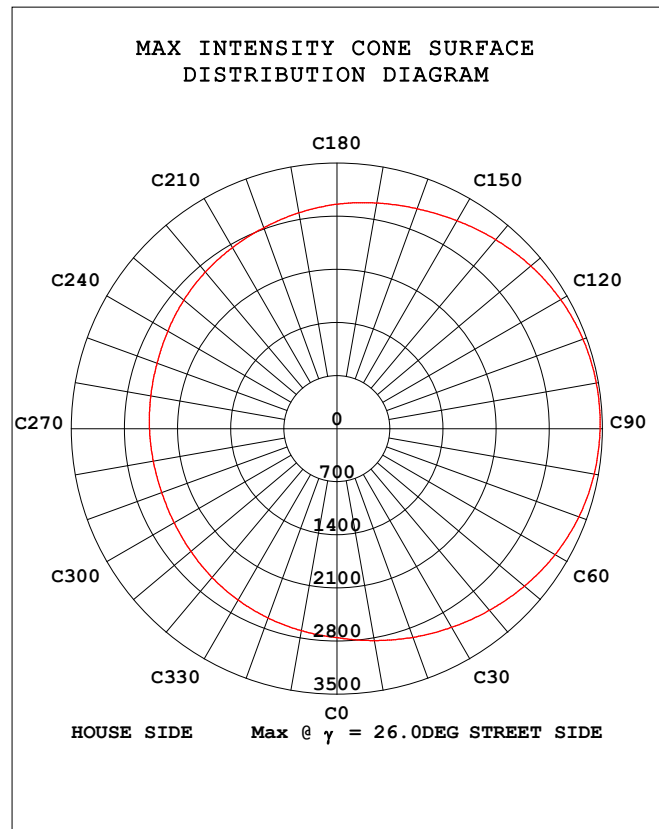
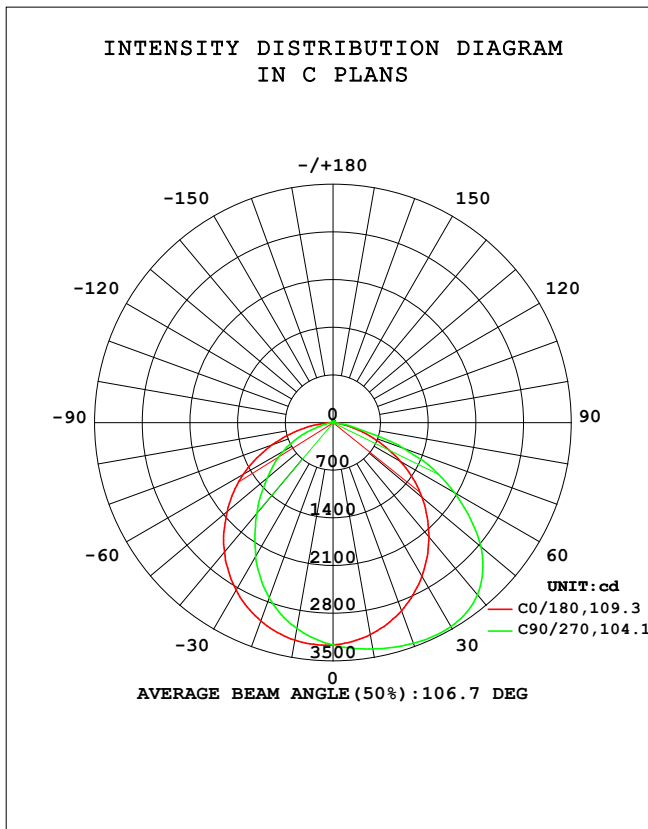


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.60 lm/W			
MODEL		Imax(cd)	3468	η street_up(%)	0.5
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	58.9
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	9276	η house_up(%)	0.6
NOMINAL FLUX(lm)	9276.05	MAXIMUM @ (C, γ)	90,26.0	η house_down(%)	40.0
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

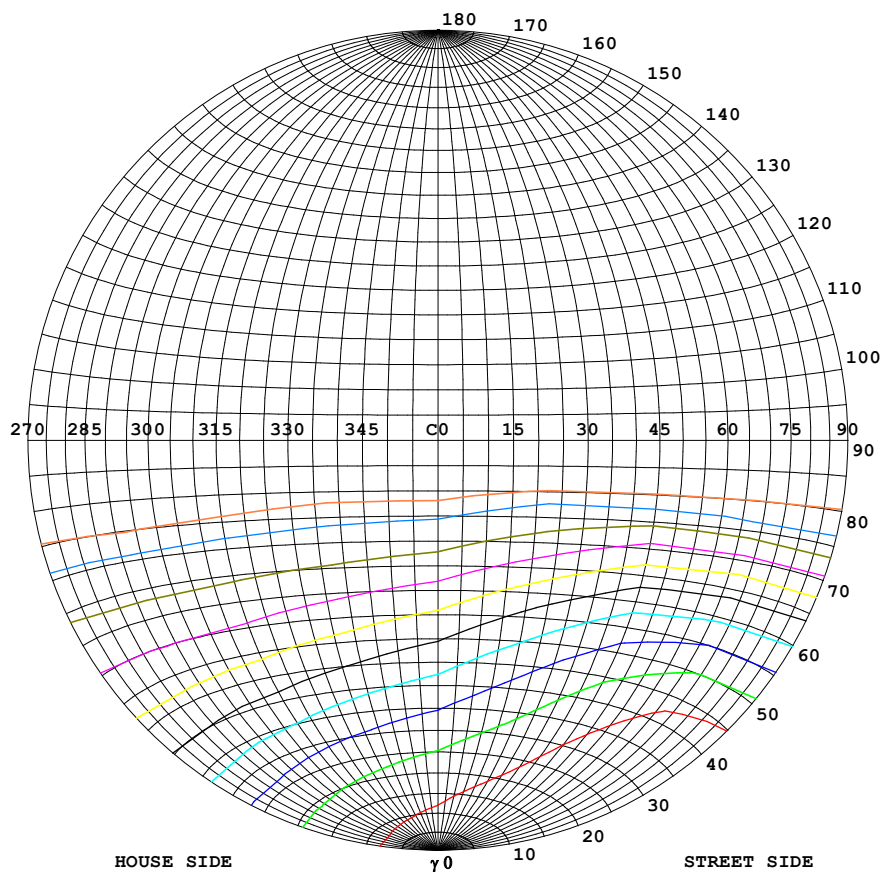


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

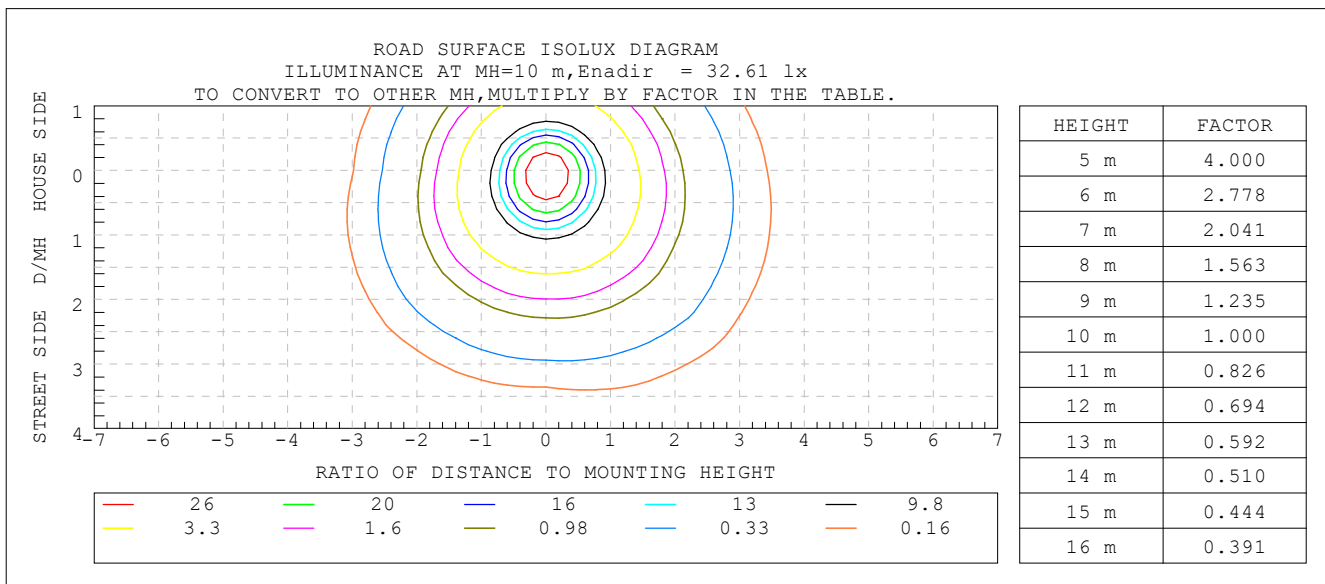
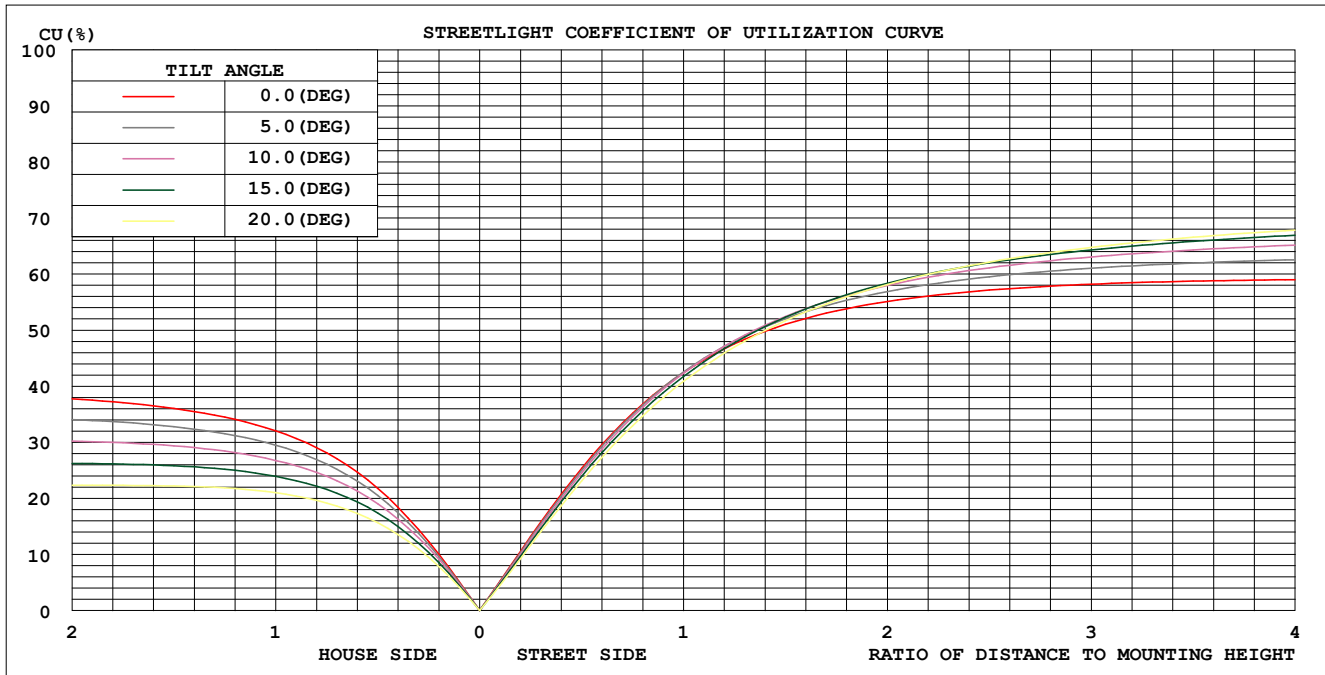
IES:Type III - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:55.32cd/klm
Max.At90:0.7124cd/klm
Max.80-90:55.32cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3468
90%	3121
80%	2774
70%	2427
60%	2081
50%	1734
40%	1387
30%	1040
20%	694
10%	347
5%	173

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:

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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

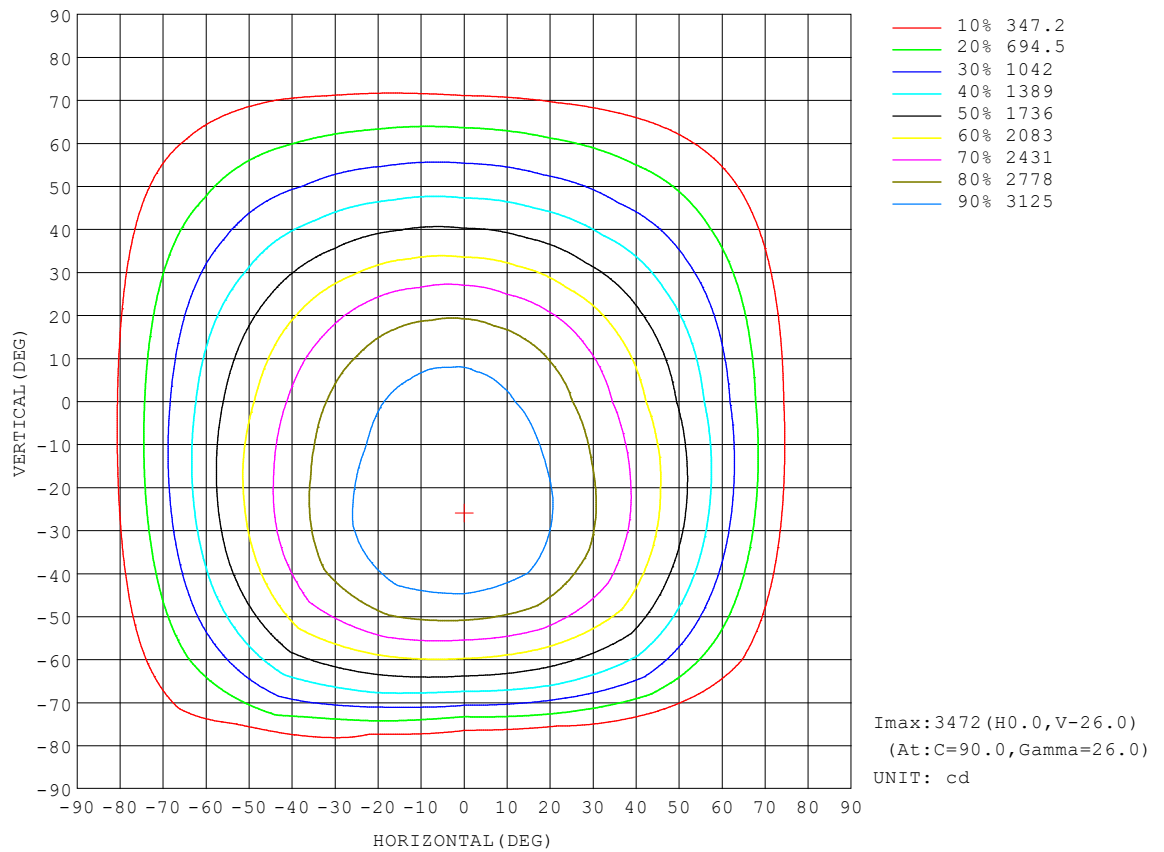
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3161	3290	3374	3338	3244	3133	3068	3086	0- 10	309.0	309.0	3.33,3.33
20	2940	3240	3449	3333	3100	2882	2741	2782	10- 20	888.6	1198	12.9,12.9
30	2610	3120	3459	3258	2843	2501	2277	2355	20- 30	1356	2554	27.5,27.5
40	2193	2897	3302	3082	2482	1999	1745	1828	30- 40	1648	4201	45.3,45.3
50	1706	2514	2834	2744	2029	1495	1260	1322	40- 50	1720	5921	63.8,63.8
60	1149	1932	2062	2203	1525	1012	855.9	853.3	50- 60	1545	7466	80.5,80.5
70	573.9	1128	1101	1446	945.3	591.4	405.8	431.4	60- 70	1130	8596	92.7,92.7
80	101.0	177.7	188.6	431.2	378.0	162.4	40.24	55.45	70- 80	514.0	9110	98.2,98.2
90	4.939	3.091	2.662	3.682	6.608	5.446	5.321	6.095	80- 90	64.06	9174	98.9,98.9
100	8.441	5.586	4.196	4.381	5.908	8.888	9.996	10.44	90-100	6.114	9180	99,99
110	12.62	8.852	6.963	7.269	9.594	13.45	15.31	15.07	100-110	9.649	9190	99.1,99.1
120	17.17	12.76	10.42	10.81	13.87	18.42	20.70	20.02	110-120	13.17	9203	99.2,99.2
130	21.46	16.89	14.40	14.78	18.27	23.17	25.54	24.35	120-130	15.86	9219	99.4,99.4
140	24.86	20.80	18.33	18.60	22.37	27.14	29.06	27.83	130-140	16.79	9236	99.6,99.6
150	27.58	24.48	22.14	22.32	25.82	29.97	31.40	30.13	140-150	15.79	9252	99.7,99.7
160	30.16	28.01	25.87	25.94	28.71	31.67	32.49	31.34	150-160	12.93	9264	99.9,99.9
170	32.47	31.25	29.41	29.58	31.34	32.86	32.92	31.94	160-170	8.567	9273	100,100
180	33.30	33.22	32.12	31.93	33.07	33.13	32.50	31.68	170-180	3.048	9276	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

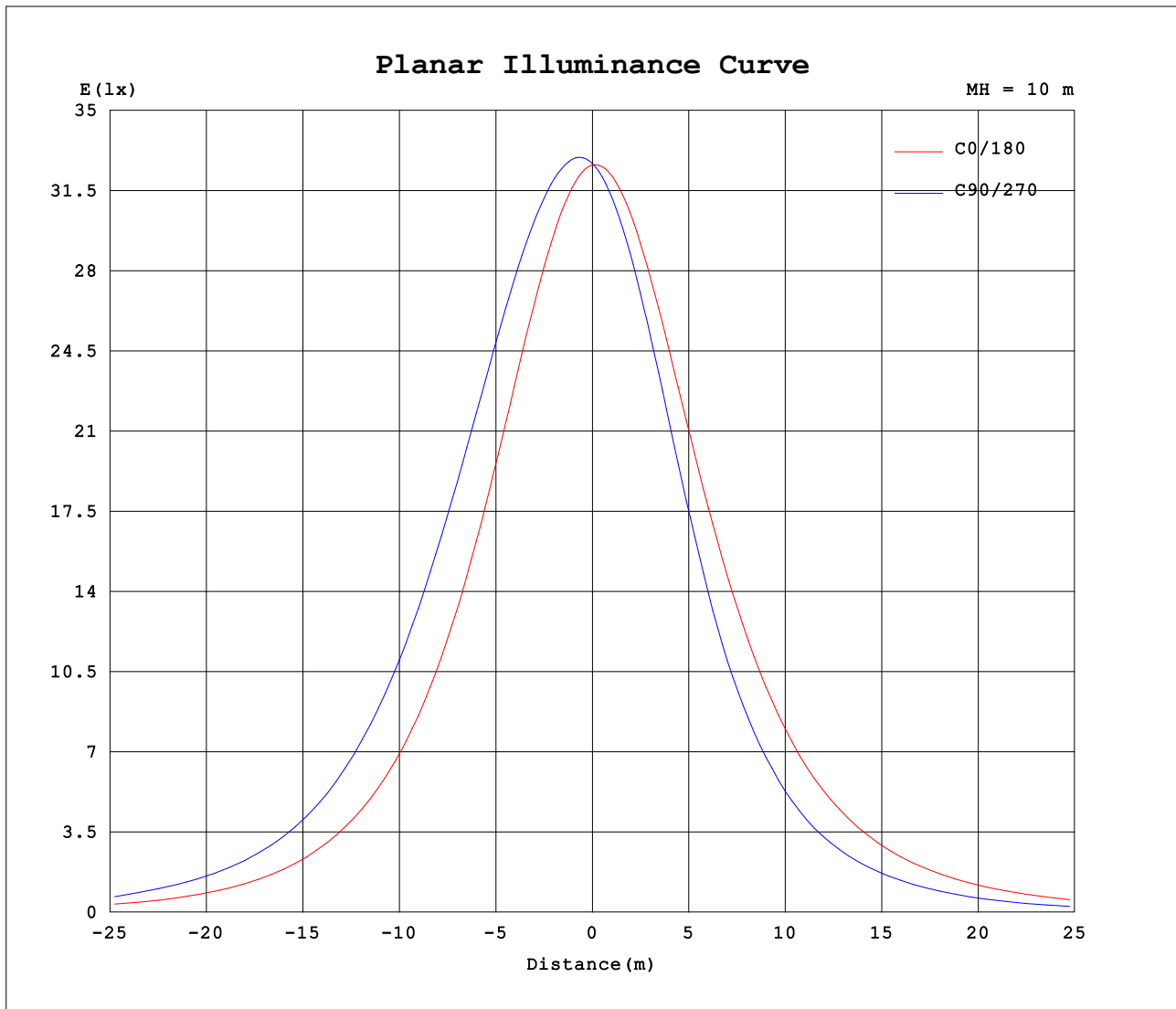
Test:U:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



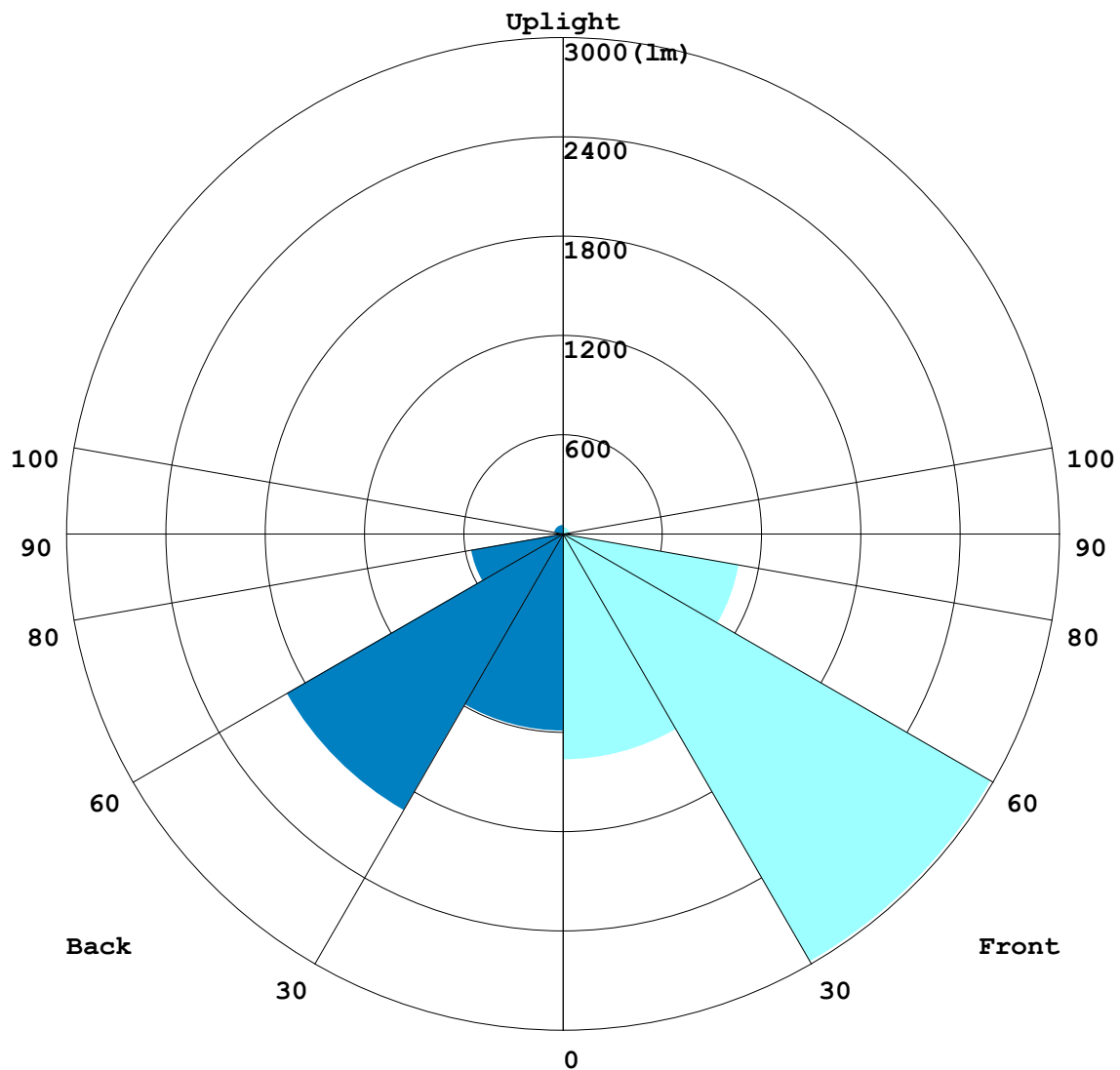
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 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)	1363.4	14.7
FM - Front-Medium(30-60)	2984.2	32.2
FH - Front-High(60-80)	1078.8	11.6
FVH - Front-Very High(80-90)	38.445	0.4
Total Forward Light	5508	59.4

BL - Back-Low(0-30)	1190.4	12.8
BM - Back-Medium(30-60)	1928.4	20.8
BH - Back-High(60-80)	564.83	6.1
BVH - Back-Very High(80-90)	25.611	0.3
Total Back Light	3768.1	40.6

UL - Uplight-Low(90-100)	6.1137	0.1
UH - Uplight-High(100-180)	95.803	1.0
Total Up Light	101.92	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3709.2	58.886	3768.1
Street Side	5464.9	43.031	5508

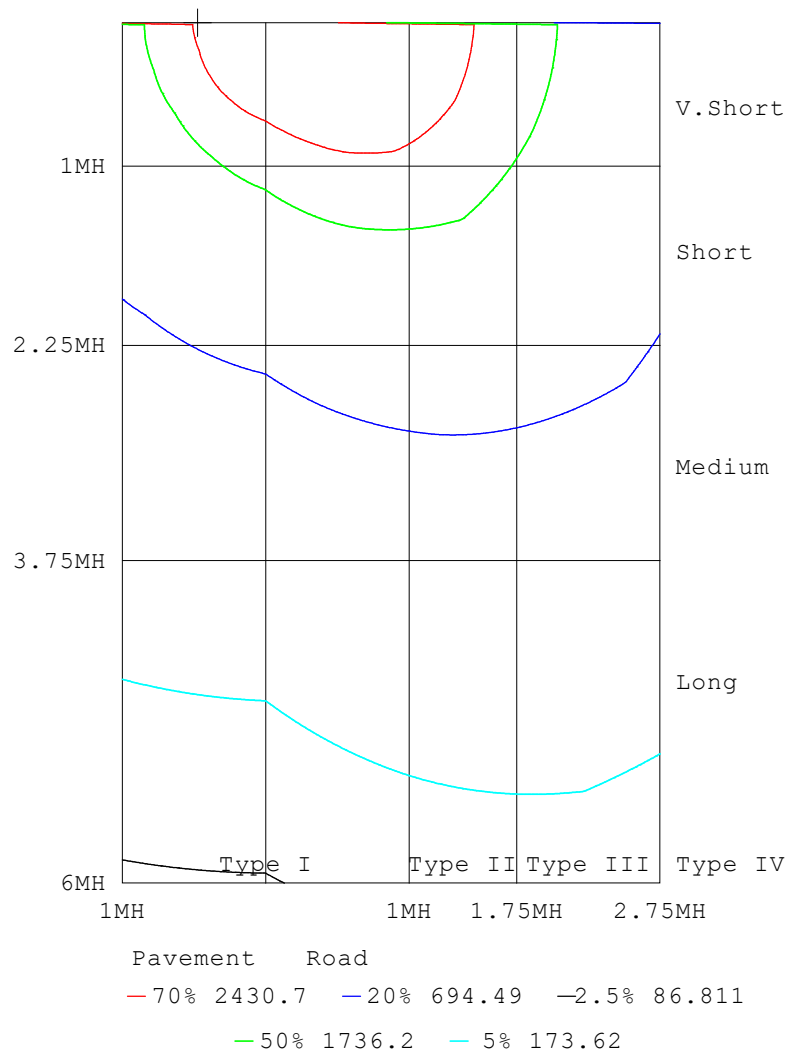
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 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:275.43V I:0.2133A P:58.120W PF:0.9893 Freq:60.00Hz Lamp Flux:9276.05x1 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	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264	3264			
5	3227	3260	3288	3314	3325	3325	3313	3290	3268	3240	3214	3192	3180	3177	3188	3206			
10	3161	3228	3290	3346	3374	3371	3338	3289	3244	3183	3133	3090	3068	3064	3086	3118			
15	3065	3169	3271	3368	3416	3406	3345	3260	3186	3098	3025	2958	2923	2914	2950	3002			
20	2940	3083	3240	3381	3449	3431	3333	3204	3100	2983	2882	2786	2741	2732	2782	2855			
25	2786	2975	3188	3382	3468	3442	3305	3123	2987	2836	2708	2580	2521	2510	2583	2679			
30	2610	2846	3120	3353	3459	3429	3258	3024	2843	2664	2501	2347	2277	2269	2355	2474			
35	2410	2695	3025	3295	3410	3382	3186	2898	2676	2461	2269	2093	1999	2008	2085	2253			
40	2193	2530	2897	3189	3302	3289	3082	2755	2482	2239	1999	1837	1745	1749	1828	2004			
45	1956	2341	2727	3010	3108	3125	2939	2587	2272	1996	1747	1590	1497	1502	1571	1746			
50	1706	2109	2514	2763	2834	2889	2744	2398	2029	1742	1495	1339	1260	1252	1322	1492			
55	1437	1854	2250	2428	2465	2568	2500	2156	1787	1486	1254	1116	1053	1036	1080	1235			
60	1149	1544	1932	2020	2062	2167	2203	1887	1525	1229	1012	903	856	826	853	977			
65	852	1202	1553	1613	1630	1759	1842	1571	1239	969	794	695	631	606	648	725			
70	574	847	1128	1117	1101	1298	1446	1220	945	714	591	475	406	387	431	489			
75	315	507	623	498	443	759	992	858	654	477	373	241	185	165	218	281			
80	101	190	178	175	189	275	431	513	378	268	162	82.2	40.2	26.7	55.4	98.3			
85	5.30	5.31	6.58	6.93	7.89	12.4	104	156	141	84.8	25.3	6.11	5.37	5.55	5.86	5.96			
90	4.94	3.81	3.09	2.64	2.66	2.96	3.68	4.53	6.61	5.73	5.45	5.21	5.32	5.86	6.09	5.76			
95	6.59	5.15	4.23	3.50	3.09	2.97	3.22	3.73	4.39	5.73	6.73	7.26	7.50	8.02	8.19	7.62			
100	8.44	6.70	5.59	4.69	4.20	4.05	4.38	5.03	5.91	7.57	8.89	9.64	10.00	10.4	10.4	9.65			
105	10.5	8.44	7.13	6.08	5.50	5.31	5.74	6.53	7.65	9.59	11.1	12.2	12.7	13.0	12.7	11.8			
110	12.6	10.3	8.85	7.64	6.96	6.76	7.27	8.22	9.59	11.7	13.4	14.7	15.3	15.5	15.1	14.1			
115	14.9	12.4	10.7	9.37	8.60	8.37	8.96	10.1	11.7	14.1	15.9	17.3	18.0	18.1	17.6	16.5			
120	17.2	14.6	12.8	11.3	10.4	10.1	10.8	12.1	13.9	16.5	18.4	19.9	20.7	20.7	20.0	18.9			
125	19.4	16.7	14.8	13.3	12.4	12.1	12.8	14.1	16.1	18.9	20.9	22.5	23.3	23.2	22.4	21.1			
130	21.5	18.7	16.9	15.4	14.4	14.0	14.8	16.1	18.3	21.1	23.2	24.7	25.5	25.3	24.3	23.0			
135	23.2	20.6	18.9	17.4	16.4	16.0	16.7	18.0	20.4	23.2	25.2	26.7	27.4	27.2	26.1	24.8			
140	24.9	22.4	20.8	19.4	18.3	17.9	18.6	19.9	22.4	25.1	27.1	28.4	29.1	28.8	27.8	26.5			
145	26.3	24.2	22.7	21.3	20.3	19.9	20.5	21.7	24.1	26.7	28.7	29.8	30.4	30.0	29.1	27.8			
150	27.6	25.8	24.5	23.2	22.1	21.7	22.3	23.4	25.8	28.2	30.0	31.0	31.4	30.9	30.1	29.1			
155	28.9	27.4	26.3	25.1	24.1	23.6	24.1	25.1	27.4	29.4	31.0	31.8	32.1	31.5	30.9	30.1			
160	30.2	29.0	28.0	26.9	25.9	25.5	25.9	26.9	28.7	30.3	31.7	32.3	32.5	31.9	31.3	30.8			
165	31.4	30.5	29.7	28.7	27.7	27.4	27.8	28.5	30.0	31.2	32.3	32.7	32.7	32.1	31.6	31.4			
170	32.5	31.9	31.2	30.5	29.4	29.2	29.6	30.1	31.3	32.1	32.9	33.0	32.9	32.3	31.9	32.0			
175	33.2	32.8	32.4	31.9	30.8	30.7	30.9	31.2	32.5	32.8	33.2	33.0	32.7	32.1	31.9	32.3			
180	33.3	33.0	33.2	33.1	32.1	32.0	31.9	31.9	33.1	33.2	33.1	32.8	32.5	31.8	31.7	32.2			

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: