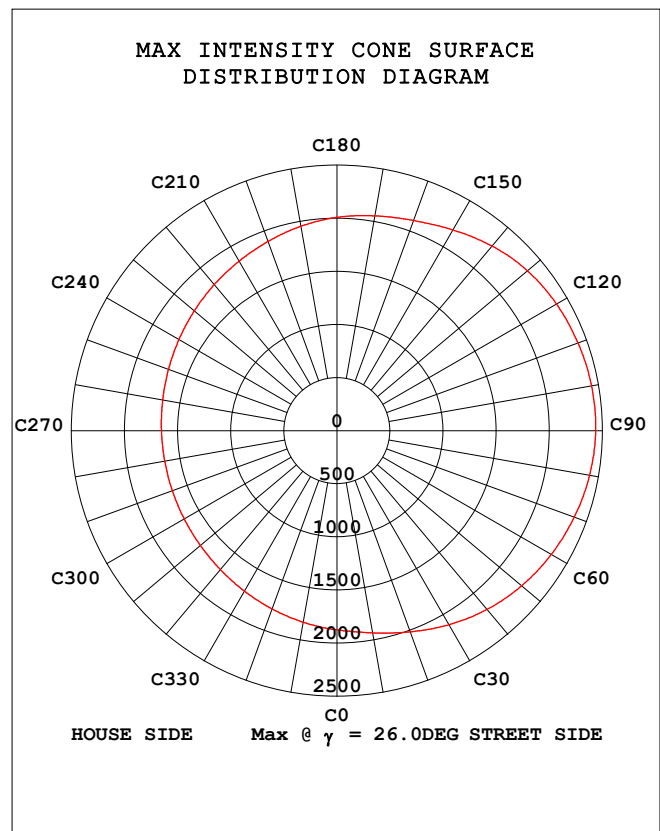
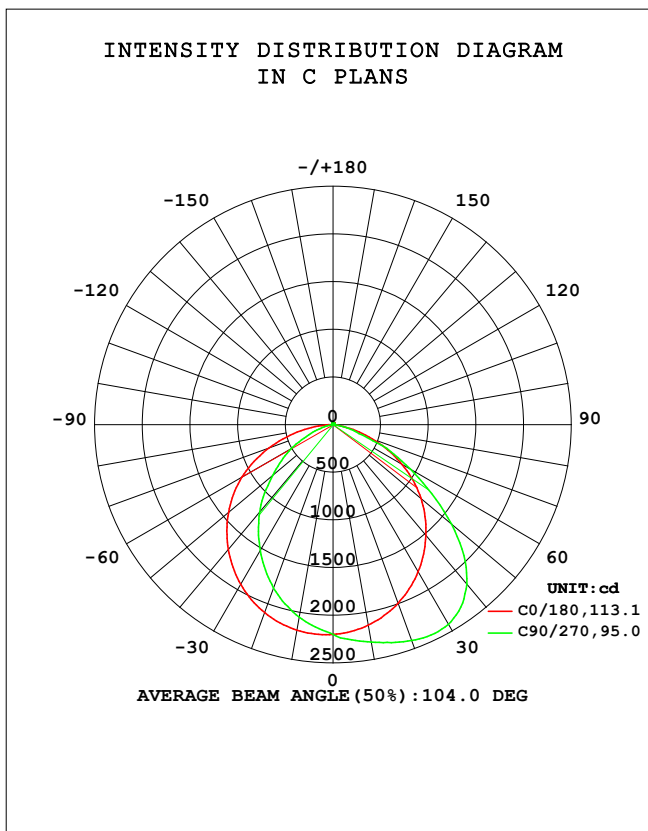


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.41 lm/W			
MODEL		I _{max} (cd)	2436	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	58.2
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6139	η house_up (%)	0.6
NOMINAL FLUX (lm)	6139.33	MAXIMUM @ (C, γ)	90, 26.0	η house_down (%)	40.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

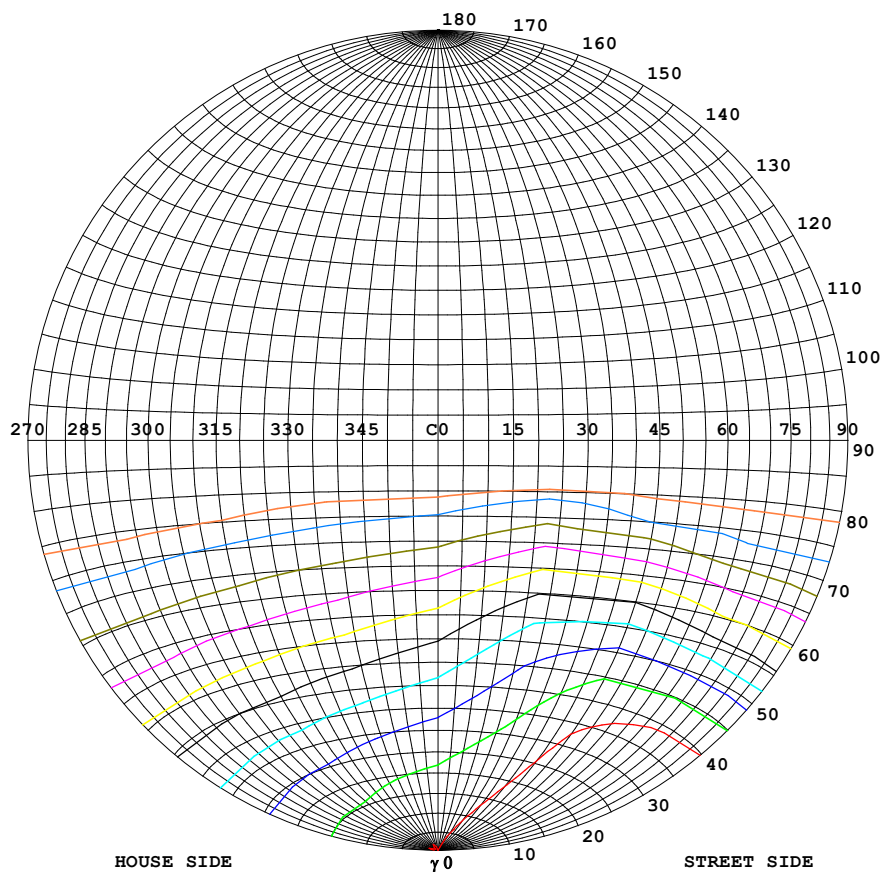


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

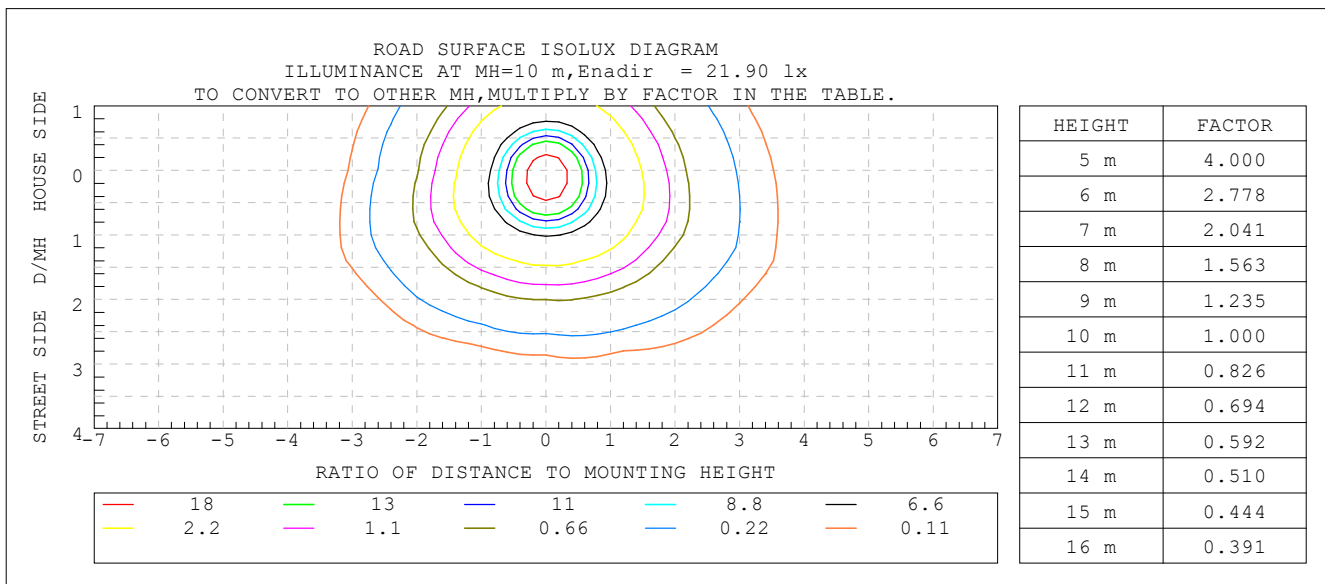
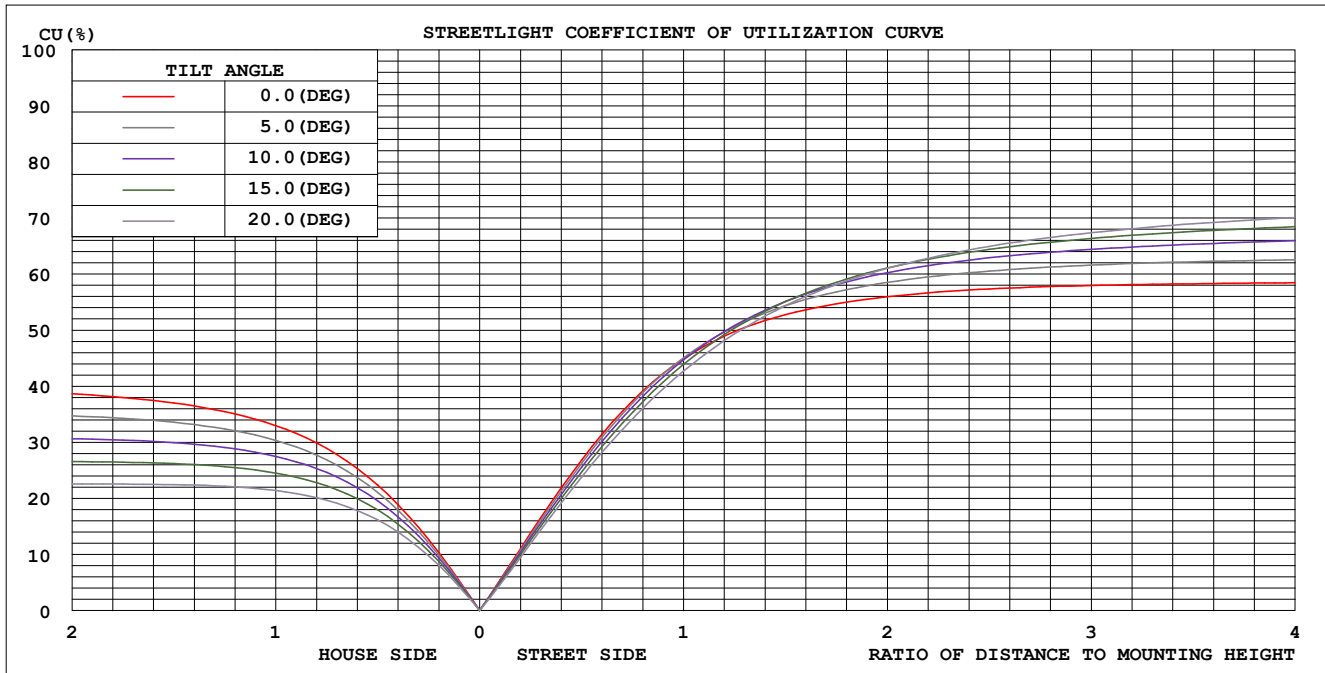
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.84cd/klm
Max.At90:0.7600cd/klm
Max.80-90:66.84cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2436
90%	2193
80%	1949
70%	1705
60%	1462
50%	1218
40%	974
30%	731
20%	487
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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

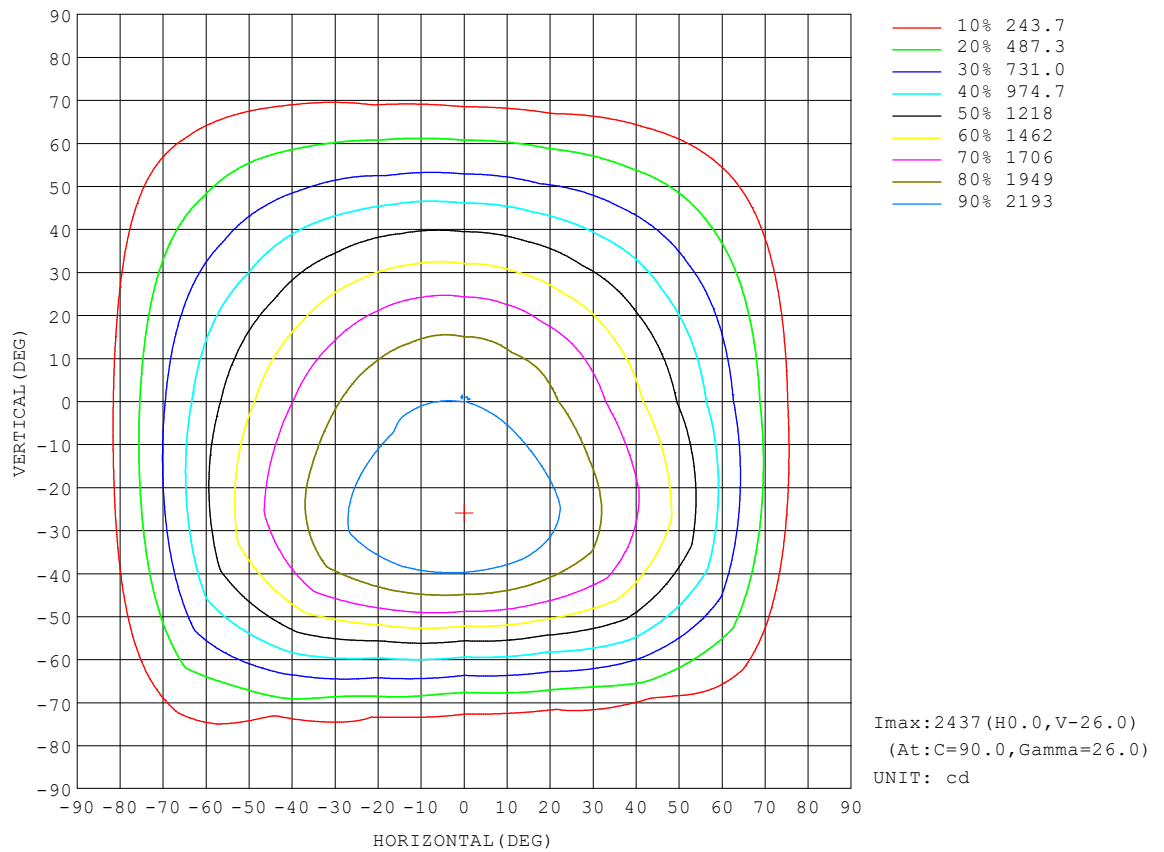
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2136	2251	2316	2280	2189	2096	2049	2063	0- 10	208.7	208.7	3.4,3.4
20	1994	2251	2410	2310	2099	1920	1825	1855	10- 20	602.6	811.3	13.2,13.2
30	1784	2215	2419	2300	1937	1668	1528	1575	20- 30	927.6	1739	28.3,28.3
40	1518	2076	2184	2189	1709	1359	1198	1250	30- 40	1135	2874	46.8,46.8
50	1205	1747	1621	1889	1432	1031	827.9	915.8	40- 50	1170	4044	65.9,65.9
60	836.9	1209	939.3	1374	1107	689.3	509.6	574.9	50- 60	1004	5048	82.2,82.2
70	442.2	595.2	332.5	758.9	713.4	388.6	206.0	268.1	60- 70	683.1	5731	93.4,93.4
80	82.48	108.5	70.85	179.7	304.2	100.5	24.92	33.23	70- 80	298.2	6029	98.2,98.2
90	3.594	2.013	1.579	2.398	4.666	3.209	2.391	3.756	80- 90	41.62	6071	98.9,98.9
100	6.031	3.674	2.658	2.973	4.339	5.399	5.042	6.682	90-100	3.829	6075	99,99
110	8.942	5.868	4.603	4.972	6.882	8.455	8.637	10.02	100-110	6.220	6081	99.1,99.1
120	12.04	8.469	7.048	7.443	9.858	11.75	12.60	13.52	110-120	8.688	6090	99.2,99.2
130	14.90	11.27	9.822	10.16	12.87	14.95	16.32	16.80	120-130	10.60	6100	99.4,99.4
140	17.14	13.89	12.61	12.82	15.63	17.65	19.31	19.55	130-140	11.35	6112	99.6,99.6
150	18.92	16.40	15.30	15.48	17.94	19.77	21.25	21.27	140-150	10.74	6123	99.7,99.7
160	20.54	18.80	18.04	18.08	19.82	21.22	22.27	22.16	150-160	8.841	6131	99.9,99.9
170	22.03	21.07	20.67	20.65	21.54	22.19	22.91	22.66	160-170	5.884	6137	100,100
180	22.55	22.48	22.70	22.31	22.70	22.30	22.62	22.53	170-180	2.098	6139	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

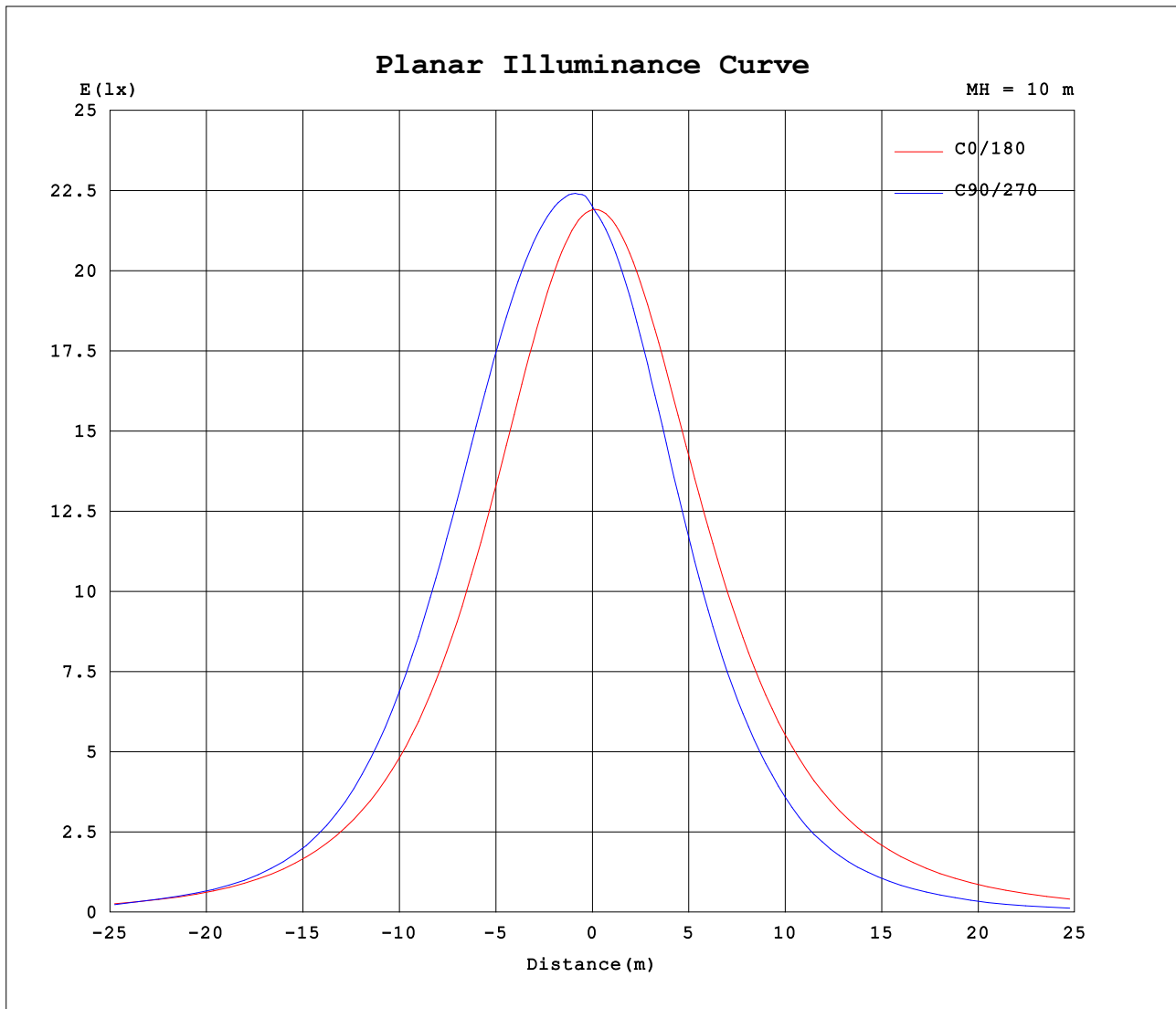
Test:U:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



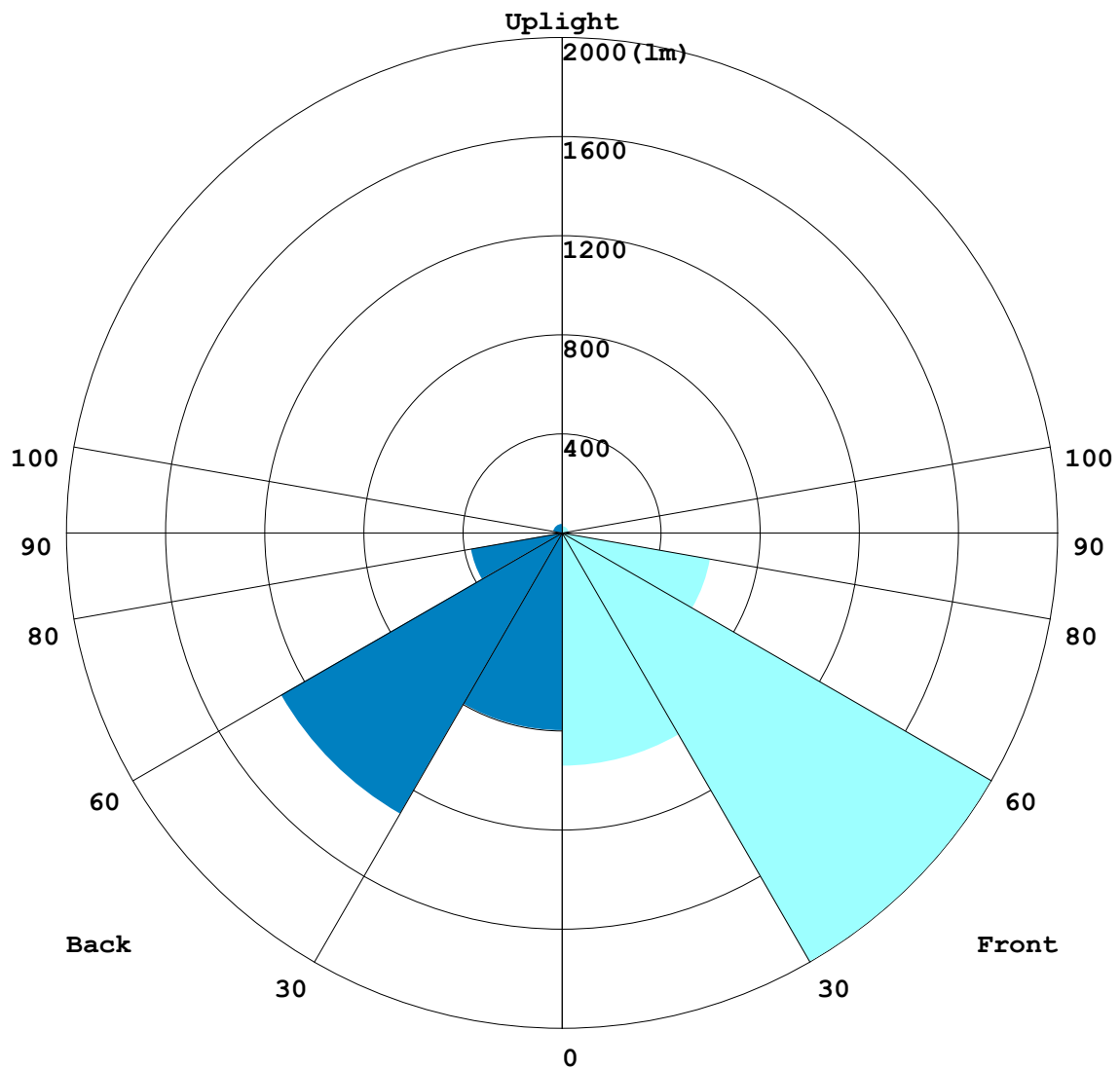
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 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)	940.9	15.3
FM - Front-Medium(30-60)	1999.9	32.6
FH - Front-High(60-80)	607.85	9.9
FVH - Front-Very High(80-90)	22.879	0.4
Total Forward Light	3600.8	58.7

BL - Back-Low(0-30)	798.07	13.0
BM - Back-Medium(30-60)	1309.3	21.3
BH - Back-High(60-80)	373.52	6.1
BVH - Back-Very High(80-90)	18.737	0.3
Total Back Light	2538.5	41.3

UL - Uplight-Low(90-100)	3.8288	0.1
UH - Uplight-High(100-180)	64.42	1.0
Total Up Light	68.249	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2499.6	38.909	2538.5
Street Side	3571.5	29.34	3600.8

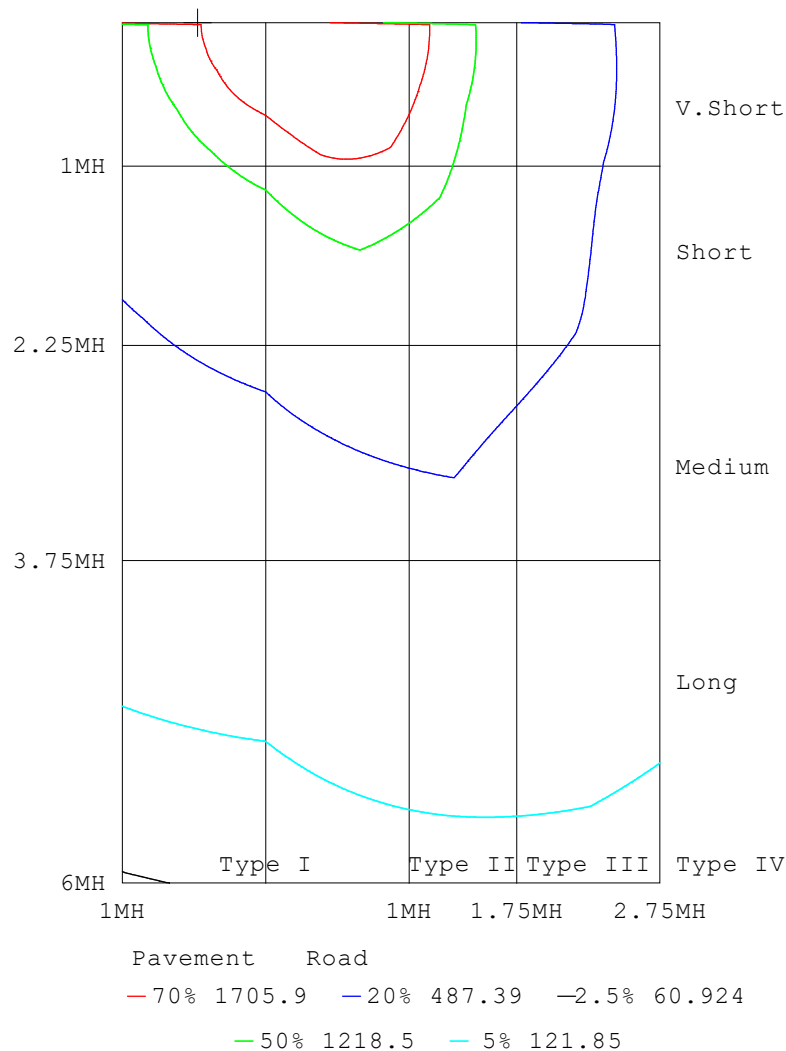
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 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:275.73V I:0.1505A P:40.549W PF:0.9771 Freq:60.00Hz Lamp Flux:6139.33x1 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	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201	2201			
5	2179	2203	2238	2245	2267	2254	2253	2224	2205	2180	2154	2142	2131	2135	2138	2160			
10	2136	2188	2251	2281	2316	2299	2280	2229	2189	2141	2096	2070	2049	2053	2063	2100			
15	2074	2156	2254	2317	2366	2344	2300	2218	2153	2082	2018	1974	1948	1949	1969	2019			
20	1994	2110	2251	2348	2410	2381	2310	2173	2099	2004	1920	1857	1825	1824	1855	1921			
25	1897	2051	2240	2367	2436	2406	2312	2133	2027	1906	1802	1724	1683	1682	1724	1801			
30	1784	1983	2215	2352	2419	2399	2300	2079	1937	1789	1668	1576	1528	1527	1575	1669			
35	1657	1901	2165	2286	2339	2344	2262	2015	1831	1657	1519	1417	1365	1364	1416	1521			
40	1518	1812	2076	2139	2184	2209	2189	1940	1709	1509	1359	1253	1198	1197	1250	1359			
45	1367	1710	1936	1933	1944	2007	2065	1852	1576	1351	1196	1085	1018	1025	1082	1194			
50	1205	1585	1747	1655	1621	1738	1889	1746	1432	1187	1031	887	828	823	916	1026			
55	1029	1426	1503	1319	1264	1408	1657	1608	1277	1020	867	715	664	659	739	851			
60	837	1214	1209	986	939	1069	1374	1434	1107	850	689	561	510	507	575	683			
65	640	963	893	707	668	779	1062	1209	915	678	532	406	336	341	428	516			
70	442	697	595	371	332	487	759	950	713	511	389	252	206	205	268	347			
75	253	427	236	196	196	234	465	677	506	342	229	133	98.0	92.9	129	201			
80	82.5	152	108	75.7	70.8	127	180	410	304	195	100	46.5	24.9	18.8	33.2	70.0			
85	3.83	3.54	4.45	4.48	5.16	7.97	41.0	106	119	59.2	17.6	3.23	2.52	2.79	3.49	4.07			
90	3.59	2.64	2.01	1.61	1.58	1.76	2.40	3.05	4.67	3.93	3.21	2.51	2.39	2.93	3.76	3.96			
95	4.74	3.56	2.77	2.18	1.91	1.92	2.18	2.63	3.25	3.93	4.04	3.70	3.56	4.25	5.15	5.24			
100	6.03	4.62	3.67	2.97	2.66	2.65	2.97	3.53	4.34	5.17	5.40	5.17	5.04	5.82	6.68	6.61			
105	7.44	5.81	4.71	3.91	3.56	3.54	3.91	4.58	5.57	6.50	6.90	6.81	6.74	7.58	8.32	8.07			
110	8.94	7.11	5.87	4.96	4.60	4.56	4.97	5.75	6.88	7.95	8.46	8.59	8.64	9.44	10.0	9.63			
115	10.5	8.49	7.11	6.14	5.77	5.70	6.15	7.02	8.34	9.48	10.1	10.4	10.6	11.4	11.8	11.3			
120	12.0	9.92	8.47	7.41	7.05	6.94	7.44	8.38	9.86	11.1	11.8	12.3	12.6	13.3	13.5	12.9			
125	13.5	11.4	9.88	8.78	8.42	8.29	8.81	9.77	11.4	12.7	13.4	14.1	14.5	15.1	15.2	14.4			
130	14.9	12.7	11.3	10.2	9.82	9.68	10.2	11.1	12.9	14.1	15.0	15.8	16.3	16.8	16.8	15.7			
135	16.1	14.0	12.6	11.5	11.2	11.0	11.5	12.4	14.3	15.5	16.3	17.3	17.9	18.4	18.2	17.0			
140	17.1	15.2	13.9	12.9	12.6	12.4	12.8	13.7	15.6	16.8	17.7	18.6	19.3	19.7	19.5	18.1			
145	18.1	16.3	15.2	14.2	14.0	13.8	14.2	14.9	16.8	17.9	18.8	19.7	20.4	20.8	20.5	19.0			
150	18.9	17.4	16.4	15.5	15.3	15.1	15.5	16.1	17.9	19.0	19.8	20.6	21.3	21.5	21.3	19.9			
155	19.7	18.5	17.6	16.8	16.7	16.5	16.8	17.3	18.9	19.8	20.6	21.3	21.8	22.0	21.8	20.5			
160	20.5	19.5	18.8	18.1	18.0	17.9	18.1	18.4	19.8	20.5	21.2	21.9	22.3	22.4	22.2	21.0			
165	21.3	20.5	20.0	19.4	19.4	19.3	19.4	19.6	20.7	21.1	21.7	22.3	22.6	22.6	22.4	21.3			
170	22.0	21.5	21.1	20.6	20.7	20.6	20.6	20.6	21.5	21.7	22.2	22.7	22.9	22.9	22.7	21.7			
175	22.5	22.1	21.9	21.6	21.7	21.7	21.6	21.5	22.3	22.1	22.4	22.8	22.8	22.9	22.7	21.9			
180	22.6	22.3	22.5	22.4	22.7	22.6	22.3	22.1	22.7	22.3	22.3	22.6	22.6	22.6	22.5	21.9			

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: