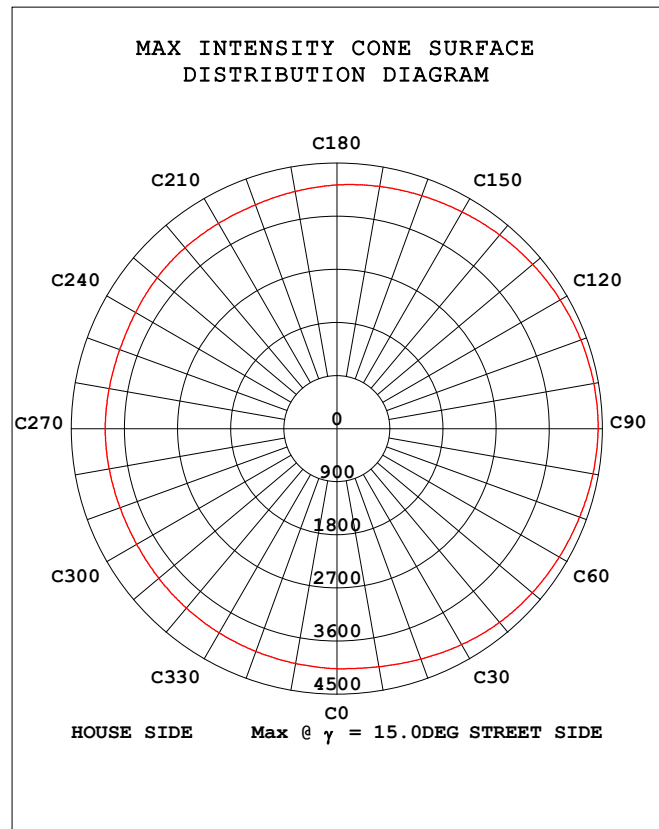
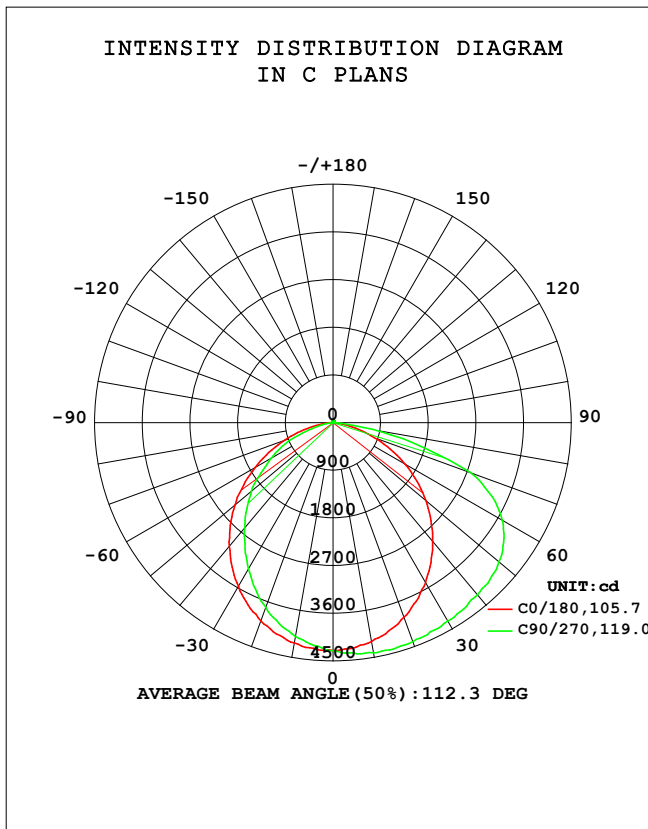


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.41 lm/W			
MODEL		I _{max} (cd)	4425	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	12736	η house_up (%)	0.6
NOMINAL FLUX (lm)	12736.2	MAXIMUM @ (C, γ)	90, 15.0	η house_down (%)	40.3
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

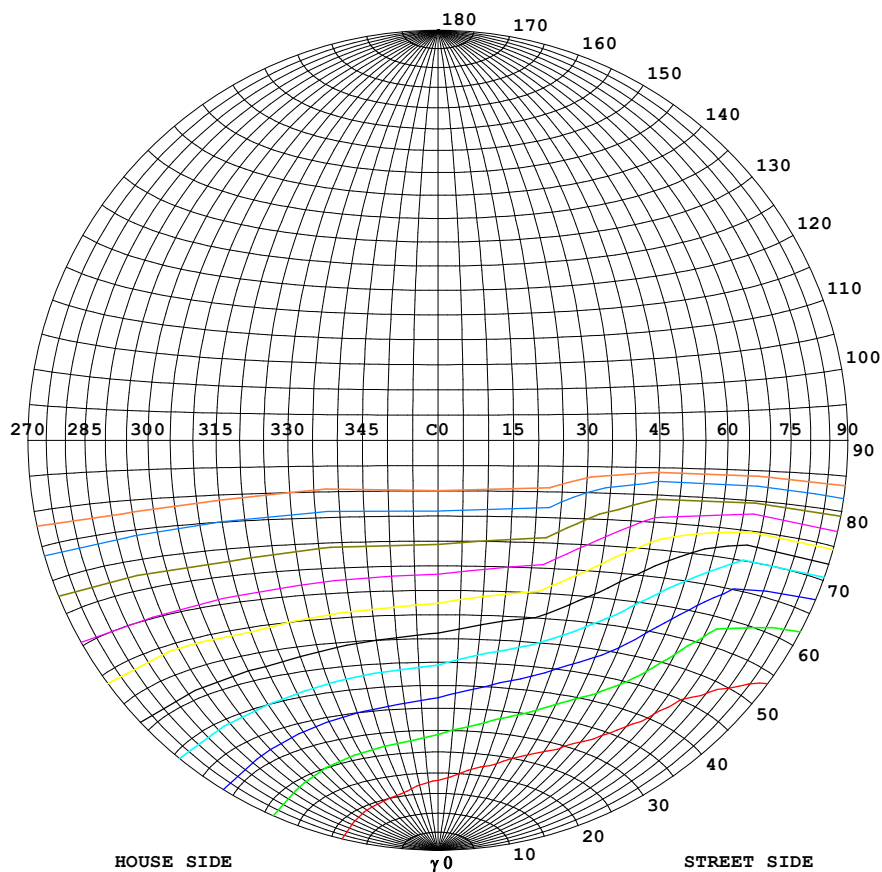


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

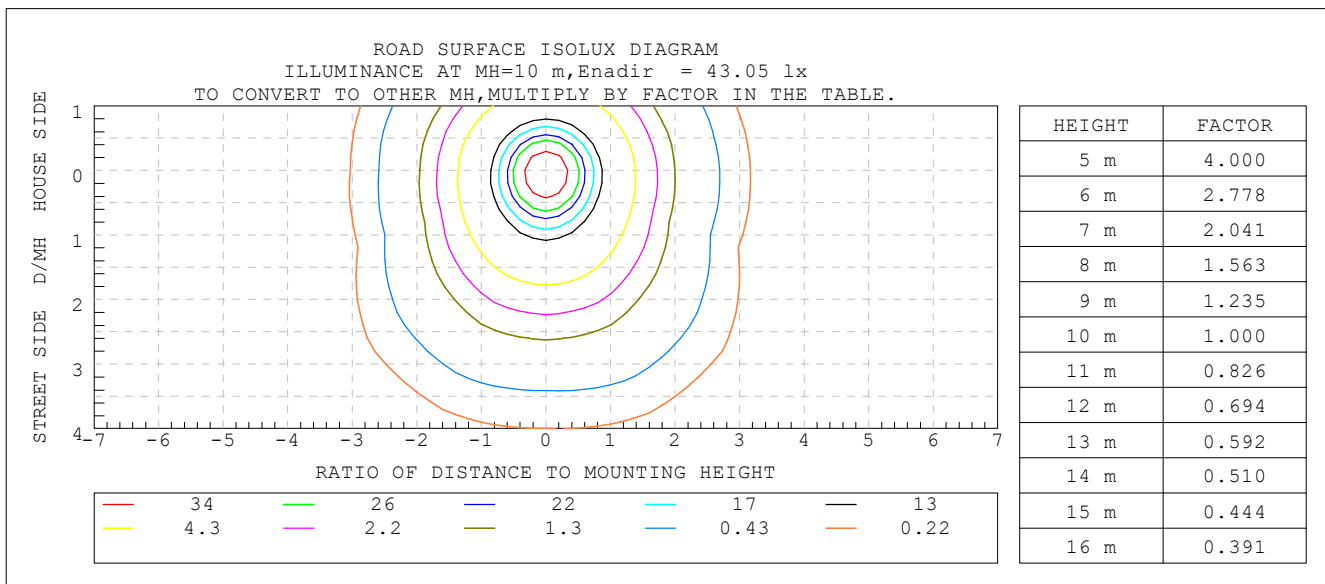
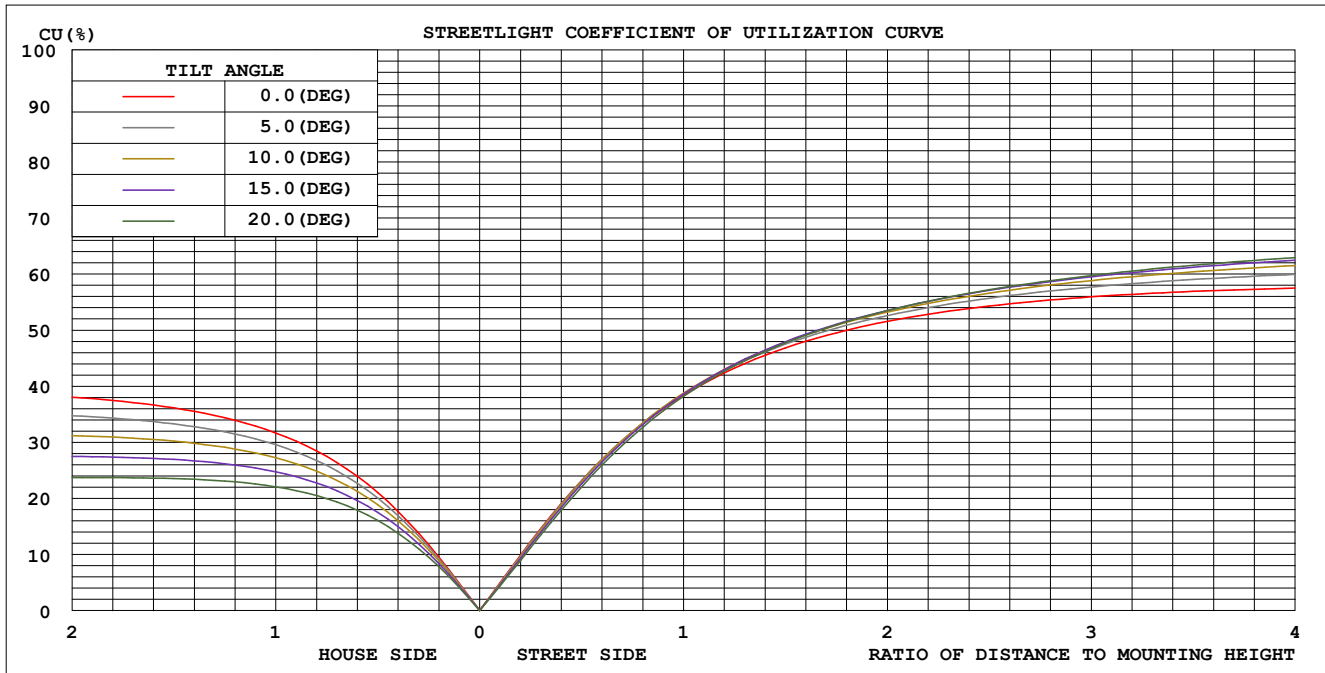
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:70.67cd/klm
Max.At90:0.8944cd/klm
Max.80-90:70.67cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4425
90%	3983
80%	3540
70%	3098
60%	2655
50%	2213
40%	1770
30%	1328
20%	885
10%	443
5%	221

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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

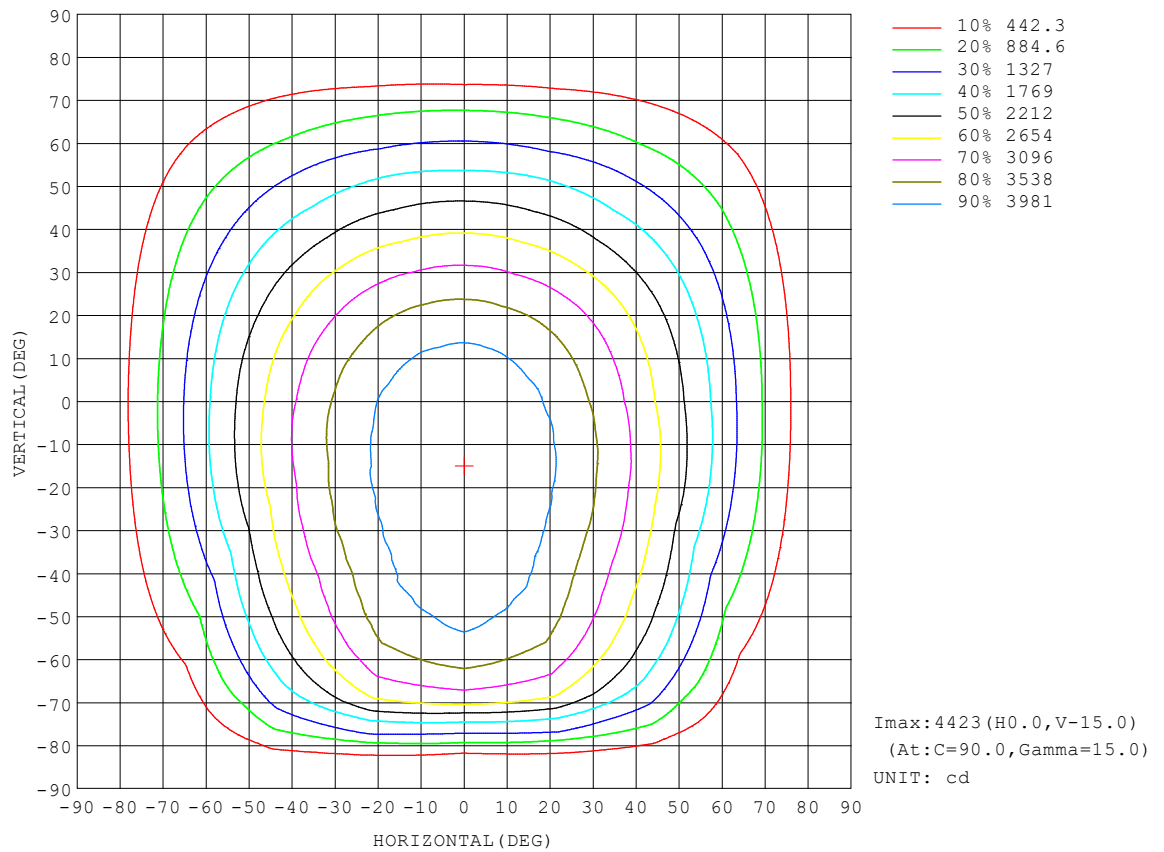
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4198	4346	4415	4338	4221	4144	4099	4118	0- 10	407.0	407.0	3.2,3.2
20	3910	4217	4402	4244	3987	3807	3714	3766	10- 20	1167	1574	12.4,12.4
30	3493	3977	4331	3984	3571	3326	3200	3287	20- 30	1769	3342	26.2,26.2
40	2927	3619	4245	3651	3052	2738	2597	2676	30- 40	2143	5485	43.1,43.1
50	2289	3141	4089	3170	2420	2071	2012	2027	40- 50	2263	7748	60.8,60.8
60	1572	2622	3696	2661	1706	1463	1359	1406	50- 60	2116	9864	77.4,77.4
70	831.9	1875	2755	1950	975.5	800.9	680.3	746.4	60- 70	1682	11546	90.7,90.7
80	221.5	795.7	761.4	900.1	333.1	223.9	131.9	172.5	70- 80	913.3	12460	97.8,97.8
90	5.301	4.534	4.836	5.361	5.729	8.235	11.39	8.961	80- 90	138.2	12598	98.9,98.9
100	9.365	7.860	7.256	7.682	8.404	13.59	18.32	14.44	90-100	9.375	12607	99,99
110	14.39	12.17	11.47	12.05	13.30	19.38	24.53	20.14	100-110	14.12	12621	99.1,99.1
120	20.07	17.16	16.40	17.06	18.81	25.64	30.76	26.52	110-120	18.55	12640	99.2,99.2
130	25.51	22.48	21.74	22.41	24.35	31.55	35.86	31.70	120-130	21.78	12662	99.4,99.4
140	30.04	27.14	26.52	27.02	29.07	35.47	38.73	35.26	130-140	22.49	12684	99.6,99.6
150	33.88	31.55	30.99	31.33	33.06	37.78	40.61	37.85	140-150	20.65	12705	99.8,99.8
160	37.25	35.68	35.35	35.40	36.66	39.39	41.38	39.56	150-160	16.65	12721	99.9,99.9
170	40.57	39.45	39.33	39.33	40.00	40.91	42.04	41.41	160-170	10.99	12732	100,100
180	41.95	41.90	42.42	41.88	42.05	41.48	42.32	42.16	170-180	3.914	12736	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

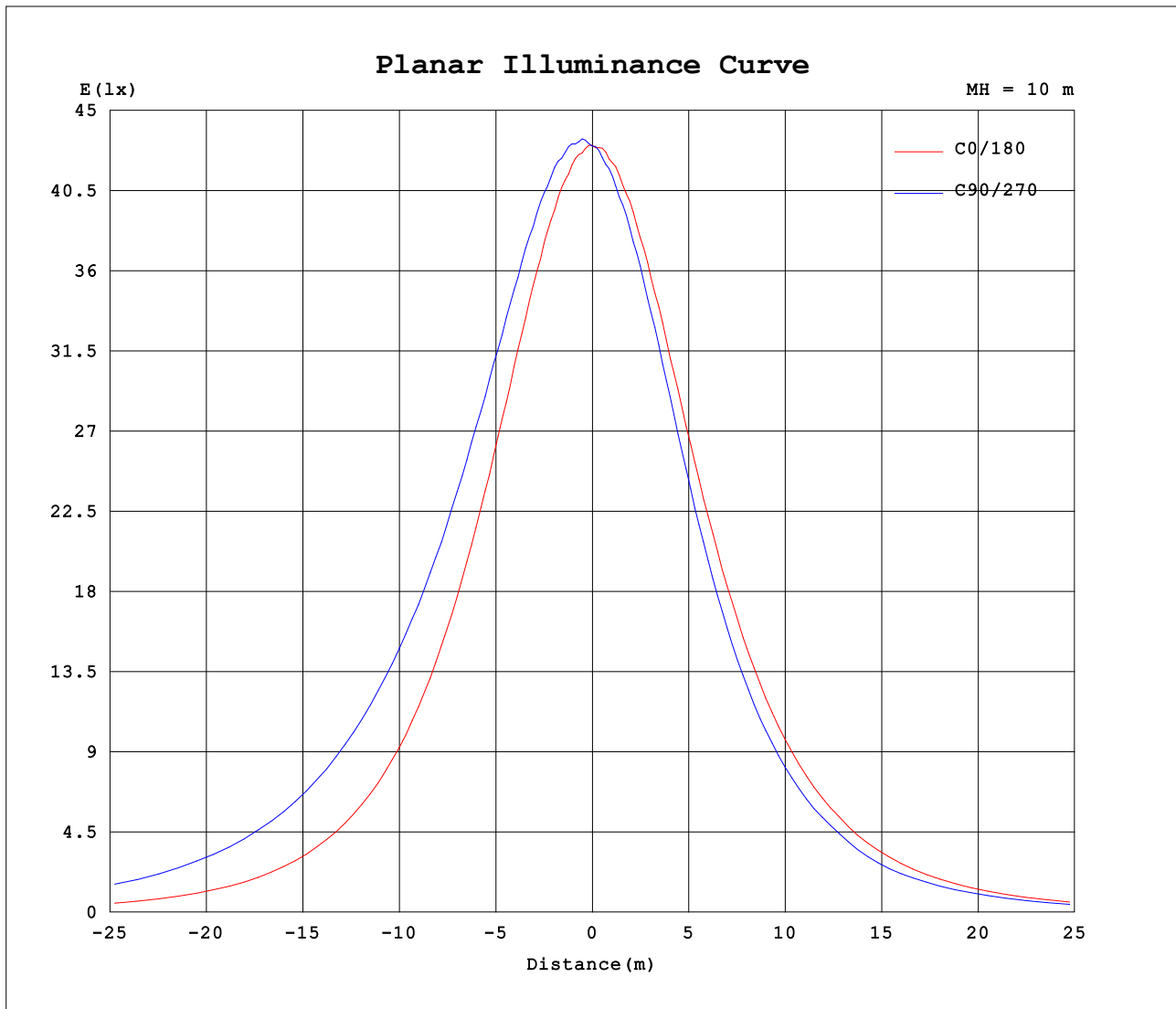
Test:U:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



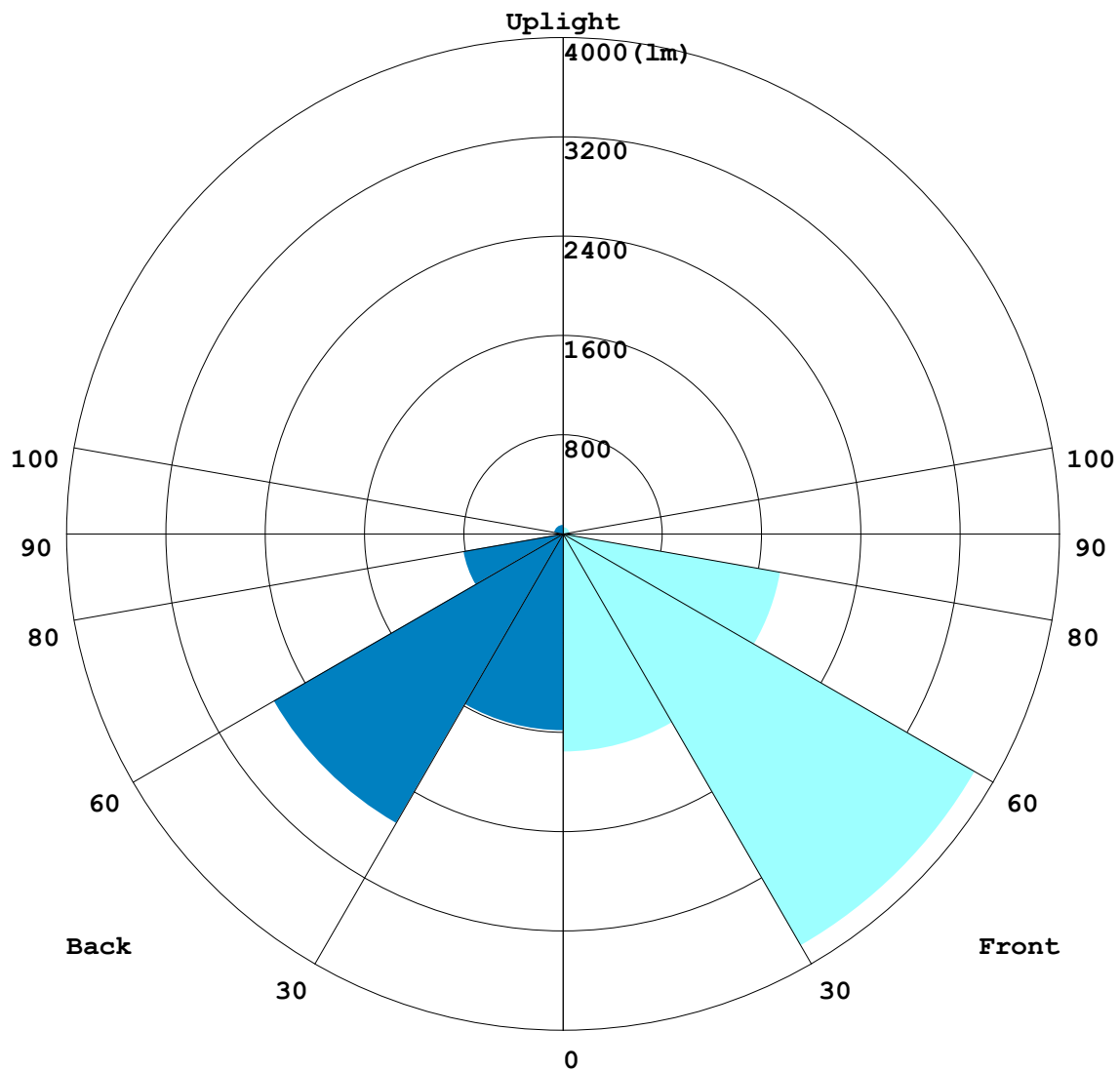
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 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)	1756.1	13.8
FM - Front-Medium(30-60)	3830.3	30.1
FH - Front-High(60-80)	1779.7	14.0
FVH - Front-Very High(80-90)	104.06	0.8
Total Forward Light	7529.1	59.1

BL - Back-Low(0-30)	1586.1	12.5
BM - Back-Medium(30-60)	2691.4	21.1
BH - Back-High(60-80)	816.01	6.4
BVH - Back-Very High(80-90)	34.117	0.3
Total Back Light	5207.1	40.9

UL - Uplight-Low(90-100)	9.3746	0.1
UH - Uplight-High(100-180)	129.13	1.0
Total Up Light	138.51	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5127.6	79.481	5207.1
Street Side	7470.1	59.027	7529.1

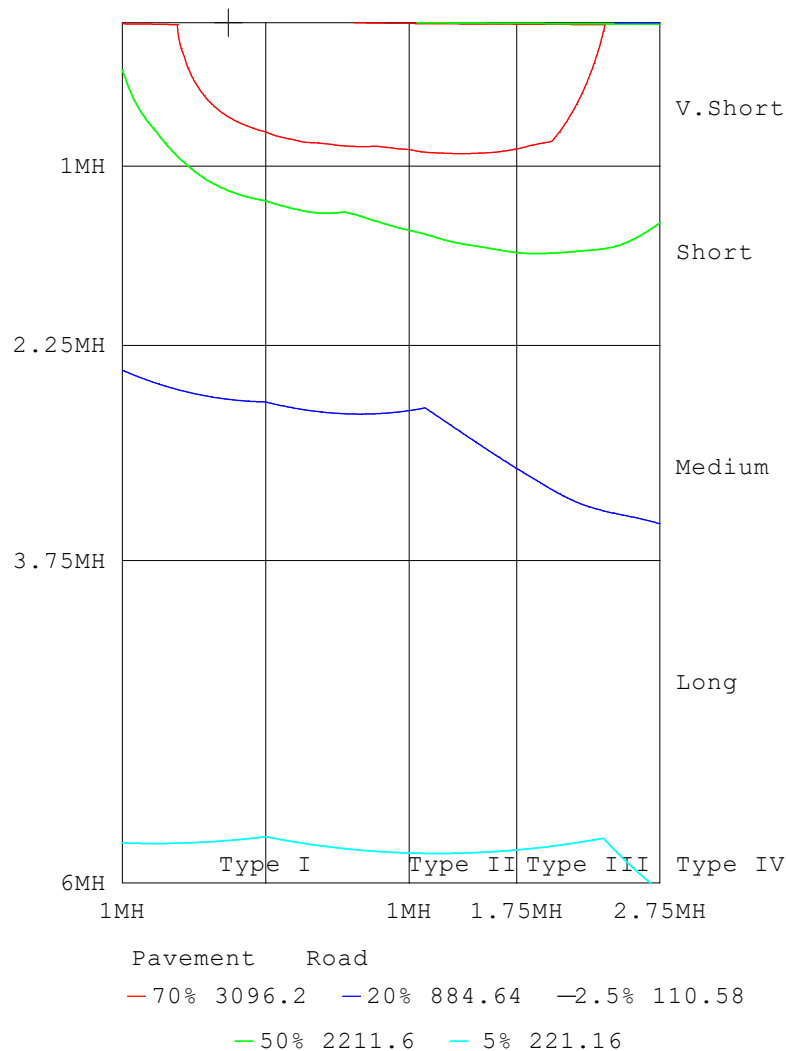
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 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:275.53V I:0.2953A P:80.401W PF:0.9881 Freq:60.00Hz Lamp Flux:12736.2x1 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	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303	4303			
5	4276	4304	4347	4351	4364	4349	4329	4302	4275	4247	4238	4212	4225	4214	4234	4252			
10	4198	4255	4346	4366	4415	4378	4338	4277	4221	4151	4144	4077	4099	4078	4118	4159			
15	4067	4171	4307	4369	4425	4391	4311	4212	4132	4031	3997	3921	3928	3912	3957	4010			
20	3910	4061	4217	4347	4402	4358	4244	4096	3987	3868	3807	3728	3714	3713	3766	3828			
25	3723	3910	4107	4288	4358	4298	4127	3935	3800	3668	3579	3492	3472	3478	3551	3633			
30	3493	3709	3977	4214	4331	4216	3984	3743	3571	3420	3326	3210	3200	3200	3287	3389			
35	3224	3465	3815	4132	4299	4150	3833	3525	3326	3151	3047	2909	2903	2895	2992	3117			
40	2927	3207	3619	4035	4245	4057	3651	3276	3052	2869	2738	2612	2597	2589	2676	2812			
45	2617	2922	3375	3954	4189	3963	3427	2985	2747	2557	2416	2316	2305	2292	2360	2496			
50	2289	2596	3141	3839	4089	3850	3170	2663	2420	2237	2071	2029	2012	2006	2027	2178			
55	1941	2210	2900	3664	3935	3679	2926	2307	2059	1896	1767	1723	1661	1694	1716	1842			
60	1572	1799	2622	3419	3696	3450	2661	1897	1706	1562	1463	1360	1359	1335	1406	1501			
65	1196	1381	2280	3100	3322	3141	2338	1479	1340	1227	1110	1065	1053	1036	1044	1155			
70	832	969	1875	2654	2755	2705	1950	1060	976	896	801	755	680	719	746	829			
75	500	574	1415	1731	1693	1825	1497	660	632	588	515	404	361	376	446	513			
80	221	260	796	787	761	899	900	331	333	299	224	149	132	130	172	246			
85	33.3	51.9	126	110	115	176	239	91.4	98.0	78.0	28.2	11.8	11.0	10.7	11.8	38.7			
90	5.30	4.70	4.53	4.74	4.84	5.21	5.36	5.54	5.73	6.20	8.24	10.6	11.4	11.0	8.96	6.71			
95	7.18	6.37	6.00	5.54	5.45	5.45	5.85	6.30	6.32	8.12	10.8	13.7	14.8	14.1	11.6	8.91			
100	9.36	8.28	7.86	7.31	7.26	7.23	7.68	8.25	8.40	10.5	13.6	16.9	18.3	17.3	14.4	11.4			
105	11.8	10.4	9.91	9.32	9.28	9.28	9.76	10.4	10.7	13.2	16.4	19.9	21.6	20.2	17.2	14.1			
110	14.4	12.8	12.2	11.5	11.5	11.5	12.0	12.9	13.3	16.1	19.4	22.8	24.5	23.0	20.1	16.9			
115	17.2	15.3	14.6	13.9	13.8	13.9	14.5	15.4	16.0	19.1	22.5	26.0	27.6	26.2	23.3	19.9			
120	20.1	18.0	17.2	16.4	16.4	16.4	17.1	18.1	18.8	22.2	25.6	29.2	30.8	29.5	26.5	23.0			
125	22.9	20.7	19.9	19.0	19.1	19.0	19.7	20.8	21.6	25.1	28.7	32.1	33.7	32.4	29.4	25.8			
130	25.5	23.2	22.5	21.6	21.7	21.6	22.4	23.6	24.4	27.7	31.5	34.3	35.9	34.6	31.7	28.2			
135	27.8	25.7	24.8	24.1	24.2	24.1	24.8	26.0	26.9	30.1	33.8	36.3	37.4	36.2	33.5	30.3			
140	30.0	27.9	27.1	26.4	26.5	26.4	27.0	28.2	29.1	32.1	35.5	38.1	38.7	37.7	35.3	32.2			
145	31.9	30.0	29.5	28.6	28.9	28.6	29.3	30.4	31.2	33.7	36.9	39.2	40.0	38.8	36.6	33.9			
150	33.9	32.2	31.6	30.8	31.0	30.9	31.3	32.4	33.1	35.2	37.8	40.1	40.6	39.7	37.9	35.4			
155	35.5	34.1	33.6	32.9	33.3	33.0	33.4	34.3	34.9	36.6	38.6	40.6	41.0	40.2	38.7	36.5			
160	37.3	36.0	35.7	34.9	35.4	35.0	35.4	36.2	36.7	37.8	39.4	40.9	41.4	40.7	39.6	37.8			
165	38.9	37.9	37.6	37.0	37.4	37.1	37.5	38.1	38.4	39.0	40.2	41.3	41.6	41.2	40.4	39.0			
170	40.6	39.7	39.4	38.9	39.3	39.2	39.3	39.7	40.0	40.2	40.9	41.8	42.0	41.8	41.4	40.3			
175	41.5	40.8	40.9	40.4	41.1	40.8	40.9	40.8	41.5	41.3	41.7	42.3	42.4	42.2	42.1	41.2			
180	42.0	41.5	41.9	41.9	42.4	42.1	41.9	41.6	42.0	41.5	41.5	42.3	42.3	42.2	42.2	41.2			

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: