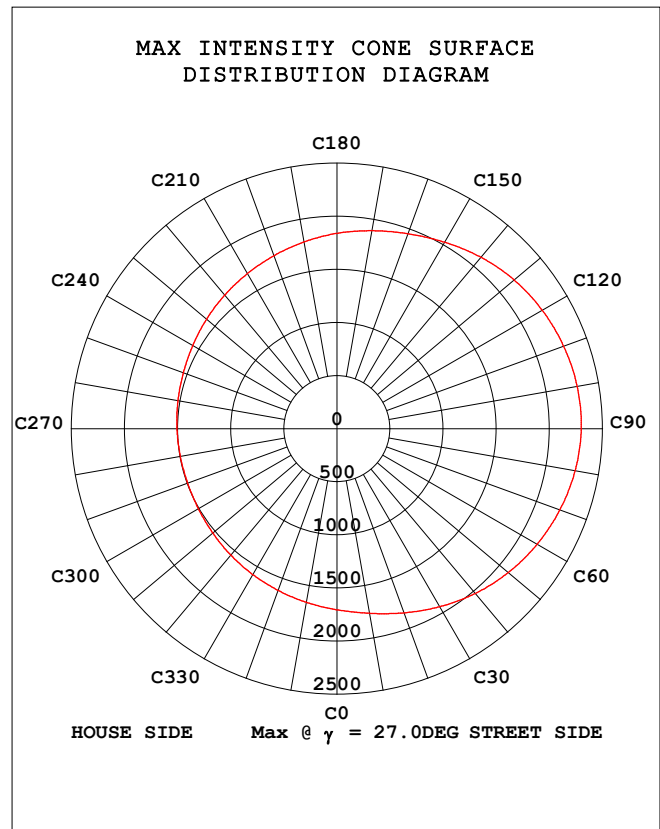
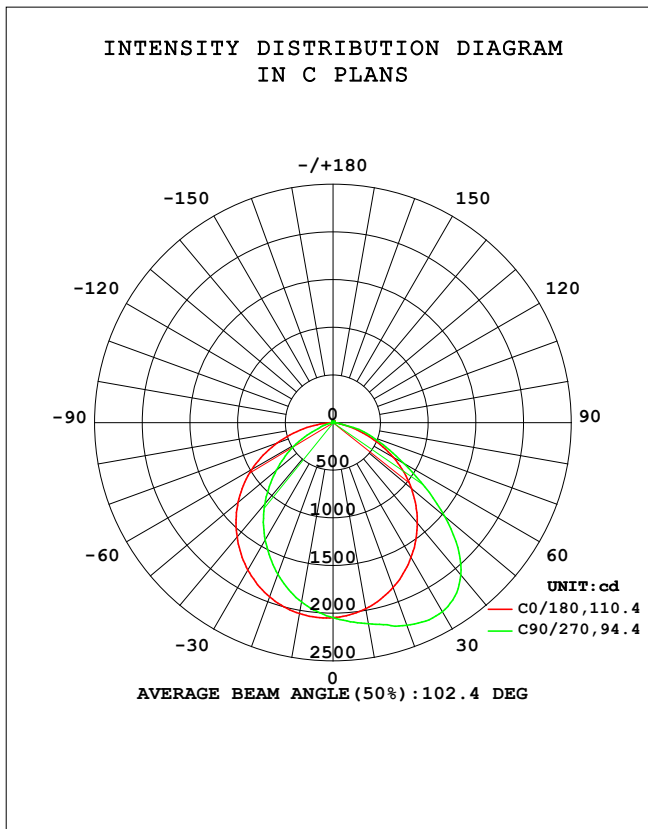


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.73V I:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.07 lm/W			
MODEL		I _{max} (cd)	2300	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	59.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5685	η house_up (%)	0.6
NOMINAL FLUX (lm)	5684.68	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	39.9
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

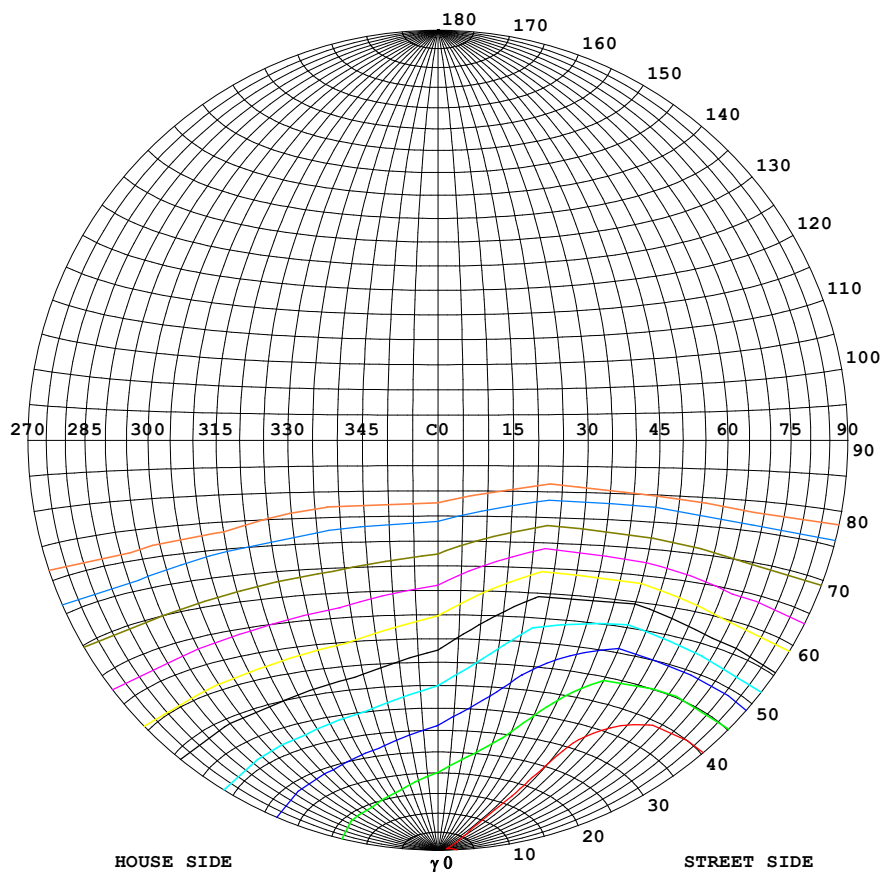


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

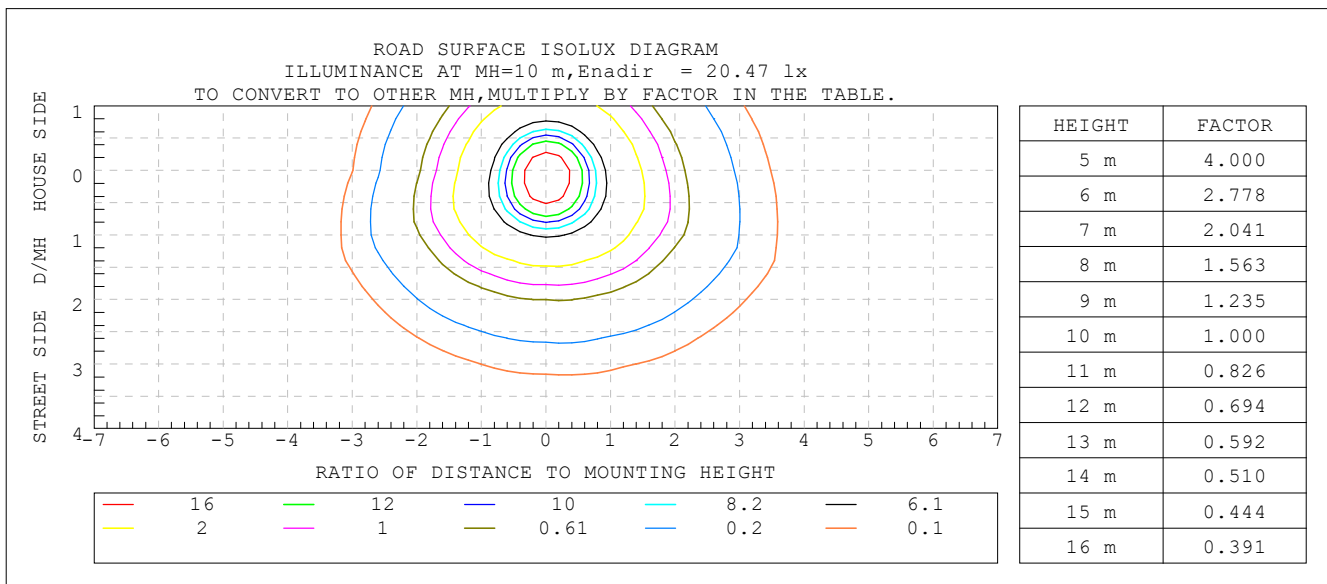
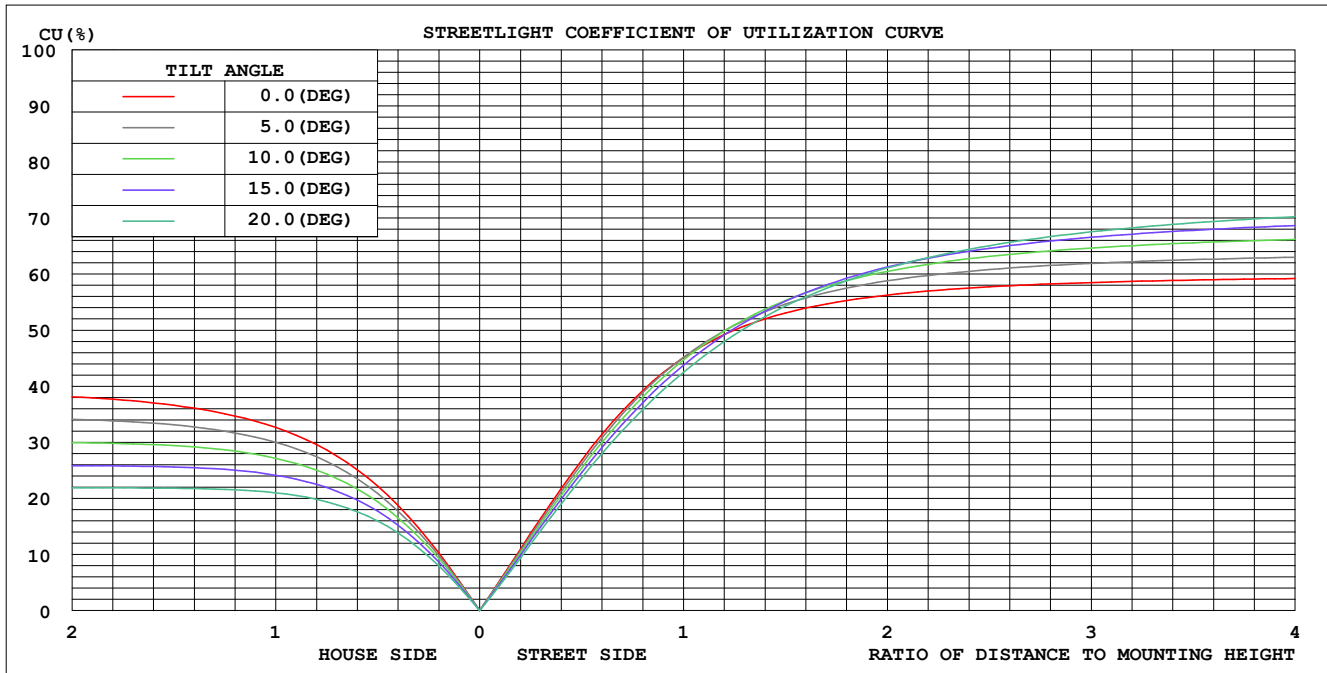
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.98cd/klm
Max.At90:0.7918cd/klm
Max.80-90:65.98cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2300
90%	2070
80%	1840
70%	1610
60%	1380
50%	1150
40%	920
30%	690
20%	460
10%	230
5%	115

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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

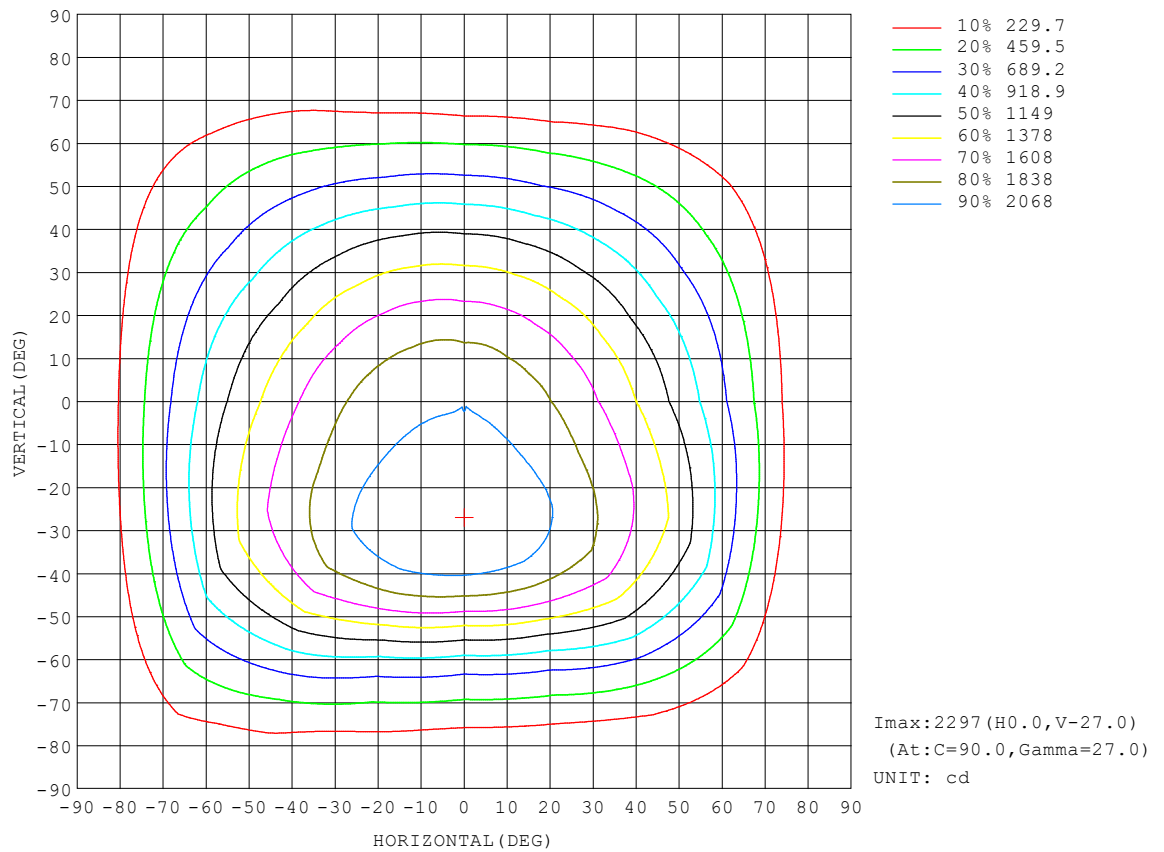
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1980	2079	2142	2109	2033	1957	1911	1924	0- 10	193.9	193.9	3.41,3.41
20	1841	2079	2263	2140	1946	1787	1696	1722	10- 20	559.7	753.6	13.3,13.3
30	1635	2054	2292	2141	1786	1547	1425	1454	20- 30	861.9	1616	28.4,28.4
40	1377	1942	2085	2054	1566	1260	1116	1153	30- 40	1056	2672	47,47
50	1075	1644	1532	1789	1301	944.3	776.3	829.0	40- 50	1088	3760	66.1,66.1
60	730.1	1124	860.7	1289	987.6	626.5	448.8	517.3	50- 60	925.1	4685	82.4,82.4
70	366.7	557.2	436.3	708.1	622.3	336.4	137.3	214.1	60- 70	617.5	5302	93.3,93.3
80	52.40	106.8	75.80	261.0	243.3	62.78	7.464	15.86	70- 80	279.9	5582	98.2,98.2
90	3.236	1.793	1.515	2.517	4.501	2.940	2.384	3.541	80- 90	38.77	5621	98.9,98.9
100	5.502	3.350	2.393	2.628	3.893	5.166	4.837	6.252	90-100	3.546	5625	98.9,98.9
110	8.177	5.432	4.251	4.478	6.257	8.056	8.165	9.340	100-110	5.761	5630	99,99
120	11.09	7.905	6.575	6.771	8.983	11.20	11.96	12.62	110-120	8.082	5638	99.2,99.2
130	13.80	10.59	9.238	9.337	11.82	14.16	15.42	15.58	120-130	9.886	5648	99.4,99.4
140	15.95	13.12	11.87	11.84	14.45	16.70	18.24	18.15	130-140	10.61	5659	99.5,99.5
150	17.64	15.51	14.40	14.35	16.62	18.70	20.02	19.76	140-150	10.05	5669	99.7,99.7
160	19.19	17.81	16.98	16.78	18.40	20.15	20.99	20.61	150-160	8.286	5677	99.9,99.9
170	20.59	19.96	19.44	19.19	20.03	21.09	21.64	21.09	160-170	5.520	5683	100,100
180	21.10	21.30	21.36	20.74	21.12	21.22	21.34	20.97	170-180	1.970	5685	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

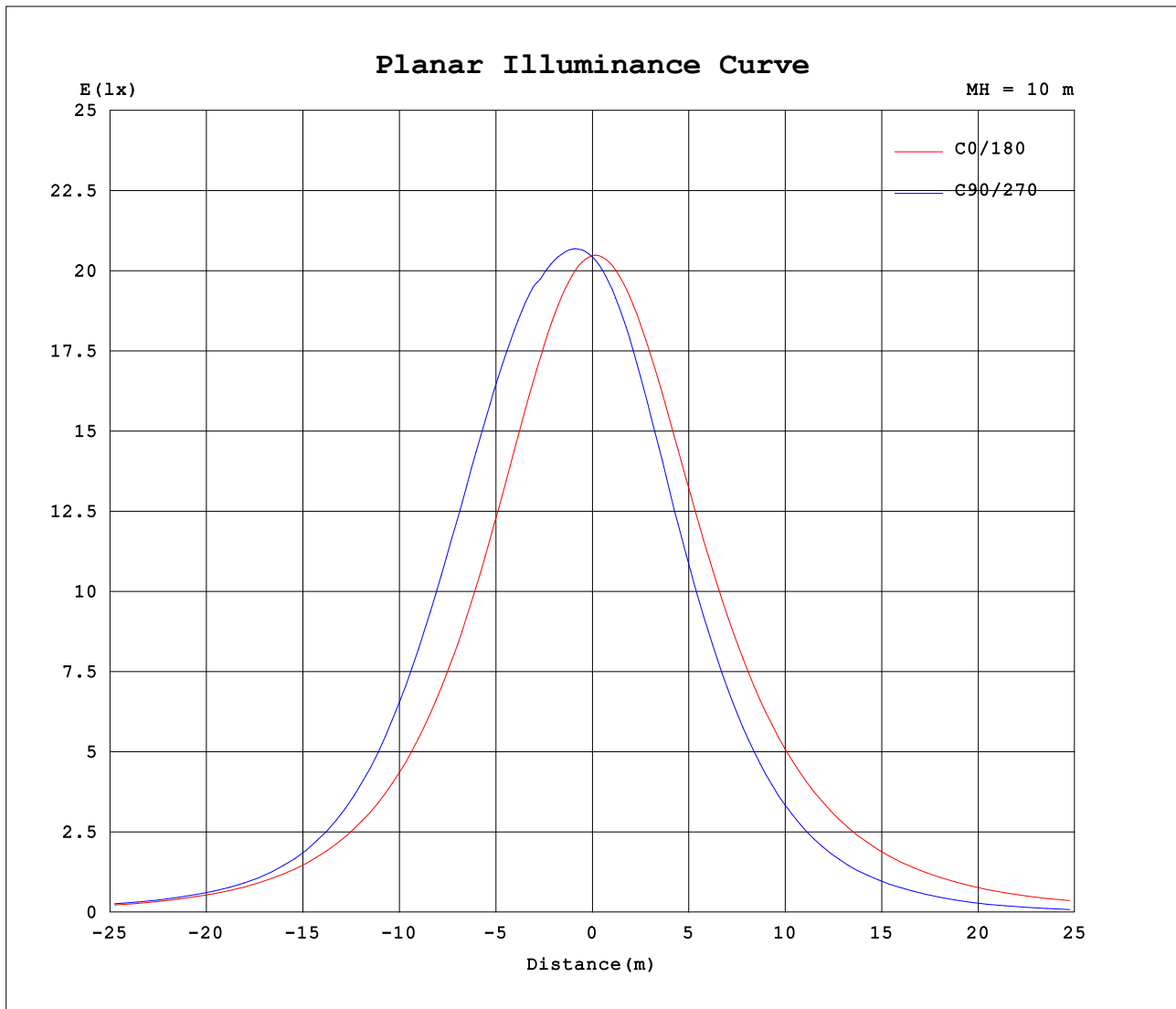
Test:U:275.73V I:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



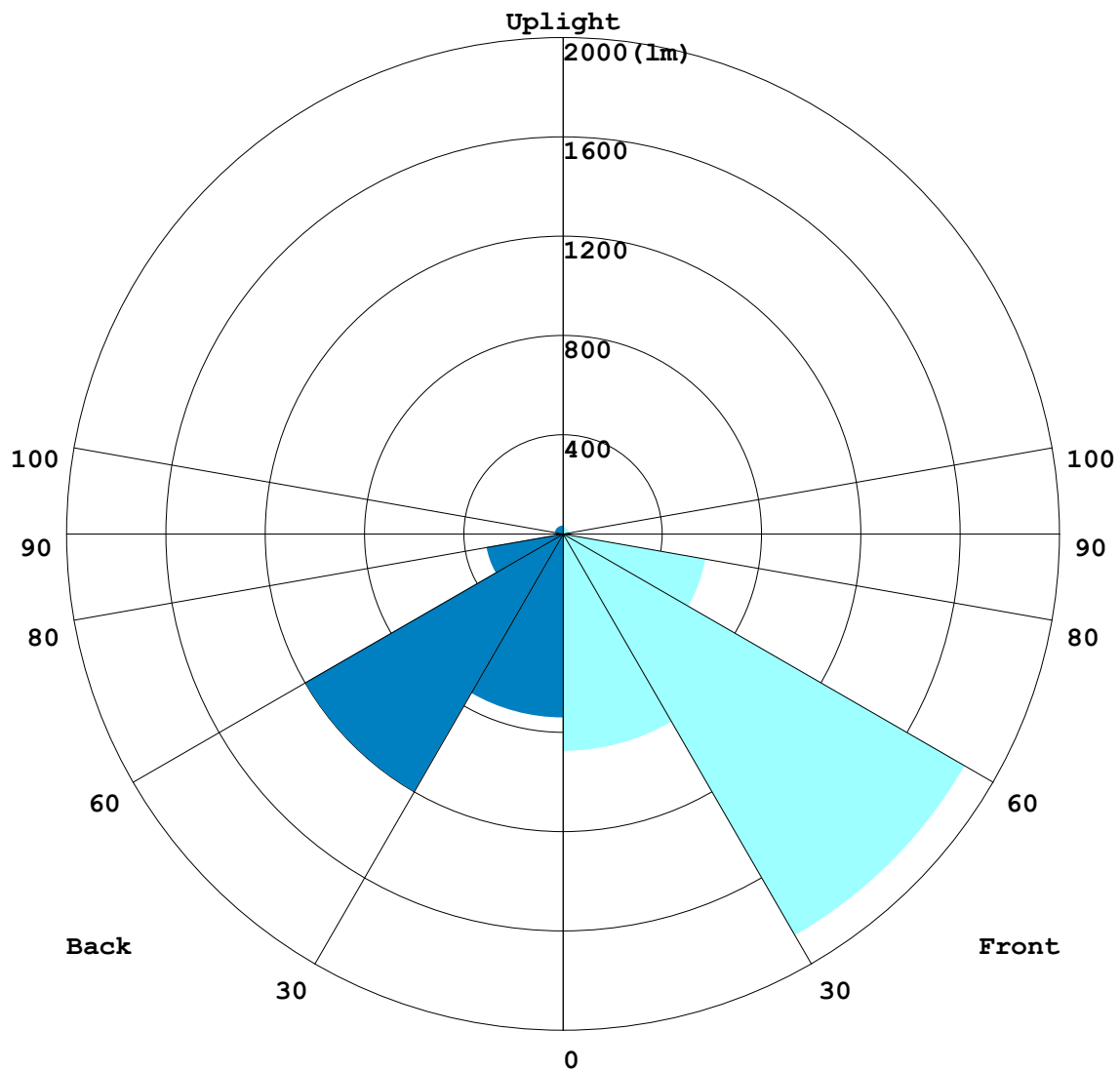
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 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)	874.95	15.4
FM - Front-Medium(30-60)	1868.9	32.9
FH - Front-High(60-80)	583.8	10.3
FVH - Front-Very High(80-90)	25.822	0.5
Total Forward Light	3380.8	59.5

BL - Back-Low(0-30)	740.59	13.0
BM - Back-Medium(30-60)	1200.3	21.1
BH - Back-High(60-80)	313.57	5.5
BVH - Back-Very High(80-90)	12.944	0.2
Total Back Light	2303.9	40.5

UL - Uplight-Low(90-100)	3.5458	0.1
UH - Uplight-High(100-180)	60.165	1.1
Total Up Light	63.711	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2267.5	36.44	2303.9
Street Side	3353.5	27.271	3380.8

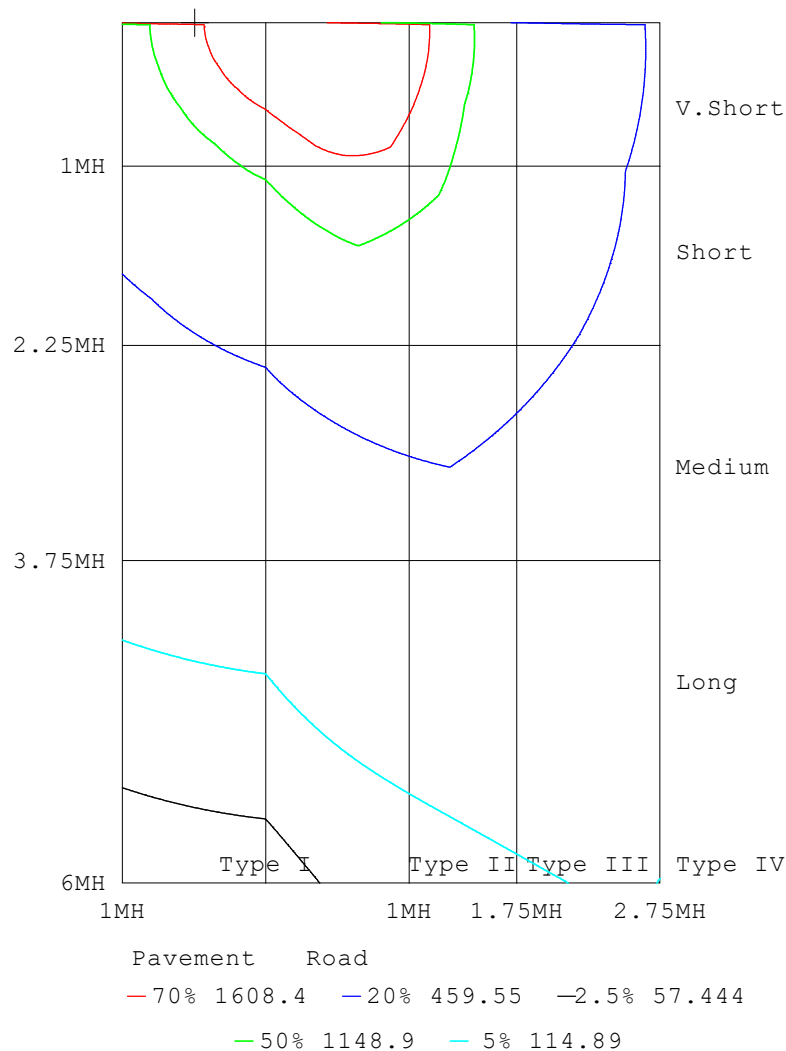
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 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:0.1496A P:40.297W PF:0.9769 Freq:60.00Hz Lamp Flux:5684.68x1 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	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046	2046			
5	2023	2048	2070	2087	2095	2092	2084	2067	2050	2029	2010	1995	1987	1986	1994	2008			
10	1980	2031	2079	2121	2142	2136	2109	2070	2033	1992	1957	1927	1911	1907	1924	1950			
15	1920	1999	2082	2156	2194	2180	2128	2058	1999	1936	1883	1833	1812	1806	1832	1873			
20	1841	1953	2079	2191	2263	2222	2140	2031	1946	1861	1787	1725	1696	1688	1722	1777			
25	1745	1893	2073	2217	2296	2256	2146	1990	1875	1766	1675	1597	1563	1556	1594	1662			
30	1635	1826	2054	2216	2292	2261	2141	1940	1786	1653	1547	1462	1425	1414	1454	1532			
35	1512	1748	2016	2146	2227	2221	2114	1878	1683	1526	1407	1320	1276	1266	1307	1390			
40	1377	1666	1942	2035	2085	2096	2054	1810	1566	1384	1260	1163	1116	1108	1153	1236			
45	1230	1571	1821	1839	1853	1914	1949	1730	1439	1232	1106	1003	948	933	991	1076			
50	1075	1461	1644	1563	1532	1648	1789	1637	1301	1074	944	827	776	766	829	916			
55	910	1315	1411	1232	1182	1318	1568	1513	1150	915	785	662	611	603	670	758			
60	730	1121	1124	911	861	990	1289	1349	988	756	626	507	449	451	517	598			
65	546	886	829	649	618	717	989	1141	809	593	477	343	271	277	375	443			
70	367	634	557	449	436	504	708	894	622	437	336	178	137	135	214	298			
75	194	382	334	285	284	338	463	632	433	291	179	90.1	67.2	61.7	82.0	167			
80	52.4	161	107	68.8	75.8	109	261	375	243	159	62.8	20.4	7.46	5.53	15.9	44.0			
85	3.57	3.94	4.92	5.57	7.00	13.5	45.0	153	77.7	41.0	5.55	2.31	2.04	2.30	2.96	3.52			
90	3.24	2.36	1.79	1.44	1.52	1.85	2.52	3.32	4.50	3.46	2.94	2.46	2.38	2.83	3.54	3.68			
95	4.31	3.22	2.50	1.96	1.68	1.68	1.91	2.31	2.91	3.68	3.87	3.57	3.46	4.04	4.82	4.85			
100	5.50	4.21	3.35	2.70	2.39	2.36	2.63	3.13	3.89	4.83	5.17	4.93	4.84	5.49	6.25	6.12			
105	6.79	5.32	4.34	3.59	3.26	3.19	3.49	4.10	5.02	6.08	6.56	6.47	6.43	7.11	7.77	7.48			
110	8.18	6.54	5.43	4.61	4.25	4.16	4.48	5.18	6.26	7.44	8.06	8.11	8.17	8.83	9.34	8.93			
115	9.63	7.86	6.62	5.72	5.36	5.24	5.57	6.36	7.58	8.88	9.59	9.87	10.1	10.7	11.0	10.4			
120	11.1	9.22	7.91	6.93	6.58	6.41	6.77	7.63	8.98	10.4	11.2	11.7	12.0	12.5	12.6	12.0			
125	12.5	10.6	9.25	8.22	7.88	7.68	8.05	8.96	10.4	11.9	12.7	13.3	13.8	14.2	14.1	13.4			
130	13.8	11.9	10.6	9.56	9.24	9.00	9.34	10.3	11.8	13.3	14.2	14.9	15.4	15.7	15.6	14.6			
135	14.9	13.1	11.9	10.9	10.6	10.3	10.6	11.5	13.2	14.6	15.5	16.2	16.9	17.1	16.9	15.8			
140	15.9	14.3	13.1	12.1	11.9	11.6	11.8	12.7	14.4	15.9	16.7	17.5	18.2	18.4	18.1	16.9			
145	16.9	15.4	14.3	13.4	13.2	12.8	13.1	13.9	15.6	16.9	17.7	18.5	19.3	19.3	19.0	17.7			
150	17.6	16.4	15.5	14.6	14.4	14.1	14.4	15.0	16.6	18.0	18.7	19.3	20.0	20.0	19.8	18.6			
155	18.4	17.4	16.7	15.8	15.7	15.4	15.6	16.1	17.6	18.8	19.6	20.0	20.6	20.5	20.3	19.2			
160	19.2	18.4	17.8	17.0	17.0	16.7	16.8	17.2	18.4	19.4	20.1	20.5	21.0	20.8	20.6	19.6			
165	19.9	19.4	18.9	18.2	18.2	18.0	18.0	18.3	19.2	20.0	20.7	21.0	21.3	21.0	20.8	20.0			
170	20.6	20.3	20.0	19.4	19.4	19.3	19.2	19.3	20.0	20.6	21.1	21.3	21.6	21.3	21.1	20.4			
175	21.0	20.8	20.7	20.3	20.5	20.3	20.1	20.1	20.7	21.0	21.3	21.4	21.5	21.2	21.1	20.5			
180	21.1	21.0	21.3	21.1	21.4	21.1	20.7	20.6	21.1	21.2	21.2	21.3	21.3	21.0	21.0	20.5			

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: