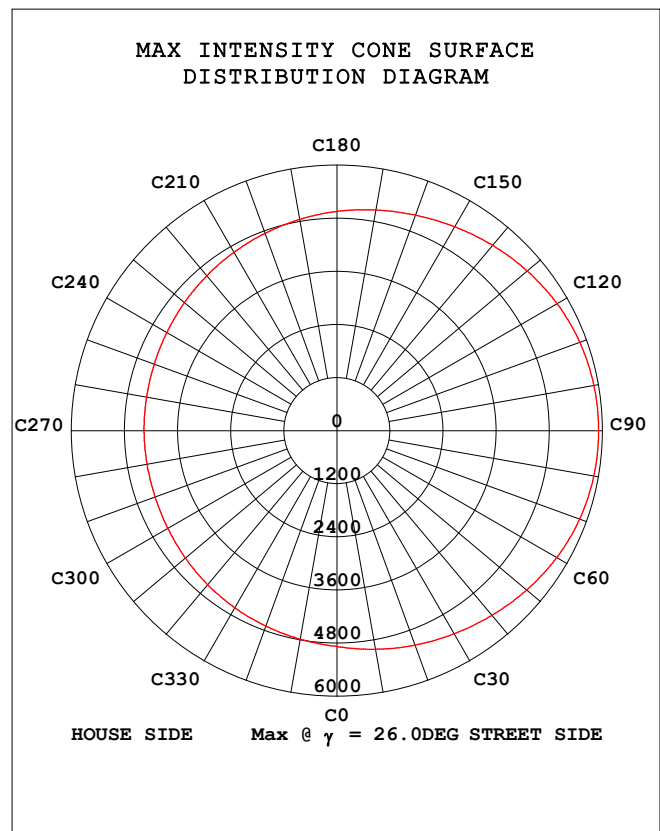
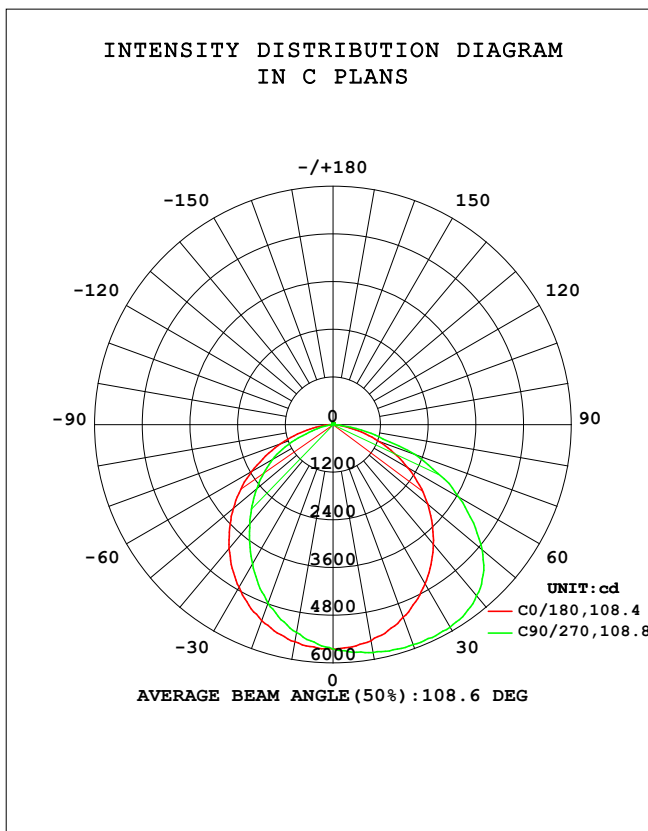


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.71 lm/W			
MODEL		I _{max} (cd)	5910	η street_up (%)	0.5
NOMINAL POWER(W)	100	LOR (%)	100.0	η street_down (%)	58.2
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	16374	η house_up (%)	0.6
NOMINAL FLUX(lm)	16374.1	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	

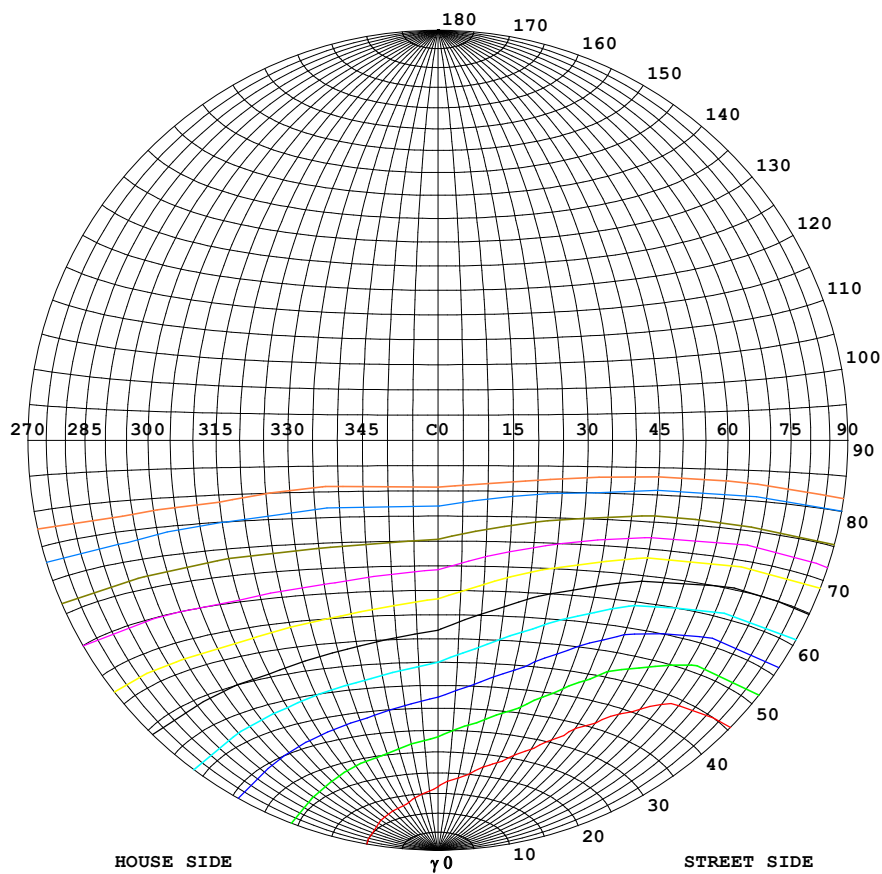


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

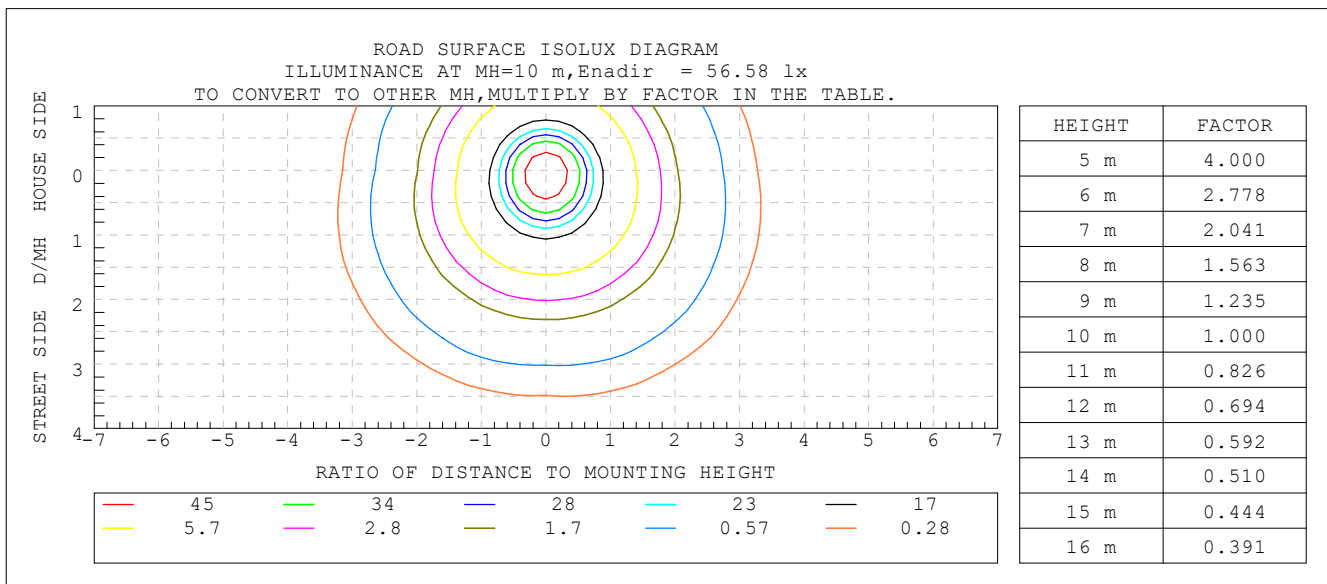
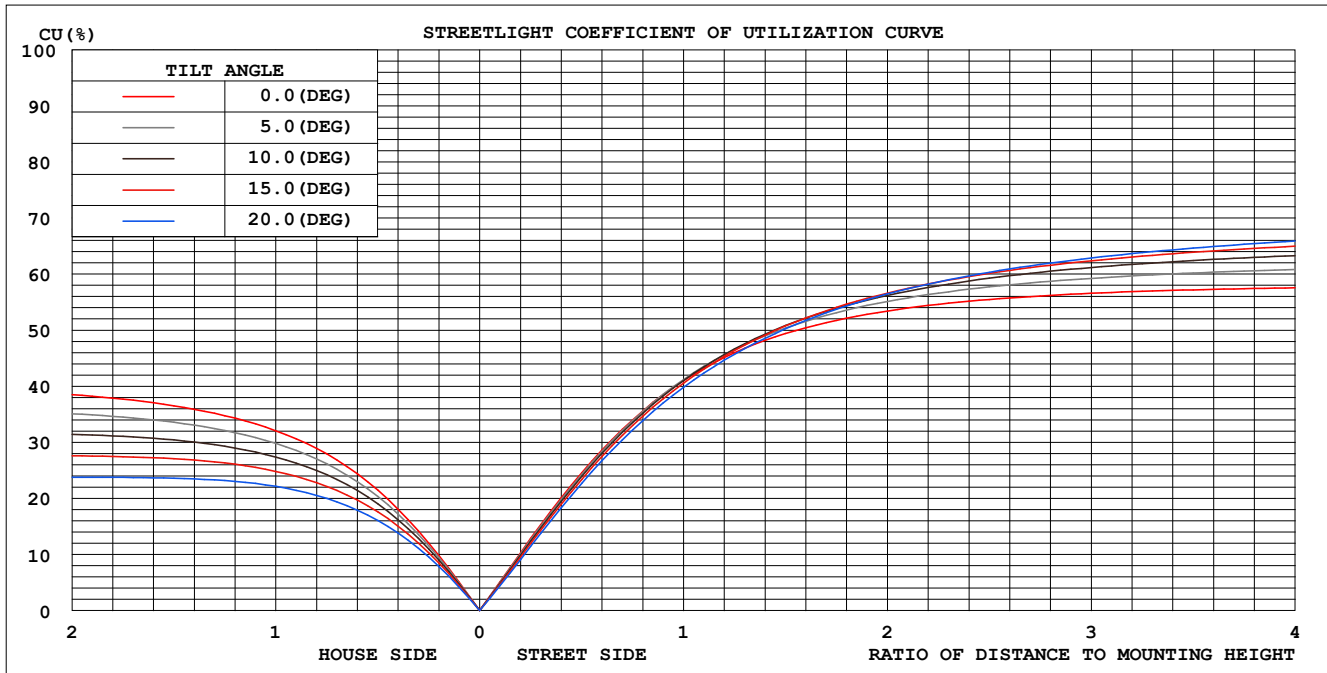
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:46.18cd/klm
Max.At90:0.6725cd/klm
Max.80-90:46.18cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5910
90%	5319
80%	4728
70%	4137
60%	3546
50%	2955
40%	2364
30%	1773
20%	1182
10%	591
5%	296

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:

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

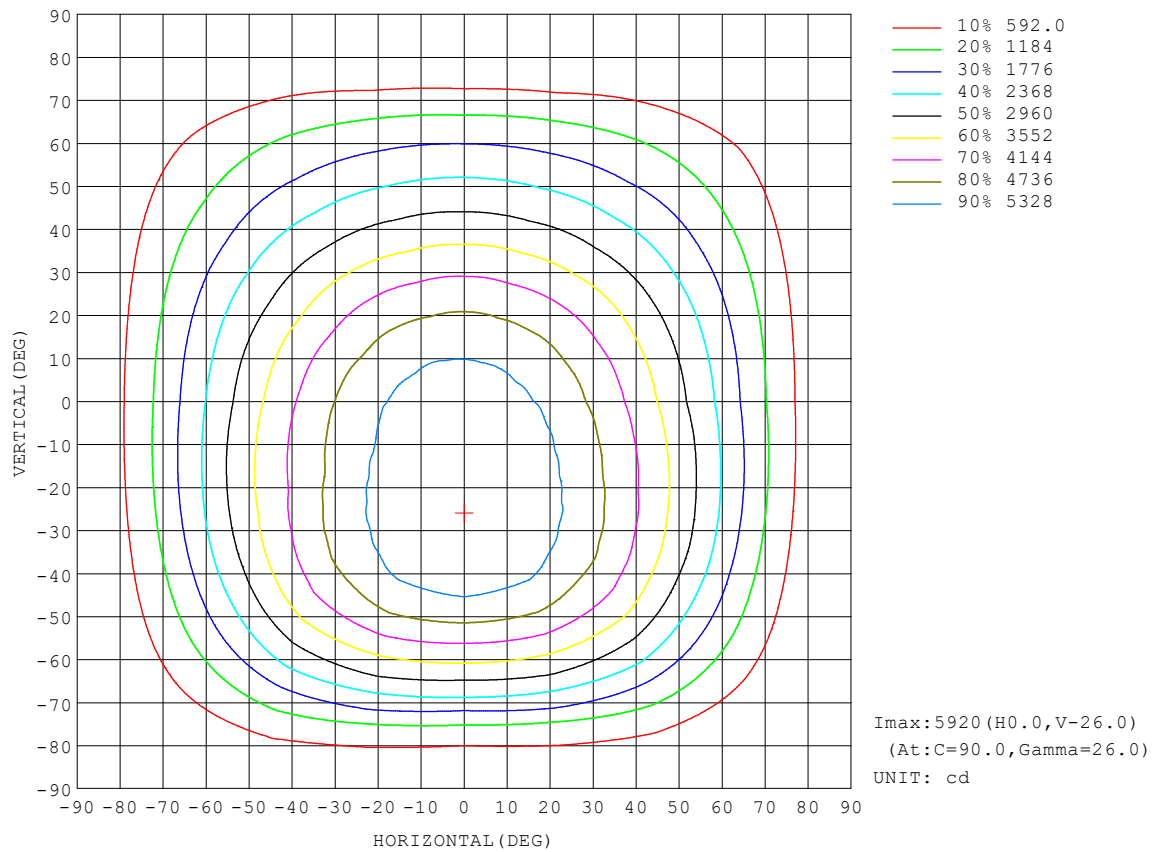
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5522	5718	5827	5737	5550	5380	5309	5369	0- 10	534.6	534.6	3.27,3.27
20	5158	5627	5893	5637	5253	4927	4785	4901	10- 20	1534	2069	12.6,12.6
30	4634	5421	5891	5442	4731	4260	4056	4222	20- 30	2339	4408	26.9,26.9
40	3924	5043	5624	5080	4074	3486	3269	3437	30- 40	2851	7259	44.3,44.3
50	3115	4437	4908	4491	3273	2653	2509	2596	40- 50	3003	10262	62.7,62.7
60	2179	3439	3663	3546	2376	1855	1763	1801	50- 60	2736	12998	79.4,79.4
70	1207	2121	2201	2255	1398	1111	811.5	1048	60- 70	2042	15040	91.9,91.9
80	346.6	656.3	595.8	737.8	516.2	271.0	161.6	221.8	70- 80	1001	16041	98,98
90	7.599	5.801	5.634	6.418	8.142	9.750	10.59	10.64	80- 90	153.3	16195	98.9,98.9
100	13.24	10.10	9.105	9.916	11.96	16.74	18.73	17.83	90-100	11.45	16206	99,99
110	19.99	15.55	14.41	15.44	18.54	24.59	27.72	25.78	100-110	17.76	16224	99.1,99.1
120	27.62	22.17	20.67	21.96	25.96	32.86	36.68	34.07	110-120	23.76	16248	99.2,99.2
130	34.68	28.94	27.53	28.83	33.35	40.64	44.58	41.79	120-130	28.18	16276	99.4,99.4
140	40.48	35.28	33.88	35.01	39.37	46.38	49.83	46.95	130-140	29.42	16305	99.6,99.6
150	45.32	41.26	39.94	40.72	44.37	50.23	53.12	50.38	140-150	27.17	16332	99.7,99.7
160	49.62	46.67	45.63	45.92	48.88	52.80	54.85	52.83	150-160	21.99	16354	99.9,99.9
170	53.80	52.03	51.46	51.63	53.04	54.79	55.86	54.75	160-170	14.54	16369	100,100
180	55.60	55.71	55.99	55.05	55.66	55.15	55.79	55.46	170-180	5.186	16374	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

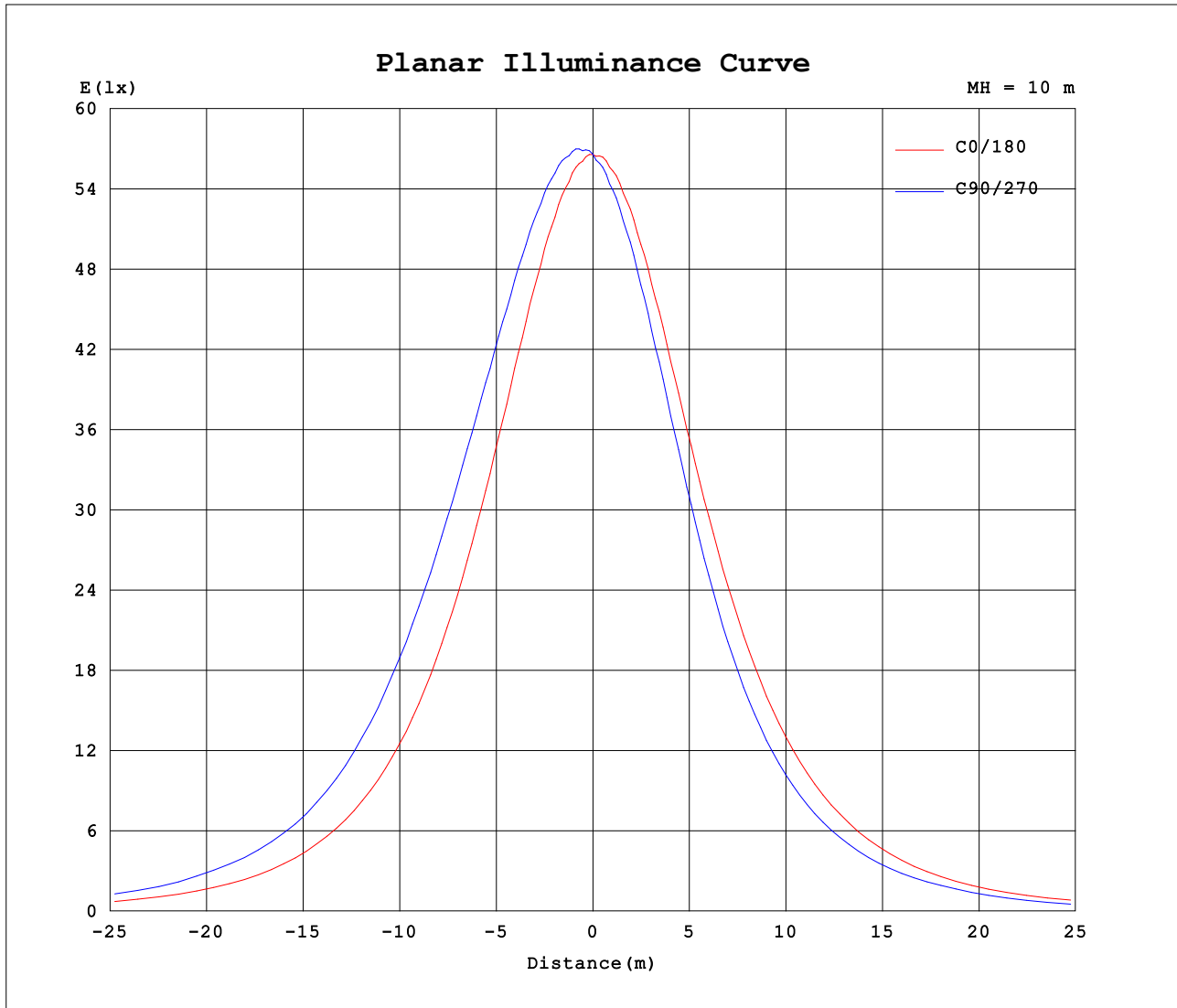
Test:U:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



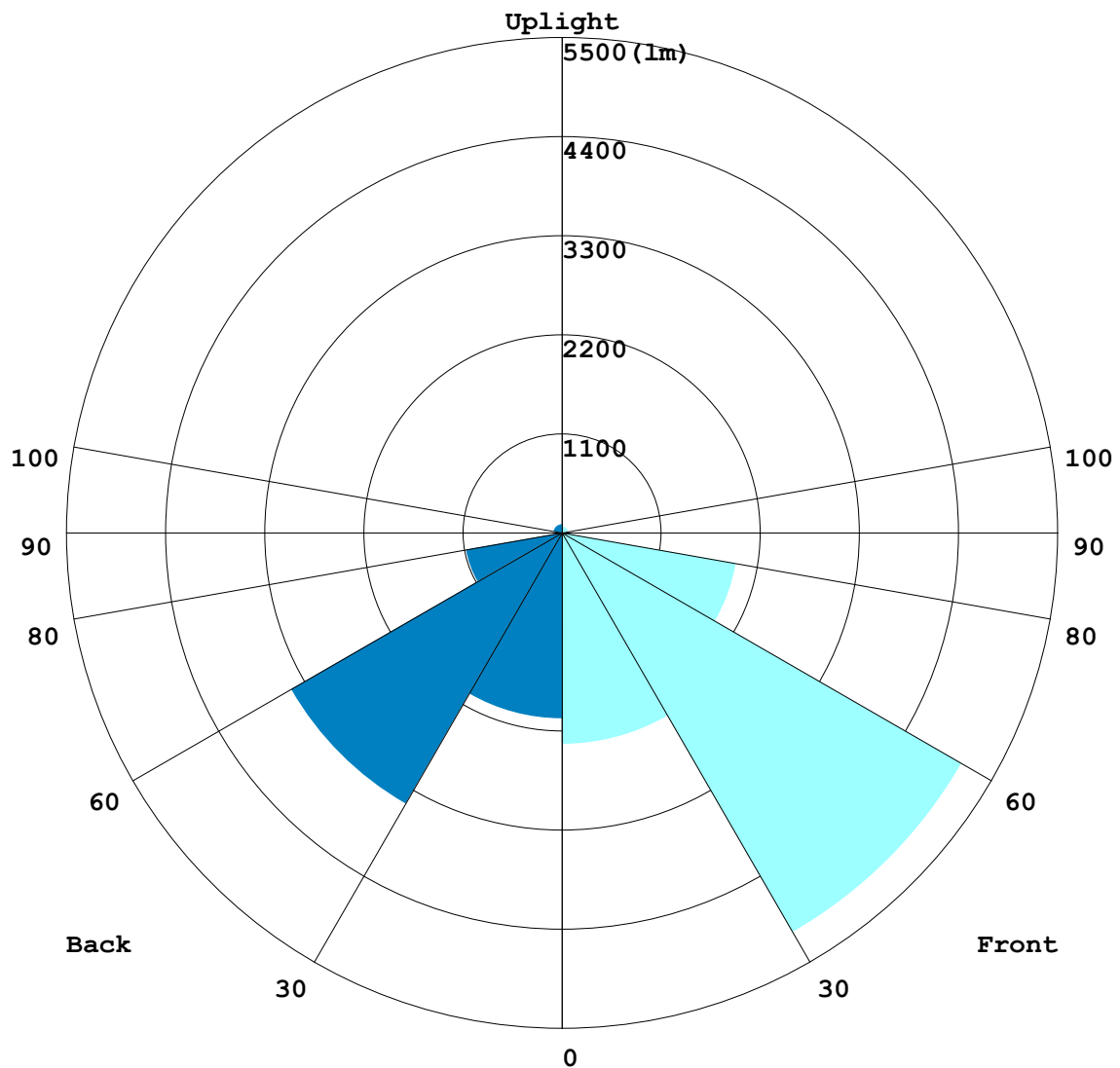
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 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:2025-07-18

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 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)	2345.6	14.3
FM - Front-Medium(30-60)	5118	31.3
FH - Front-High(60-80)	1961.8	12.0
FVH - Front-Very High(80-90)	104.14	0.6
Total Forward Light	9606.5	58.7

BL - Back-Low(0-30)	2062.2	12.6
BM - Back-Medium(30-60)	3472.3	21.2
BH - Back-High(60-80)	1081.6	6.6
BVH - Back-Very High(80-90)	49.142	0.3
Total Back Light	6767.6	41.3

UL - Uplight-Low(90-100)	11.452	0.1
UH - Uplight-High(100-180)	168.01	1.0
Total Up Light	179.46	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6665.2	102.38	6767.6
Street Side	9529.5	77.076	9606.5

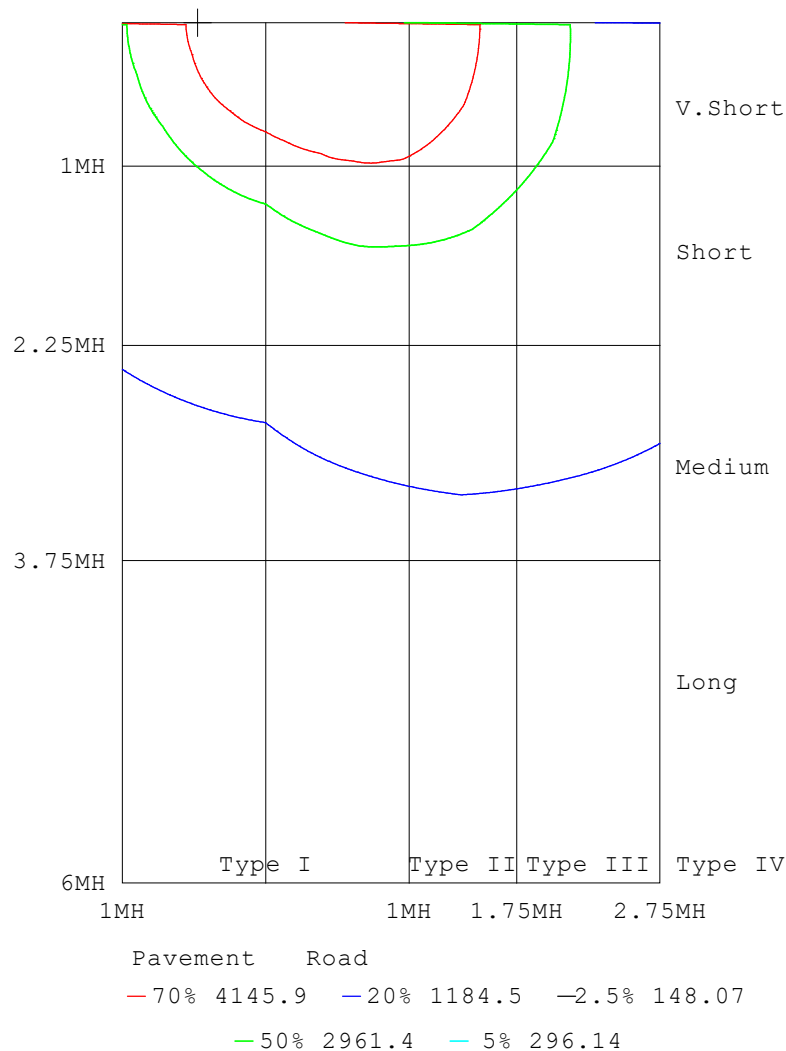
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 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:2025-07-18

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:275.44V I:0.3594A P:98.218W PF:0.9923 Freq:60.00Hz Lamp Flux:16374.1x1 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	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649	5649			
5	5615	5677	5711	5750	5754	5751	5718	5679	5618	5573	5531	5504	5492	5504	5524	5564			
10	5522	5637	5718	5806	5827	5808	5737	5644	5550	5465	5380	5334	5309	5329	5369	5443			
15	5361	5540	5682	5826	5863	5829	5700	5550	5436	5295	5186	5103	5080	5091	5169	5268			
20	5158	5396	5627	5823	5893	5829	5637	5415	5253	5067	4927	4818	4785	4809	4901	5032			
25	4922	5227	5542	5814	5910	5824	5560	5254	5014	4782	4619	4475	4442	4460	4583	4745			
30	4634	5011	5421	5776	5891	5784	5442	5039	4731	4466	4260	4102	4056	4080	4222	4415			
35	4298	4745	5250	5685	5806	5690	5287	4781	4423	4120	3884	3708	3658	3692	3844	4061			
40	3924	4446	5043	5498	5624	5512	5080	4483	4074	3737	3486	3309	3269	3285	3437	3678			
45	3538	4117	4781	5234	5348	5257	4821	4165	3690	3331	3071	2917	2886	2895	3016	3265			
50	3115	3771	4437	4846	4908	4882	4491	3829	3273	2900	2653	2529	2509	2507	2596	2833			
55	2664	3362	3999	4307	4317	4350	4076	3434	2837	2479	2251	2160	2124	2134	2193	2399			
60	2179	2886	3439	3660	3663	3711	3546	2965	2376	2044	1855	1792	1763	1764	1801	1967			
65	1687	2320	2797	2995	2914	3053	2919	2423	1877	1609	1483	1409	1328	1374	1426	1531			
70	1207	1706	2121	2210	2201	2268	2255	1831	1398	1192	1111	924	811	873	1048	1115			
75	745	1107	1334	1247	1206	1331	1452	1235	933	797	681	473	422	437	584	721			
80	347	546	656	698	596	756	738	688	516	454	271	191	162	162	222	373			
85	56.4	120	112	67.4	77.9	120	163	199	158	110	45.9	15.1	11.3	11.6	18.6	62.4			
90	7.60	6.31	5.80	5.69	5.63	6.05	6.42	7.02	8.14	8.66	9.75	10.5	10.6	11.0	10.6	9.24			
95	10.2	8.55	7.71	7.08	6.85	7.03	7.54	8.39	9.18	11.3	13.1	14.3	14.4	14.8	14.1	12.2			
100	13.2	11.1	10.1	9.36	9.11	9.30	9.92	11.0	12.0	14.5	16.7	18.4	18.7	18.9	17.8	15.5			
105	16.5	13.9	12.7	11.9	11.7	11.9	12.6	13.8	15.1	18.1	20.6	22.6	23.2	23.2	21.8	19.1			
110	20.0	17.0	15.6	14.6	14.4	14.6	15.4	16.9	18.5	21.9	24.6	26.9	27.7	27.5	25.8	22.9			
115	23.7	20.3	18.7	17.6	17.4	17.6	18.6	20.3	22.2	25.8	28.7	31.3	32.2	31.9	30.0	26.9			
120	27.6	23.9	22.2	20.9	20.7	20.9	22.0	23.8	26.0	29.9	32.9	35.7	36.7	36.3	34.1	30.9			
125	31.3	27.5	25.6	24.3	24.2	24.4	25.4	27.4	29.7	33.8	36.9	39.8	40.8	40.4	38.2	34.6			
130	34.7	30.8	28.9	27.7	27.5	27.7	28.8	30.9	33.3	37.5	40.6	43.5	44.6	44.1	41.8	38.1			
135	37.7	33.9	32.1	30.9	30.7	30.9	31.9	34.0	36.6	40.6	43.8	46.6	47.6	47.1	44.8	40.9			
140	40.5	37.0	35.3	34.0	33.9	34.1	35.0	37.0	39.4	43.2	46.4	49.0	49.8	49.4	46.9	43.2			
145	42.9	39.8	38.2	37.0	36.8	37.0	37.9	39.6	42.1	45.7	48.6	51.3	52.0	51.5	49.0	45.4			
150	45.3	42.6	41.3	40.1	39.9	40.1	40.7	42.3	44.4	47.5	50.2	52.5	53.1	52.5	50.4	47.1			
155	47.4	45.1	43.9	42.8	42.8	42.8	43.3	44.6	46.7	49.4	51.6	53.7	54.1	53.5	51.7	48.8			
160	49.6	47.7	46.7	45.7	45.6	45.6	45.9	47.1	48.9	51.0	52.8	54.6	54.8	54.4	52.8	50.2			
165	51.7	50.2	49.4	48.5	48.5	48.4	48.7	49.5	51.0	52.6	54.0	55.5	55.5	55.2	53.9	51.7			
170	53.8	52.6	52.0	51.4	51.5	51.6	51.6	52.0	53.0	53.9	54.8	56.1	55.9	55.7	54.8	53.1			
175	55.0	54.3	53.9	53.8	53.7	54.0	53.6	53.7	54.9	55.3	55.6	56.6	56.2	56.4	55.6	54.4			
180	55.6	55.2	55.7	56.0	56.0	56.0	55.1	54.8	55.7	55.4	55.2	56.2	55.8	56.1	55.5	54.5			

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: