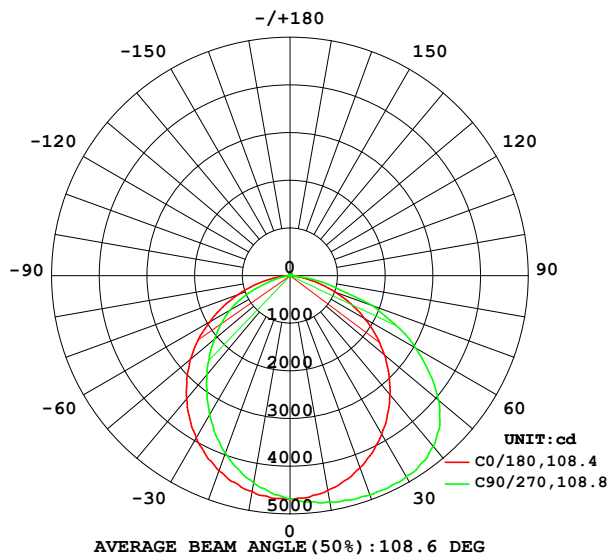
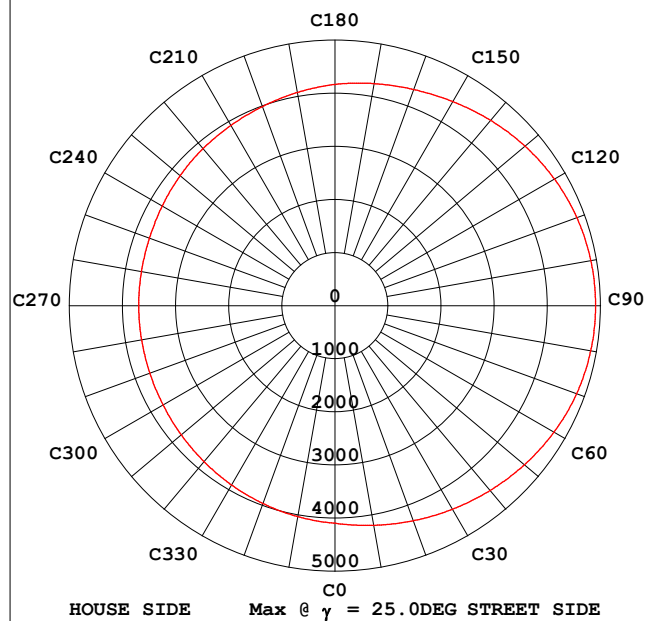


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.83 lm/W			
MODEL		I _{max} (cd)	4906	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.2
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	13600	η house_up (%)	0.6
NOMINAL FLUX (lm)	13599.9	MAXIMUM @ (C, γ)	90, 25.0	η house_down (%)	40.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

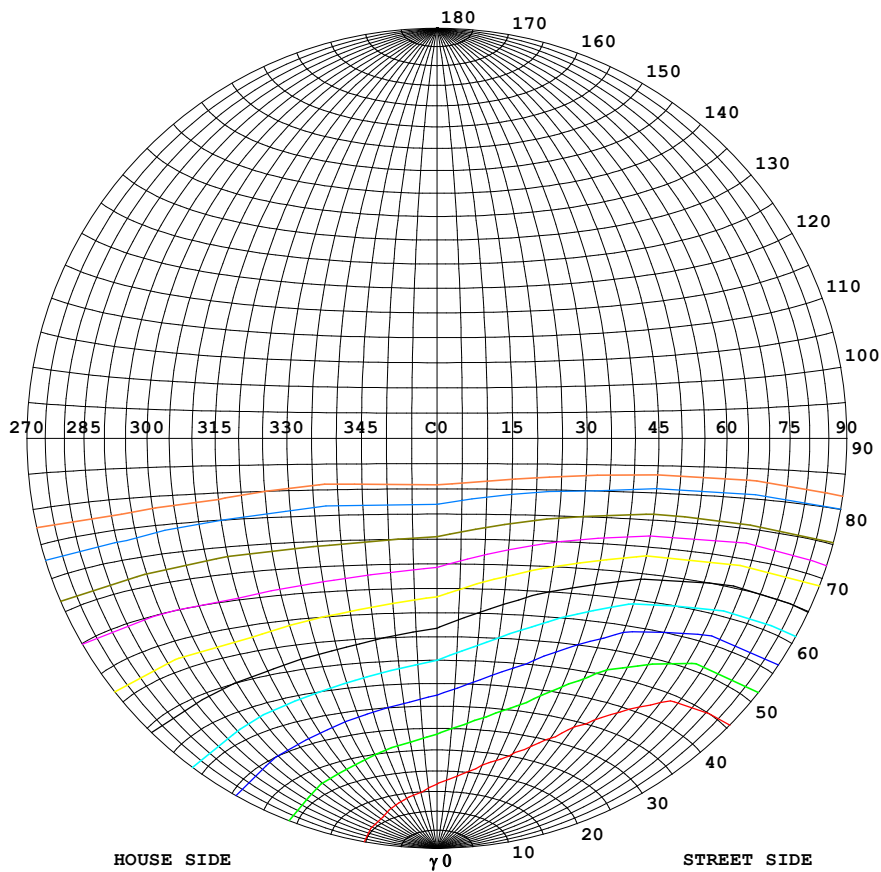
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

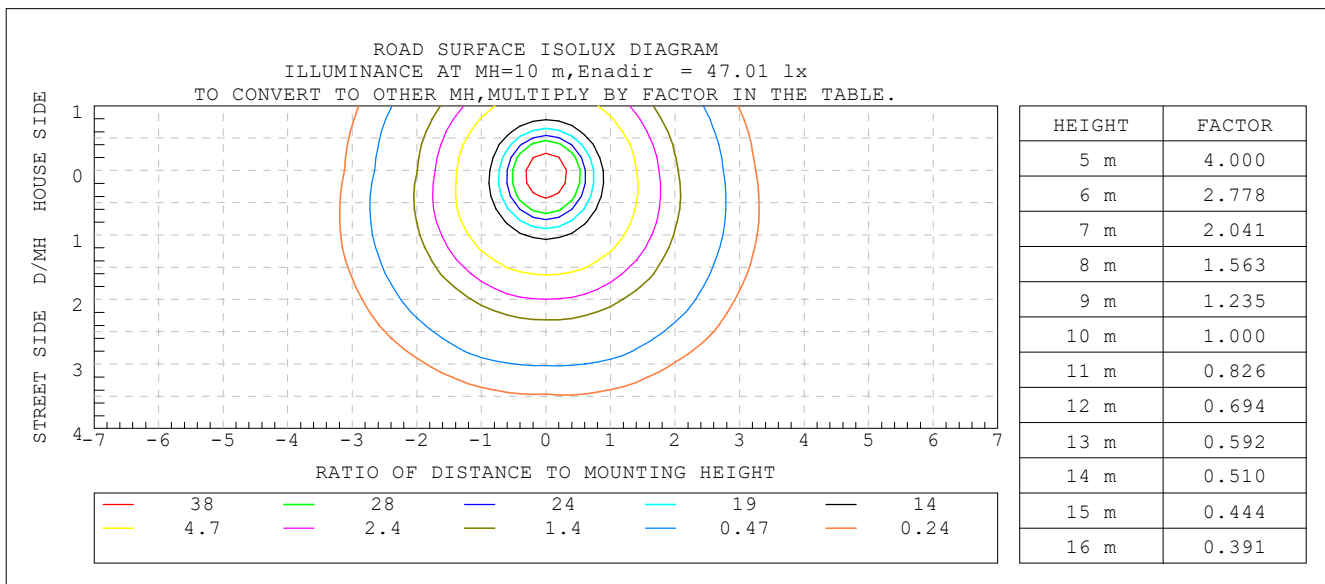
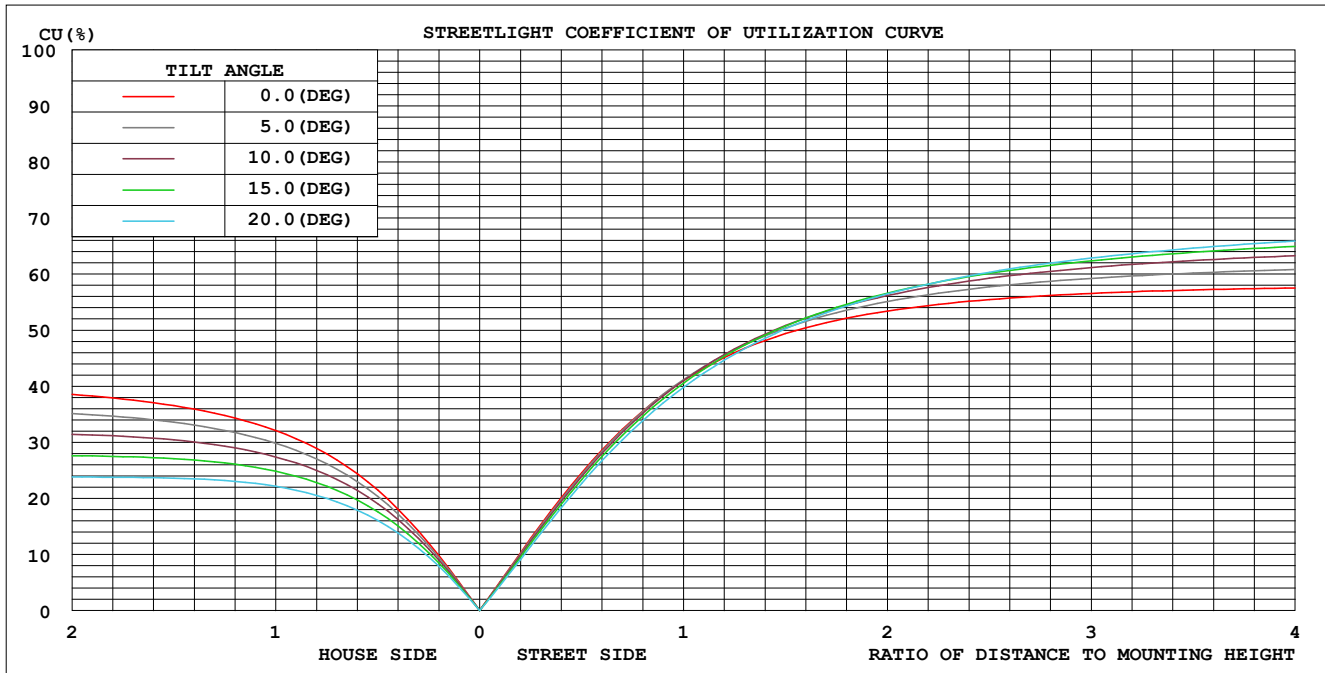
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:46.48cd/klm
Max.At90:0.6534cd/klm
Max.80-90:46.48cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4906
90%	4416
80%	3925
70%	3434
60%	2944
50%	2453
40%	1963
30%	1472
20%	981
10%	491
5%	245

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

gamma Range: 0 - 180DEG
gamma 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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

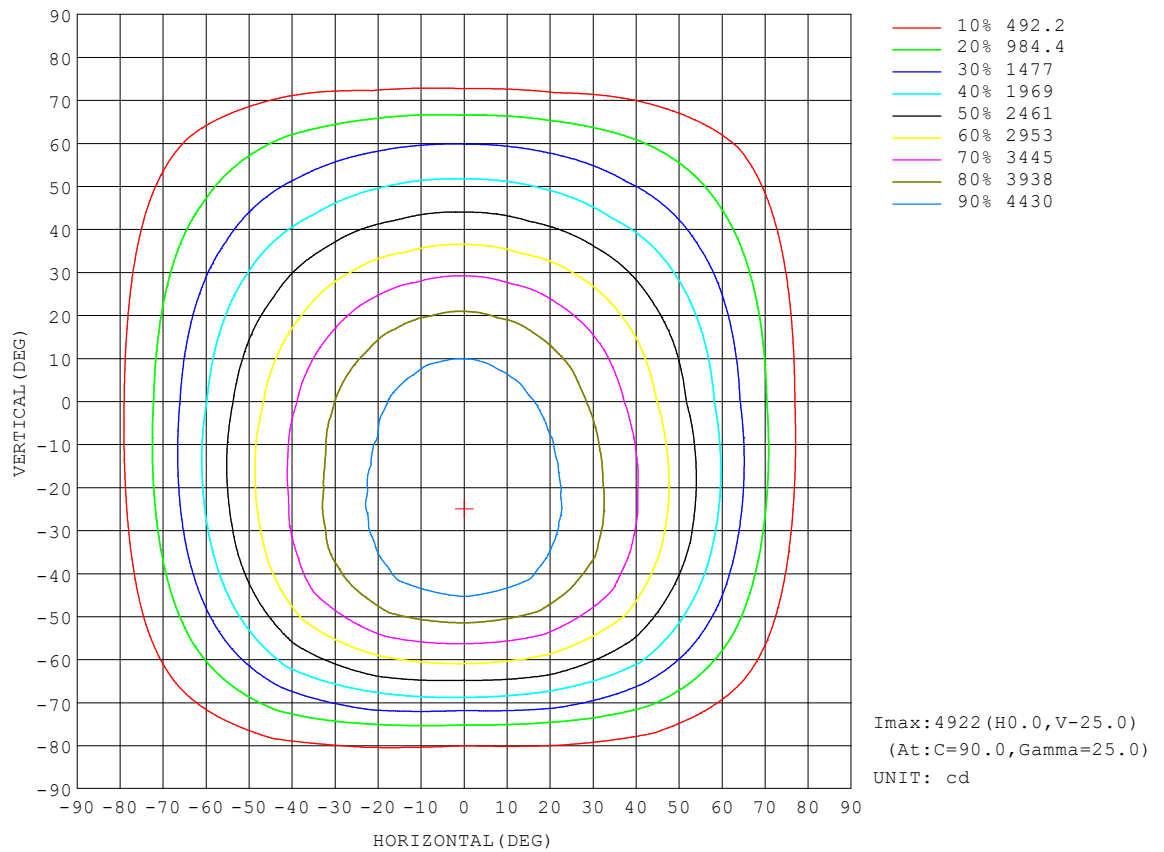
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4570	4738	4818	4741	4599	4461	4410	4458	0- 10	444.2	444.2	3.27,3.27
20	4296	4676	4900	4693	4360	4094	3969	4060	10- 20	1275	1719	12.6,12.6
30	3848	4496	4872	4499	3935	3544	3378	3513	20- 30	1943	3662	26.9,26.9
40	3261	4191	4678	4219	3374	2892	2707	2843	30- 40	2369	6031	44.3,44.3
50	2588	3682	4065	3721	2725	2197	2070	2145	40- 50	2495	8526	62.7,62.7
60	1813	2849	3041	2940	1950	1538	1458	1489	50- 60	2272	10797	79.4,79.4
70	1013	1767	1837	1874	1163	924.1	674.4	871.0	60- 70	1696	12493	91.9,91.9
80	292.4	542.5	494.4	608.4	428.7	235.2	135.3	188.2	70- 80	831.3	13324	98,98
90	6.486	4.779	4.576	5.263	6.897	8.112	8.627	8.605	80- 90	127.6	13452	98.9,98.9
100	11.21	8.359	7.373	8.099	10.19	13.96	15.27	14.48	90-100	9.450	13461	99,99
110	16.99	12.87	11.69	12.63	15.74	20.41	22.45	20.78	100-110	14.66	13476	99.1,99.1
120	23.38	18.29	16.74	17.90	22.09	27.41	29.90	27.62	110-120	19.61	13495	99.2,99.2
130	29.39	23.90	22.30	23.51	28.28	33.84	36.24	33.72	120-130	23.28	13519	99.4,99.4
140	34.37	29.17	27.44	28.57	33.54	38.71	40.63	38.09	130-140	24.29	13543	99.6,99.6
150	38.45	34.12	32.40	33.24	37.79	41.93	43.34	40.84	140-150	22.44	13565	99.7,99.7
160	42.10	38.58	37.09	37.60	41.46	43.94	44.47	42.53	150-160	18.16	13584	99.9,99.9
170	45.51	42.88	41.58	42.05	45.27	45.77	45.54	44.35	160-170	12.01	13596	100,100
180	47.19	46.00	45.44	45.21	47.50	46.12	45.52	44.85	170-180	4.283	13600	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

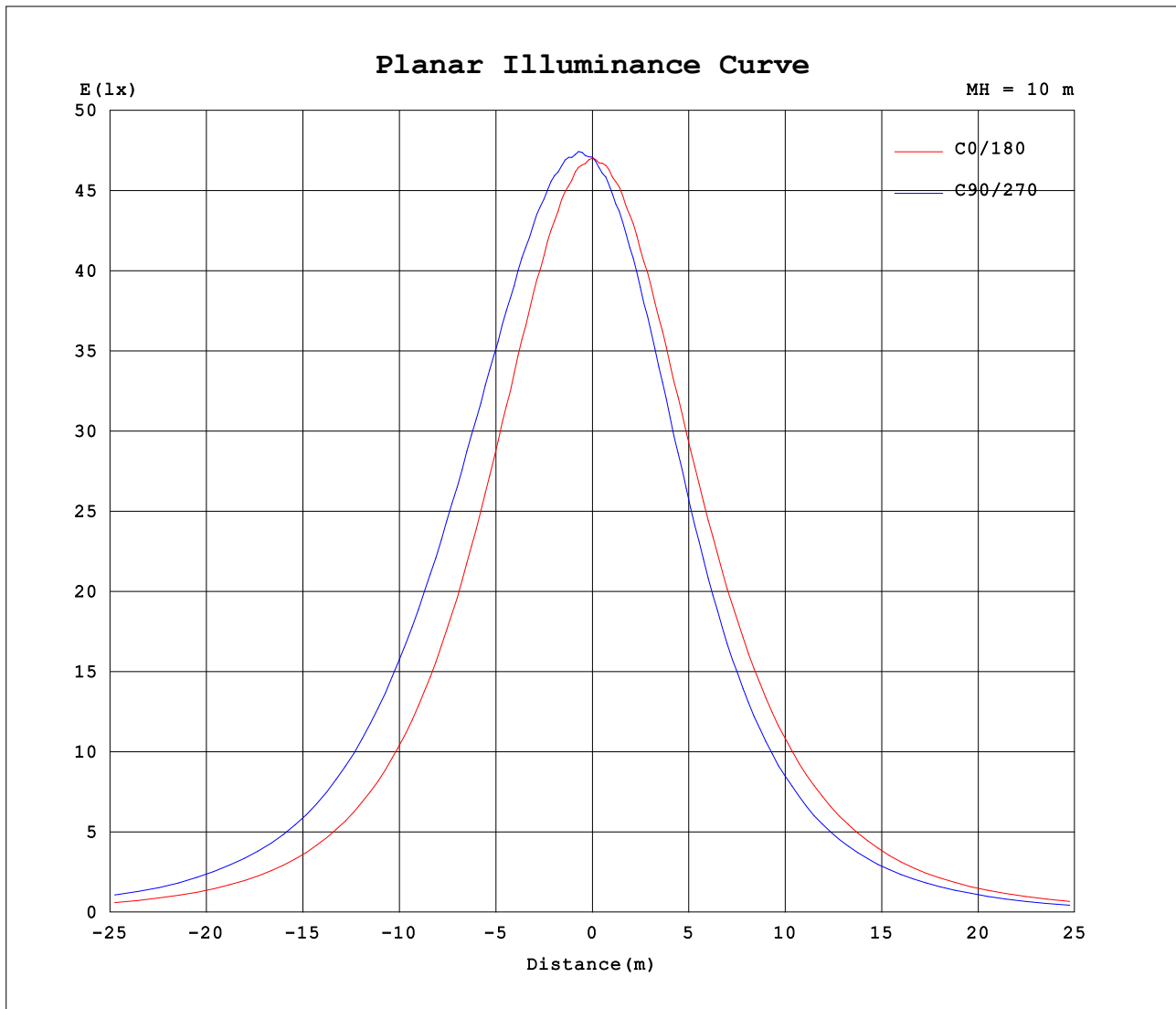
Test:U:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



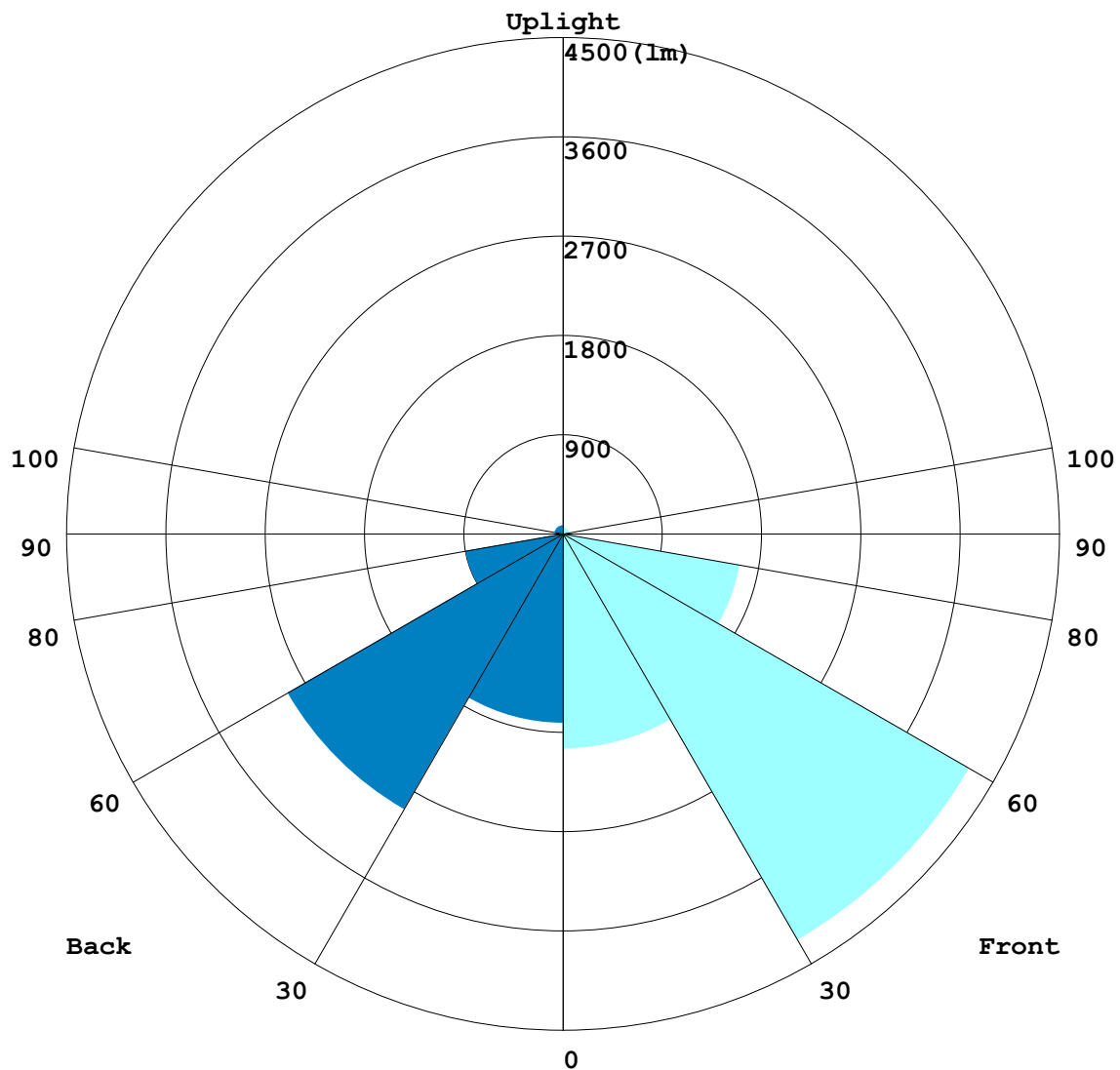
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 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)	1948.4	14.3
FM - Front-Medium(30-60)	4250.1	31.3
FH - Front-High(60-80)	1627.9	12.0
FVH - Front-Very High(80-90)	86.404	0.6
Total Forward Light	7976.6	58.7

BL - Back-Low(0-30)	1713.7	12.6
BM - Back-Medium(30-60)	2884.8	21.2
BH - Back-High(60-80)	899.12	6.6
BVH - Back-Very High(80-90)	41.22	0.3
Total Back Light	5623.3	41.3

UL - Uplight-Low(90-100)	9.4501	0.1
UH - Uplight-High(100-180)	138.74	1.0
Total Up Light	148.19	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5538.8	84.465	5623.3
Street Side	7912.9	63.727	7976.6

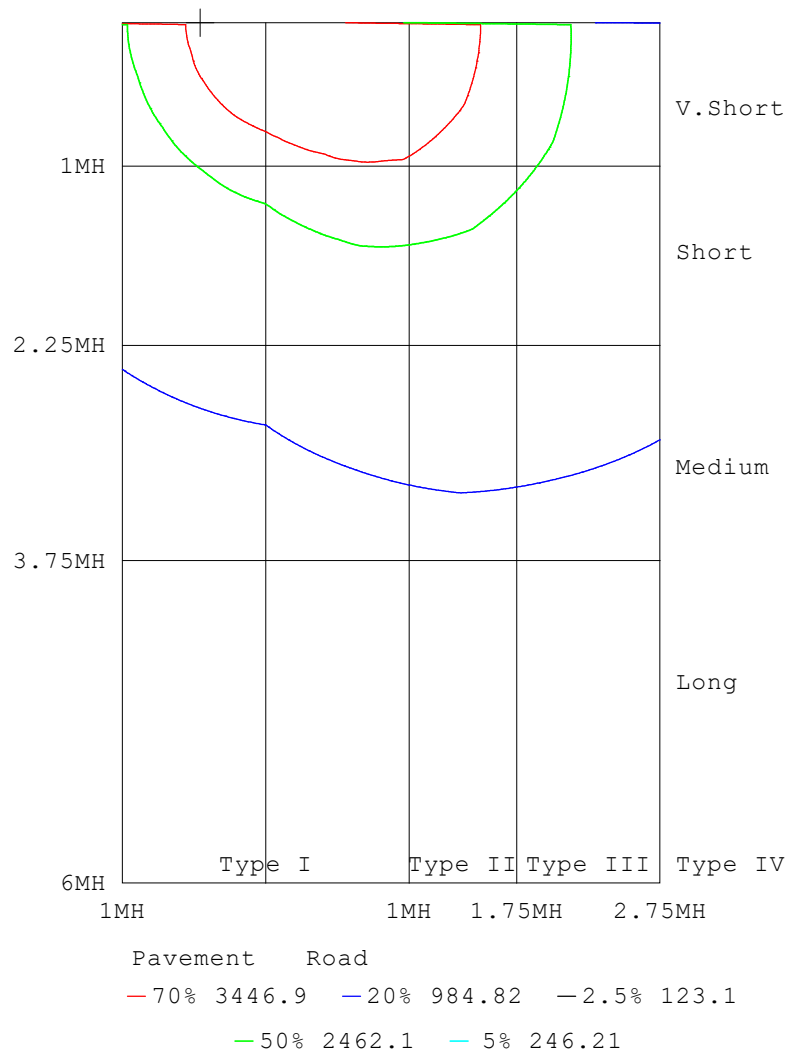
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 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:275.56V I:0.2958A P:80.553W PF:0.9882 Freq:60.00Hz Lamp Flux:13599.9x1 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	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694	4694			
5	4663	4715	4742	4771	4764	4773	4733	4700	4676	4644	4602	4594	4574	4593	4600	4635			
10	4570	4691	4738	4834	4818	4838	4741	4682	4599	4552	4461	4448	4410	4443	4458	4531			
15	4450	4615	4715	4858	4872	4862	4735	4622	4495	4405	4296	4248	4202	4240	4271	4368			
20	4296	4489	4676	4855	4900	4861	4693	4509	4360	4206	4094	3997	3969	3985	4060	4165			
25	4096	4338	4601	4825	4906	4832	4618	4357	4168	3973	3838	3726	3697	3716	3807	3948			
30	3848	4167	4496	4793	4872	4799	4499	4173	3935	3724	3544	3428	3378	3410	3513	3680			
35	3562	3949	4351	4732	4807	4738	4370	3970	3664	3434	3222	3096	3036	3076	3186	3381			
40	3261	3703	4191	4584	4678	4598	4219	3736	3374	3112	2892	2750	2707	2736	2843	3045			
45	2938	3419	3969	4355	4443	4374	4007	3464	3066	2766	2552	2423	2397	2401	2506	2703			
50	2588	3125	3682	4016	4065	4047	3721	3167	2725	2415	2197	2109	2070	2091	2145	2359			
55	2211	2795	3309	3576	3569	3617	3370	2843	2359	2067	1858	1803	1767	1781	1815	1999			
60	1813	2402	2849	3047	3041	3093	2940	2466	1950	1705	1538	1494	1458	1469	1489	1630			
65	1411	1915	2330	2499	2429	2549	2427	1999	1557	1339	1233	1171	1101	1138	1180	1266			
70	1013	1417	1767	1825	1837	1874	1874	1521	1163	995	924	776	674	738	871	925			
75	625	917	1104	1036	1001	1102	1201	1021	777	663	568	396	353	367	486	604			
80	292	452	542	579	494	632	608	570	429	378	235	160	135	137	188	314			
85	42.1	99.7	90.7	55.9	64.6	100	135	154	131	100	38.5	12.6	9.35	9.58	15.3	48.1			
90	6.49	5.33	4.78	4.67	4.58	4.91	5.26	5.84	6.90	7.30	8.11	8.60	8.63	8.89	8.60	7.62			
95	8.69	7.22	6.39	5.76	5.56	5.64	6.19	6.94	7.80	9.48	10.9	11.7	11.8	12.0	11.4	10.1			
100	11.2	9.40	8.36	7.64	7.37	7.48	8.10	9.07	10.2	12.3	14.0	15.1	15.3	15.4	14.5	12.9			
105	14.0	11.8	10.5	9.77	9.42	9.61	10.2	11.5	12.8	15.2	17.1	18.6	18.9	18.8	17.6	15.9			
110	17.0	14.4	12.9	12.1	11.7	11.9	12.6	14.1	15.7	18.4	20.4	22.1	22.4	22.3	20.8	19.0			
115	20.2	17.2	15.5	14.5	14.1	14.3	15.2	16.8	18.9	21.7	23.9	25.6	26.2	25.8	24.2	22.3			
120	23.4	20.2	18.3	17.1	16.7	16.9	17.9	19.7	22.1	25.2	27.4	29.3	29.9	29.4	27.6	25.7			
125	26.5	23.3	21.1	20.0	19.5	19.7	20.7	22.6	25.3	28.6	30.8	32.8	33.3	32.9	30.9	28.8			
130	29.4	26.1	23.9	22.8	22.3	22.5	23.5	25.6	28.3	31.6	33.8	35.7	36.2	35.8	33.7	31.6			
135	32.0	28.7	26.6	25.4	25.0	25.1	26.1	28.2	31.1	34.2	36.6	38.1	38.6	38.1	36.1	33.8			
140	34.4	31.3	29.2	27.9	27.4	27.5	28.6	30.4	33.5	36.5	38.7	40.2	40.6	40.0	38.1	35.9			
145	36.3	33.7	31.5	30.5	29.9	30.0	30.9	32.8	35.7	38.6	40.4	42.0	42.2	41.7	39.5	37.7			
150	38.5	36.0	34.1	32.9	32.4	32.4	33.2	34.8	37.8	40.1	41.9	43.1	43.3	42.6	40.8	39.3			
155	40.3	38.2	36.4	35.3	34.9	34.8	35.5	36.9	39.7	41.6	43.1	43.9	43.9	43.2	41.7	40.4			
160	42.1	40.5	38.6	37.7	37.1	37.1	37.6	39.0	41.5	43.0	43.9	44.7	44.5	44.0	42.5	41.7			
165	43.9	42.6	40.9	40.0	39.4	39.4	39.9	41.0	43.4	44.2	45.0	45.3	45.0	44.5	43.4	42.9			
170	45.5	44.5	42.9	42.2	41.6	41.7	42.1	42.8	45.3	45.5	45.8	46.0	45.5	45.1	44.4	44.3			
175	46.7	46.1	44.6	44.3	43.7	43.8	43.9	44.2	46.7	46.6	46.4	46.3	45.7	45.6	44.9	45.2			
180	47.2	46.7	46.0	46.0	45.4	45.3	45.2	45.0	47.5	46.4	46.1	45.8	45.5	45.2	44.9	45.3			

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: