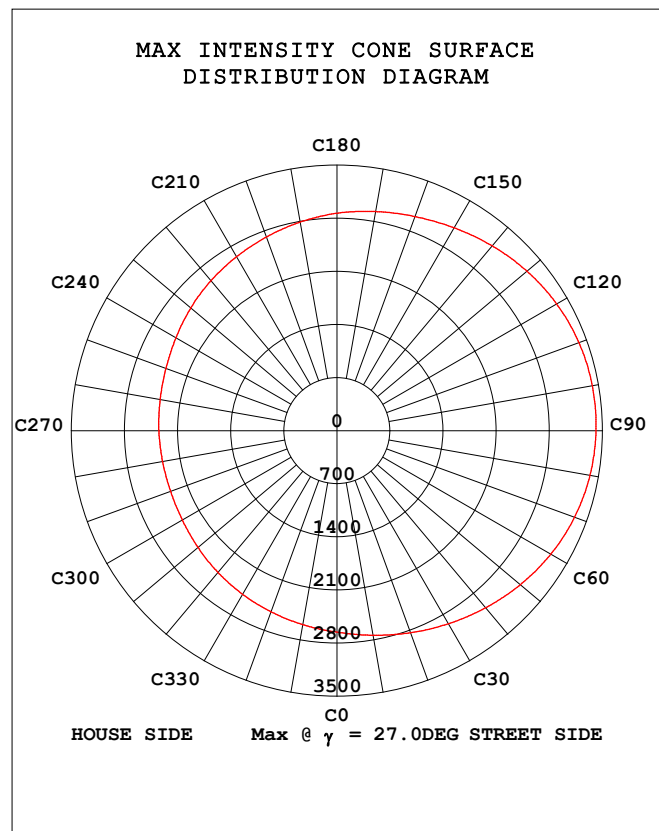
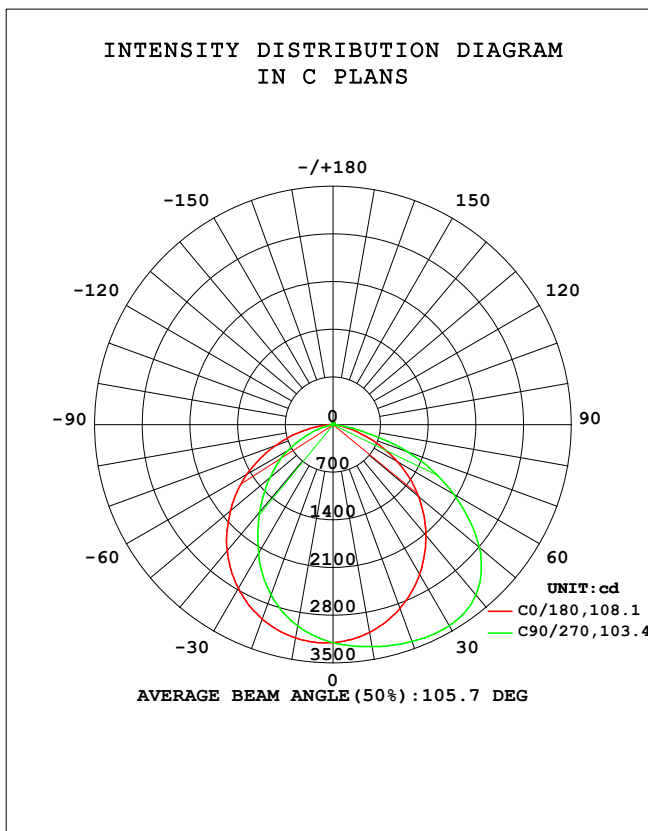


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.23 lm/W			
MODEL		I _{max} (cd)	3414	η street_up (%)	0.5
NOMINAL POWER(W)	60	LOR (%)	100.0	η street_down (%)	59.7
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	9048	η house_up (%)	0.6
NOMINAL FLUX(lm)	9047.86	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	

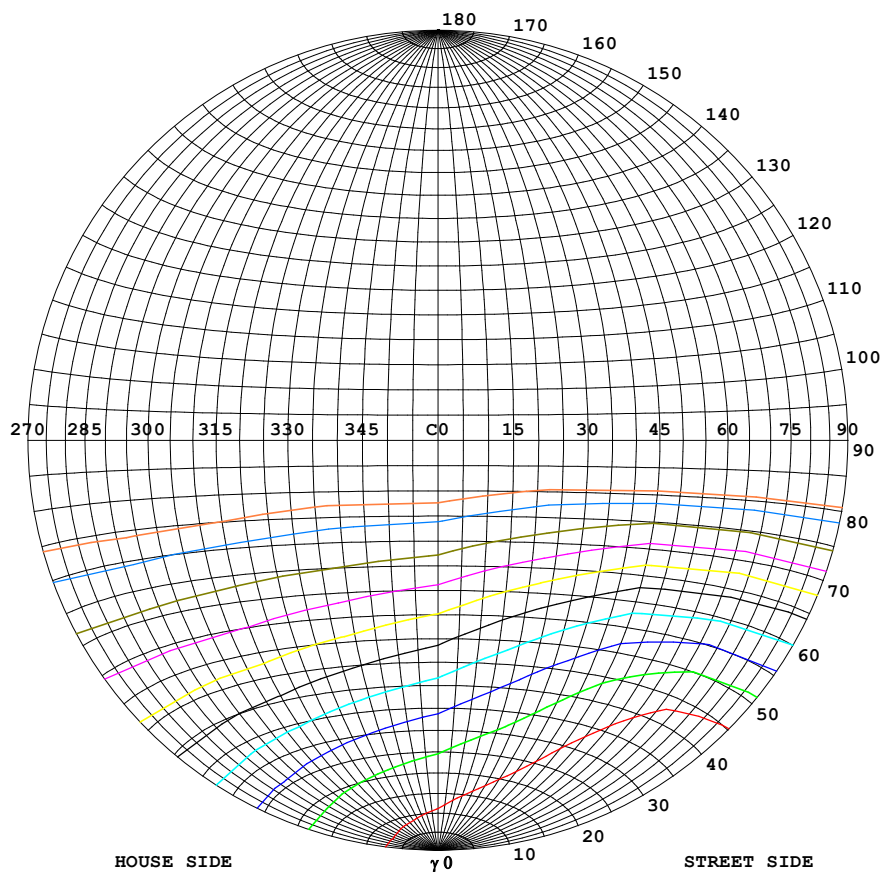


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

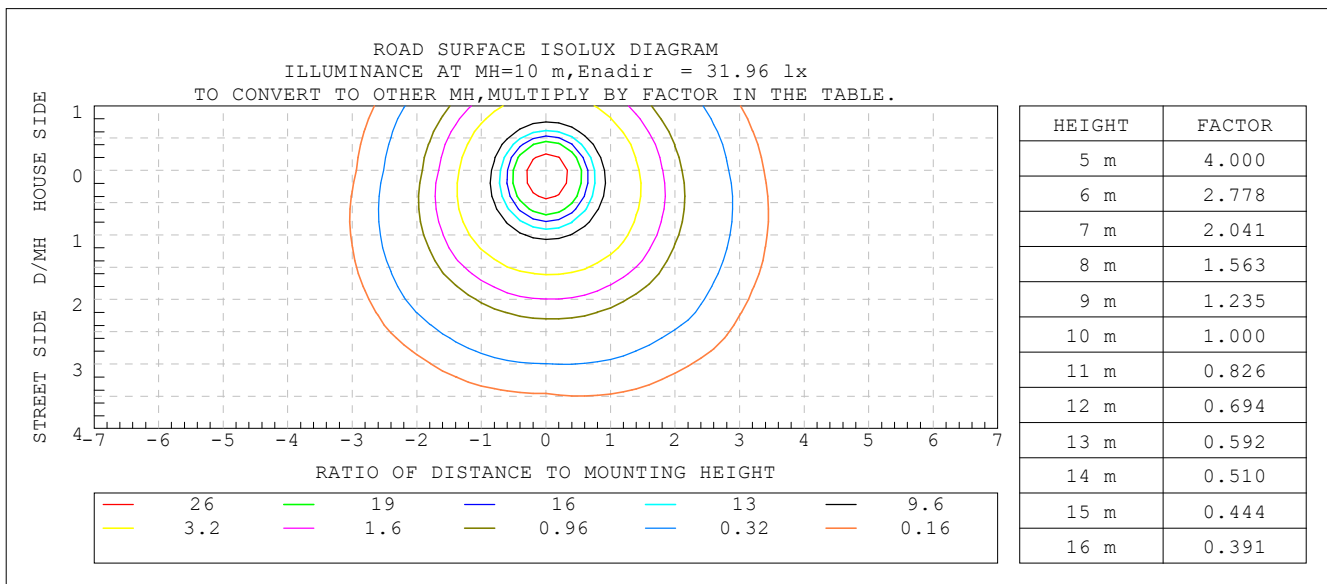
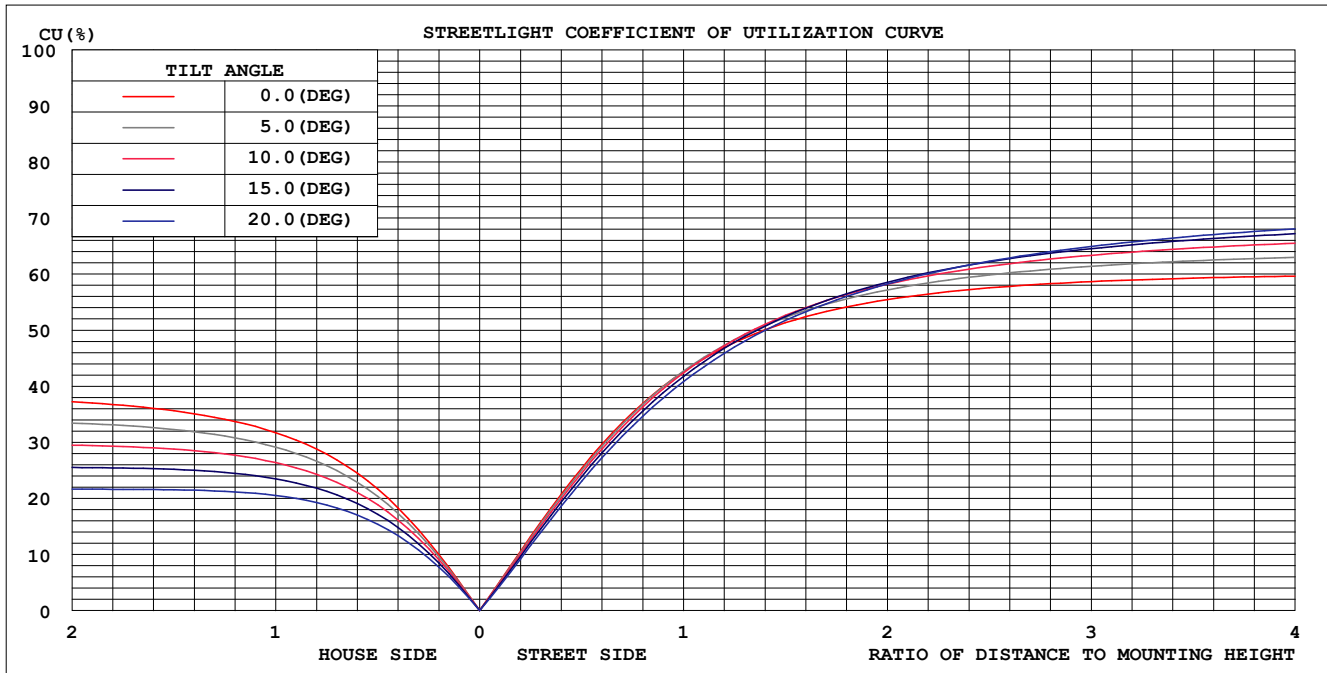
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.85cd/klm
Max.At90:0.7449cd/klm
Max.80-90:57.85cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3414
90%	3072
80%	2731
70%	2390
60%	2048
50%	1707
40%	1366
30%	1024
20%	683
10%	341
5%	171

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

gamma Range: 0 - 180DEG
gamma 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: 2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

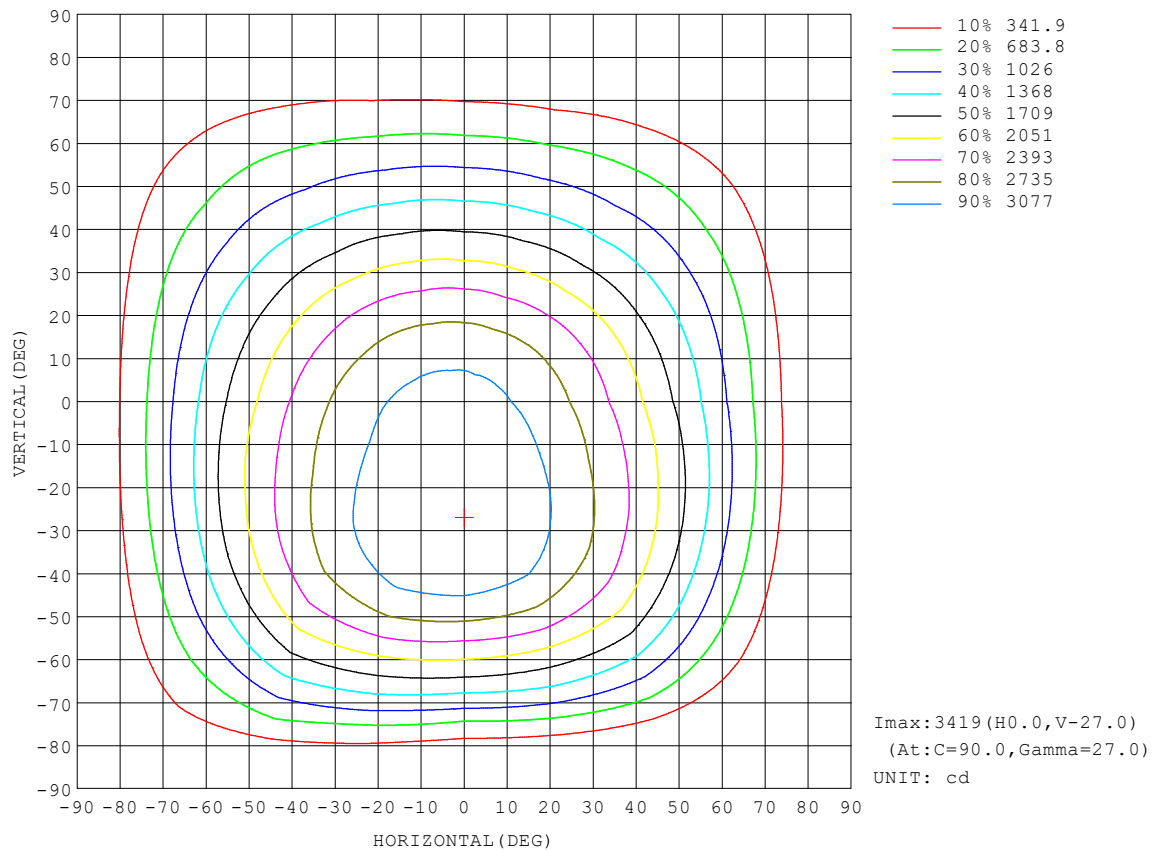
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3097	3226	3310	3275	3180	3069	3002	3019	0- 10	302.9	302.9	3.35,3.35
20	2874	3175	3388	3273	3040	2809	2662	2710	10- 20	869.7	1173	13,13
30	2542	3060	3409	3199	2780	2421	2187	2279	20- 30	1325	2498	27.6,27.6
40	2124	2846	3266	3033	2419	1927	1675	1758	30- 40	1608	4105	45.4,45.4
50	1641	2476	2805	2709	1968	1426	1207	1260	40- 50	1677	5782	63.9,63.9
60	1094	1896	2046	2175	1465	961.0	770.0	805.7	50- 60	1501	7283	80.5,80.5
70	535.8	1112	1152	1431	897.0	536.5	328.9	372.0	60- 70	1087	8371	92.5,92.5
80	86.18	228.0	197.8	523.4	346.9	131.2	25.54	37.61	70- 80	510.5	8881	98.2,98.2
90	4.761	2.798	2.624	4.061	6.740	5.162	5.455	6.289	80- 90	66.87	8948	98.9,98.9
100	8.185	5.127	3.958	4.238	5.764	8.550	10.07	10.64	90-100	5.988	8954	99,99
110	12.29	8.220	6.711	7.135	9.354	12.91	15.28	15.34	100-110	9.434	8963	99.1,99.1
120	16.80	11.93	10.13	10.69	13.63	17.69	20.63	20.33	110-120	12.90	8976	99.2,99.2
130	21.00	15.94	14.15	14.70	17.98	22.14	25.28	24.65	120-130	15.55	8992	99.4,99.4
140	24.39	19.71	18.13	18.58	22.08	25.91	28.75	28.16	130-140	16.48	9008	99.6,99.6
150	27.07	23.27	21.96	22.40	25.57	28.63	30.99	30.47	140-150	15.51	9024	99.7,99.7
160	29.58	26.64	25.76	26.08	28.45	30.29	32.05	31.72	150-160	12.72	9036	99.9,99.9
170	31.82	29.75	29.29	29.74	31.12	31.45	32.46	32.36	160-170	8.430	9045	100,100
180	32.62	31.67	32.09	32.16	32.95	31.75	31.91	32.11	170-180	3.000	9048	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:2025-08-13

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

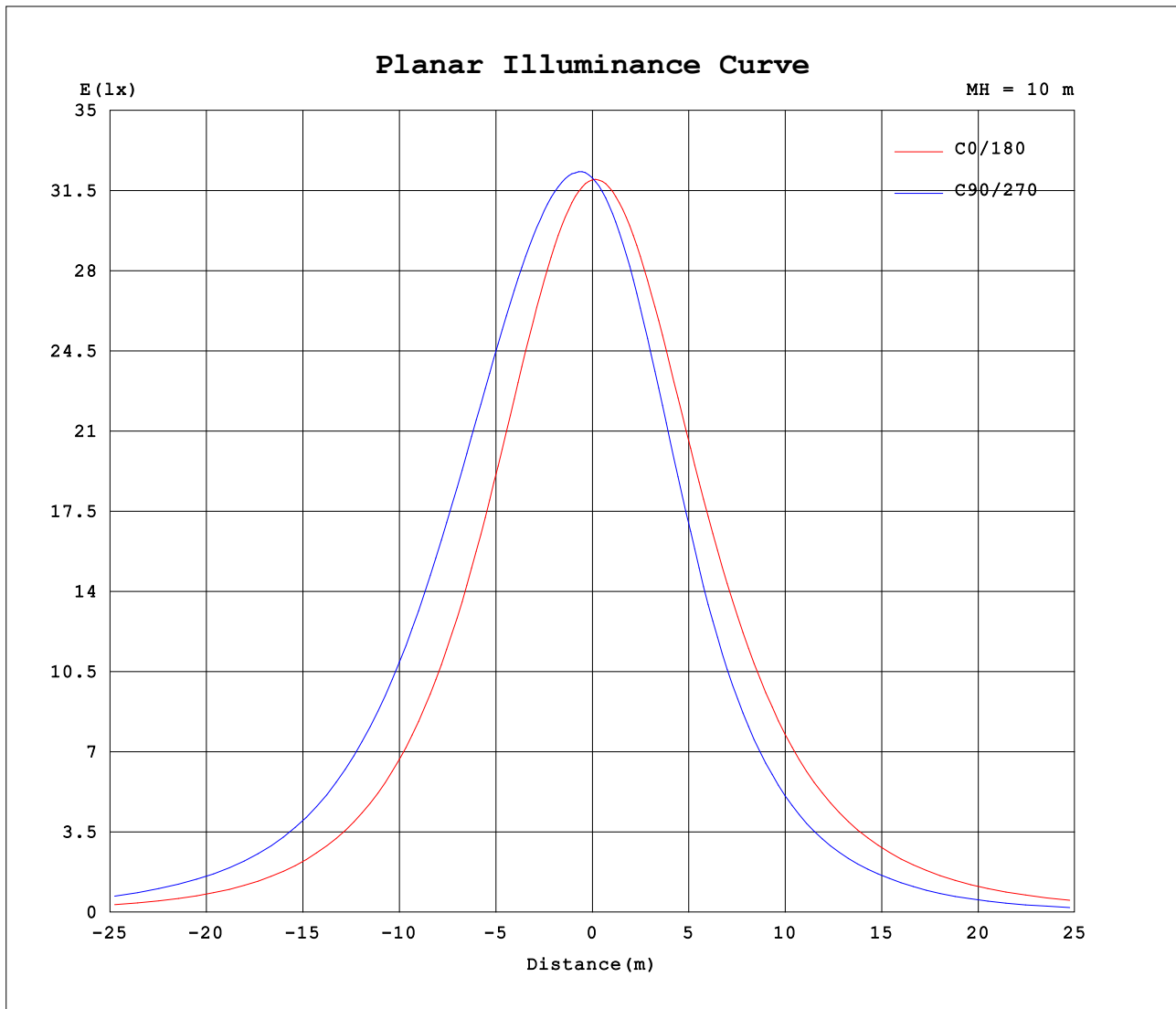
Test:U:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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



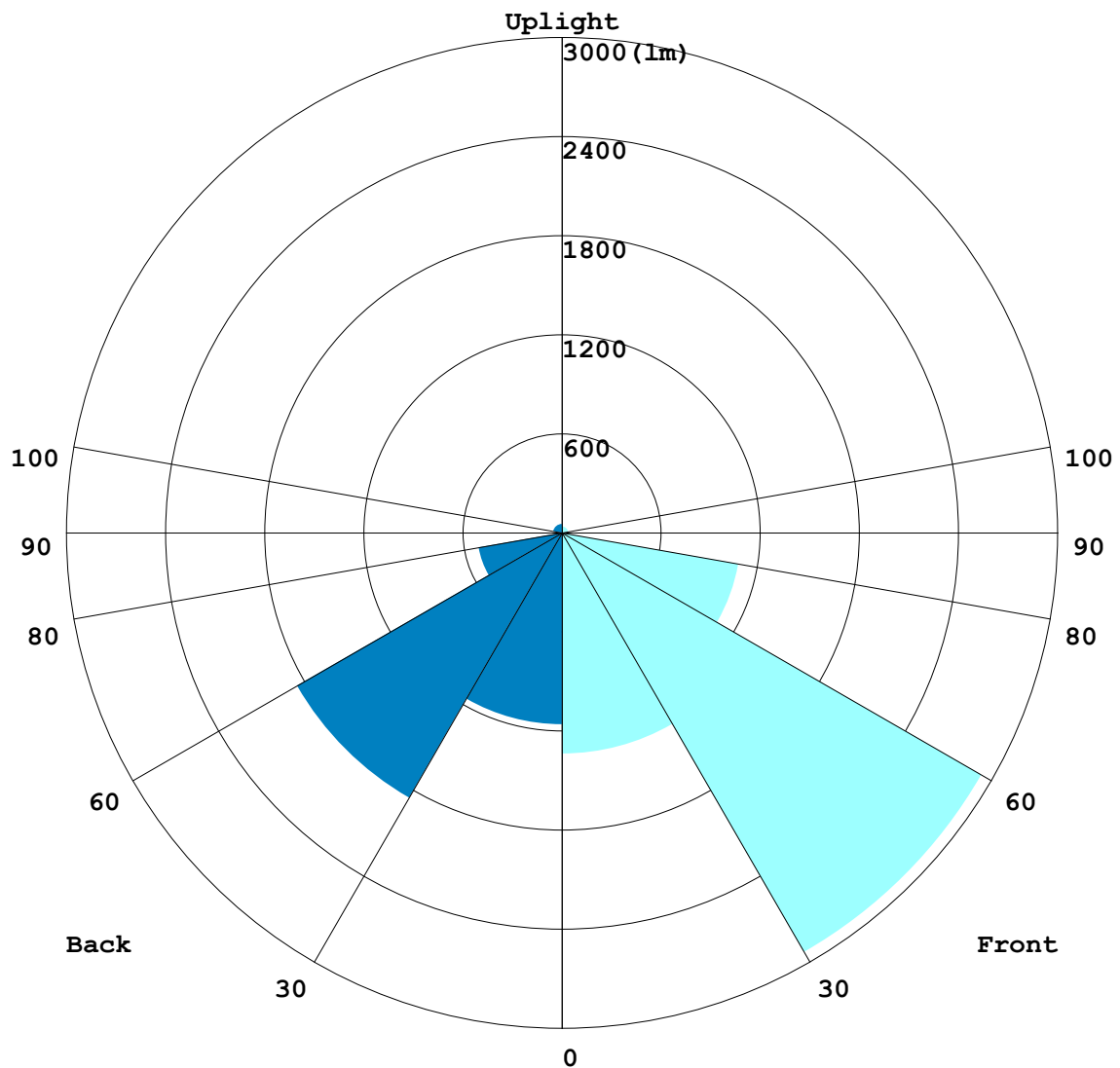
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 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:2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 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)	1337.2	14.8
FM - Front-Medium(30-60)	2932.4	32.4
FH - Front-High(60-80)	1085	12.0
FVH - Front-Very High(80-90)	45.123	0.5
Total Forward Light	5441.6	60.1

BL - Back-Low(0-30)	1160.4	12.8
BM - Back-Medium(30-60)	1853.5	20.5
BH - Back-High(60-80)	512.54	5.7
BVH - Back-Very High(80-90)	21.75	0.2
Total Back Light	3606.3	39.9

UL - Uplight-Low(90-100)	5.9875	0.1
UH - Uplight-High(100-180)	94.014	1.0
Total Up Light	100	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3548.1	58.145	3606.3
Street Side	5399.7	41.857	5441.6

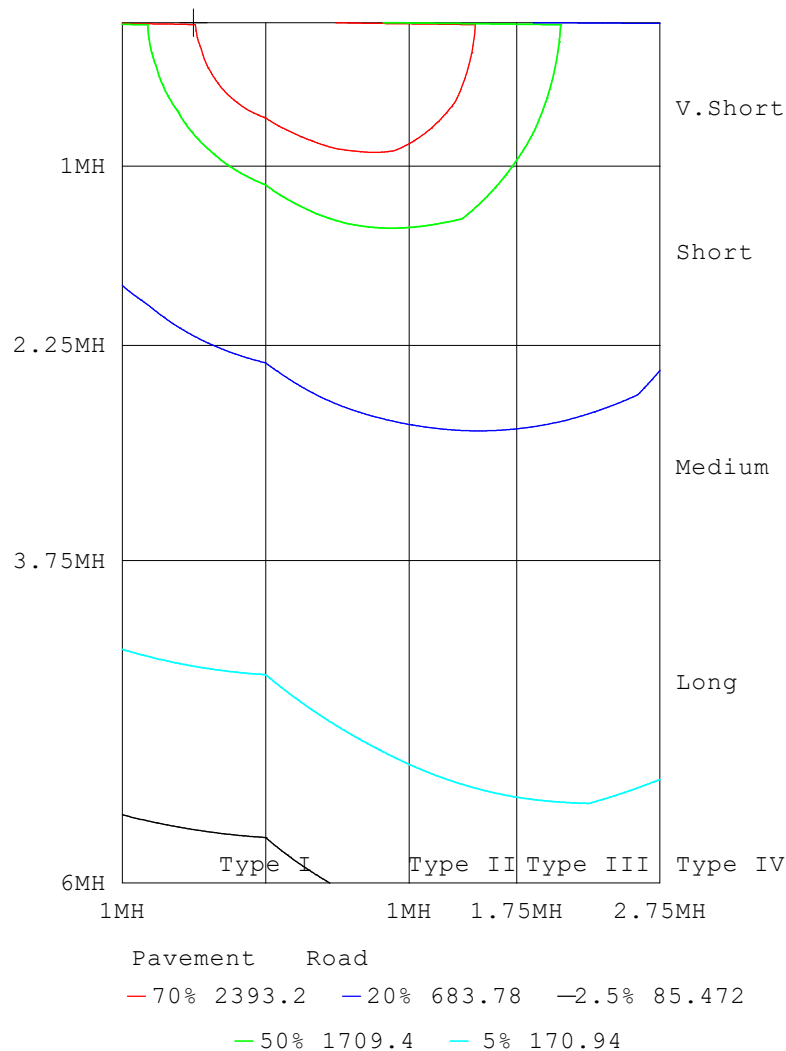
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 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:2025-08-13

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:275.45V I:0.2074A P:56.470W PF:0.9886 Freq:60.00Hz Lamp Flux:9047.86x1 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	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201	3201			
5	3166	3196	3225	3250	3260	3263	3250	3228	3206	3175	3149	3128	3117	3112	3124	3141			
10	3097	3163	3226	3282	3310	3308	3275	3226	3180	3118	3069	3024	3002	2995	3019	3053			
15	3000	3102	3209	3305	3353	3343	3282	3197	3125	3033	2956	2884	2850	2842	2881	2934			
20	2874	3017	3175	3319	3388	3370	3273	3141	3040	2916	2809	2709	2662	2654	2710	2786			
25	2720	2908	3126	3322	3411	3386	3246	3063	2924	2767	2629	2501	2442	2433	2507	2606			
30	2542	2780	3060	3300	3409	3376	3199	2959	2780	2592	2421	2269	2187	2191	2279	2405			
35	2341	2629	2969	3250	3369	3338	3131	2837	2613	2390	2178	2021	1927	1935	2013	2176			
40	2124	2467	2846	3149	3266	3252	3033	2695	2419	2167	1927	1765	1675	1680	1758	1933			
45	1890	2281	2685	2980	3081	3096	2896	2532	2199	1922	1676	1524	1437	1439	1504	1680			
50	1641	2054	2476	2731	2805	2861	2709	2349	1968	1670	1426	1284	1207	1199	1260	1423			
55	1377	1803	2214	2400	2441	2544	2468	2109	1726	1419	1191	1062	997	980	1027	1174			
60	1094	1502	1896	1999	2046	2142	2175	1845	1465	1168	961	847	770	762	806	921			
65	807	1164	1526	1601	1627	1748	1820	1536	1183	910	747	611	535	523	600	679			
70	536	816	1112	1155	1152	1320	1431	1186	897	670	537	392	329	315	372	454			
75	287	483	662	647	608	844	1001	831	615	444	316	201	146	136	173	254			
80	86.2	193	228	219	198	365	523	493	347	245	131	57.9	25.5	17.6	37.6	78.5			
85	5.16	5.86	7.81	9.15	11.5	43.0	111	186	121	73.3	16.8	5.43	5.03	5.36	5.65	5.62			
90	4.76	3.55	2.80	2.45	2.62	3.19	4.06	4.99	6.74	5.31	5.16	5.22	5.45	6.12	6.29	5.69			
95	6.37	4.84	3.85	3.19	2.87	2.82	3.09	3.57	4.26	5.50	6.48	7.22	7.65	8.30	8.39	7.53			
100	8.18	6.33	5.13	4.33	3.96	3.88	4.24	4.85	5.76	7.27	8.55	9.52	10.1	10.8	10.6	9.53			
105	10.2	8.01	6.59	5.65	5.25	5.14	5.60	6.33	7.48	9.21	10.7	11.9	12.7	13.3	13.0	11.6			
110	12.3	9.86	8.22	7.15	6.71	6.59	7.14	8.00	9.35	11.3	12.9	14.4	15.3	15.9	15.3	13.9			
115	14.5	11.9	10.0	8.81	8.33	8.21	8.82	9.83	11.5	13.5	15.2	16.9	18.0	18.5	17.9	16.3			
120	16.8	13.9	11.9	10.6	10.1	10.0	10.7	11.8	13.6	15.8	17.7	19.5	20.6	21.1	20.3	18.6			
125	19.0	16.0	13.9	12.6	12.1	11.9	12.7	13.9	15.9	18.1	20.0	21.9	23.2	23.6	22.7	20.8			
130	21.0	18.0	15.9	14.6	14.1	13.9	14.7	15.9	18.0	20.3	22.1	24.1	25.3	25.7	24.6	22.7			
135	22.8	19.9	17.8	16.6	16.1	15.9	16.7	17.8	20.1	22.3	24.1	26.0	27.1	27.6	26.5	24.4			
140	24.4	21.7	19.7	18.5	18.1	17.9	18.6	19.7	22.1	24.1	25.9	27.7	28.7	29.2	28.2	26.1			
145	25.8	23.4	21.5	20.4	20.1	19.9	20.5	21.5	23.9	25.7	27.4	29.0	30.0	30.3	29.4	27.4			
150	27.1	25.0	23.3	22.2	22.0	21.8	22.4	23.3	25.6	27.1	28.6	30.2	31.0	31.3	30.5	28.7			
155	28.3	26.6	25.0	24.0	23.9	23.7	24.2	25.0	27.1	28.3	29.6	31.0	31.7	31.9	31.3	29.7			
160	29.6	28.1	26.6	25.8	25.8	25.6	26.1	26.7	28.4	29.2	30.3	31.5	32.0	32.3	31.7	30.3			
165	30.8	29.6	28.3	27.6	27.5	27.4	27.9	28.5	29.8	30.1	30.9	31.8	32.3	32.5	32.0	30.9			
170	31.8	31.0	29.8	29.2	29.3	29.3	29.7	30.0	31.1	30.9	31.5	32.2	32.5	32.7	32.4	31.6			
175	32.5	31.9	30.8	30.5	30.7	30.8	31.1	31.2	32.3	31.6	31.7	32.2	32.2	32.6	32.4	31.8			
180	32.6	32.2	31.7	31.7	32.1	32.1	32.2	32.0	32.9	31.9	31.7	32.0	31.9	32.3	32.1	31.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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: