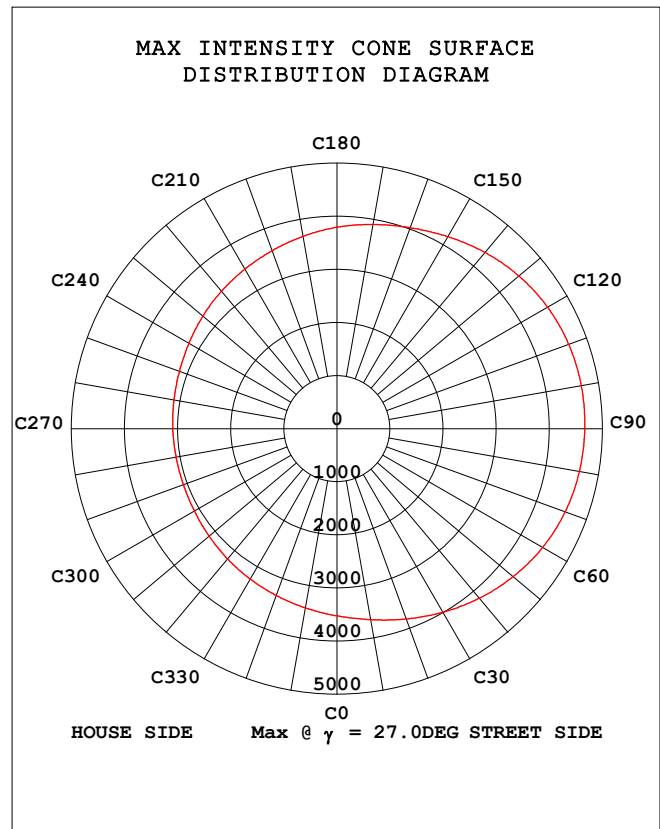
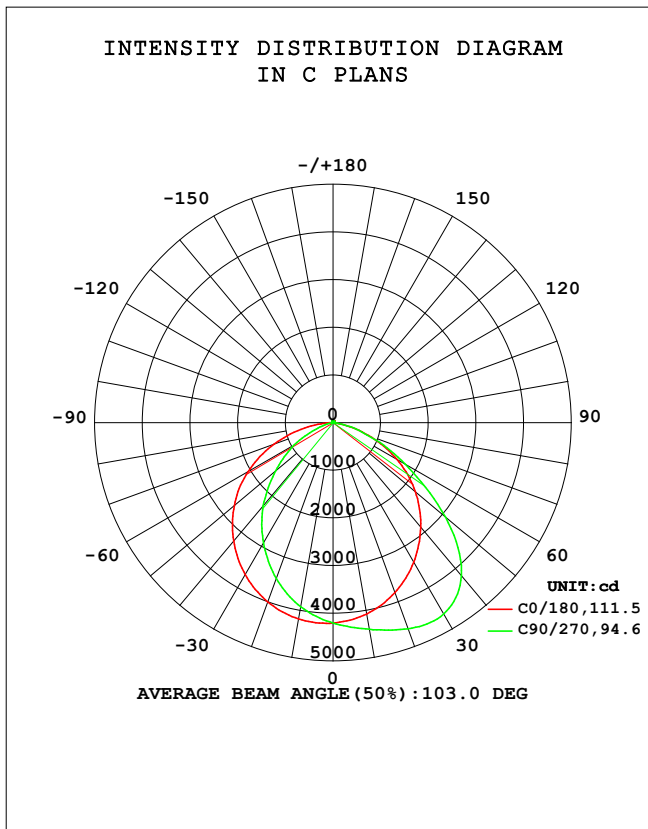


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.23V I:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.68 lm/W			
MODEL		I _{max} (cd)	4666	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	11683	η house_up (%)	0.6
NOMINAL FLUX (lm)	11683.2	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	40.3
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

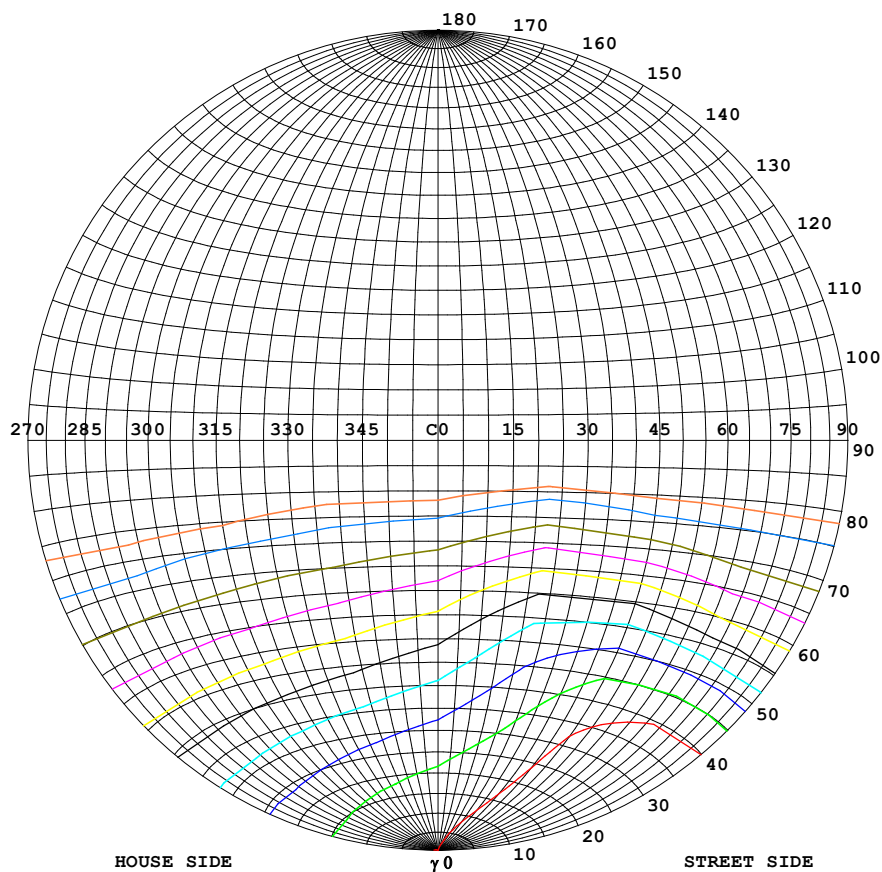


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

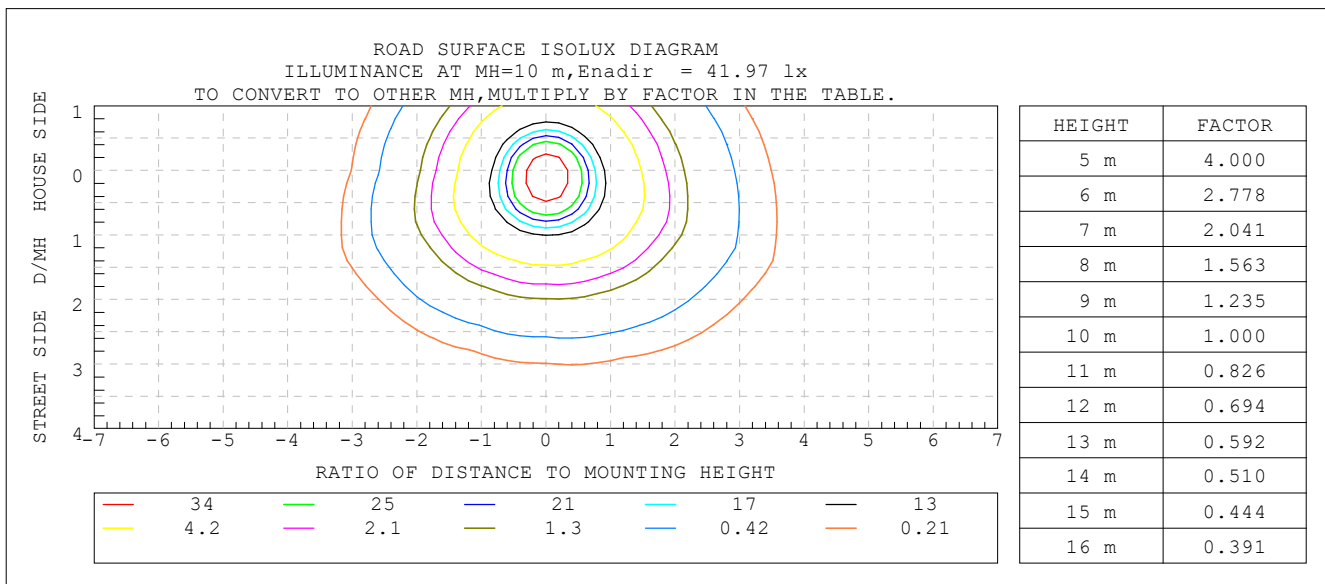
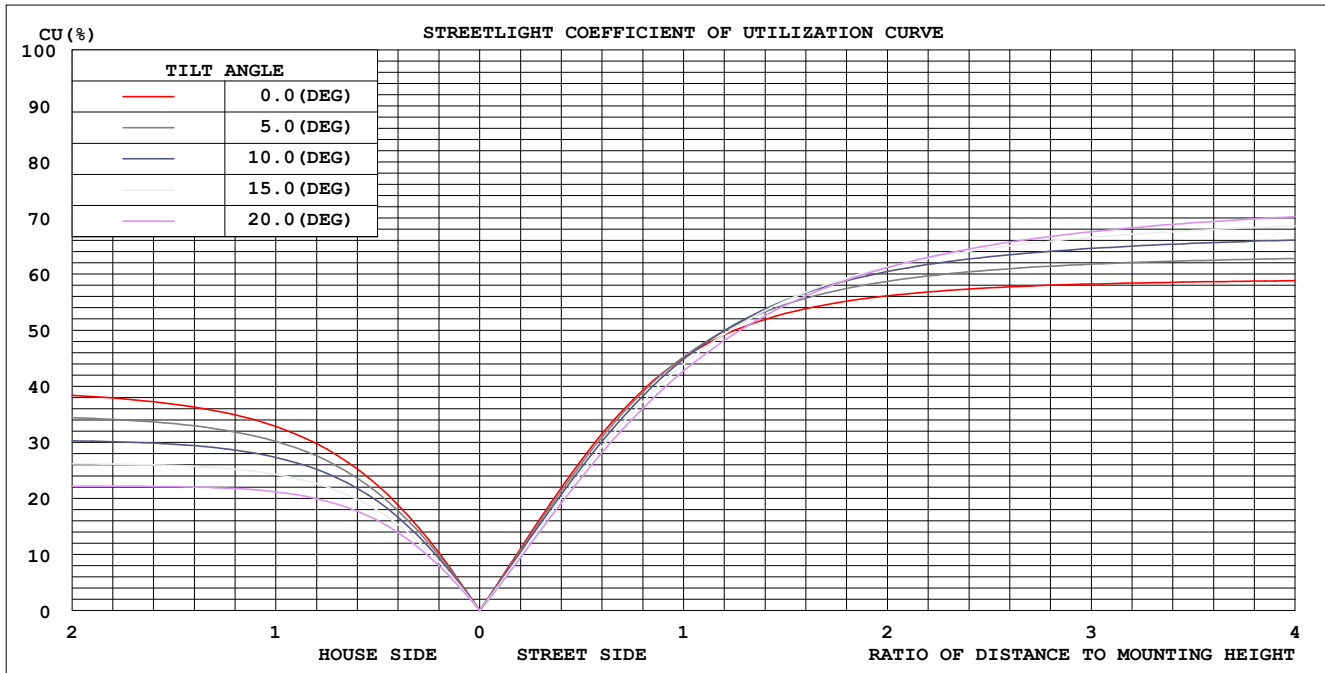
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.95cd/klm
Max.At90:0.7870cd/klm
Max.80-90:65.95cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4666
90%	4199
80%	3732
70%	3266
60%	2799
50%	2333
40%	1866
30%	1400
20%	933
10%	467
5%	233

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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

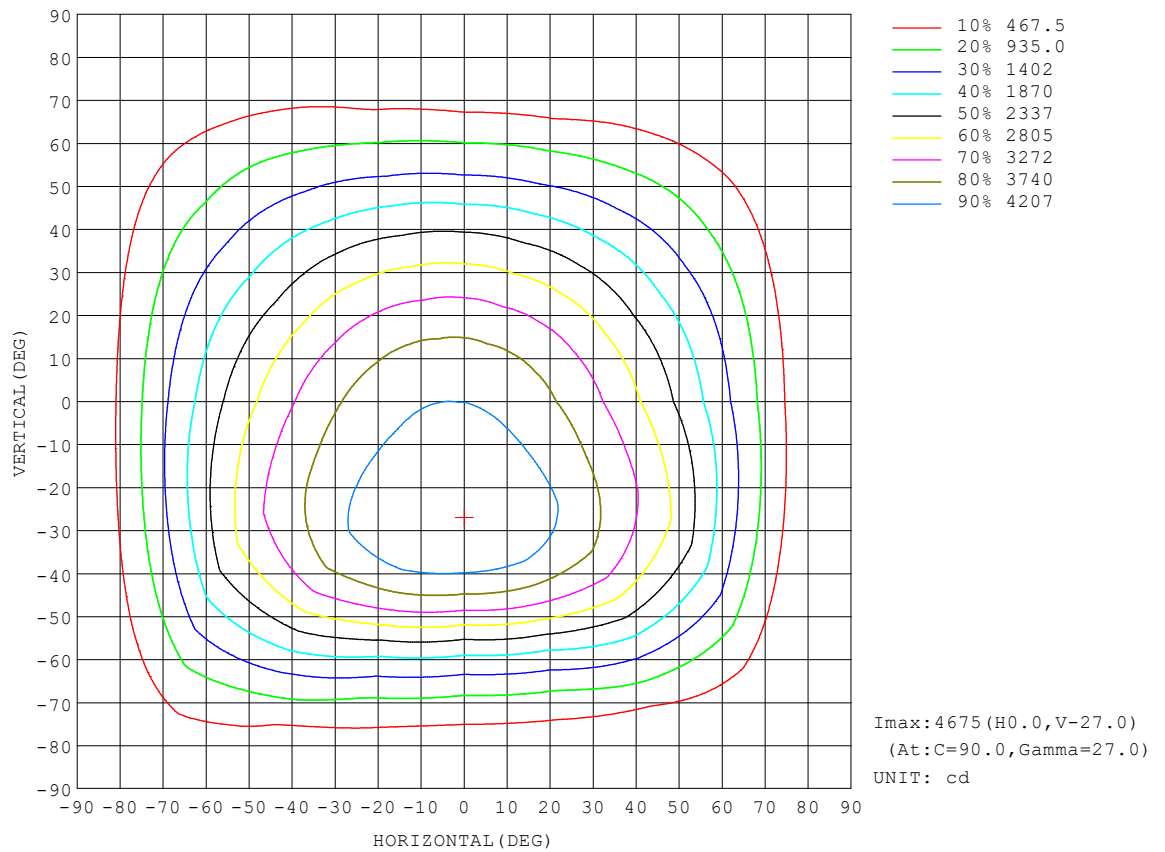
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4075	4274	4402	4337	4181	4016	3921	3953	0- 10	398.4	398.4	3.41,3.41
20	3796	4280	4601	4402	4003	3671	3482	3543	10- 20	1150	1549	13.3,13.3
30	3384	4223	4637	4394	3683	3179	2921	2998	20- 30	1771	3320	28.4,28.4
40	2865	3972	4187	4193	3242	2589	2287	2380	30- 40	2169	5488	47,47
50	2255	3341	3077	3624	2705	1935	1573	1711	40- 50	2233	7721	66.1,66.1
60	1551	2283	1752	2613	2056	1289	938.3	1070	50- 60	1903	9625	82.4,82.4
70	794.5	1126	756.1	1436	1315	709.4	337.4	472.5	60- 70	1279	10904	93.3,93.3
80	129.3	180.9	145.0	430.3	536.5	160.2	31.87	48.53	70- 80	567.5	11471	98.2,98.2
90	6.968	3.767	3.043	4.835	9.194	6.054	4.669	7.281	80- 90	79.86	11551	98.9,98.9
100	11.73	6.945	5.036	5.710	8.384	10.43	9.697	12.92	90-100	7.376	11558	98.9,98.9
110	17.39	11.10	8.793	9.569	13.39	16.31	16.52	19.37	100-110	11.99	11570	99,99
120	23.54	16.16	13.51	14.38	19.19	22.70	24.18	26.18	110-120	16.80	11587	99.2,99.2
130	29.17	21.55	18.90	19.71	25.13	28.88	31.39	32.41	120-130	20.54	11608	99.4,99.4
140	33.69	26.66	24.27	24.93	30.60	34.05	37.17	37.69	130-140	22.02	11630	99.5,99.5
150	37.19	31.55	29.50	30.20	35.17	38.17	40.88	41.07	140-150	20.86	11650	99.7,99.7
160	40.40	36.18	34.78	35.27	38.89	41.06	42.83	42.83	150-160	17.18	11668	99.9,99.9
170	43.31	40.55	39.84	40.29	42.34	43.00	44.12	43.84	160-170	11.44	11679	100,100
180	44.35	43.28	43.79	43.63	44.71	43.36	43.55	43.58	170-180	4.083	11683	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

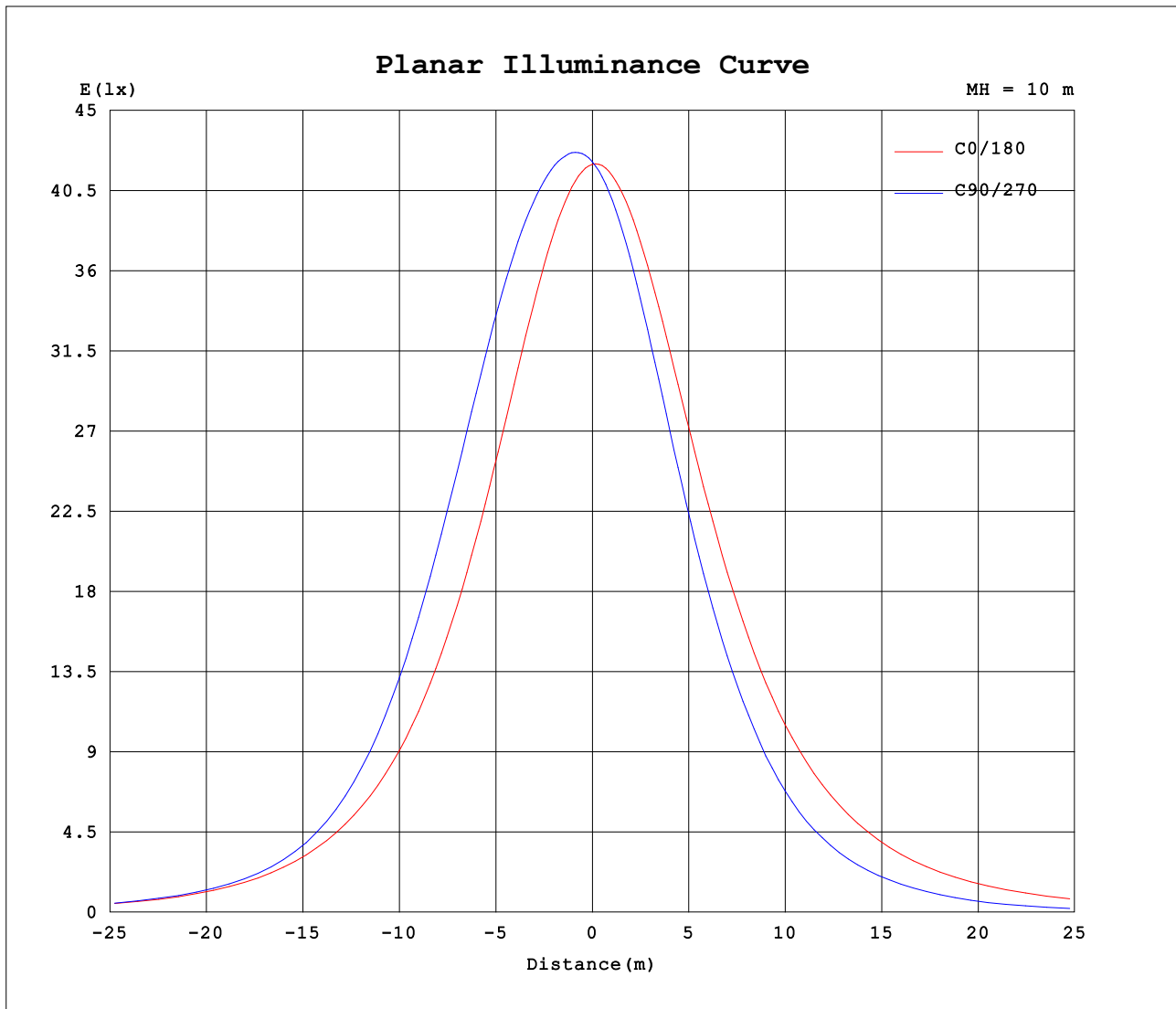
Test:U:275.23V I:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



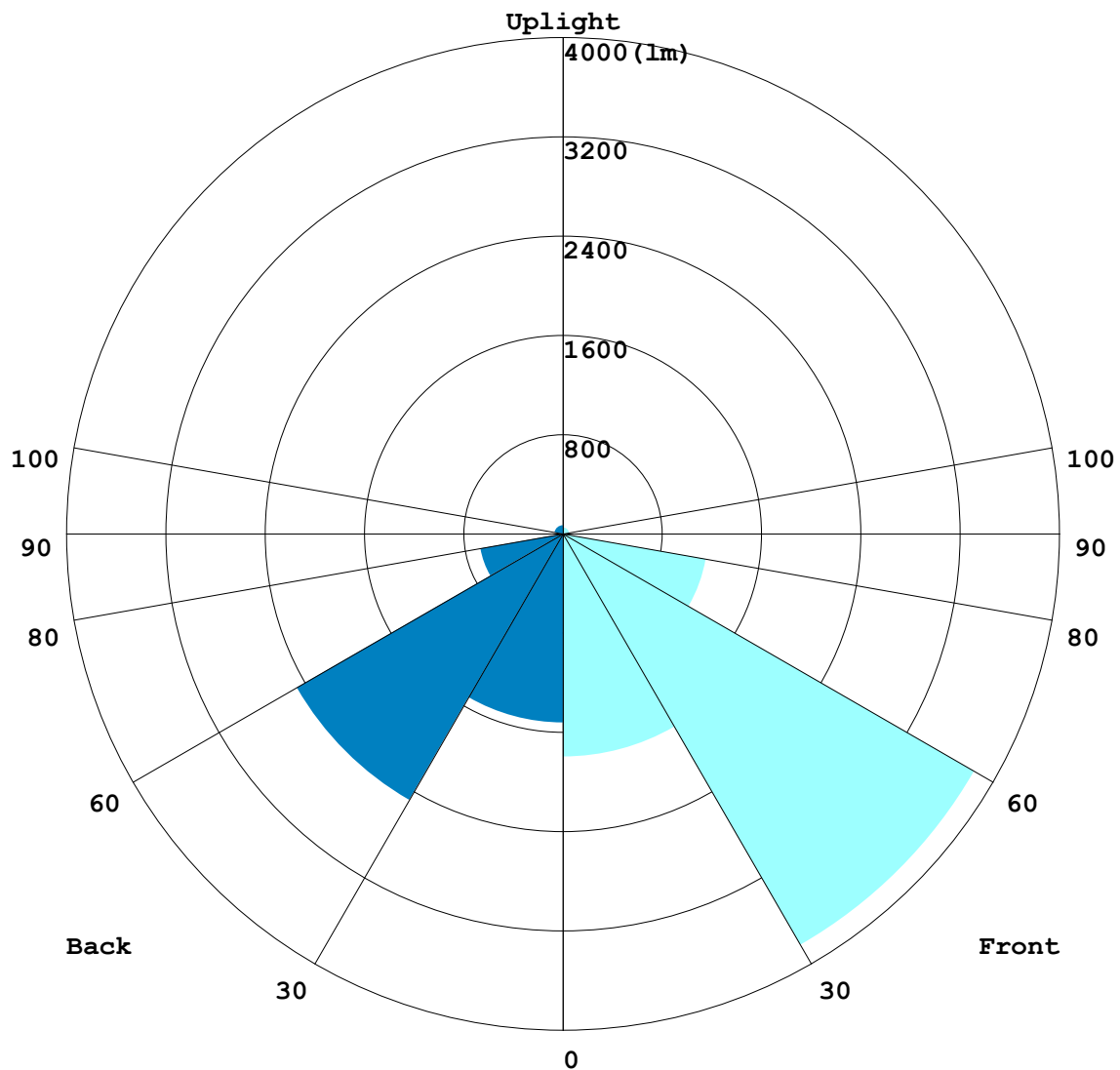
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 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)	1797.2	15.4
FM - Front-Medium(30-60)	3826.9	32.8
FH - Front-High(60-80)	1170.8	10.0
FVH - Front-Very High(80-90)	48.619	0.4
Total Forward Light	6900.3	59.1

BL - Back-Low(0-30)	1522.4	13.0
BM - Back-Medium(30-60)	2478.3	21.2
BH - Back-High(60-80)	675.51	5.8
BVH - Back-Very High(80-90)	31.238	0.3
Total Back Light	4782.8	40.9

UL - Uplight-Low(90-100)	7.3755	0.1
UH - Uplight-High(100-180)	124.9	1.1
Total Up Light	132.28	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4707.4	75.385	4782.8
Street Side	6843.4	56.893	6900.3

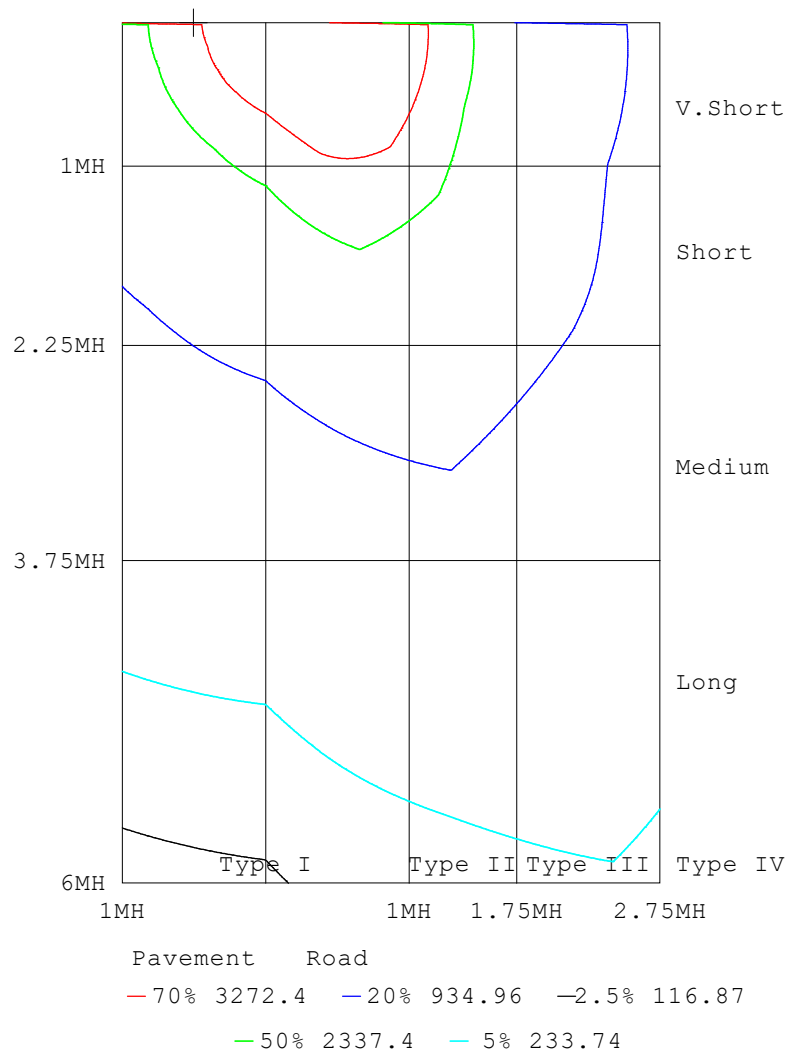
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 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:0.2814A P:77.027W PF:0.9944 Freq:60.00Hz Lamp Flux:11683.2x1 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	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204	4204			
5	4158	4207	4250	4287	4305	4301	4283	4249	4211	4165	4127	4096	4080	4077	4100	4125			
10	4075	4176	4274	4361	4402	4391	4337	4257	4181	4090	4016	3954	3921	3913	3953	4007			
15	3954	4114	4283	4434	4504	4480	4375	4232	4111	3976	3863	3766	3721	3711	3767	3852			
20	3796	4022	4280	4505	4601	4562	4402	4181	4003	3822	3671	3541	3482	3471	3543	3658			
25	3606	3909	4264	4549	4663	4621	4408	4100	3860	3630	3441	3283	3214	3195	3283	3427			
30	3384	3773	4223	4530	4637	4619	4394	3999	3683	3405	3179	3001	2921	2905	2998	3164			
35	3136	3618	4135	4412	4490	4517	4334	3875	3479	3144	2894	2704	2612	2596	2694	2875			
40	2865	3449	3972	4164	4187	4288	4193	3736	3242	2860	2589	2387	2287	2270	2380	2564			
45	2570	3256	3709	3755	3708	3899	3967	3570	2983	2551	2277	2058	1925	1938	2034	2240			
50	2255	3023	3341	3190	3077	3356	3624	3370	2705	2233	1935	1704	1573	1576	1711	1916			
55	1917	2719	2858	2523	2374	2693	3168	3106	2403	1910	1617	1369	1249	1252	1380	1593			
60	1551	2315	2283	1853	1752	2014	2613	2770	2056	1584	1289	1061	938	952	1070	1266			
65	1174	1815	1678	1327	1257	1461	2002	2337	1696	1254	989	737	594	608	787	945			
70	795	1302	1126	807	756	977	1436	1816	1315	926	709	422	337	334	473	630			
75	439	790	558	477	474	566	897	1286	924	616	399	220	164	151	210	360			
80	129	312	181	143	145	241	430	770	537	345	160	65.6	31.9	23.3	48.5	107			
85	7.42	7.49	9.29	10.1	12.1	21.8	103	280	198	106	22.5	5.37	4.44	5.04	6.41	7.60			
90	6.97	5.00	3.77	3.04	3.04	3.65	4.83	6.44	9.19	7.31	6.05	4.91	4.67	5.71	7.28	7.74			
95	9.22	6.80	5.22	4.10	3.59	3.59	4.18	5.01	6.24	7.60	7.81	7.15	6.92	8.21	9.94	10.2			
100	11.7	8.91	6.94	5.63	5.04	5.01	5.71	6.78	8.38	9.98	10.4	9.93	9.70	11.2	12.9	12.9			
105	14.5	11.2	8.93	7.45	6.79	6.73	7.53	8.86	10.7	12.6	13.3	13.1	12.9	14.6	16.1	15.8			
110	17.4	13.8	11.1	9.55	8.79	8.75	9.57	11.2	13.4	15.4	16.3	16.5	16.5	18.2	19.4	18.9			
115	20.5	16.5	13.5	11.8	11.0	11.0	11.8	13.7	16.2	18.4	19.5	20.1	20.3	21.9	22.8	22.0			
120	23.5	19.3	16.2	14.3	13.5	13.4	14.4	16.3	19.2	21.5	22.7	23.7	24.2	25.7	26.2	25.3			
125	26.5	22.2	18.9	16.9	16.2	16.0	17.0	19.1	22.2	24.6	25.9	27.2	28.0	29.3	29.4	28.3			
130	29.2	24.9	21.6	19.6	18.9	18.7	19.7	21.8	25.1	27.5	28.9	30.4	31.4	32.5	32.4	30.9			
135	31.5	27.4	24.1	22.3	21.6	21.4	22.3	24.4	28.0	30.2	31.6	33.3	34.4	35.5	35.2	33.3			
140	33.7	29.7	26.7	24.9	24.3	24.0	24.9	26.9	30.6	32.7	34.1	35.9	37.2	38.2	37.7	35.6			
145	35.6	32.0	29.2	27.4	26.9	26.6	27.6	29.3	32.9	34.9	36.2	38.0	39.3	40.2	39.5	37.4			
150	37.2	34.2	31.5	30.0	29.5	29.2	30.2	31.7	35.2	37.0	38.2	39.7	40.9	41.7	41.1	39.1			
155	38.8	36.2	33.8	32.4	32.2	31.9	32.7	34.0	37.2	38.7	39.8	41.1	42.0	42.6	42.2	40.4			
160	40.4	38.3	36.2	34.9	34.8	34.6	35.3	36.2	38.9	40.0	41.1	42.2	42.8	43.3	42.8	41.2			
165	41.9	40.3	38.5	37.4	37.3	37.3	37.8	38.5	40.6	41.2	42.1	43.1	43.5	43.9	43.3	42.0			
170	43.3	42.1	40.5	39.8	39.8	39.9	40.3	40.6	42.3	42.3	43.0	43.9	44.1	44.4	43.8	42.8			
175	44.2	43.4	42.1	41.7	41.9	42.0	42.2	42.2	43.8	43.1	43.4	44.0	43.9	44.3	43.9	43.2			
180	44.3	43.8	43.3	43.4	43.8	43.7	43.6	43.4	44.7	43.5	43.4	43.7	43.6	43.9	43.6	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: