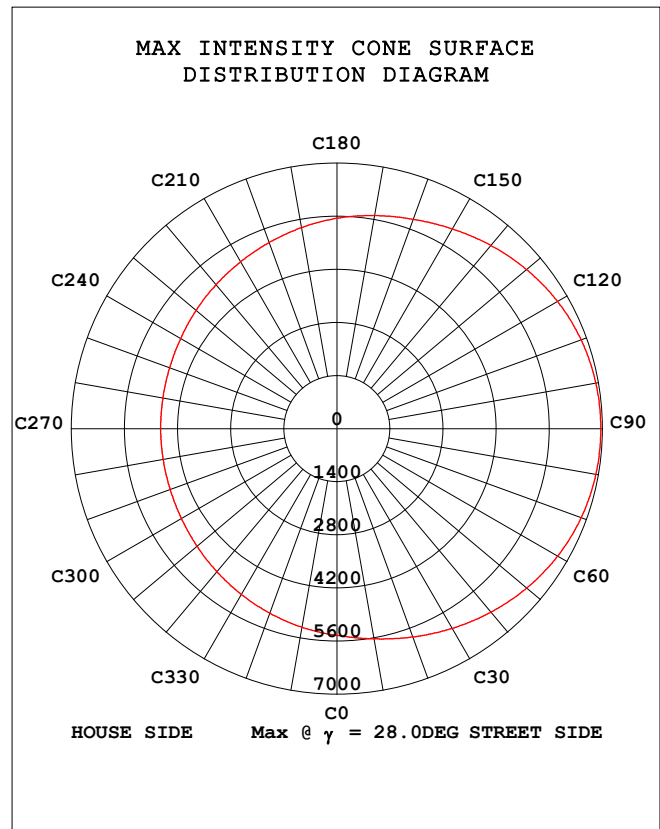
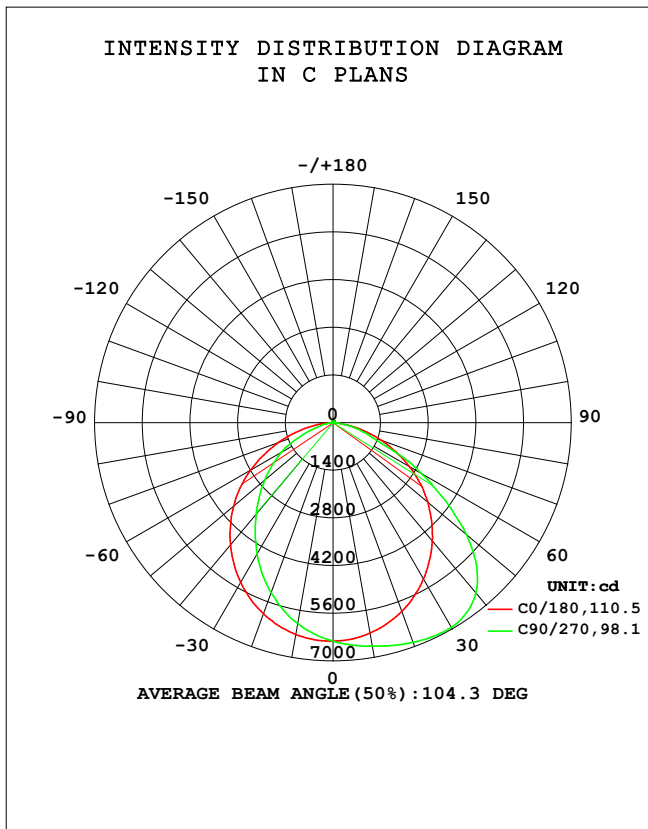


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.65 lm/W			
MODEL		I _{max} (cd)	6954	η street_up (%)	0.5
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	58.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	18210	η house_up (%)	0.6
NOMINAL FLUX (lm)	18209.9	MAXIMUM @ (C, γ)	90,28.0	η house_down (%)	40.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

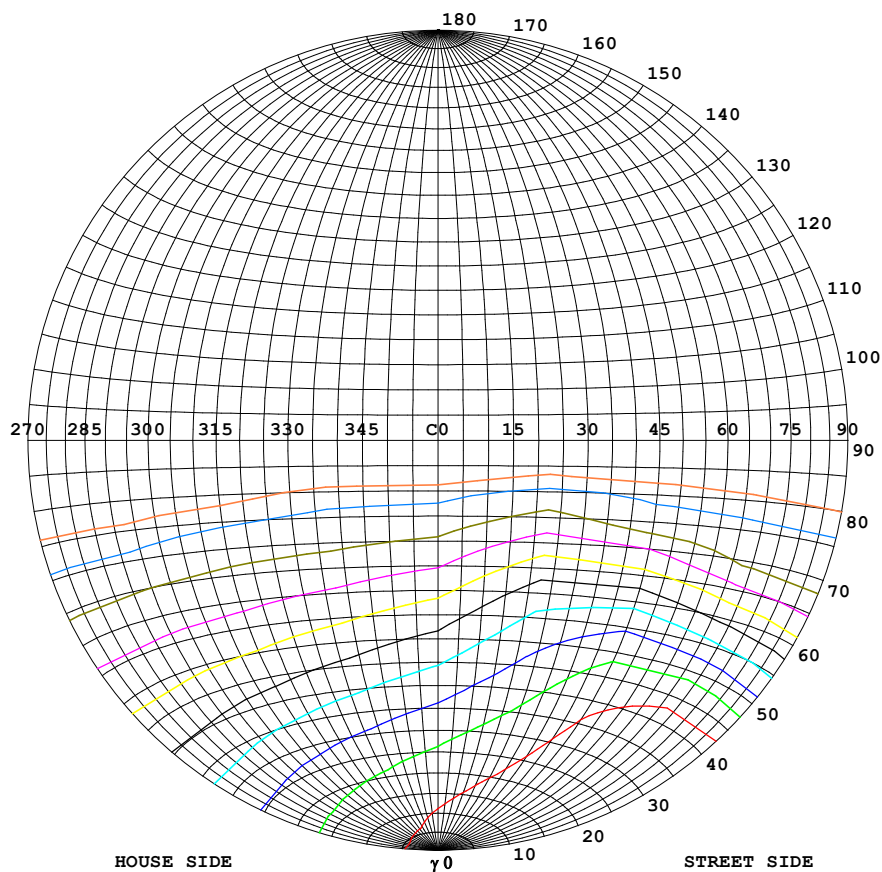


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

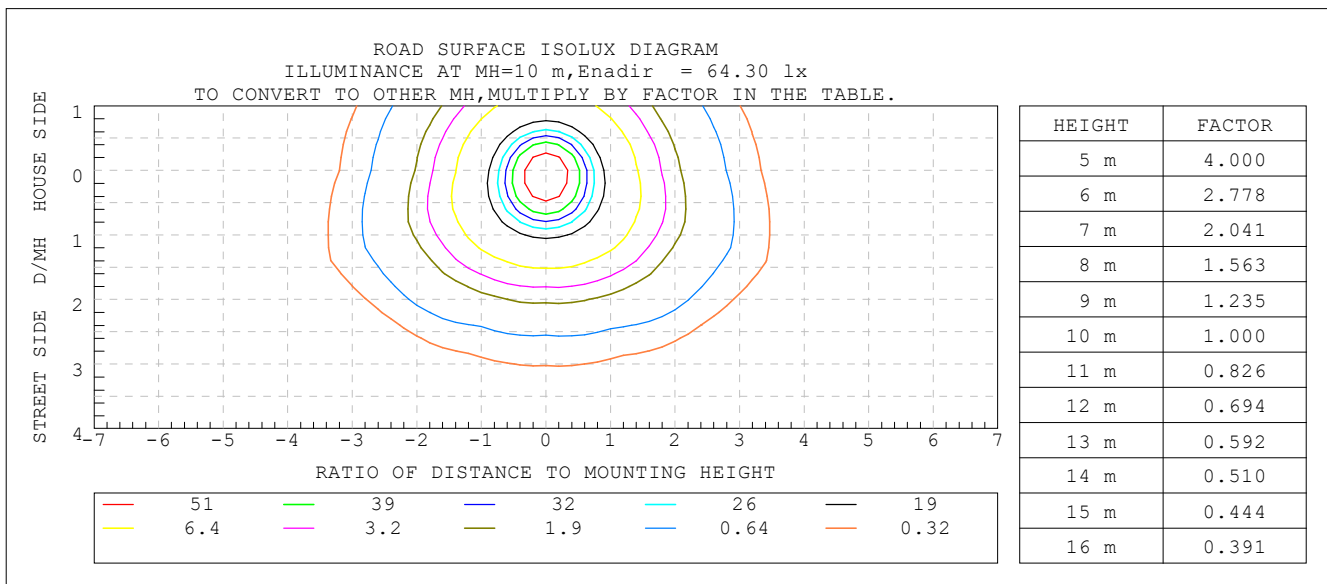
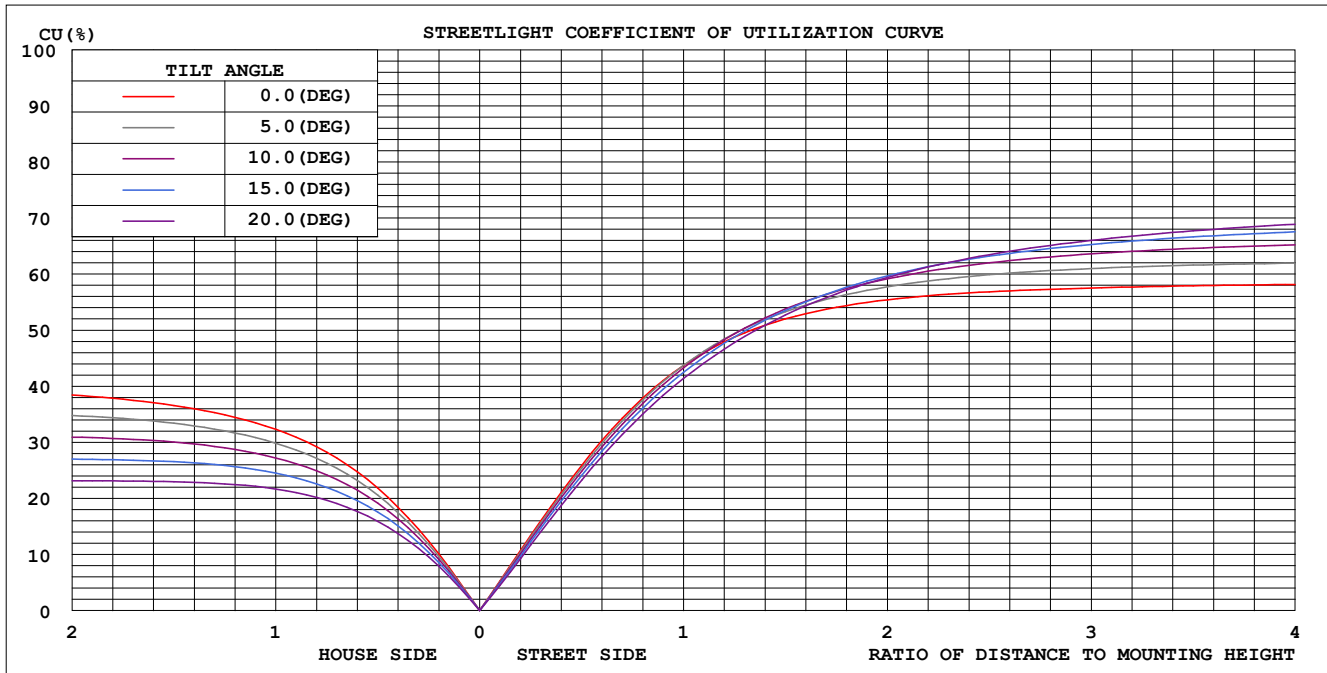
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.54cd/klm
Max.At90:0.6025cd/klm
Max.80-90:57.54cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6954
90%	6259
80%	5563
70%	4868
60%	4172
50%	3477
40%	2782
30%	2086
20%	1391
10%	695
5%	348

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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

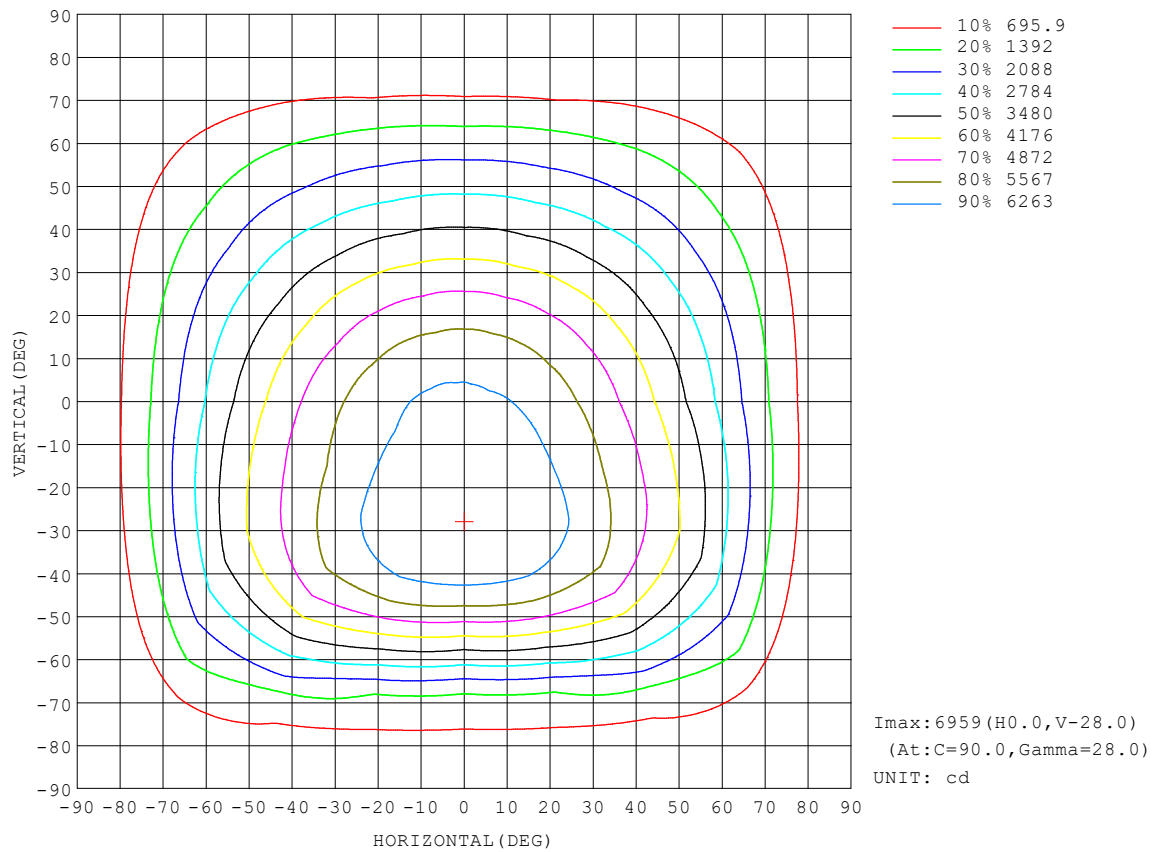
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6278	6535	6669	6539	6316	6091	5993	6075	0- 10	607.5	607.5	3.34,3.34
20	5903	6515	6865	6518	5977	5523	5322	5493	10- 20	1746	2354	12.9,12.9
30	5307	6388	6944	6390	5426	4745	4465	4704	20- 30	2674	5028	27.6,27.6
40	4540	6095	6529	6114	4685	3833	3516	3778	30- 40	3277	8305	45.6,45.6
50	3634	5383	5117	5450	3812	2883	2624	2823	40- 50	3436	11741	64.5,64.5
60	2592	3932	3015	4089	2803	1994	1766	1933	50- 60	3034	14775	81.1,81.1
70	1483	2078	1165	2252	1693	1190	766.3	1123	60- 70	2107	16882	92.7,92.7
80	456.2	551.1	334.9	624.8	663.3	265.4	151.2	218.9	70- 80	977.8	17859	98.1,98.1
90	9.237	6.197	5.538	6.628	9.853	10.24	8.129	10.97	80- 90	151.9	18011	98.9,98.9
100	15.74	10.84	9.225	10.44	14.30	18.27	16.50	19.14	90-100	11.98	18023	99,99
110	23.53	16.94	14.97	16.40	21.81	27.30	27.16	28.22	100-110	19.08	18042	99.1,99.1
120	32.07	24.17	21.80	23.46	30.23	36.79	38.28	37.52	110-120	26.00	18068	99.2,99.2
130	40.18	32.04	29.57	31.07	38.47	45.64	48.37	46.65	120-130	31.16	18099	99.4,99.4
140	46.47	39.26	36.86	37.97	45.12	52.54	55.76	53.14	130-140	32.84	18132	99.6,99.6
150	51.70	46.21	43.97	44.51	50.45	57.61	60.15	56.93	140-150	30.51	18163	99.7,99.7
160	56.49	52.78	50.86	50.62	55.16	61.12	62.64	59.39	150-160	24.79	18188	99.9,99.9
170	60.90	59.05	57.78	57.14	59.80	63.55	64.39	61.55	160-170	16.44	18204	100,100
180	63.13	63.78	63.59	61.53	62.56	63.45	63.80	61.92	170-180	5.869	18210	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

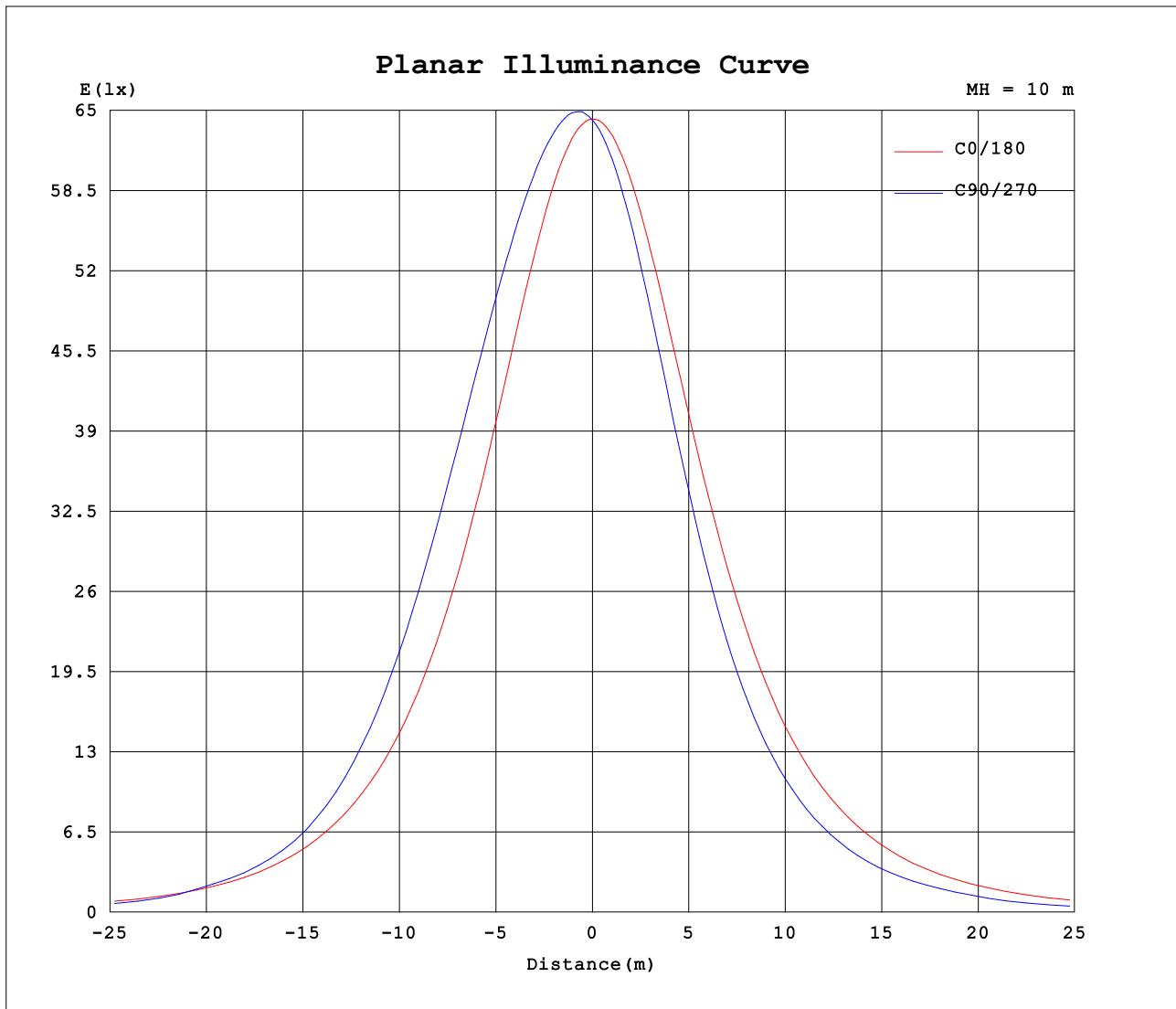
Test:U:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

Planar Illuminance Curve



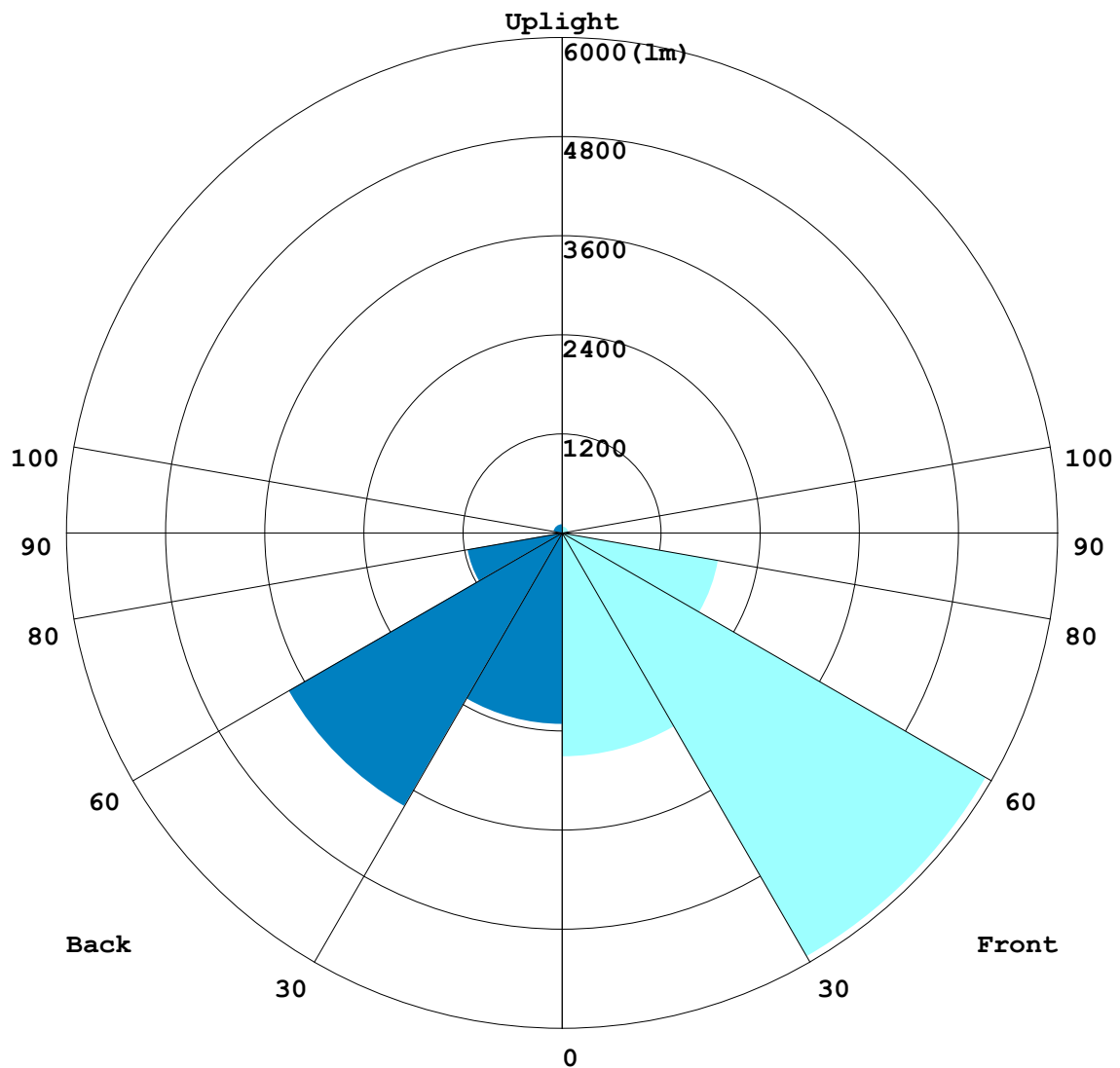
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 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)	2710	14.9
FM - Front-Medium(30-60)	5923.4	32.5
FH - Front-High(60-80)	1921.5	10.6
FVH - Front-Very High(80-90)	96.774	0.5
Total Forward Light	10737	59.0

BL - Back-Low(0-30)	2318	12.7
BM - Back-Medium(30-60)	3823.4	21.0
BH - Back-High(60-80)	1163	6.4
BVH - Back-Very High(80-90)	55.106	0.3
Total Back Light	7473.1	41.0

UL - Uplight-Low(90-100)	11.984	0.1
UH - Uplight-High(100-180)	186.7	1.0
Total Up Light	198.68	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7359.5	113.56	7473.1
Street Side	10652	85.121	10737

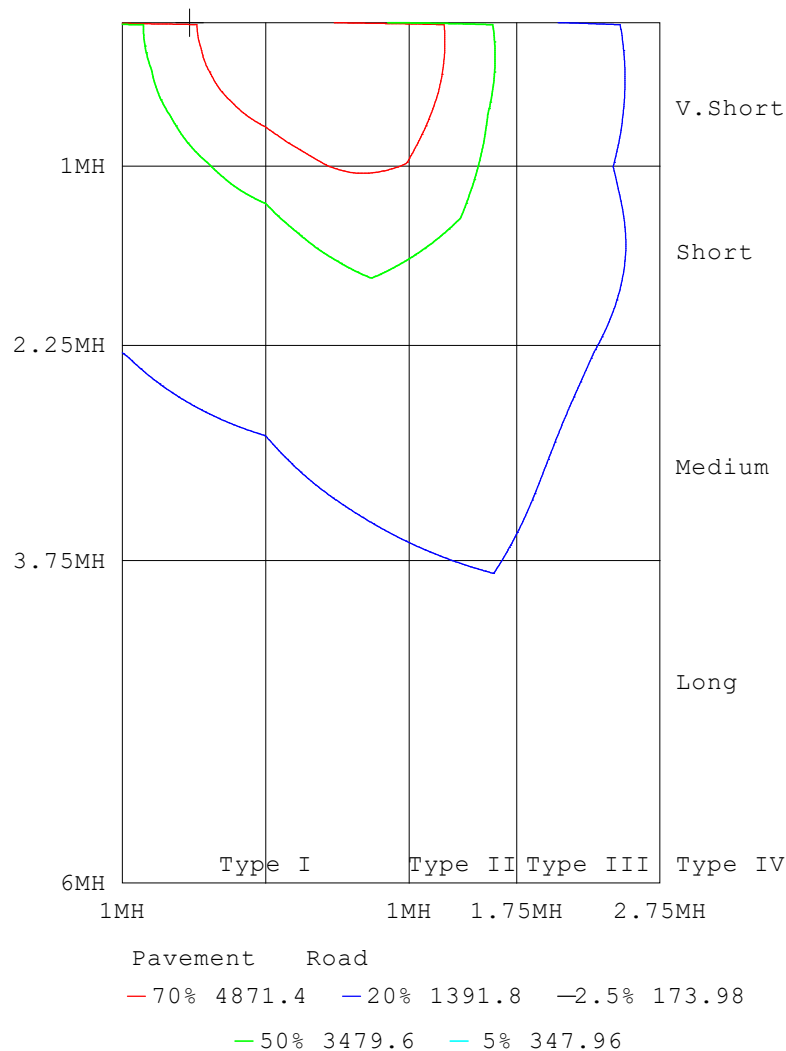
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 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:275.31V I:0.4441A P:121.68W PF:0.9952 Freq:60.00Hz Lamp Flux:18209.9x1 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	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418	6418			
5	6379	6445	6500	6541	6555	6544	6503	6453	6395	6333	6281	6243	6236	6242	6275	6326			
10	6278	6415	6535	6636	6669	6634	6539	6427	6316	6186	6091	6012	5993	6006	6075	6175			
15	6117	6333	6540	6712	6774	6711	6545	6349	6177	5982	5835	5717	5684	5709	5813	5962			
20	5903	6200	6515	6775	6865	6774	6518	6220	5977	5716	5523	5361	5322	5347	5493	5688			
25	5628	6025	6463	6820	6934	6814	6466	6049	5729	5403	5153	4966	4914	4949	5122	5361			
30	5307	5813	6388	6816	6944	6812	6390	5839	5426	5030	4745	4533	4465	4506	4704	4988			
35	4944	5561	6267	6725	6830	6726	6280	5588	5078	4622	4301	4054	3990	4029	4255	4569			
40	4540	5290	6095	6487	6529	6504	6114	5316	4685	4186	3833	3580	3516	3553	3778	4119			
45	4103	4980	5818	6032	5967	6067	5852	5017	4263	3721	3354	3123	3065	3093	3295	3652			
50	3634	4651	5383	5311	5117	5373	5450	4695	3812	3251	2883	2677	2624	2650	2823	3171			
55	3134	4275	4755	4357	4062	4446	4864	4327	3330	2773	2438	2248	2184	2220	2380	2688			
60	2592	3789	3932	3312	3015	3398	4089	3864	2803	2275	1994	1835	1766	1804	1933	2195			
65	2035	3149	3000	2295	1928	2436	3173	3266	2248	1787	1584	1415	1256	1368	1526	1707			
70	1483	2408	2078	1264	1165	1328	2252	2562	1693	1335	1190	879	766	830	1123	1250			
75	949	1613	1003	833	781	868	1129	1782	1155	905	690	459	398	416	605	818			
80	456	834	551	440	335	485	625	1048	663	526	265	179	151	152	219	430			
85	74.0	174	91.0	24.6	54.8	62.8	129	298	215	119	47.4	14.5	9.00	9.74	21.5	67.2			
90	9.24	7.19	6.20	5.74	5.54	6.02	6.63	7.70	9.85	10.4	10.2	8.92	8.13	9.32	11.0	10.8			
95	12.3	9.69	8.26	7.28	6.89	7.16	7.93	9.24	11.0	13.5	14.0	12.8	11.9	13.3	14.9	14.2			
100	15.7	12.6	10.8	9.67	9.22	9.51	10.4	12.0	14.3	17.2	18.3	17.3	16.5	17.9	19.1	18.0			
105	19.5	15.8	13.8	12.4	11.9	12.2	13.3	15.2	17.9	21.2	22.7	22.3	21.6	22.9	23.6	22.0			
110	23.5	19.3	16.9	15.4	15.0	15.2	16.4	18.6	21.8	25.5	27.3	27.6	27.2	28.2	28.2	26.2			
115	27.8	23.1	20.4	18.7	18.3	18.5	19.8	22.3	26.0	30.0	32.0	32.9	32.8	33.4	32.8	30.7			
120	32.1	27.1	24.2	22.3	21.8	22.1	23.5	26.2	30.2	34.8	36.8	38.1	38.3	38.6	37.5	35.2			
125	36.3	31.1	28.2	26.1	25.6	25.9	27.3	30.2	34.5	39.2	41.5	43.1	43.6	43.5	42.3	39.5			
130	40.2	35.0	32.0	30.0	29.6	29.7	31.1	33.9	38.5	43.4	45.6	47.6	48.4	48.0	46.7	43.3			
135	43.5	38.6	35.7	33.8	33.3	33.3	34.6	37.4	42.0	47.0	49.4	51.5	52.5	52.0	50.4	46.4			
140	46.5	41.9	39.3	37.3	36.9	36.8	38.0	40.6	45.1	50.2	52.5	54.7	55.8	55.2	53.1	49.0			
145	49.1	45.2	42.7	40.9	40.4	40.3	41.3	43.6	48.0	53.0	55.3	57.4	58.4	57.7	55.4	51.3			
150	51.7	48.3	46.2	44.4	44.0	43.9	44.5	46.5	50.5	55.3	57.6	59.4	60.2	59.1	56.9	53.2			
155	54.1	51.3	49.5	47.8	47.5	47.2	47.5	49.2	52.8	57.3	59.5	61.0	61.4	60.2	58.2	54.8			
160	56.5	54.2	52.8	51.2	50.9	50.5	50.6	51.9	55.2	59.1	61.1	62.5	62.6	61.2	59.4	56.3			
165	58.8	57.1	56.1	54.6	54.3	54.0	53.9	54.7	57.5	60.7	62.5	63.8	63.7	62.2	60.5	57.9			
170	60.9	59.8	59.0	58.0	57.8	57.6	57.1	57.5	59.8	62.2	63.6	64.6	64.4	62.9	61.5	59.4			
175	62.5	61.8	61.6	61.1	60.9	60.5	59.6	59.6	61.7	63.5	64.2	65.0	64.6	63.4	62.3	60.6			
180	63.1	62.8	63.8	63.9	63.6	63.2	61.5	60.9	62.6	63.4	63.5	64.1	63.8	62.6	61.9	60.7			

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: