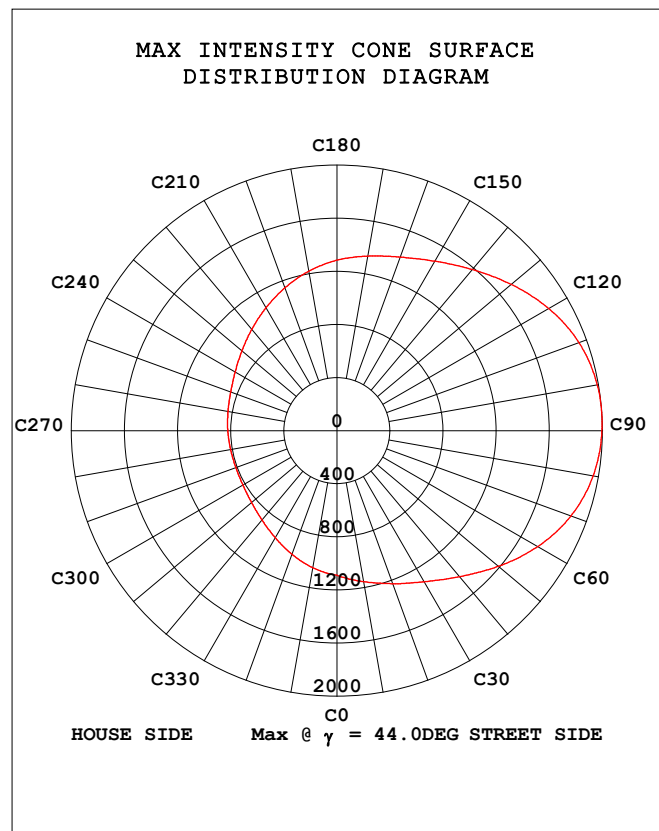
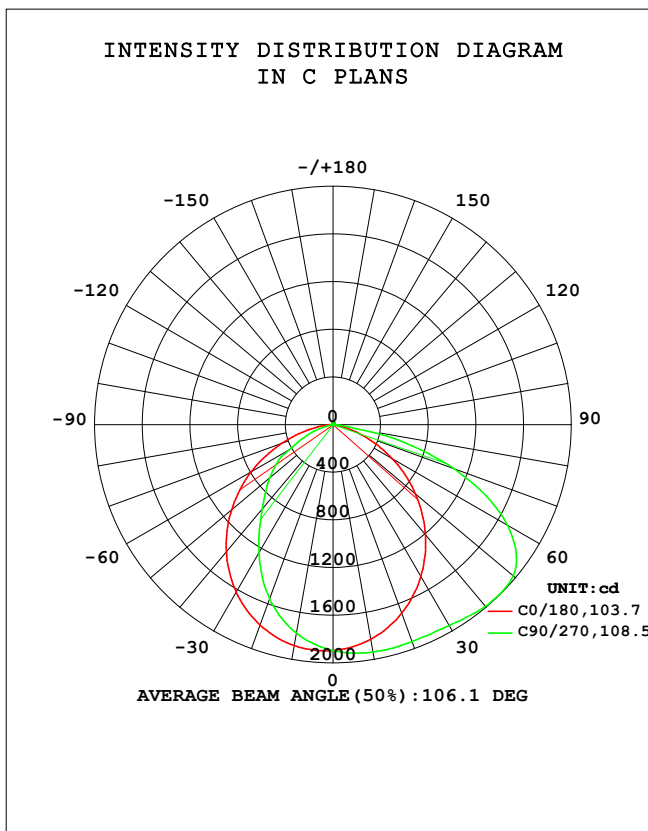


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.75V I:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.45 lm/W			
MODEL		Imax (cd)	1995	η street_up (%)	0.4
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	61.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5421	η house_up (%)	0.7
NOMINAL FLUX (lm)	5420.67	MAXIMUM @ (C, γ)	90, 44.0	η house_down (%)	37.0
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

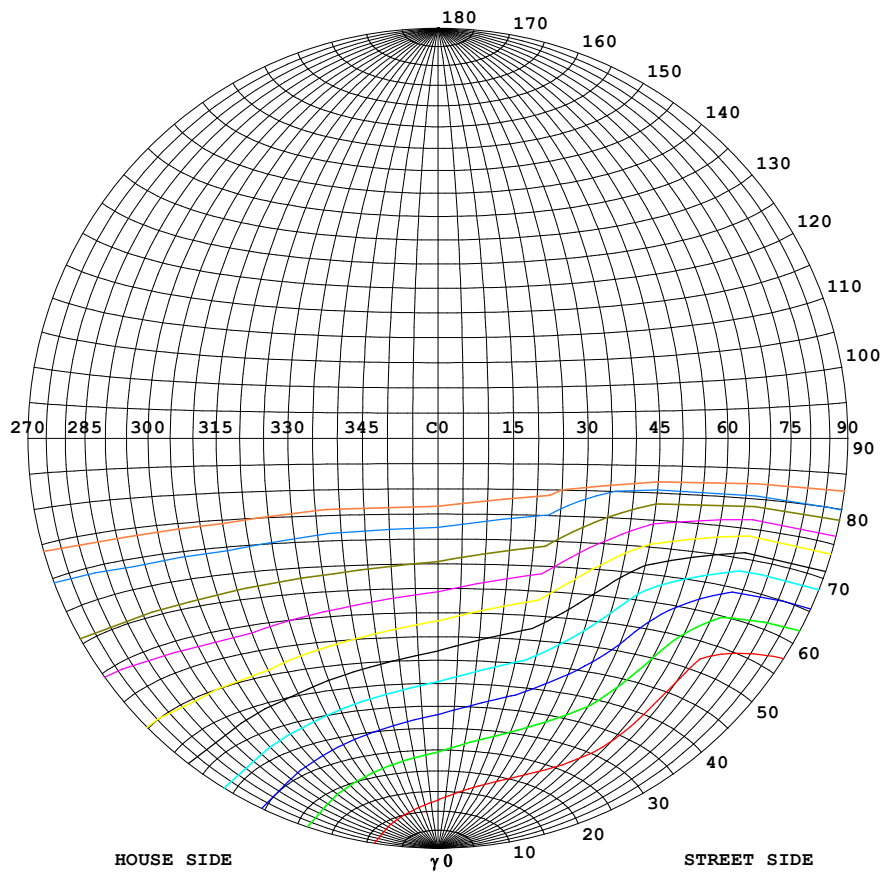


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

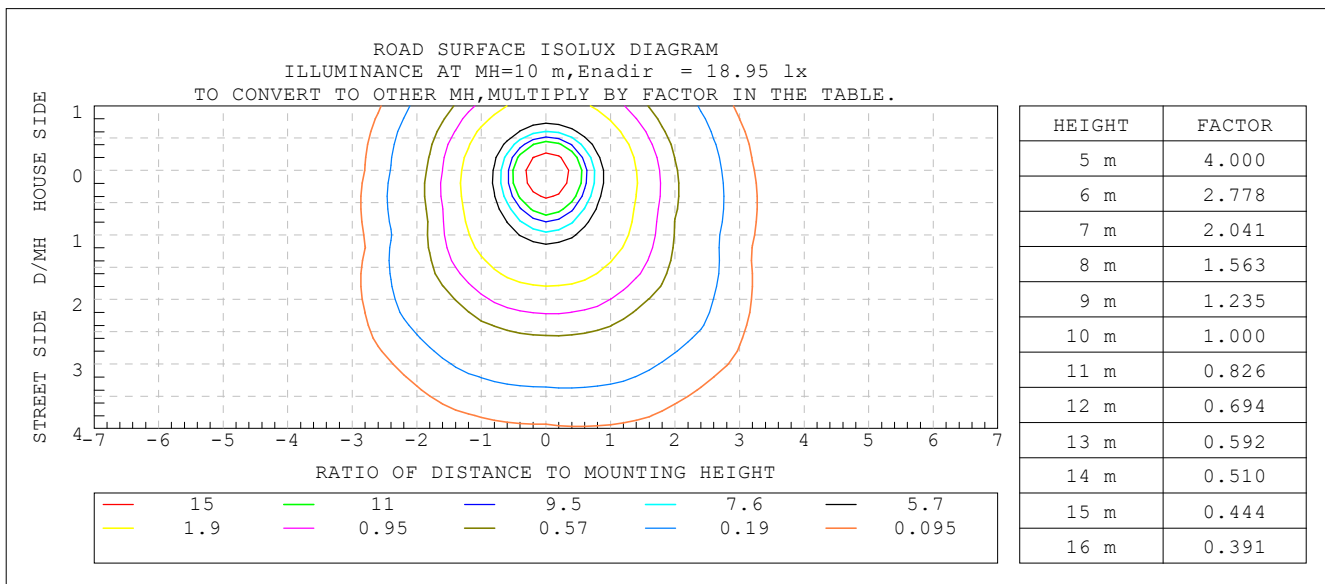
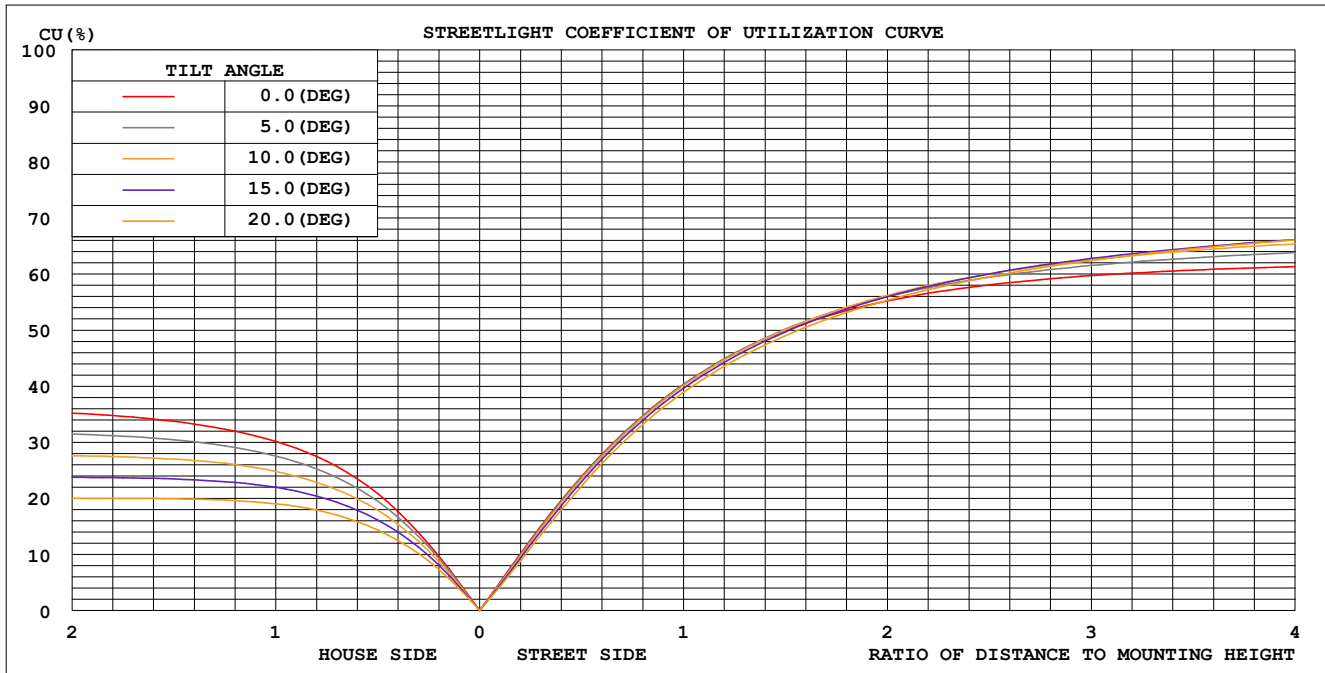
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:94.58cd/klm
Max.At90:0.8923cd/klm
Max.80-90:94.58cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1995
90%	1795
80%	1596
70%	1396
60%	1197
50%	997
40%	798
30%	598
20%	399
10%	199
5%	100

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:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

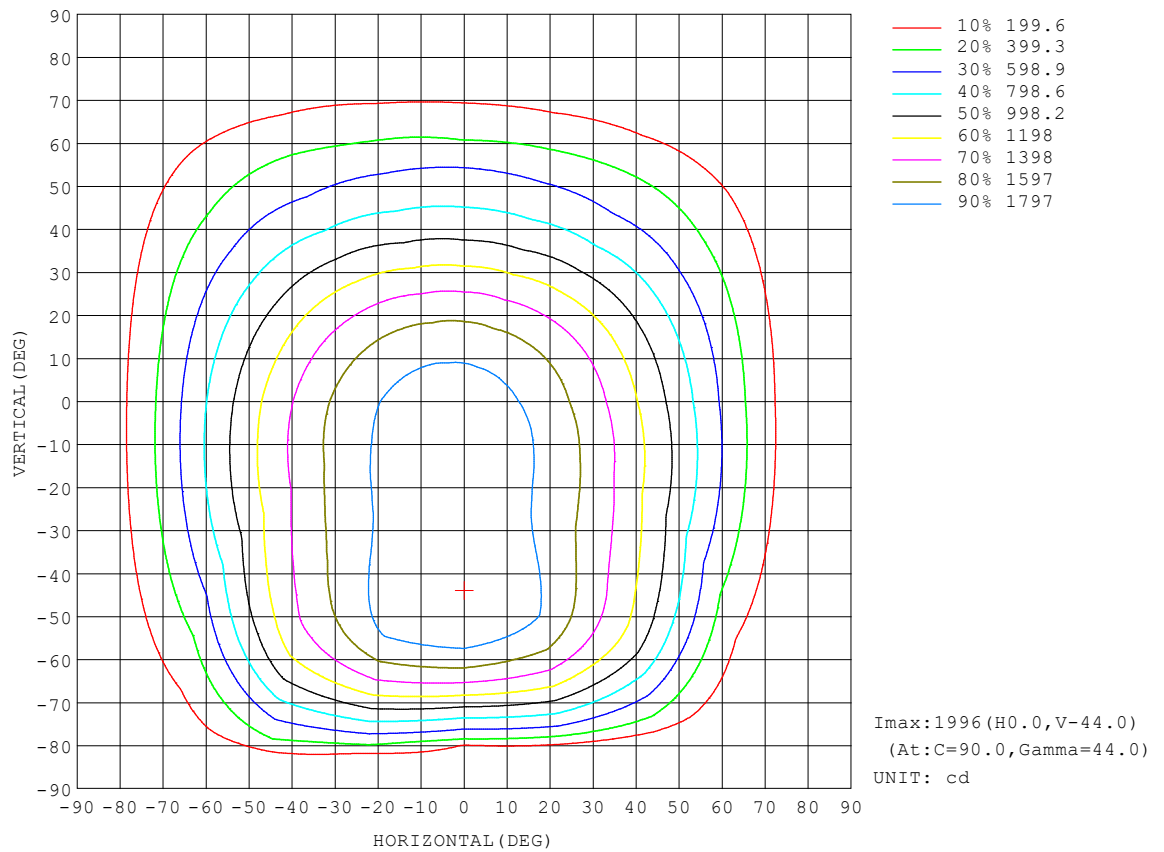
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1828	1894	1938	1925	1883	1819	1777	1784	0- 10	179.0	179.0	3.3,3.3
20	1684	1827	1938	1891	1791	1655	1556	1587	10- 20	509.7	688.7	12.7,12.7
30	1473	1712	1947	1807	1624	1404	1245	1309	20- 30	764.4	1453	26.8,26.8
40	1208	1569	1990	1696	1392	1094	924.0	986.7	30- 40	916.4	2370	43.7,43.7
50	902.7	1416	1974	1573	1110	784.1	690.7	685.6	40- 50	966.9	3336	61.5,61.5
60	575.3	1223	1690	1407	794.7	530.9	422.6	442.3	50- 60	912.7	4249	78.4,78.4
70	262.7	825.4	1074	1069	454.5	278.6	186.2	182.7	60- 70	702.3	4951	91.3,91.3
80	37.90	279.1	188.9	512.7	157.1	65.64	6.751	9.769	70- 80	361.1	5312	98,98
90	2.486	1.523	1.743	2.962	3.965	3.446	4.570	4.275	80- 90	49.23	5362	98.9,98.9
100	4.402	2.838	2.161	2.277	3.016	5.625	7.770	6.831	90-100	3.782	5365	99,99
110	6.765	4.608	3.657	3.895	5.034	8.203	10.84	9.488	100-110	5.764	5371	99.1,99.1
120	9.387	6.774	5.588	5.925	7.468	11.02	13.71	12.34	110-120	7.717	5379	99.2,99.2
130	11.85	9.168	7.868	8.263	10.01	13.65	15.94	14.59	120-130	9.171	5388	99.4,99.4
140	13.89	11.42	10.21	10.55	12.46	15.78	17.37	16.31	130-140	9.626	5398	99.6,99.6
150	15.55	13.55	12.49	12.78	14.56	17.16	18.30	17.53	140-150	9.004	5407	99.7,99.7
160	17.08	15.51	14.66	14.86	16.35	17.81	18.63	18.20	150-160	7.366	5414	99.9,99.9
170	18.46	17.28	16.58	16.97	17.98	18.31	18.52	18.49	160-170	4.861	5419	100,100
180	18.93	18.35	18.14	18.37	19.09	18.48	18.16	18.27	170-180	1.725	5421	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

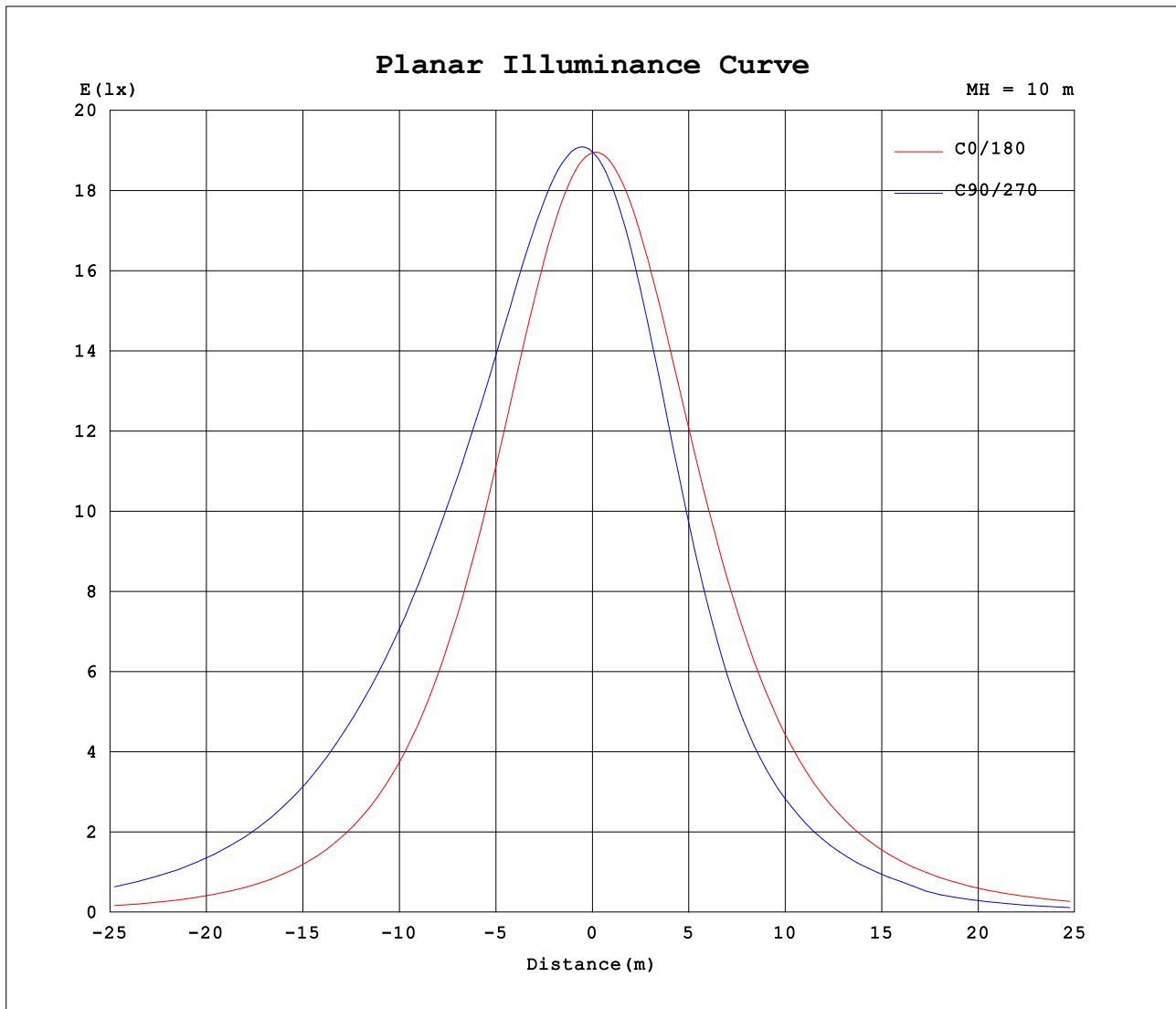
Test:U:275.75V I:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



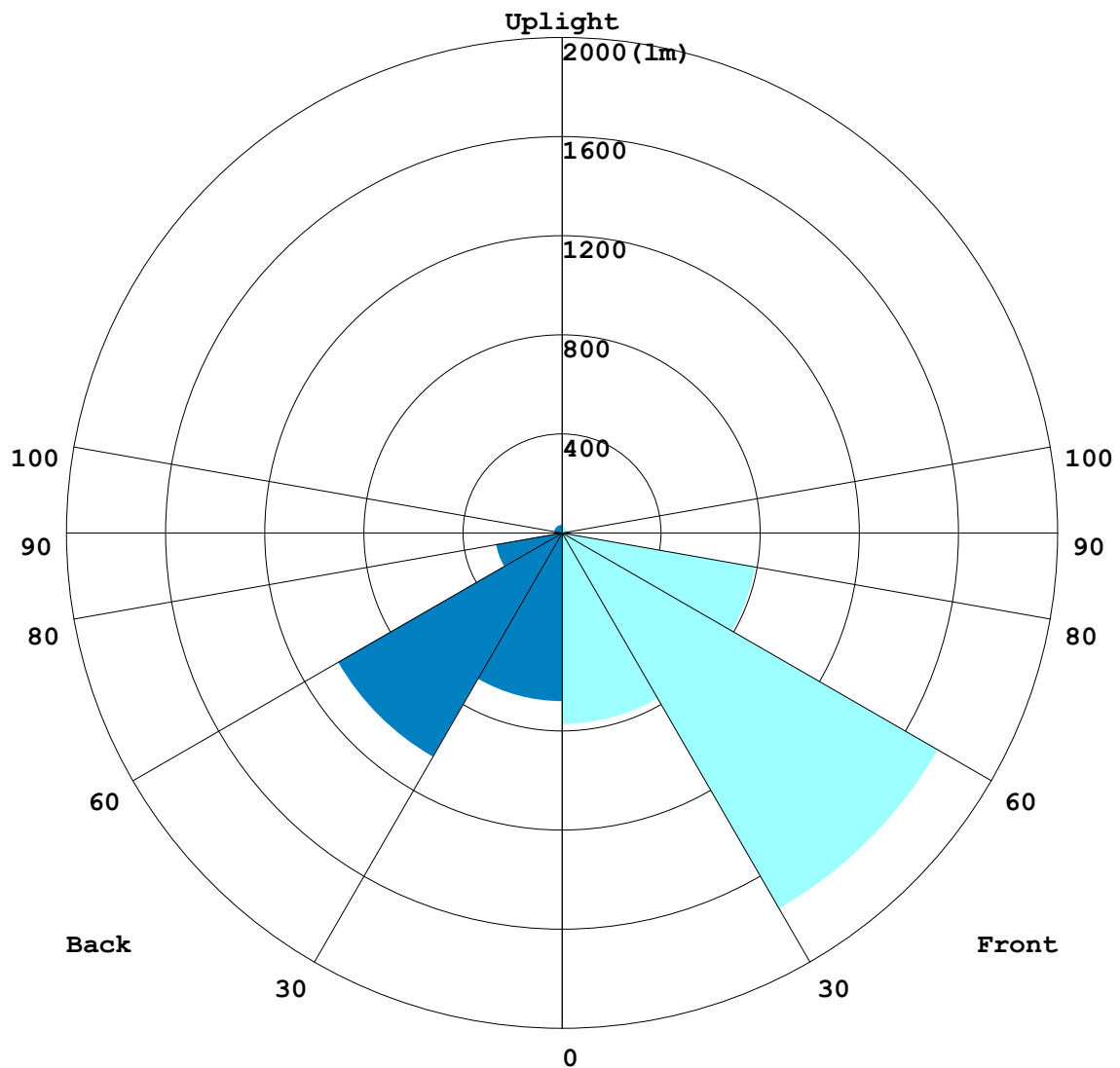
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 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:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 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)	772.73	14.3
FM - Front-Medium(30-60)	1752.2	32.3
FH - Front-High(60-80)	793.04	14.6
FVH - Front-Very High(80-90)	39.484	0.7
Total Forward Light	3381.1	62.4

BL - Back-Low(0-30)	680.37	12.6
BM - Back-Medium(30-60)	1043.7	19.3
BH - Back-High(60-80)	270.32	5.0
BVH - Back-Very High(80-90)	9.7457	0.2
Total Back Light	2039.5	37.6

UL - Uplight-Low(90-100)	3.7824	0.1
UH - Uplight-High(100-180)	55.235	1.0
Total Up Light	59.018	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2004.2	35.357	2039.5
Street Side	3357.5	23.661	3381.1

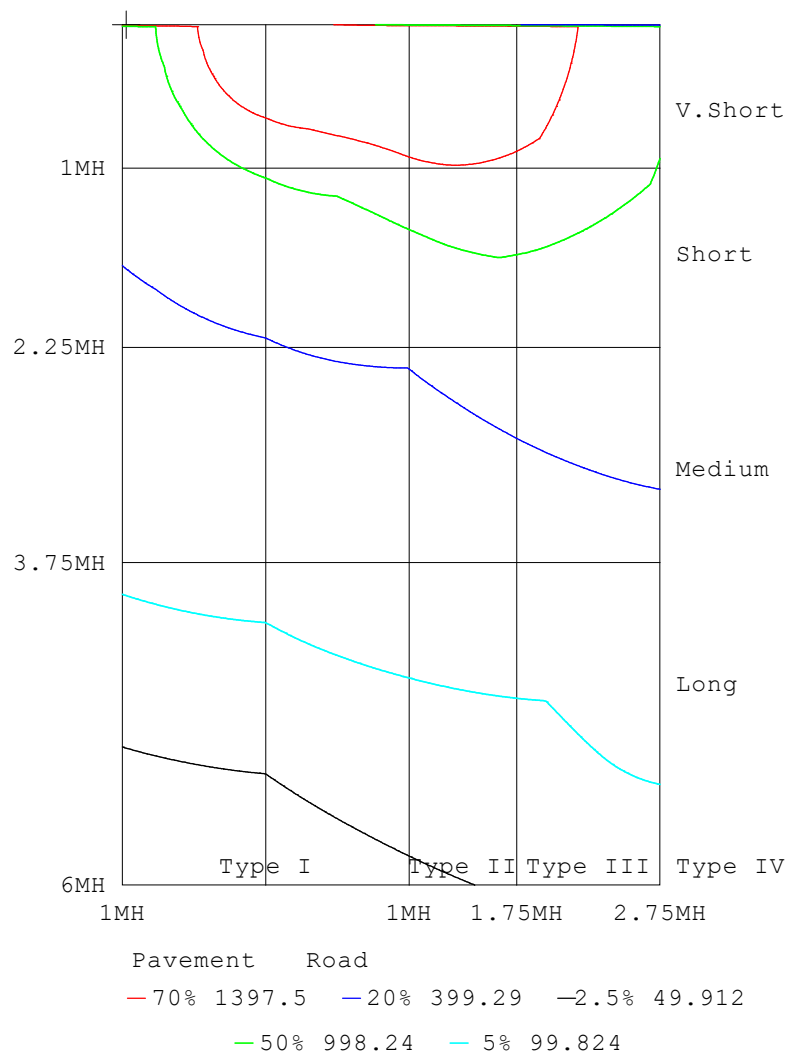
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:

ROAD ISOCANDELA REPORT

Test:U:275.75V I:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 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:0.1497A P:40.316W PF:0.9769 Freq:60.00Hz Lamp Flux:5420.67x1 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	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896	1896			
5	1872	1890	1904	1917	1925	1925	1920	1910	1899	1882	1867	1854	1847	1844	1850	1861			
10	1828	1864	1894	1922	1938	1937	1925	1906	1883	1848	1819	1791	1777	1772	1784	1805			
15	1765	1819	1868	1915	1940	1940	1916	1882	1846	1796	1749	1702	1680	1672	1697	1732			
20	1684	1756	1827	1899	1938	1932	1891	1839	1791	1720	1655	1587	1556	1550	1587	1638			
25	1586	1677	1774	1880	1938	1923	1853	1779	1716	1629	1539	1449	1410	1405	1457	1525			
30	1473	1584	1712	1863	1947	1914	1807	1703	1624	1517	1404	1295	1245	1243	1309	1398			
35	1346	1474	1643	1857	1969	1917	1753	1610	1516	1390	1253	1132	1077	1077	1150	1256			
40	1208	1353	1569	1855	1990	1921	1696	1504	1392	1248	1094	969	924	920	987	1104			
45	1058	1218	1494	1844	1995	1917	1637	1384	1257	1096	935	834	801	787	826	945			
50	903	1071	1416	1816	1974	1896	1573	1252	1110	941	784	714	691	671	686	790			
55	742	908	1331	1744	1877	1836	1499	1105	956	787	652	602	584	558	561	641			
60	575	729	1223	1585	1690	1692	1407	938	795	639	531	492	423	430	442	495			
65	412	540	1064	1356	1419	1473	1271	760	624	493	412	325	291	279	325	358			
70	263	361	825	1064	1074	1186	1069	573	454	355	279	211	186	174	183	233			
75	133	201	559	713	687	839	800	389	296	230	151	113	78.1	72.1	88.1	123			
80	37.9	77.6	279	256	189	461	513	224	157	119	65.6	16.6	6.75	5.59	9.77	32.6			
85	2.80	4.24	6.91	8.70	11.9	78.3	104	89.8	51.9	29.1	5.21	3.73	3.80	3.99	3.66	3.11			
90	2.49	1.91	1.52	1.42	1.74	2.27	2.96	3.50	3.96	2.90	3.45	4.18	4.57	4.84	4.27	3.31			
95	3.38	2.62	2.12	1.77	1.57	1.53	1.65	1.91	2.19	3.13	4.37	5.59	6.13	6.34	5.54	4.38			
100	4.40	3.45	2.84	2.40	2.16	2.11	2.28	2.61	3.02	4.17	5.62	7.07	7.77	7.86	6.83	5.55			
105	5.54	4.40	3.67	3.13	2.86	2.80	3.03	3.43	3.97	5.32	6.88	8.49	9.35	9.32	8.15	6.81			
110	6.77	5.47	4.61	3.98	3.66	3.59	3.89	4.38	5.03	6.57	8.20	9.88	10.8	10.7	9.49	8.15			
115	8.06	6.60	5.65	4.92	4.56	4.50	4.85	5.41	6.22	7.89	9.58	11.3	12.3	12.2	10.9	9.54			
120	9.39	7.82	6.77	5.98	5.59	5.51	5.92	6.54	7.47	9.27	11.0	12.7	13.7	13.6	12.3	10.9			
125	10.7	9.05	7.97	7.12	6.70	6.61	7.09	7.73	8.75	10.6	12.4	14.0	15.0	14.8	13.6	12.1			
130	11.8	10.2	9.17	8.30	7.87	7.77	8.26	8.92	10.0	11.9	13.6	15.1	15.9	15.8	14.6	13.1			
135	12.9	11.4	10.3	9.48	9.05	8.93	9.40	10.1	11.3	13.1	14.8	16.0	16.7	16.6	15.5	14.1			
140	13.9	12.5	11.4	10.6	10.2	10.1	10.6	11.2	12.5	14.1	15.8	16.8	17.4	17.3	16.3	15.1			
145	14.8	13.5	12.5	11.8	11.4	11.2	11.7	12.3	13.5	14.9	16.6	17.4	17.9	17.7	16.9	15.9			
150	15.5	14.5	13.5	12.9	12.5	12.4	12.8	13.3	14.6	15.7	17.2	18.0	18.3	18.2	17.5	16.7			
155	16.3	15.4	14.6	14.0	13.6	13.5	13.8	14.4	15.5	16.4	17.6	18.3	18.6	18.5	18.0	17.3			
160	17.1	16.3	15.5	15.0	14.7	14.5	14.9	15.4	16.4	16.9	17.8	18.4	18.6	18.6	18.2	17.7			
165	17.8	17.2	16.4	16.0	15.6	15.5	15.9	16.4	17.2	17.4	18.0	18.4	18.6	18.6	18.3	18.0			
170	18.5	18.0	17.3	16.9	16.6	16.6	17.0	17.3	18.0	17.9	18.3	18.4	18.5	18.6	18.5	18.4			
175	18.9	18.5	17.9	17.6	17.4	17.4	17.7	18.0	18.7	18.3	18.4	18.4	18.3	18.5	18.4	18.6			
180	18.9	18.7	18.4	18.3	18.1	18.1	18.4	18.4	19.1	18.5	18.5	18.2	18.2	18.3	18.3	18.5			

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: