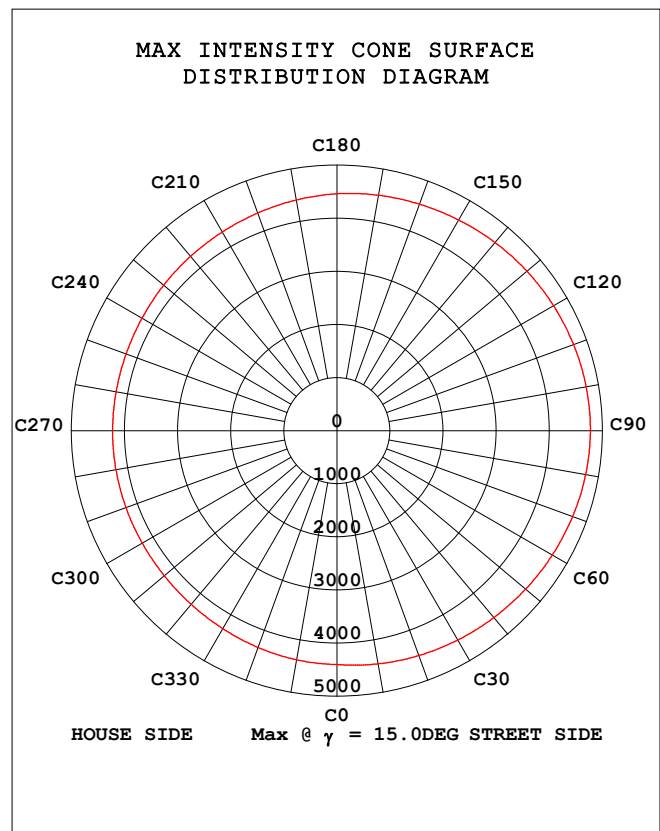
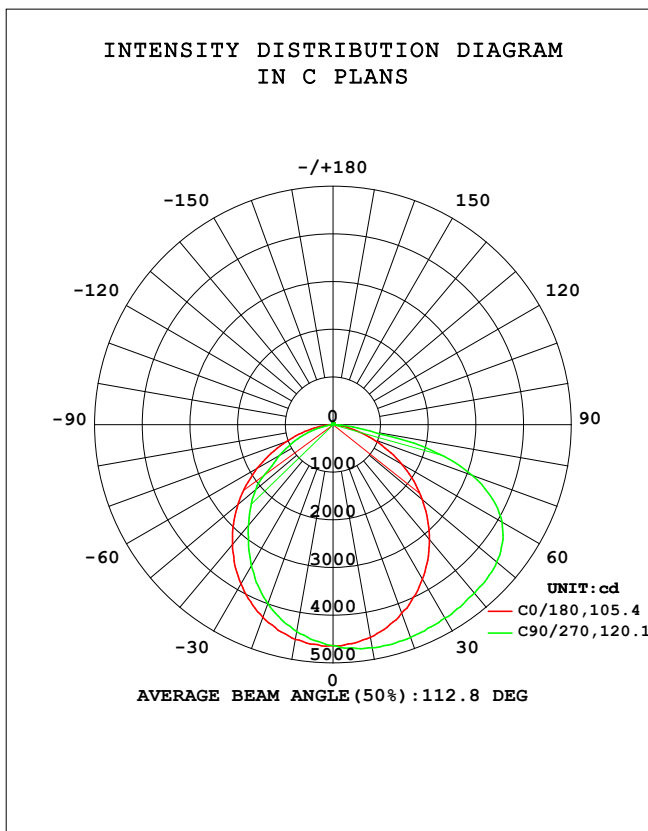


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.76 lm/W			
MODEL		I _{max} (cd)	4772	η street_up (%)	0.5
NOMINAL POWER(W)	100	LOR (%)	100.0	η street_down (%)	59.5
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	13760	η house_up (%)	0.6
NOMINAL FLUX(lm)	13759.7	MAXIMUM @ (C, γ)	90,15.0	η house_down (%)	39.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

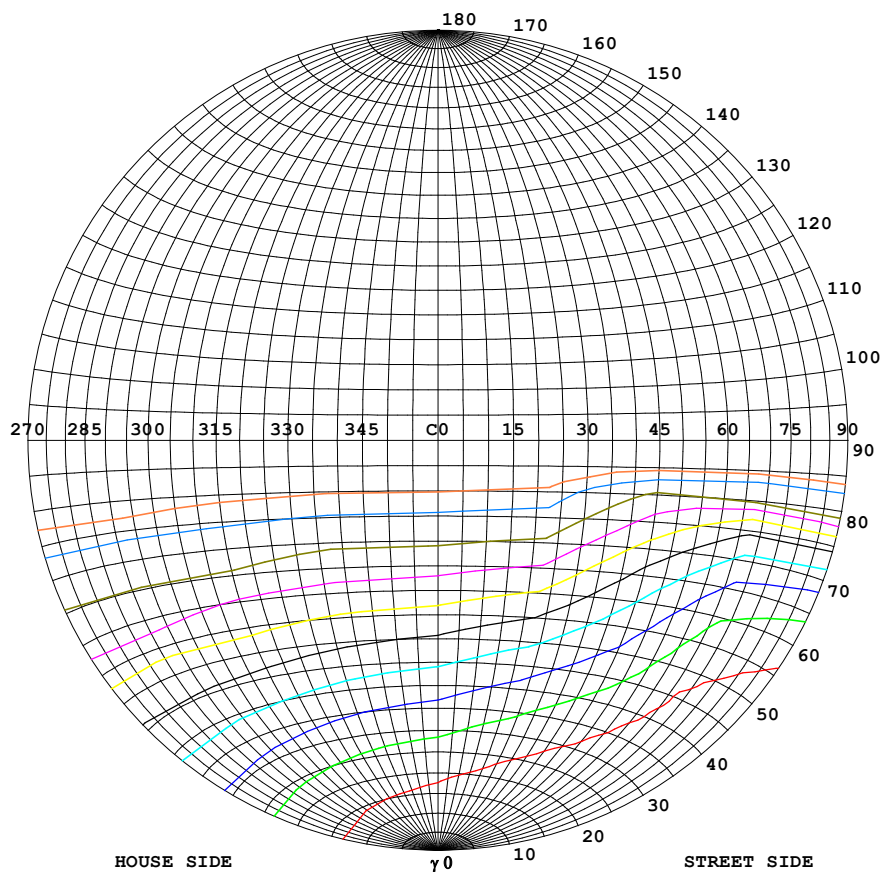


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

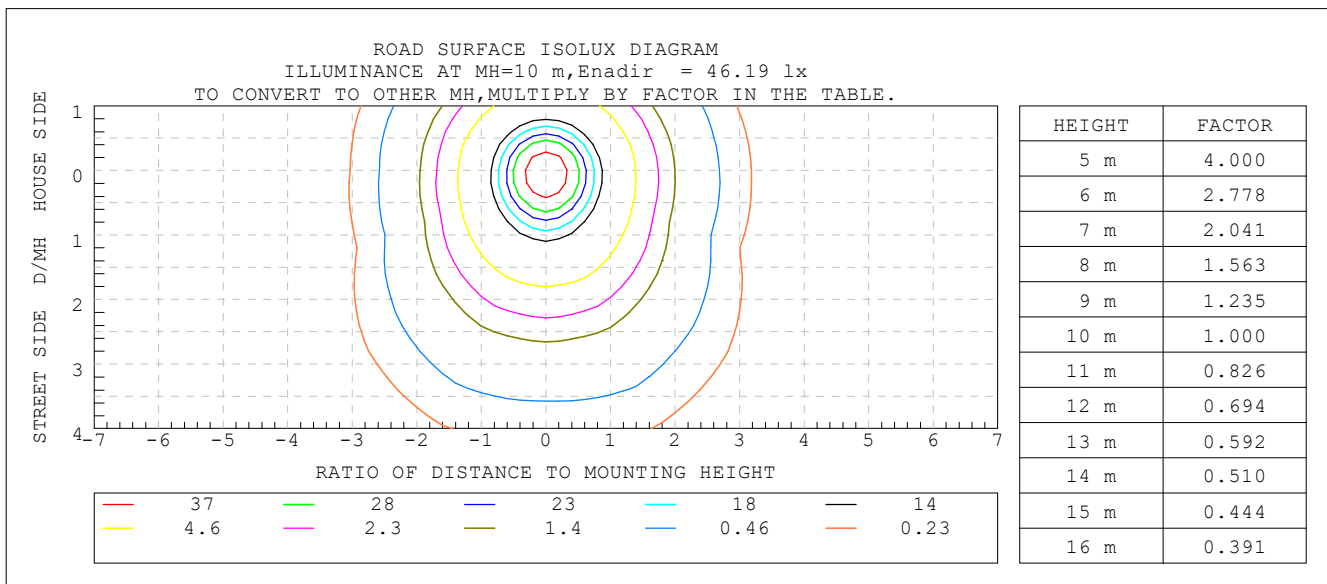
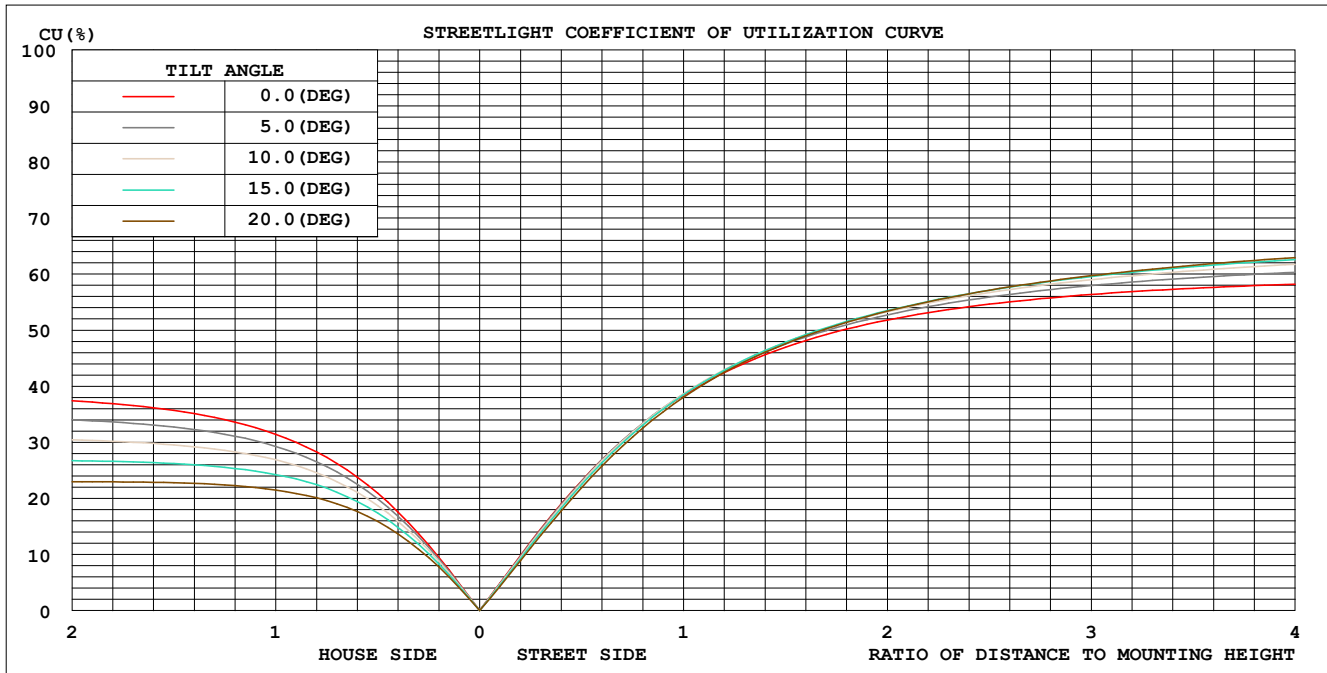
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:84.93cd/klm
Max.At90:0.9355cd/klm
Max.80-90:84.93cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4772
90%	4295
80%	3817
70%	3340
60%	2863
50%	2386
40%	1909
30%	1432
20%	954
10%	477
5%	239

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:

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

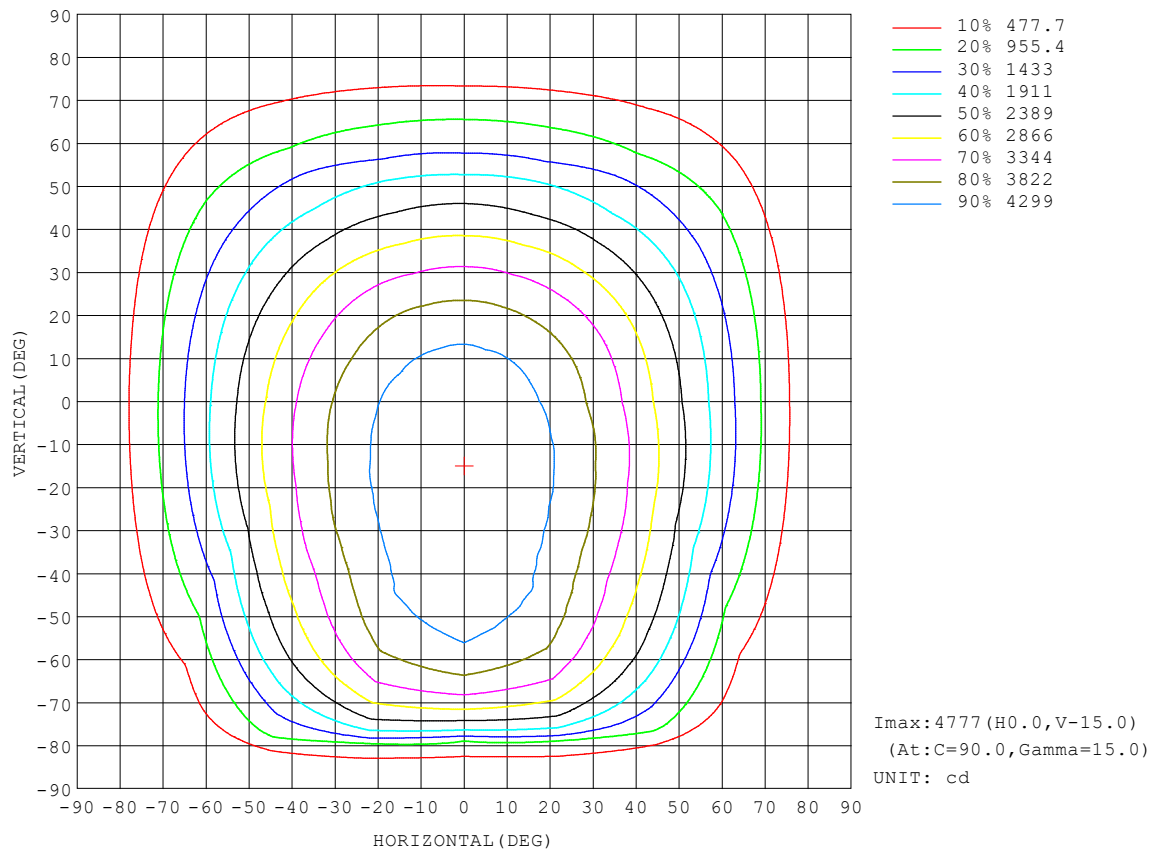
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4531	4653	4756	4680	4573	4430	4409	4431	0- 10	438.8	438.8	3.19,3.19
20	4214	4543	4756	4579	4300	4090	3994	4049	10- 20	1258	1696	12.3,12.3
30	3749	4272	4688	4310	3864	3564	3429	3526	20- 30	1906	3603	26.2,26.2
40	3145	3895	4616	3954	3288	2918	2760	2862	30- 40	2309	5911	43,43
50	2448	3399	4482	3444	2604	2212	2115	2148	40- 50	2438	8349	60.7,60.7
60	1681	2842	4095	2911	1838	1528	1297	1467	50- 60	2274	10623	77.2,77.2
70	880.7	2074	3093	2166	1046	763.1	681.8	696.7	60- 70	1799	12422	90.3,90.3
80	228.5	1036	801.2	1169	355.5	215.7	123.5	149.2	70- 80	1028	13450	97.8,97.8
90	5.922	4.752	5.154	5.842	6.328	9.357	12.87	9.817	80- 90	159.3	13609	98.9,98.9
100	10.44	8.303	7.235	7.861	9.211	15.29	20.37	15.62	90-100	10.21	13620	99,99
110	16.12	13.03	11.72	12.47	14.55	21.61	26.97	21.68	100-110	15.32	13635	99.1,99.1
120	22.34	18.54	17.00	17.82	20.62	28.68	33.69	28.41	110-120	20.13	13655	99.2,99.2
130	28.49	24.21	22.80	23.50	26.89	34.94	38.85	33.68	120-130	23.61	13679	99.4,99.4
140	33.41	29.58	28.00	28.48	32.08	39.37	41.80	37.39	130-140	24.37	13703	99.6,99.6
150	37.67	34.44	32.79	33.17	36.45	41.91	43.63	40.06	140-150	22.37	13725	99.8,99.8
160	41.63	38.88	37.55	37.56	40.49	43.42	44.36	41.89	150-160	18.05	13744	99.9,99.9
170	45.15	42.91	41.81	41.84	44.27	45.33	45.05	43.77	160-170	11.91	13755	100,100
180	46.76	45.72	45.16	44.64	46.58	46.00	45.30	44.52	170-180	4.246	13760	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

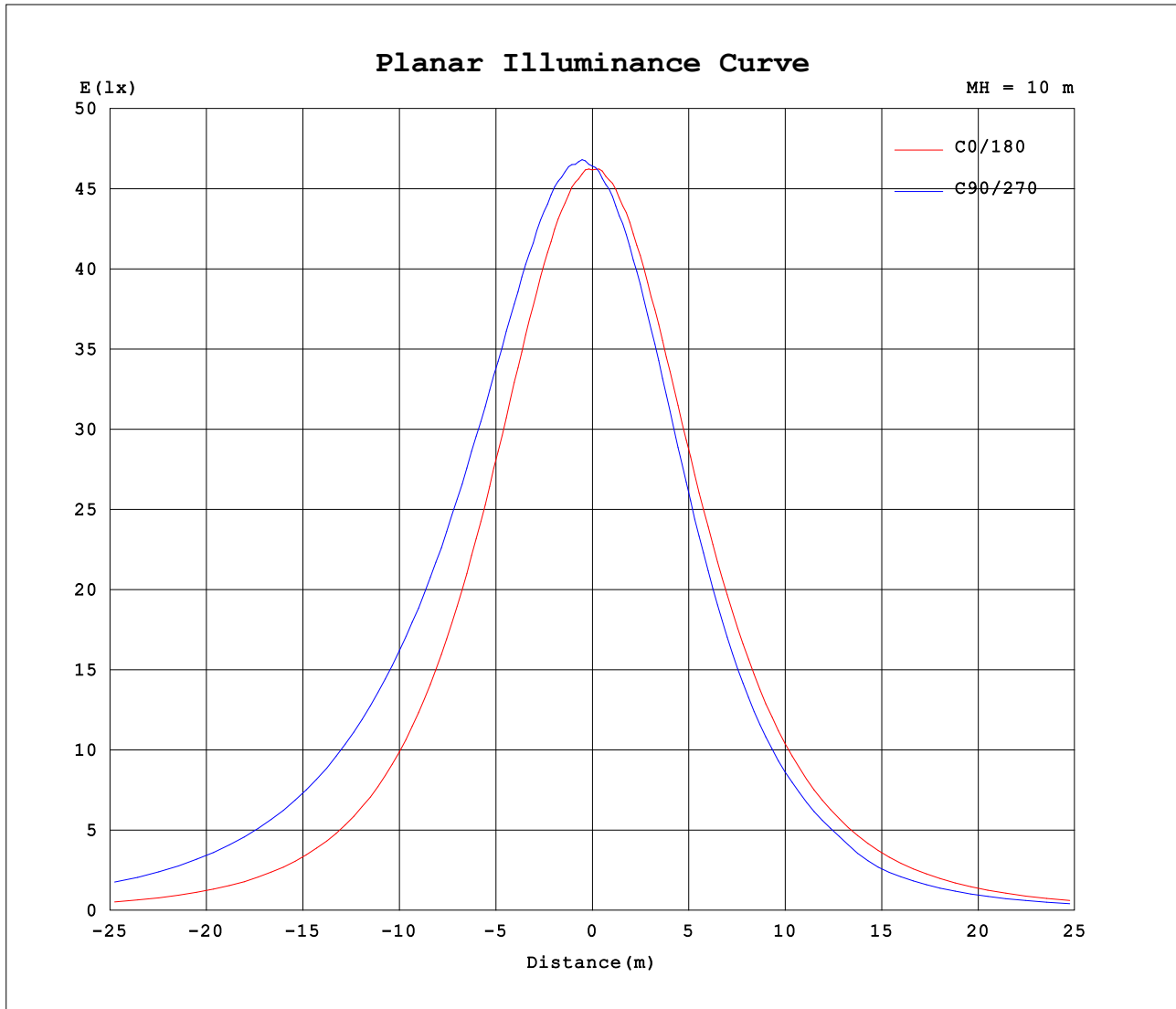
Test:U:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



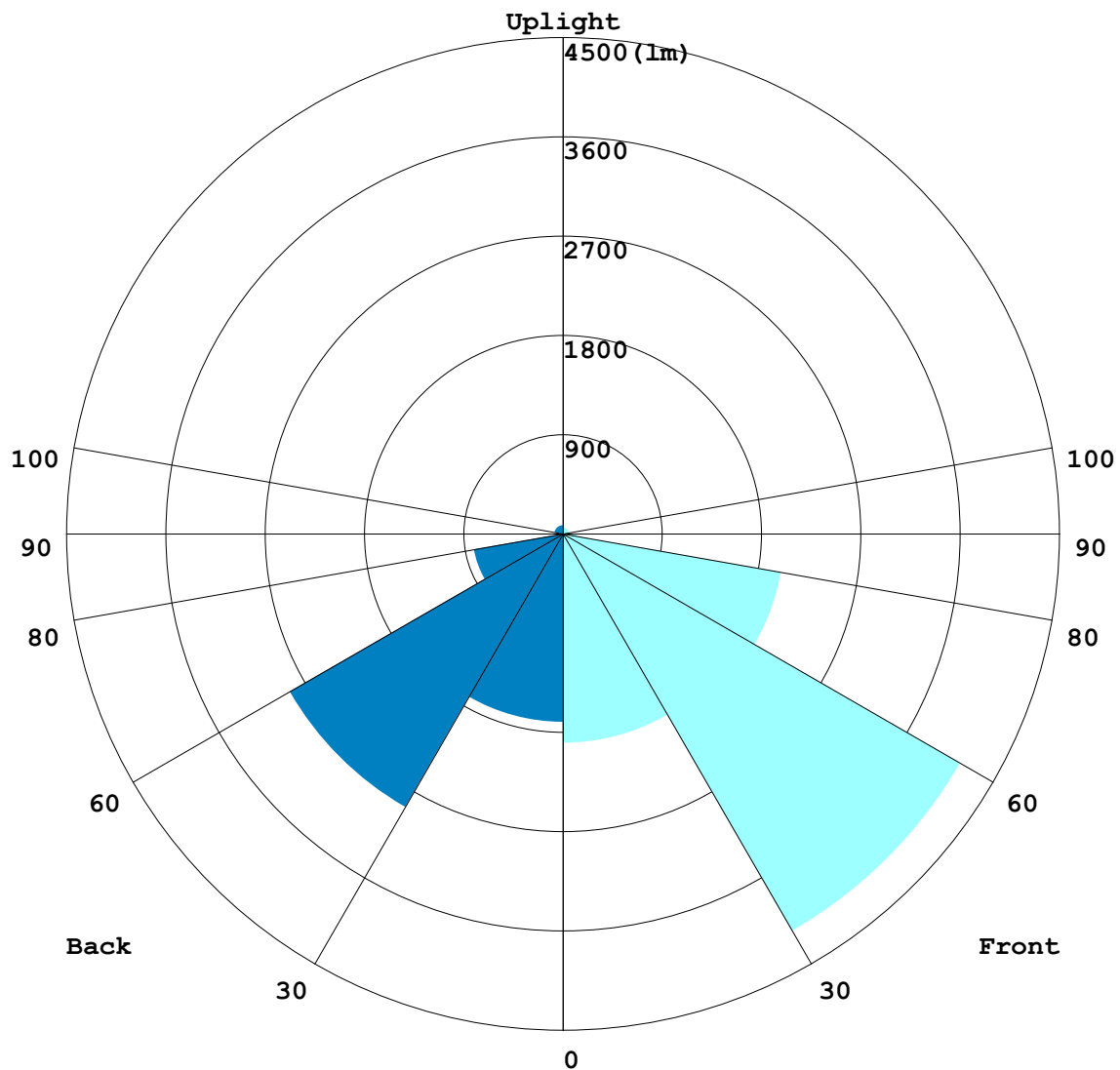
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 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:2025-07-18

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 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)	1895.3	13.8
FM - Front-Medium(30-60)	4158.6	30.2
FH - Front-High(60-80)	2006.4	14.6
FVH - Front-Very High(80-90)	127.04	0.9
Total Forward Light	8250.7	60.0

BL - Back-Low(0-30)	1707.3	12.4
BM - Back-Medium(30-60)	2861.7	20.8
BH - Back-High(60-80)	820.76	6.0
BVH - Back-Very High(80-90)	32.301	0.2
Total Back Light	5509	40.0

UL - Uplight-Low(90-100)	10.215	0.1
UH - Uplight-High(100-180)	140.02	1.0
Total Up Light	150.23	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5422.1	86.857	5509
Street Side	8187.3	63.376	8250.7

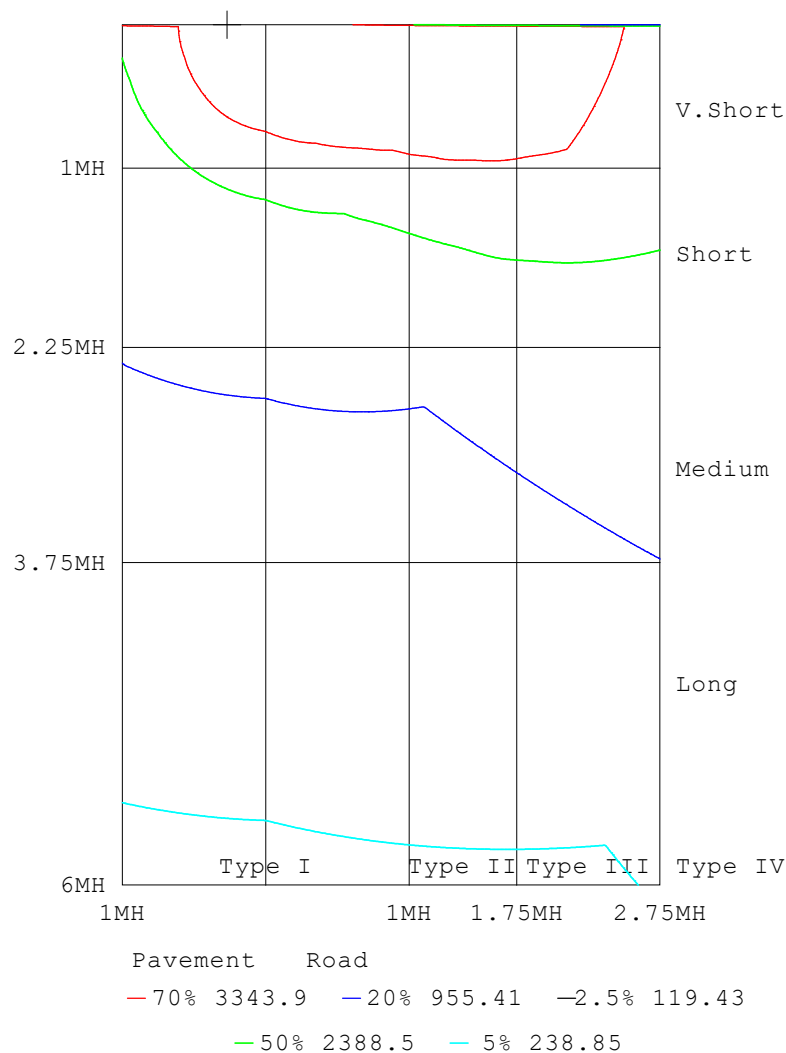
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 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:2025-07-18

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:275.35V I:0.3708A P:101.35W PF:0.9928 Freq:60.00Hz Lamp Flux:13759.7x1 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	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637	4637			
5	4612	4636	4666	4694	4701	4709	4672	4653	4626	4591	4555	4534	4546	4529	4558	4587			
10	4531	4599	4653	4716	4756	4741	4680	4632	4573	4499	4430	4394	4409	4400	4431	4485			
15	4401	4517	4617	4713	4772	4734	4652	4551	4463	4352	4276	4228	4225	4230	4257	4334			
20	4214	4383	4543	4691	4756	4699	4579	4420	4300	4160	4090	4011	3994	4002	4049	4131			
25	3996	4202	4426	4634	4713	4654	4458	4249	4095	3953	3849	3755	3731	3733	3809	3908			
30	3749	3985	4272	4563	4688	4591	4310	4048	3864	3696	3564	3443	3429	3420	3526	3644			
35	3466	3749	4090	4479	4662	4515	4147	3814	3597	3407	3247	3119	3099	3104	3205	3349			
40	3145	3463	3895	4382	4616	4407	3954	3535	3288	3087	2918	2787	2760	2767	2862	3021			
45	2803	3142	3650	4304	4573	4316	3713	3221	2955	2740	2579	2457	2440	2433	2512	2674			
50	2448	2784	3399	4195	4482	4221	3444	2878	2604	2400	2212	2139	2115	2106	2148	2321			
55	2074	2388	3133	4026	4335	4061	3188	2495	2230	2041	1865	1783	1642	1735	1808	1963			
60	1681	1941	2842	3774	4095	3826	2911	2052	1838	1679	1528	1313	1297	1289	1467	1598			
65	1272	1487	2499	3436	3690	3487	2577	1597	1440	1303	1093	1004	984	975	1011	1223			
70	881	1037	2074	2958	3093	3028	2166	1148	1046	950	763	716	682	684	697	862			
75	523	616	1573	2262	2209	2395	1674	718	678	610	488	416	363	379	431	505			
80	229	280	1036	849	801	1042	1169	365	355	285	216	137	123	118	149	224			
85	35.5	60.7	142	142	142	261	338	116	105	75.5	19.3	11.1	11.3	11.0	10.1	33.9			
90	5.92	5.18	4.75	5.02	5.15	5.66	5.84	6.10	6.33	6.94	9.36	11.9	12.9	12.3	9.82	7.39			
95	7.99	7.01	6.32	5.63	5.39	5.40	5.94	6.63	6.93	9.13	12.3	15.4	16.6	15.6	12.7	9.77			
100	10.4	9.17	8.30	7.52	7.23	7.25	7.86	8.74	9.21	11.9	15.3	18.9	20.4	18.9	15.6	12.5			
105	13.2	11.6	10.5	9.68	9.36	9.40	10.0	11.1	11.8	14.9	18.4	22.0	23.8	22.0	18.5	15.4			
110	16.1	14.2	13.0	12.0	11.7	11.7	12.5	13.7	14.6	18.0	21.6	25.2	27.0	25.1	21.7	18.5			
115	19.2	17.0	15.7	14.7	14.3	14.2	15.1	16.4	17.5	21.3	25.2	28.7	30.2	28.5	25.0	21.7			
120	22.3	20.0	18.5	17.5	17.0	17.0	17.8	19.3	20.6	24.8	28.7	32.1	33.7	31.9	28.4	25.0			
125	25.5	23.0	21.4	20.3	19.9	19.9	20.6	22.3	23.8	28.1	32.0	35.0	36.7	34.8	31.3	28.0			
130	28.5	25.9	24.2	23.1	22.8	22.7	23.5	25.2	26.9	31.1	34.9	37.5	38.9	37.1	33.7	30.7			
135	31.1	28.6	27.0	25.9	25.5	25.2	26.1	27.8	29.6	33.6	37.5	39.6	40.4	38.8	35.6	32.9			
140	33.4	31.1	29.6	28.5	28.0	27.8	28.5	30.2	32.1	35.8	39.4	41.3	41.8	40.1	37.4	35.0			
145	35.7	33.6	31.9	30.9	30.5	30.1	30.9	32.6	34.5	37.7	40.7	42.5	43.0	41.4	38.8	36.9			
150	37.7	35.8	34.4	33.3	32.8	32.6	33.2	34.7	36.5	39.3	41.9	43.4	43.6	42.1	40.1	38.4			
155	39.6	38.1	36.7	35.6	35.3	34.8	35.4	36.9	38.5	40.7	42.7	43.8	44.0	42.8	41.0	39.8			
160	41.6	40.3	38.9	37.9	37.6	37.1	37.6	38.9	40.5	42.2	43.4	44.1	44.4	43.3	41.9	41.2			
165	43.4	42.4	41.1	40.1	39.7	39.3	39.8	40.9	42.4	43.5	44.3	44.6	44.6	43.8	42.8	42.5			
170	45.1	44.2	42.9	42.3	41.8	41.7	41.8	42.6	44.3	45.0	45.3	45.1	45.0	44.2	43.8	43.9			
175	46.4	45.6	44.5	44.0	43.7	43.5	43.5	43.9	46.0	46.2	46.0	45.6	45.4	44.8	44.5	44.9			
180	46.8	46.2	45.7	45.7	45.2	44.9	44.6	44.6	46.6	46.3	46.0	45.5	45.3	44.8	44.5	45.0			

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
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: