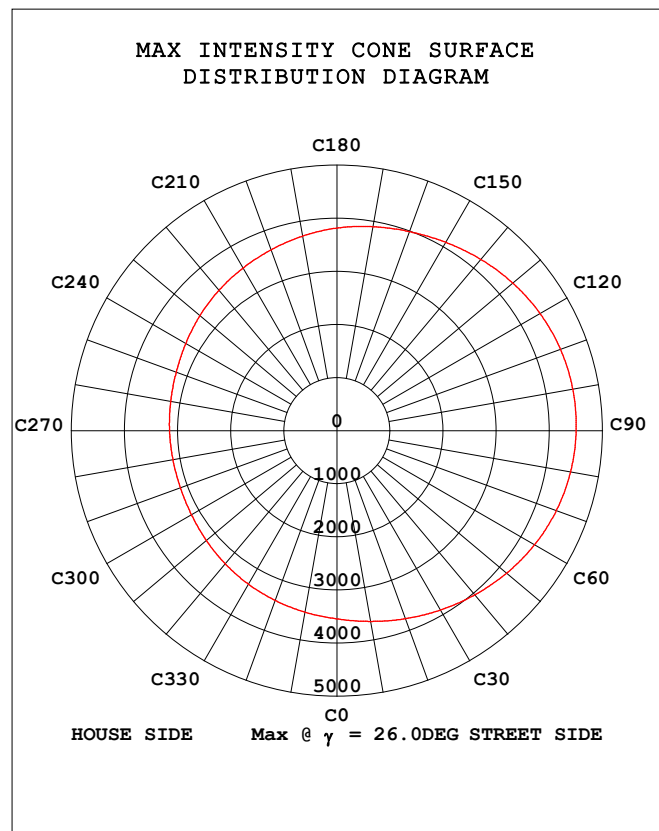
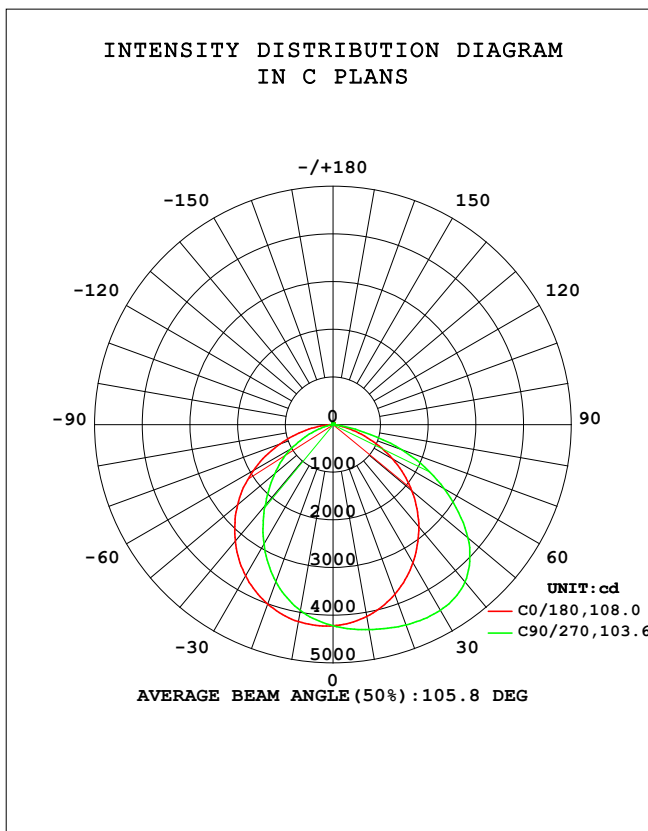


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.27V I:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.16 lm/W			
MODEL		I _{max} (cd)	4504	η street_up (%)	0.5
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	59.6
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	11942	η house_up (%)	0.7
NOMINAL FLUX(lm)	11942.4	MAXIMUM @ (C, γ)	90,26.0	η house_down (%)	39.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

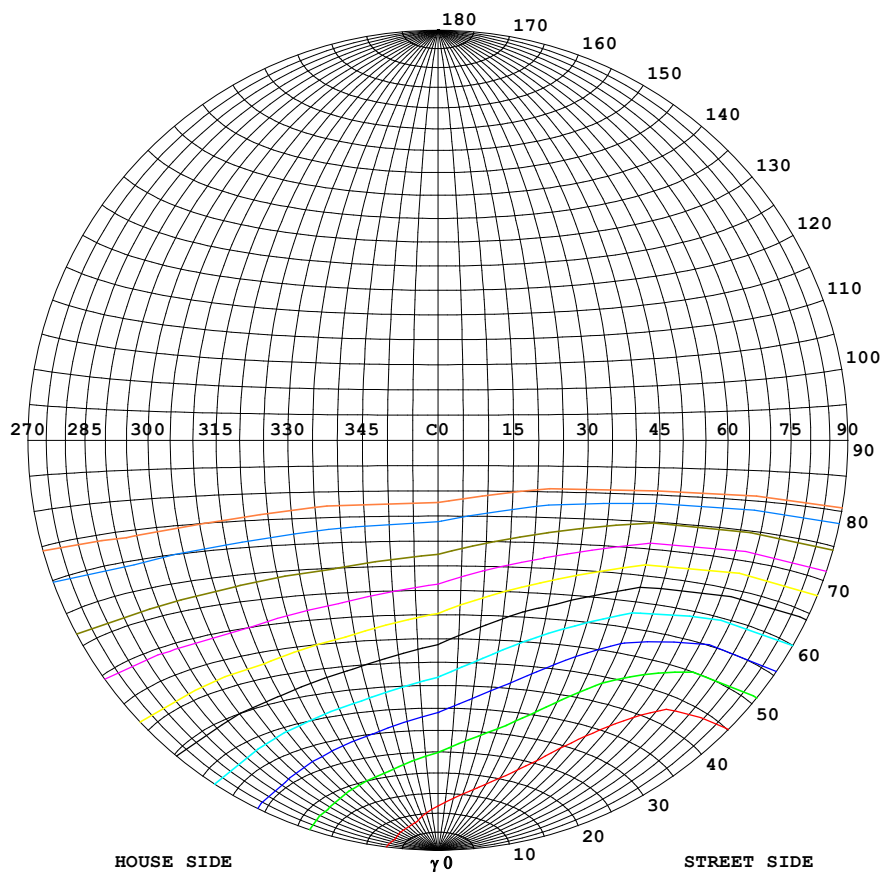


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

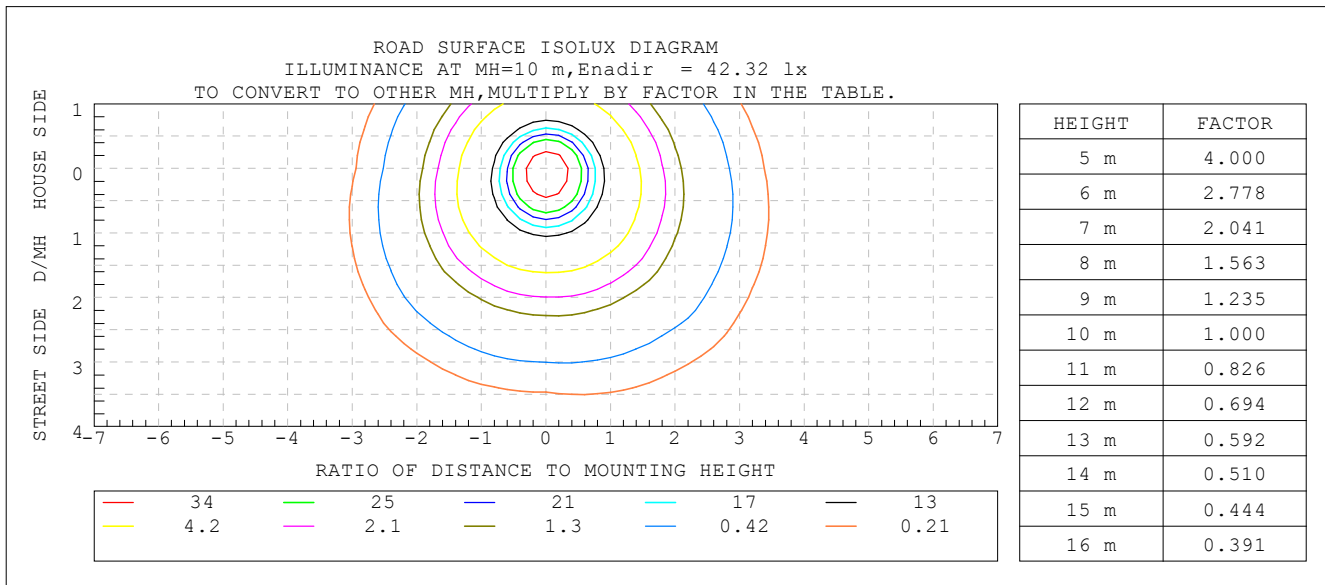
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.55cd/klm
Max.At90:0.7500cd/klm
Max.80-90:57.55cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4504
90%	4053
80%	3603
70%	3153
60%	2702
50%	2252
40%	1801
30%	1351
20%	901
10%	450
5%	225

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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

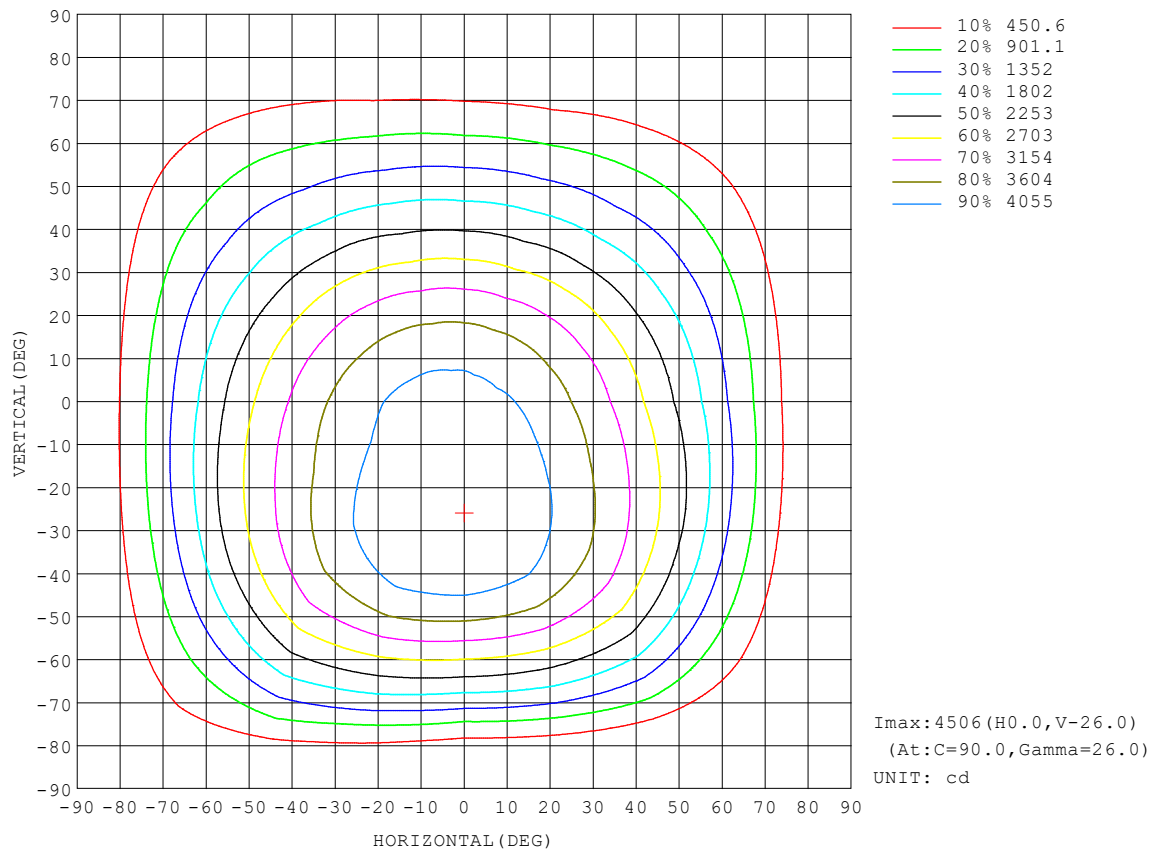
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4086	4254	4365	4319	4195	4047	3957	3979	0- 10	399.4	399.4	3.34,3.34
20	3789	4187	4471	4314	4008	3702	3511	3570	10- 20	1147	1546	12.9,12.9
30	3352	4031	4499	4223	3665	3192	2898	3001	20- 30	1747	3293	27.6,27.6
40	2802	3753	4309	4004	3190	2562	2222	2336	30- 40	2122	5415	45.3,45.3
50	2162	3260	3695	3575	2613	1881	1592	1659	40- 50	2212	7628	63.9,63.9
60	1443	2503	2696	2866	1933	1270	1017	1063	50- 60	1983	9610	80.5,80.5
70	705.5	1468	1509	1883	1183	711.3	437.5	492.5	60- 70	1435	11045	92.5,92.5
80	111.0	303.7	255.3	687.2	457.5	173.5	34.29	49.63	70- 80	673.3	11719	98.1,98.1
90	6.470	3.936	3.575	5.343	8.956	7.110	7.434	8.319	80- 90	88.26	11807	98.9,98.9
100	11.06	7.181	5.409	5.632	7.708	11.75	13.67	14.03	90-100	8.100	11815	98.9,98.9
110	16.67	11.43	9.128	9.410	12.50	17.76	20.77	20.26	100-110	12.76	11828	99,99
120	22.71	16.56	13.77	14.10	18.14	24.31	28.05	26.88	110-120	17.46	11845	99.2,99.2
130	28.37	22.10	19.21	19.38	24.03	30.62	34.51	32.72	120-130	21.04	11866	99.4,99.4
140	32.96	27.33	24.59	24.55	29.48	35.79	39.19	37.32	130-140	22.31	11889	99.6,99.6
150	36.55	32.28	29.82	29.65	34.08	39.52	42.23	40.37	140-150	20.98	11910	99.7,99.7
160	39.94	36.91	34.95	34.45	37.91	41.81	43.72	42.01	150-160	17.20	11927	99.9,99.9
170	42.95	41.22	39.70	39.26	41.44	43.42	44.32	42.87	160-170	11.40	11938	100,100
180	44.05	43.80	43.41	42.44	43.83	43.79	43.71	42.64	170-180	4.058	11942	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

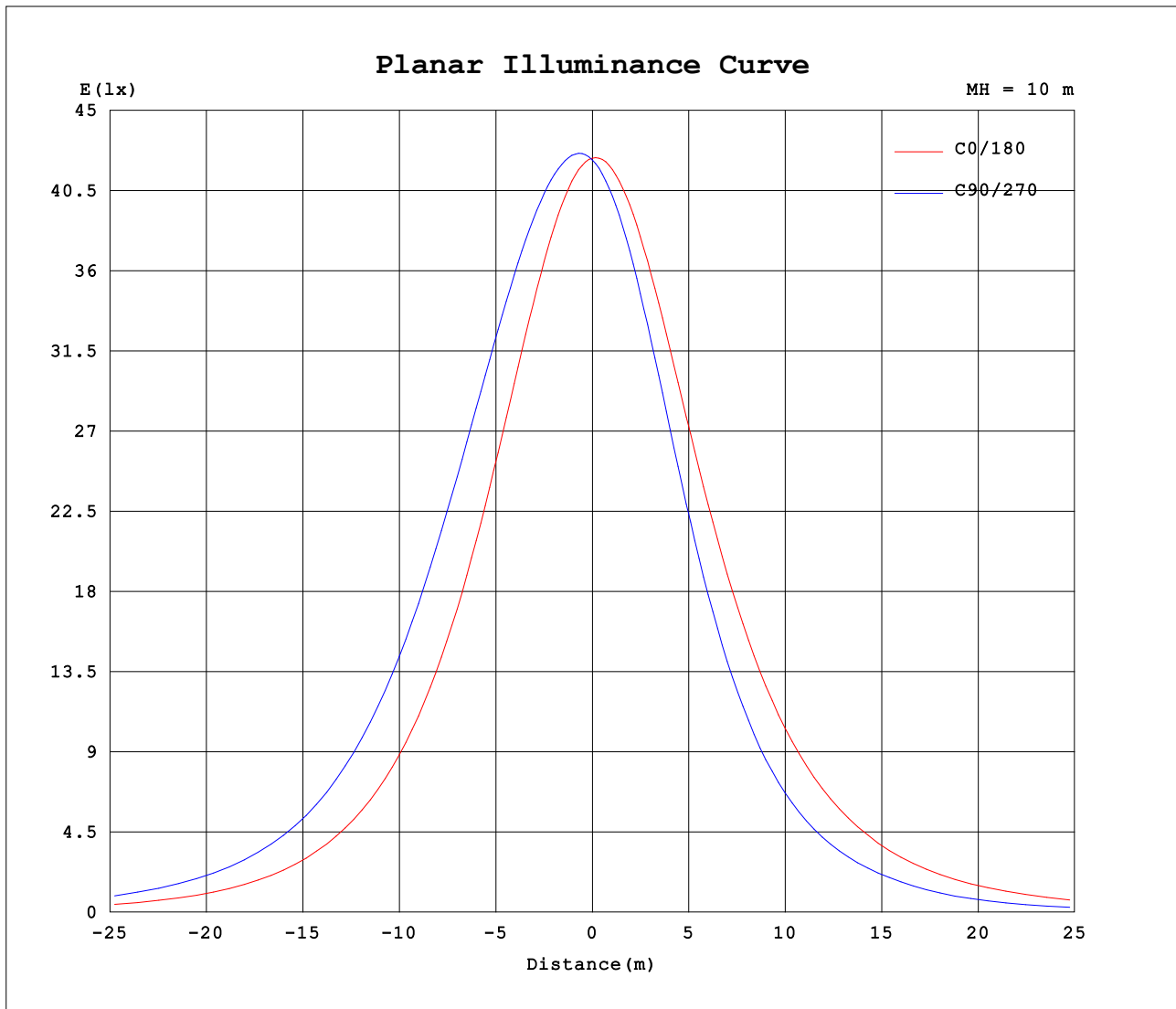
Test:U:275.27V I:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



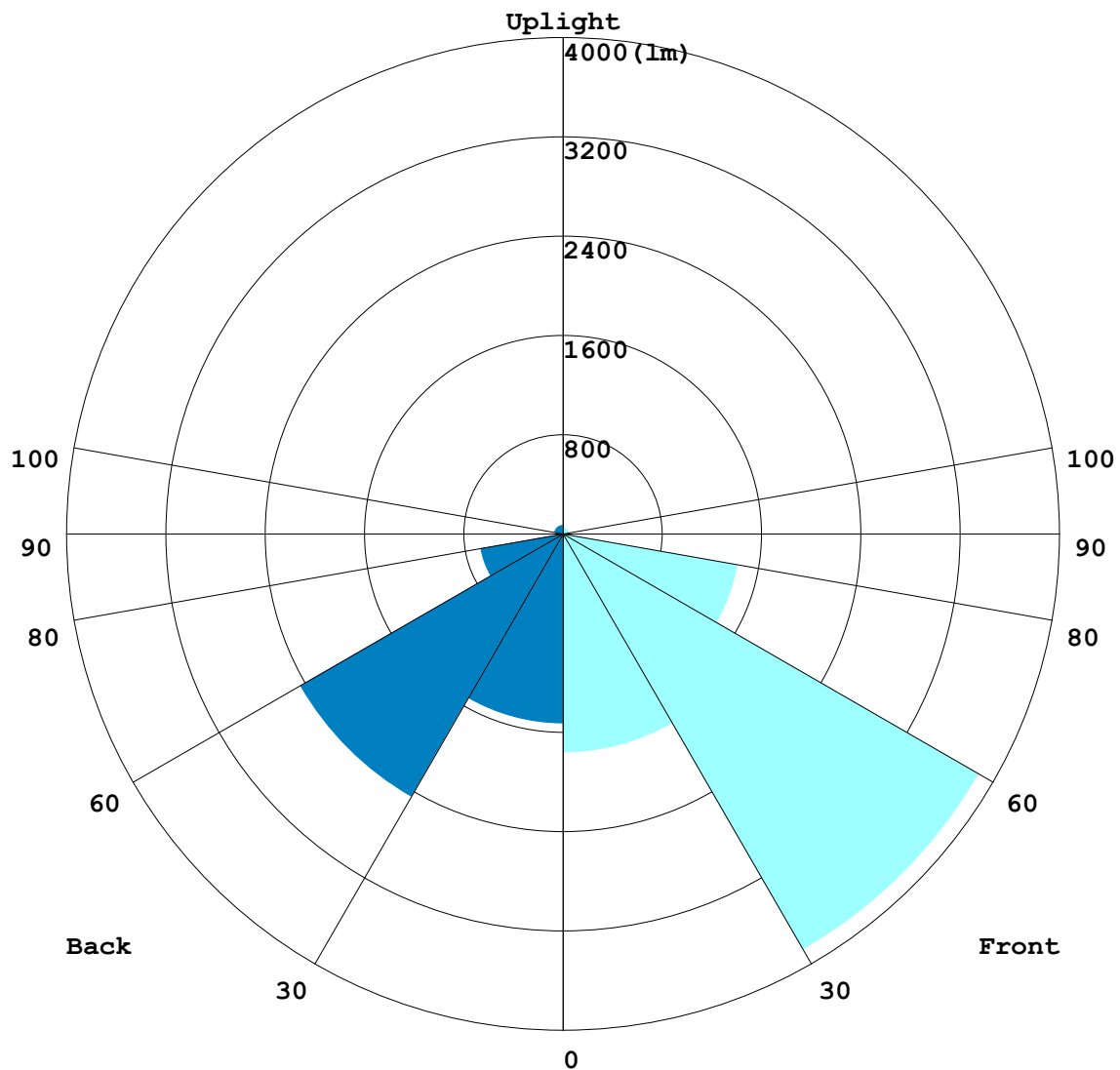
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 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)	1763.4	14.8
FM - Front-Medium(30-60)	3869.1	32.4
FH - Front-High(60-80)	1431.2	12.0
FVH - Front-Very High(80-90)	59.417	0.5
Total Forward Light	7179.9	60.1

BL - Back-Low(0-30)	1529.8	12.8
BM - Back-Medium(30-60)	2448.1	20.5
BH - Back-High(60-80)	677.1	5.7
BVH - Back-Very High(80-90)	28.844	0.2
Total Back Light	4762.4	39.9

UL - Uplight-Low(90-100)	8.0999	0.1
UH - Uplight-High(100-180)	127.22	1.1
Total Up Light	135.32	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4683.9	78.528	4762.4
Street Side	7123.1	56.796	7179.9

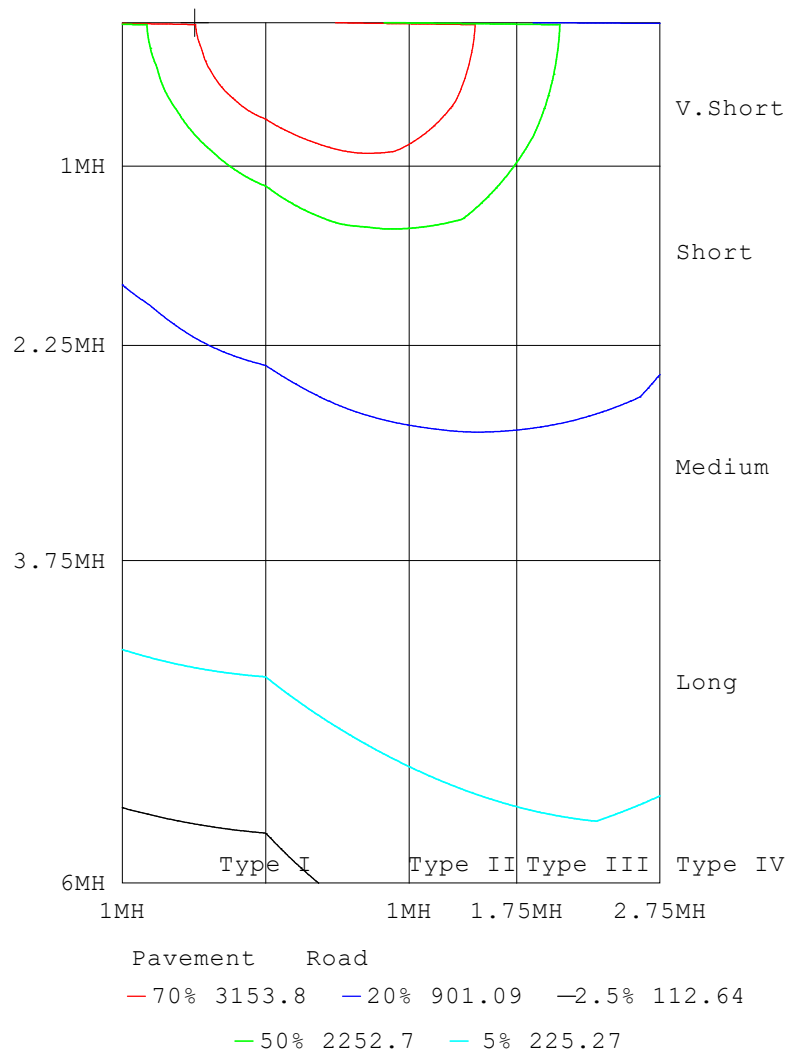
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 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:0.2725A P:74.567W PF:0.9942 Freq:60.00Hz Lamp Flux:11942.4x1 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	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220	4220			
5	4173	4213	4251	4285	4302	4302	4285	4257	4228	4184	4153	4122	4109	4106	4119	4143			
10	4086	4170	4254	4325	4365	4362	4319	4256	4195	4112	4047	3987	3957	3948	3979	4026			
15	3956	4089	4229	4357	4423	4411	4327	4218	4121	3998	3897	3799	3757	3746	3796	3868			
20	3789	3976	4187	4376	4471	4446	4314	4144	4008	3842	3702	3573	3511	3496	3570	3671			
25	3587	3832	4121	4379	4501	4467	4281	4040	3855	3647	3467	3295	3220	3204	3304	3436			
30	3352	3666	4031	4354	4499	4456	4223	3906	3665	3415	3192	2993	2898	2888	3001	3168			
35	3087	3465	3915	4283	4443	4405	4133	3746	3445	3150	2890	2663	2561	2552	2673	2869			
40	2802	3251	3753	4152	4309	4288	4004	3557	3190	2855	2562	2327	2222	2212	2336	2547			
45	2491	3006	3535	3928	4060	4083	3820	3345	2913	2535	2224	2008	1896	1895	1980	2211			
50	2162	2728	3260	3599	3695	3771	3575	3100	2613	2204	1881	1694	1592	1580	1659	1876			
55	1814	2396	2919	3163	3216	3351	3260	2809	2294	1869	1573	1400	1316	1293	1352	1546			
60	1443	1983	2503	2656	2696	2847	2866	2458	1933	1538	1270	1126	1017	1013	1063	1217			
65	1068	1532	2013	2107	2137	2312	2397	2026	1563	1206	988	805	708	688	791	894			
70	705	1074	1468	1522	1509	1739	1883	1568	1183	880	711	515	437	415	493	597			
75	378	638	881	852	819	1112	1315	1097	810	583	419	264	198	179	235	333			
80	111	264	304	299	255	478	687	649	457	320	173	76.0	34.3	23.6	49.6	99.5			
85	6.95	7.92	10.6	12.2	14.9	57.0	145	244	160	97.3	22.3	7.33	6.79	7.12	7.47	7.46			
90	6.47	4.90	3.94	3.39	3.58	4.24	5.34	6.68	8.96	7.20	7.11	7.12	7.43	8.11	8.32	7.57			
95	8.61	6.65	5.42	4.44	3.95	3.80	4.12	4.78	5.69	7.49	8.98	9.90	10.4	11.1	11.1	10.02			
100	11.1	8.73	7.18	6.00	5.41	5.22	5.63	6.47	7.71	9.90	11.7	13.1	13.7	14.3	14.0	12.7			
105	13.8	11.0	9.18	7.83	7.16	6.92	7.41	8.49	9.97	12.6	14.7	16.4	17.2	17.7	17.1	15.6			
110	16.7	13.6	11.4	9.93	9.13	8.89	9.41	10.7	12.5	15.4	17.8	19.7	20.8	21.1	20.3	18.6			
115	19.7	16.3	13.9	12.2	11.3	11.1	11.6	13.1	15.3	18.5	21.0	23.2	24.4	24.6	23.6	21.8			
120	22.7	19.1	16.6	14.8	13.8	13.5	14.1	15.8	18.1	21.7	24.3	26.8	28.0	28.2	26.9	24.9			
125	25.7	22.0	19.4	17.5	16.5	16.1	16.8	18.5	21.1	24.9	27.6	30.1	31.5	31.5	30.0	27.8			
130	28.4	24.7	22.1	20.2	19.2	18.8	19.4	21.2	24.0	27.8	30.6	33.0	34.5	34.3	32.7	30.3			
135	30.7	27.2	24.8	22.9	21.9	21.5	22.0	23.7	26.8	30.5	33.3	35.6	37.0	36.7	35.1	32.6			
140	33.0	29.7	27.3	25.6	24.6	24.1	24.5	26.2	29.5	33.0	35.8	38.0	39.2	38.9	37.3	34.9			
145	34.9	32.0	29.9	28.2	27.2	26.7	27.1	28.6	31.8	35.1	37.8	39.8	40.9	40.5	39.0	36.7			
150	36.6	34.2	32.3	30.7	29.8	29.3	29.6	31.0	34.1	37.1	39.5	41.4	42.2	41.7	40.4	38.4			
155	38.3	36.2	34.6	33.2	32.5	31.9	32.1	33.2	36.1	38.7	40.9	42.5	43.2	42.5	41.4	39.8			
160	39.9	38.3	36.9	35.7	35.0	34.4	34.5	35.5	37.9	40.0	41.8	43.2	43.7	43.0	42.0	40.6			
165	41.5	40.3	39.1	38.1	37.4	36.9	36.9	37.7	39.6	41.2	42.7	43.7	44.1	43.3	42.4	41.5			
170	43.0	42.1	41.2	40.4	39.7	39.4	39.3	39.8	41.4	42.4	43.4	44.1	44.3	43.6	42.9	42.3			
175	43.9	43.3	42.7	42.2	41.7	41.5	41.1	41.3	43.0	43.3	43.8	44.2	44.0	43.4	42.9	42.7			
180	44.0	43.7	43.8	43.9	43.4	43.2	42.4	42.4	43.8	43.8	43.8	43.9	43.7	42.9	42.6	42.6			

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: