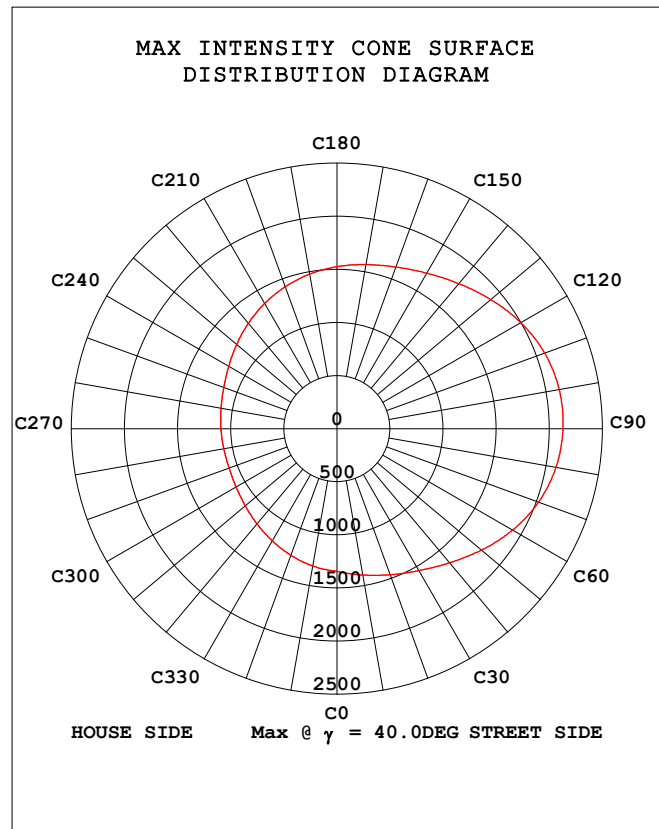
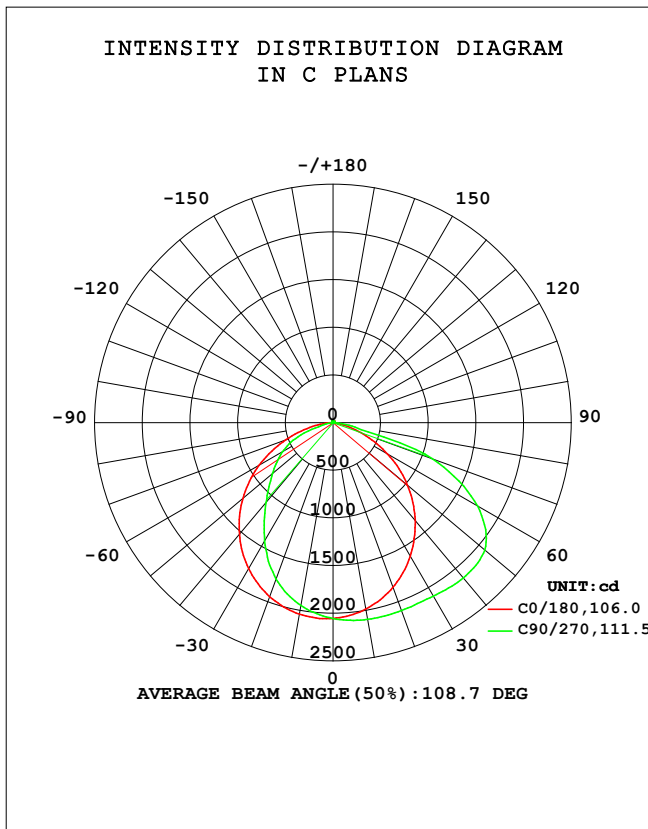


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.21 lm/W			
MODEL		I _{max} (cd)	2128	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	59.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5970	η house_up (%)	0.6
NOMINAL FLUX (lm)	5970.23	MAXIMUM @ (C, γ)	90, 40.0	η house_down (%)	39.3
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

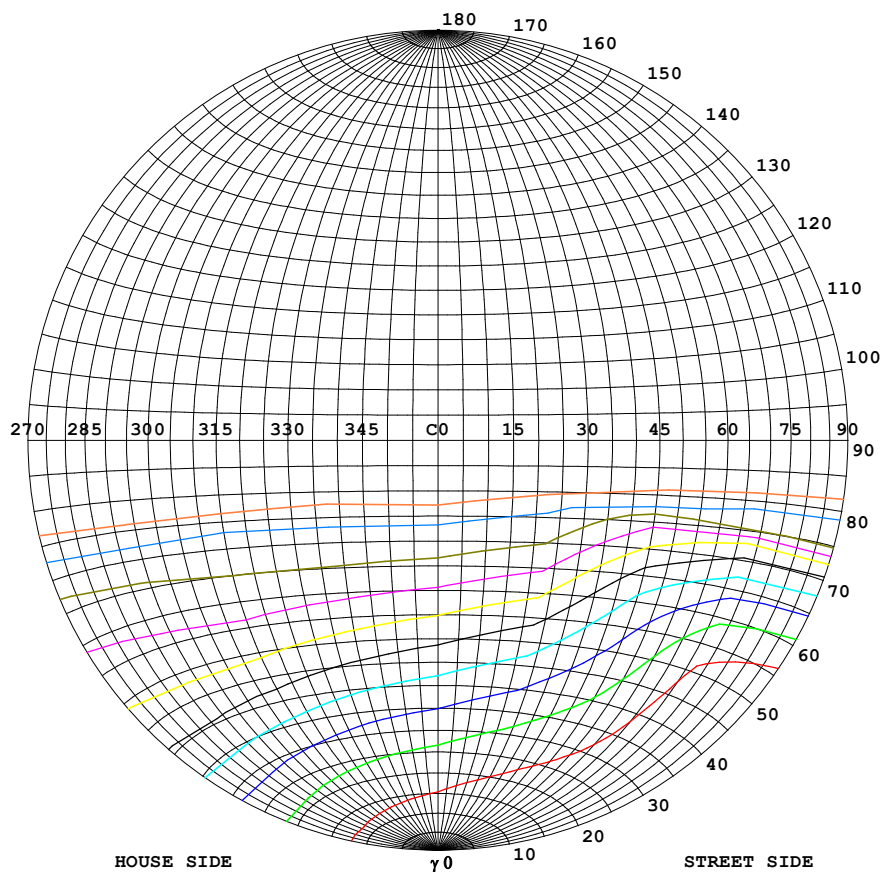


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

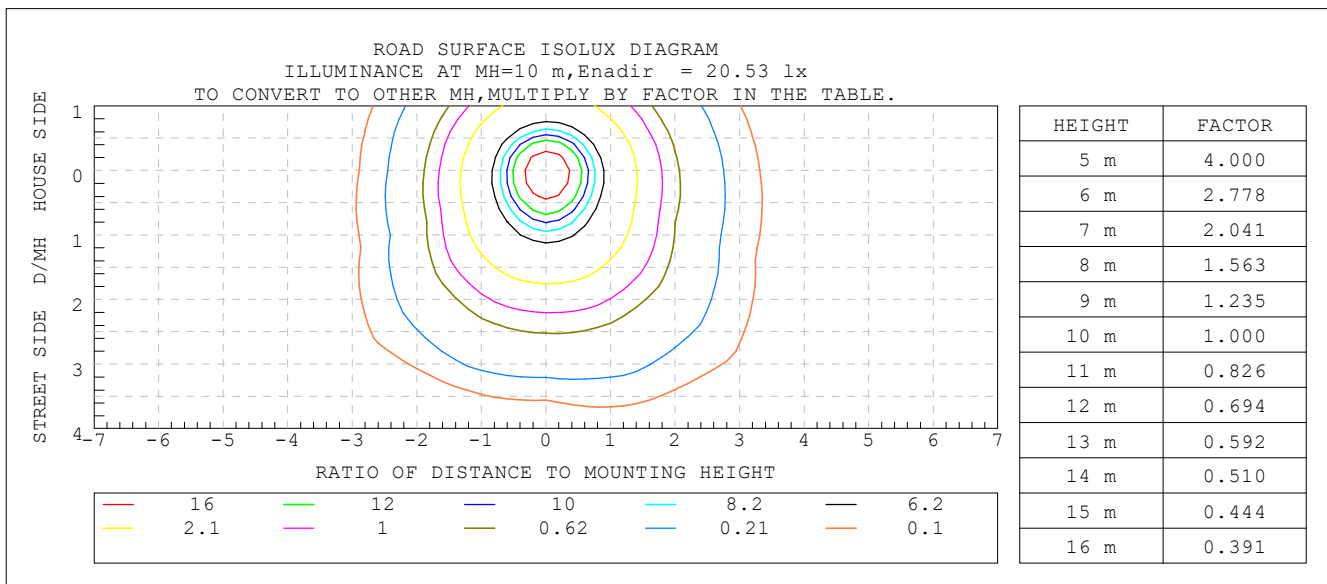
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:63.00cd/klm
Max.At90:0.8093cd/klm
Max.80-90:63.00cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2128
90%	1915
80%	1702
70%	1489
60%	1277
50%	1064
40%	851
30%	638
20%	426
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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

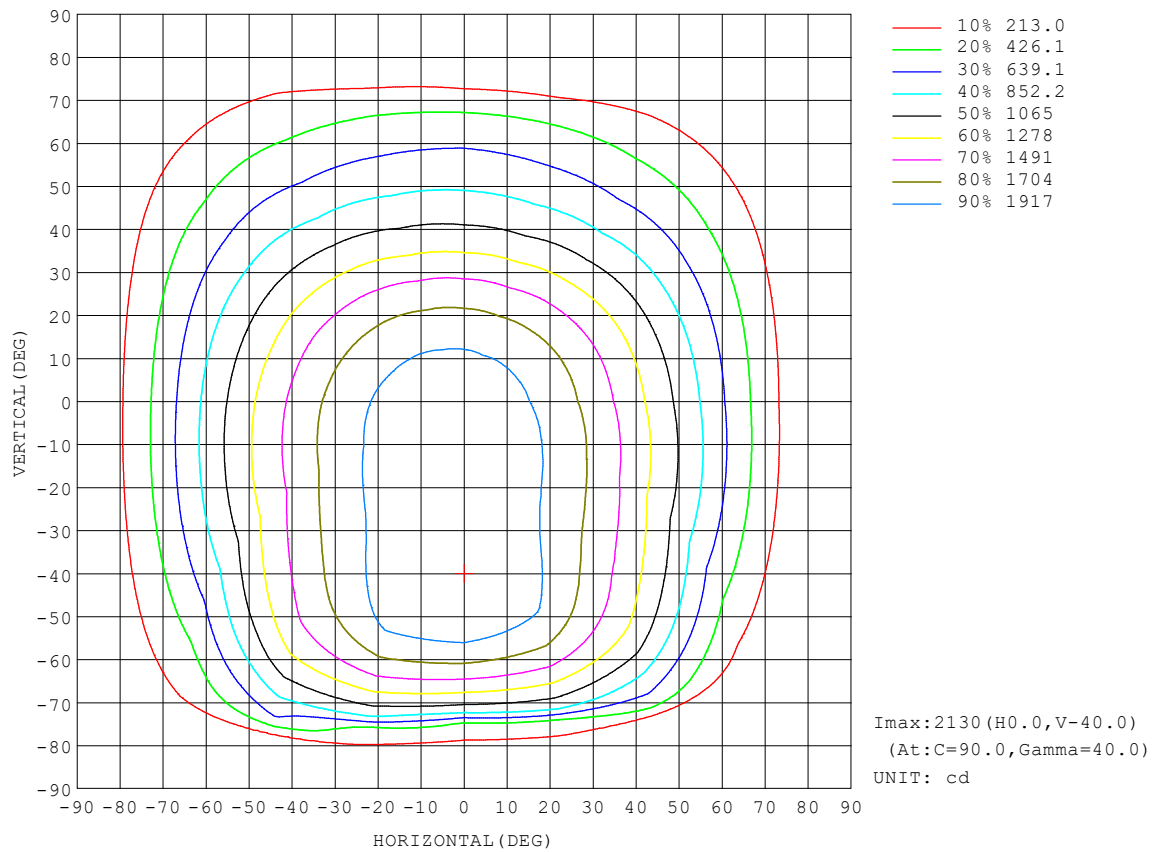
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1985	2053	2095	2082	2038	1984	1948	1952	0- 10	194.3	194.3	3.26,3.26
20	1839	1983	2097	2046	1943	1832	1747	1767	10- 20	556.2	750.5	12.6,12.6
30	1620	1863	2102	1958	1771	1589	1437	1491	20- 30	840.9	1591	26.7,26.7
40	1342	1711	2128	1837	1527	1266	1094	1149	30- 40	1015	2607	43.7,43.7
50	1020	1537	2078	1697	1234	929.4	829.1	820.0	40- 50	1074	3680	61.6,61.6
60	661.7	1316	1752	1503	897.3	641.3	612.7	546.5	50- 60	1013	4693	78.6,78.6
70	312.1	872.6	1104	1123	526.1	389.4	323.8	298.4	60- 70	795.1	5489	91.9,91.9
80	47.40	124.8	172.7	376.1	193.0	111.6	27.42	39.04	70- 80	375.2	5864	98.2,98.2
90	2.804	1.996	1.963	2.429	4.001	3.864	4.595	4.322	80- 90	41.47	5905	98.9,98.9
100	4.909	3.566	2.896	2.766	3.391	6.030	8.075	7.076	90-100	4.154	5909	99,99
110	7.503	5.609	4.636	4.558	5.594	8.891	11.50	9.897	100-110	6.387	5916	99.1,99.1
120	10.32	8.071	6.790	6.765	8.233	12.01	14.70	12.98	110-120	8.527	5924	99.2,99.2
130	12.98	10.65	9.303	9.251	10.97	15.01	17.38	15.52	120-130	10.14	5934	99.4,99.4
140	15.16	13.08	11.74	11.63	13.55	17.44	19.04	17.41	130-140	10.61	5945	99.6,99.6
150	16.95	15.37	14.14	13.89	15.79	19.00	20.17	18.73	140-150	9.905	5955	99.7,99.7
160	18.62	17.52	16.38	16.02	17.67	19.76	20.57	19.47	150-160	8.076	5963	99.9,99.9
170	20.13	19.47	18.45	18.22	19.39	20.35	20.53	19.82	160-170	5.325	5968	100,100
180	20.65	20.62	20.03	19.58	20.49	20.57	20.25	19.72	170-180	1.889	5970	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

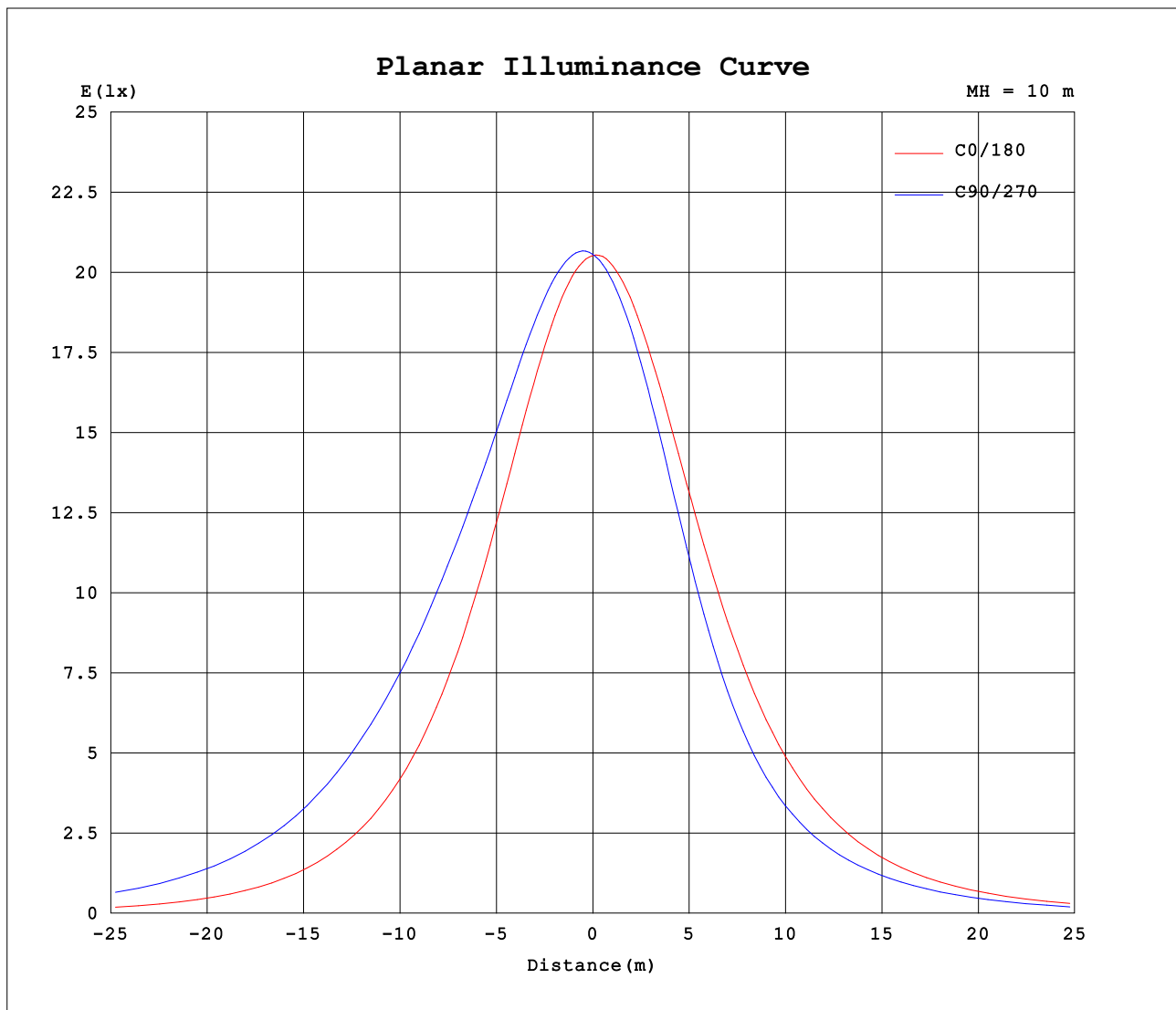
Test:U:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



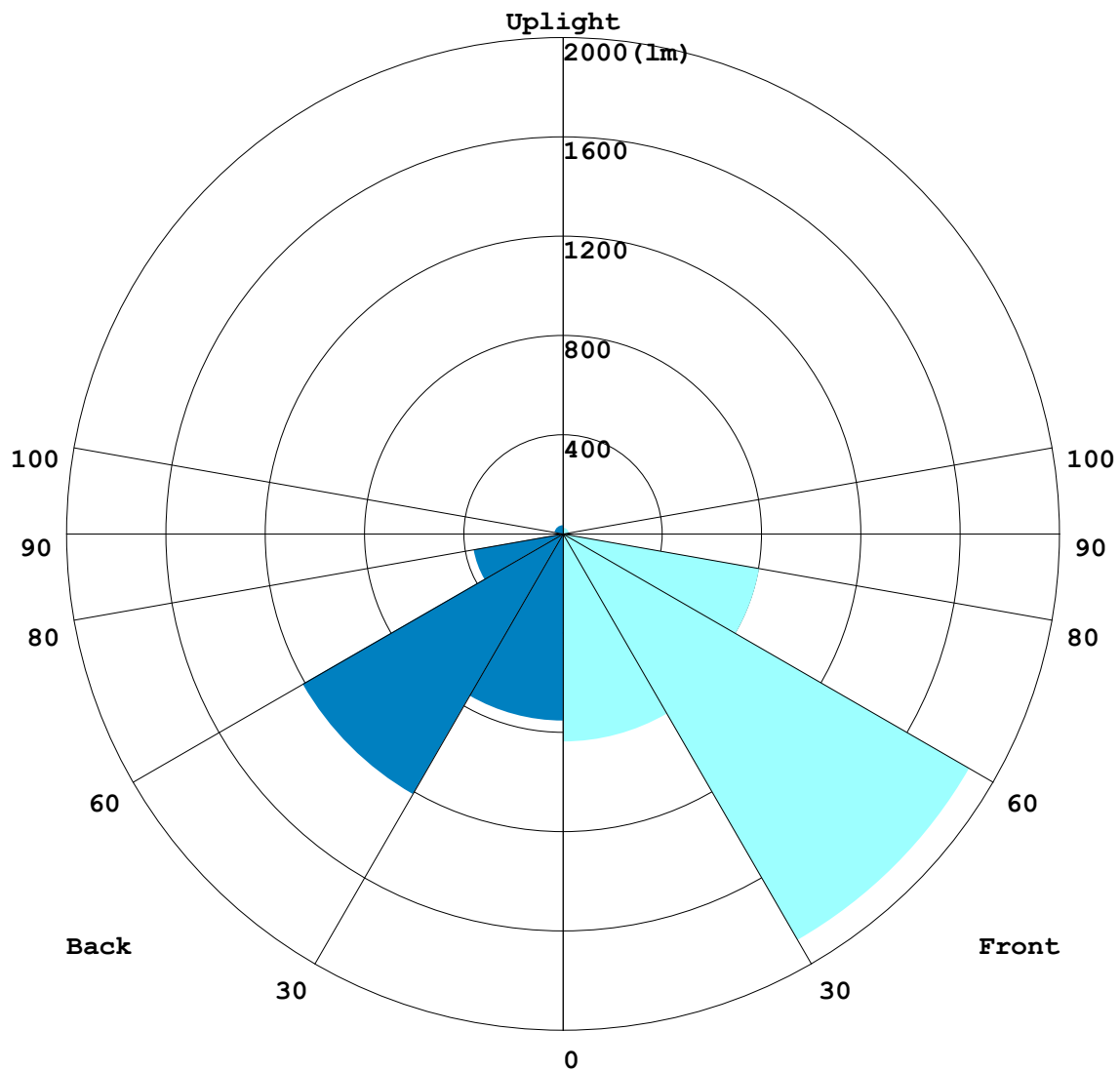
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 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)	837.96	14.0
FM - Front-Medium(30-60)	1891.2	31.7
FH - Front-High(60-80)	804.01	13.5
FVH - Front-Very High(80-90)	26.77	0.4
Total Forward Light	3586.8	60.1

BL - Back-Low(0-30)	753.48	12.6
BM - Back-Medium(30-60)	1210.8	20.3
BH - Back-High(60-80)	366.31	6.1
BVH - Back-Very High(80-90)	14.701	0.2
Total Back Light	2383.4	39.9

UL - Uplight-Low(90-100)	4.1537	0.1
UH - Uplight-High(100-180)	60.861	1.0
Total Up Light	65.014	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2345.3	38.117	2383.4
Street Side	3559.9	26.897	3586.8

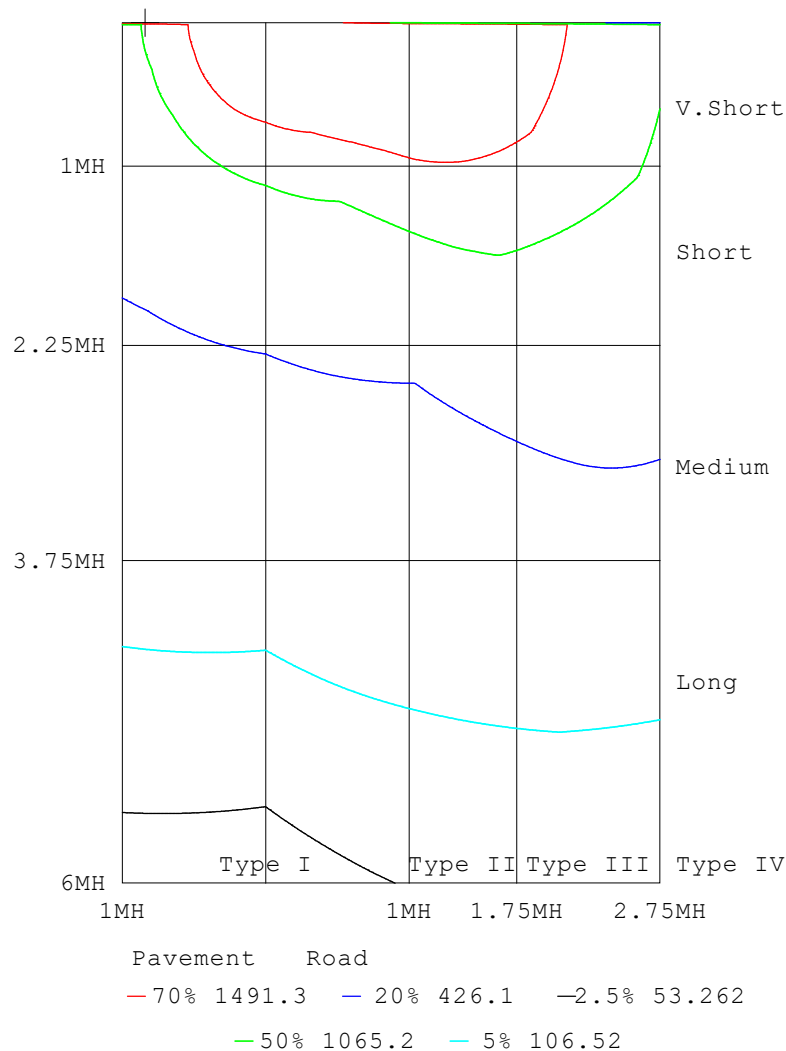
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 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:275.76V I:0.1505A P:40.557W PF:0.9771 Freq:60.00Hz Lamp Flux:5970.23x1 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	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054	2054			
5	2031	2048	2062	2074	2082	2083	2077	2068	2057	2042	2029	2017	2011	2008	2012	2021			
10	1985	2021	2053	2079	2095	2096	2082	2061	2038	2011	1984	1959	1948	1942	1952	1967			
15	1922	1975	2026	2072	2099	2099	2072	2035	2002	1957	1920	1880	1861	1855	1871	1896			
20	1839	1908	1983	2057	2097	2093	2046	1990	1943	1884	1832	1777	1747	1738	1767	1802			
25	1738	1824	1929	2037	2095	2081	2007	1926	1865	1793	1722	1641	1604	1597	1640	1693			
30	1620	1728	1863	2018	2102	2071	1958	1847	1771	1684	1589	1485	1437	1432	1491	1562			
35	1486	1611	1789	2007	2118	2067	1900	1748	1658	1554	1434	1313	1260	1258	1324	1419			
40	1342	1482	1711	1996	2128	2065	1837	1636	1527	1410	1266	1144	1094	1085	1149	1257			
45	1185	1339	1629	1972	2118	2049	1772	1507	1387	1252	1096	987	950	936	979	1088			
50	1020	1184	1537	1929	2078	2012	1697	1368	1234	1086	929	852	829	803	820	922			
55	846	1009	1440	1832	1955	1928	1611	1210	1071	917	778	732	720	686	678	755			
60	662	815	1316	1656	1752	1763	1503	1036	897	751	641	619	613	575	546	590			
65	481	613	1133	1406	1461	1526	1346	845	711	586	513	502	489	454	424	435			
70	312	420	873	1093	1104	1219	1123	644	526	428	389	367	324	302	298	295			
75	162	239	581	453	383	759	827	447	350	285	261	181	136	125	151	167			
80	47.4	93.1	125	168	173	232	376	262	193	157	112	65.1	27.4	16.5	39.0	55.7			
85	3.08	3.41	4.20	4.61	5.23	8.35	80.3	97.5	67.1	48.0	15.5	4.79	4.54	4.57	4.21	3.64			
90	2.80	2.31	2.00	1.85	1.96	2.16	2.43	2.85	4.00	3.48	3.86	4.28	4.59	4.83	4.32	3.42			
95	3.78	3.12	2.72	2.39	2.18	2.06	2.04	2.20	2.49	3.44	4.67	5.82	6.31	6.42	5.66	4.55			
100	4.91	4.06	3.57	3.15	2.90	2.75	2.77	2.98	3.39	4.60	6.03	7.46	8.08	8.09	7.08	5.78			
105	6.16	5.13	4.53	4.03	3.72	3.56	3.61	3.88	4.44	5.87	7.46	9.10	9.89	9.69	8.48	7.11			
110	7.50	6.31	5.61	4.99	4.64	4.46	4.56	4.90	5.59	7.25	8.89	10.6	11.5	11.2	9.90	8.52			
115	8.90	7.58	6.79	6.07	5.66	5.47	5.61	6.03	6.88	8.72	10.4	12.2	13.1	12.7	11.4	9.99			
120	10.3	8.91	8.07	7.26	6.79	6.58	6.77	7.23	8.23	10.2	12.0	13.8	14.7	14.3	13.0	11.5			
125	11.7	10.2	9.38	8.55	8.04	7.81	8.01	8.49	9.62	11.8	13.6	15.3	16.2	15.8	14.4	12.8			
130	13.0	11.5	10.7	9.83	9.30	9.05	9.25	9.75	11.0	13.2	15.0	16.5	17.4	16.9	15.5	13.8			
135	14.1	12.7	11.9	11.1	10.5	10.3	10.4	10.9	12.3	14.5	16.3	17.6	18.3	17.8	16.5	14.9			
140	15.2	13.9	13.1	12.3	11.7	11.5	11.6	12.1	13.5	15.6	17.4	18.5	19.0	18.5	17.4	15.9			
145	16.1	15.0	14.3	13.5	13.0	12.7	12.8	13.2	14.7	16.6	18.3	19.3	19.7	19.1	18.1	16.8			
150	16.9	16.0	15.4	14.7	14.1	13.9	13.9	14.3	15.8	17.4	19.0	19.9	20.2	19.6	18.7	17.6			
155	17.8	17.0	16.5	15.8	15.3	15.0	14.9	15.4	16.8	18.1	19.5	20.3	20.5	19.9	19.2	18.2			
160	18.6	18.0	17.5	16.9	16.4	16.1	16.0	16.5	17.7	18.7	19.8	20.4	20.6	20.0	19.5	18.6			
165	19.4	18.9	18.5	18.0	17.4	17.2	17.1	17.5	18.5	19.3	20.0	20.4	20.5	20.1	19.6	19.0			
170	20.1	19.8	19.5	19.0	18.4	18.3	18.2	18.5	19.4	19.9	20.3	20.5	20.5	20.1	19.8	19.4			
175	20.6	20.3	20.1	19.8	19.3	19.2	19.0	19.1	20.1	20.4	20.5	20.5	20.4	20.0	19.8	19.6			
180	20.7	20.5	20.6	20.5	20.0	20.0	19.6	19.6	20.5	20.6	20.6	20.4	20.2	19.8	19.7	19.5			

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: