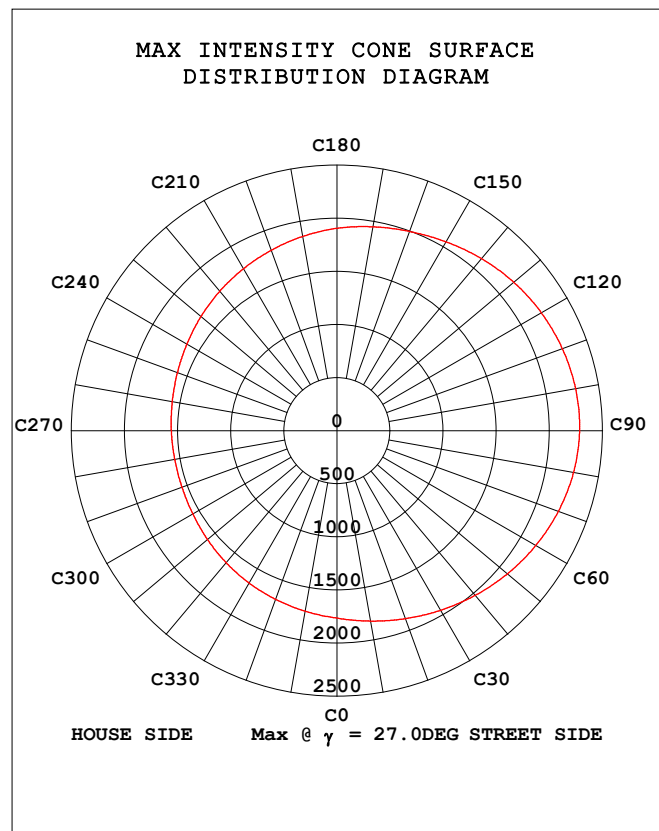
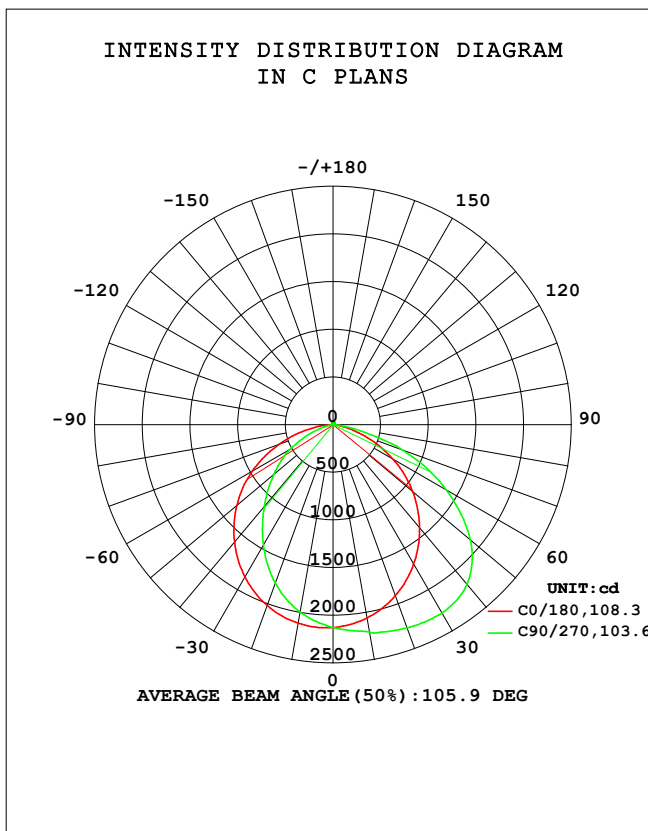


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.40 lm/W			
MODEL		I _{max} (cd)	2285	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	59.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6025	η house_up (%)	0.6
NOMINAL FLUX (lm)	6025.06	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	39.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

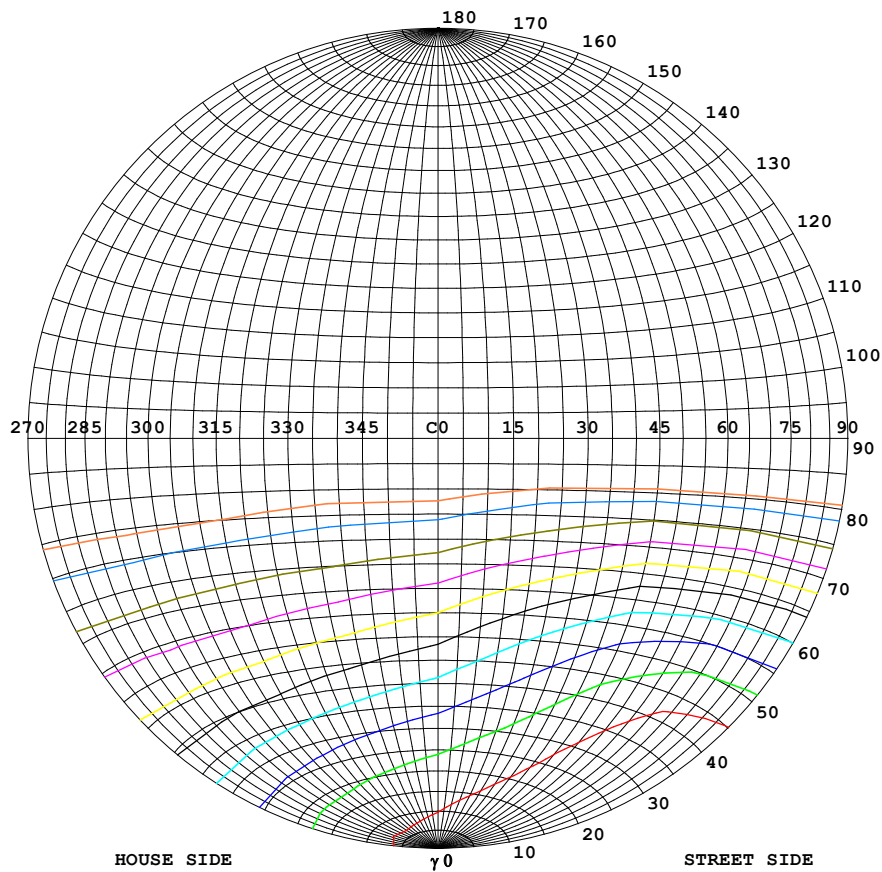


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

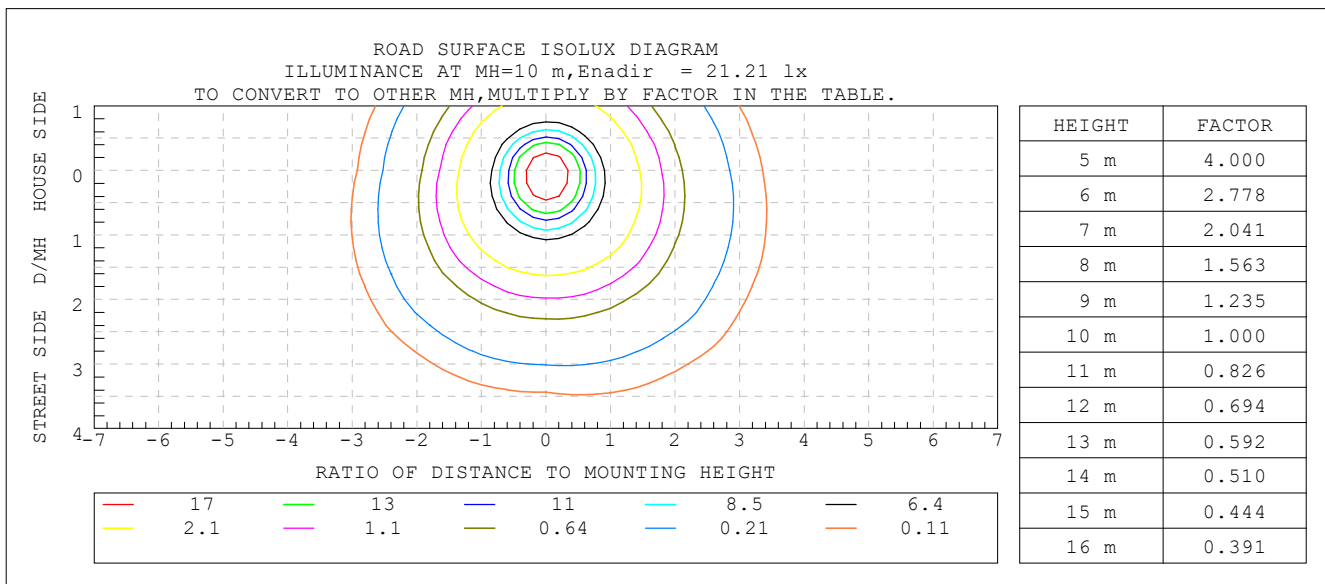
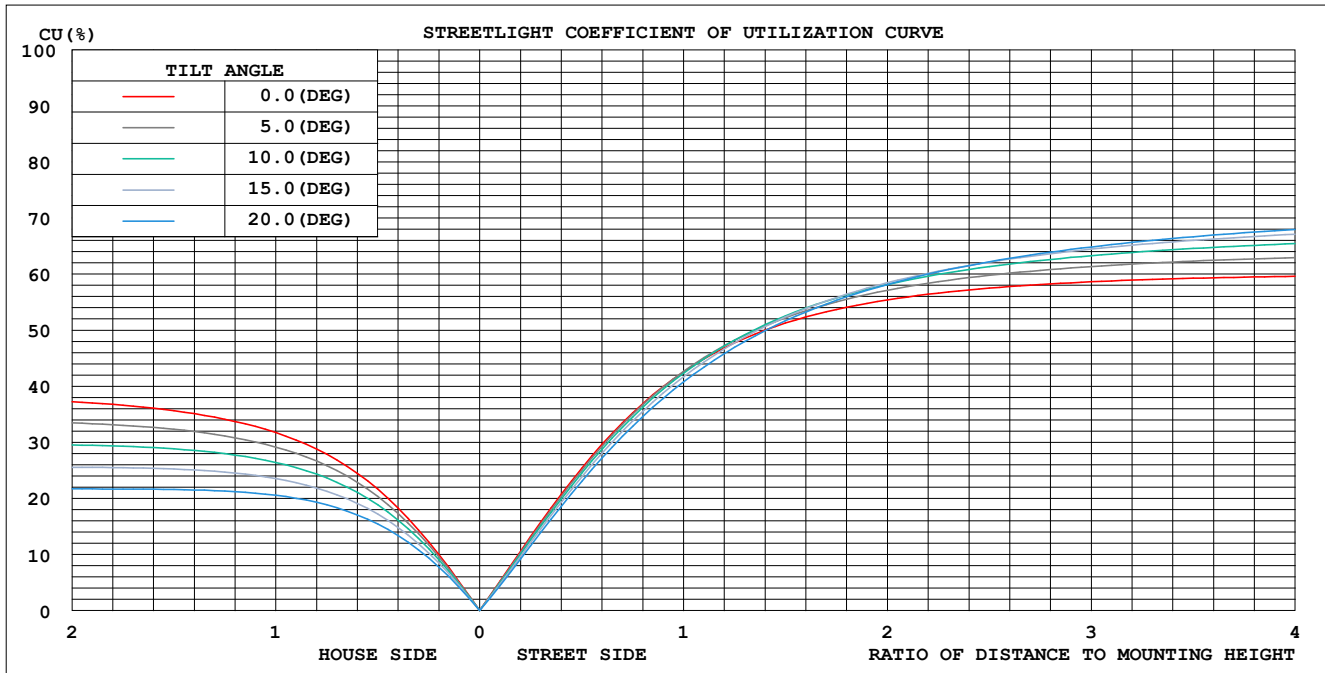
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.23cd/klm
Max.At90:0.7337cd/klm
Max.80-90:58.23cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2285
90%	2056
80%	1828
70%	1599
60%	1371
50%	1142
40%	914
30%	685
20%	457
10%	228
5%	114

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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

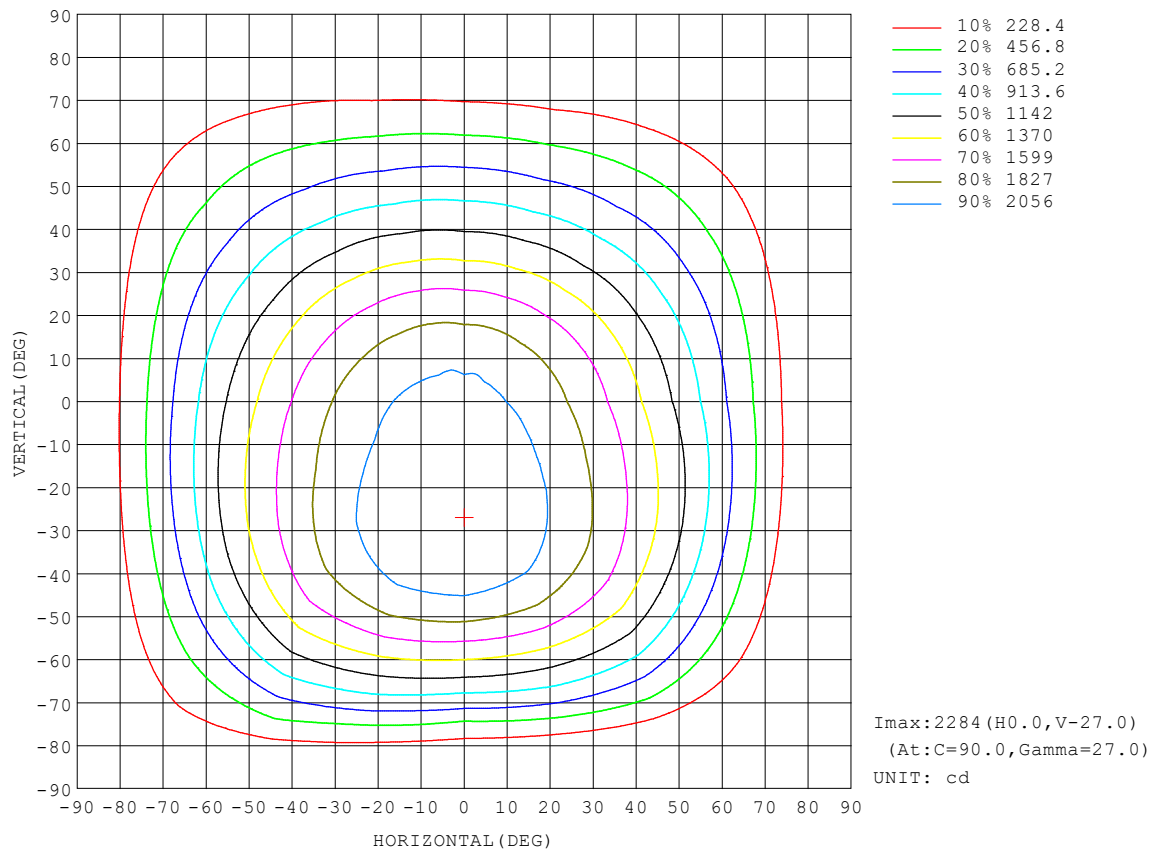
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2059	2144	2210	2177	2114	2039	1996	2007	0- 10	201.4	201.4	3.34,3.34
20	1910	2109	2268	2175	2020	1868	1771	1801	10- 20	578.6	780.0	12.9,12.9
30	1690	2033	2283	2128	1848	1611	1463	1515	20- 30	881.3	1661	27.6,27.6
40	1414	1892	2187	2015	1608	1291	1125	1180	30- 40	1070	2731	45.3,45.3
50	1090	1644	1881	1800	1318	956.3	810.8	843.8	40- 50	1115	3846	63.8,63.8
60	727.4	1263	1372	1446	981.9	645.8	515.7	540.9	50- 60	1000	4846	80.4,80.4
70	359.0	741.9	769.2	951.0	600.5	360.8	218.4	250.4	60- 70	726.1	5573	92.5,92.5
80	56.64	155.1	133.1	350.8	233.3	88.23	17.02	25.10	70- 80	341.2	5914	98.2,98.2
90	3.124	1.917	1.776	2.682	4.421	3.507	3.710	4.203	80- 90	44.10	5958	98.9,98.9
100	5.389	3.522	2.686	2.808	3.770	5.811	6.841	7.094	90-100	4.017	5962	99,99
110	8.127	5.644	4.569	4.741	6.147	8.793	10.38	10.24	100-110	6.339	5968	99.1,99.1
120	11.09	8.203	6.904	7.118	8.914	12.01	14.02	13.62	110-120	8.673	5977	99.2,99.2
130	13.85	10.94	9.642	9.800	11.80	15.10	17.24	16.54	120-130	10.46	5987	99.4,99.4
140	16.09	13.53	12.35	12.41	14.49	17.68	19.59	18.88	130-140	11.08	5998	99.6,99.6
150	17.87	15.99	14.97	14.95	16.78	19.52	21.11	20.44	140-150	10.43	6009	99.7,99.7
160	19.52	18.28	17.54	17.38	18.67	20.64	21.84	21.28	150-160	8.554	6017	99.9,99.9
170	21.01	20.41	19.95	19.83	20.40	21.42	22.12	21.72	160-170	5.669	6023	100,100
180	21.54	21.73	21.84	21.40	21.56	21.57	21.78	21.60	170-180	2.017	6025	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

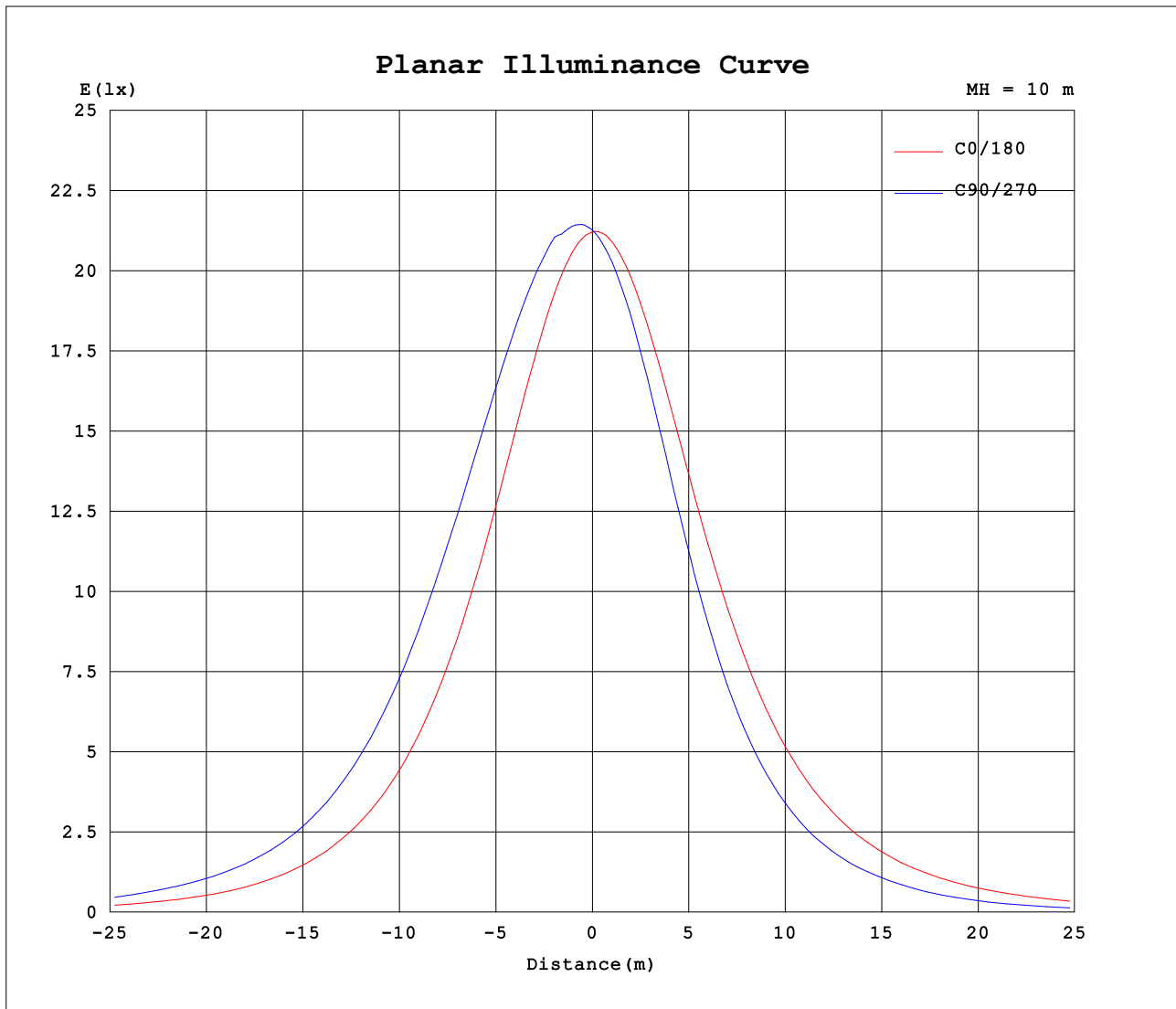
Test:U:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



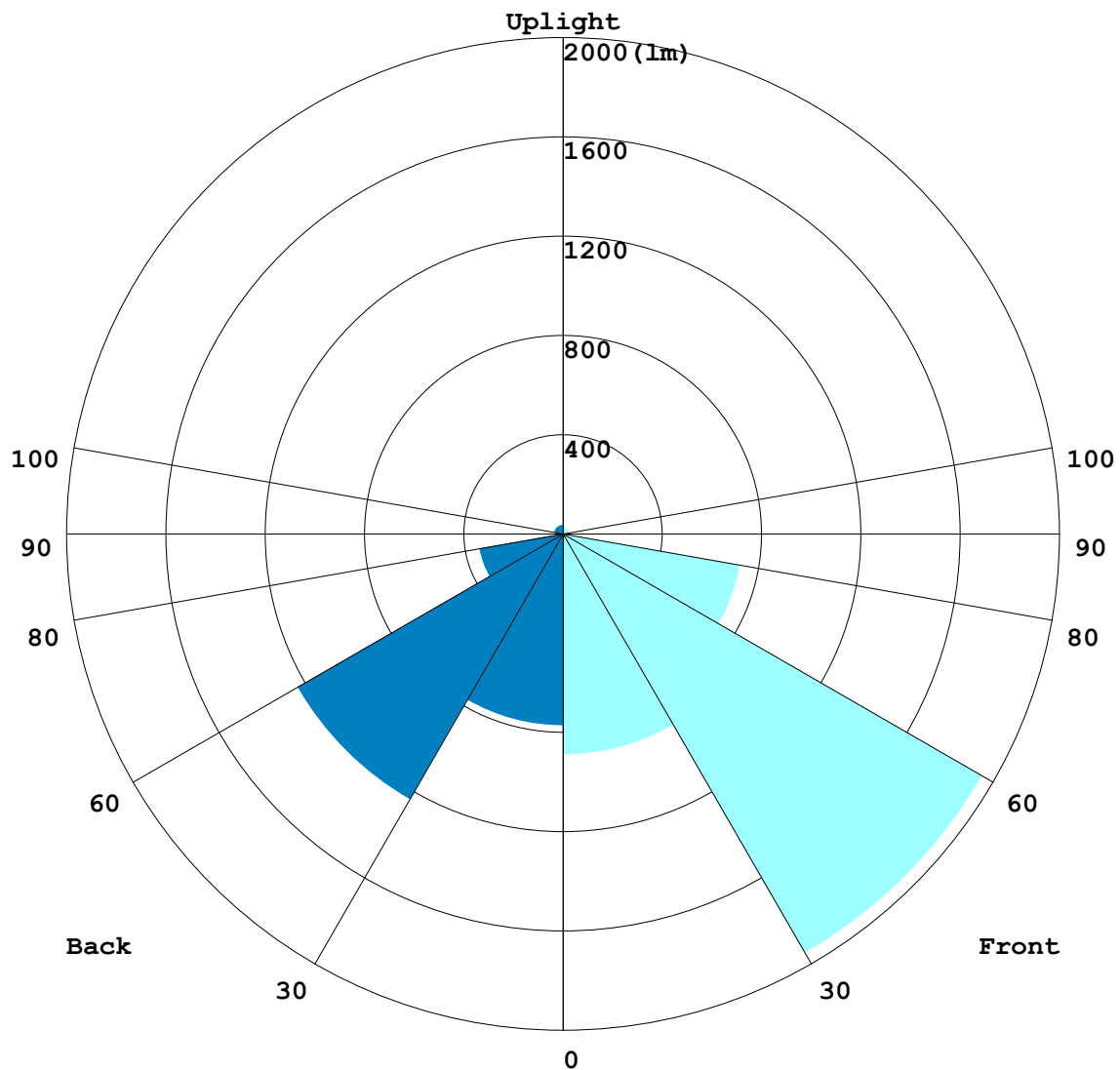
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 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)	889.63	14.8
FM - Front-Medium(30-60)	1949.4	32.4
FH - Front-High(60-80)	724.69	12.0
FVH - Front-Very High(80-90)	29.605	0.5
Total Forward Light	3621.4	60.1

BL - Back-Low(0-30)	771.72	12.8
BM - Back-Medium(30-60)	1235.7	20.5
BH - Back-High(60-80)	342.62	5.7
BVH - Back-Very High(80-90)	14.497	0.2
Total Back Light	2403.6	39.9

UL - Uplight-Low(90-100)	4.0174	0.1
UH - Uplight-High(100-180)	63.221	1.0
Total Up Light	67.239	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2364.5	39.105	2403.6
Street Side	3593.3	28.134	3621.4

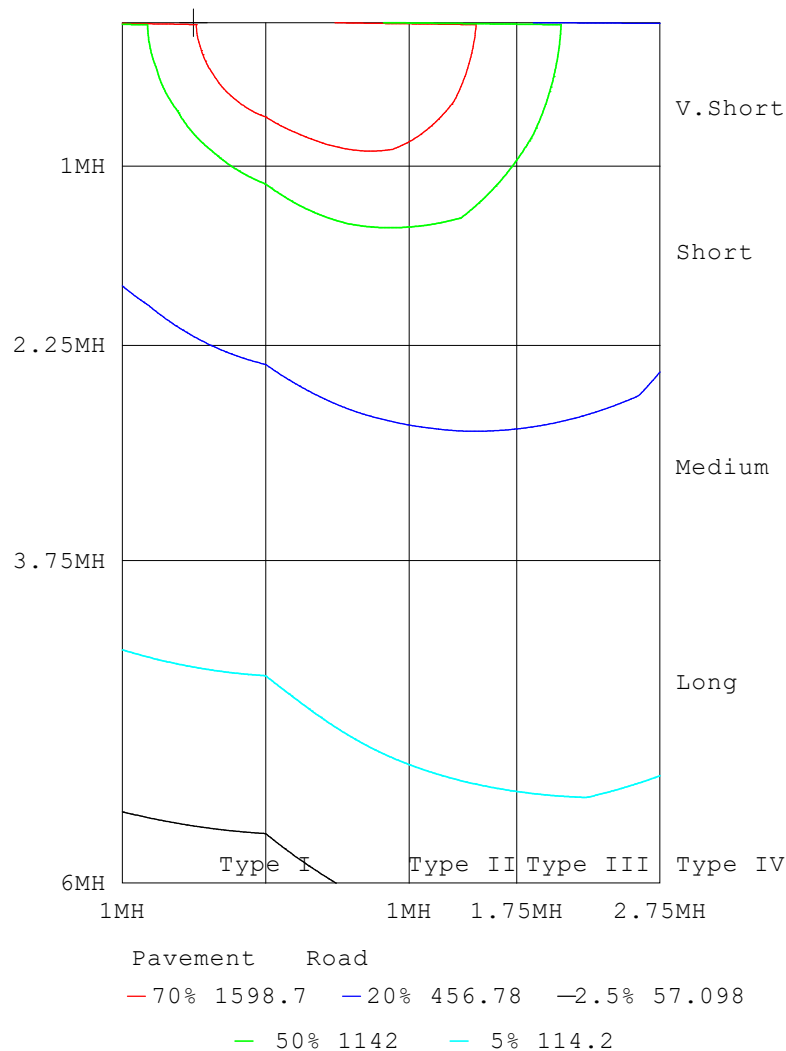
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz Lamp Flux:6025.06x1 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:275.79V I:0.1433A P:38.522W PF:0.9746 Freq:60.00Hz																	
Lamp Flux:6025.06x1 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	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128	2128			
5	2104	2125	2143	2160	2168	2170	2161	2147	2132	2111	2093	2079	2071	2071	2078	2089			
10	2059	2104	2144	2181	2210	2200	2177	2145	2114	2075	2039	2010	1996	1993	2007	2031			
15	1994	2063	2133	2197	2245	2223	2182	2126	2077	2016	1965	1919	1895	1891	1915	1951			
20	1910	2005	2109	2206	2268	2241	2175	2089	2020	1939	1868	1801	1771	1768	1801	1853			
25	1808	1933	2076	2207	2283	2250	2157	2036	1943	1841	1750	1666	1624	1619	1666	1734			
30	1690	1849	2033	2175	2283	2244	2128	1968	1848	1723	1611	1509	1463	1459	1515	1599			
35	1558	1748	1972	2141	2254	2219	2081	1886	1736	1590	1456	1346	1291	1288	1350	1449			
40	1414	1638	1892	2076	2187	2143	2015	1792	1608	1440	1291	1175	1125	1119	1180	1286			
45	1256	1515	1781	1964	2061	2040	1923	1682	1469	1279	1124	1015	965	952	1007	1117			
50	1090	1375	1644	1801	1881	1888	1800	1560	1318	1111	956	848	811	792	844	948			
55	916	1207	1472	1585	1640	1679	1644	1413	1156	944	799	701	669	649	687	781			
60	727	1006	1263	1329	1372	1427	1446	1236	982	775	646	563	516	507	541	615			
65	539	778	1018	1066	1092	1162	1211	1028	792	608	501	407	359	348	403	455			
70	359	547	742	771	769	881	951	795	601	449	361	260	218	210	250	303			
75	192	324	446	430	408	563	666	557	411	297	211	133	98.0	91.5	116	170			
80	56.6	126	155	131	133	233	351	330	233	163	88.2	37.7	17.0	12.2	25.1	51.4			
85	3.43	3.93	5.36	6.07	7.65	28.6	81.7	116	81.4	45.9	11.2	3.65	3.41	3.58	3.76	3.73			
90	3.12	2.39	1.92	1.64	1.78	2.12	2.68	3.32	4.42	3.57	3.51	3.53	3.71	4.10	4.20	3.77			
95	4.19	3.24	2.65	2.18	1.95	1.90	2.04	2.37	2.79	3.68	4.43	4.92	5.19	5.58	5.59	4.99			
100	5.39	4.24	3.52	2.94	2.69	2.62	2.81	3.22	3.77	4.87	5.81	6.48	6.84	7.23	7.09	6.32			
105	6.71	5.36	4.53	3.86	3.56	3.47	3.71	4.22	4.90	6.18	7.28	8.12	8.60	8.93	8.65	7.75			
110	8.13	6.59	5.64	4.88	4.57	4.45	4.74	5.33	6.15	7.60	8.79	9.79	10.4	10.6	10.2	9.26			
115	9.61	7.92	6.87	6.01	5.67	5.55	5.86	6.55	7.48	9.10	10.4	11.5	12.2	12.4	11.9	10.8			
120	11.1	9.31	8.20	7.26	6.90	6.75	7.12	7.86	8.91	10.7	12.0	13.3	14.0	14.2	13.6	12.4			
125	12.5	10.7	9.59	8.59	8.26	8.06	8.46	9.23	10.4	12.2	13.6	14.9	15.8	15.9	15.2	13.9			
130	13.8	12.0	10.9	9.95	9.64	9.42	9.80	10.6	11.8	13.7	15.1	16.4	17.2	17.3	16.5	15.1			
135	15.0	13.3	12.3	11.3	11.0	10.8	11.1	11.9	13.2	15.0	16.4	17.6	18.5	18.5	17.8	16.3			
140	16.1	14.5	13.5	12.6	12.4	12.1	12.4	13.1	14.5	16.3	17.7	18.8	19.6	19.6	18.9	17.4			
145	17.0	15.6	14.8	13.9	13.7	13.4	13.7	14.3	15.7	17.3	18.7	19.7	20.4	20.3	19.7	18.3			
150	17.9	16.7	16.0	15.2	15.0	14.7	15.0	15.5	16.8	18.3	19.5	20.5	21.1	21.0	20.4	19.1			
155	18.7	17.7	17.1	16.4	16.3	16.0	16.2	16.7	17.8	19.1	20.2	21.0	21.6	21.4	21.0	19.8			
160	19.5	18.7	18.3	17.6	17.5	17.3	17.4	17.8	18.7	19.7	20.6	21.3	21.8	21.6	21.3	20.2			
165	20.3	19.7	19.4	18.8	18.8	18.5	18.6	18.9	19.5	20.3	21.0	21.6	22.0	21.8	21.5	20.6			
170	21.0	20.6	20.4	19.9	19.9	19.8	19.8	20.0	20.4	20.9	21.4	21.8	22.1	21.9	21.7	21.0			
175	21.5	21.2	21.2	20.8	20.9	20.8	20.7	20.7	21.1	21.3	21.6	21.8	22.0	21.8	21.7	21.2			
180	21.5	21.4	21.7	21.6	21.8	21.6	21.4	21.3	21.6	21.6	21.6	21.7	21.8	21.6	21.6	21.2			

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: