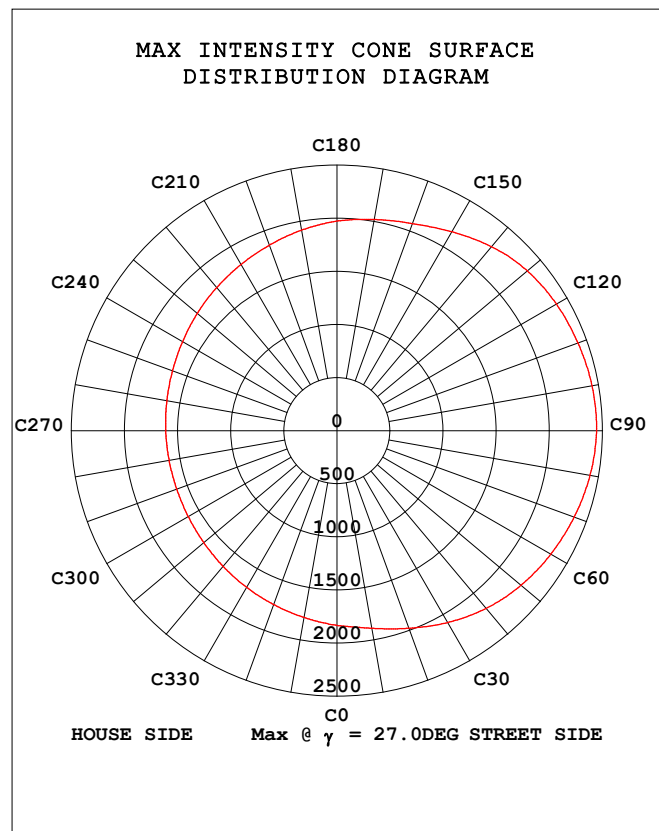
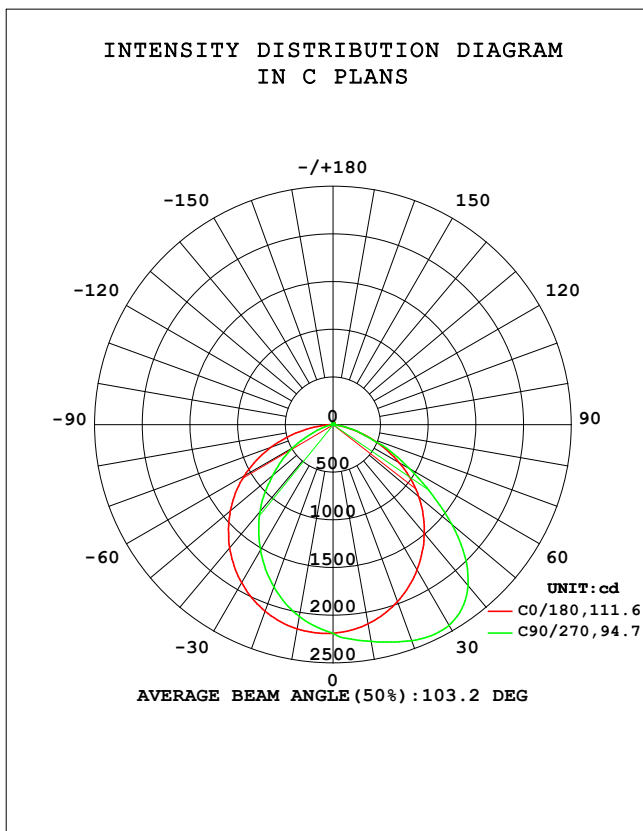


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.26 lm/W			
MODEL		Imax (cd)	2444	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	58.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6095	η house_up (%)	0.6
NOMINAL FLUX (lm)	6095.11	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	40.3
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

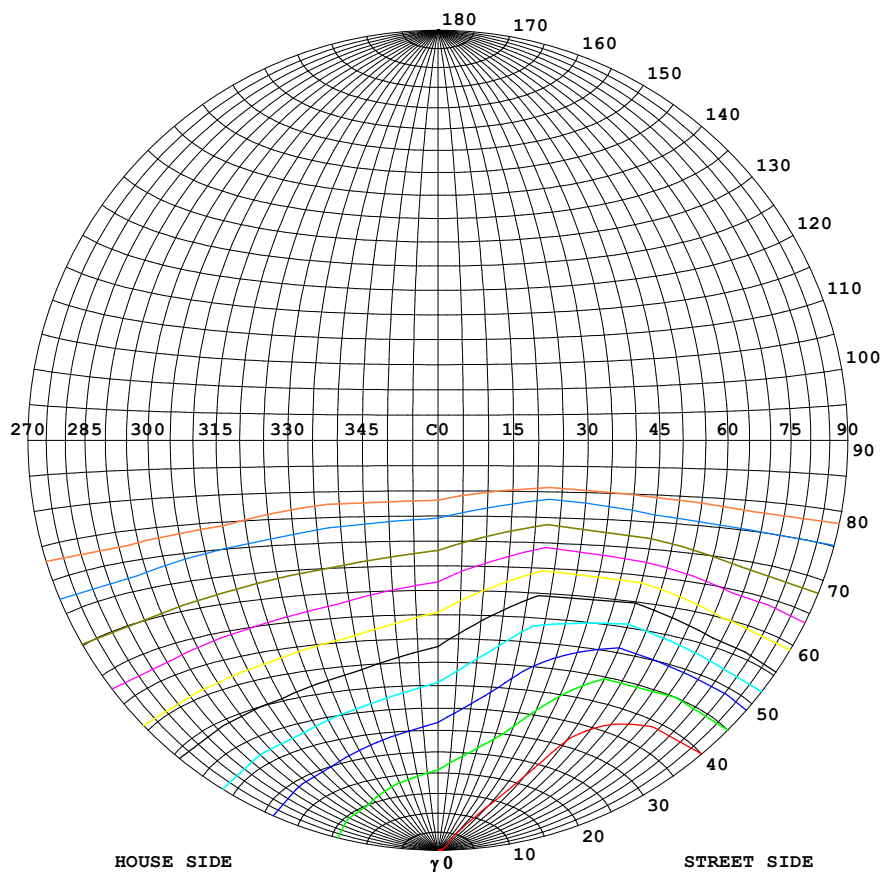


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

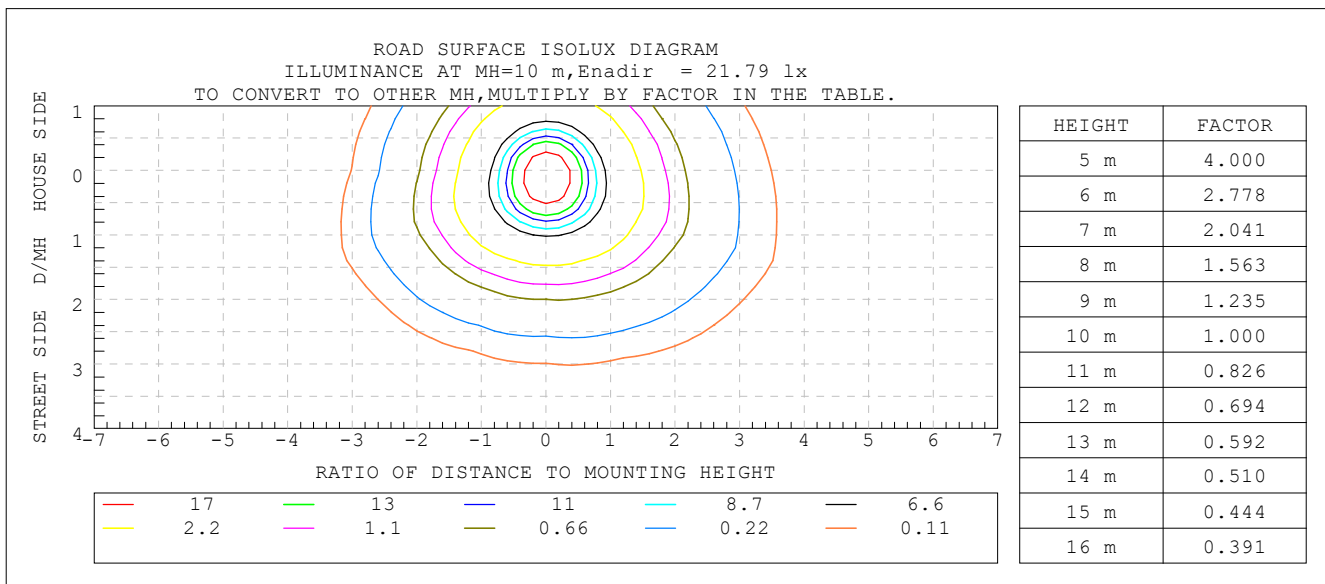
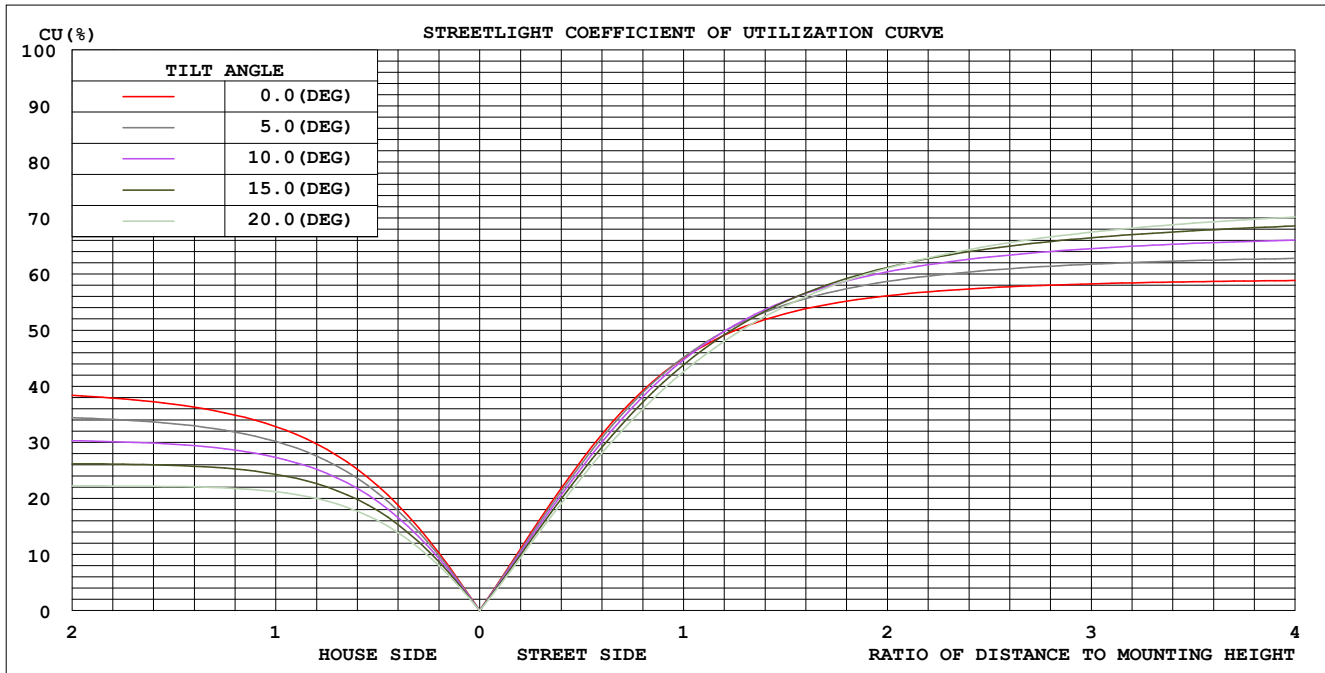
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.04cd/klm
Max.At90:0.7845cd/klm
Max.80-90:66.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2444
90%	2199
80%	1955
70%	1711
60%	1466
50%	1222
40%	977
30%	733
20%	489
10%	244
5%	122

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

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: 2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

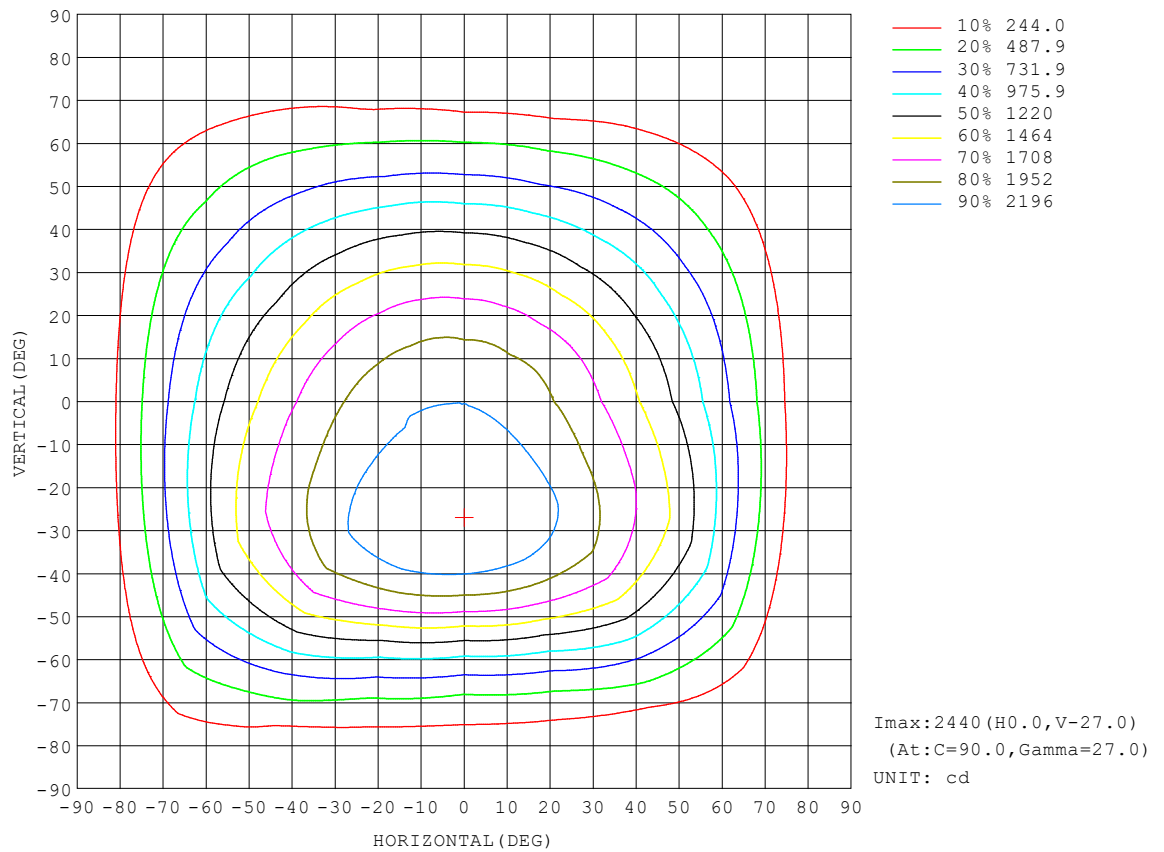
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2121	2242	2309	2273	2176	2092	2042	2057	0- 10	207.7	207.7	3.41,3.41
20	1976	2243	2411	2304	2084	1913	1814	1844	10- 20	599.3	807.0	13.2,13.2
30	1761	2212	2430	2300	1918	1658	1523	1563	20- 30	922.6	1730	28.4,28.4
40	1490	2081	2204	2198	1687	1351	1192	1240	30- 40	1130	2860	46.9,46.9
50	1174	1757	1627	1905	1407	1019	825.5	902.0	40- 50	1164	4024	66,66
60	805.8	1208	930.0	1380	1075	677.2	495.0	563.0	50- 60	994.3	5018	82.3,82.3
70	415.3	594.8	400.1	757.4	686.6	372.9	176.1	248.4	60- 70	669.9	5688	93.3,93.3
80	71.13	104.4	76.19	229.7	280.7	83.73	16.35	25.10	70- 80	297.5	5986	98.2,98.2
90	3.591	1.926	1.582	2.552	4.782	3.139	2.439	3.777	80- 90	41.27	6027	98.9,98.9
100	6.066	3.557	2.576	2.925	4.349	5.399	5.014	6.681	90-100	3.809	6031	98.9,98.9
110	9.005	5.739	4.518	4.934	6.933	8.441	8.531	10.01	100-110	6.183	6037	99,99
120	12.18	8.311	6.954	7.414	9.947	11.74	12.50	13.50	110-120	8.655	6046	99.2,99.2
130	15.11	11.11	9.719	10.16	13.04	14.93	16.15	16.73	120-130	10.57	6056	99.4,99.4
140	17.42	13.73	12.48	12.86	15.88	17.62	19.13	19.47	130-140	11.33	6068	99.5,99.5
150	19.24	16.22	15.15	15.55	18.24	19.73	21.03	21.19	140-150	10.73	6078	99.7,99.7
160	20.91	18.62	17.87	18.18	20.17	21.22	22.03	22.09	150-160	8.835	6087	99.9,99.9
170	22.43	20.86	20.47	20.79	21.93	22.20	22.68	22.59	160-170	5.882	6093	100,100
180	22.96	22.24	22.48	22.49	23.14	22.39	22.34	22.42	170-180	2.098	6095	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:2025-08-14

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

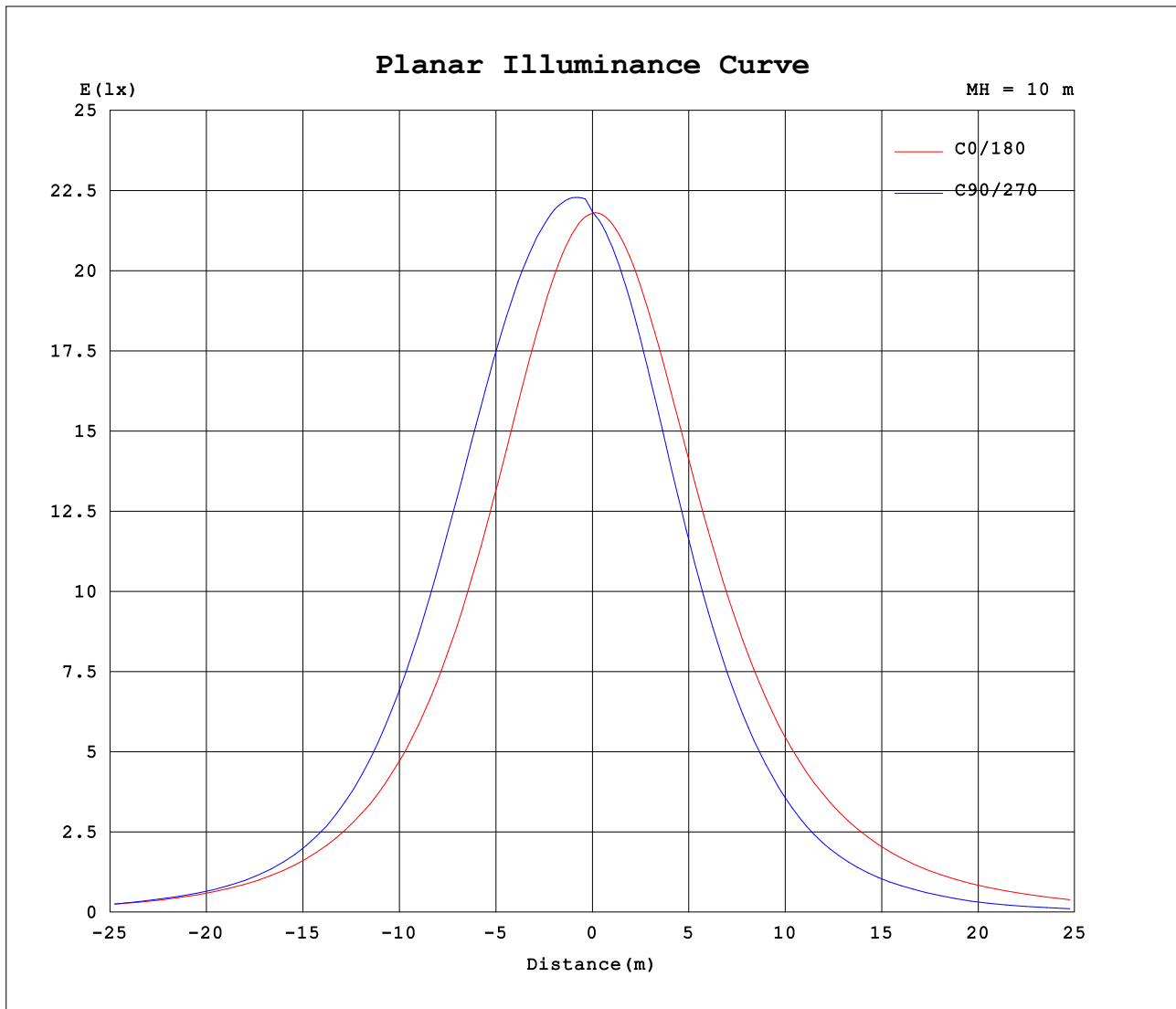
Test:U:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

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



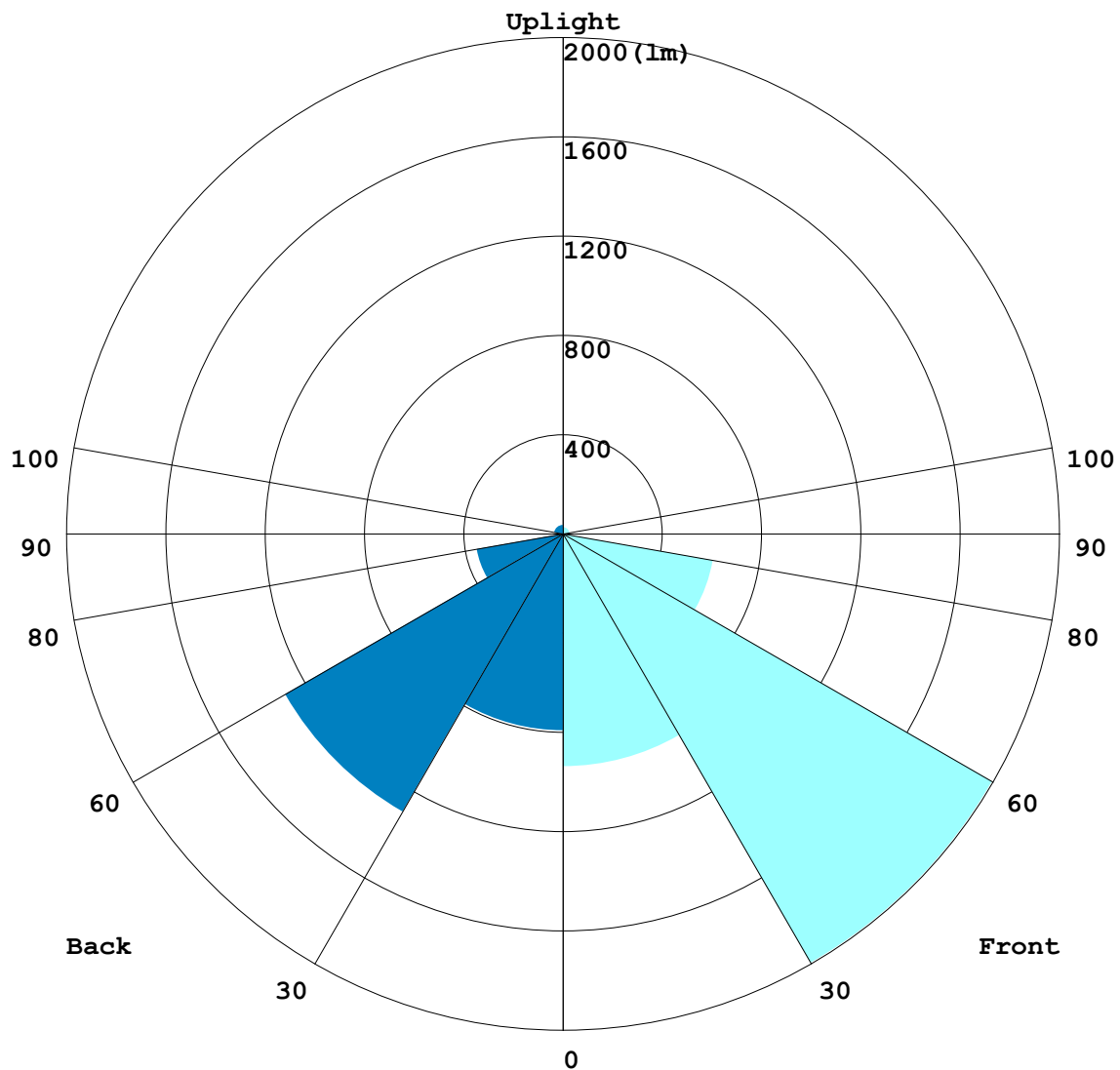
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 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:2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 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)	936.65	15.4
FM - Front-Medium(30-60)	1996	32.7
FH - Front-High(60-80)	614.46	10.1
FVH - Front-Very High(80-90)	25.074	0.4
Total Forward Light	3601.4	59.1

BL - Back-Low(0-30)	792.95	13.0
BM - Back-Medium(30-60)	1292.7	21.2
BH - Back-High(60-80)	352.99	5.8
BVH - Back-Very High(80-90)	16.191	0.3
Total Back Light	2493.7	40.9

UL - Uplight-Low(90-100)	3.8088	0.1
UH - Uplight-High(100-180)	64.285	1.1
Total Up Light	68.094	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2454.8	38.857	2493.7
Street Side	3572.2	29.237	3601.4

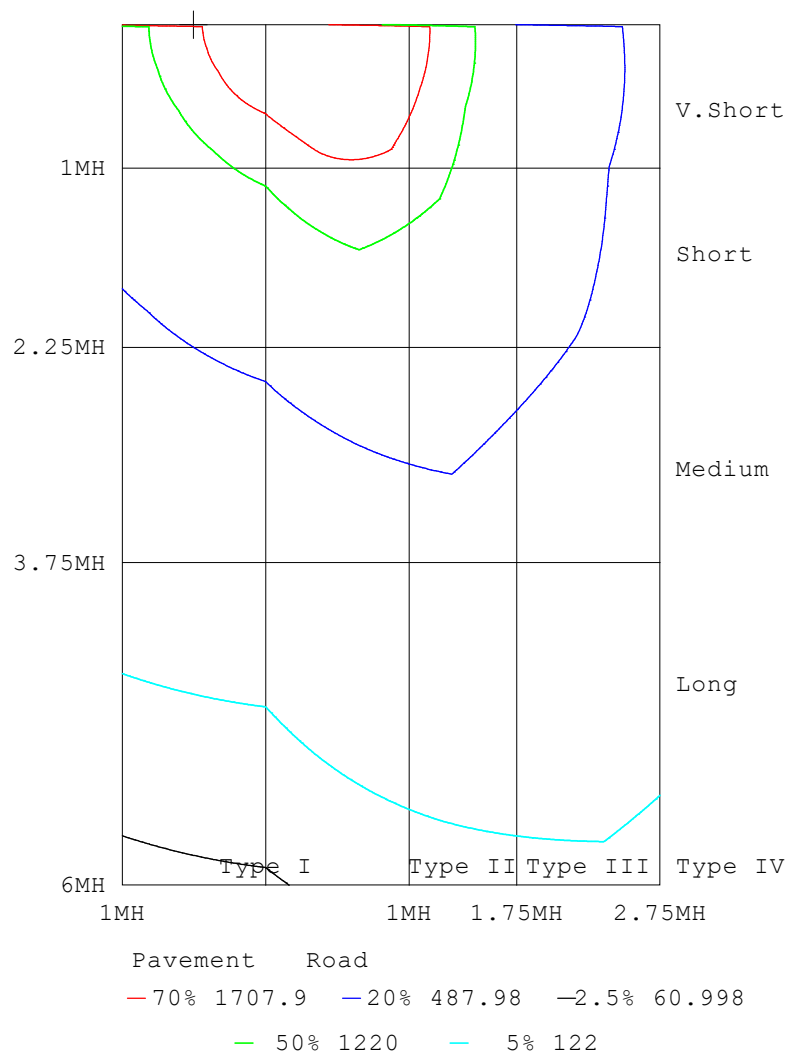
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 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:2025-08-14

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:275.75V I:0.1459A P:39.258W PF:0.9756 Freq:60.00Hz Lamp Flux:6095.11x1 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	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188			
5	2165	2189	2231	2230	2258	2239	2247	2210	2191	2169	2149	2131	2124	2124	2133	2148			
10	2121	2173	2242	2267	2309	2285	2273	2216	2176	2129	2092	2058	2042	2039	2057	2087			
15	2058	2140	2246	2305	2362	2330	2292	2185	2140	2070	2013	1961	1939	1934	1961	2006			
20	1976	2092	2243	2339	2411	2372	2304	2157	2084	1990	1913	1845	1814	1808	1844	1905			
25	1876	2032	2234	2362	2442	2401	2309	2114	2010	1891	1794	1710	1676	1666	1711	1783			
30	1761	1961	2212	2353	2430	2401	2300	2062	1918	1774	1658	1564	1523	1516	1563	1649			
35	1632	1879	2166	2293	2357	2350	2266	1997	1810	1639	1509	1408	1362	1356	1405	1499			
40	1490	1791	2081	2150	2204	2237	2198	1925	1687	1490	1351	1243	1192	1186	1240	1337			
45	1337	1690	1946	1943	1958	2020	2079	1837	1553	1330	1189	1073	1013	1013	1071	1169			
50	1174	1569	1757	1658	1627	1744	1905	1735	1407	1164	1019	883	826	818	902	1001			
55	998	1411	1508	1312	1261	1404	1670	1602	1250	996	852	709	657	650	728	825			
60	806	1202	1208	975	930	1060	1380	1427	1075	828	677	550	495	493	563	657			
65	610	953	885	698	663	770	1062	1206	886	655	520	385	313	317	414	492			
70	415	685	595	424	400	512	757	946	687	487	373	220	176	173	248	330			
75	230	417	296	250	250	297	479	671	483	324	206	114	84.9	77.4	108	188			
80	71.1	166	104	74.6	76.2	121	230	403	281	181	83.7	33.4	16.3	11.8	25.1	55.8			
85	3.87	3.88	4.83	5.17	6.31	11.2	44.7	135	99.9	50.8	11.7	2.78	2.31	2.63	3.34	3.93			
90	3.59	2.60	1.93	1.53	1.58	1.86	2.55	3.33	4.78	3.82	3.14	2.52	2.44	2.95	3.78	4.00			
95	4.76	3.52	2.67	2.09	1.83	1.84	2.14	2.59	3.25	3.95	4.05	3.69	3.59	4.25	5.16	5.28			
100	6.07	4.59	3.56	2.87	2.58	2.56	2.93	3.49	4.35	5.19	5.40	5.12	5.01	5.80	6.68	6.67			
105	7.49	5.79	4.59	3.79	3.48	3.44	3.87	4.54	5.58	6.52	6.89	6.73	6.72	7.52	8.32	8.14			
110	9.01	7.11	5.74	4.84	4.52	4.45	4.93	5.71	6.93	7.98	8.44	8.48	8.53	9.37	10.01	9.71			
115	10.6	8.52	6.98	6.00	5.68	5.58	6.11	6.99	8.41	9.52	10.1	10.3	10.5	11.3	11.8	11.4			
120	12.2	9.98	8.31	7.26	6.95	6.81	7.41	8.37	9.95	11.1	11.7	12.2	12.5	13.2	13.5	13.0			
125	13.7	11.4	9.72	8.61	8.32	8.15	8.80	9.78	11.5	12.7	13.4	13.9	14.4	15.0	15.2	14.5			
130	15.1	12.8	11.1	9.97	9.72	9.53	10.2	11.2	13.0	14.2	14.9	15.6	16.1	16.6	16.7	15.9			
135	16.3	14.1	12.4	11.3	11.1	10.9	11.5	12.5	14.5	15.6	16.3	17.0	17.7	18.2	18.2	17.1			
140	17.4	15.4	13.7	12.7	12.5	12.2	12.9	13.8	15.9	16.9	17.6	18.3	19.1	19.5	19.5	18.3			
145	18.4	16.6	15.0	14.0	13.8	13.6	14.2	15.0	17.1	18.1	18.7	19.4	20.2	20.5	20.4	19.2			
150	19.2	17.7	16.2	15.2	15.2	14.9	15.6	16.3	18.2	19.1	19.7	20.3	21.0	21.3	21.2	20.1			
155	20.1	18.8	17.4	16.5	16.5	16.3	16.9	17.4	19.3	20.0	20.6	21.0	21.6	21.8	21.8	20.8			
160	20.9	19.8	18.6	17.8	17.9	17.7	18.2	18.6	20.2	20.7	21.2	21.5	22.0	22.1	22.1	21.2			
165	21.7	20.8	19.8	19.0	19.2	19.0	19.5	19.7	21.0	21.3	21.7	22.0	22.4	22.4	22.3	21.6			
170	22.4	21.8	20.9	20.2	20.5	20.3	20.8	20.8	21.9	21.8	22.2	22.3	22.7	22.7	22.6	22.0			
175	22.9	22.4	21.7	21.2	21.5	21.4	21.7	21.7	22.7	22.3	22.4	22.4	22.6	22.6	22.6	22.2			
180	23.0	22.7	22.2	22.1	22.5	22.3	22.5	22.2	23.1	22.5	22.4	22.2	22.3	22.4	22.4	22.1			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

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: