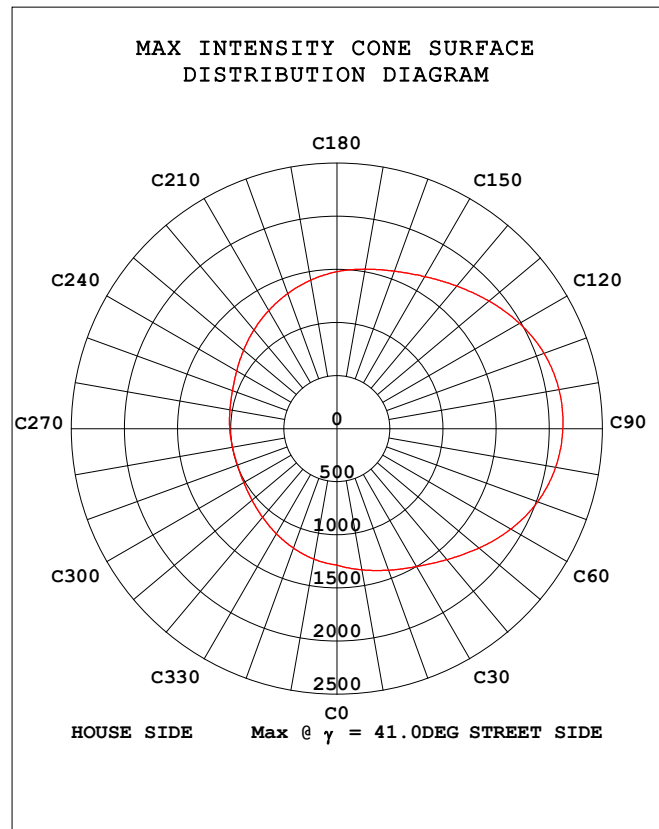
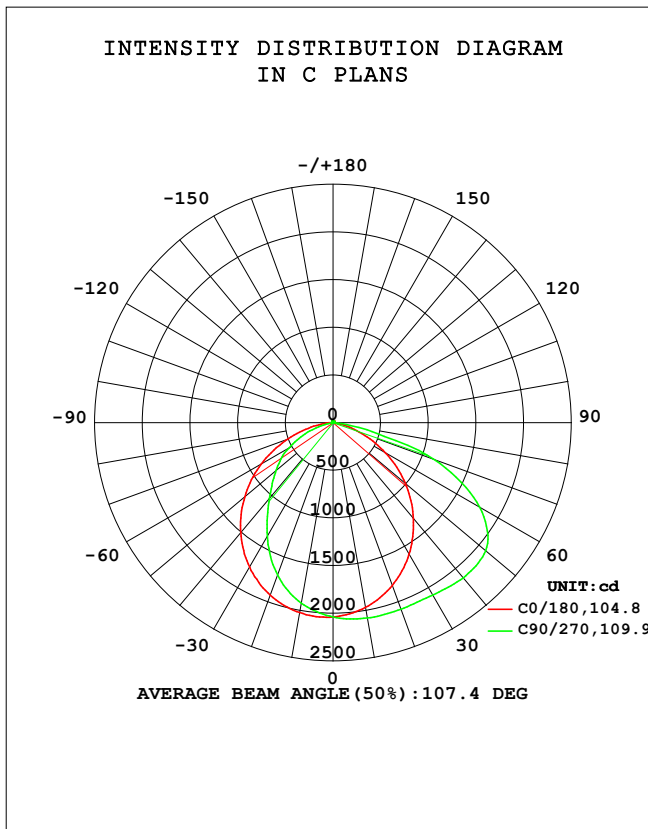


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.73V I:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.66 lm/W			
MODEL		I _{max} (cd)	2126	η street_up (%)	0.4
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	60.8
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5875	η house_up (%)	0.6
NOMINAL FLUX (lm)	5874.83	MAXIMUM @ (C, γ)	90, 41.0	η house_down (%)	38.1
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

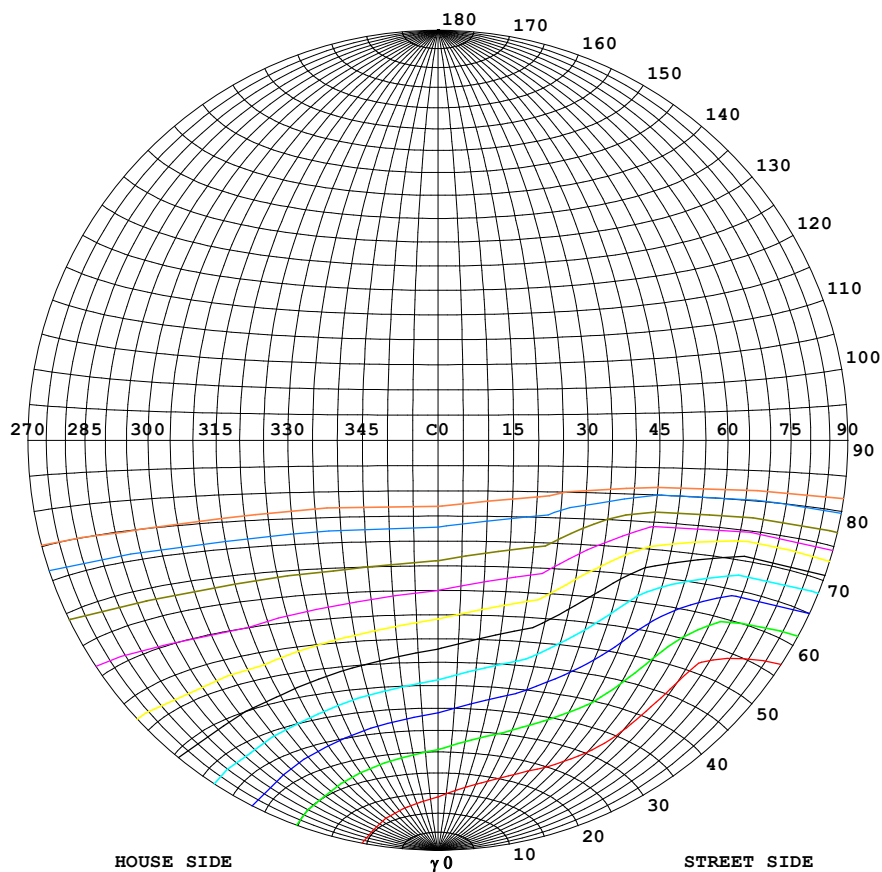


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

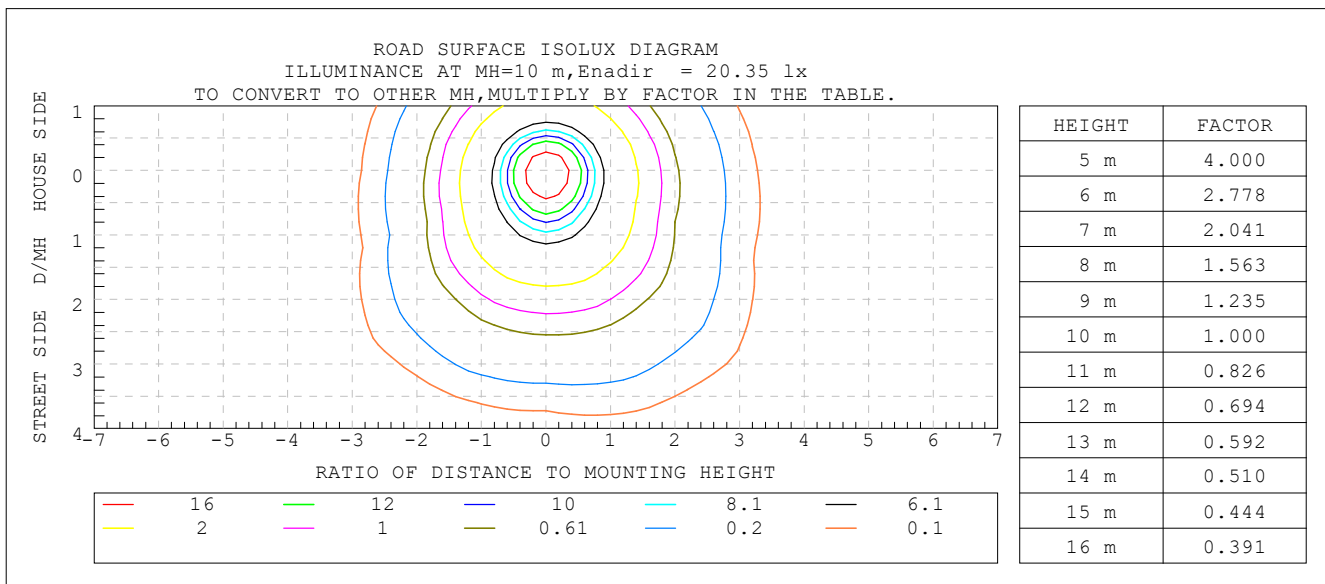
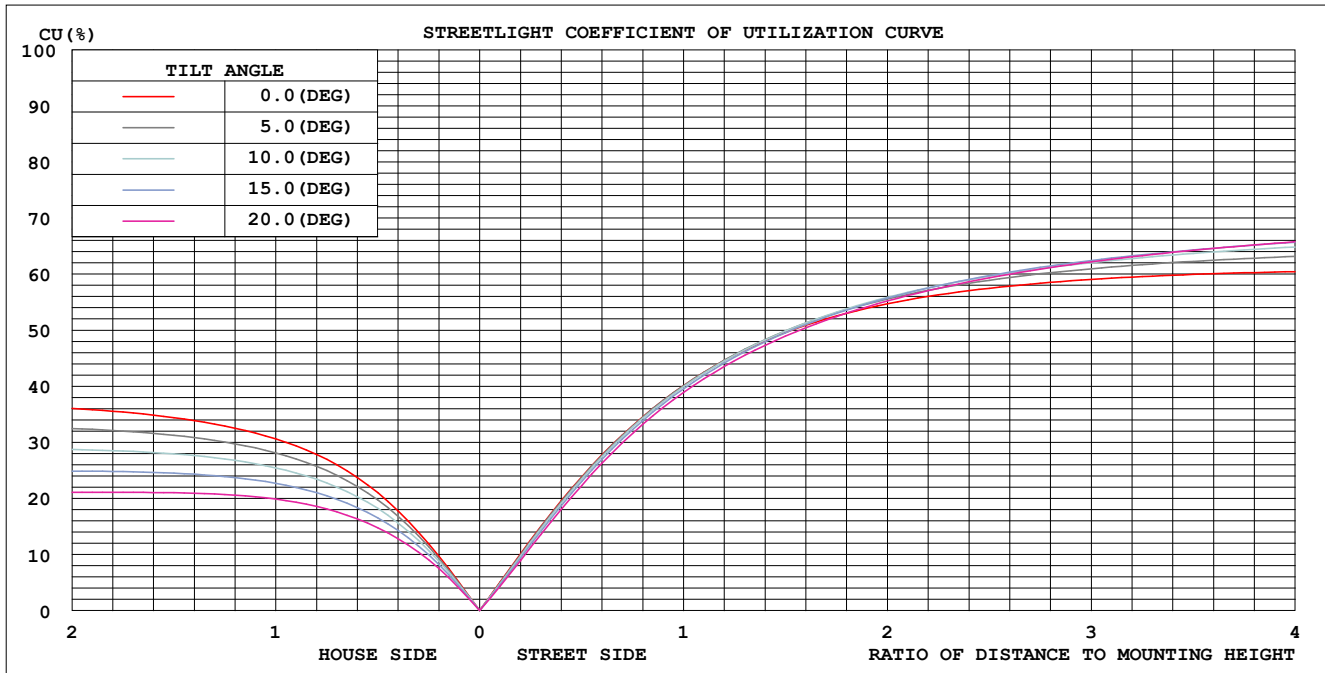
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:79.05cd/klm
Max.At90:0.8432cd/klm
Max.80-90:79.05cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2126
90%	1914
80%	1701
70%	1488
60%	1276
50%	1063
40%	850
30%	638
20%	425
10%	213
5%	106

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:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

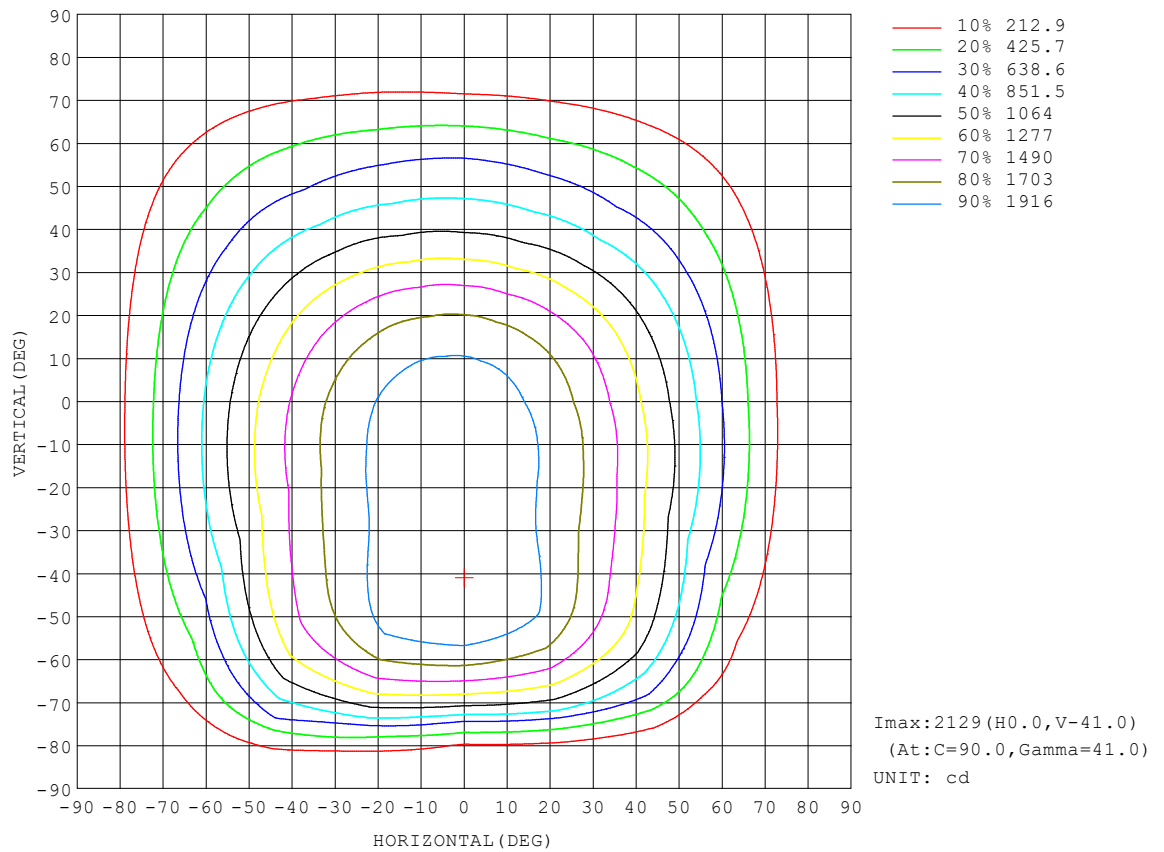
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1968	2035	2081	2069	2022	1962	1922	1928	0- 10	192.6	192.6	3.28,3.28
20	1818	1965	2082	2032	1926	1798	1703	1731	10- 20	549.9	742.5	12.6,12.6
30	1596	1844	2089	1943	1752	1543	1382	1444	20- 30	828.0	1571	26.7,26.7
40	1315	1692	2125	1823	1505	1216	1039	1101	30- 40	996.0	2567	43.7,43.7
50	990.9	1523	2092	1687	1208	882.6	782.5	775.6	40- 50	1052	3619	61.6,61.6
60	637.6	1308	1776	1502	871.3	603.0	531.5	509.6	50- 60	993.1	4612	78.5,78.5
70	296.3	875.5	1125	1133	505.8	342.6	261.4	246.8	60- 70	771.9	5384	91.6,91.6
80	43.90	209.9	186.7	464.4	179.1	91.07	17.22	24.34	70- 80	380.4	5764	98.1,98.1
90	2.726	1.821	1.878	2.782	4.119	3.806	4.742	4.375	80- 90	46.95	5811	98.9,98.9
100	4.798	3.306	2.602	2.551	3.300	6.070	8.196	7.082	90-100	4.079	5815	99,99
110	7.347	5.288	4.271	4.293	5.461	8.900	11.55	9.876	100-110	6.244	5821	99.1,99.1
120	10.13	7.691	6.349	6.440	8.068	11.95	14.66	12.90	110-120	8.347	5830	99.2,99.2
130	12.78	10.27	8.838	8.892	10.76	14.89	17.21	15.34	120-130	9.922	5840	99.4,99.4
140	14.95	12.69	11.30	11.27	13.31	17.26	18.80	17.19	130-140	10.40	5850	99.6,99.6
150	16.72	14.99	13.70	13.55	15.55	18.78	19.86	18.49	140-150	9.717	5860	99.7,99.7
160	18.38	17.12	15.97	15.72	17.43	19.51	20.23	19.21	150-160	7.936	5868	99.9,99.9
170	19.87	19.05	18.02	17.89	19.15	20.09	20.16	19.54	160-170	5.235	5873	100,100
180	20.39	20.19	19.64	19.29	20.27	20.27	19.83	19.39	170-180	1.858	5875	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

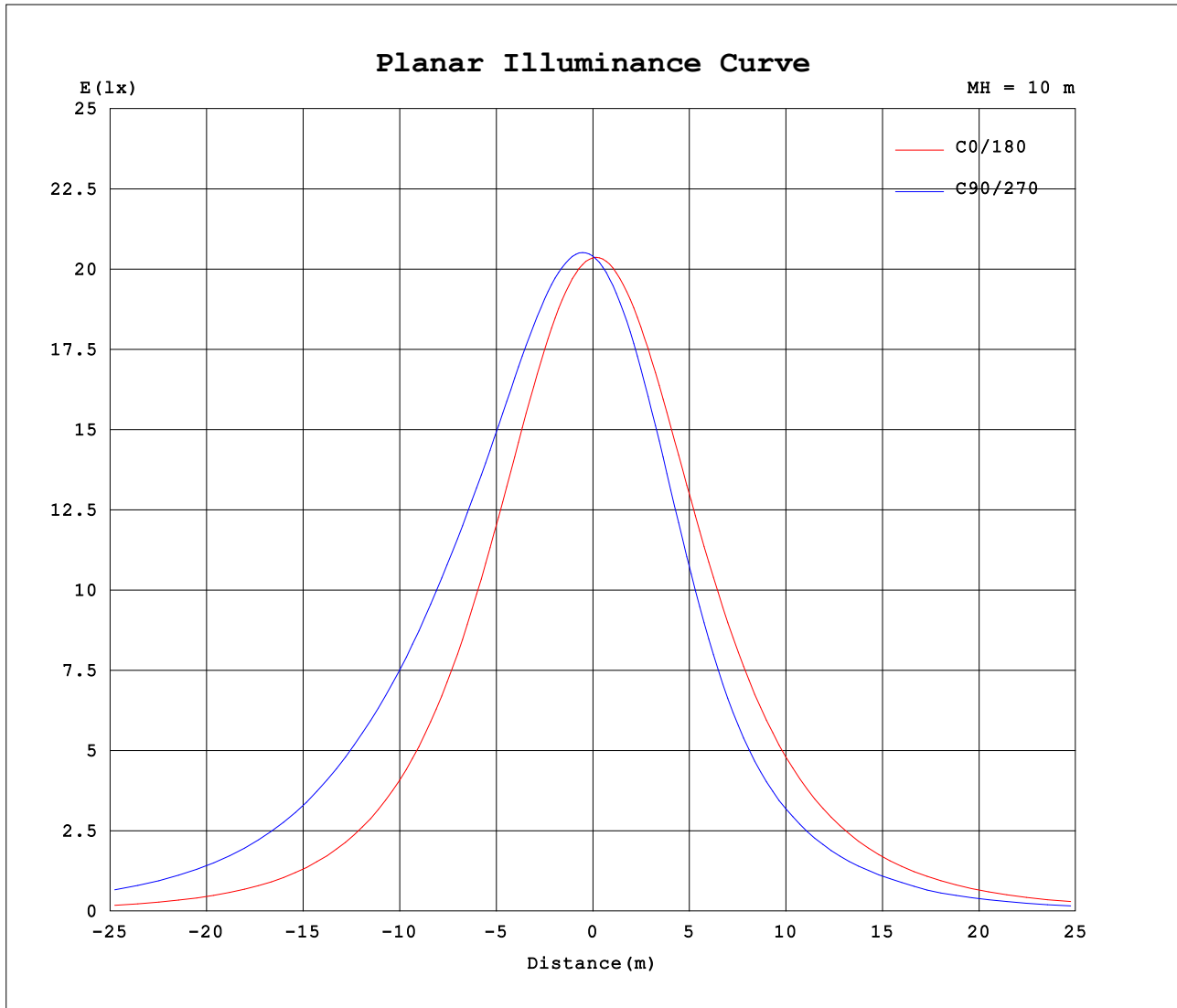
Test:U:275.73V I:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



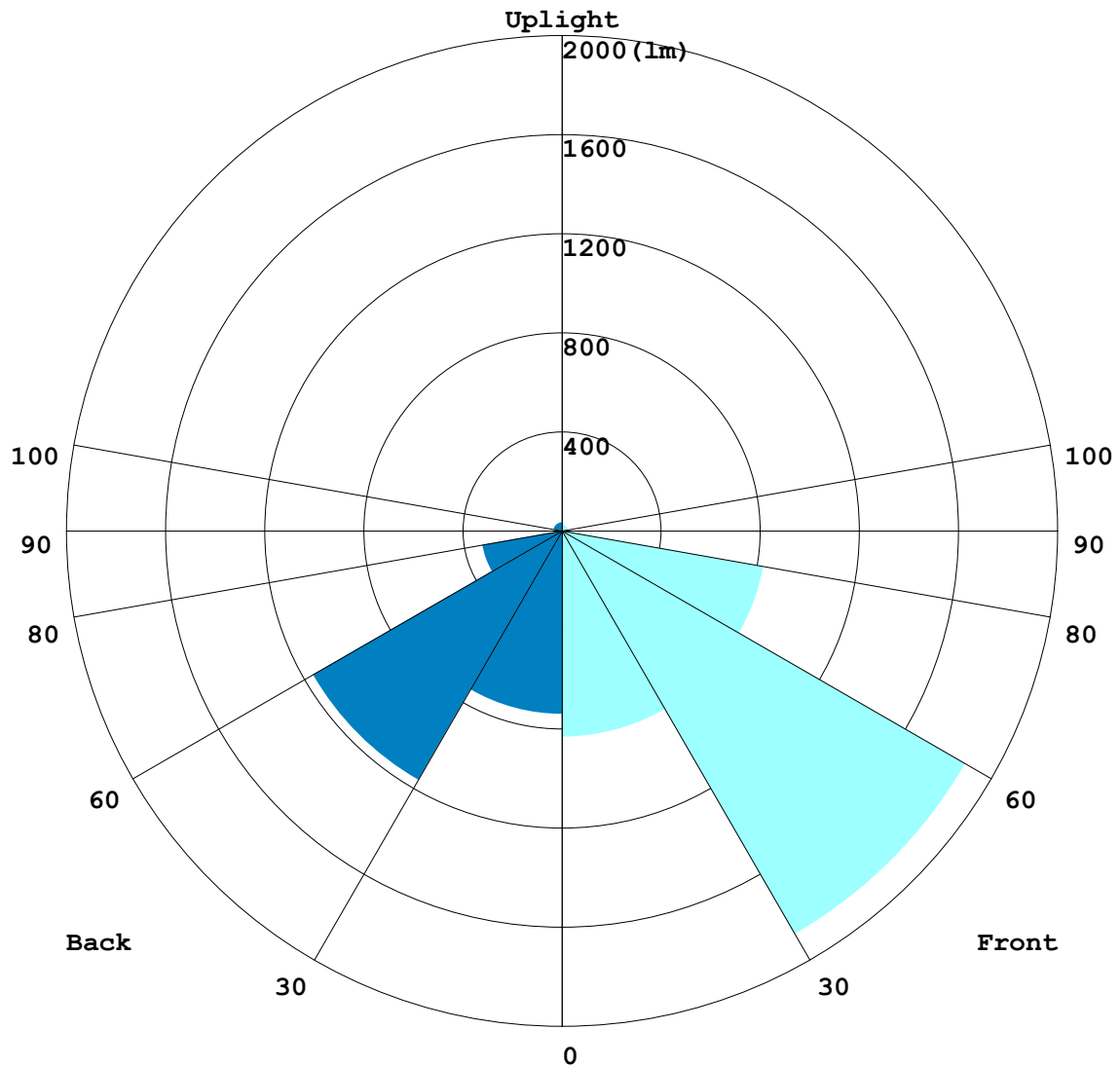
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 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:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 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)	831.04	14.1
FM - Front-Medium(30-60)	1879.7	32.0
FH - Front-High(60-80)	825.21	14.0
FVH - Front-Very High(80-90)	34.434	0.6
Total Forward Light	3596.4	61.2

BL - Back-Low(0-30)	739.49	12.6
BM - Back-Medium(30-60)	1161.6	19.8
BH - Back-High(60-80)	327.09	5.6
BVH - Back-Very High(80-90)	12.519	0.2
Total Back Light	2278.5	38.8

UL - Uplight-Low(90-100)	4.0788	0.1
UH - Uplight-High(100-180)	59.656	1.0
Total Up Light	63.735	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2240.7	37.766	2278.5
Street Side	3570.4	25.969	3596.4

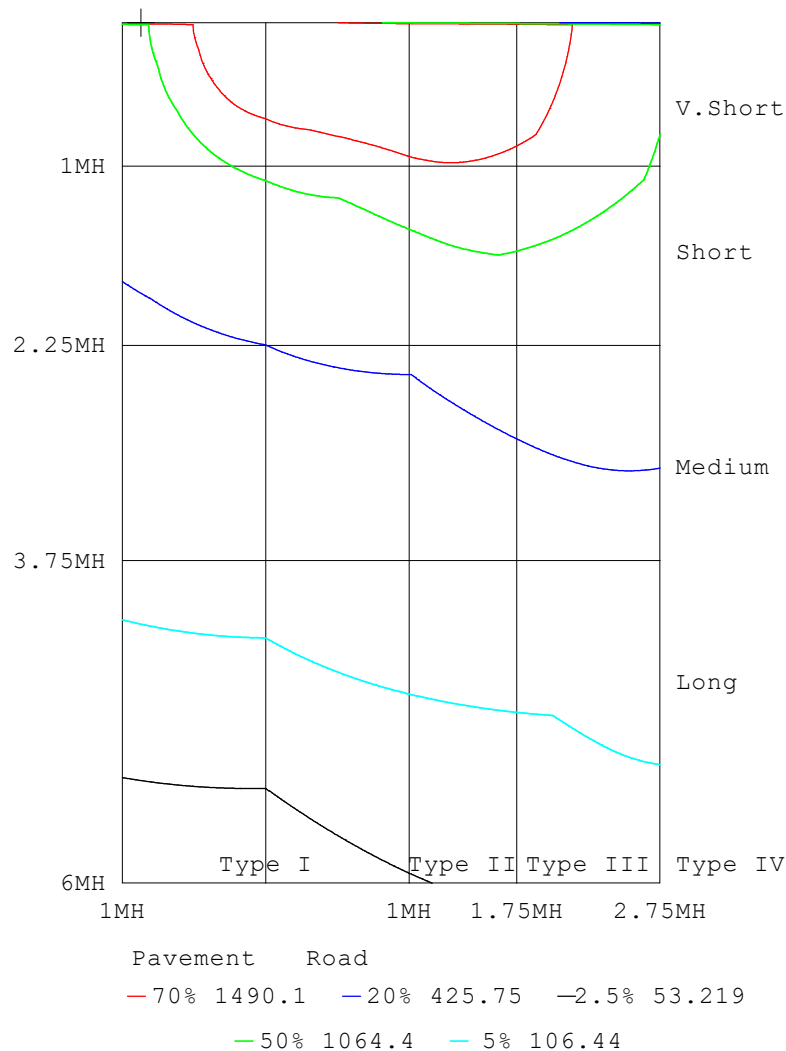
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:275.73V I:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 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:0.1459A P:39.256W PF:0.9756 Freq:60.00Hz Lamp Flux:5874.83x1 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	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038			
5	2013	2032	2047	2060	2068	2069	2063	2053	2042	2026	2010	1997	1990	1987	1993	2002			
10	1968	2004	2035	2065	2081	2082	2069	2047	2022	1989	1962	1935	1922	1917	1928	1947			
15	1903	1957	2008	2058	2084	2084	2058	2021	1985	1936	1892	1848	1826	1819	1841	1870			
20	1818	1891	1965	2042	2082	2077	2032	1975	1926	1860	1798	1734	1703	1698	1731	1775			
25	1715	1807	1908	2022	2081	2066	1992	1912	1849	1764	1682	1593	1554	1546	1598	1659			
30	1596	1709	1844	2003	2089	2056	1943	1831	1752	1651	1543	1433	1382	1380	1444	1527			
35	1461	1592	1769	1993	2108	2055	1885	1733	1637	1518	1384	1261	1204	1203	1274	1377			
40	1315	1464	1692	1987	2125	2057	1823	1620	1505	1369	1216	1089	1039	1033	1101	1217			
45	1156	1319	1610	1969	2122	2047	1759	1491	1363	1210	1046	938	902	887	930	1048			
50	991	1163	1523	1933	2092	2017	1687	1351	1208	1043	883	807	783	759	776	881			
55	819	988	1428	1846	1978	1944	1605	1193	1045	878	736	687	671	641	638	719			
60	638	796	1308	1674	1776	1784	1502	1018	871	716	603	572	531	517	510	559			
65	460	594	1133	1427	1486	1550	1351	827	688	556	476	424	399	375	385	408			
70	296	403	876	1115	1125	1242	1133	627	506	404	343	295	261	243	247	272			
75	152	227	587	610	559	828	843	431	333	266	213	150	110	103	121	149			
80	43.9	88.0	210	220	187	366	464	250	179	143	91.1	40.9	17.2	11.2	24.3	44.6			
85	3.03	3.99	5.73	6.96	8.93	46.5	103	96.6	61.1	39.7	10.5	4.40	4.32	4.36	4.00	3.41			
90	2.73	2.19	1.82	1.68	1.88	2.30	2.78	3.26	4.12	3.30	3.81	4.39	4.74	4.95	4.37	3.39			
95	3.69	2.97	2.50	2.14	1.93	1.83	1.86	2.07	2.40	3.42	4.72	5.92	6.44	6.54	5.69	4.50			
100	4.80	3.89	3.31	2.86	2.60	2.48	2.55	2.82	3.30	4.56	6.07	7.54	8.20	8.16	7.08	5.72			
105	6.03	4.93	4.24	3.69	3.38	3.24	3.36	3.69	4.32	5.81	7.48	9.12	9.93	9.72	8.45	7.03			
110	7.35	6.10	5.29	4.63	4.27	4.12	4.29	4.69	5.46	7.17	8.90	10.6	11.5	11.2	9.88	8.42			
115	8.72	7.34	6.44	5.67	5.25	5.10	5.31	5.78	6.71	8.62	10.4	12.1	13.1	12.7	11.4	9.87			
120	10.1	8.66	7.69	6.84	6.35	6.19	6.44	6.97	8.07	10.1	11.9	13.7	14.7	14.3	12.9	11.3			
125	11.5	9.98	8.98	8.09	7.58	7.38	7.66	8.21	9.41	11.6	13.5	15.2	16.1	15.7	14.2	12.6			
130	12.8	11.3	10.3	9.37	8.84	8.61	8.89	9.45	10.8	13.0	14.9	16.3	17.2	16.7	15.3	13.6			
135	13.9	12.5	11.5	10.6	10.1	9.83	10.1	10.6	12.1	14.3	16.1	17.3	18.1	17.6	16.3	14.7			
140	15.0	13.6	12.7	11.9	11.3	11.1	11.3	11.8	13.3	15.4	17.3	18.3	18.8	18.3	17.2	15.7			
145	15.9	14.7	13.9	13.1	12.5	12.3	12.4	12.9	14.5	16.3	18.1	19.0	19.4	18.8	17.9	16.5			
150	16.7	15.8	15.0	14.3	13.7	13.4	13.5	14.0	15.5	17.2	18.8	19.6	19.9	19.3	18.5	17.3			
155	17.6	16.8	16.1	15.4	14.9	14.6	14.6	15.1	16.6	17.9	19.2	19.9	20.2	19.6	19.0	17.9			
160	18.4	17.7	17.1	16.5	16.0	15.7	15.7	16.2	17.4	18.5	19.5	20.1	20.2	19.8	19.2	18.3			
165	19.2	18.7	18.1	17.6	17.0	16.8	16.8	17.2	18.3	19.0	19.8	20.1	20.2	19.8	19.4	18.7			
170	19.9	19.6	19.0	18.6	18.0	17.9	17.9	18.2	19.2	19.6	20.1	20.1	20.2	19.8	19.5	19.1			
175	20.3	20.1	19.7	19.4	18.9	18.8	18.7	18.8	19.9	20.1	20.3	20.1	20.0	19.7	19.5	19.3			
180	20.4	20.2	20.2	20.1	19.6	19.6	19.3	19.3	20.3	20.3	20.3	20.0	19.8	19.5	19.4	19.2			

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: