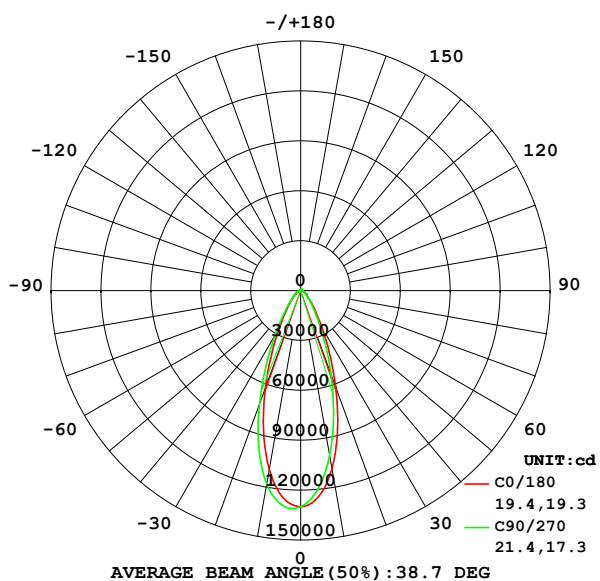
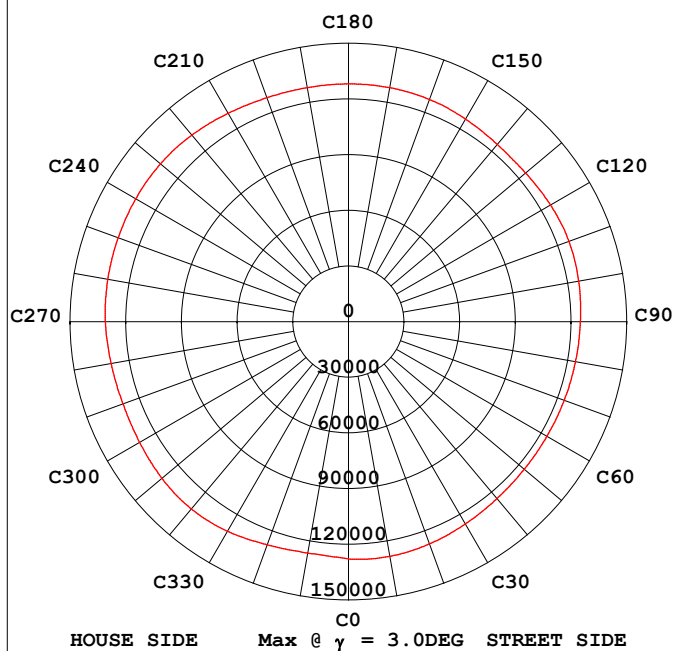


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:AMERICANLITE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 162.59 lm/W			
MODEL		I _{max} (cd)	132192	η street_up (%)	0.2
NOMINAL POWER (W)	500	LOR (%)	100.0	η street_down (%)	45.1
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	79204	η house_up (%)	0.2
NOMINAL FLUX (lm)	79204.3	MAXIMUM @ (C, γ)	248,3.0	η house_down (%)	54.6
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.7	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

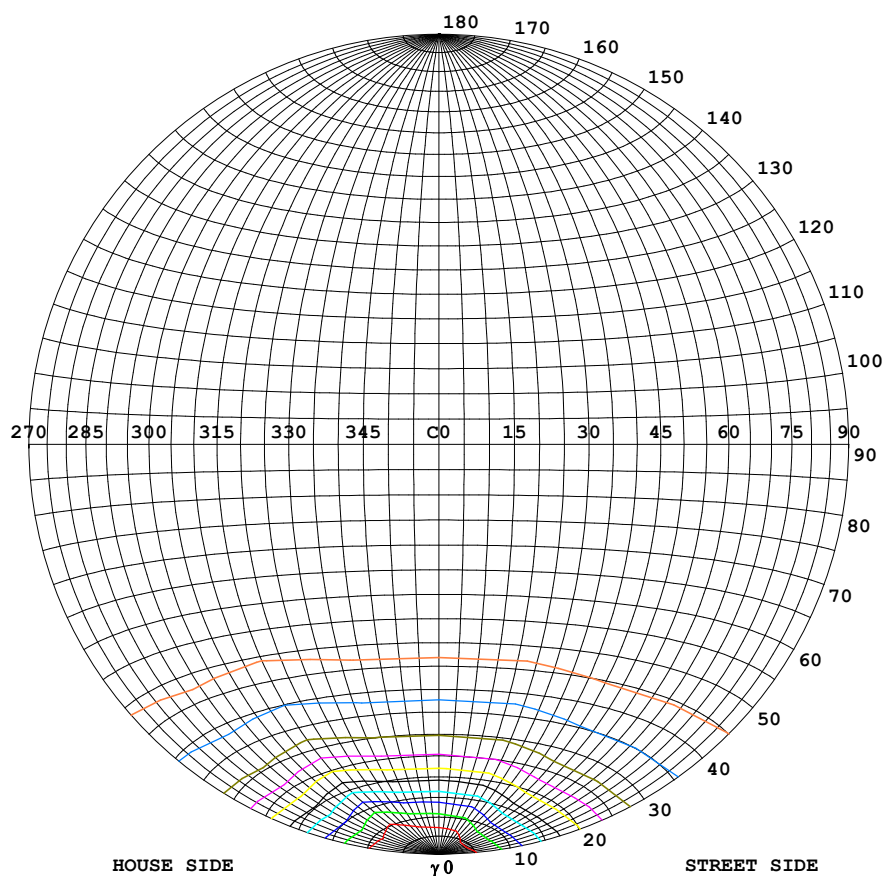
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz

Lamp Flux:79204.3x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

IES:Type I - Very Short

CIE:Narrow - Short

IES:Cut-off

CIE:Full cut-off

Max.At80:10.46cd/klm

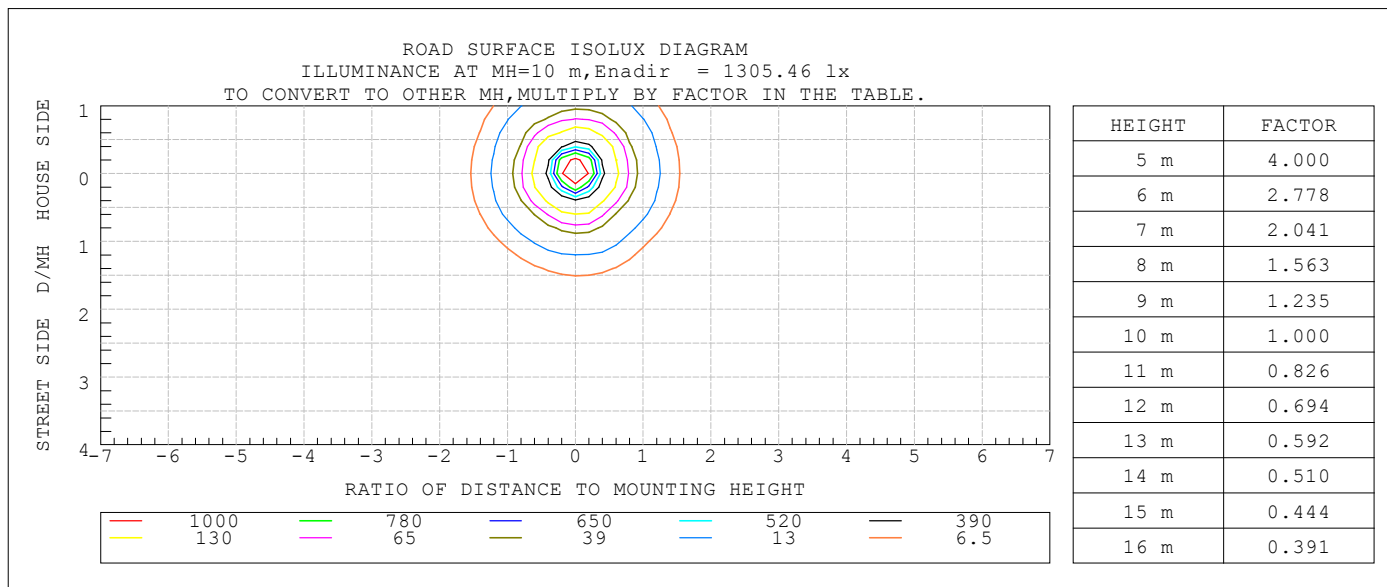
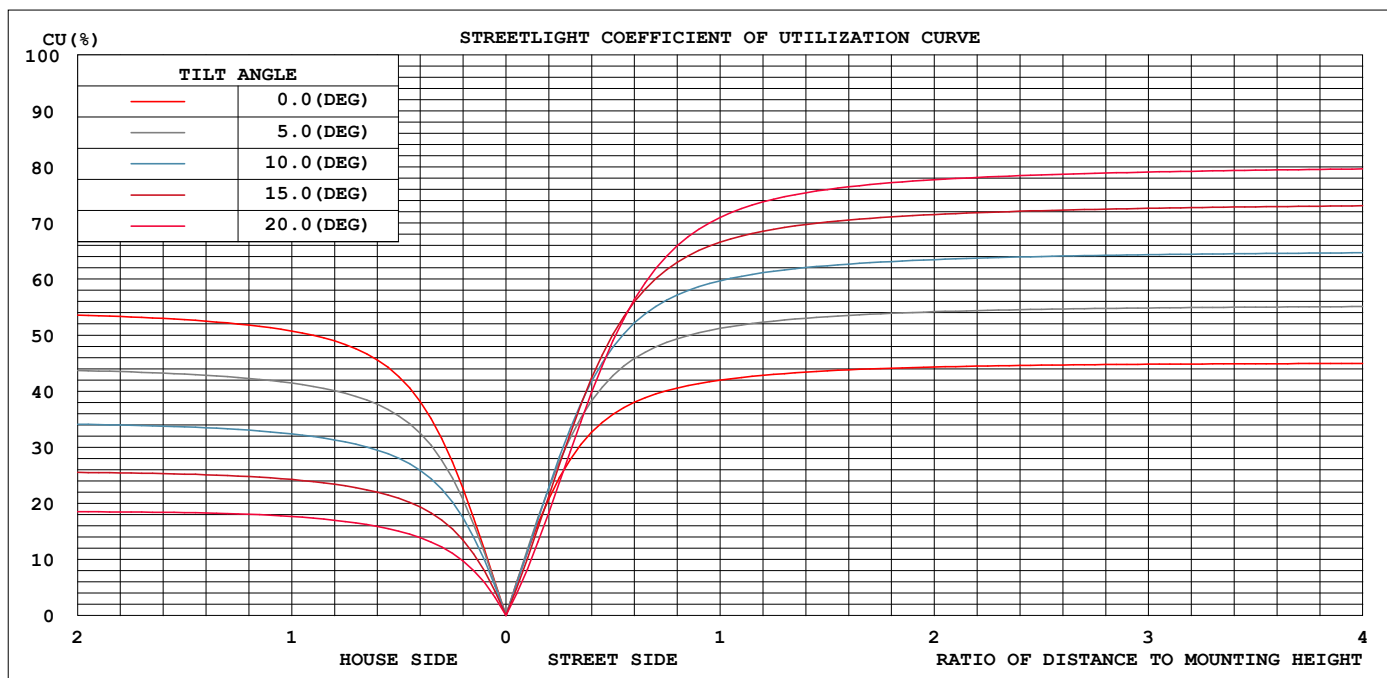
Max.At90:0.1219cd/klm

Max.80-90:10.46cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	132192
90%	118973
80%	105753
70%	92534
60%	79315
50%	66096
40%	52877
30%	39658
20%	26438
10%	13219
5%	6610

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2°C
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2°C
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

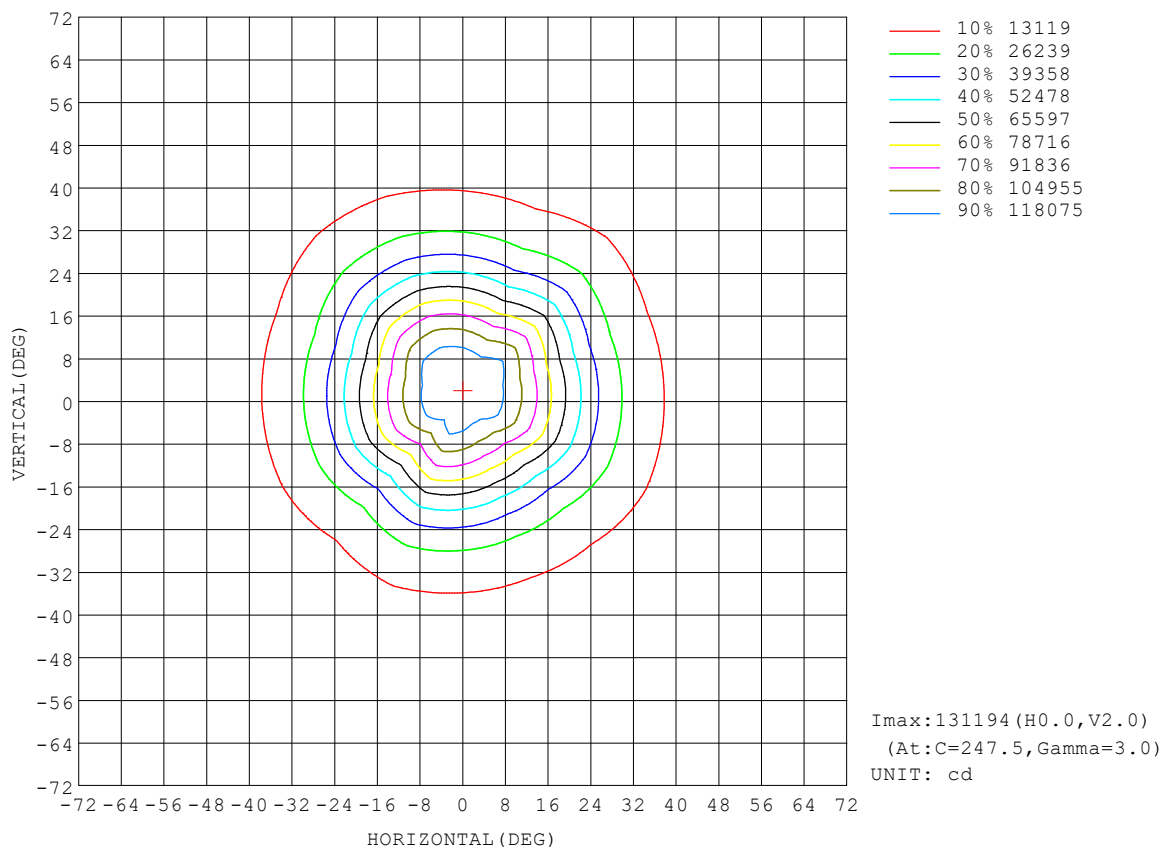
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1086	976.9	1006	983.9	1092	1208	1182	1208	0- 10	11397	11397	14.4,14.4
20	618.7	505.4	534.3	501.8	620.9	764.7	723.7	762.2	10- 20	23820	35218	44.5,44.5
30	257.3	207.7	218.5	199.2	256.5	335.2	307.6	328.6	20- 30	19139	54356	68.6,68.6
40	109.2	92.89	94.94	87.01	108.0	137.6	125.2	131.8	30- 40	10680	65037	82.1,82.1
50	54.56	49.01	50.01	47.94	55.65	66.39	61.07	63.00	40- 50	5989	71025	89.7,89.7
60	33.99	31.12	31.62	29.63	33.46	39.26	36.83	38.15	50- 60	3922	74947	94.6,94.6
70	19.09	16.33	16.71	14.76	17.46	21.49	20.20	21.99	60- 70	2578	77525	97.9,97.9
80	6.058	3.664	4.032	2.699	4.625	7.307	6.595	8.287	70- 80	1226	78752	99.4,99.4
90	0.0294	0.0235	0.0238	0.0234	0.0441	0.0770	0.0658	0.0966	80- 90	178.8	78931	99.7,99.7
100	0.0341	0.0403	0.0387	0.0423	0.0233	0.0227	0.0228	0.0231	90-100	3.388	78934	99.7,99.7
110	0.0671	0.0770	0.0735	0.0786	0.0370	0.0318	0.0327	0.0301	100-110	4.241	78938	99.7,99.7
120	0.1199	0.1407	0.1349	0.1439	0.0500	0.0414	0.0430	0.0411	110-120	6.782	78945	99.7,99.7
130	0.2483	0.3131	0.2979	0.3160	0.0842	0.0640	0.0737	0.0726	120-130	11.28	78956	99.7,99.7
140	0.5869	0.7077	0.6992	0.7526	0.1798	0.1169	0.1386	0.1368	130-140	21.36	78978	99.7,99.7
150	1.094	1.317	1.338	1.448	0.4949	0.3448	0.3393	0.3516	140-150	37.70	79015	99.8,99.8
160	1.282	1.850	2.046	2.178	1.711	1.296	1.396	1.249	150-160	53.16	79068	99.8,99.8
170	2.054	2.871	3.420	3.271	7.446	6.504	8.037	6.679	160-170	79.76	79148	99.9,99.9
180	3.882	5.389	4.901	4.058	3.929	5.812	6.028	6.107	170-180	56.13	79204	100,100
DEG	LUMINOUS INTENSITY:X100cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

ISOCANDELA DIAGRAM

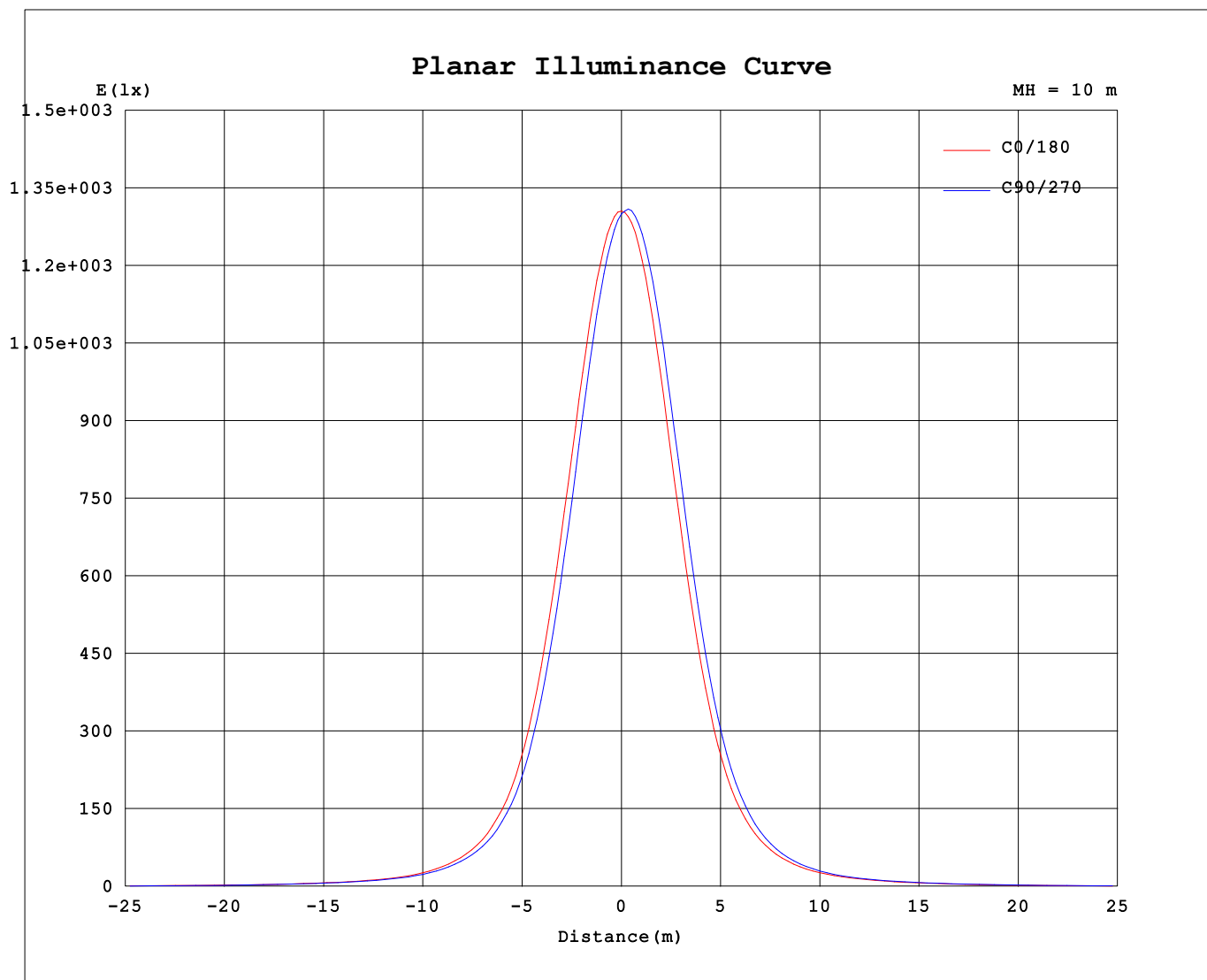
Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

Planar Illuminance Curve



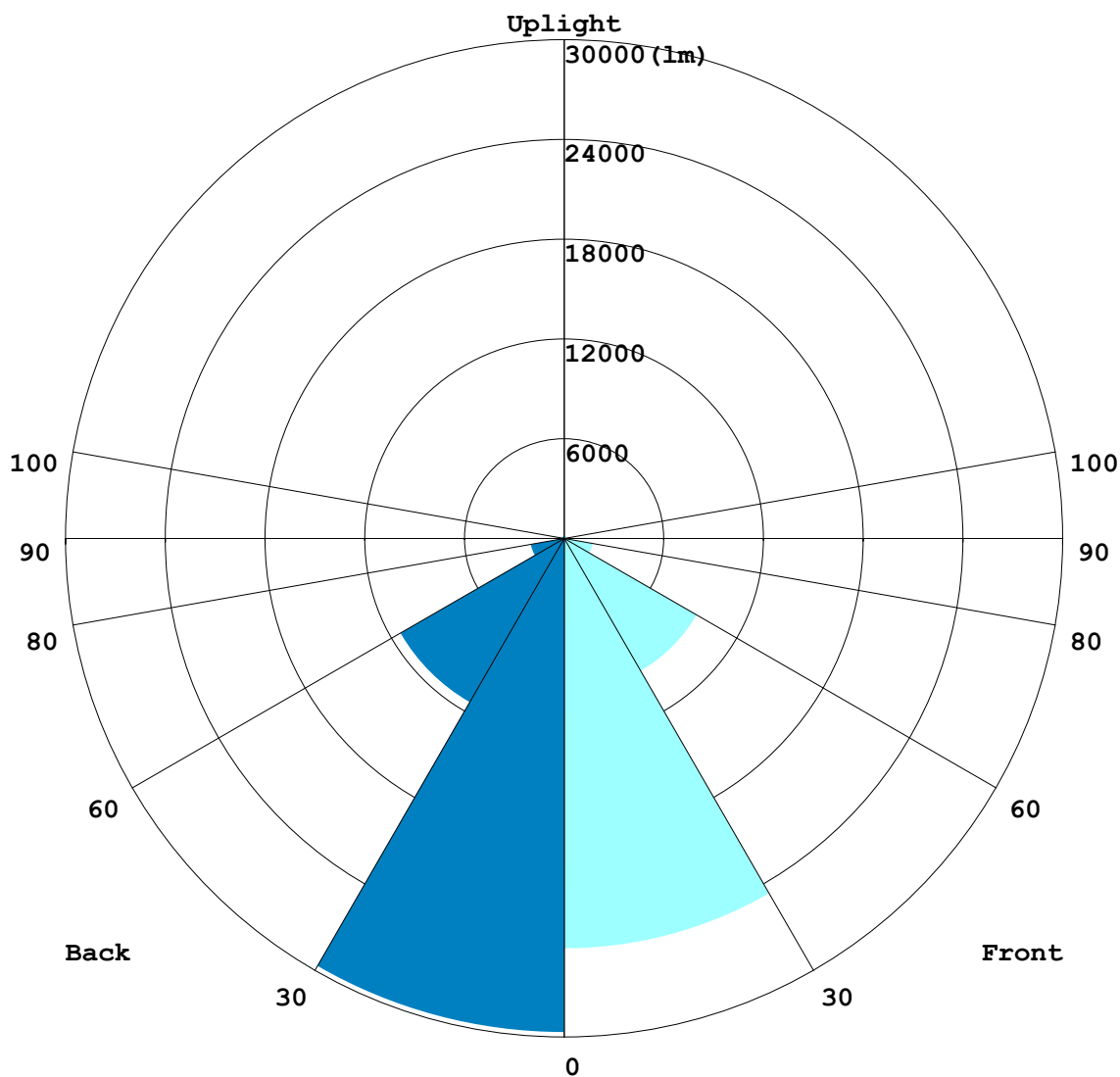
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2°C
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

LCS REPORT

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 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: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

BUG REPORT

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 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)	24658	31.1
FM - Front-Medium(30-60)	9212.4	11.6
FH - Front-High(60-80)	1757.8	2.2
FVH - Front-Very High(80-90)	63.497	0.1
Total Forward Light	35839	45.2

BL - Back-Low(0-30)	29698	37.5
BM - Back-Medium(30-60)	11379	14.4
BH - Back-High(60-80)	2046.6	2.6
BVH - Back-Very High(80-90)	115.26	0.1
Total Back Light	43365	54.8

UL - Uplight-Low(90-100)	3.3879	0.0
UH - Uplight-High(100-180)	270.4	0.3
Total Up Light	273.79	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	43239	126.44	43365
Street Side	35692	147.35	35839

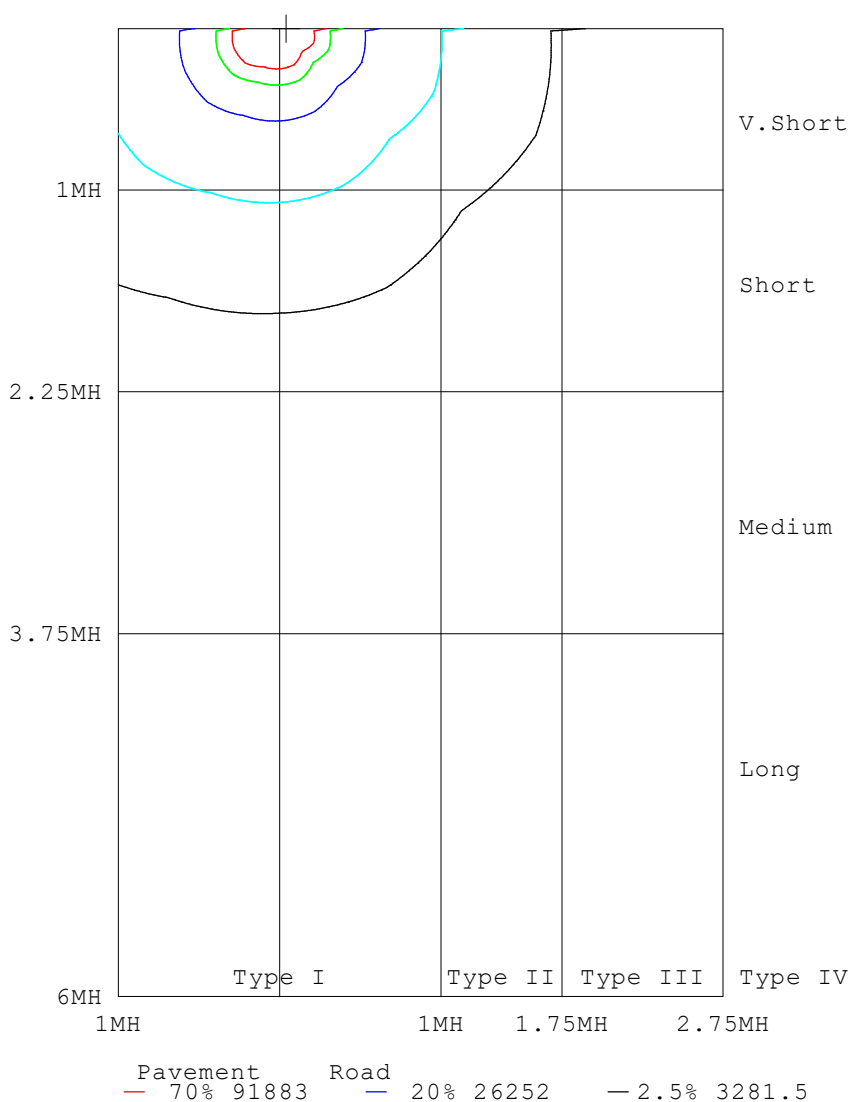
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 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: 27.2°C
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:280.76V I:1.7379A P:487.14W PF:0.9984 Freq:60.01Hz Lamp Flux:79204.3x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: X100cd

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	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299			
5	1243	1232	1181	1177	1197	1221	1185	1236	1247	1257	1310	1315	1294	1270	1309	1254			
10	1086	1066	977	970	1006	1048	984	1072	1092	1109	1208	1220	1182	1137	1208	1108			
15	860	838	735	727	766	817	737	843	866	885	1012	1027	977	917	1013	884			
20	619	600	505	500	534	577	502	598	621	638	765	779	724	664	762	638			
25	409	395	326	321	345	375	317	389	409	423	524	534	490	440	520	421			
30	257	251	208	205	219	234	199	242	257	267	335	342	308	273	329	263			
35	164	162	137	134	140	149	128	153	163	170	212	215	193	172	204	167			
40	109	109	92.9	90.9	94.9	100	87.0	102	108	113	138	138	125	112	132	110			
45	74.6	74.4	64.7	63.7	66.2	69.5	62.2	71.2	74.9	77.8	93.0	93.0	84.6	76.6	88.6	75.2			
50	54.6	54.1	49.0	48.5	50.0	51.8	47.9	53.2	55.6	57.6	66.4	66.2	61.1	56.3	63.0	55.1			
55	42.7	42.4	39.2	38.7	40.0	40.9	38.1	41.8	43.2	44.6	50.7	50.6	47.0	43.9	48.3	43.1			
60	34.0	33.9	31.1	30.6	31.6	32.3	29.6	32.8	33.5	34.5	39.3	39.3	36.8	34.4	38.2	34.2			
65	26.3	26.4	23.5	23.0	23.9	24.7	22.0	24.8	25.1	25.8	29.8	30.0	28.1	26.2	29.6	26.4			
70	19.1	19.1	16.3	15.9	16.7	17.5	14.8	17.3	17.5	17.9	21.5	21.8	20.2	18.8	22.0	19.0			
75	12.3	12.3	9.55	9.17	9.95	10.8	8.13	10.5	10.5	10.8	14.0	14.3	13.0	11.8	14.9	12.2			
80	6.06	6.04	3.66	3.37	4.03	4.79	2.70	4.53	4.63	4.76	7.31	7.60	6.59	5.74	8.29	6.02			
85	1.32	1.27	0.08	0.07	0.19	0.55	0.06	0.40	0.42	0.48	2.07	2.30	1.66	1.01	2.86	1.23			
90	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.08	0.08	0.07	0.05	0.10	0.06			
95	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03			
100	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
105	0.05	0.05	0.06	0.06	0.05	0.05	0.06	0.05	0.03	0.03	0.02	0.02	0.03	0.03	0.02	0.03			
110	0.07	0.07	0.08	0.08	0.07	0.07	0.08	0.07	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03			
115	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.09	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
120	0.12	0.12	0.14	0.14	0.13	0.12	0.14	0.13	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05			
125	0.17	0.17	0.21	0.21	0.20	0.18	0.21	0.18	0.07	0.06	0.05	0.05	0.06	0.06	0.05	0.06			
130	0.25	0.26	0.31	0.32	0.30	0.26	0.32	0.27	0.08	0.07	0.06	0.07	0.07	0.07	0.07	0.08			
135	0.38	0.39	0.48	0.49	0.46	0.41	0.49	0.43	0.12	0.10	0.08	0.08	0.10	0.10	0.10	0.11			
140	0.59	0.60	0.71	0.74	0.70	0.63	0.75	0.66	0.18	0.17	0.12	0.12	0.14	0.15	0.14	0.17			
145	0.87	0.85	0.99	1.06	0.99	0.93	1.08	0.97	0.29	0.28	0.19	0.18	0.21	0.23	0.21	0.27			
150	1.09	1.07	1.32	1.43	1.34	1.28	1.45	1.26	0.49	0.48	0.34	0.32	0.34	0.41	0.35	0.46			
155	1.18	1.23	1.58	1.73	1.69	1.64	1.81	1.48	0.89	0.88	0.64	0.59	0.66	0.76	0.63	0.84			
160	1.28	1.39	1.85	1.98	2.05	2.00	2.18	1.68	1.71	1.71	1.30	1.23	1.40	1.58	1.25	1.67			
165	1.48	1.62	2.30	2.49	2.54	2.40	2.68	1.97	3.68	3.68	2.79	2.81	3.30	3.87	2.74	3.73			
170	2.05	2.19	2.87	3.30	3.42	3.17	3.27	2.49	7.45	7.46	6.50	6.84	8.04	9.08	6.68	8.01			
175	2.79	2.84	3.55	3.99	4.18	3.78	3.60	3.07	6.67	6.70	9.31	10.4	10.5	9.92	10.2	7.40			
180	3.88	4.18	5.39	5.50	4.90	4.47	4.06	3.72	3.93	3.96	5.81	6.49	6.03	5.39	6.11	3.94			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4285]
Remarks: