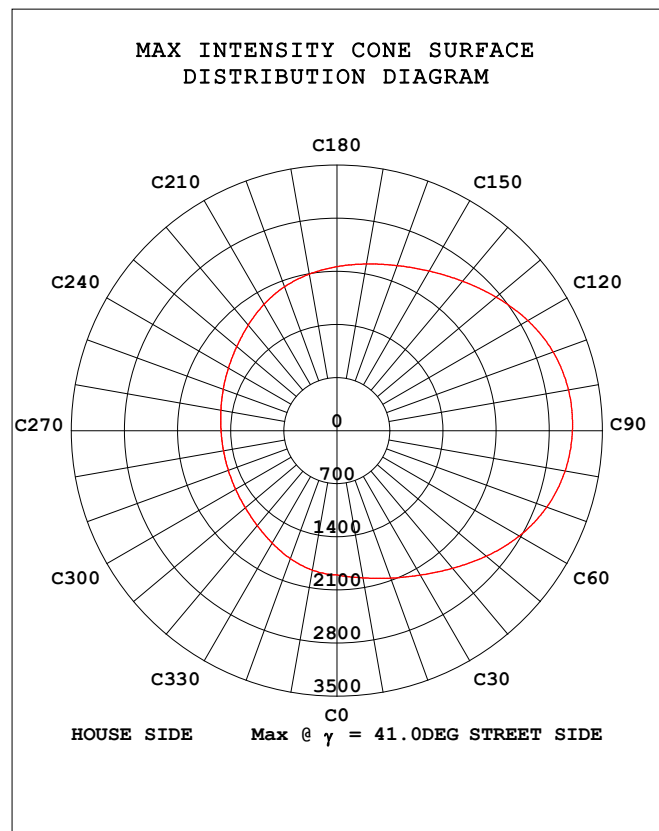
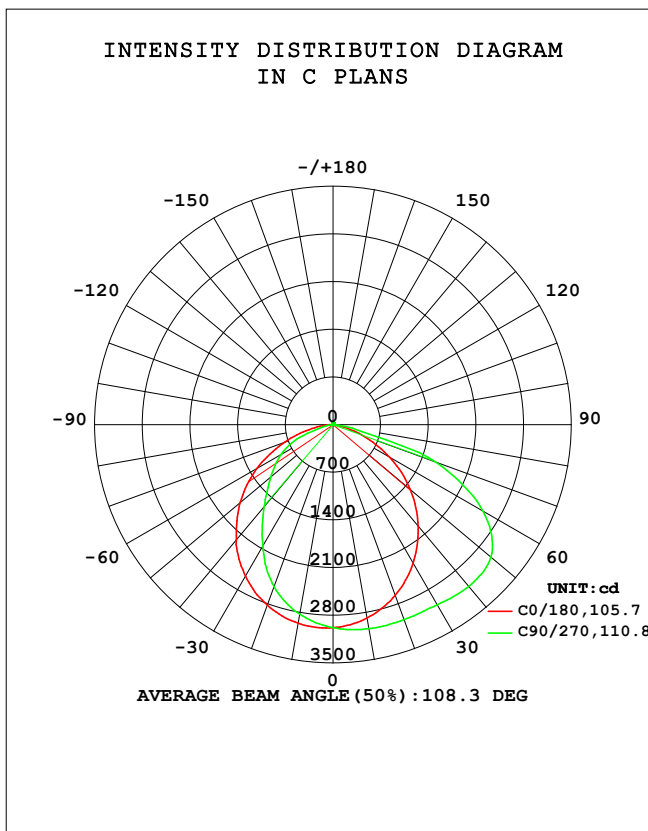


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.90 lm/W			
MODEL		I _{max} (cd)	3103	η street_up (%)	0.5
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	59.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	8660	η house_up (%)	0.7
NOMINAL FLUX (lm)	8659.77	MAXIMUM @ (C, γ)	90,41.0	η house_down (%)	39.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

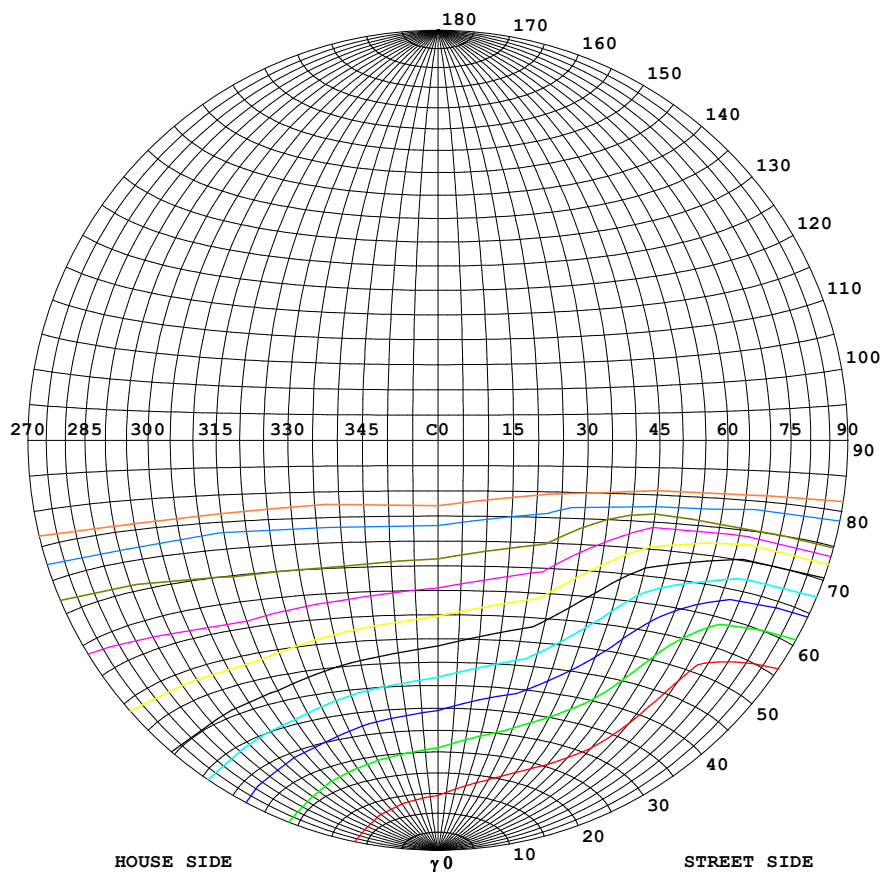


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

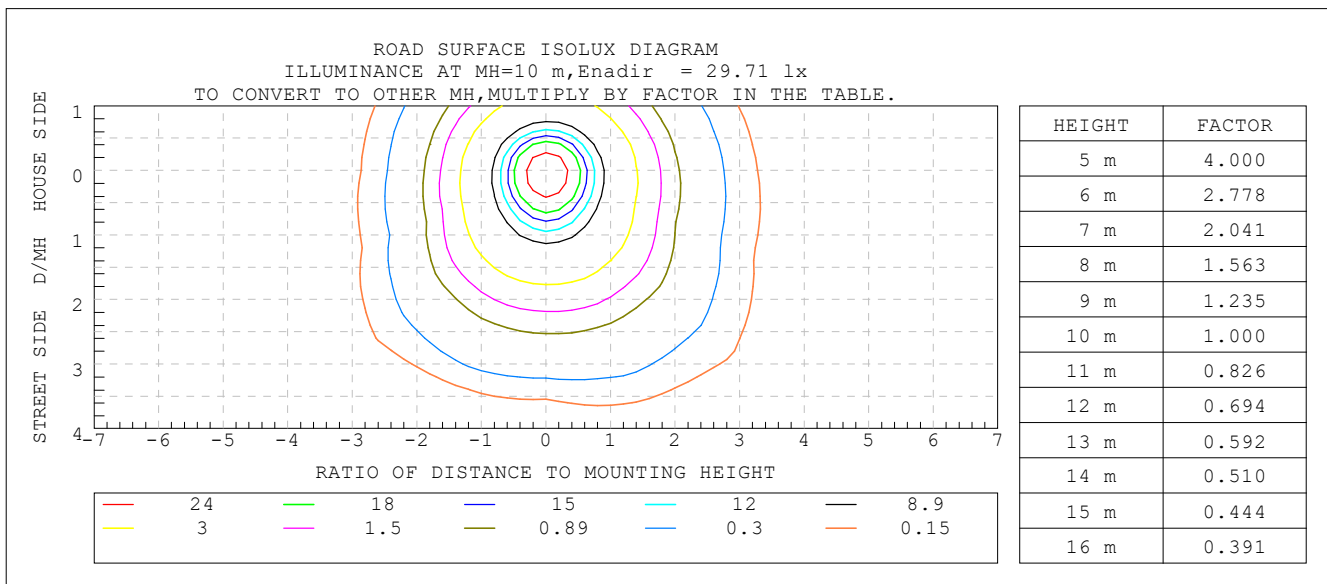
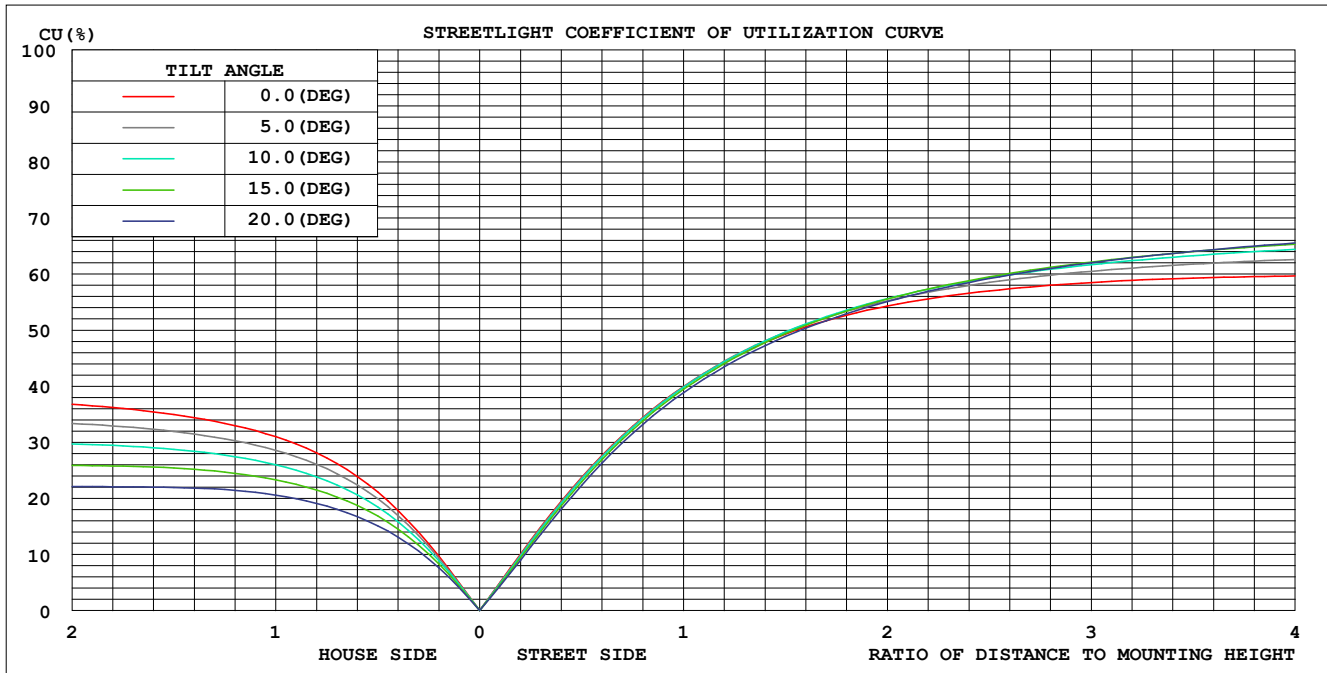
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:64.28cd/klm
Max.At90:0.8389cd/klm
Max.80-90:64.28cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3103
90%	2792
80%	2482
70%	2172
60%	1862
50%	1551
40%	1241
30%	931
20%	621
10%	310
5%	155

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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

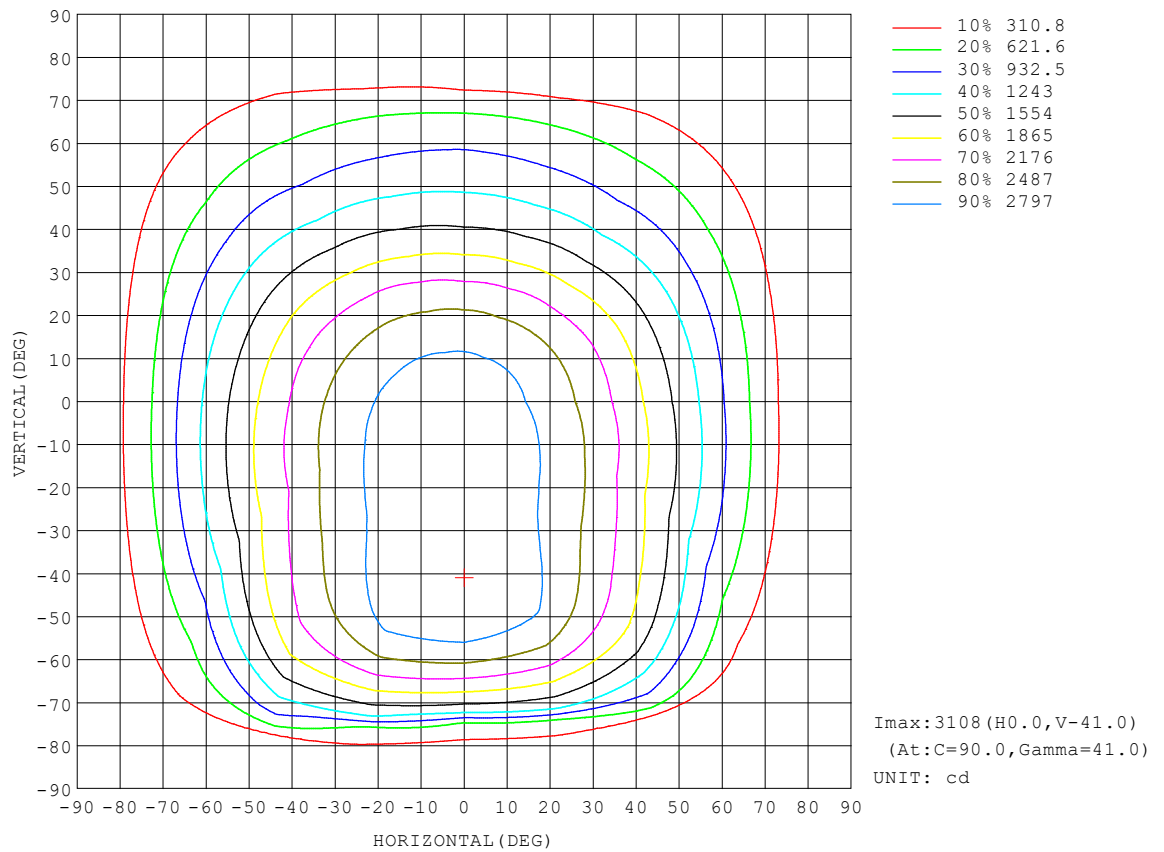
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2883	2979	3042	3024	2961	2881	2825	2833	0- 10	282.1	282.1	3.26,3.26
20	2668	2880	3049	2972	2824	2657	2533	2563	10- 20	807.4	1090	12.6,12.6
30	2351	2707	3058	2844	2573	2301	2061	2144	20- 30	1221	2310	26.7,26.7
40	1947	2491	3100	2675	2214	1818	1573	1652	30- 40	1473	3783	43.7,43.7
50	1480	2246	3028	2473	1780	1334	1193	1177	40- 50	1558	5341	61.7,61.7
60	961.9	1920	2543	2194	1296	920.2	885.2	788.5	50- 60	1471	6811	78.7,78.7
70	449.4	1270	1592	1638	757.6	561.5	468.8	431.0	60- 70	1151	7962	91.9,91.9
80	68.00	179.5	248.1	556.7	277.2	161.2	39.79	56.91	70- 80	541.8	8504	98.2,98.2
90	4.099	2.918	2.939	3.644	5.857	5.570	6.834	6.526	80- 90	59.76	8564	98.9,98.9
100	7.161	5.192	4.395	4.205	4.963	8.735	11.99	10.72	90-100	6.155	8570	99,99
110	10.94	8.140	6.996	6.896	8.191	12.88	17.09	14.99	100-110	9.453	8579	99.1,99.1
120	15.03	11.68	10.21	10.24	12.03	17.37	21.77	19.63	110-120	12.60	8592	99.2,99.2
130	18.89	15.46	13.95	13.96	16.05	21.67	25.75	23.46	120-130	14.98	8607	99.4,99.4
140	22.04	18.95	17.60	17.54	19.82	25.21	28.21	26.30	130-140	15.67	8623	99.6,99.6
150	24.62	22.28	21.18	20.91	23.08	27.43	29.85	28.27	140-150	14.62	8637	99.7,99.7
160	27.02	25.34	24.52	24.14	25.84	28.49	30.47	29.36	150-160	11.91	8649	99.9,99.9
170	29.17	28.17	27.59	27.38	28.37	29.34	30.39	29.92	160-170	7.851	8657	100,100
180	29.91	29.85	30.04	29.44	30.07	29.62	29.92	29.79	170-180	2.786	8660	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

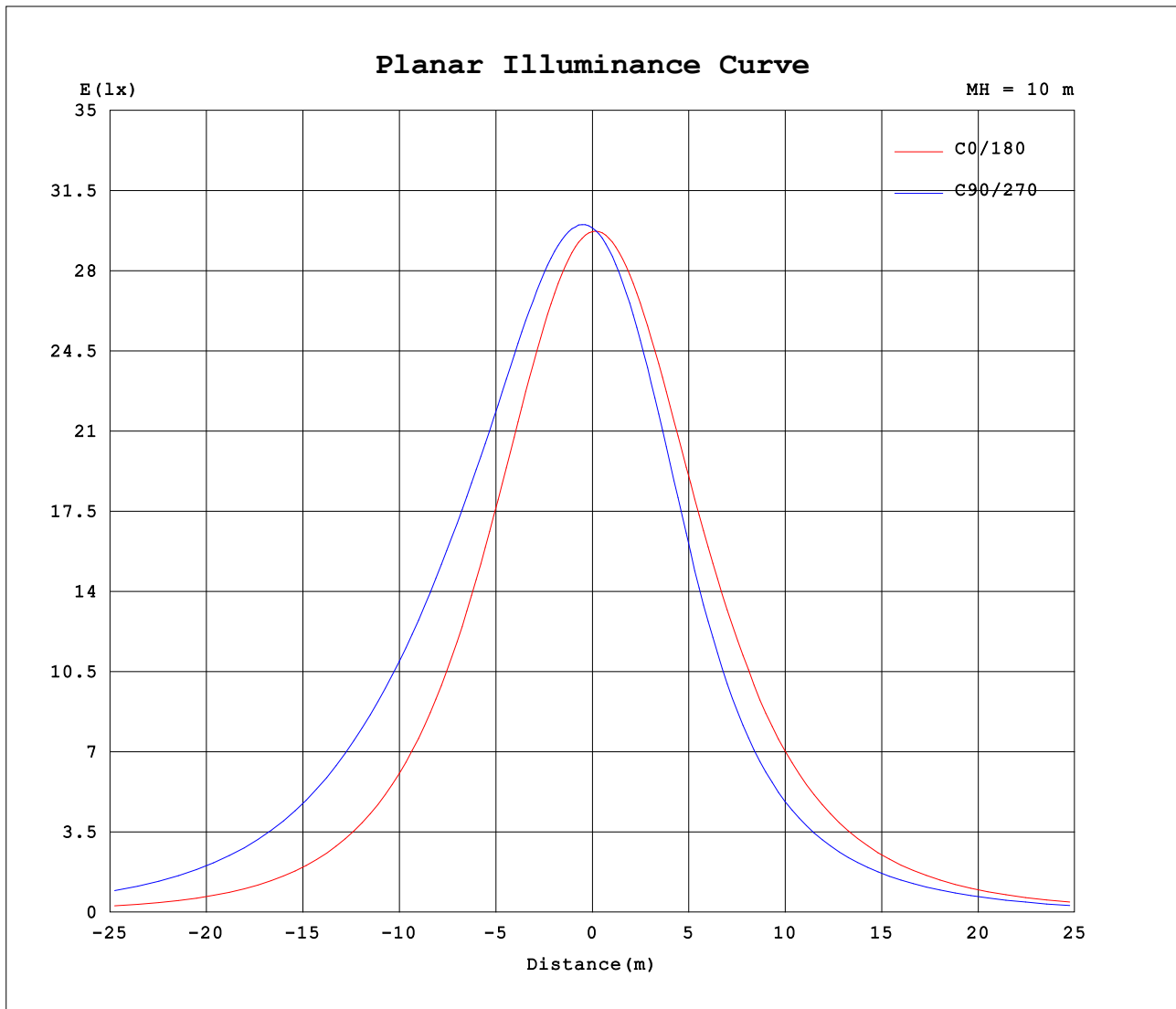
Test:U:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



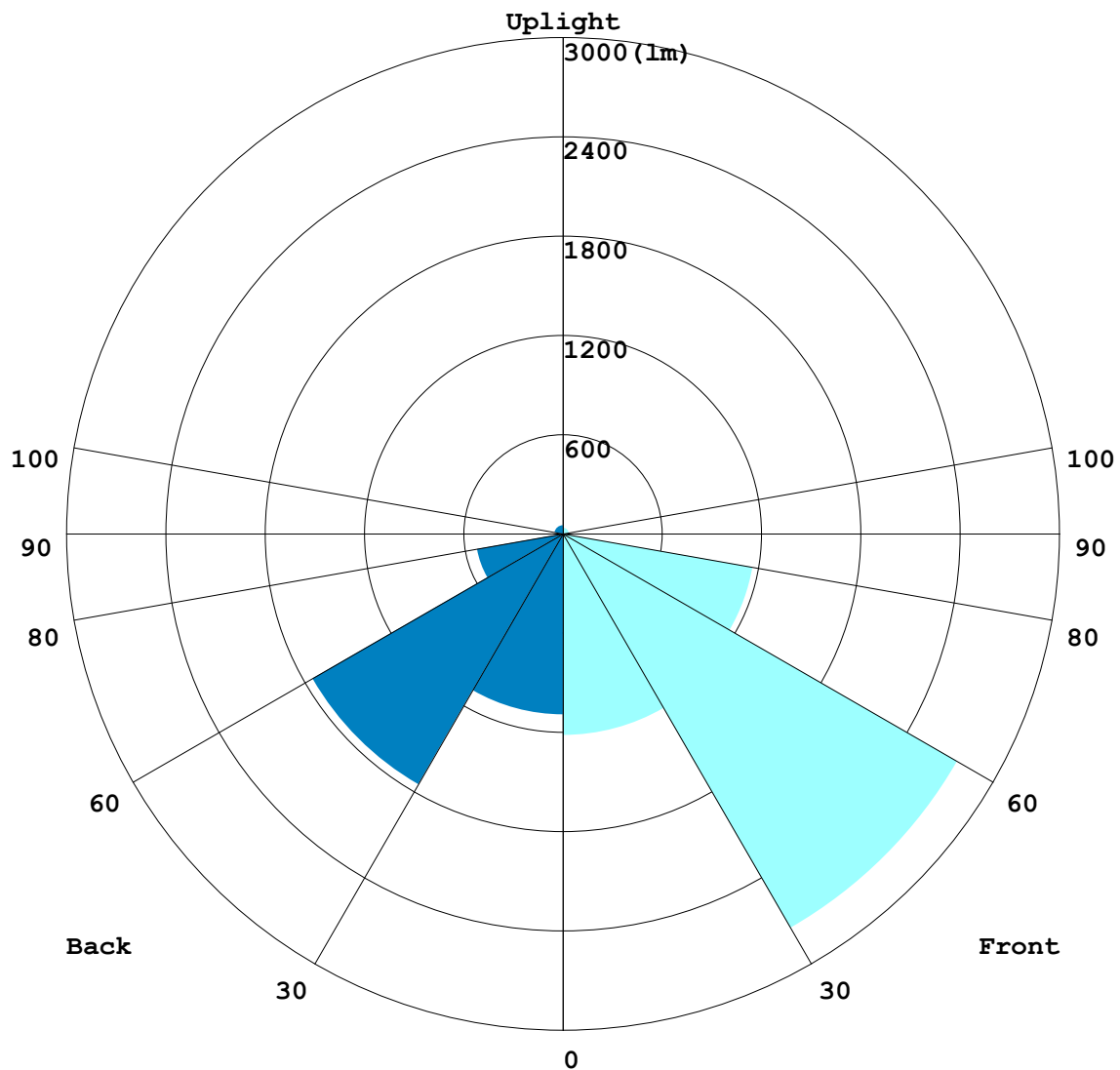
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 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)	1217.2	14.1
FM - Front-Medium(30-60)	2751.3	31.8
FH - Front-High(60-80)	1164.8	13.5
FVH - Front-Very High(80-90)	38.493	0.4
Total Forward Light	5211.5	60.2

BL - Back-Low(0-30)	1092.9	12.6
BM - Back-Medium(30-60)	1749.7	20.2
BH - Back-High(60-80)	528.12	6.1
BVH - Back-Very High(80-90)	21.268	0.2
Total Back Light	3448.3	39.8

UL - Uplight-Low(90-100)	6.1549	0.1
UH - Uplight-High(100-180)	89.879	1.0
Total Up Light	96.033	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3391.9	56.352	3448.3
Street Side	5171.8	39.681	5211.5

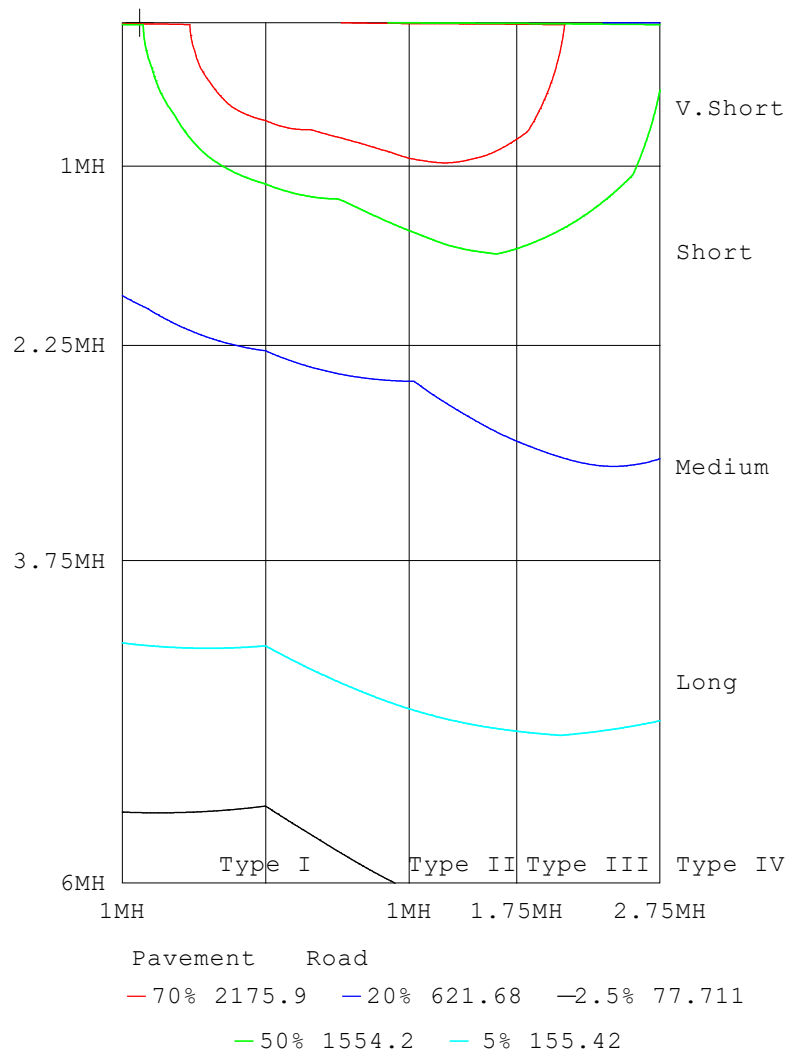
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 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:275.40V I:0.2222A P:60.602W PF:0.9902 Freq:60.00Hz Lamp Flux:8659.77x1 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	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982			
5	2948	2971	2994	3013	3021	3026	3016	3002	2986	2963	2944	2927	2919	2916	2920	2934			
10	2883	2933	2979	3023	3042	3047	3024	2994	2961	2915	2881	2845	2825	2820	2833	2856			
15	2791	2866	2940	3012	3050	3051	3008	2955	2907	2838	2784	2728	2700	2691	2714	2751			
20	2668	2771	2880	2992	3049	3040	2972	2890	2824	2736	2657	2574	2533	2523	2563	2617			
25	2522	2651	2800	2964	3047	3026	2915	2798	2713	2600	2496	2380	2322	2314	2378	2453			
30	2351	2509	2707	2936	3058	3010	2844	2682	2573	2441	2301	2153	2061	2078	2144	2268			
35	2157	2341	2603	2924	3084	3009	2761	2540	2410	2252	2060	1904	1812	1820	1903	2058			
40	1947	2137	2491	2910	3100	3008	2675	2378	2214	2045	1818	1657	1573	1576	1652	1823			
45	1720	1931	2372	2880	3090	2987	2580	2172	1999	1813	1573	1433	1366	1357	1406	1581			
50	1480	1707	2246	2818	3028	2934	2473	1972	1780	1571	1334	1236	1193	1167	1177	1334			
55	1228	1457	2102	2675	2845	2811	2351	1746	1545	1327	1116	1064	1038	996	975	1094			
60	962	1178	1920	2411	2543	2567	2194	1496	1296	1086	920	893	885	831	788	852			
65	693	889	1652	2029	2113	2208	1964	1222	1024	840	737	725	707	655	612	627			
70	449	608	1270	1571	1592	1751	1638	932	758	615	562	531	469	436	431	422			
75	232	349	838	655	556	1093	1207	649	505	410	377	261	205	180	223	239			
80	68.0	138	179	219	248	334	557	382	277	226	161	91.7	39.8	24.5	56.9	82.0			
85	4.49	4.91	6.13	6.68	7.66	12.2	137	143	97.2	74.3	22.1	6.95	6.65	6.79	6.31	5.37			
90	4.10	3.31	2.92	2.75	2.94	3.25	3.64	4.22	5.86	5.04	5.57	6.29	6.83	7.26	6.53	5.16			
95	5.53	4.49	3.97	3.53	3.32	3.13	3.11	3.31	3.64	4.98	6.75	8.49	9.36	9.67	8.61	6.83			
100	7.16	5.84	5.19	4.64	4.40	4.18	4.20	4.48	4.96	6.64	8.74	10.9	12.0	12.2	10.7	8.68			
105	8.98	7.38	6.59	5.91	5.63	5.40	5.48	5.83	6.49	8.46	10.8	13.3	14.7	14.6	12.8	10.7			
110	10.9	9.07	8.14	7.32	7.00	6.76	6.90	7.36	8.19	10.4	12.9	15.6	17.1	16.9	15.0	12.7			
115	13.0	10.9	9.84	8.89	8.51	8.27	8.48	9.04	10.1	12.5	15.1	17.8	19.5	19.2	17.3	14.9			
120	15.0	12.8	11.7	10.6	10.2	9.95	10.2	10.9	12.0	14.7	17.4	20.2	21.8	21.6	19.6	17.1			
125	17.0	14.7	13.6	12.5	12.1	11.8	12.1	12.7	14.0	16.9	19.6	22.4	24.0	23.8	21.7	19.1			
130	18.9	16.6	15.5	14.4	14.0	13.7	14.0	14.6	16.1	19.0	21.7	24.3	25.7	25.5	23.5	20.7			
135	20.5	18.3	17.2	16.2	15.8	15.5	15.8	16.4	18.0	20.8	23.5	25.8	27.1	26.9	24.9	22.3			
140	22.0	20.0	19.0	18.0	17.6	17.3	17.5	18.1	19.8	22.5	25.2	27.2	28.2	28.0	26.3	23.8			
145	23.4	21.5	20.6	19.7	19.4	19.2	19.3	19.8	21.5	23.8	26.4	28.4	29.1	28.8	27.3	25.0			
150	24.6	23.0	22.3	21.5	21.2	20.9	20.9	21.5	23.1	25.1	27.4	29.3	29.9	29.6	28.3	26.2			
155	25.8	24.5	23.8	23.1	22.9	22.6	22.5	23.1	24.6	26.1	28.1	29.8	30.3	30.0	29.0	27.1			
160	27.0	25.9	25.3	24.7	24.5	24.2	24.1	24.7	25.8	27.0	28.5	30.0	30.5	30.3	29.4	27.7			
165	28.2	27.3	26.8	26.2	26.1	25.8	25.8	26.2	27.1	27.8	28.9	30.1	30.4	30.3	29.6	28.3			
170	29.2	28.5	28.2	27.7	27.6	27.5	27.4	27.6	28.4	28.6	29.3	30.2	30.4	30.4	29.9	28.9			
175	29.8	29.3	29.1	28.8	28.9	28.8	28.6	28.6	29.5	29.3	29.6	30.2	30.1	30.3	29.9	29.2			
180	29.9	29.5	29.8	29.8	30.0	30.0	29.4	29.3	30.1	29.7	29.6	30.0	29.9	30.0	29.8	29.1			

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: