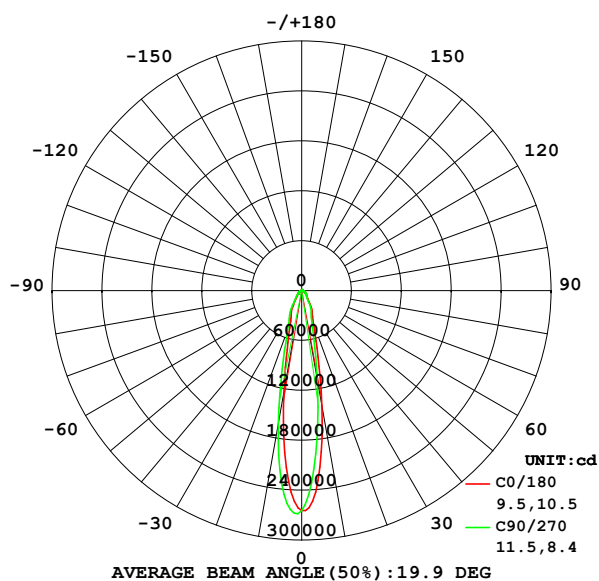
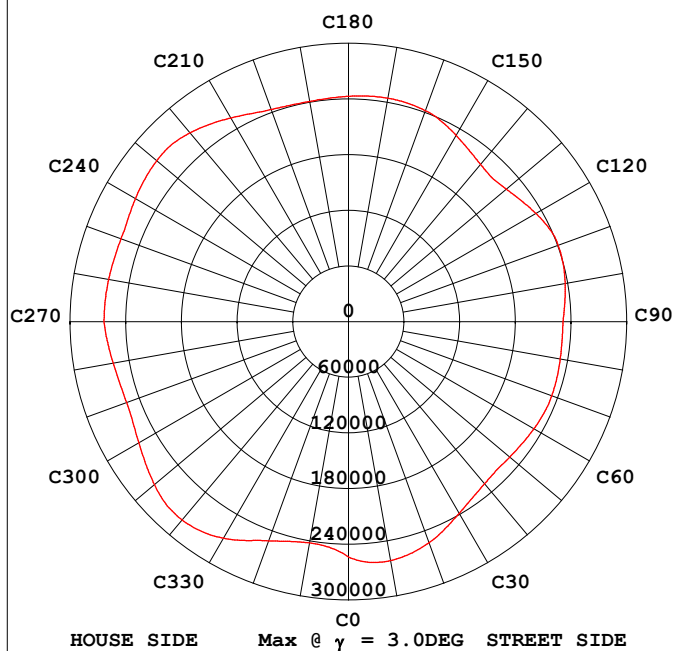


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:AMERICANLITE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.65 lm/W			
MODEL		I _{max} (cd)	278373	η street_up (%)	0.2
NOMINAL POWER (W)	500	LOR (%)	100.0	η street_down (%)	45.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	77715	η house_up (%)	0.2
NOMINAL FLUX (lm)	77715.3	MAXIMUM @ (C, γ)	315,3.0	η house_down (%)	54.0
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	

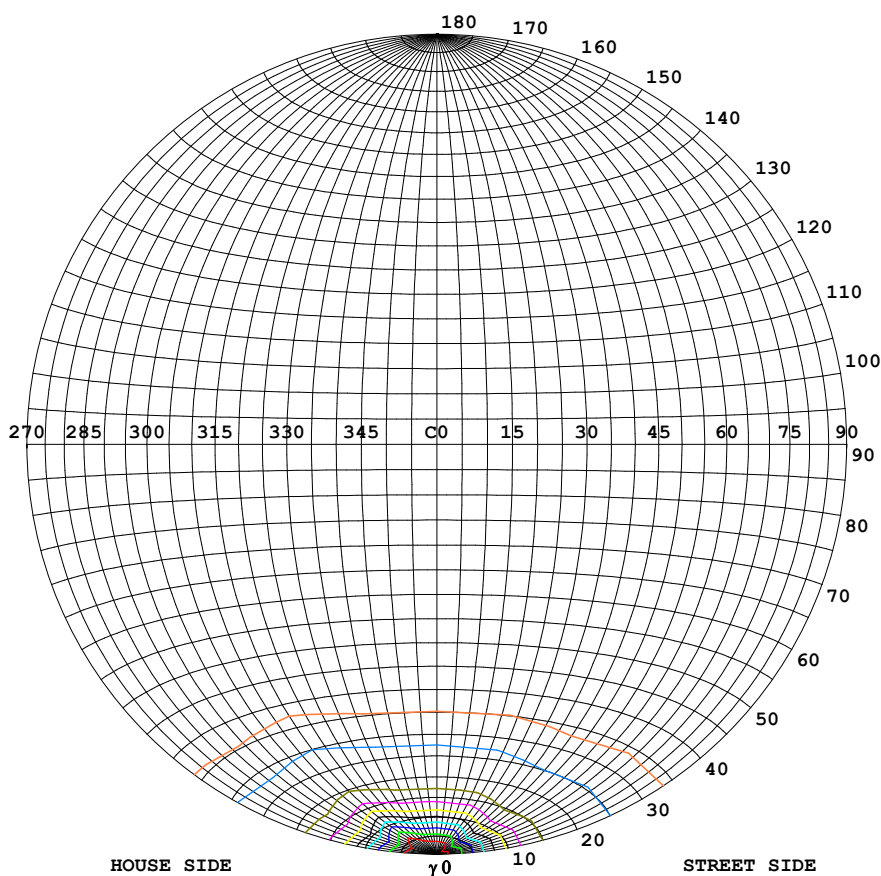
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



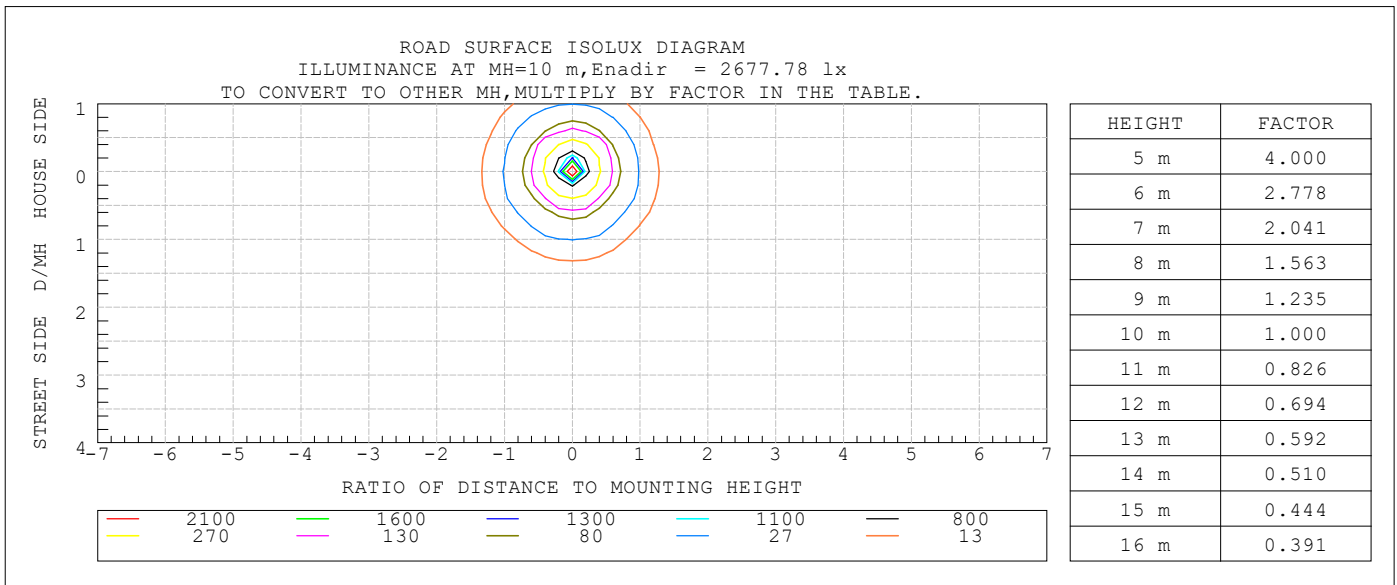
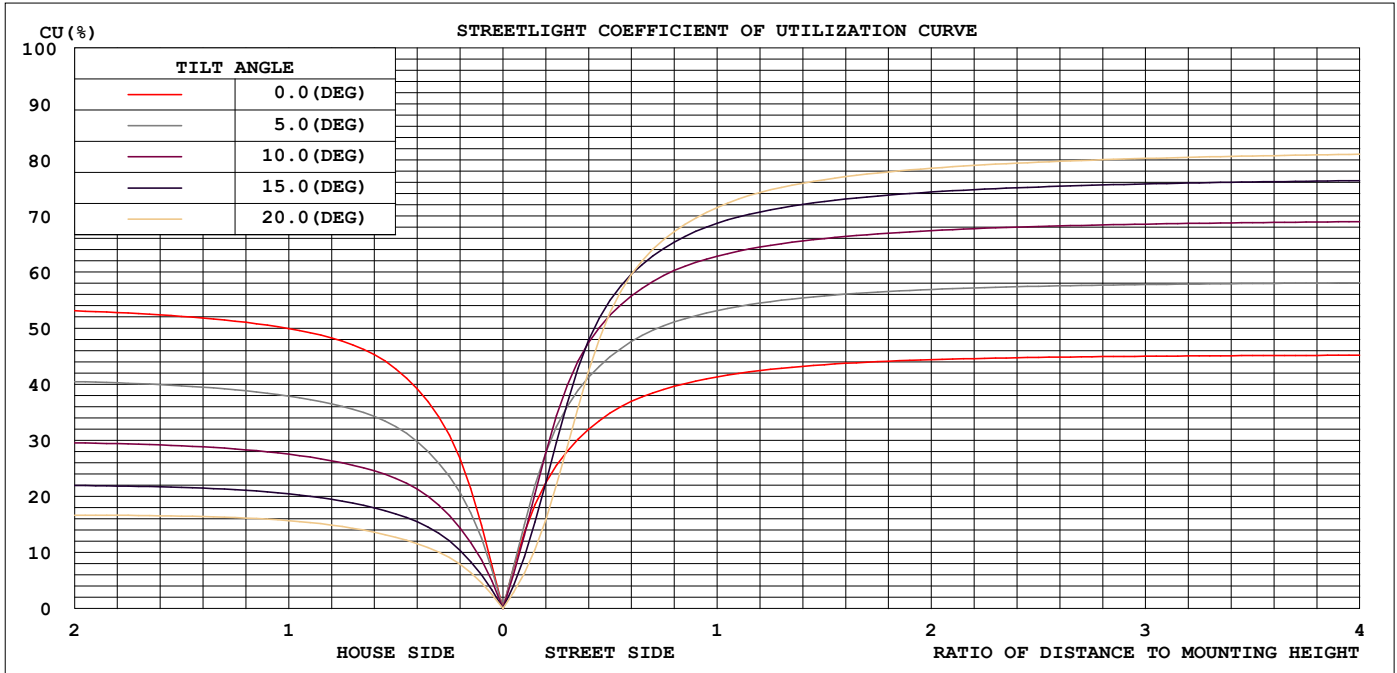
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:13.00cd/klm
Max.At90:0.1463cd/klm
Max.80-90:13.00cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	278373
90%	250535
80%	222698
70%	194861
60%	167024
50%	139186
40%	111349
30%	83512
20%	55675
10%	27837
5%	13919

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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX 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:

ZONAL FLUX DIAGRAM

Test:U:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

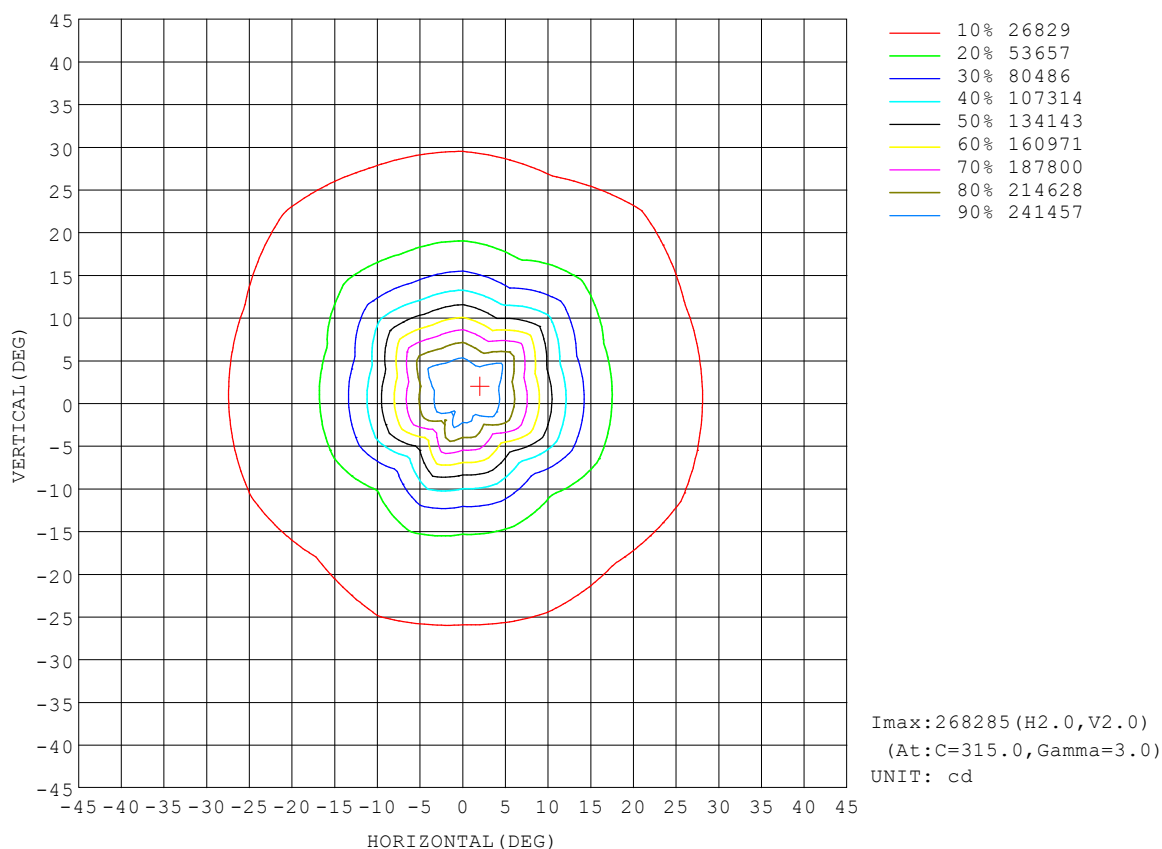
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1404	1019	1074	944.4	1238	1734	1623	1917	0- 10	18252	18252	23.5,23.5
20	409.4	343.1	345.8	338.7	392.8	531.6	498.3	552.5	10- 20	20288	38540	49.6,49.6
30	225.5	183.2	194.2	177.8	214.4	277.3	257.4	288.0	20- 30	14295	52835	68,68
40	103.2	98.96	99.25	91.41	92.39	112.0	103.4	119.6	30- 40	9178	62014	79.8,79.8
50	65.34	64.42	63.98	60.09	57.54	62.04	60.23	69.04	40- 50	5989	68002	87.5,87.5
60	43.46	40.58	40.94	38.24	38.87	43.73	42.35	48.38	50- 60	4634	72636	93.5,93.5
70	22.71	19.40	20.13	18.09	20.04	24.68	23.55	27.53	60- 70	3118	75754	97.5,97.5
80	6.923	4.239	4.806	3.332	5.447	8.552	7.748	10.11	70- 80	1443	77197	99.3,99.3
90	0.0323	0.0252	0.0252	0.0256	0.0485	0.0897	0.0756	0.1137	80- 90	205.9	77403	99.6,99.6
100	0.0369	0.0446	0.0426	0.0496	0.0238	0.0239	0.0239	0.0249	90-100	3.627	77406	99.6,99.6
110	0.0733	0.0813	0.0800	0.0926	0.0404	0.0350	0.0363	0.0336	100-110	4.631	77411	99.6,99.6
120	0.1195	0.1340	0.1310	0.1497	0.0557	0.0468	0.0491	0.0468	110-120	7.171	77418	99.6,99.6
130	0.2239	0.2710	0.2545	0.2794	0.0915	0.0730	0.0857	0.0828	120-130	10.91	77429	99.6,99.6
140	0.4589	0.5748	0.5362	0.6391	0.1696	0.1154	0.1397	0.1413	130-140	18.12	77447	99.7,99.7
150	1.120	1.528	1.418	1.778	0.4362	0.3015	0.2901	0.3060	140-150	34.48	77482	99.7,99.7
160	1.469	2.381	2.476	2.897	2.233	1.583	1.822	1.482	150-160	61.97	77544	99.8,99.8
170	2.260	3.063	3.811	3.571	9.299	8.789	10.98	9.673	160-170	103.7	77647	99.9,99.9
180	3.998	4.961	4.445	3.902	4.057	6.612	6.299	6.712	170-180	67.91	77715	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

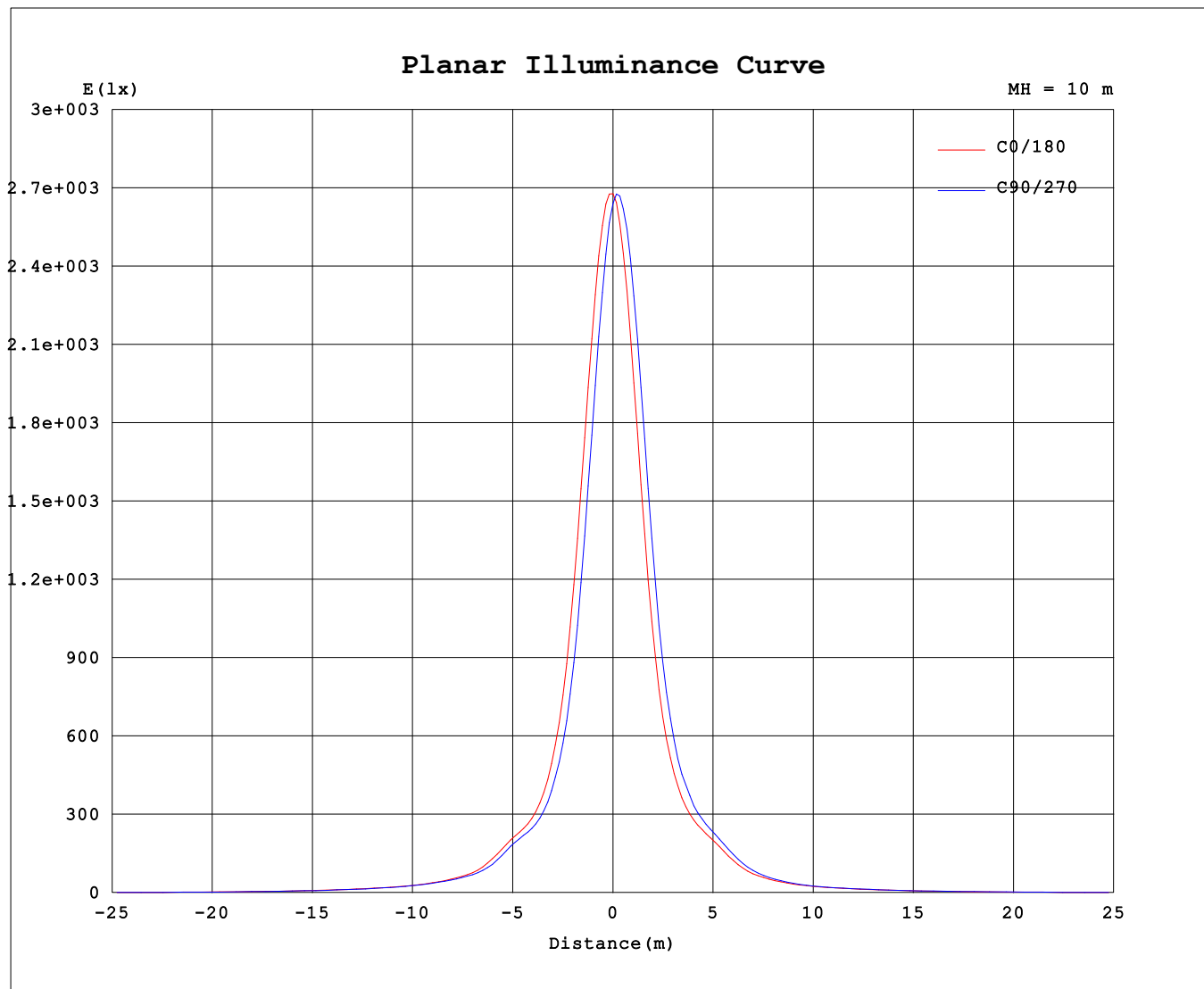
Test:U:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



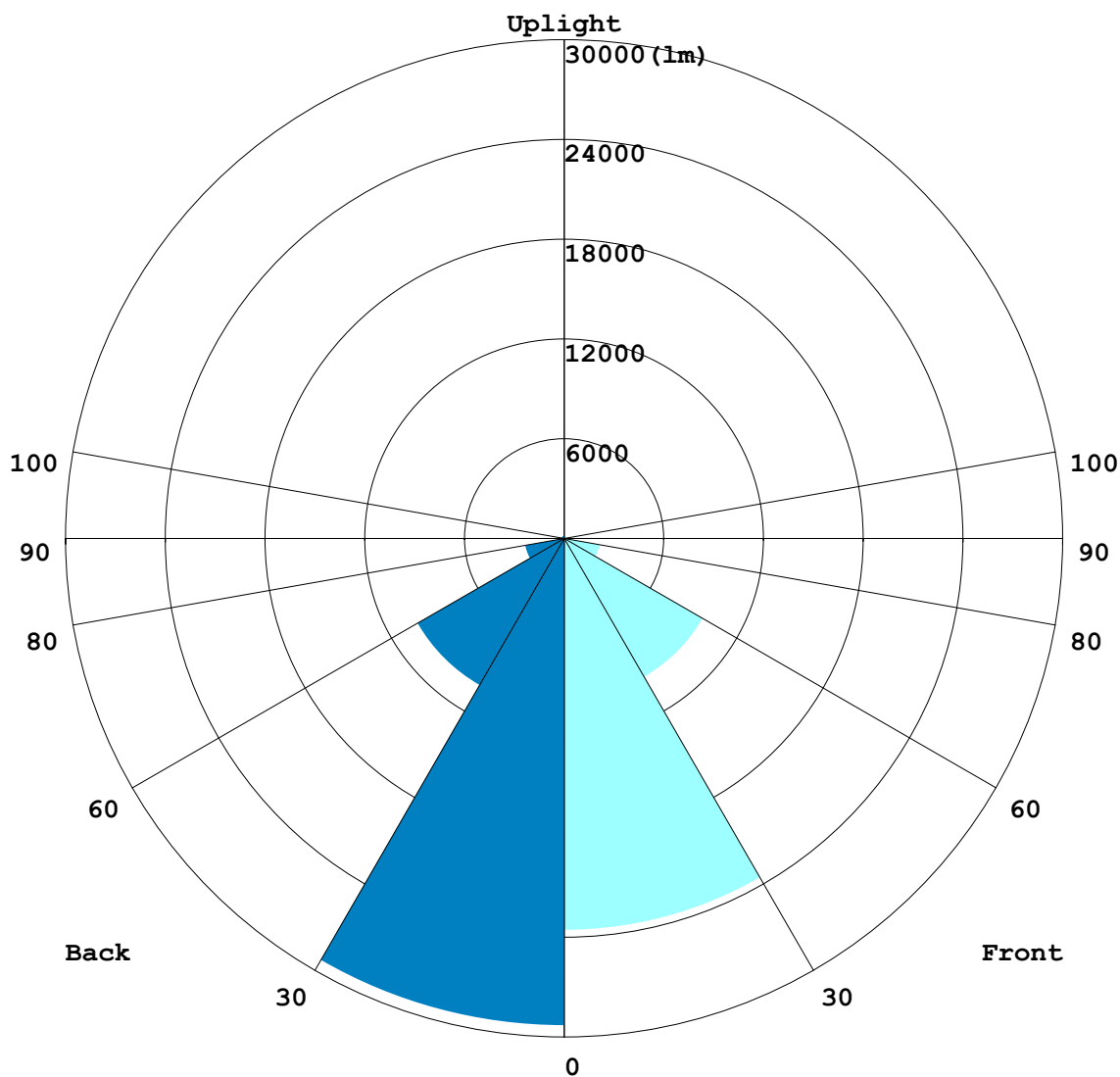
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2°C
Operators:DAMIN
Test Date:2025-08-26

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:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 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:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 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)	23551	30.3
FM - Front-Medium(30-60)	9619.2	12.4
FH - Front-High(60-80)	2174.9	2.8
FVH - Front-Very High(80-90)	76.817	0.1
Total Forward Light	35576	45.8

BL - Back-Low(0-30)	29284	37.7
BM - Back-Medium(30-60)	10181	13.1
BH - Back-High(60-80)	2386.1	3.1
BVH - Back-Very High(80-90)	129.11	0.2
Total Back Light	42139	54.2

UL - Uplight-Low(90-100)	3.627	0.0
UH - Uplight-High(100-180)	308.93	0.4
Total Up Light	312.56	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	41981	158.35	42139
Street Side	35422	154.21	35576

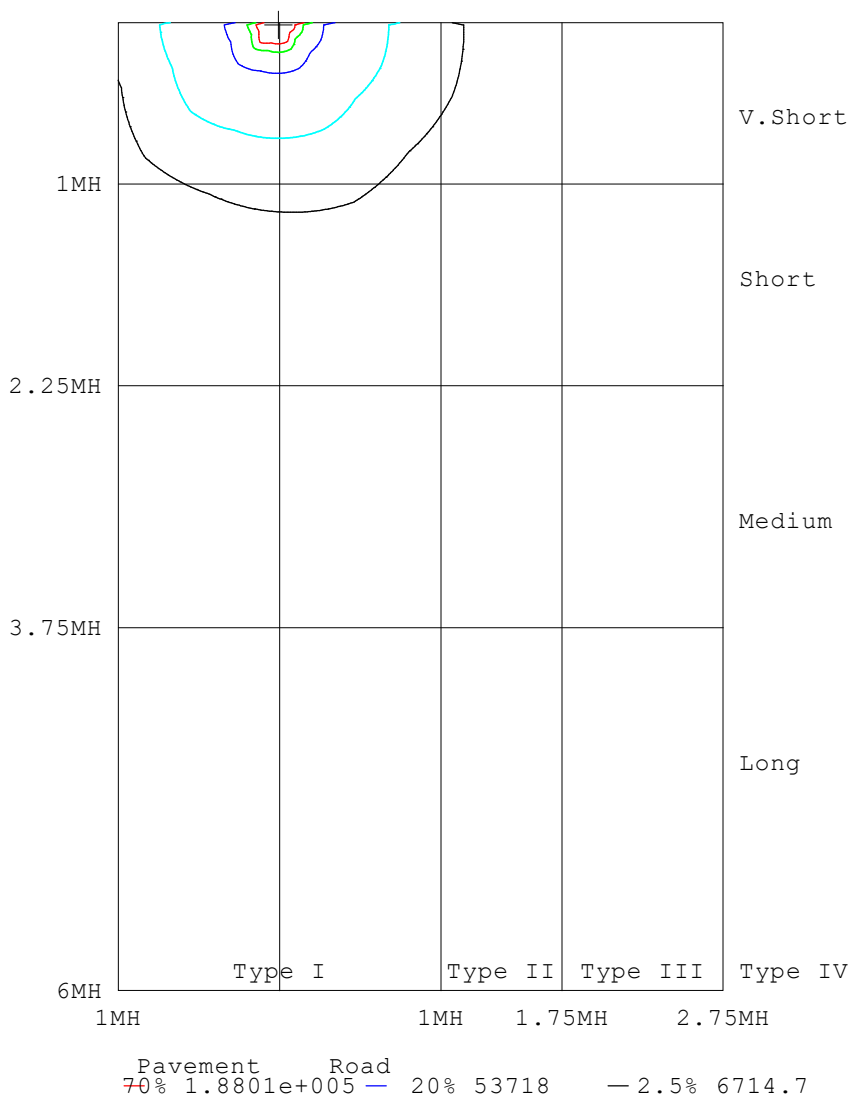
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.2℃
Operators:DAMIN
Test Date:2025-08-26

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:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 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:280.67V I:1.7375A P:486.80W PF:0.9982 Freq:60.01Hz Lamp Flux:77715.3x1 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	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645	2645			
5	2290	2245	1907	2000	1968	2098	1807	2101	2134	2169	2549	2418	2460	2324	2688	2318			
10	1404	1360	1019	1107	1074	1195	944	1199	1238	1281	1734	1573	1623	1443	1917	1435			
15	716	692	538	571	558	612	509	620	646	673	926	829	855	749	1026	736			
20	409	399	343	350	346	365	339	375	393	411	532	490	498	450	553	425			
25	309	301	282	283	280	284	274	290	300	311	366	350	353	329	374	318			
30	226	223	183	197	194	210	178	209	214	220	277	255	257	231	288	230			
35	139	139	127	130	127	132	120	129	131	135	172	156	156	142	179	142			
40	103	105	99.0	102	99.3	100	91.4	93.7	92.4	92.0	112	102	103	96.8	120	102			
45	78.5	80.7	77.7	79.1	77.7	78.0	72.4	71.8	69.3	68.1	78.1	72.7	73.9	71.5	86.6	76.7			
50	65.3	67.1	64.4	65.3	64.0	64.1	60.1	59.6	57.5	56.7	62.0	59.1	60.2	59.2	69.0	64.1			
55	53.8	54.9	52.3	53.0	52.2	52.4	49.3	49.5	48.0	47.6	52.5	50.0	50.9	49.8	58.2	53.2			
60	43.5	44.2	40.6	41.6	40.9	41.7	38.2	39.8	38.9	38.8	43.7	41.6	42.4	41.1	48.4	43.3			
65	32.8	33.2	29.0	30.2	29.7	30.7	27.3	29.6	28.9	29.3	34.3	32.2	33.0	31.4	38.1	32.9			
70	22.7	22.9	19.4	20.5	20.1	21.2	18.1	20.5	20.0	20.4	24.7	22.9	23.5	22.0	27.5	22.9			
75	14.3	14.3	11.2	12.2	11.9	12.9	10.01	12.5	12.2	12.5	16.2	14.7	15.2	13.8	18.2	14.4			
80	6.92	6.91	4.24	5.08	4.81	5.74	3.33	5.44	5.45	5.60	8.55	7.39	7.75	6.62	10.11	7.02			
85	1.42	1.36	0.09	0.32	0.23	0.66	0.07	0.50	0.51	0.58	2.43	1.66	1.92	1.15	3.38	1.38			
90	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.05	0.05	0.09	0.07	0.08	0.06	0.11	0.06			
95	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03			
100	0.04	0.04	0.04	0.04	0.04	0.04	0.05	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	0.06	0.06	0.07	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
110	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.08	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.04			
115	0.09	0.09	0.10	0.10	0.10	0.10	0.12	0.11	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
120	0.12	0.12	0.13	0.12	0.13	0.12	0.15	0.13	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
125	0.16	0.16	0.19	0.17	0.18	0.16	0.20	0.18	0.07	0.07	0.06	0.07	0.07	0.06	0.06	0.07			
130	0.22	0.22	0.27	0.25	0.25	0.23	0.28	0.25	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.09			
135	0.32	0.32	0.39	0.35	0.36	0.33	0.40	0.36	0.12	0.11	0.09	0.09	0.11	0.10	0.11	0.12			
140	0.46	0.47	0.57	0.52	0.54	0.49	0.64	0.54	0.17	0.16	0.12	0.12	0.14	0.14	0.14	0.16			
145	0.73	0.73	0.95	0.86	0.87	0.81	1.10	0.88	0.25	0.25	0.17	0.18	0.18	0.20	0.20	0.23			
150	1.12	1.14	1.53	1.41	1.42	1.36	1.78	1.40	0.44	0.43	0.30	0.31	0.29	0.35	0.31	0.39			
155	1.38	1.51	2.07	1.97	2.00	1.99	2.45	1.88	0.93	0.93	0.64	0.68	0.65	0.78	0.60	0.82			
160	1.47	1.69	2.38	2.37	2.48	2.48	2.90	2.10	2.23	2.25	1.58	1.87	1.82	2.08	1.48	2.10			
165	1.60	1.82	2.71	2.79	2.99	2.92	3.27	2.29	4.95	4.96	3.88	4.67	4.66	5.48	3.89	5.17			
170	2.26	2.35	3.06	3.46	3.81	3.64	3.57	2.72	9.30	9.34	8.79	10.7	11.0	12.3	9.67	10.9			
175	2.94	2.80	3.39	3.71	4.19	3.94	3.51	3.05	7.62	7.67	11.9	12.7	13.3	12.2	13.9	8.87			
180	4.00	4.38	4.96	4.81	4.44	4.27	3.90	3.66	4.06	4.08	6.61	5.93	6.30	5.39	6.71	3.70			

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: