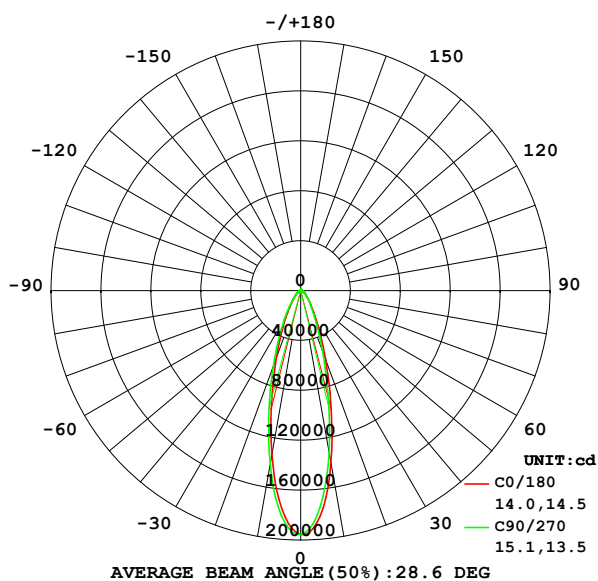
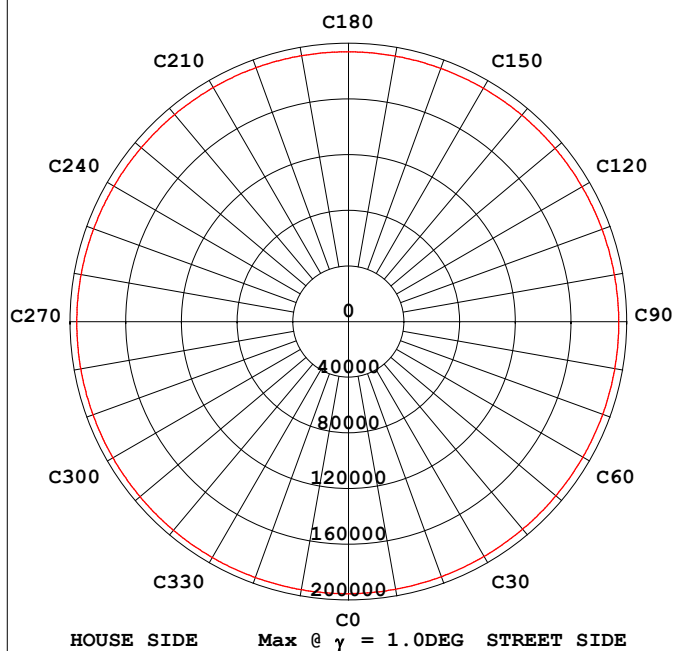


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:AMERICANLITE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.17 lm/W			
MODEL		Imax(cd)	195675	η street_up(%)	0.2
NOMINAL POWER(W)	500	LOR(%)	100.0	η street_down(%)	47.9
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	80088	η house_up(%)	0.2
NOMINAL FLUX(lm)	80088.4	MAXIMUM @ (C, γ)	315,1.0	η house_down(%)	51.7
LAMPS INSIDE	1	η up(%)	0.4	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	99.6	SLI	

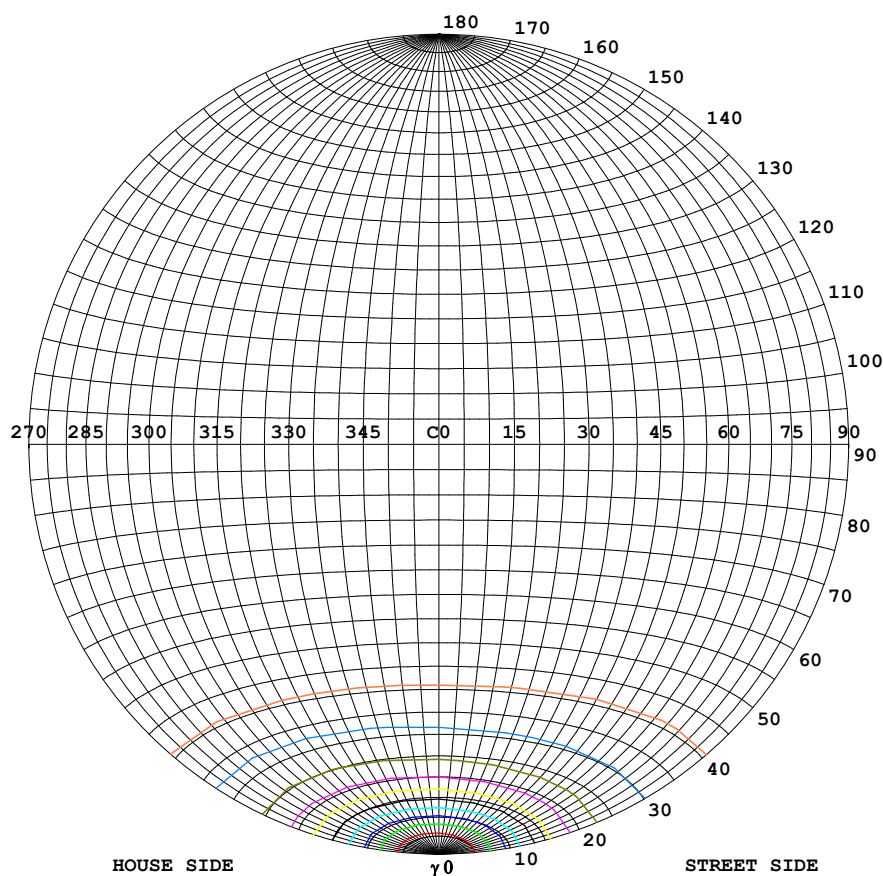
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

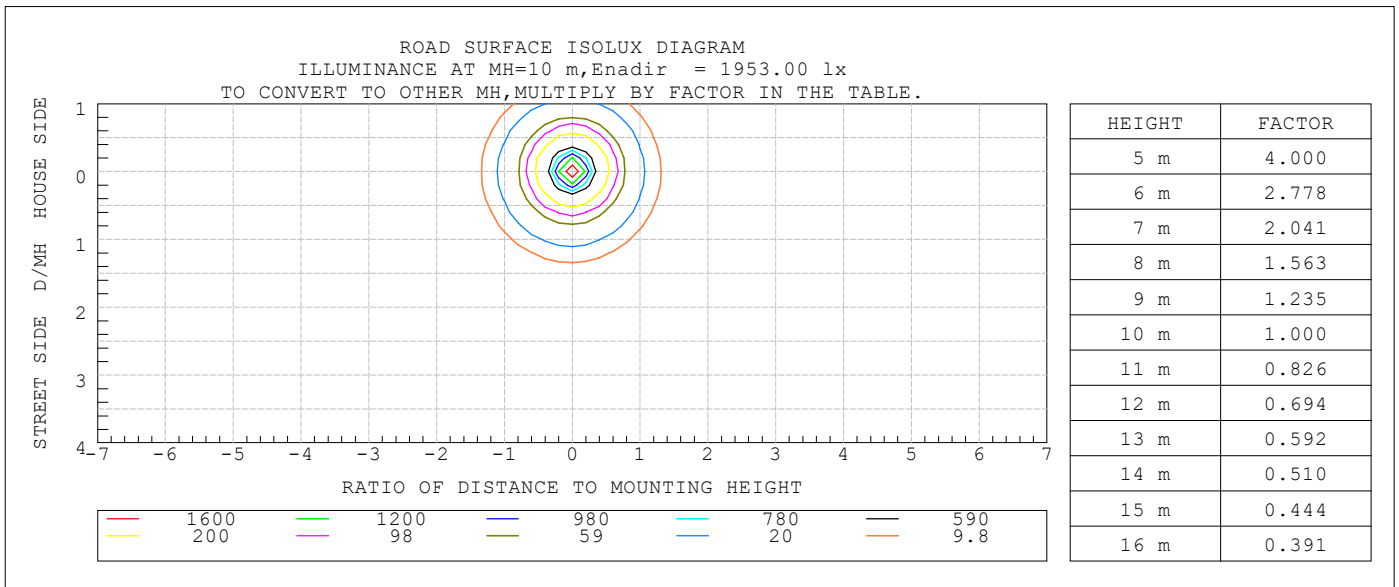
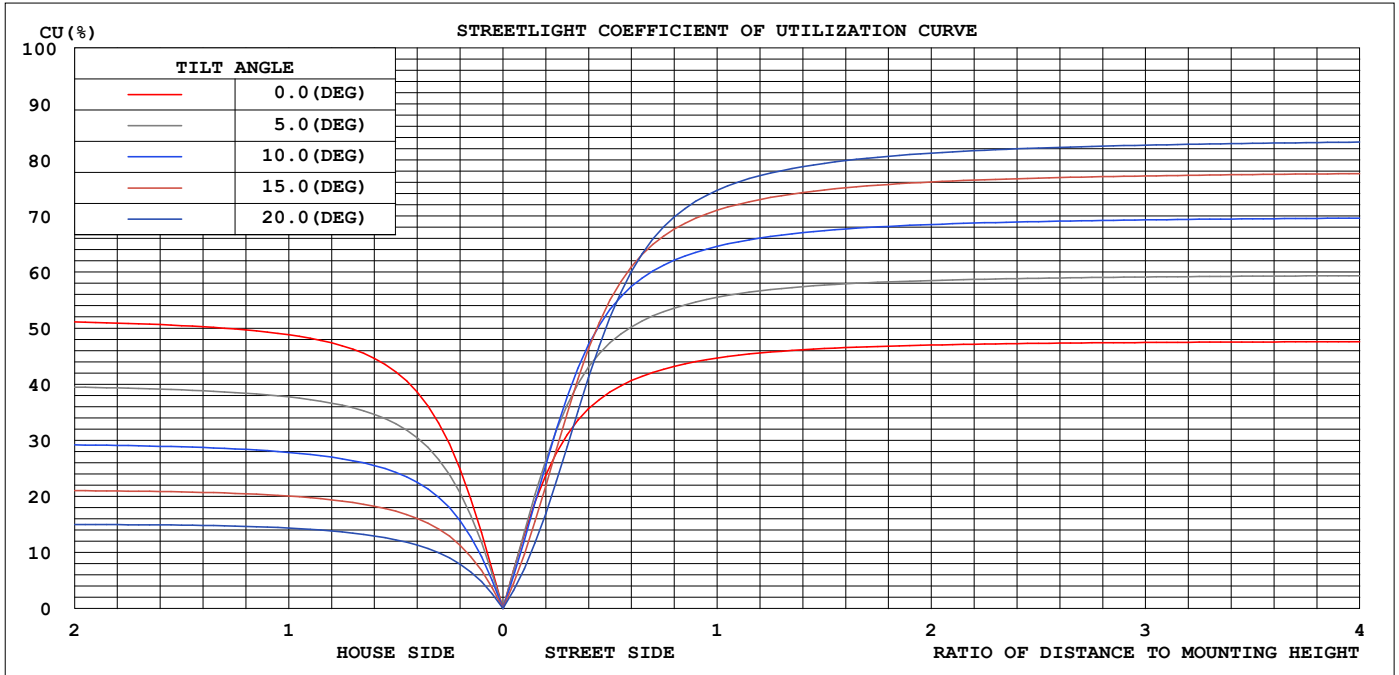
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:6.628cd/klm
Max.At90:0.0777cd/klm
Max.80-90:6.628cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	195675
90%	176107
80%	156540
70%	136972
60%	117405
50%	97837
40%	78270
30%	58702
20%	39135
10%	19567
5%	9784

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
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: 27.4℃
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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

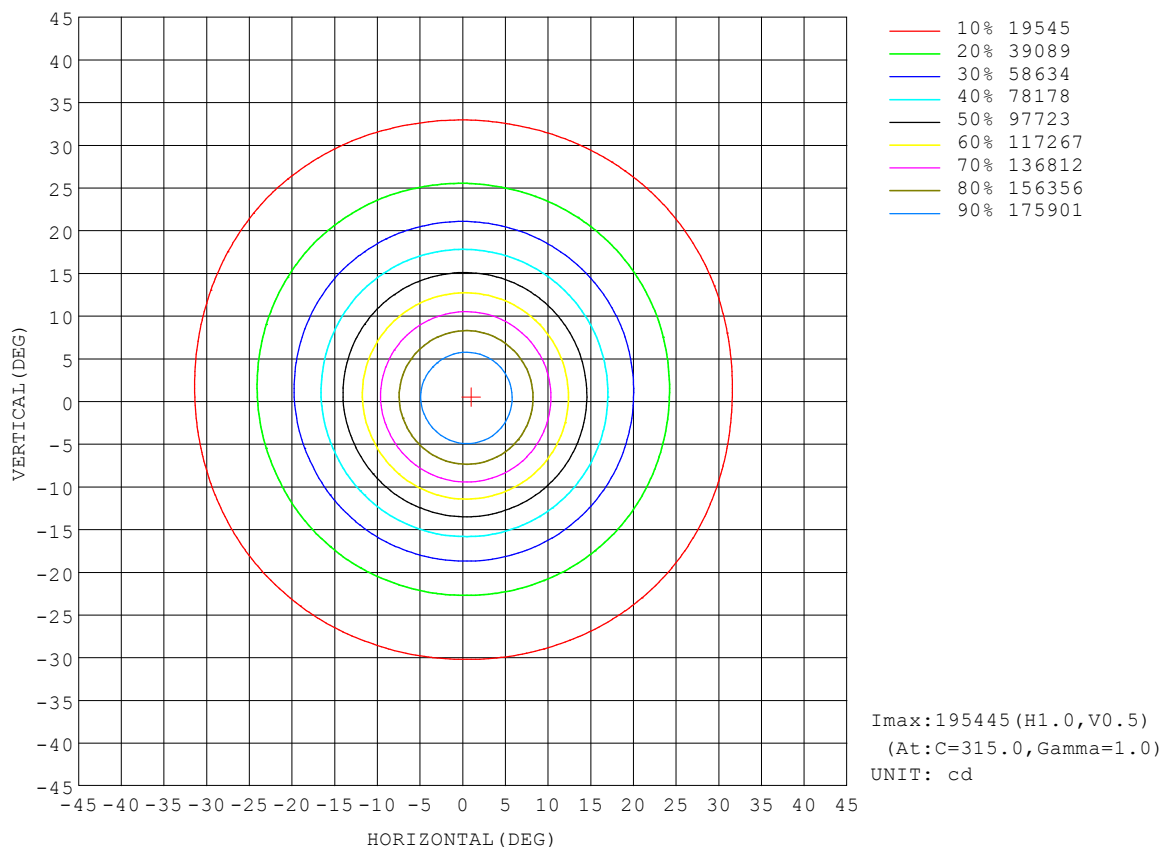
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1402	1356	1315	1298	1332	1372	1412	1424	0- 10	15634	15634	19.5,19.5
20	586.8	540.1	513.2	518.8	570.3	623.4	644.5	625.7	10- 20	25294	40928	51.1,51.1
30	224.3	208.5	199.4	200.9	221.7	248.6	257.1	246.0	20- 30	16813	57741	72.1,72.1
40	103.7	104.4	102.1	96.11	94.67	101.3	104.8	104.8	30- 40	9411	67152	83.8,83.8
50	54.37	55.81	54.81	51.95	49.77	50.75	51.86	53.49	40- 50	5708	72860	91,91
60	29.43	29.49	29.18	28.31	27.65	28.60	29.46	29.80	50- 60	3519	76379	95.4,95.4
70	15.98	15.67	15.49	15.05	14.71	15.35	16.11	16.42	60- 70	2176	78555	98.1,98.1
80	5.088	4.871	4.447	4.067	3.981	4.234	4.774	5.167	70- 80	1047	79602	99.4,99.4
90	0.0380	0.0352	0.0341	0.0323	0.0510	0.0519	0.0565	0.0602	80- 90	143.6	79746	99.6,99.6
100	0.0400	0.0406	0.0419	0.0421	0.0320	0.0307	0.0314	0.0304	90-100	3.983	79750	99.6,99.6
110	0.0683	0.0685	0.0708	0.0718	0.0426	0.0400	0.0404	0.0394	100-110	4.683	79754	99.6,99.6
120	0.1175	0.1182	0.1240	0.1270	0.0530	0.0489	0.0503	0.0498	110-120	6.802	79761	99.6,99.6
130	0.2319	0.2487	0.2594	0.2568	0.0860	0.0734	0.0837	0.0836	120-130	10.71	79772	99.6,99.6
140	0.5564	0.5945	0.6121	0.6275	0.1761	0.1358	0.1493	0.1581	130-140	19.50	79791	99.6,99.6
150	1.206	1.322	1.365	1.515	0.4989	0.4432	0.3884	0.4329	140-150	37.56	79829	99.7,99.7
160	1.490	2.147	2.298	2.536	2.130	2.142	2.063	2.037	150-160	62.60	79892	99.8,99.8
170	5.379	6.070	6.731	6.518	9.147	10.22	11.23	10.93	160-170	122.4	80014	99.9,99.9
180	4.908	5.570	6.214	4.676	4.855	5.335	6.102	5.534	170-180	74.44	80088	100,100
DEG	LUMINOUS INTENSITY:X100cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
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

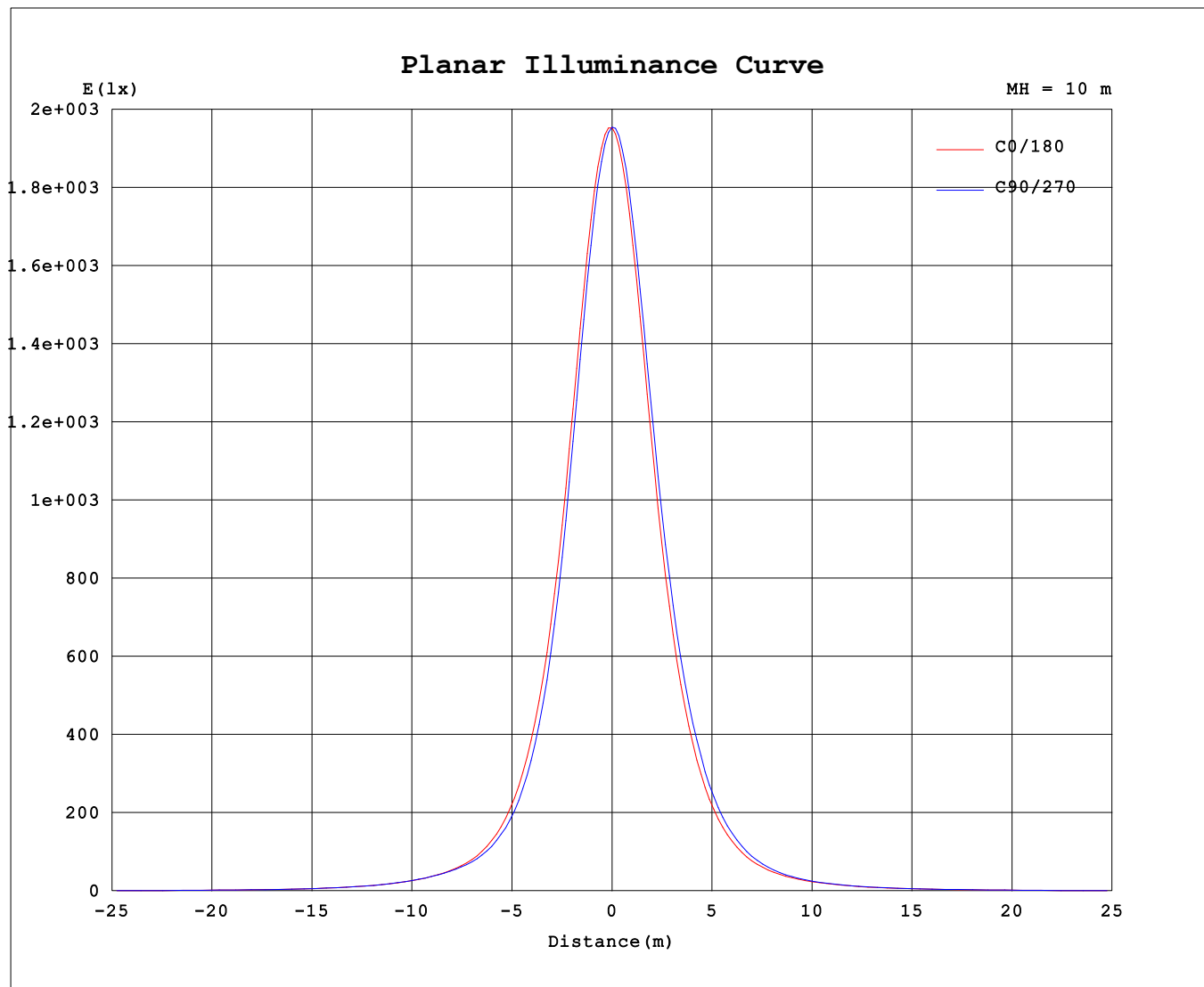
Test:U:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
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



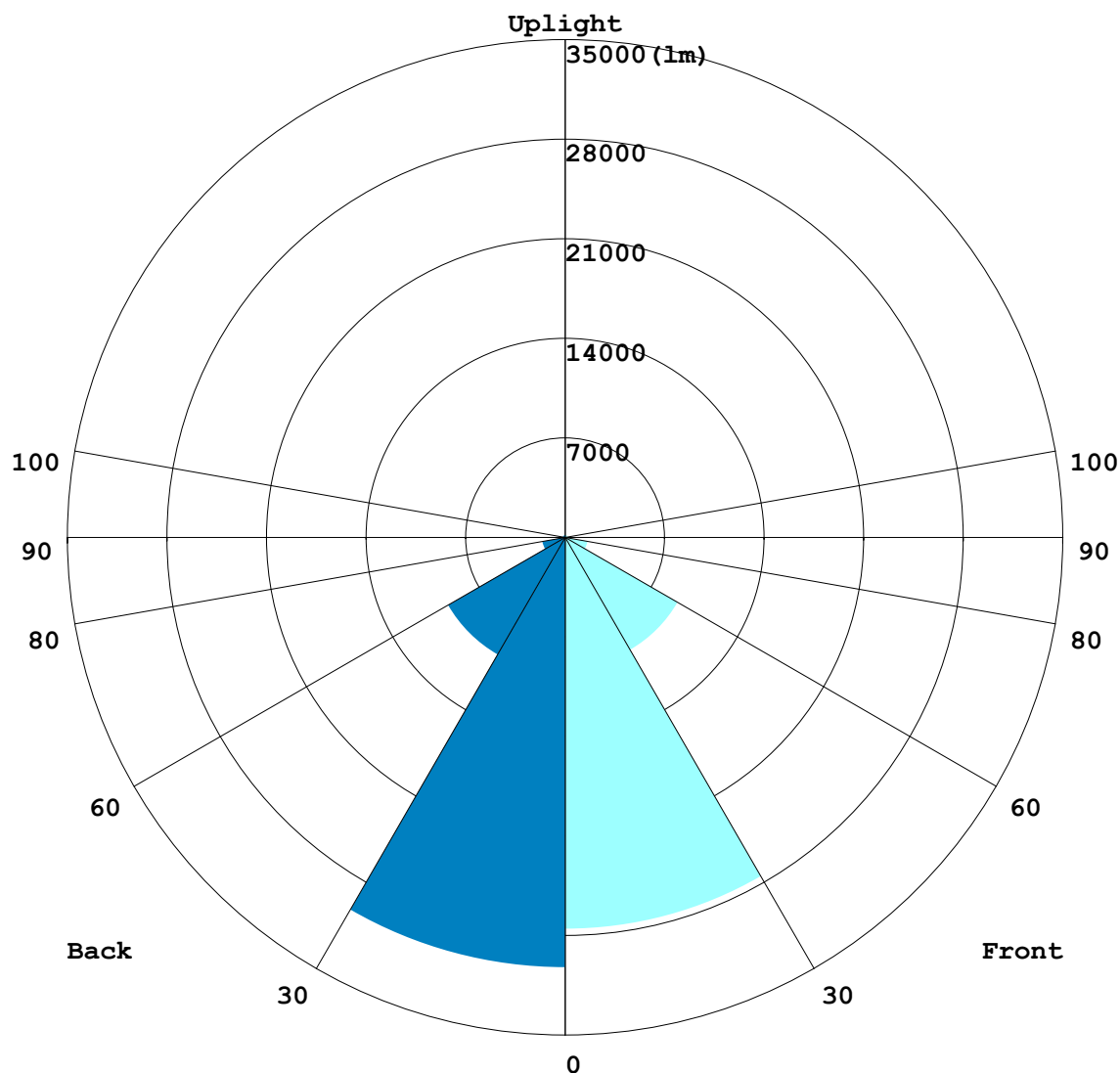
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
Operators:DAMIN
Test Date:2025-08-26

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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 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: 27.4℃
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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 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)	27524	34.4
FM - Front-Medium(30-60)	9127.2	11.4
FH - Front-High(60-80)	1600.7	2.0
FVH - Front-Very High(80-90)	71.088	0.1
Total Forward Light	38503	48.1

BL - Back-Low(0-30)	30217	37.7
BM - Back-Medium(30-60)	9510.8	11.9
BH - Back-High(60-80)	1622.5	2.0
BVH - Back-Very High(80-90)	72.515	0.1
Total Back Light	41586	51.9

UL - Uplight-Low(90-100)	3.9827	0.0
UH - Uplight-High(100-180)	338.66	0.4
Total Up Light	342.64	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	41423	162.66	41586
Street Side	38323	179.98	38503

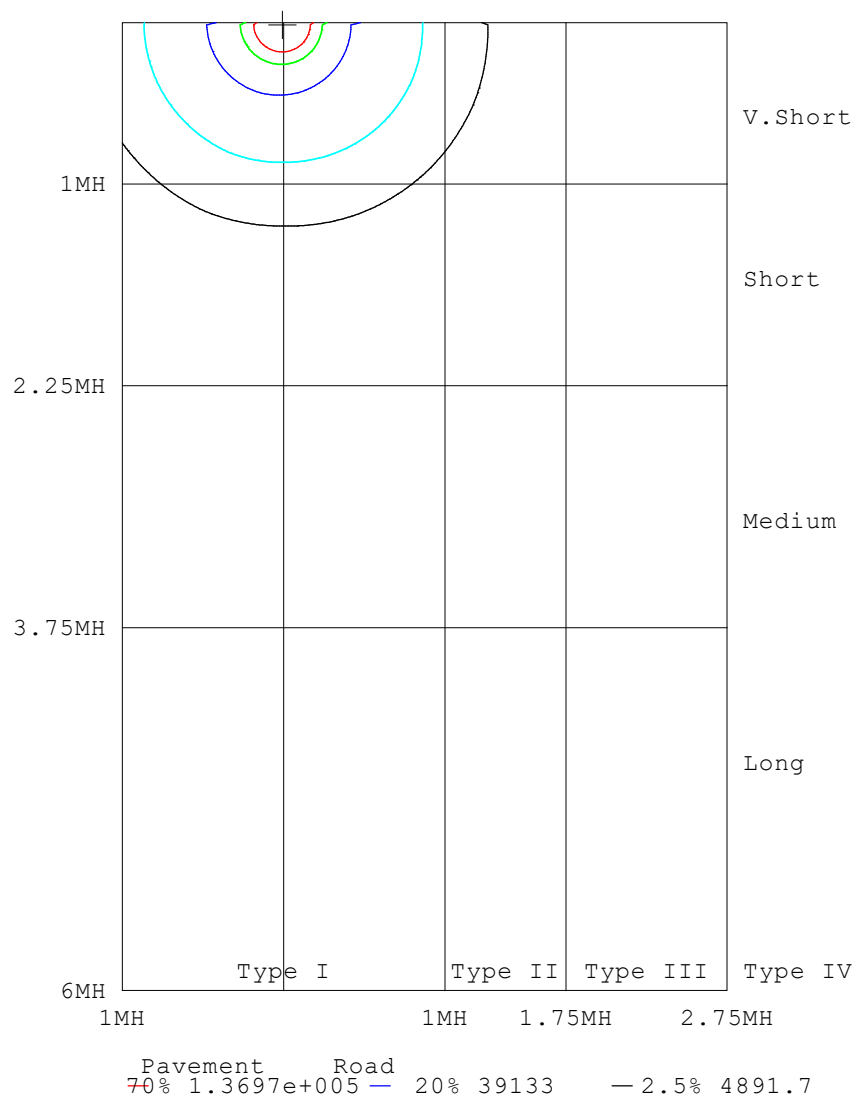
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
Operators:DAMIN
Test Date:2025-08-26

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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 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: 27.4℃
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:280.68V I:1.7411A P:487.83W PF:0.9982 Freq:60.01Hz Lamp Flux:80088.4x1 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	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954			
5	1813	1799	1784	1770	1755	1744	1740	1741	1754	1765	1776	1793	1807	1817	1823	1822			
10	1402	1378	1356	1332	1315	1301	1298	1305	1332	1353	1372	1394	1412	1422	1424	1416			
15	937	912	886	864	848	841	846	862	896	925	950	971	983	984	975	959			
20	587	562	540	524	513	511	519	537	570	599	623	639	645	639	626	611			
25	361	343	328	318	311	311	317	331	356	379	397	408	410	404	394	381			
30	224	217	209	203	199	198	201	209	222	236	249	256	257	253	246	238			
35	147	143	141	139	136	134	133	135	141	148	156	161	162	160	156	153			
40	104	104	104	104	102	99.1	96.1	94.4	94.7	97.6	101	104	105	105	105	106			
45	75.2	76.4	77.1	77.3	75.8	73.6	71.1	69.3	67.8	68.4	69.8	71.3	71.9	72.6	73.7	75.6			
50	54.4	55.4	55.8	56.0	54.8	53.5	51.9	50.7	49.8	50.1	50.8	51.6	51.9	52.7	53.5	54.9			
55	39.4	40.1	40.4	40.4	39.6	38.8	37.9	37.2	36.4	36.9	37.4	38.0	38.3	38.6	39.1	39.9			
60	29.4	29.6	29.5	29.5	29.2	28.7	28.3	28.2	27.7	28.2	28.6	29.1	29.5	29.6	29.8	30.1			
65	22.1	22.1	21.8	21.8	21.7	21.3	21.3	21.5	20.9	21.4	21.6	22.1	22.4	22.5	22.7	22.8			
70	16.0	16.0	15.7	15.6	15.5	15.2	15.1	15.1	14.7	15.1	15.4	15.8	16.1	16.3	16.4	16.6			
75	10.3	10.3	10.0	9.90	9.76	9.44	9.26	9.26	9.00	9.28	9.44	9.79	10.2	10.3	10.5	10.7			
80	5.09	5.08	4.87	4.66	4.45	4.22	4.07	4.00	3.98	4.11	4.23	4.51	4.77	5.03	5.17	5.31			
85	0.99	0.96	0.83	0.73	0.63	0.48	0.40	0.36	0.38	0.45	0.51	0.61	0.76	0.86	0.97	1.06			
90	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.06	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	0.04	0.04	0.04	0.04	0.04			
100	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
105	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
110	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
115	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
120	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
125	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07			
130	0.23	0.24	0.25	0.25	0.26	0.25	0.26	0.27	0.09	0.08	0.07	0.08	0.08	0.08	0.08	0.09			
135	0.35	0.37	0.38	0.38	0.40	0.39	0.39	0.41	0.12	0.11	0.09	0.09	0.11	0.10	0.11	0.12			
140	0.56	0.58	0.59	0.59	0.61	0.62	0.63	0.66	0.18	0.16	0.14	0.13	0.15	0.15	0.16	0.17			
145	0.88	0.88	0.90	0.92	0.93	0.98	1.00	1.04	0.28	0.27	0.23	0.22	0.22	0.23	0.25	0.26			
150	1.21	1.21	1.32	1.36	1.37	1.45	1.52	1.49	0.50	0.49	0.44	0.41	0.39	0.41	0.43	0.46			
155	1.38	1.48	1.77	1.82	1.84	1.95	2.06	1.85	0.98	0.98	0.94	0.87	0.84	0.85	0.87	0.90			
160	1.49	1.68	2.15	2.22	2.30	2.42	2.54	2.08	2.13	2.12	2.14	2.11	2.06	2.03	2.04	2.05			
165	2.95	3.18	3.78	3.91	4.16	4.27	4.31	3.64	4.66	4.63	4.88	5.06	5.04	4.93	4.88	4.68			
170	5.38	5.51	6.07	6.42	6.73	6.76	6.52	5.94	9.15	9.14	10.2	11.0	11.2	11.3	10.9	10.0			
175	4.46	4.42	4.78	5.33	5.78	5.58	5.08	4.70	7.79	7.84	9.65	11.0	11.5	11.7	10.6	8.83			
180	4.91	5.30	5.57	6.02	6.21	5.42	4.68	4.73	4.85	4.89	5.33	5.65	6.10	6.36	5.53	4.72			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.4℃
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: