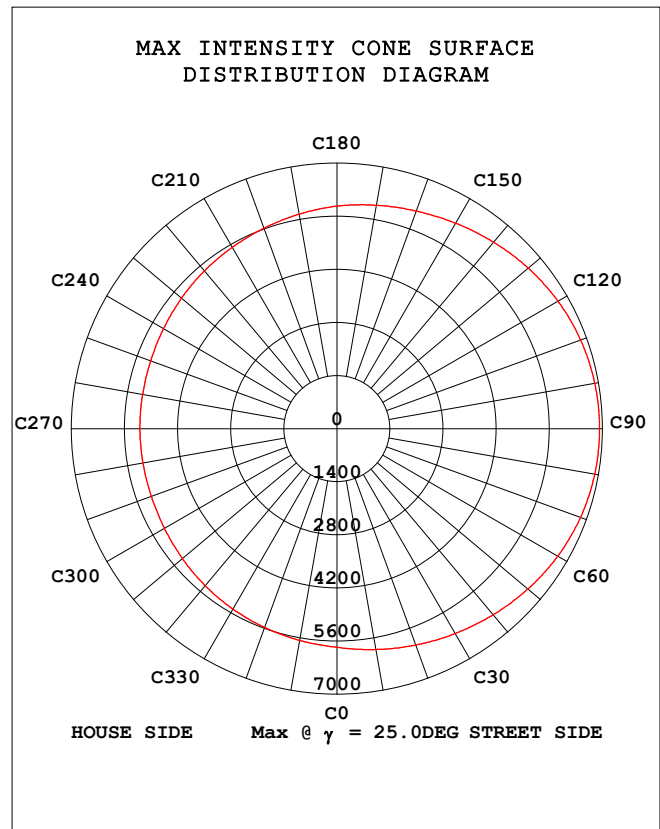
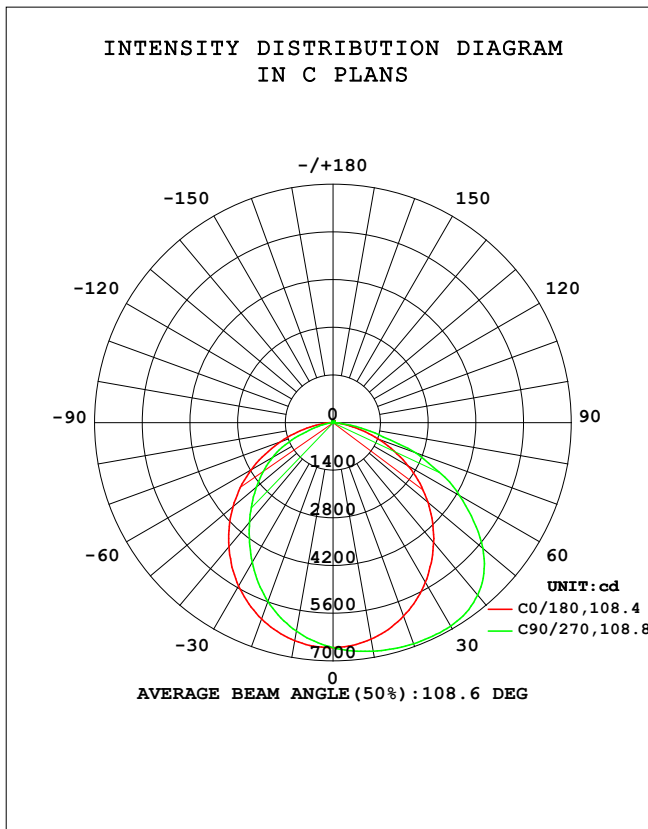


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.92 lm/W			
MODEL		I _{max} (cd)	6922	η street_up (%)	0.5
NOMINAL POWER(W)	120	LOR (%)	100.0	η street_down (%)	58.2
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	19163	η house_up (%)	0.6
NOMINAL FLUX(lm)	19162.7	MAXIMUM @ (C, γ)	90,25.0	η house_down (%)	40.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

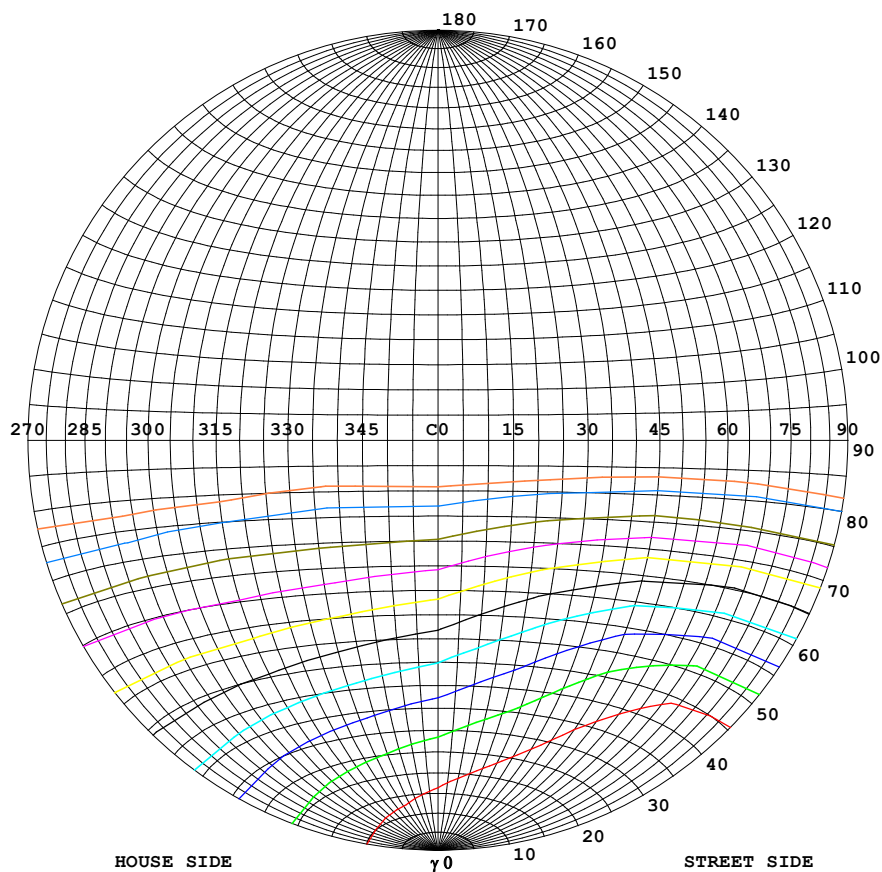


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

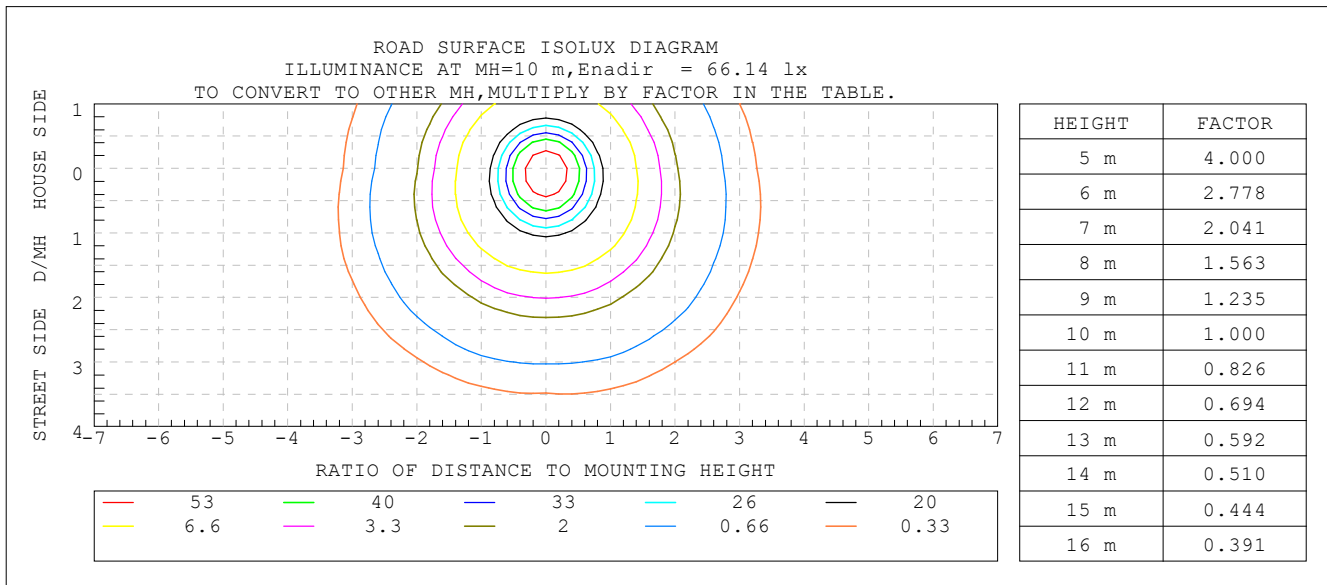
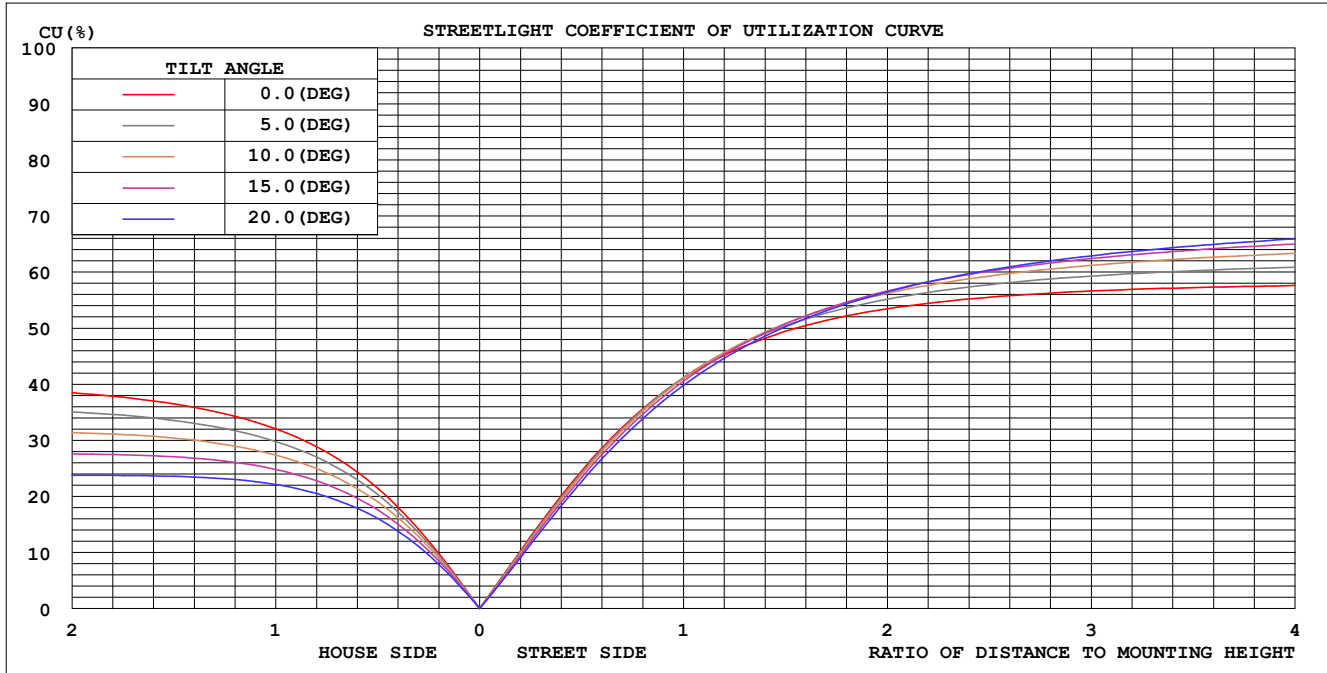
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:45.97cd/klm
Max.At90:0.6646cd/klm
Max.80-90:45.97cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6922
90%	6229
80%	5537
70%	4845
60%	4153
50%	3461
40%	2769
30%	2076
20%	1384
10%	692
5%	346

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

gamma Range: 0 - 180DEG
gamma 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: 2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

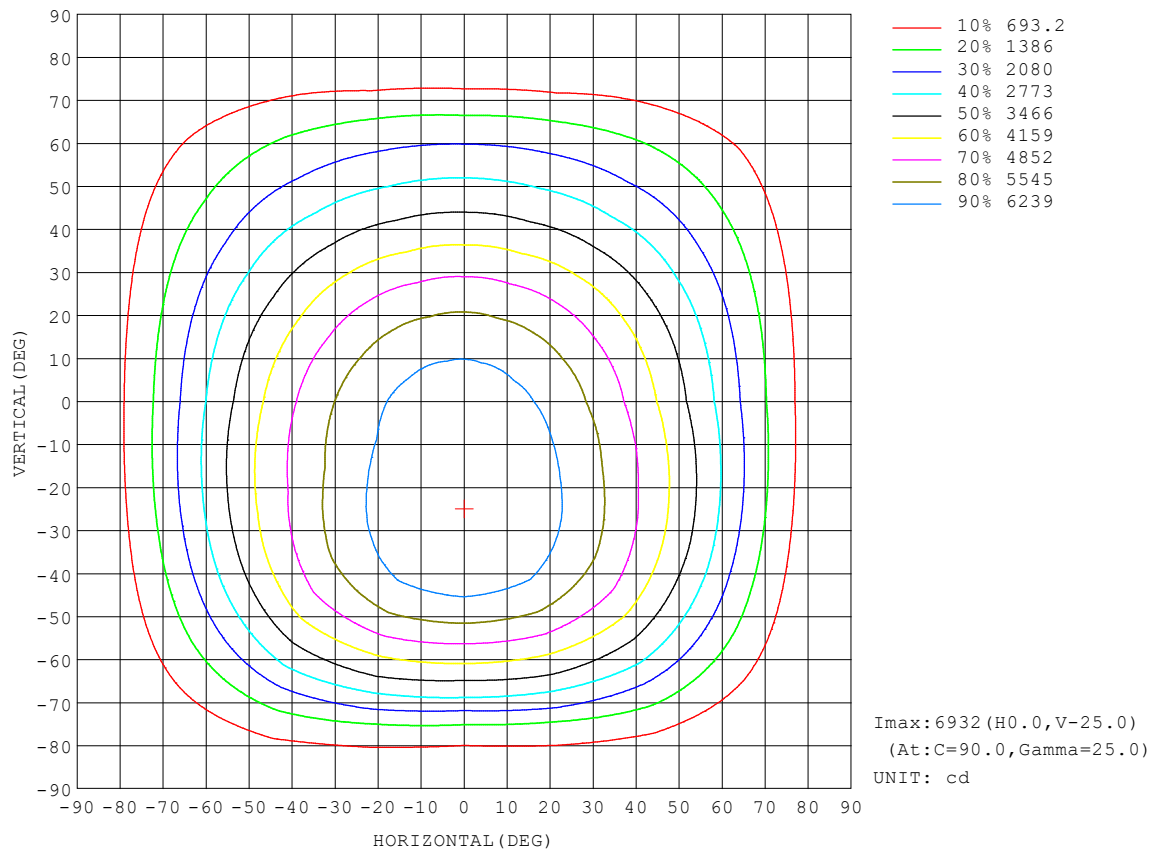
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6457	6694	6816	6706	6502	6302	6218	6292	0- 10	625.5	625.5	3.26,3.26
20	6049	6598	6910	6614	6138	5754	5593	5729	10- 20	1795	2421	12.6,12.6
30	5420	6344	6901	6365	5546	4992	4751	4951	20- 30	2737	5158	26.9,26.9
40	4597	5927	6609	5961	4760	4070	3820	4013	30- 40	3337	8495	44.3,44.3
50	3647	5196	5740	5262	3839	3106	2934	3044	40- 50	3515	12010	62.7,62.7
60	2558	4040	4294	4149	2776	2177	2058	2107	50- 60	3204	15214	79.4,79.4
70	1417	2502	2585	2631	1636	1299	943.8	1225	60- 70	2392	17605	91.9,91.9
80	413.2	770.9	690.7	873.3	606.0	317.5	195.0	262.9	70- 80	1172	18777	98,98
90	8.896	6.620	6.546	7.548	9.536	11.21	12.14	12.35	80- 90	179.0	18956	98.9,98.9
100	15.39	11.47	10.40	11.61	13.98	19.33	21.44	20.77	90-100	13.24	18969	99,99
110	23.28	17.76	16.49	18.05	21.62	28.27	31.57	29.85	100-110	20.50	18989	99.1,99.1
120	32.00	25.10	23.56	25.60	30.29	37.80	41.79	39.54	110-120	27.40	19017	99.2,99.2
130	40.39	32.96	31.45	33.66	38.82	46.75	50.81	48.41	120-130	32.50	19049	99.4,99.4
140	47.01	40.03	38.66	40.83	45.91	53.39	56.78	54.50	130-140	33.91	19083	99.6,99.6
150	52.63	46.83	45.61	47.49	51.70	57.71	60.48	58.42	140-150	31.32	19115	99.7,99.7
160	57.74	53.12	52.28	53.69	56.82	60.59	62.27	61.09	150-160	25.35	19140	99.9,99.9
170	62.41	59.04	58.80	60.20	61.87	63.03	63.58	63.49	160-170	16.76	19157	100,100
180	64.66	63.26	64.17	64.43	64.90	63.46	63.36	64.21	170-180	5.976	19163	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:2025-07-18

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

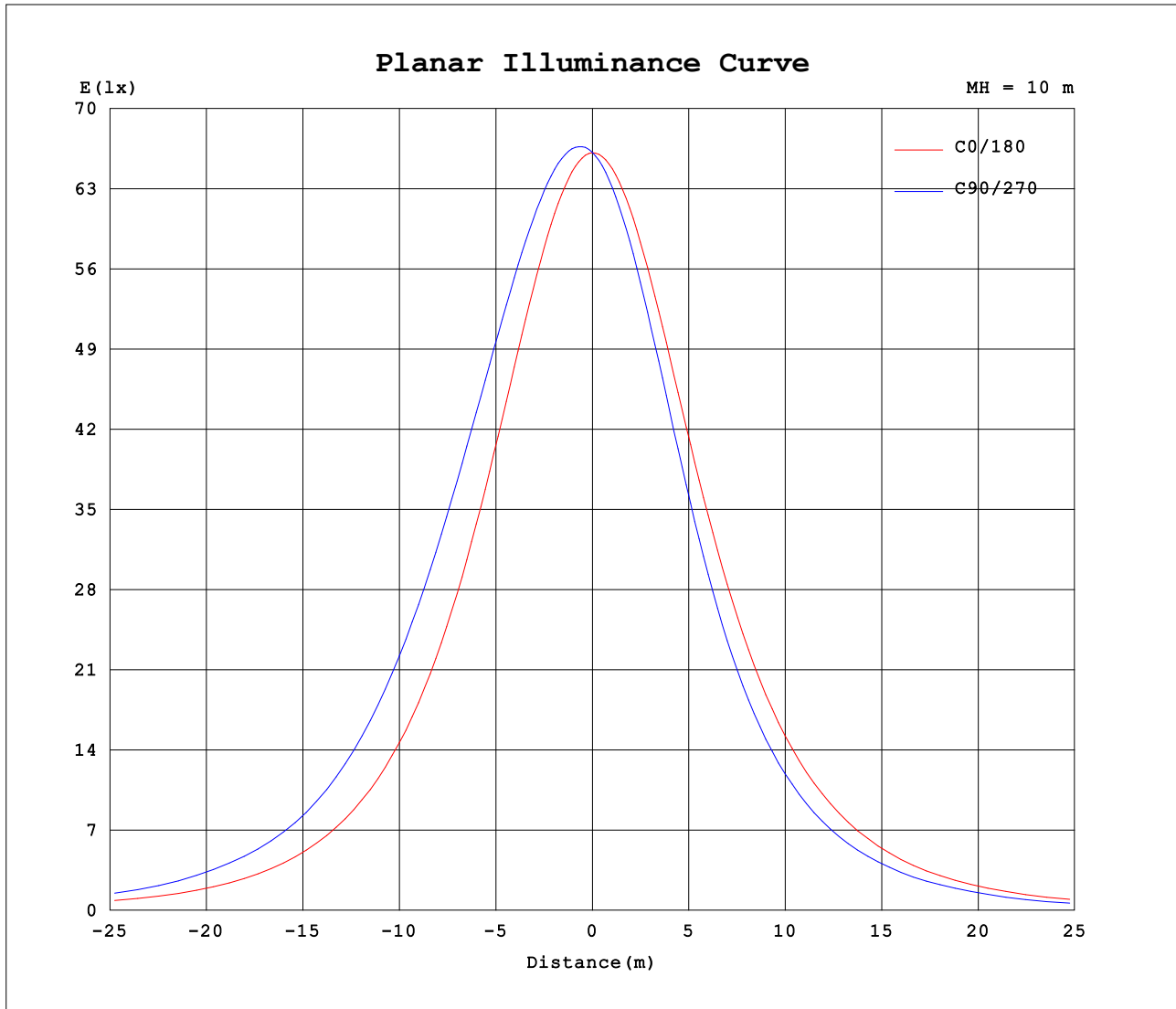
Test:U:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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



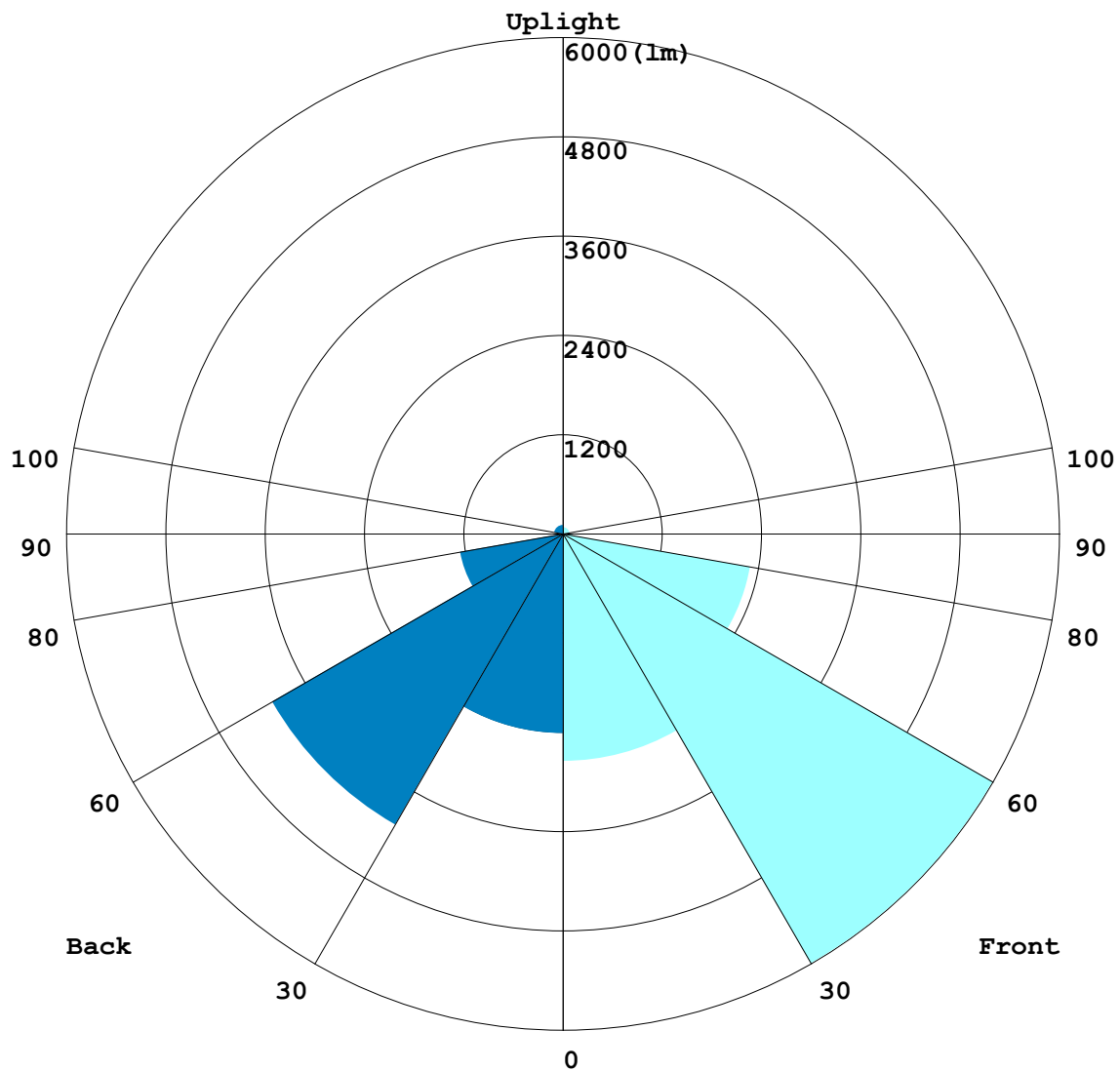
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 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:2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 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)	2745.8	14.3
FM - Front-Medium(30-60)	5995.1	31.3
FH - Front-High(60-80)	2297.4	12.0
FVH - Front-Very High(80-90)	121.33	0.6
Total Forward Light	11249	58.7

BL - Back-Low(0-30)	2411.8	12.6
BM - Back-Medium(30-60)	4060.8	21.2
BH - Back-High(60-80)	1265.7	6.6
BVH - Back-Very High(80-90)	57.704	0.3
Total Back Light	7914.2	41.3

UL - Uplight-Low(90-100)	13.24	0.1
UH - Uplight-High(100-180)	193.7	1.0
Total Up Light	206.94	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
----------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7796.1	118.1	7914.2
Street Side	11160	88.842	11249

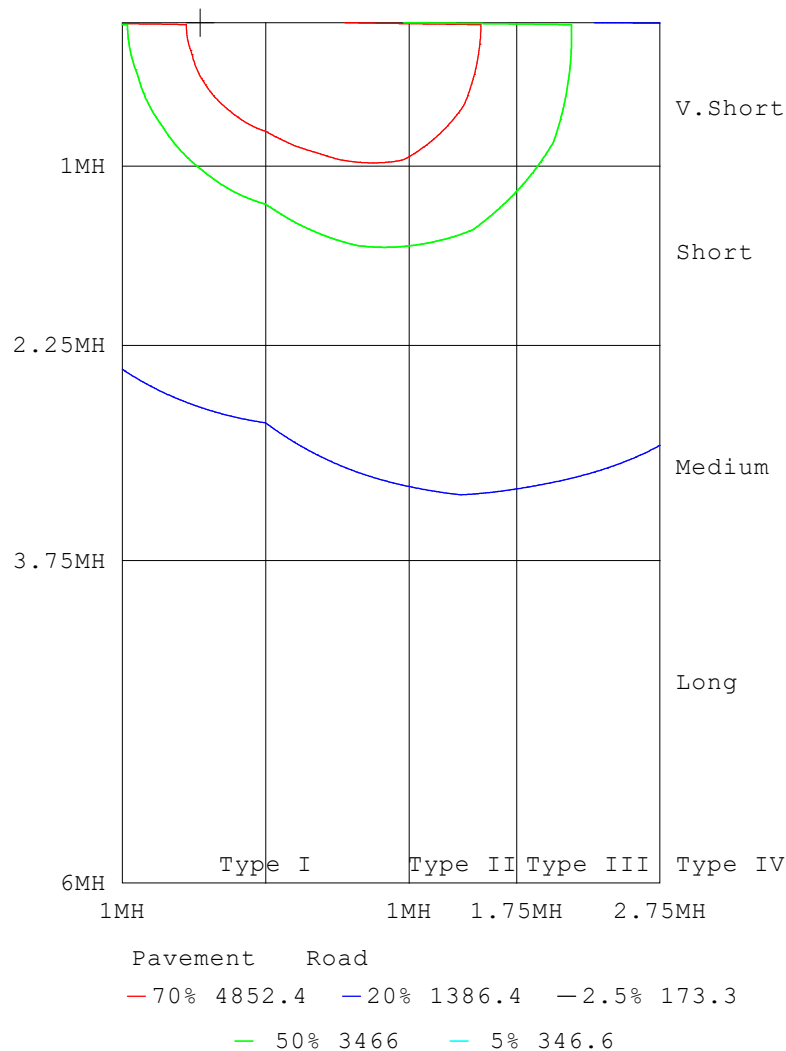
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 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:2025-07-18

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:275.36V I:0.4268A P:116.91W PF:0.9947 Freq:60.00Hz Lamp Flux:19162.7x1 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	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609	6609			
5	6565	6625	6677	6715	6727	6718	6685	6636	6585	6529	6487	6452	6441	6446	6480	6522			
10	6457	6581	6694	6785	6816	6785	6706	6599	6502	6384	6302	6235	6218	6227	6292	6369			
15	6285	6478	6667	6822	6872	6826	6683	6502	6351	6182	6057	5963	5937	5950	6039	6154			
20	6049	6318	6598	6829	6910	6833	6614	6347	6138	5913	5754	5621	5593	5603	5729	5879			
25	5761	6111	6489	6809	6922	6813	6506	6142	5868	5599	5396	5238	5196	5218	5364	5555			
30	5420	5853	6344	6757	6901	6761	6365	5892	5546	5224	4992	4798	4751	4775	4951	5170			
35	5030	5545	6162	6653	6814	6664	6186	5592	5177	4811	4548	4333	4279	4305	4498	4750			
40	4597	5204	5927	6452	6609	6473	5961	5259	4760	4364	4070	3864	3820	3836	4013	4293			
45	4136	4823	5605	6139	6271	6166	5658	4883	4315	3885	3587	3405	3371	3374	3526	3809			
50	3647	4407	5196	5668	5740	5710	5262	4476	3839	3398	3106	2961	2934	2929	3044	3316			
55	3122	3930	4681	5033	5047	5088	4771	4018	3328	2896	2641	2527	2507	2494	2578	2806			
60	2558	3375	4040	4282	4294	4345	4149	3471	2776	2382	2177	2092	2058	2057	2107	2295			
65	1983	2720	3294	3514	3433	3582	3420	2845	2202	1874	1732	1643	1550	1596	1666	1784			
70	1417	2000	2502	2595	2585	2664	2631	2148	1636	1394	1299	1095	944	1044	1225	1306			
75	882	1292	1570	1455	1405	1553	1694	1447	1095	941	794	554	494	515	683	848			
80	413	640	771	811	691	881	873	805	606	533	317	223	195	192	263	441			
85	66.8	141	131	82.2	115	141	188	226	194	128	53.6	17.4	13.0	13.5	22.1	73.8			
90	8.90	7.37	6.62	6.48	6.55	7.00	7.55	8.33	9.54	10.1	11.2	11.9	12.1	12.7	12.3	10.9			
95	11.9	9.92	8.77	8.00	7.83	8.09	8.85	9.91	10.7	13.1	15.1	16.2	16.5	17.1	16.4	14.4			
100	15.4	12.9	11.5	10.5	10.4	10.7	11.6	12.9	14.0	16.9	19.3	20.8	21.4	21.9	20.8	18.3			
105	19.2	16.1	14.5	13.4	13.3	13.6	14.7	16.3	17.7	20.9	23.7	25.6	26.5	26.8	25.2	22.5			
110	23.3	19.7	17.8	16.5	16.5	16.8	18.0	19.9	21.6	25.3	28.3	30.5	31.6	31.7	29.9	27.0			
115	27.6	23.6	21.3	19.9	19.9	20.2	21.7	23.8	25.8	29.9	33.0	35.4	36.7	36.8	34.7	31.7			
120	32.0	27.7	25.1	23.5	23.6	23.9	25.6	28.0	30.3	34.6	37.8	40.5	41.8	41.9	39.5	36.4			
125	36.4	31.8	29.1	27.3	27.5	27.9	29.7	32.2	34.6	39.2	42.6	45.1	46.7	46.7	44.3	40.9			
130	40.4	35.7	33.0	31.2	31.5	31.8	33.7	36.3	38.8	43.4	46.7	49.3	50.8	50.9	48.4	44.8			
135	43.9	39.3	36.6	34.9	35.1	35.4	37.3	40.0	42.5	47.0	50.4	52.7	54.1	54.2	51.8	48.1			
140	47.0	42.8	40.0	38.3	38.7	38.9	40.8	43.3	45.9	50.1	53.4	55.5	56.8	57.0	54.5	50.9			
145	49.9	46.1	43.5	41.8	42.1	42.4	44.2	46.5	49.0	52.8	55.8	58.0	59.1	59.3	56.7	53.5			
150	52.6	49.3	46.8	45.2	45.6	45.9	47.5	49.6	51.7	55.0	57.7	59.5	60.5	60.6	58.4	55.6			
155	55.2	52.3	50.0	48.4	49.0	49.1	50.6	52.4	54.2	57.0	59.2	60.7	61.4	61.6	59.8	57.4			
160	57.7	55.3	53.1	51.6	52.3	52.3	53.7	55.3	56.8	58.9	60.6	61.7	62.3	62.6	61.1	59.2			
165	60.2	58.2	56.3	54.8	55.5	55.6	56.9	58.2	59.4	60.6	61.9	62.6	63.0	63.5	62.3	61.0			
170	62.4	60.9	59.0	58.0	58.8	59.1	60.2	60.9	61.9	62.3	63.0	63.4	63.6	64.2	63.5	62.7			
175	64.0	62.9	61.4	60.7	61.6	61.8	62.6	62.9	64.0	63.7	63.9	64.0	63.9	64.9	64.4	64.1			
180	64.7	63.9	63.3	63.2	64.2	64.1	64.4	64.1	64.9	63.7	63.5	63.5	63.4	64.5	64.2	64.3			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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: