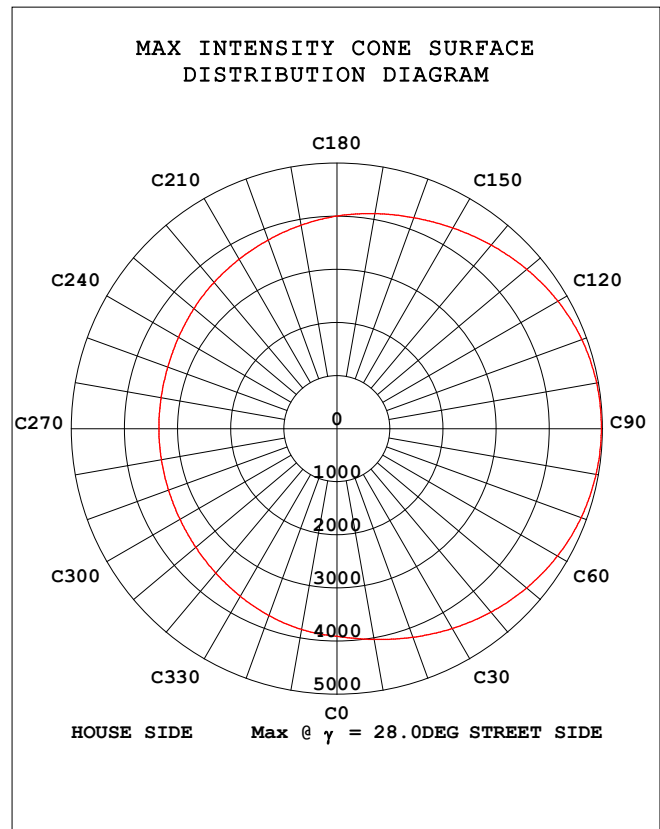
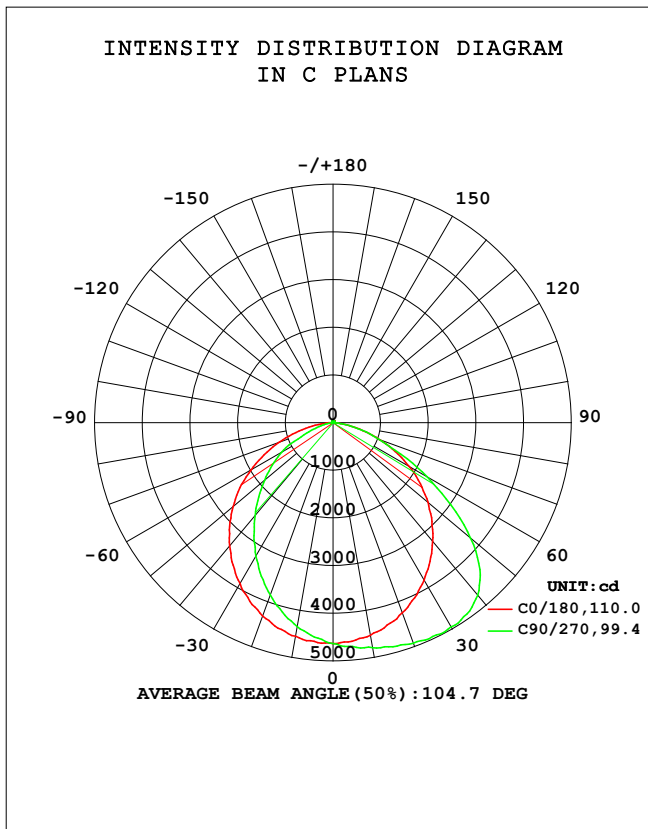


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.82 lm/W			
MODEL		I _{max} (cd)	4977	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.8
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	13159	η house_up (%)	0.6
NOMINAL FLUX (lm)	13159.1	MAXIMUM @ (C, γ)	90,28.0	η house_down (%)	40.1
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

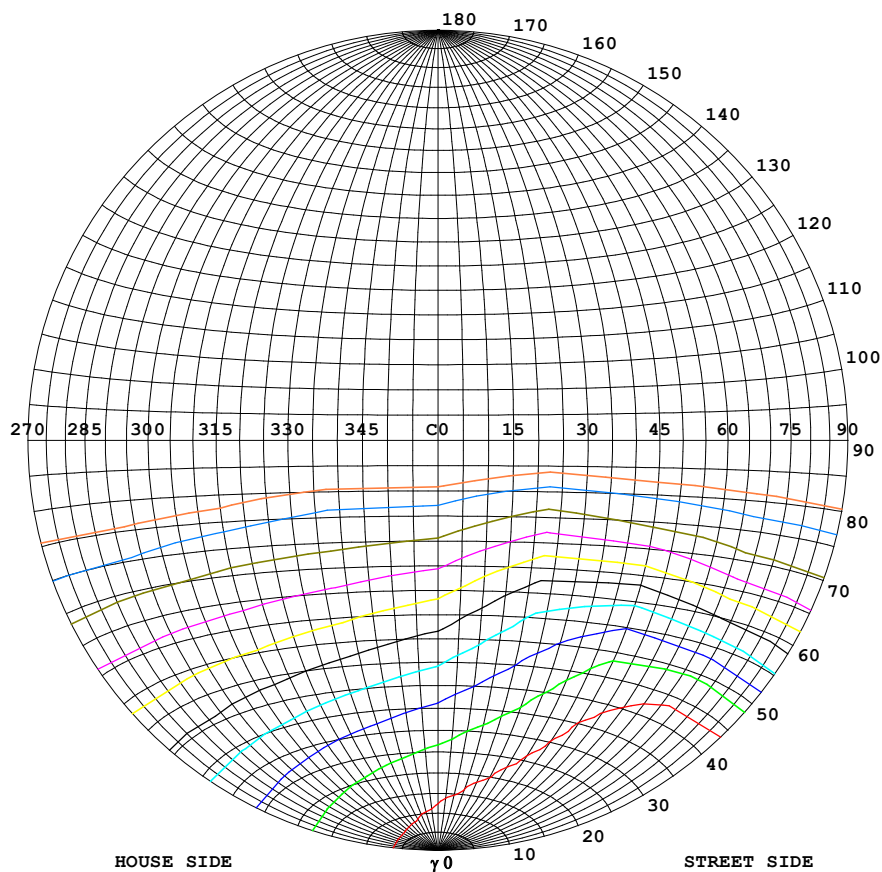


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

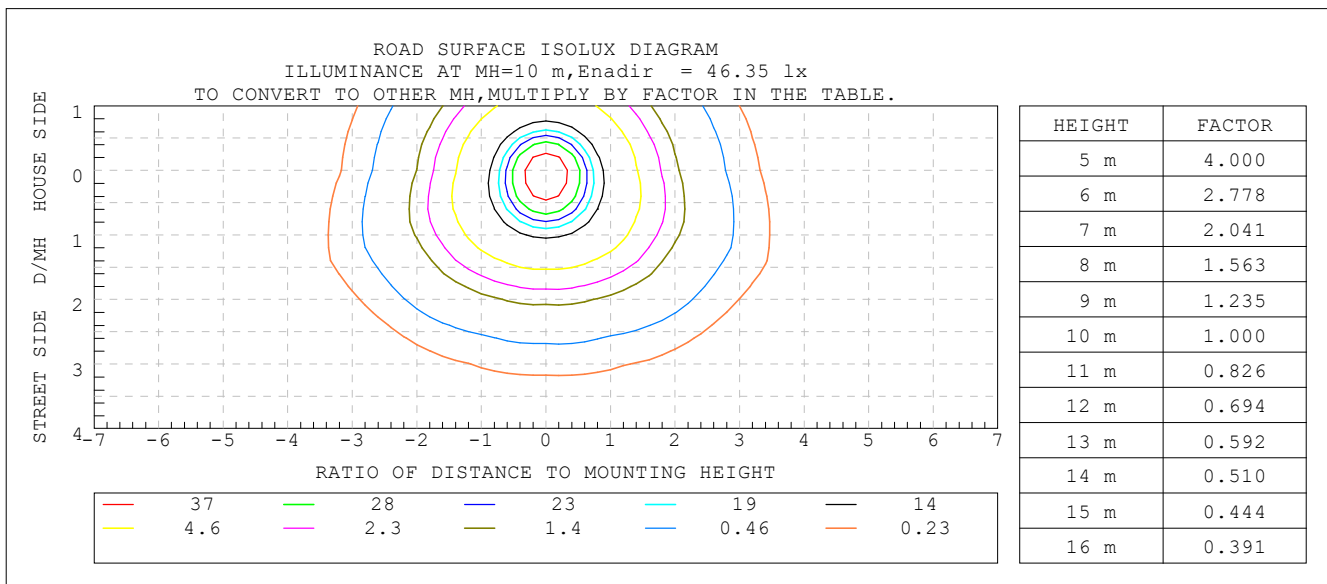
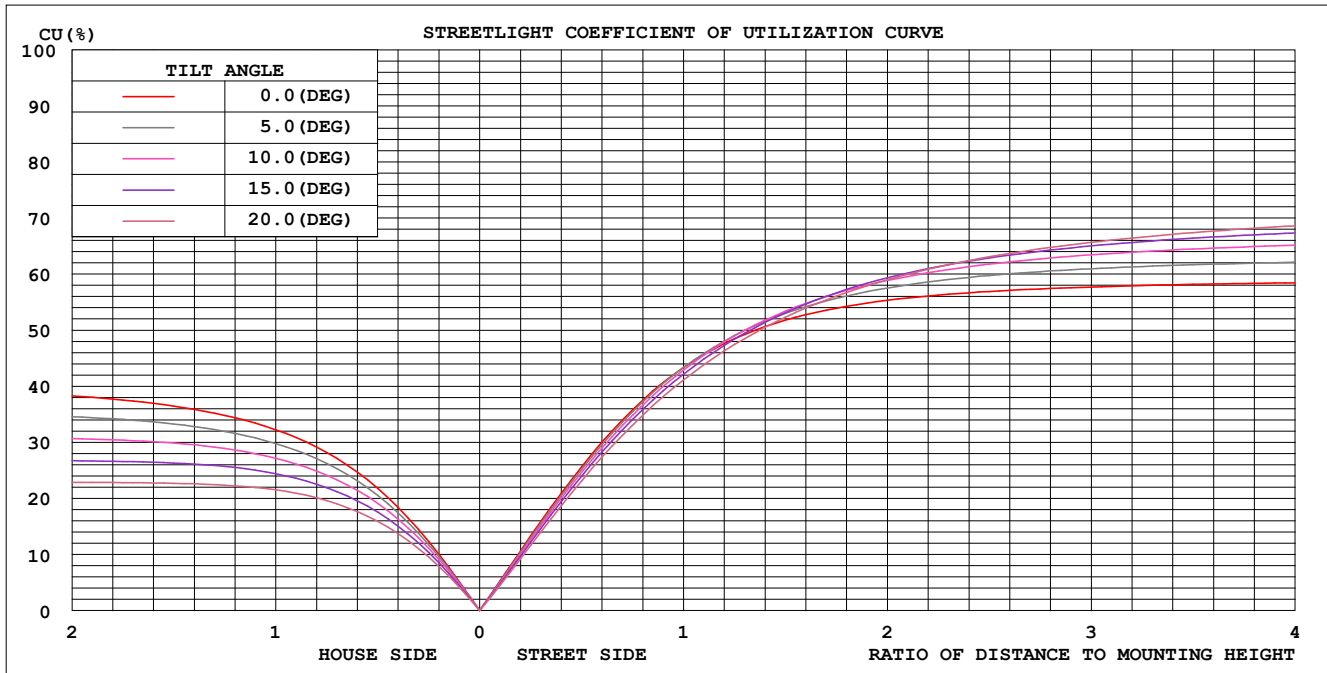
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.19cd/klm
Max.At90:0.6316cd/klm
Max.80-90:58.19cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4977
90%	4480
80%	3982
70%	3484
60%	2986
50%	2489
40%	1991
30%	1493
20%	995
10%	498
5%	249

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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: 2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

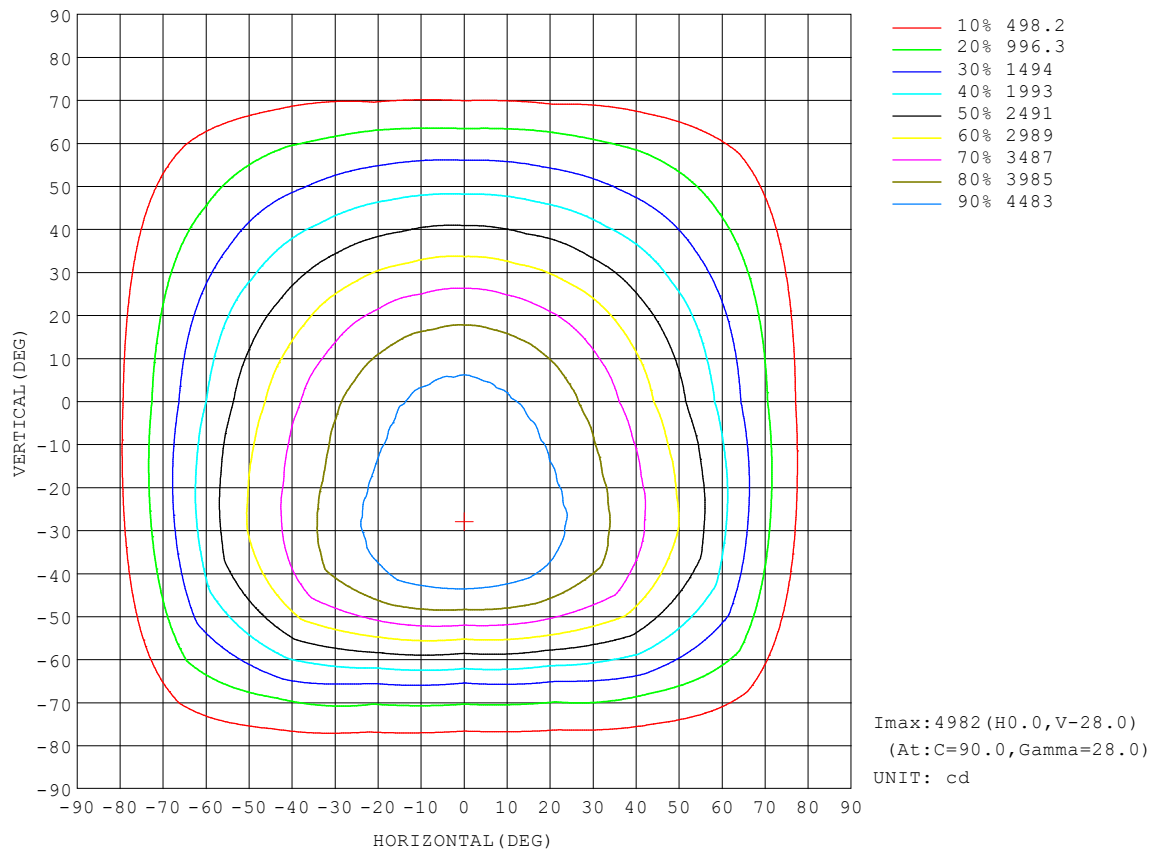
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4526	4719	4795	4690	4549	4423	4344	4380	0- 10	438.4	438.4	3.33,3.33
20	4245	4665	4927	4675	4321	4003	3846	3966	10- 20	1259	1697	12.9,12.9
30	3824	4573	4952	4556	3900	3432	3238	3396	20- 30	1924	3621	27.5,27.5
40	3248	4353	4724	4363	3380	2782	2545	2721	30- 40	2355	5976	45.4,45.4
50	2604	3879	3765	3922	2739	2071	1875	2023	40- 50	2475	8451	64.2,64.2
60	1846	2890	2279	2986	1988	1438	1249	1380	50- 60	2195	10646	80.9,80.9
70	1042	1565	1025	1696	1203	836.9	490.0	780.2	60- 70	1533	12179	92.6,92.6
80	301.5	423.6	268.0	509.9	448.1	180.8	94.21	137.9	70- 80	722.9	12902	98,98
90	6.764	4.434	4.119	5.016	7.278	7.671	6.336	8.311	80- 90	111.4	13013	98.9,98.9
100	11.59	7.832	6.601	7.635	10.55	13.45	12.51	14.30	90-100	8.845	13022	99,99
110	17.31	12.31	10.82	12.05	16.14	20.02	20.11	20.82	100-110	14.04	13036	99.1,99.1
120	23.71	17.59	15.87	17.30	22.40	26.74	28.20	27.83	110-120	19.10	13055	99.2,99.2
130	29.56	23.42	21.66	22.87	28.45	33.29	35.36	34.34	120-130	22.87	13078	99.4,99.4
140	34.28	28.69	27.01	28.07	33.45	38.03	40.61	39.17	130-140	24.08	13102	99.6,99.6
150	38.09	33.77	32.20	32.94	37.43	41.63	43.68	41.94	140-150	22.36	13125	99.7,99.7
160	41.43	38.50	37.33	37.39	40.91	44.28	45.48	43.65	150-160	18.16	13143	99.9,99.9
170	44.82	43.07	42.17	42.05	44.34	45.86	46.77	45.40	160-170	12.04	13155	100,100
180	46.28	46.30	46.48	45.34	46.51	45.90	46.42	45.75	170-180	4.295	13159	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:2025-07-19

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

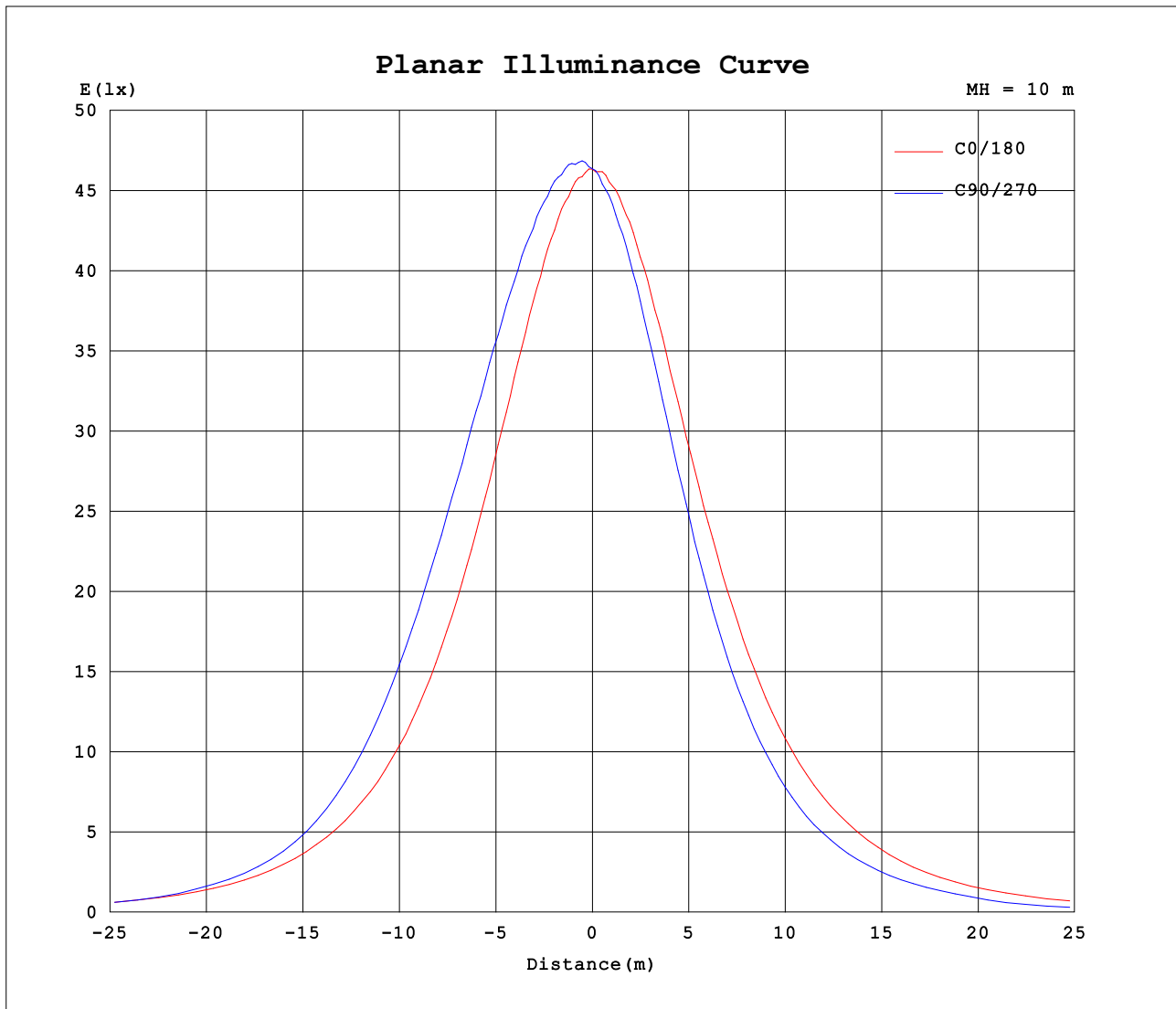
Test:U:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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



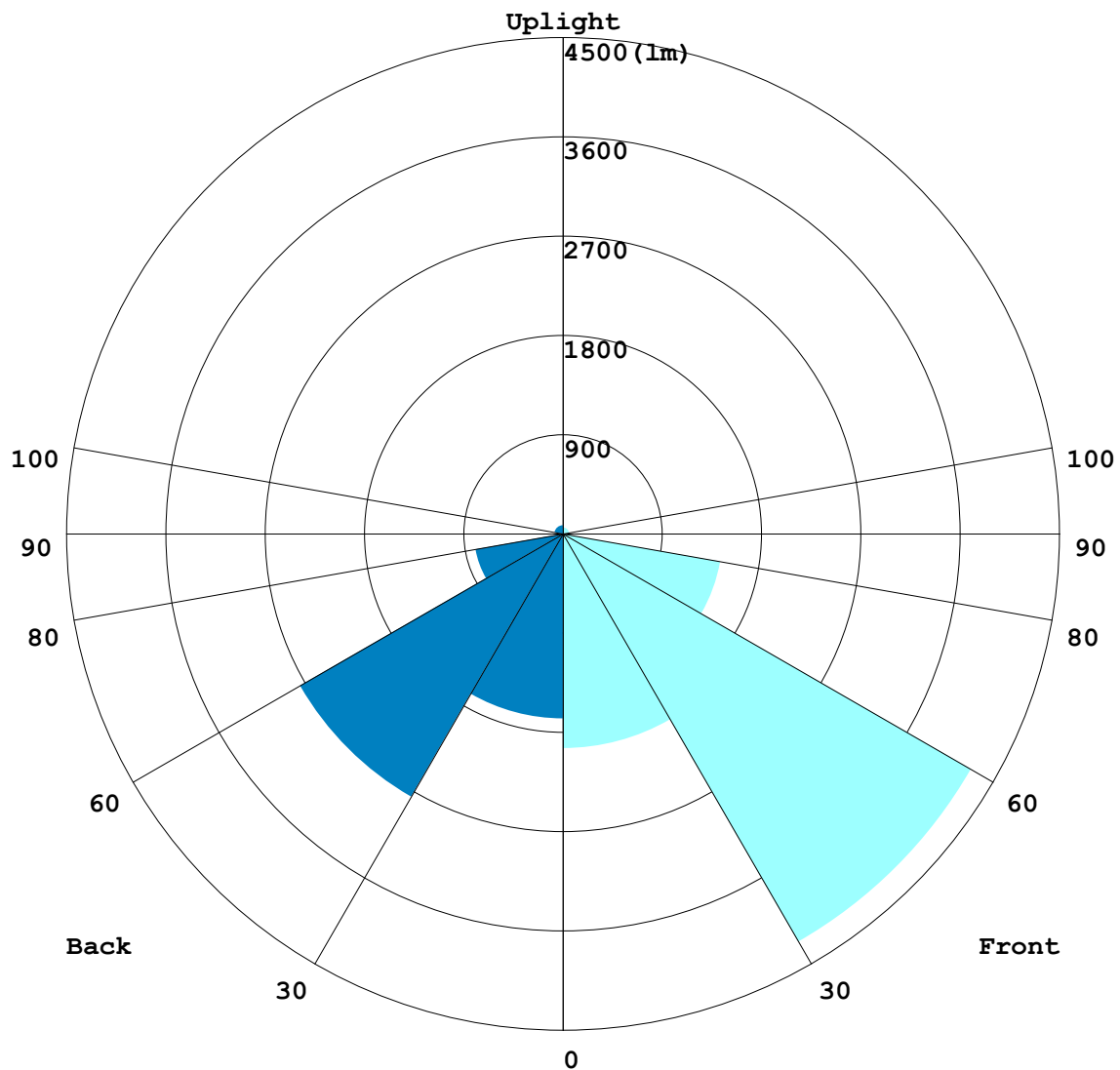
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 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:2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 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)	1944.8	14.8
FM - Front-Medium(30-60)	4270.6	32.5
FH - Front-High(60-80)	1448.4	11.0
FVH - Front-Very High(80-90)	76.053	0.6
Total Forward Light	7802.3	59.3

BL - Back-Low(0-30)	1675.8	12.7
BM - Back-Medium(30-60)	2754.8	20.9
BH - Back-High(60-80)	807.5	6.1
BVH - Back-Very High(80-90)	35.333	0.3
Total Back Light	5356.8	40.7

UL - Uplight-Low(90-100)	8.8454	0.1
UH - Uplight-High(100-180)	136.94	1.0
Total Up Light	145.78	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5273.4	83.427	5356.8
Street Side	7739.9	62.356	7802.3

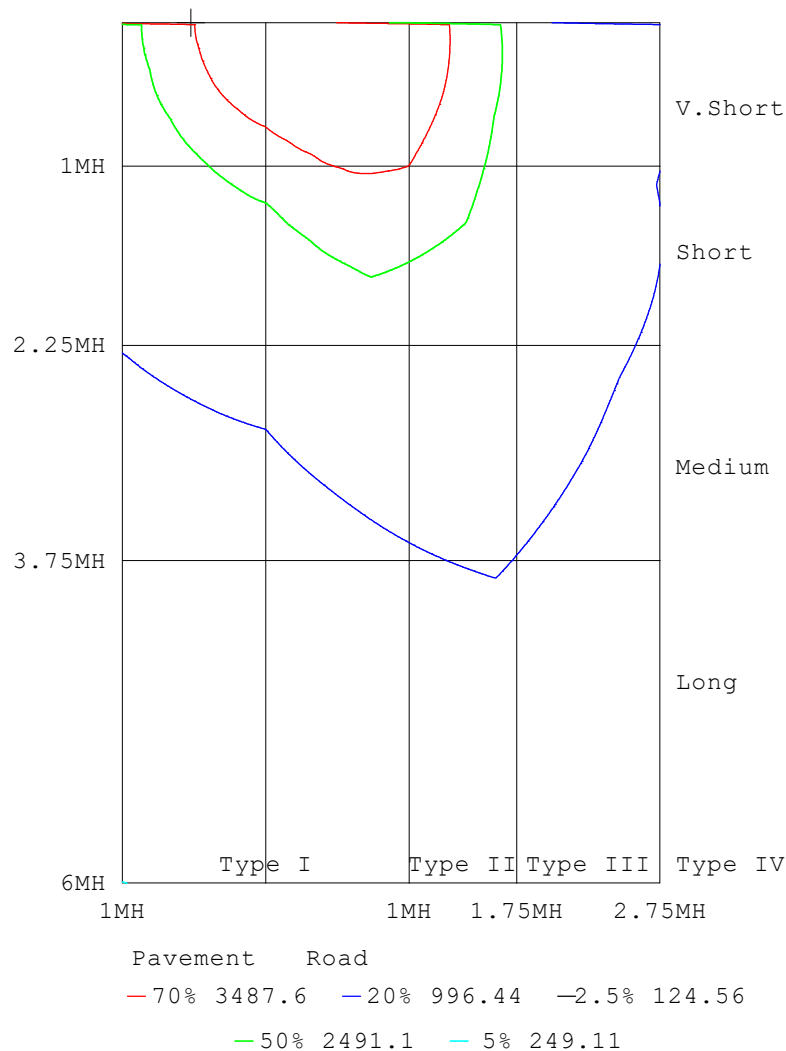
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 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:2025-07-19

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:275.38V I:0.2952A P:80.329W PF:0.9881 Freq:60.00Hz Lamp Flux:13159.1x1 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	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633			
5	4606	4655	4697	4706	4714	4708	4678	4664	4607	4565	4542	4513	4518	4518	4533	4575			
10	4526	4626	4719	4750	4795	4776	4690	4650	4549	4472	4423	4336	4344	4355	4380	4473			
15	4398	4551	4705	4799	4866	4827	4696	4586	4463	4334	4238	4122	4115	4128	4188	4322			
20	4245	4446	4665	4847	4927	4861	4675	4479	4321	4142	4003	3875	3846	3860	3966	4111			
25	4054	4328	4625	4867	4953	4872	4632	4347	4133	3905	3723	3592	3560	3580	3702	3870			
30	3824	4169	4573	4855	4952	4863	4556	4202	3900	3627	3432	3274	3238	3262	3396	3603			
35	3549	3977	4488	4787	4901	4825	4467	4019	3652	3344	3123	2927	2893	2925	3063	3304			
40	3248	3762	4353	4648	4724	4688	4363	3812	3380	3026	2782	2585	2545	2571	2721	2978			
45	2938	3542	4155	4366	4359	4409	4189	3578	3072	2689	2434	2259	2208	2230	2384	2626			
50	2604	3315	3879	3875	3765	3934	3922	3346	2739	2339	2071	1931	1875	1912	2023	2278			
55	2244	3044	3461	3211	3028	3288	3518	3097	2384	1991	1750	1615	1561	1597	1698	1934			
60	1846	2703	2890	2464	2279	2558	2986	2770	1988	1641	1438	1300	1249	1281	1380	1580			
65	1438	2244	2226	1770	1565	1844	2352	2350	1599	1289	1132	977	813	931	1079	1225			
70	1042	1720	1565	1108	1025	1157	1696	1832	1203	958	837	550	490	526	780	884			
75	651	1170	901	720	620	758	981	1295	810	641	434	300	266	278	383	578			
80	301	623	424	325	268	358	510	766	448	362	181	109	94.2	95.7	138	278			
85	43.1	139	73.4	38.7	35.0	60.5	112	239	135	82.0	26.6	8.50	5.96	6.77	12.1	39.8			
90	6.76	5.12	4.43	4.21	4.12	4.59	5.02	5.74	7.28	7.59	7.67	6.83	6.34	7.23	8.31	8.01			
95	9.04	6.97	5.94	5.13	4.87	5.12	5.79	6.71	8.11	9.81	10.4	9.69	9.13	10.2	11.2	10.5			
100	11.6	9.12	7.83	6.88	6.60	6.84	7.63	8.83	10.5	12.5	13.4	13.0	12.5	13.6	14.3	13.3			
105	14.4	11.5	9.97	8.90	8.58	8.91	9.71	11.2	13.2	15.4	16.7	16.6	16.2	17.3	17.6	16.2			
110	17.3	14.0	12.3	11.2	10.8	11.2	12.0	13.7	16.1	18.6	20.0	20.3	20.1	21.1	20.8	19.4			
115	20.5	16.8	14.8	13.6	13.3	13.6	14.6	16.4	19.2	21.9	23.4	24.2	24.2	24.9	24.3	22.6			
120	23.7	19.8	17.6	16.2	15.9	16.3	17.3	19.3	22.4	25.2	26.7	28.0	28.2	28.7	27.8	25.9			
125	26.8	22.7	20.5	19.0	18.7	19.0	20.1	22.3	25.5	28.4	30.1	31.5	32.0	32.4	31.2	29.1			
130	29.6	25.5	23.4	21.8	21.7	22.0	22.9	25.1	28.4	31.5	33.3	34.6	35.4	35.6	34.3	31.9			
135	32.0	28.1	26.1	24.7	24.4	24.7	25.5	27.6	31.1	34.1	35.9	37.4	38.1	38.3	37.0	34.1			
140	34.3	30.7	28.7	27.3	27.0	27.2	28.1	30.0	33.5	36.3	38.0	39.8	40.6	40.8	39.2	36.0			
145	36.1	33.0	31.3	29.8	29.6	29.8	30.5	32.2	35.6	38.4	40.1	41.5	42.5	42.6	40.6	37.8			
150	38.1	35.3	33.8	32.4	32.2	32.4	32.9	34.3	37.4	40.0	41.6	43.1	43.7	43.6	41.9	39.1			
155	39.7	37.3	36.1	34.9	34.9	34.9	35.2	36.4	39.2	41.5	43.1	44.2	44.5	44.3	42.8	40.4			
160	41.4	39.5	38.5	37.2	37.3	37.3	37.4	38.5	40.9	42.8	44.3	45.2	45.5	45.2	43.6	41.6			
165	43.1	41.6	40.8	39.7	39.8	39.8	39.8	40.5	42.7	43.9	45.3	46.1	46.1	45.8	44.5	42.7			
170	44.8	43.7	43.1	42.2	42.2	42.3	42.0	42.5	44.3	44.9	45.9	46.7	46.8	46.5	45.4	43.8			
175	45.8	45.1	44.9	44.2	44.5	44.4	43.9	44.1	45.8	46.0	46.5	46.9	46.9	46.8	45.9	44.7			
180	46.3	45.9	46.3	46.3	46.5	46.2	45.3	45.0	46.5	46.0	45.9	46.5	46.4	46.2	45.8	44.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: