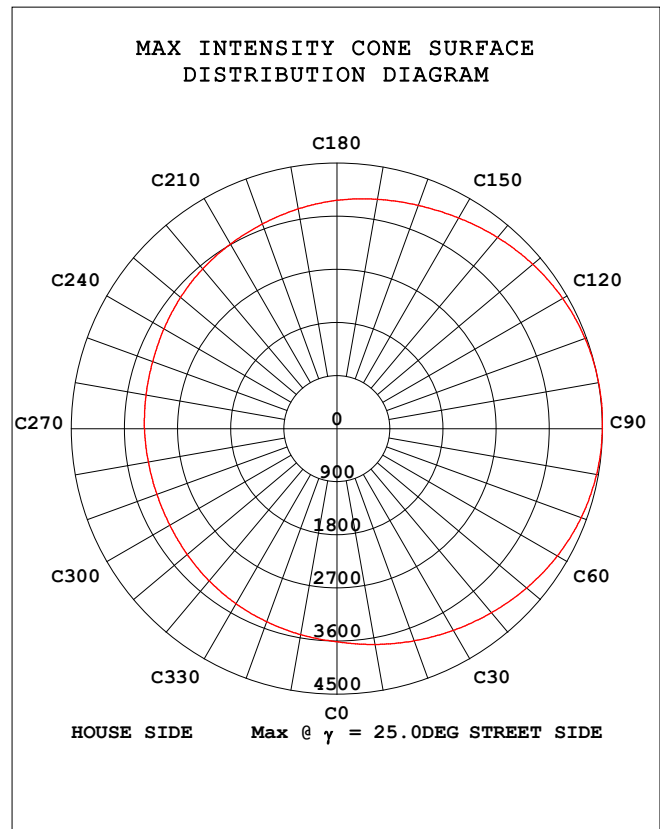
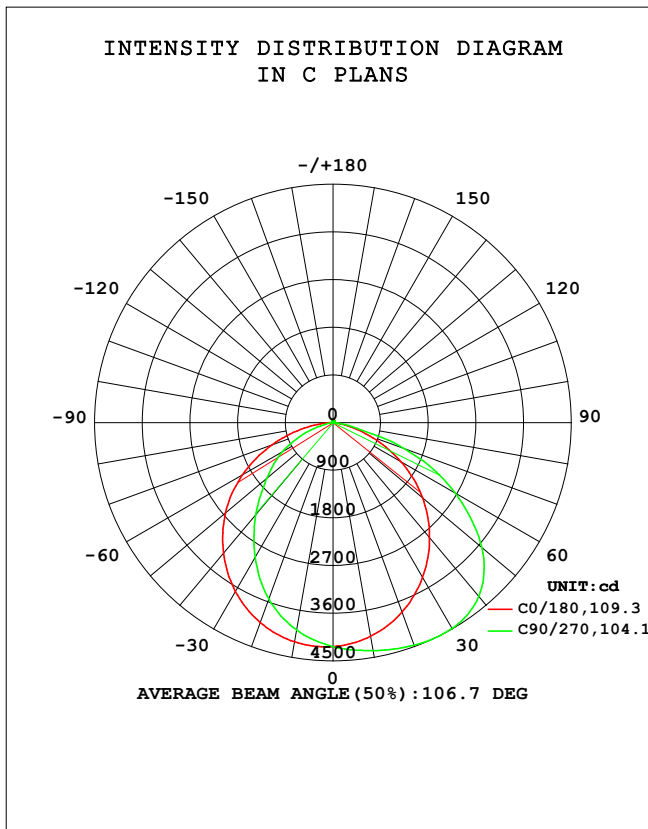


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.72 lm/W			
MODEL		Imax (cd)	4499	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	12031	η house_up (%)	0.7
NOMINAL FLUX (lm)	12031	MAXIMUM @ (C, γ)	90, 25.0	η house_down (%)	39.9
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

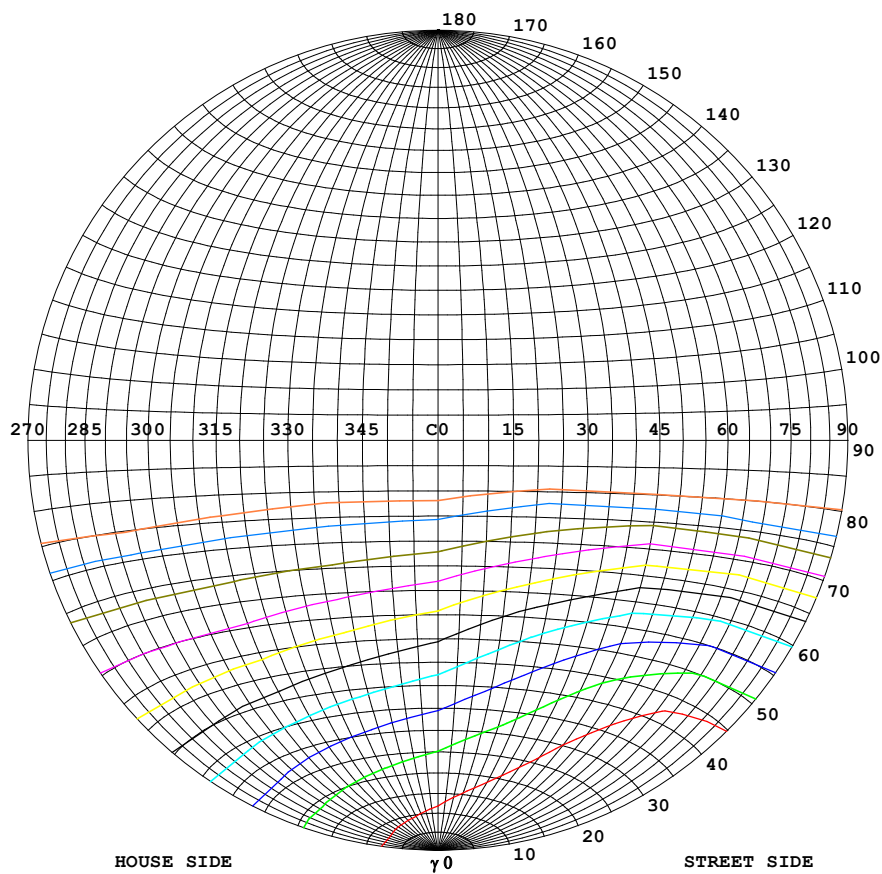


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

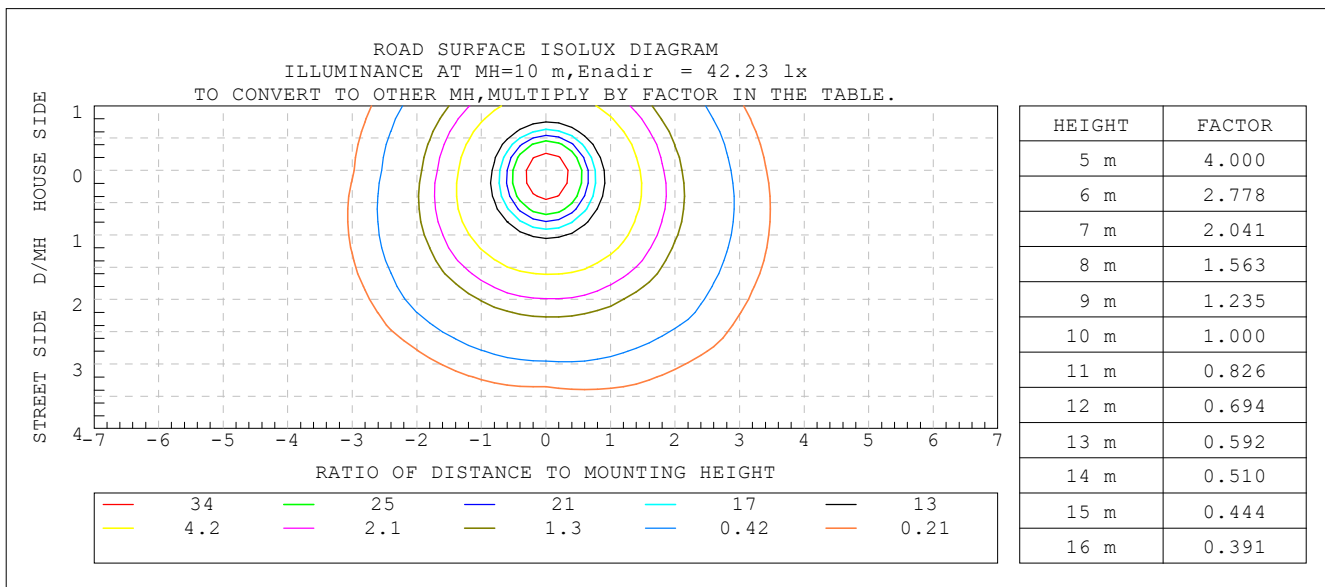
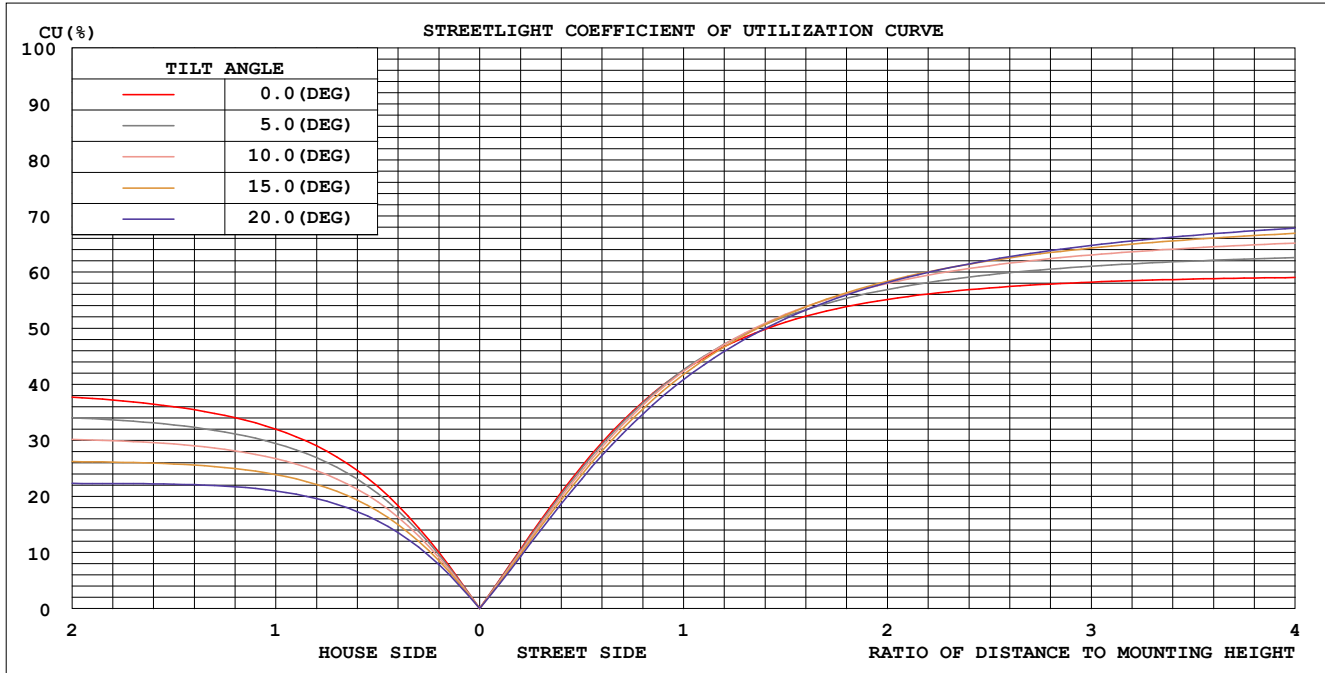
IES:Type III - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:55.48cd/klm
Max.At90:0.7270cd/klm
Max.80-90:55.48cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4499
90%	4049
80%	3599
70%	3149
60%	2699
50%	2249
40%	1799
30%	1350
20%	900
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:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

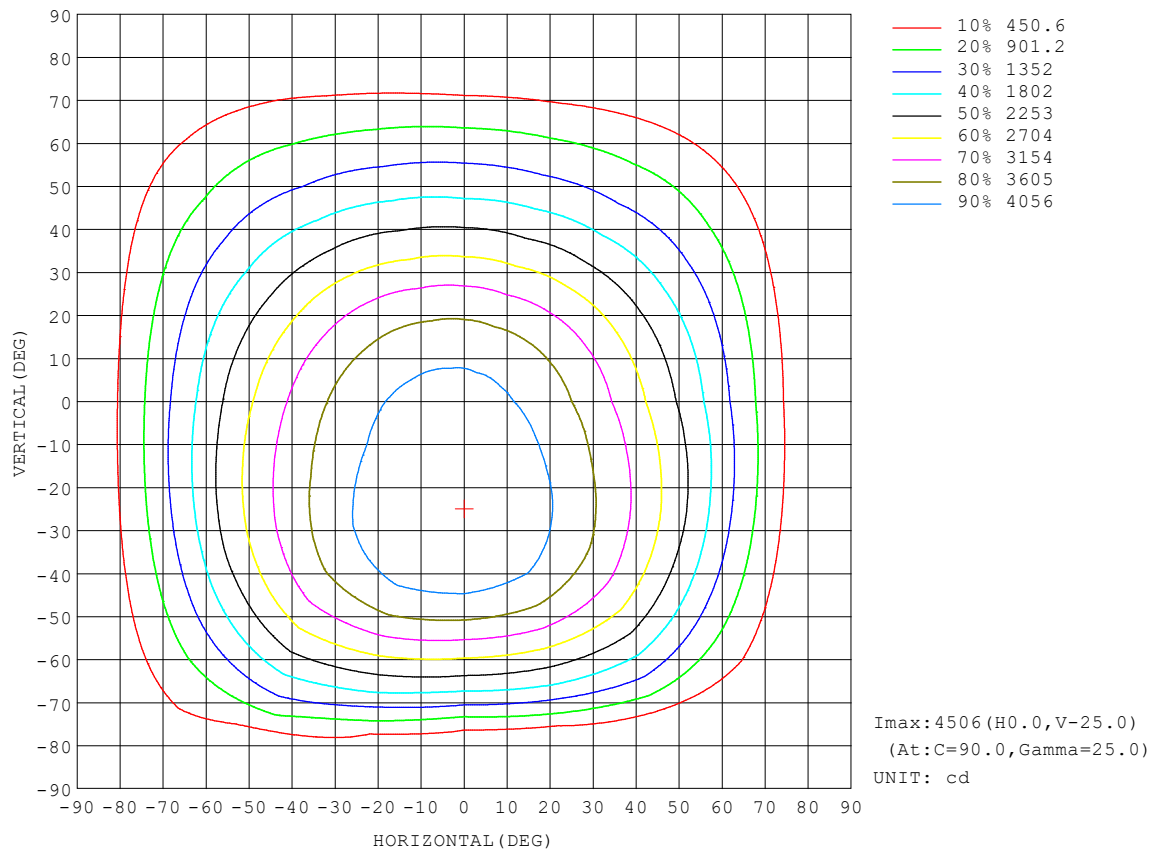
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4094	4265	4372	4324	4201	4059	3974	3995	0- 10	400.3	400.3	3.33,3.33
20	3807	4200	4471	4322	4018	3731	3548	3601	10- 20	1151	1551	12.9,12.9
30	3380	4047	4490	4227	3685	3234	2942	3046	20- 30	1757	3309	27.5,27.5
40	2835	3759	4284	3996	3217	2605	2276	2383	30- 40	2137	5445	45.3,45.3
50	2212	3264	3670	3563	2652	1929	1635	1708	40- 50	2230	7675	63.8,63.8
60	1486	2504	2666	2855	1980	1309	1108	1107	50- 60	2004	9680	80.5,80.5
70	737.4	1458	1419	1870	1224	767.4	525.6	559.9	60- 70	1465	11144	92.6,92.6
80	125.9	229.0	242.5	560.5	489.6	213.2	52.87	72.14	70- 80	666.7	11811	98.2,98.2
90	6.605	4.059	3.598	4.990	8.747	7.069	7.100	8.339	80- 90	83.53	11895	98.9,98.9
100	11.27	7.319	5.746	6.015	7.963	11.56	13.32	14.17	90-100	8.175	11903	98.9,98.9
110	16.92	11.55	9.498	9.923	12.86	17.53	20.46	20.51	100-110	12.91	11916	99,99
120	23.02	16.63	14.16	14.76	18.62	24.01	27.66	27.24	110-120	17.63	11933	99.2,99.2
130	28.66	22.05	19.54	20.15	24.53	30.30	34.21	33.27	120-130	21.23	11955	99.4,99.4
140	33.25	27.11	24.85	25.37	30.04	35.45	38.92	37.96	130-140	22.48	11977	99.6,99.6
150	36.87	31.98	30.09	30.47	34.64	39.15	42.03	41.07	140-150	21.12	11998	99.7,99.7
160	40.24	36.54	35.14	35.31	38.55	41.38	43.48	42.73	150-160	17.30	12015	99.9,99.9
170	43.27	40.74	39.91	40.22	42.13	42.98	44.08	43.63	160-170	11.46	12027	100,100
180	44.32	43.31	43.65	43.43	44.58	43.42	43.44	43.39	170-180	4.078	12031	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

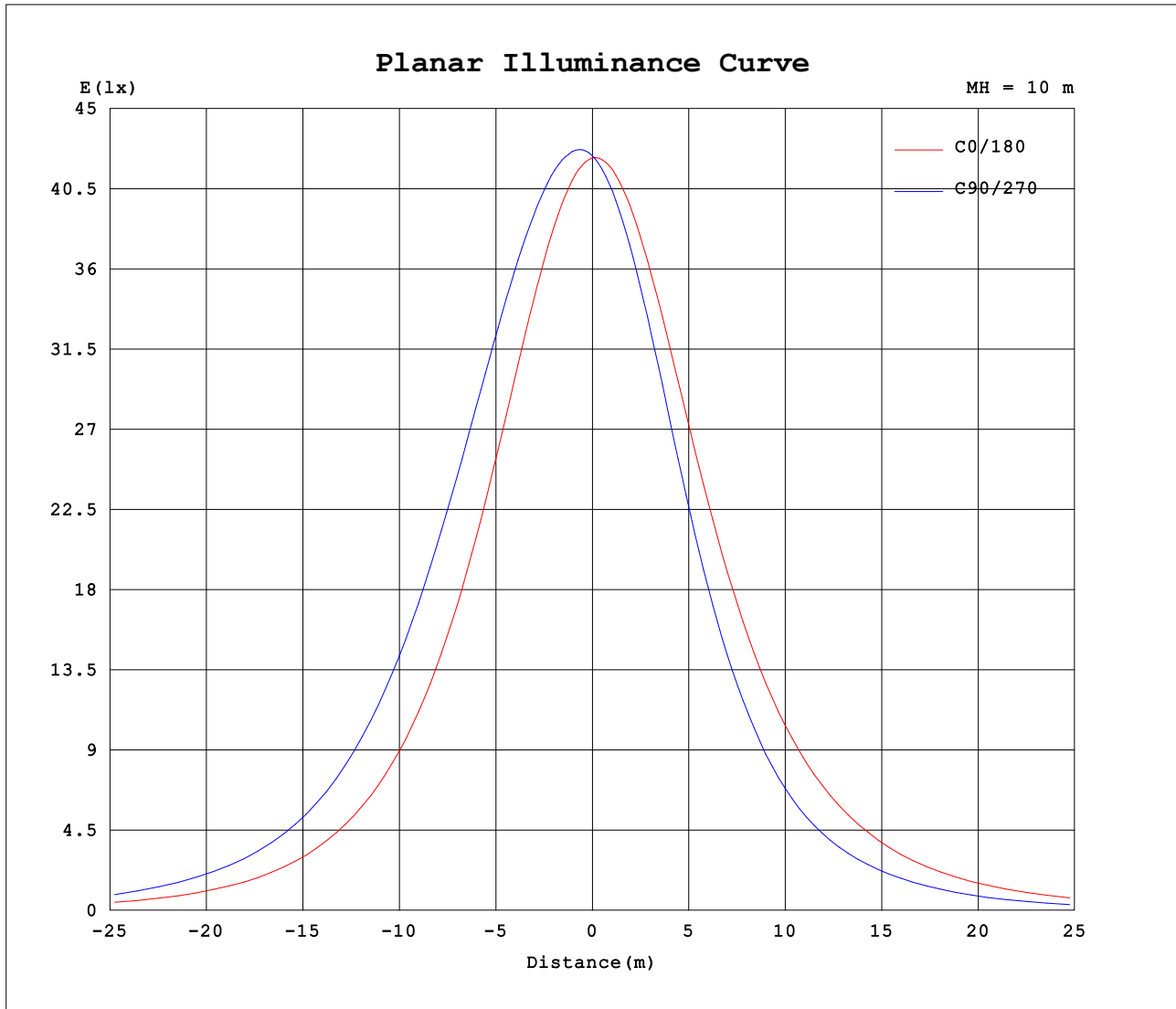
Test:U:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



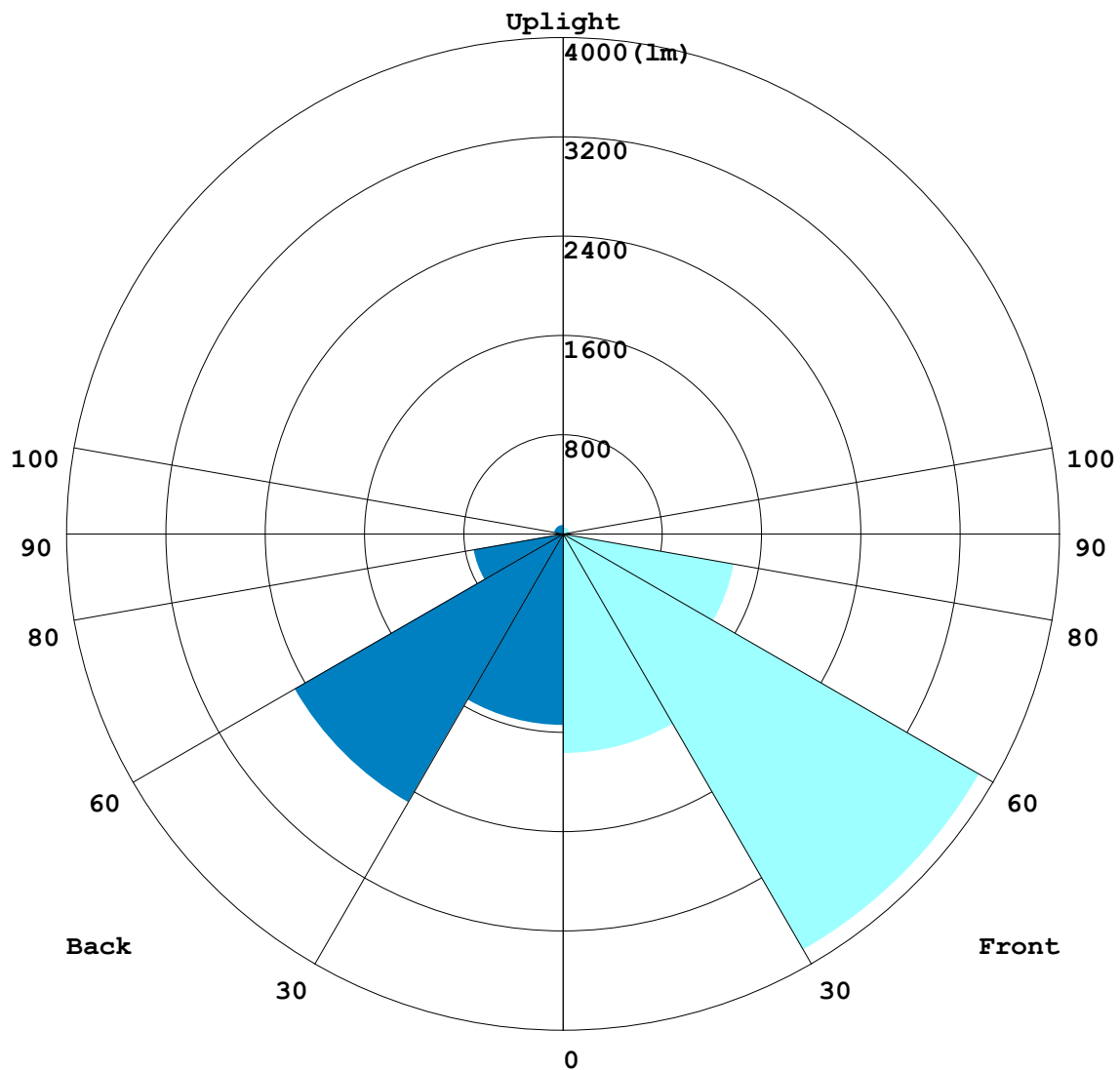
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 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:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 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)	1767.5	14.7
FM - Front-Medium(30-60)	3872	32.2
FH - Front-High(60-80)	1399.3	11.6
FVH - Front-Very High(80-90)	50.224	0.4
Total Forward Light	7146.7	59.4

BL - Back-Low(0-30)	1541.1	12.8
BM - Back-Medium(30-60)	2498.9	20.8
BH - Back-High(60-80)	732.2	6.1
BVH - Back-Very High(80-90)	33.303	0.3
Total Back Light	4884.3	40.6

UL - Uplight-Low(90-100)	8.1749	0.1
UH - Uplight-High(100-180)	128.21	1.1
Total Up Light	136.38	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4805.5	78.718	4884.3
Street Side	7089.1	57.665	7146.7

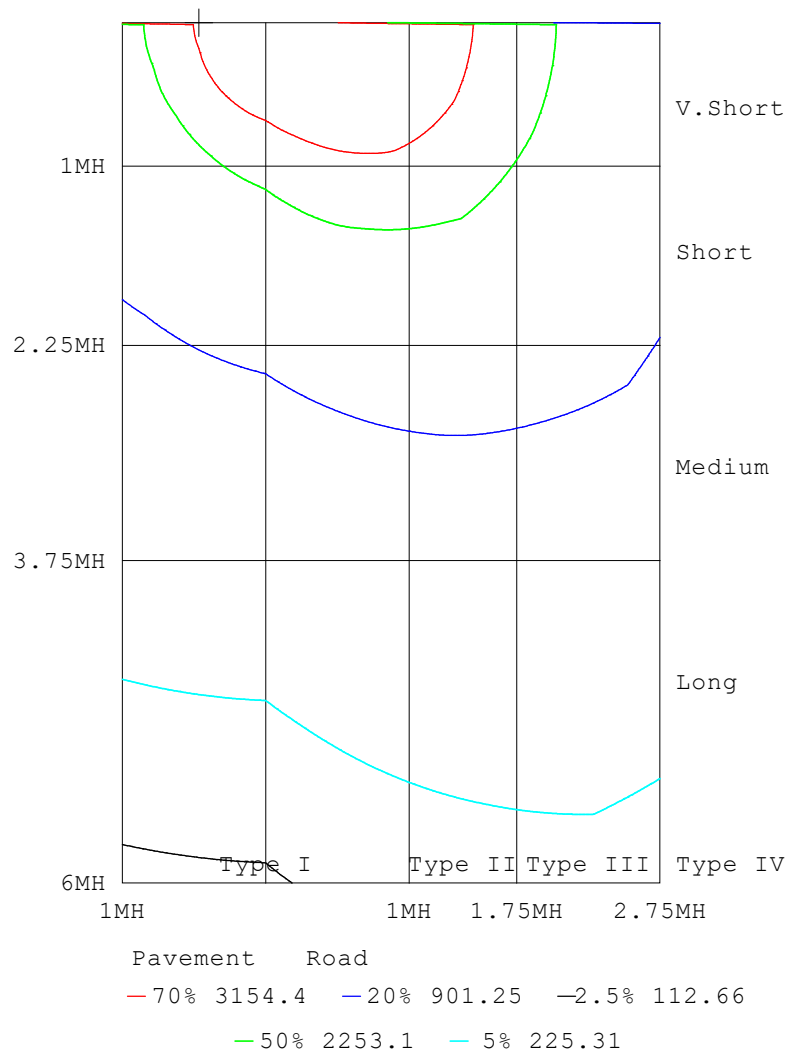
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:

ROAD ISOCANDELA REPORT

Test:U:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 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:275.27V I:0.2822A P:77.261W PF:0.9944 Freq:60.00Hz Lamp Flux:12031x1 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	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228	4228			
5	4183	4224	4261	4292	4308	4309	4291	4263	4235	4195	4162	4133	4120	4115	4129	4153			
10	4094	4182	4265	4335	4372	4369	4324	4263	4201	4122	4059	4003	3974	3967	3995	4039			
15	3969	4106	4243	4367	4427	4416	4334	4225	4130	4011	3916	3826	3785	3771	3817	3888			
20	3807	3996	4200	4383	4471	4451	4322	4153	4018	3859	3731	3609	3548	3537	3601	3698			
25	3609	3855	4135	4385	4499	4464	4285	4050	3871	3673	3502	3338	3263	3252	3341	3467			
30	3380	3689	4047	4352	4490	4451	4227	3921	3685	3447	3234	3034	2942	2930	3046	3209			
35	3120	3495	3925	4277	4426	4389	4129	3759	3465	3188	2932	2707	2607	2596	2721	2915			
40	2835	3279	3759	4137	4284	4269	3996	3575	3217	2896	2605	2372	2276	2260	2383	2596			
45	2533	3036	3540	3907	4029	4054	3813	3356	2947	2582	2277	2054	1939	1942	2029	2264			
50	2212	2757	3264	3581	3670	3746	3563	3113	2652	2253	1929	1731	1635	1618	1708	1928			
55	1861	2425	2921	3144	3189	3322	3244	2819	2337	1921	1620	1443	1367	1340	1394	1597			
60	1486	2004	2504	2635	2666	2823	2855	2471	1980	1589	1309	1178	1108	1080	1107	1268			
65	1110	1560	2010	2085	2105	2285	2389	2039	1605	1254	1029	901	815	786	841	944			
70	737	1100	1458	1442	1419	1683	1870	1584	1224	925	767	615	526	502	560	631			
75	407	659	819	648	575	979	1285	1115	845	616	483	312	241	213	278	362			
80	126	267	229	225	242	353	561	667	490	346	213	111	52.9	35.1	72.1	118			
85	7.01	7.00	8.63	9.10	10.4	16.4	134	215	189	105	32.8	7.93	7.08	7.43	7.86	7.87			
90	6.60	5.02	4.06	3.52	3.60	4.03	4.99	6.07	8.75	7.50	7.07	6.83	7.10	7.95	8.34	7.69			
95	8.79	6.80	5.56	4.64	4.25	4.10	4.44	5.04	5.87	7.50	8.79	9.58	10.0	11.0	11.1	10.2			
100	11.3	8.89	7.32	6.21	5.75	5.58	6.02	6.81	7.96	9.93	11.6	12.7	13.3	14.3	14.2	12.9			
105	14.0	11.2	9.32	8.04	7.51	7.31	7.87	8.89	10.3	12.6	14.5	16.0	16.9	17.7	17.3	15.8			
110	16.9	13.7	11.5	10.1	9.50	9.32	9.92	11.2	12.9	15.5	17.5	19.4	20.5	21.2	20.5	18.9			
115	19.9	16.4	14.0	12.4	11.7	11.5	12.2	13.7	15.7	18.5	20.7	22.8	24.1	24.7	23.9	22.1			
120	23.0	19.3	16.6	14.9	14.2	13.9	14.8	16.3	18.6	21.7	24.0	26.3	27.7	28.3	27.2	25.3			
125	26.0	22.1	19.4	17.6	16.8	16.6	17.5	19.1	21.7	24.9	27.3	29.8	31.1	31.7	30.5	28.3			
130	28.7	24.8	22.0	20.3	19.5	19.3	20.2	21.8	24.5	27.8	30.3	32.7	34.2	34.6	33.3	30.8			
135	31.0	27.3	24.6	22.9	22.2	21.9	22.7	24.4	27.4	30.5	33.0	35.3	36.7	37.1	35.7	33.2			
140	33.2	29.7	27.1	25.5	24.9	24.6	25.4	26.9	30.0	33.0	35.5	37.6	38.9	39.4	38.0	35.4			
145	35.1	32.0	29.6	28.0	27.5	27.2	27.9	29.4	32.4	35.1	37.4	39.5	40.6	41.0	39.6	37.2			
150	36.9	34.2	32.0	30.5	30.1	29.7	30.5	31.7	34.6	37.0	39.2	41.1	42.0	42.2	41.1	39.0			
155	38.6	36.3	34.3	32.9	32.7	32.3	32.9	34.0	36.7	38.6	40.5	42.2	42.9	43.1	42.1	40.3			
160	40.2	38.3	36.5	35.4	35.1	34.8	35.3	36.3	38.5	39.9	41.4	42.9	43.5	43.6	42.7	41.1			
165	41.8	40.3	38.7	37.7	37.6	37.3	37.8	38.6	40.3	41.0	42.2	43.3	43.8	43.9	43.1	42.0			
170	43.3	42.2	40.7	39.9	39.9	39.8	40.2	40.7	42.1	42.2	43.0	43.8	44.1	44.2	43.6	42.8			
175	44.1	43.4	42.2	41.7	41.9	41.9	42.0	42.2	43.7	43.1	43.4	43.9	43.8	44.1	43.7	43.2			
180	44.3	43.8	43.3	43.3	43.6	43.6	43.4	43.3	44.6	43.6	43.4	43.6	43.4	43.7	43.4	43.1			

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: