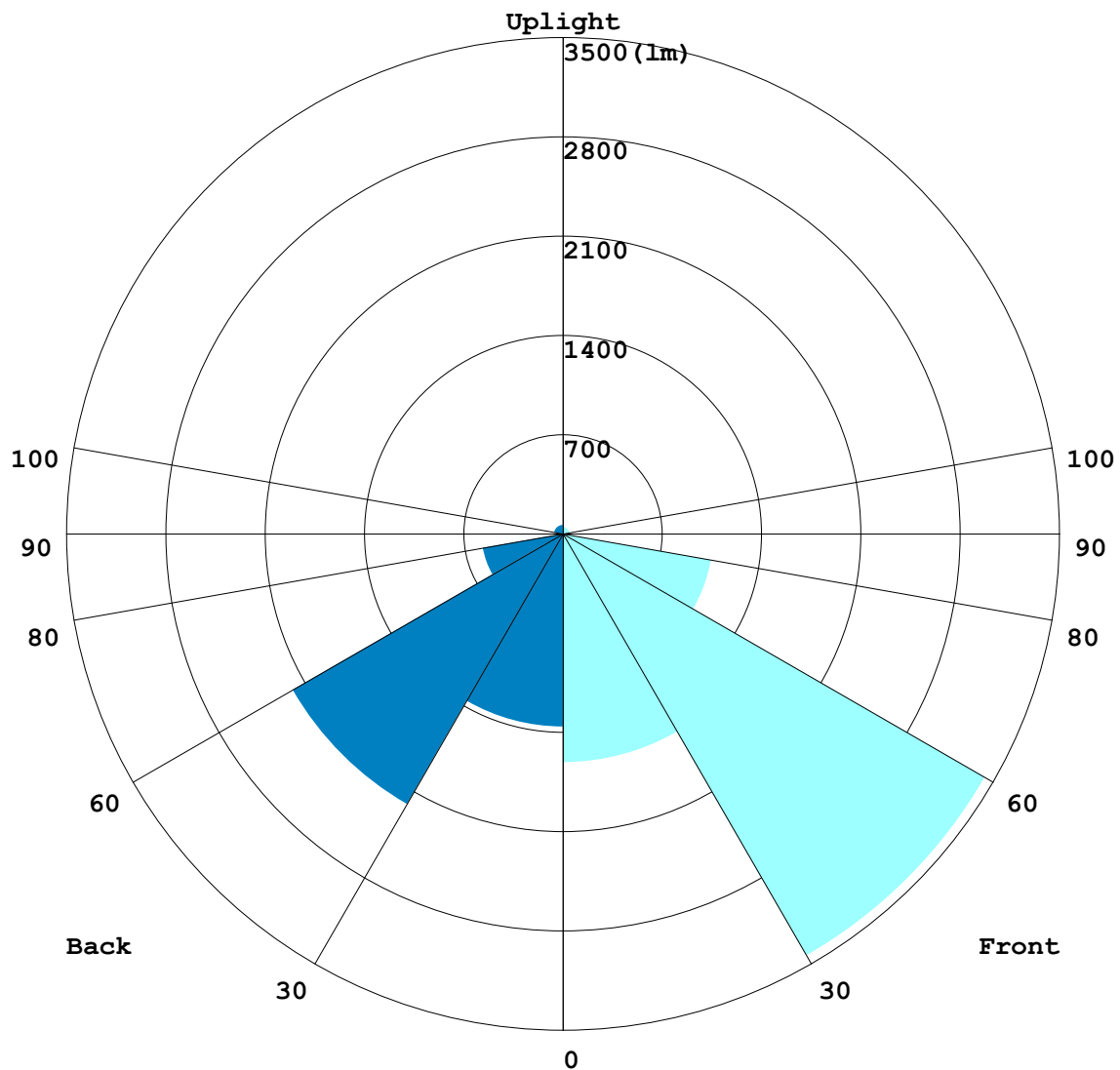
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 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)	1610.5	15.4
FM - Front-Medium(30-60)	3434.2	32.9
FH - Front-High(60-80)	1061.1	10.2
FVH - Front-Very High(80-90)	45.806	0.4
Total Forward Light	6202.5	59.5

BL - Back-Low(0-30)	1361.2	13.1
BM - Back-Medium(30-60)	2200.5	21.1
BH - Back-High(60-80)	573.63	5.5
BVH - Back-Very High(80-90)	23.781	0.2
Total Back Light	4226.7	40.5

UL - Uplight-Low(90-100)	6.5569	0.1
UH - Uplight-High(100-180)	111.74	1.1
Total Up Light	118.29	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4159.2	67.497	4226.7
Street Side	6151.7	50.798	6202.5

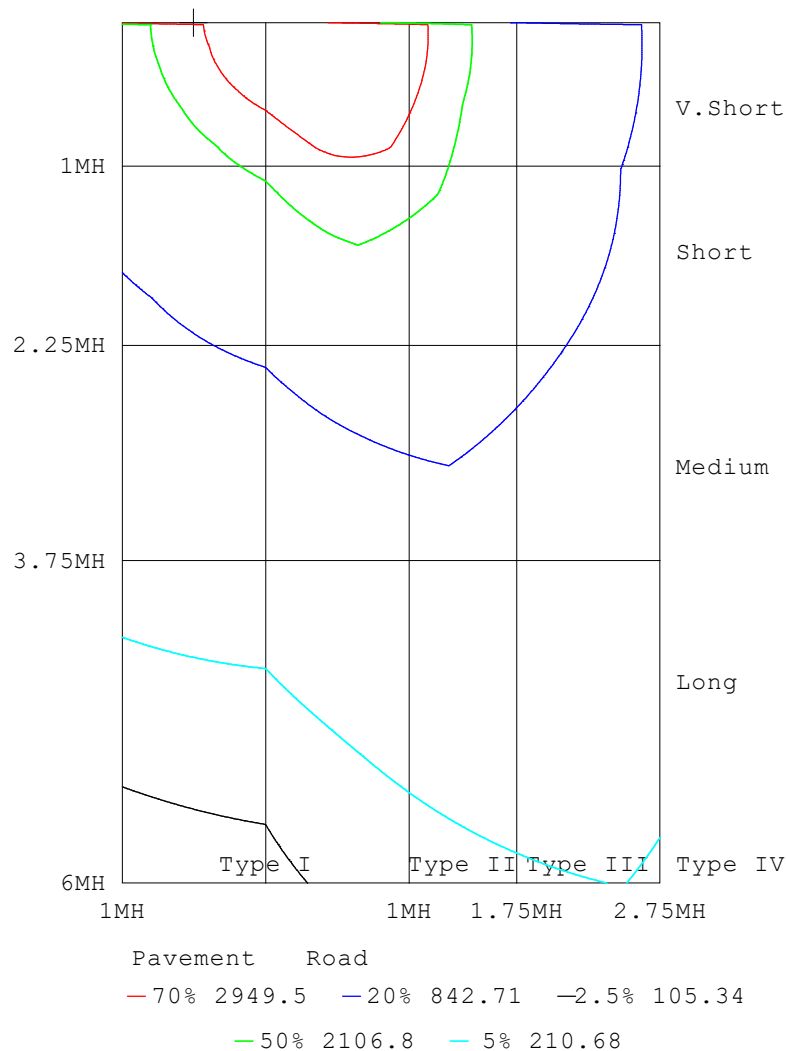
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz Lamp Flux:10429.1x1 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:275.27V I:0.2946A P:80.675W PF:0.9950 Freq:60.00Hz																	
Lamp Flux:10429.1x1 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	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765	3765			
5	3720	3765	3805	3838	3855	3854	3834	3802	3771	3728	3697	3671	3656	3654	3667	3691			
10	3645	3734	3825	3906	3944	3935	3882	3807	3742	3664	3598	3542	3513	3507	3538	3587			
15	3529	3678	3834	3975	4042	4020	3918	3787	3678	3558	3459	3372	3329	3321	3369	3442			
20	3386	3590	3832	4043	4137	4101	3944	3738	3580	3418	3283	3166	3114	3103	3164	3266			
25	3211	3483	3821	4091	4203	4165	3957	3666	3448	3242	3074	2936	2871	2857	2932	3053			
30	3008	3361	3789	4086	4189	4171	3950	3574	3284	3034	2841	2686	2615	2598	2674	2815			
35	2779	3220	3714	3987	4066	4087	3902	3465	3098	2801	2584	2423	2343	2323	2402	2554			
40	2536	3071	3576	3770	3798	3886	3787	3339	2882	2540	2313	2135	2027	2030	2100	2268			
45	2264	2896	3345	3398	3360	3536	3585	3193	2650	2262	2012	1836	1720	1724	1806	1977			
50	1979	2695	3017	2876	2765	3029	3282	3021	2398	1971	1716	1529	1407	1414	1509	1678			
55	1674	2424	2574	2249	2120	2412	2866	2792	2104	1679	1426	1223	1110	1114	1220	1389			
60	1346	2047	2041	1648	1558	1796	2346	2485	1803	1387	1140	938	819	825	942	1099			
65	1008	1615	1498	1177	1123	1298	1791	2082	1478	1088	869	630	495	508	684	807			
70	673	1151	1005	812	788	914	1282	1627	1136	793	612	329	254	248	396	541			
75	355	694	597	517	513	614	829	1147	791	526	327	168	125	114	150	302			
80	101	295	146	127	137	219	468	678	445	288	115	38.8	14.0	10.1	30.1	82.8			
85	6.62	7.33	9.07	10.3	12.8	25.2	83.2	277	142	77.3	10.3	4.24	3.68	4.18	5.37	6.48			
90	6.15	4.42	3.36	2.72	2.73	3.40	4.60	6.13	8.33	6.37	5.42	4.55	4.30	5.13	6.43	6.87			
95	8.15	6.04	4.69	3.65	3.08	3.05	3.53	4.30	5.43	6.87	7.18	6.56	6.31	7.30	8.76	9.03			
100	10.4	7.91	6.28	5.05	4.37	4.30	4.86	5.83	7.31	8.98	9.57	9.09	8.78	9.94	11.4	11.4			
105	12.9	10.0	8.12	6.73	5.95	5.82	6.45	7.62	9.42	11.3	12.2	11.9	11.7	12.9	14.1	14.0			
110	15.5	12.3	10.1	8.65	7.77	7.59	8.26	9.67	11.7	13.9	14.9	15.0	14.9	16.1	17.0	16.7			
115	18.2	14.8	12.3	10.8	9.79	9.59	10.3	11.9	14.3	16.6	17.9	18.3	18.4	19.4	20.0	19.5			
120	21.0	17.4	14.8	13.0	12.0	11.8	12.4	14.3	16.9	19.4	20.8	21.6	21.8	22.7	23.0	22.4			
125	23.7	20.0	17.3	15.5	14.4	14.1	14.8	16.7	19.6	22.2	23.7	24.8	25.3	25.9	25.8	25.0			
130	26.1	22.4	19.8	18.0	16.8	16.5	17.1	19.1	22.2	24.9	26.4	27.7	28.3	28.7	28.4	27.4			
135	28.2	24.7	22.2	20.4	19.3	18.8	19.5	21.4	24.7	27.3	28.9	30.3	31.0	31.3	30.9	29.6			
140	30.2	26.9	24.5	22.8	21.6	21.2	21.8	23.7	27.1	29.7	31.2	32.7	33.5	33.7	33.1	31.7			
145	31.9	28.9	26.8	25.1	24.0	23.5	24.2	25.8	29.2	31.7	33.1	34.5	35.4	35.5	34.7	33.3			
150	33.4	30.9	29.0	27.4	26.3	25.8	26.4	27.9	31.2	33.6	34.9	36.1	36.8	36.8	36.0	34.8			
155	34.8	32.8	31.1	29.7	28.7	28.2	28.7	29.9	33.0	35.2	36.5	37.3	37.8	37.6	37.1	36.0			
160	36.3	34.6	33.3	32.0	31.0	30.6	30.9	31.9	34.5	36.5	37.6	38.4	38.6	38.2	37.6	36.8			
165	37.6	36.4	35.4	34.3	33.3	33.0	33.2	33.9	36.0	37.5	38.6	39.2	39.2	38.6	38.0	37.5			
170	38.9	38.1	37.3	36.5	35.5	35.3	35.4	35.8	37.6	38.6	39.4	39.9	39.8	39.1	38.5	38.3			
175	39.7	39.2	38.7	38.2	37.3	37.2	37.1	37.3	38.9	39.4	39.8	40.0	39.6	39.0	38.5	38.6			
180	39.9	39.6	39.8	39.8	39.0	38.8	38.4	38.3	39.6	39.7	39.7	39.6	39.3	38.6	38.2	38.6			

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: