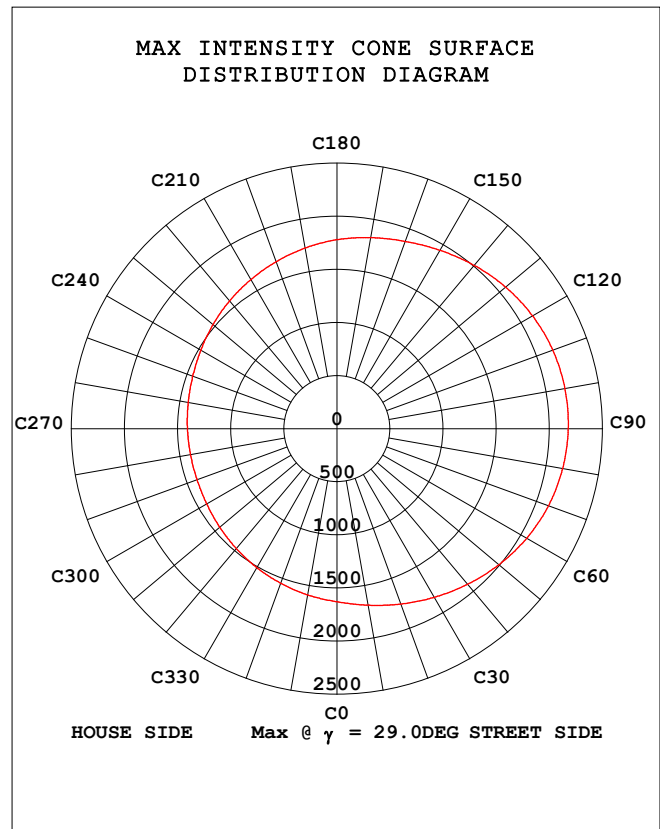
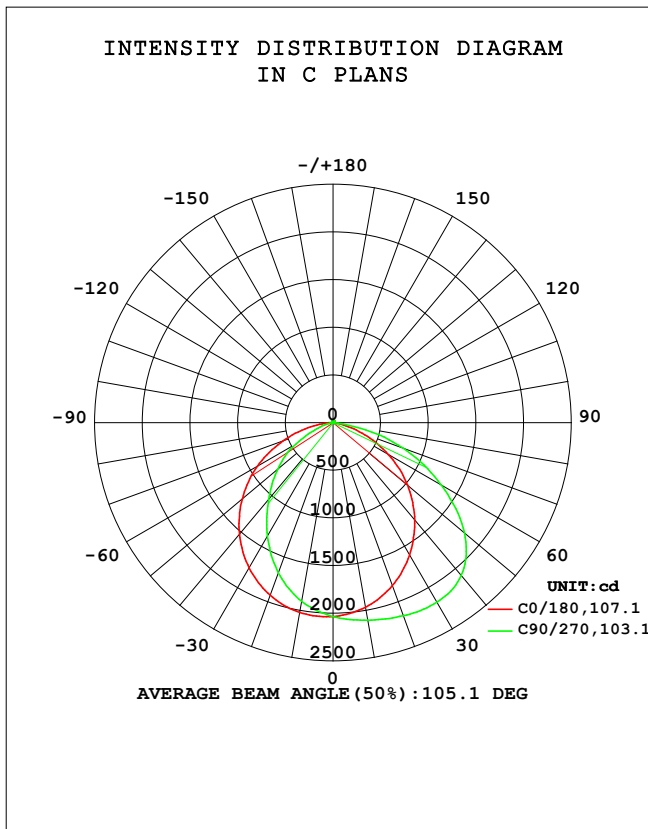


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.15 lm/W			
MODEL		I _{max} (cd)	2177	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	60.4
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	5730	η house_up (%)	0.7
NOMINAL FLUX (lm)	5730.33	MAXIMUM @ (C, γ)	90, 29.0	η house_down (%)	38.5
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

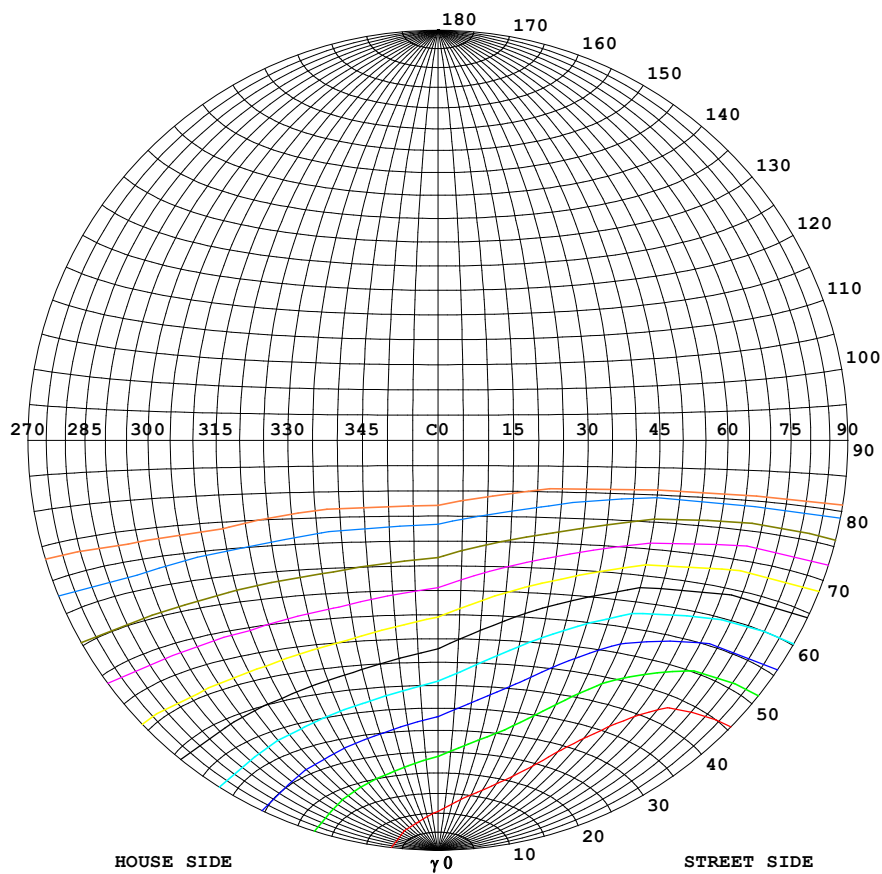


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

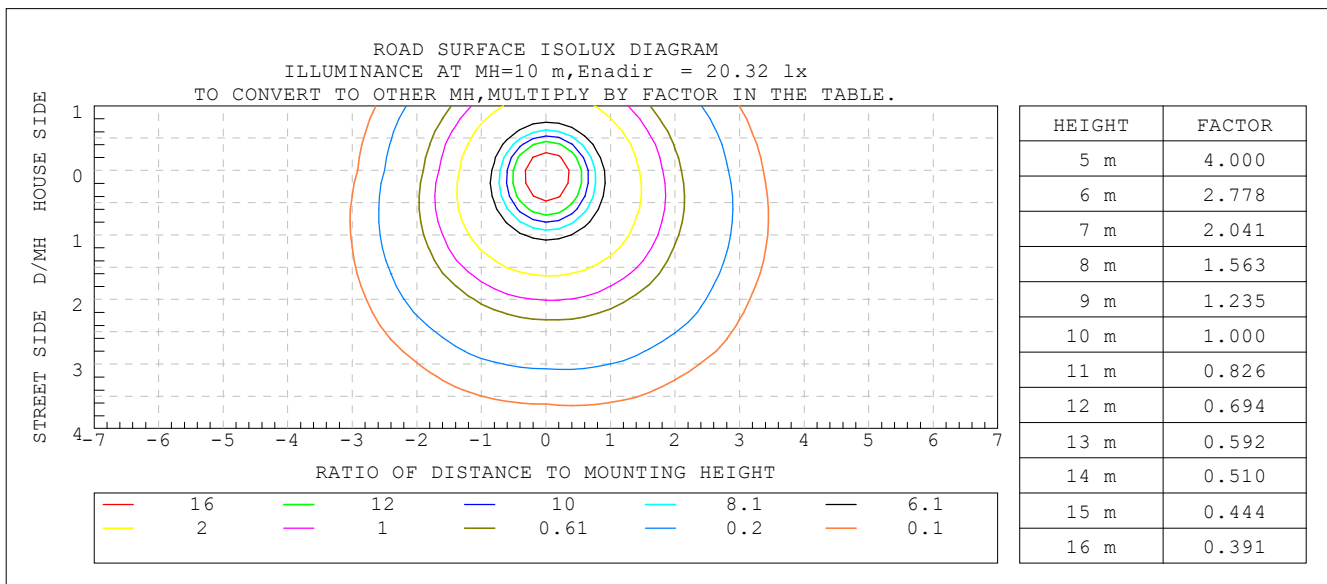
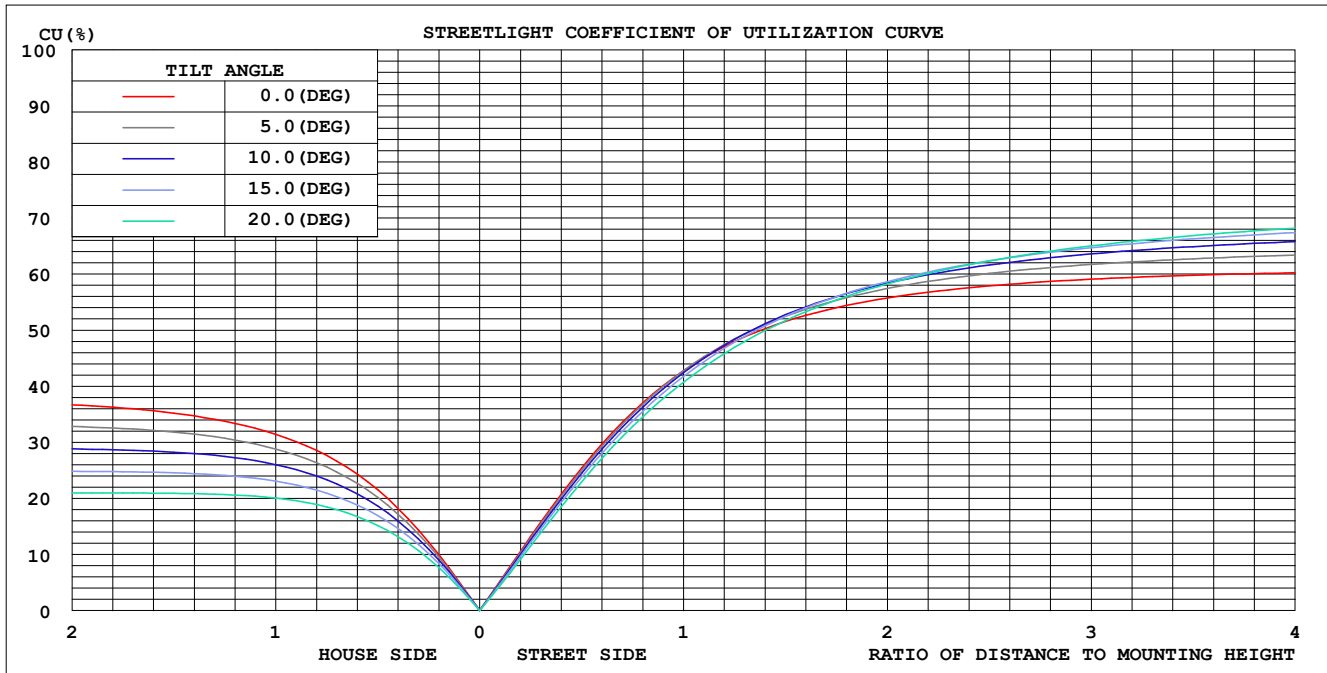
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:69.40cd/klm
Max.At90:0.7550cd/klm
Max.80-90:69.40cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2177
90%	1960
80%	1742
70%	1524
60%	1306
50%	1089
40%	871
30%	653
20%	435
10%	218
5%	109

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:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

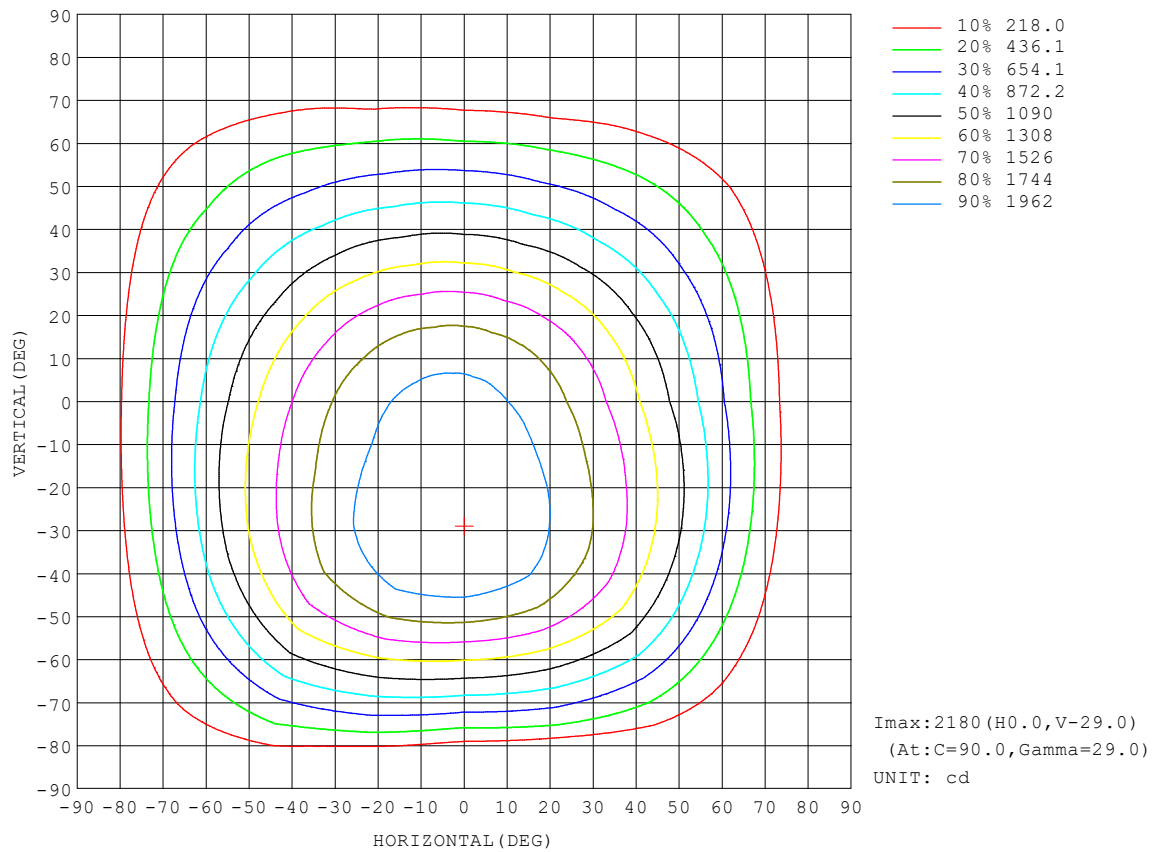
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1966	2048	2104	2082	2021	1947	1902	1914	0- 10	192.4	192.4	3.36,3.36
20	1820	2014	2156	2080	1928	1773	1678	1708	10- 20	551.6	744.0	13,13
30	1604	1944	2176	2036	1759	1520	1378	1427	20- 30	838.7	1583	27.6,27.6
40	1334	1812	2092	1934	1526	1213	1051	1105	30- 40	1018	2600	45.4,45.4
50	1022	1578	1803	1732	1243	889.7	756.4	783.3	40- 50	1061	3661	63.9,63.9
60	674.1	1210	1316	1392	918.2	596.1	450.5	495.3	50- 60	948.6	4609	80.4,80.4
70	325.4	714.8	781.5	915.8	556.1	315.9	167.2	206.2	60- 70	681.5	5291	92.3,92.3
80	46.12	183.6	134.8	397.7	207.0	66.28	7.339	13.28	70- 80	330.7	5622	98.1,98.1
90	2.923	1.726	1.677	2.766	4.326	3.314	3.687	4.078	80- 90	44.79	5666	98.9,98.9
100	5.072	3.225	2.401	2.548	3.517	5.589	6.675	6.836	90-100	3.816	5670	98.9,98.9
110	7.664	5.242	4.177	4.364	5.755	8.425	10.03	9.842	100-110	6.009	5676	99.1,99.1
120	10.50	7.685	6.424	6.632	8.384	11.51	13.54	13.08	110-120	8.241	5684	99.2,99.2
130	13.15	10.31	9.027	9.185	11.16	14.45	16.53	15.79	120-130	9.943	5694	99.4,99.4
140	15.30	12.82	11.66	11.70	13.75	16.88	18.77	18.03	130-140	10.55	5705	99.6,99.6
150	17.01	15.18	14.18	14.16	15.94	18.63	20.17	19.51	140-150	9.941	5715	99.7,99.7
160	18.59	17.41	16.69	16.52	17.75	19.73	20.87	20.32	150-160	8.163	5723	99.9,99.9
170	20.02	19.46	19.00	18.87	19.41	20.47	21.11	20.73	160-170	5.414	5728	100,100
180	20.52	20.74	20.83	20.40	20.52	20.60	20.77	20.59	170-180	1.927	5730	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

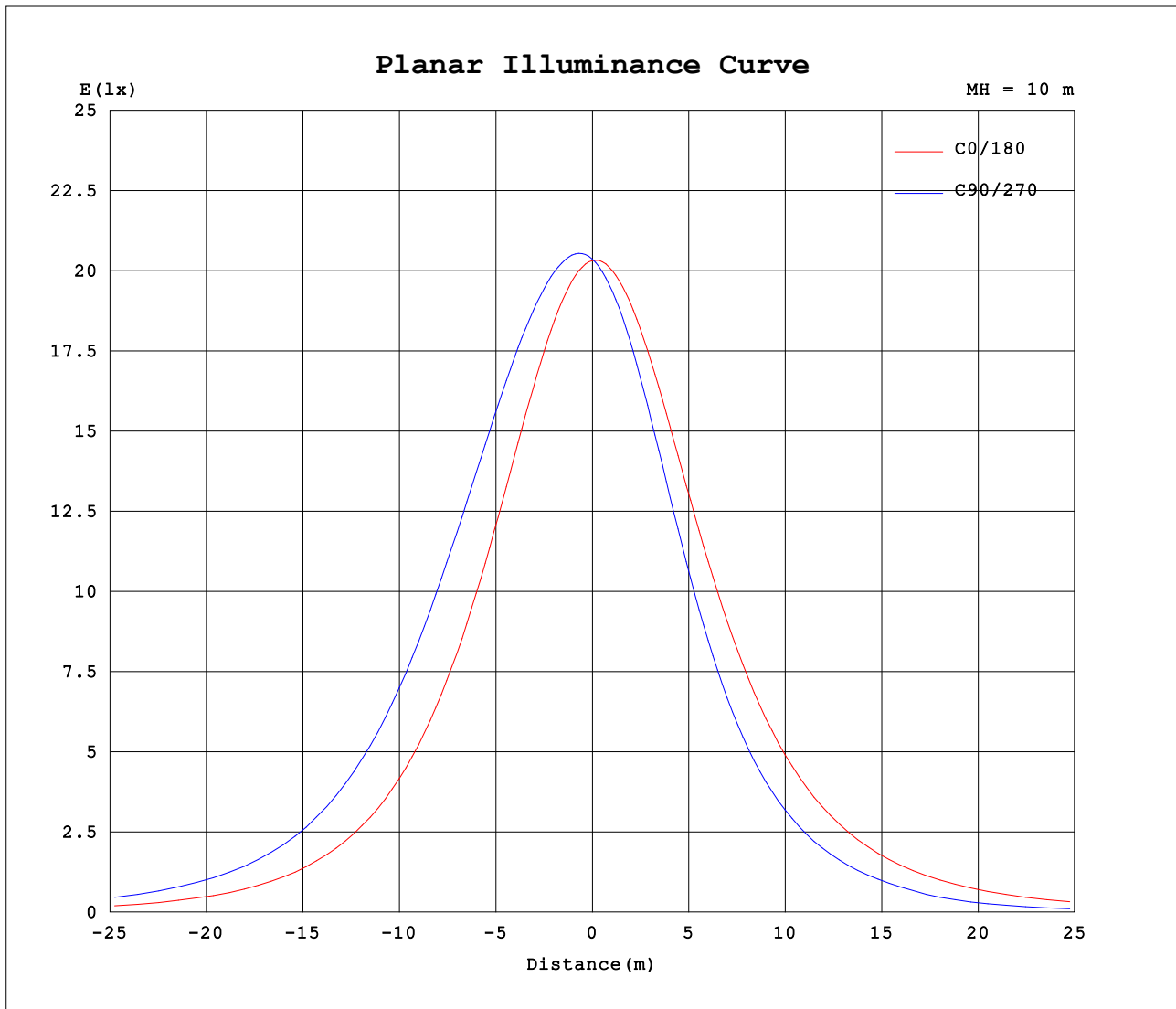
Test:U:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



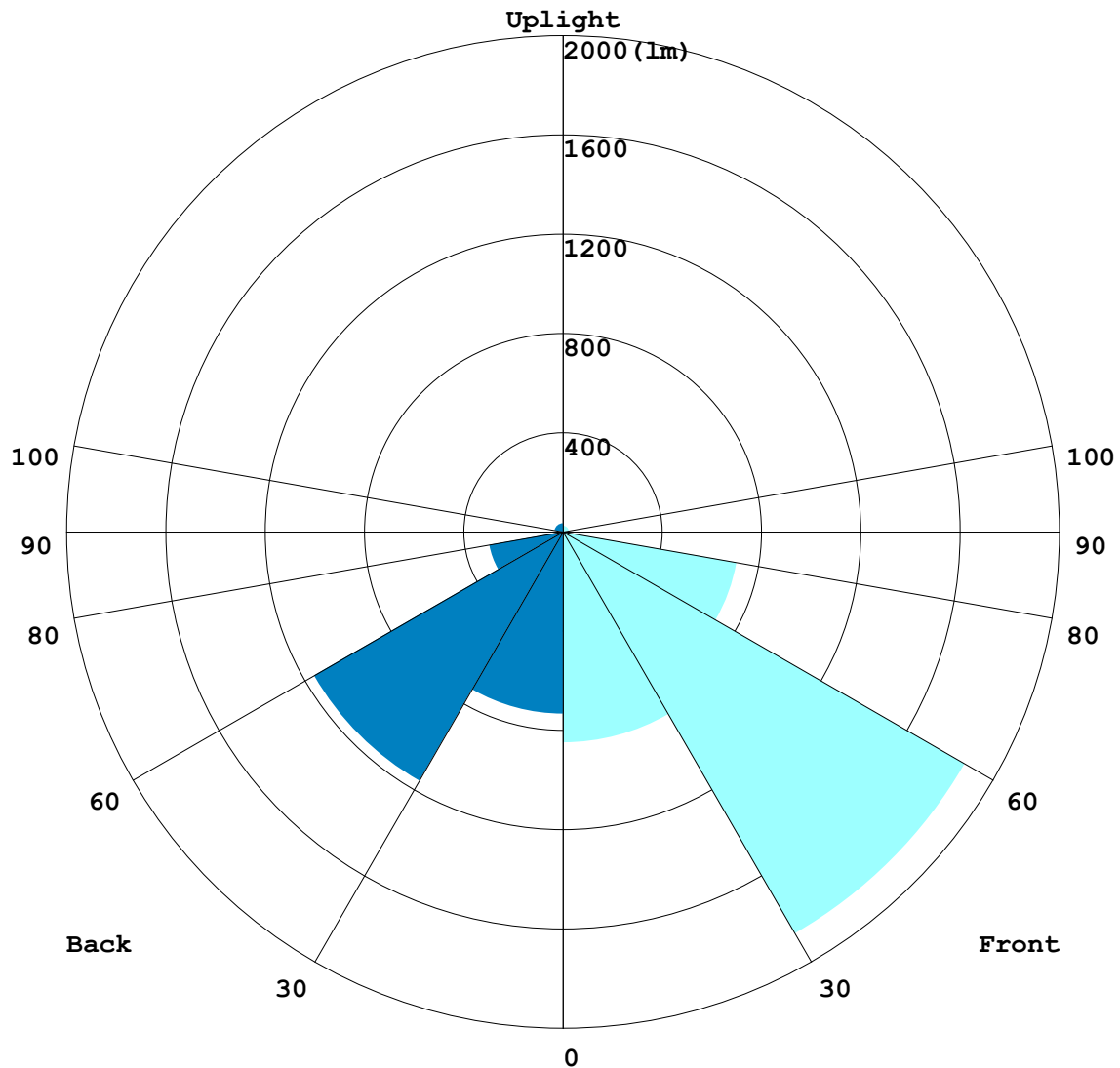
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 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:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 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)	849.56	14.8
FM - Front-Medium(30-60)	1868.6	32.6
FH - Front-High(60-80)	710.7	12.4
FVH - Front-Very High(80-90)	33.093	0.6
Total Forward Light	3488.5	60.9

BL - Back-Low(0-30)	733.09	12.8
BM - Back-Medium(30-60)	1158.2	20.2
BH - Back-High(60-80)	301.44	5.3
BVH - Back-Very High(80-90)	11.697	0.2
Total Back Light	2241.9	39.1

UL - Uplight-Low(90-100)	3.8163	0.1
UH - Uplight-High(100-180)	60.192	1.1
Total Up Light	64.009	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2204.4	37.472	2241.9
Street Side	3461.9	26.537	3488.5

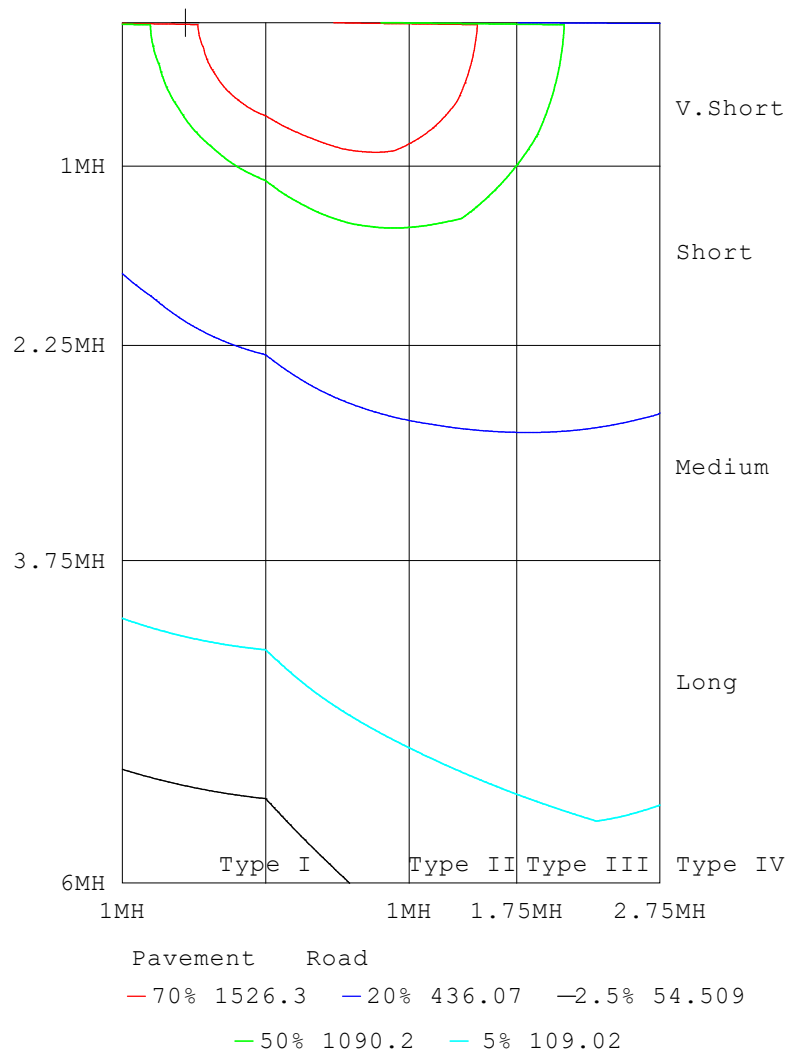
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:

ROAD ISOCANDELA REPORT

Test:U:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz Lamp Flux:5730.33x1 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:275.77V I:0.1457A P:39.209W PF:0.9755 Freq:60.00Hz																	
Lamp Flux:5730.33x1 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	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034			
5	2010	2030	2049	2064	2074	2074	2065	2051	2037	2017	2000	1986	1978	1977	1984	1995			
10	1966	2009	2048	2086	2104	2103	2082	2051	2021	1981	1947	1916	1902	1899	1914	1936			
15	1902	1969	2038	2100	2131	2126	2086	2031	1984	1925	1872	1826	1801	1796	1823	1860			
20	1820	1911	2014	2110	2156	2145	2080	1995	1928	1847	1773	1707	1678	1672	1708	1760			
25	1720	1842	1984	2113	2174	2155	2063	1943	1852	1750	1656	1574	1535	1528	1577	1645			
30	1604	1759	1944	2105	2176	2154	2036	1878	1759	1637	1520	1423	1378	1373	1427	1511			
35	1474	1662	1887	2074	2155	2133	1995	1798	1651	1503	1371	1266	1213	1211	1268	1366			
40	1334	1558	1812	2016	2092	2082	1934	1709	1526	1358	1213	1102	1051	1046	1105	1206			
45	1182	1439	1710	1907	1976	1985	1850	1605	1390	1201	1051	947	902	893	939	1043			
50	1022	1306	1578	1748	1803	1834	1732	1489	1243	1040	890	799	756	745	783	879			
55	853	1145	1412	1539	1574	1632	1580	1349	1085	879	740	656	617	602	637	721			
60	674	955	1210	1291	1316	1390	1392	1178	918	720	596	518	451	456	495	565			
65	496	735	978	1039	1053	1133	1165	979	739	561	458	346	290	288	361	413			
70	325	512	715	782	782	874	916	755	556	409	316	201	167	160	206	274			
75	169	301	461	516	502	611	651	526	376	269	169	105	75.3	68.9	87.5	149			
80	46.1	124	184	135	135	299	398	309	207	143	66.3	18.9	7.34	5.63	13.3	39.0			
85	3.25	4.19	6.12	7.38	9.61	47.5	90.0	125	66.6	36.2	5.59	3.17	3.08	3.31	3.45	3.40			
90	2.92	2.20	1.73	1.50	1.68	2.17	2.77	3.49	4.33	3.26	3.31	3.51	3.69	4.06	4.08	3.59			
95	3.94	3.00	2.41	1.96	1.71	1.69	1.84	2.17	2.60	3.50	4.29	4.85	5.10	5.50	5.41	4.76			
100	5.07	3.94	3.22	2.68	2.40	2.36	2.55	2.96	3.52	4.62	5.59	6.35	6.68	7.08	6.84	6.03			
105	6.32	5.01	4.18	3.54	3.22	3.17	3.39	3.90	4.58	5.88	6.97	7.91	8.34	8.69	8.32	7.39			
110	7.66	6.19	5.24	4.52	4.18	4.11	4.36	4.95	5.75	7.20	8.42	9.52	10.0	10.4	9.84	8.83			
115	9.08	7.45	6.41	5.61	5.24	5.16	5.44	6.11	7.04	8.64	9.95	11.2	11.8	12.1	11.5	10.3			
120	10.5	8.77	7.69	6.80	6.42	6.32	6.63	7.36	8.38	10.1	11.5	12.9	13.5	13.8	13.1	11.8			
125	11.9	10.1	9.00	8.09	7.70	7.58	7.90	8.66	9.78	11.6	13.0	14.4	15.2	15.3	14.5	13.2			
130	13.1	11.4	10.3	9.41	9.03	8.89	9.19	9.95	11.2	13.0	14.4	15.8	16.5	16.6	15.8	14.4			
135	14.3	12.6	11.6	10.7	10.4	10.2	10.4	11.2	12.5	14.3	15.7	17.0	17.7	17.8	17.0	15.5			
140	15.3	13.8	12.8	12.0	11.7	11.5	11.7	12.4	13.7	15.4	16.9	18.1	18.8	18.8	18.0	16.5			
145	16.2	14.8	14.0	13.2	12.9	12.8	13.0	13.6	14.9	16.4	17.8	19.0	19.5	19.6	18.8	17.4			
150	17.0	15.9	15.2	14.5	14.2	14.0	14.2	14.7	15.9	17.4	18.6	19.7	20.2	20.2	19.5	18.2			
155	17.8	16.9	16.3	15.7	15.5	15.3	15.3	15.8	16.9	18.1	19.3	20.2	20.6	20.6	20.0	18.9			
160	18.6	17.8	17.4	16.9	16.7	16.5	16.5	16.9	17.8	18.8	19.7	20.6	20.9	20.8	20.3	19.3			
165	19.3	18.8	18.5	18.0	17.9	17.8	17.7	18.0	18.6	19.3	20.1	20.8	21.0	20.9	20.5	19.7			
170	20.0	19.7	19.5	19.1	19.0	19.0	18.9	19.0	19.4	19.9	20.5	21.0	21.1	21.1	20.7	20.0			
175	20.5	20.2	20.2	20.0	20.0	20.0	19.7	19.8	20.1	20.3	20.6	21.0	21.0	21.0	20.7	20.2			
180	20.5	20.4	20.7	20.8	20.8	20.8	20.4	20.3	20.5	20.6	20.6	20.9	20.8	20.7	20.6	20.2			

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: