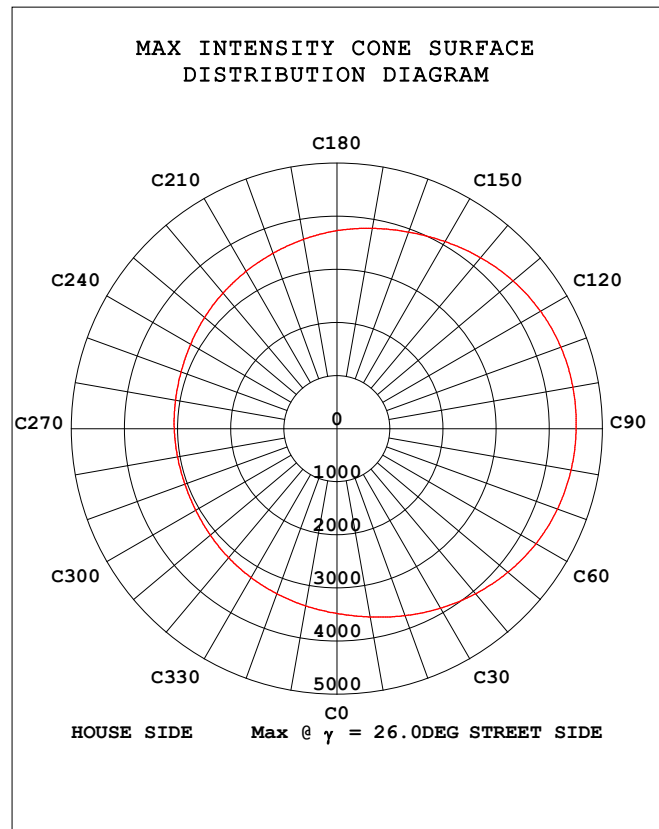
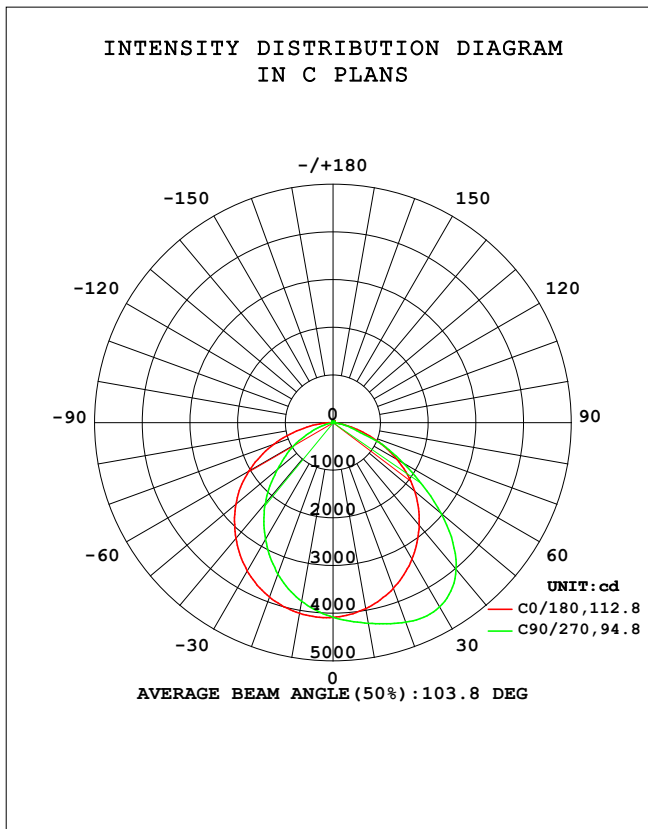


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.54 lm/W			
MODEL		I _{max} (cd)	4504	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.1
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	11369	η house_up (%)	0.6
NOMINAL FLUX (lm)	11369.1	MAXIMUM @ (C, γ)	90, 26.0	η house_down (%)	40.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

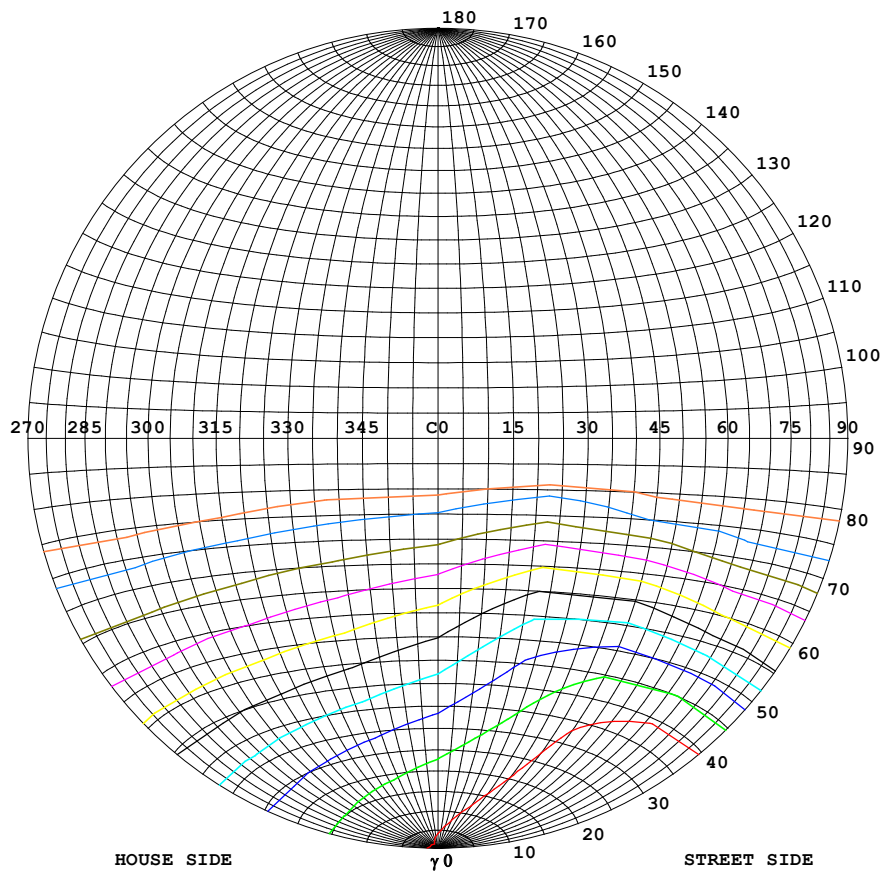


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

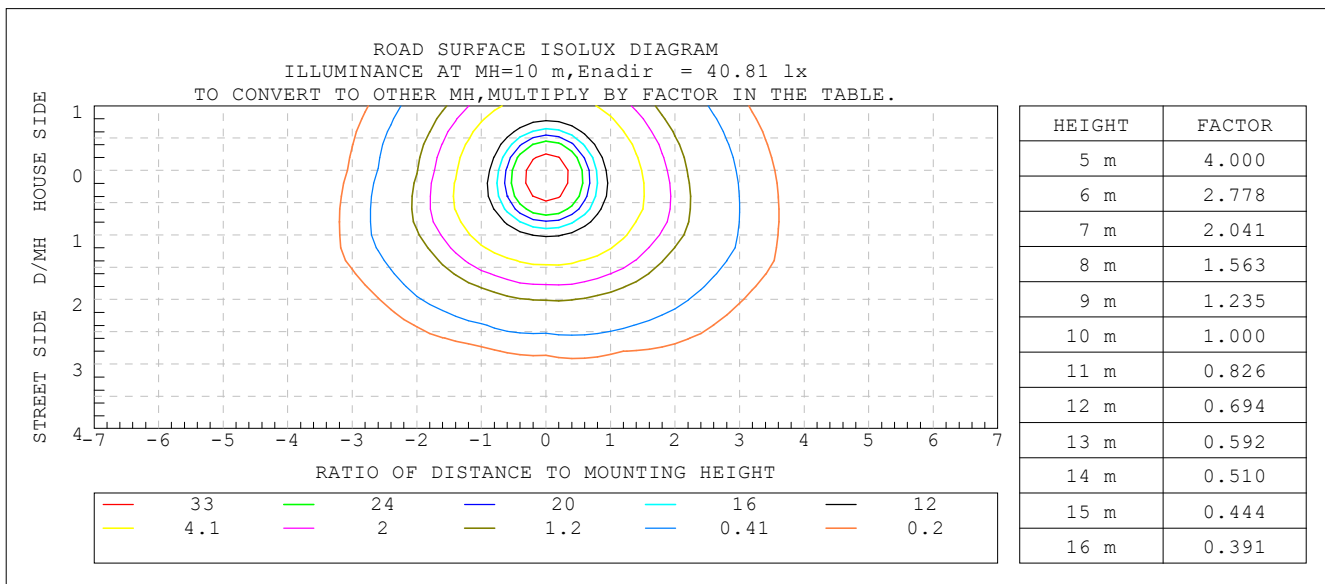
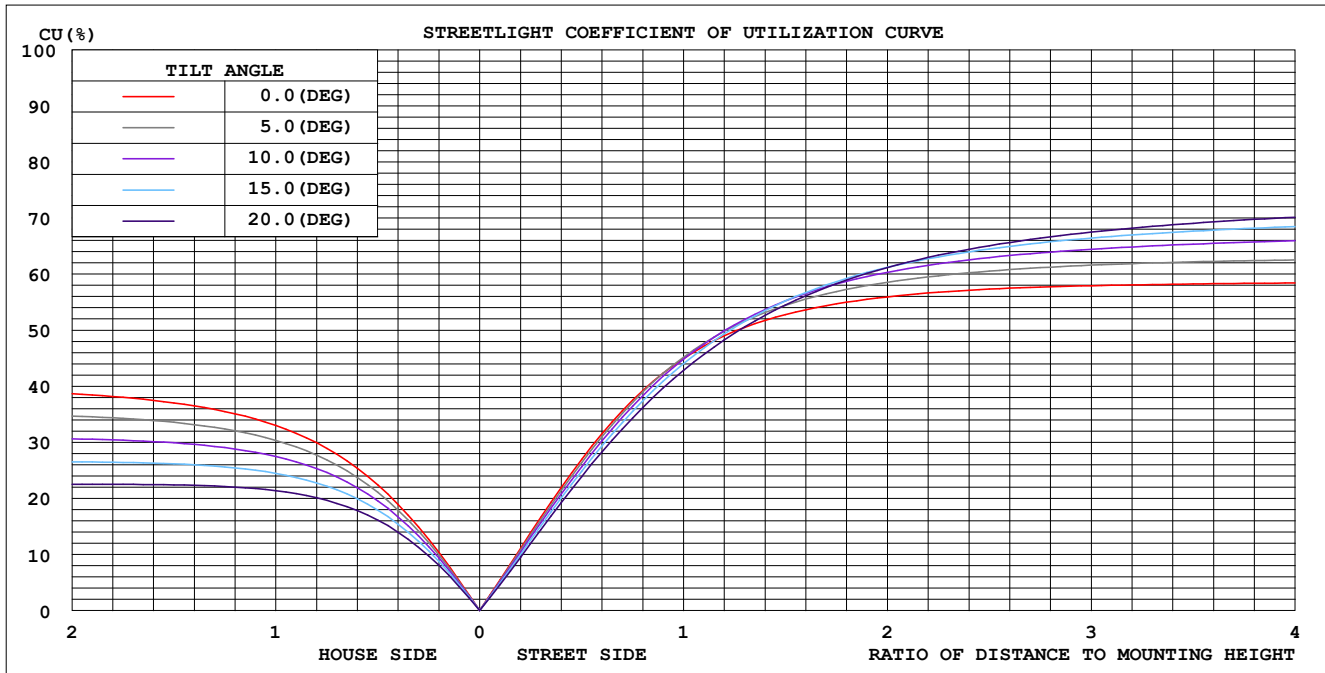
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.58cd/klm
Max.At90:0.7777cd/klm
Max.80-90:66.58cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4504
90%	4053
80%	3603
70%	3153
60%	2702
50%	2252
40%	1802
30%	1351
20%	901
10%	450
5%	225

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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

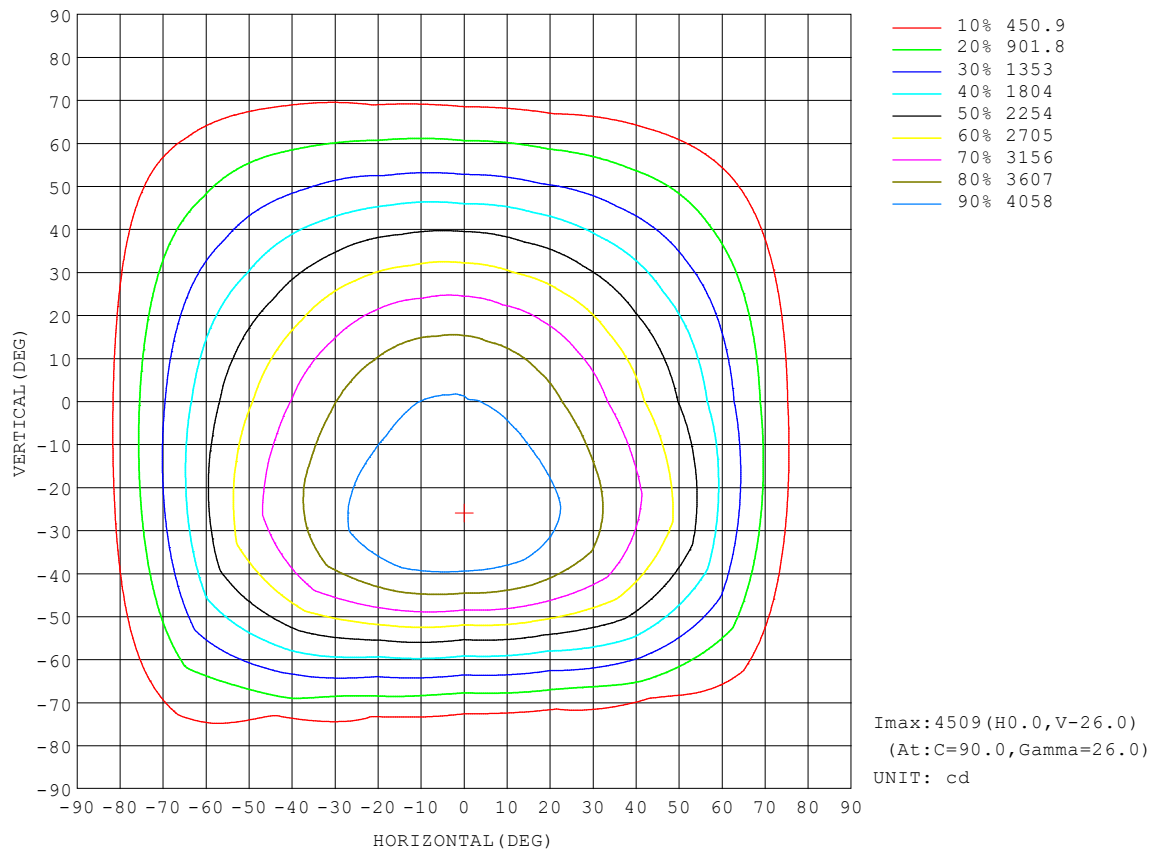
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3961	4153	4274	4207	4060	3896	3807	3834	0- 10	386.9	386.9	3.4,3.4
20	3701	4157	4457	4265	3896	3567	3385	3447	10- 20	1117	1504	13.2,13.2
30	3310	4095	4468	4253	3598	3097	2834	2925	20- 30	1721	3225	28.4,28.4
40	2817	3833	4014	4043	3172	2523	2212	2318	30- 40	2105	5329	46.9,46.9
50	2237	3217	2967	3481	2660	1896	1522	1684	40- 50	2167	7497	65.9,65.9
60	1554	2210	1710	2512	2040	1267	935.4	1057	50- 60	1856	9353	82.3,82.3
70	814.6	1090	610.4	1388	1317	714.8	382.5	490.9	60- 70	1259	10612	93.3,93.3
80	148.8	197.2	134.2	325.2	560.9	190.9	46.76	61.73	70- 80	549.0	11160	98.2,98.2
90	6.972	3.820	2.890	4.500	8.842	6.077	4.348	6.962	80- 90	79.49	11240	98.9,98.9
100	11.66	7.004	4.916	5.615	8.322	10.33	9.227	12.40	90-100	7.230	11247	98.9,98.9
110	17.28	11.11	8.489	9.358	13.23	16.22	15.85	18.57	100-110	11.75	11259	99,99
120	23.27	16.11	12.95	13.95	18.90	22.54	23.17	25.14	110-120	16.42	11275	99.2,99.2
130	28.77	21.36	18.08	19.07	24.74	28.72	30.18	31.21	120-130	20.04	11295	99.4,99.4
140	33.14	26.41	23.18	24.06	30.00	33.87	35.76	36.28	130-140	21.47	11317	99.5,99.5
150	36.54	31.19	28.20	29.09	34.38	37.95	39.41	39.52	140-150	20.32	11337	99.7,99.7
160	39.67	35.77	33.25	33.96	37.98	40.76	41.27	41.19	150-160	16.73	11354	99.9,99.9
170	42.56	40.06	38.10	38.80	41.31	42.67	42.46	42.11	160-170	11.13	11365	100,100
180	43.63	42.70	41.85	42.01	43.56	43.06	41.99	41.81	170-180	3.972	11369	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

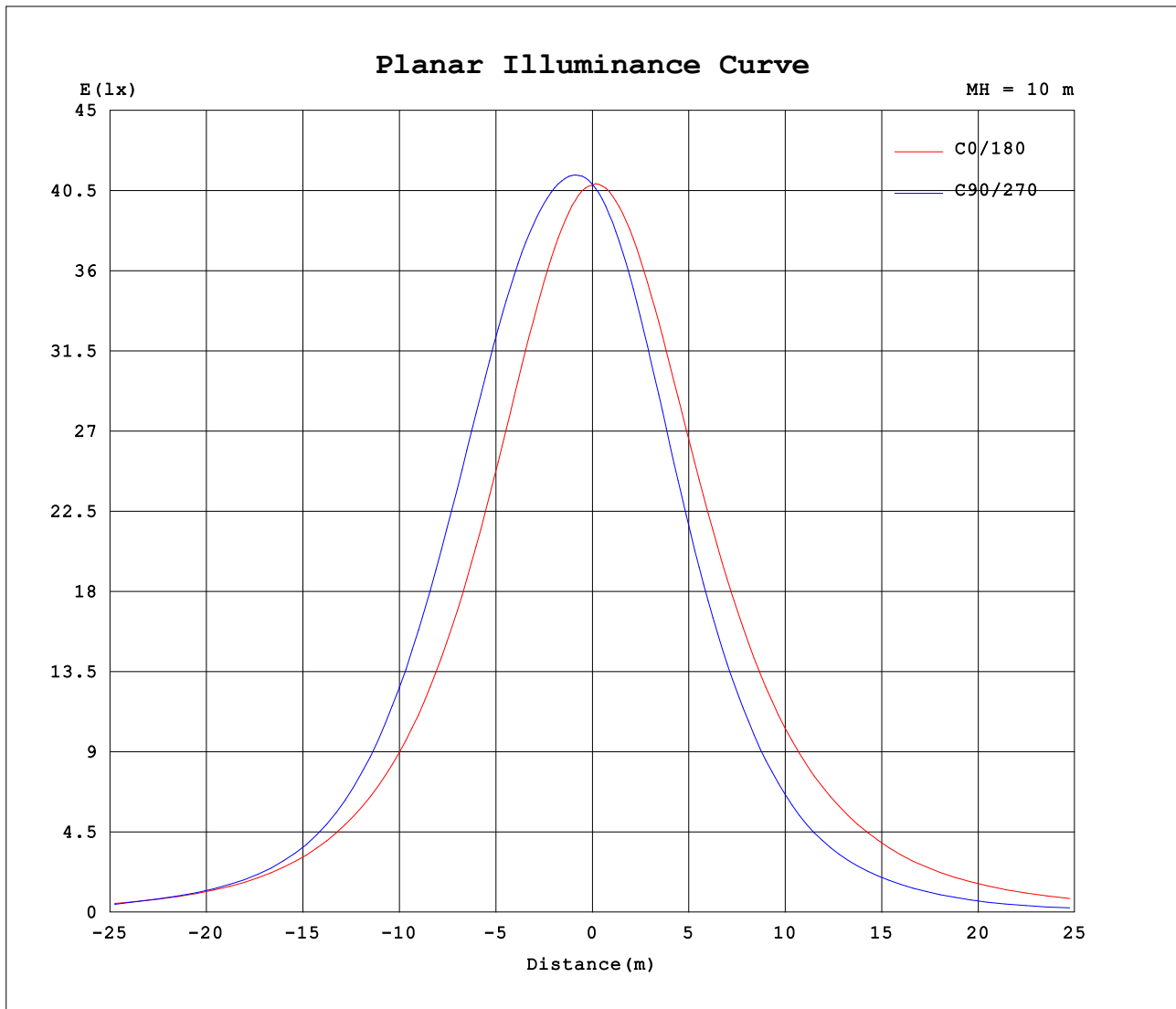
Test:U:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



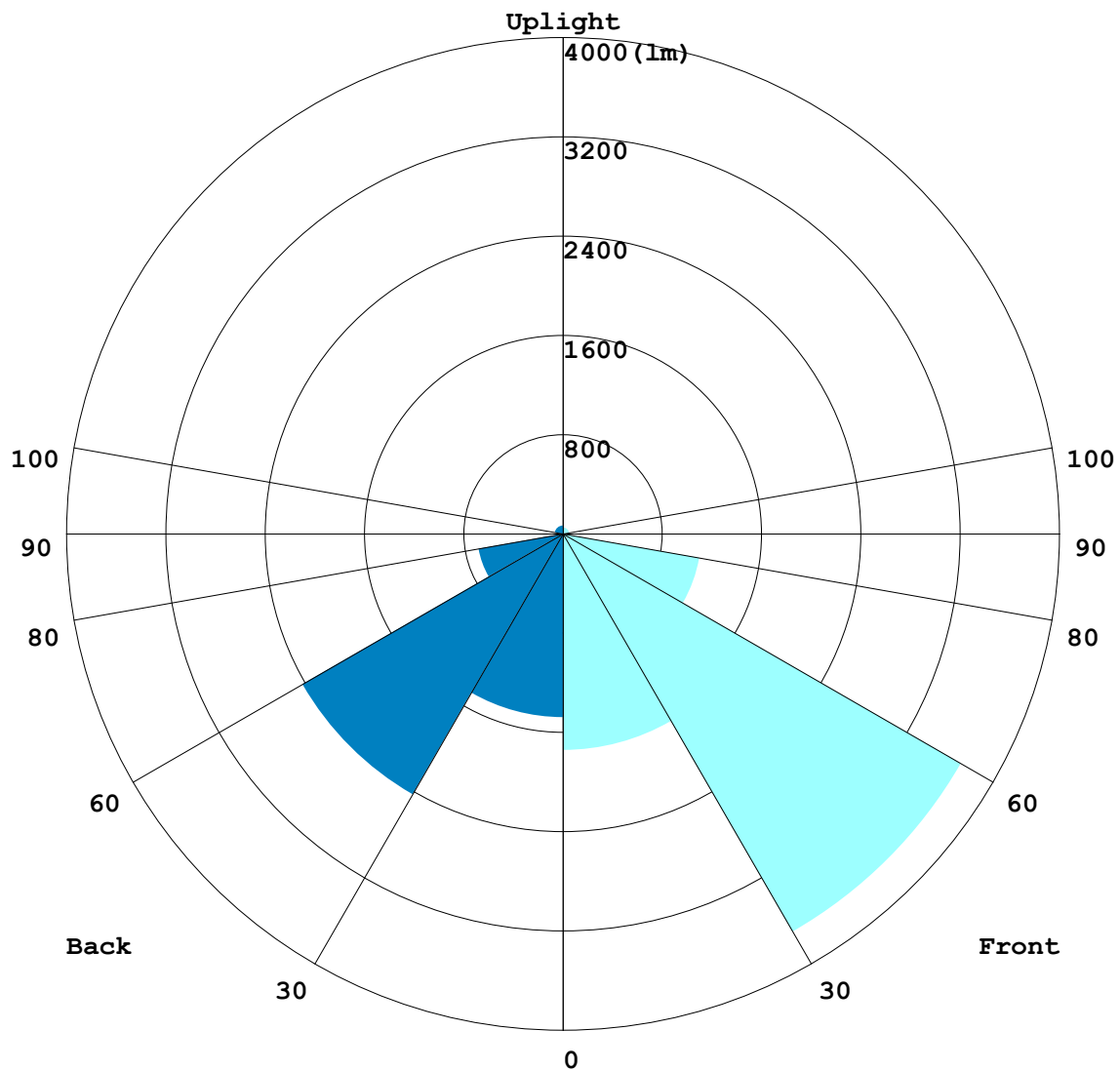
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 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)	1744.2	15.3
FM - Front-Medium(30-60)	3703.8	32.6
FH - Front-High(60-80)	1116.9	9.8
FVH - Front-Very High(80-90)	44.634	0.4
Total Forward Light	6665.3	58.6

BL - Back-Low(0-30)	1480.3	13.0
BM - Back-Medium(30-60)	2424.4	21.3
BH - Back-High(60-80)	690.82	6.1
BVH - Back-Very High(80-90)	34.856	0.3
Total Back Light	4703.8	41.4

UL - Uplight-Low(90-100)	7.2301	0.1
UH - Uplight-High(100-180)	121.84	1.1
Total Up Light	129.07	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4630.4	73.409	4703.8
Street Side	6609.6	55.66	6665.3

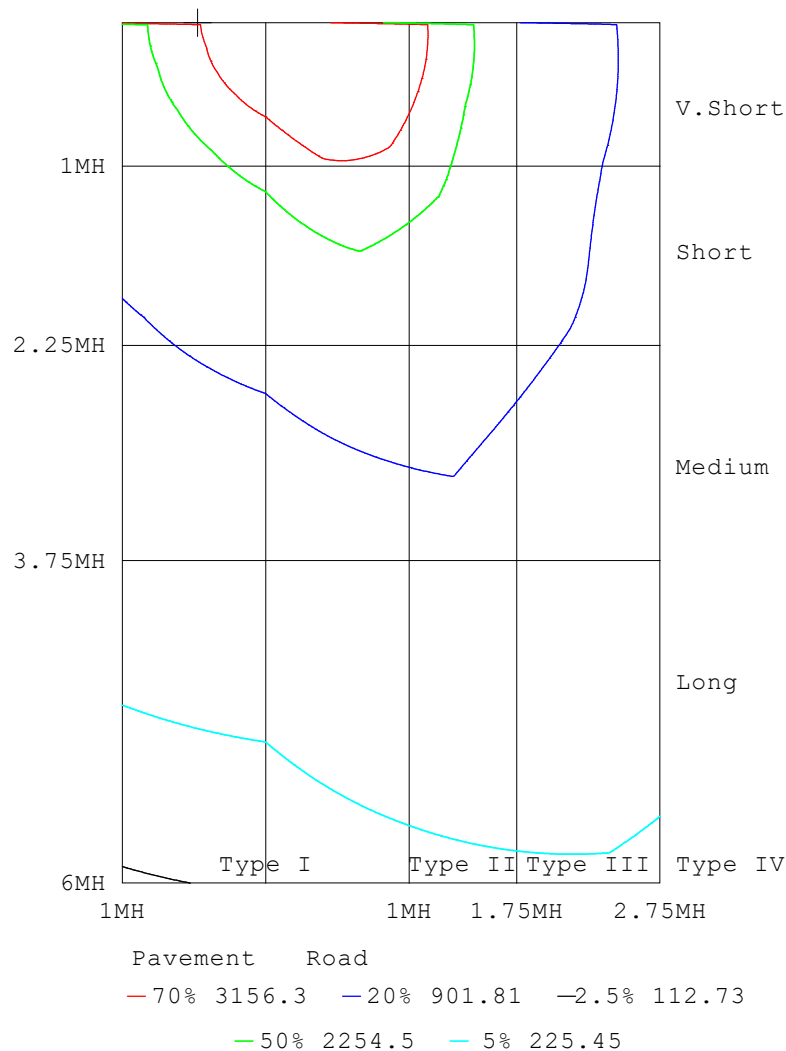
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 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:275.23V I:0.2975A P:81.476W PF:0.9951 Freq:60.00Hz Lamp Flux:11369.1x1 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	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081	4081			
5	4041	4086	4129	4164	4181	4179	4153	4127	4093	4045	4005	3974	3959	3958	3975	4004			
10	3961	4060	4153	4234	4274	4264	4207	4135	4060	3969	3896	3836	3807	3803	3834	3894			
15	3849	4004	4161	4302	4370	4348	4243	4112	3996	3862	3750	3657	3615	3606	3657	3744			
20	3701	3917	4157	4363	4457	4423	4265	4064	3896	3712	3567	3442	3385	3378	3447	3560			
25	3520	3810	4139	4399	4503	4472	4273	3988	3765	3533	3349	3192	3123	3108	3201	3336			
30	3310	3683	4095	4371	4468	4458	4253	3892	3598	3318	3097	2915	2834	2822	2925	3092			
35	3075	3532	4000	4245	4313	4346	4183	3776	3400	3072	2820	2621	2532	2520	2627	2814			
40	2817	3368	3833	3997	4014	4117	4043	3639	3172	2796	2523	2315	2212	2207	2318	2517			
45	2537	3179	3573	3602	3559	3739	3813	3473	2926	2502	2213	2004	1870	1890	1991	2208			
50	2237	2950	3217	3073	2967	3227	3481	3272	2660	2199	1896	1651	1522	1531	1684	1895			
55	1910	2648	2756	2444	2301	2604	3043	3016	2374	1889	1596	1332	1220	1225	1358	1584			
60	1554	2243	2210	1807	1710	1955	2512	2688	2040	1576	1267	1045	935	940	1057	1270			
65	1189	1774	1631	1294	1225	1425	1937	2251	1688	1257	979	749	619	629	785	956			
70	815	1276	1090	684	610	895	1388	1760	1317	943	715	468	383	379	491	639			
75	467	783	433	361	358	429	825	1251	936	627	420	248	188	169	245	371			
80	149	324	197	138	134	222	325	757	561	357	191	84.0	46.8	34.3	61.7	120			
85	7.28	6.71	8.29	8.41	9.57	14.9	113	259	222	107	33.0	5.96	4.63	5.10	6.46	7.67			
90	6.97	5.10	3.82	3.01	2.89	3.29	4.50	5.80	8.84	7.48	6.08	4.67	4.35	5.39	6.96	7.56			
95	9.18	6.90	5.28	4.10	3.53	3.53	4.12	5.00	6.22	7.58	7.72	6.85	6.54	7.79	9.51	9.97			
100	11.7	8.99	7.00	5.59	4.92	4.89	5.61	6.73	8.32	9.96	10.3	9.59	9.23	10.7	12.4	12.6			
105	14.4	11.3	8.96	7.35	6.58	6.53	7.37	8.77	10.7	12.5	13.2	12.7	12.4	13.9	15.5	15.4			
110	17.3	13.8	11.1	9.39	8.49	8.42	9.36	11.0	13.2	15.3	16.2	16.0	15.8	17.4	18.6	18.4			
115	20.2	16.5	13.5	11.6	10.6	10.6	11.5	13.4	16.0	18.3	19.3	19.5	19.5	21.0	21.9	21.5			
120	23.3	19.3	16.1	14.0	12.9	12.9	14.0	16.0	18.9	21.4	22.5	23.0	23.2	24.6	25.1	24.7			
125	26.2	22.0	18.7	16.6	15.5	15.4	16.5	18.7	21.9	24.5	25.8	26.4	26.8	28.0	28.3	27.6			
130	28.8	24.7	21.4	19.2	18.1	17.9	19.1	21.3	24.7	27.3	28.7	29.5	30.2	31.2	31.2	30.1			
135	31.1	27.2	23.9	21.8	20.6	20.5	21.6	23.7	27.4	30.0	31.4	32.3	33.1	34.1	33.9	32.5			
140	33.1	29.5	26.4	24.4	23.2	23.0	24.1	26.1	30.0	32.5	33.9	34.8	35.8	36.7	36.3	34.7			
145	34.9	31.7	28.9	26.8	25.7	25.5	26.6	28.4	32.2	34.7	36.0	36.9	37.8	38.6	38.1	36.5			
150	36.5	33.8	31.2	29.3	28.2	27.9	29.1	30.7	34.4	36.7	38.0	38.6	39.4	40.1	39.5	38.1			
155	38.1	35.8	33.5	31.7	30.7	30.5	31.5	32.9	36.3	38.4	39.6	39.9	40.5	41.0	40.6	39.4			
160	39.7	37.8	35.8	34.2	33.3	33.1	34.0	35.0	38.0	39.7	40.8	41.0	41.3	41.6	41.2	40.2			
165	41.2	39.8	38.0	36.6	35.7	35.6	36.4	37.2	39.6	40.8	41.8	41.8	41.9	42.1	41.6	40.9			
170	42.6	41.6	40.1	39.0	38.1	38.1	38.8	39.2	41.3	42.0	42.7	42.5	42.5	42.6	42.1	41.7			
175	43.4	42.8	41.6	40.9	40.1	40.1	40.6	40.8	42.7	42.8	43.1	42.6	42.3	42.5	42.2	42.1			
180	43.6	43.2	42.7	42.6	41.8	41.8	42.0	41.9	43.6	43.2	43.1	42.3	42.0	42.1	41.8	42.0			

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: