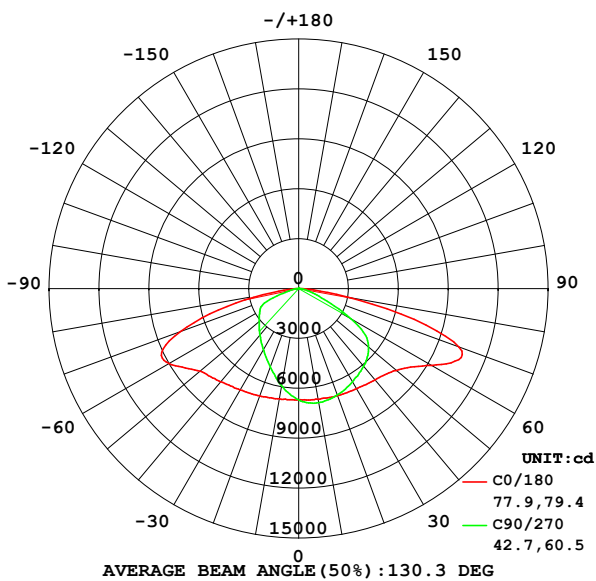
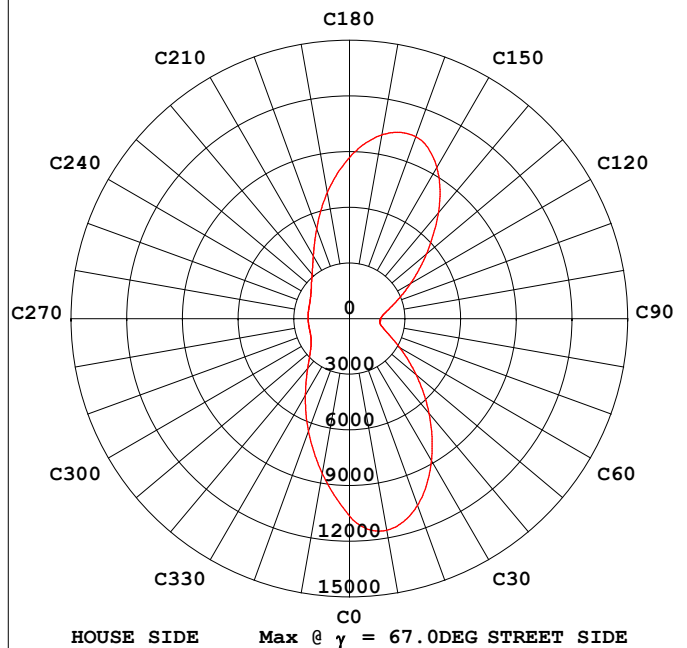


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz
Lamp Flux:27729.4x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.82 lm/W			
MODEL	AL-240WS-3CS-T3	Imax(cd)	10628	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	99.8	η street_down(%)	59.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	27666	η house_up(%)	0.0
NOMINAL FLUX(lm)	27729.4	MAXIMUM @ (C, γ)	0,67.0	η house_down(%)	40.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.8	SLI	25.117

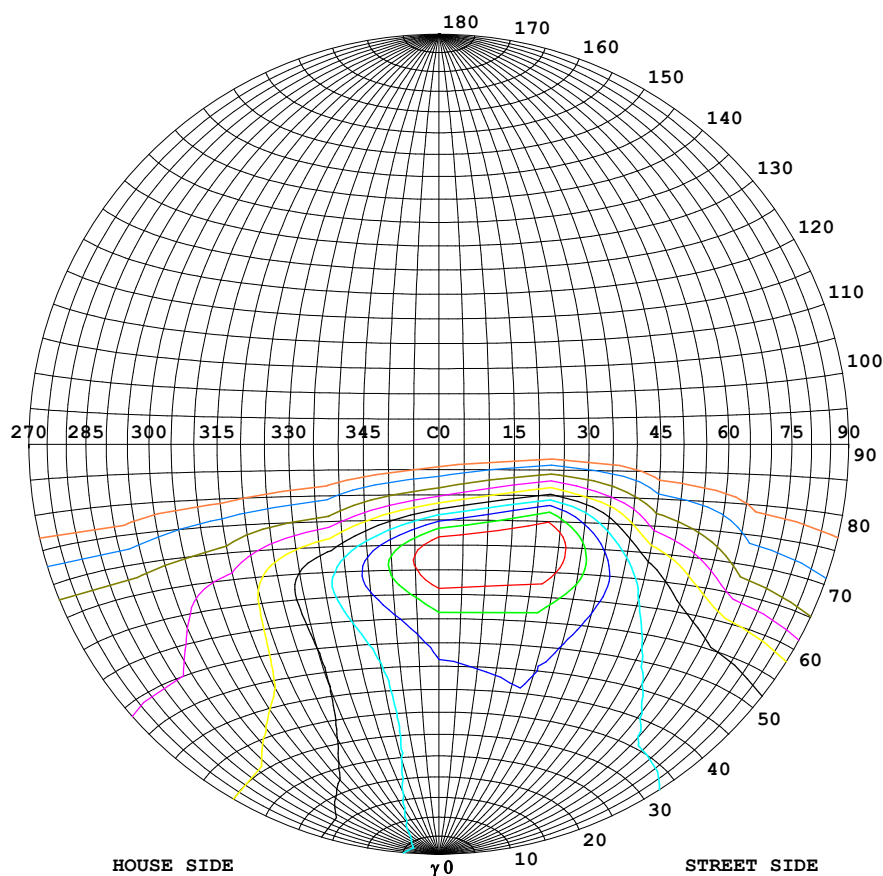
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

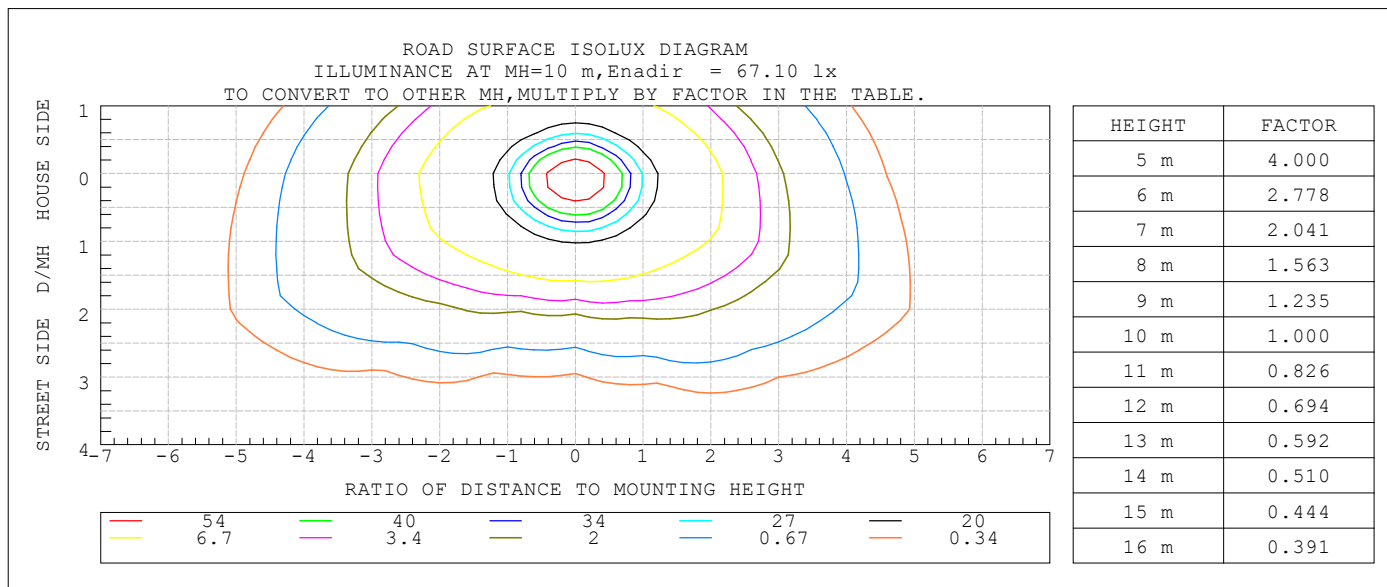
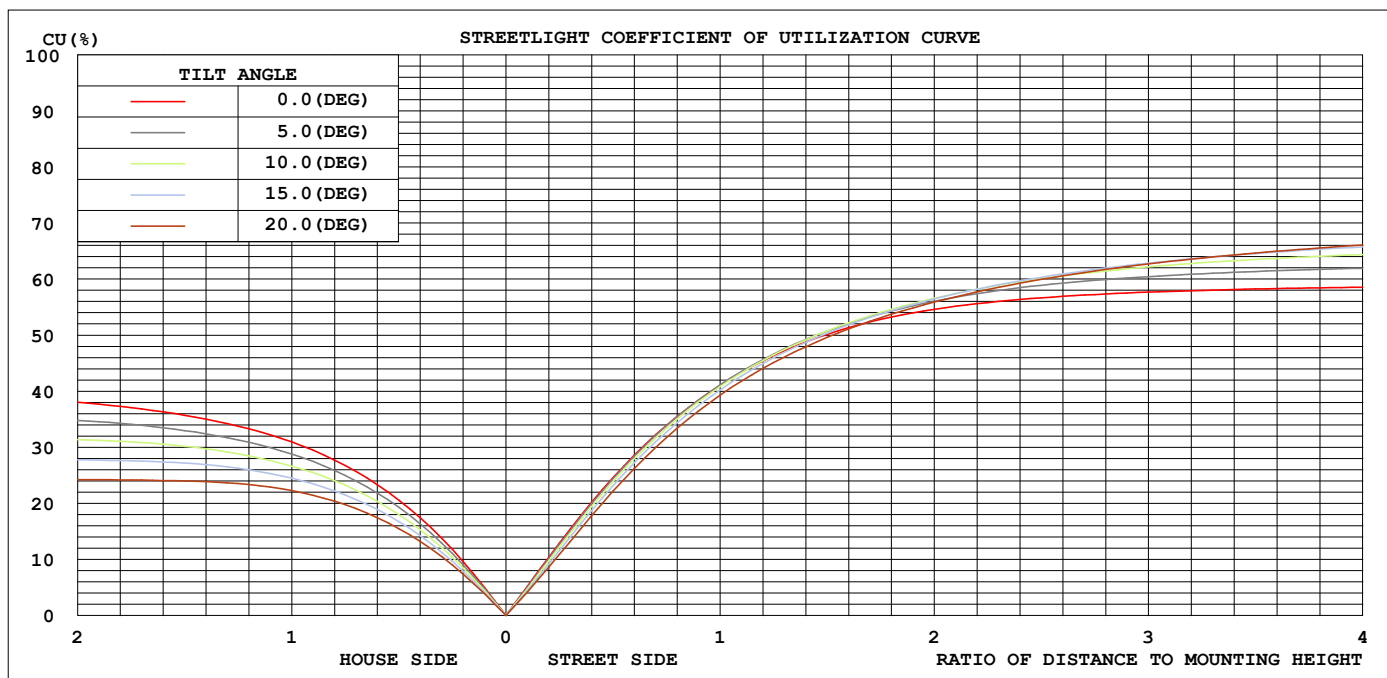
IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:199.8cd/klm
Max.At90:0cd/klm
Max.80-90:199.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10628
90%	9565
80%	8502
70%	7440
60%	6377
50%	5314
40%	4251
30%	3188
20%	2126
10%	1063
5%	531

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators: DAMIN
Test Date: 2024-12-24

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=0.4295]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlight lighting	SUR.:	Shielding Angle:

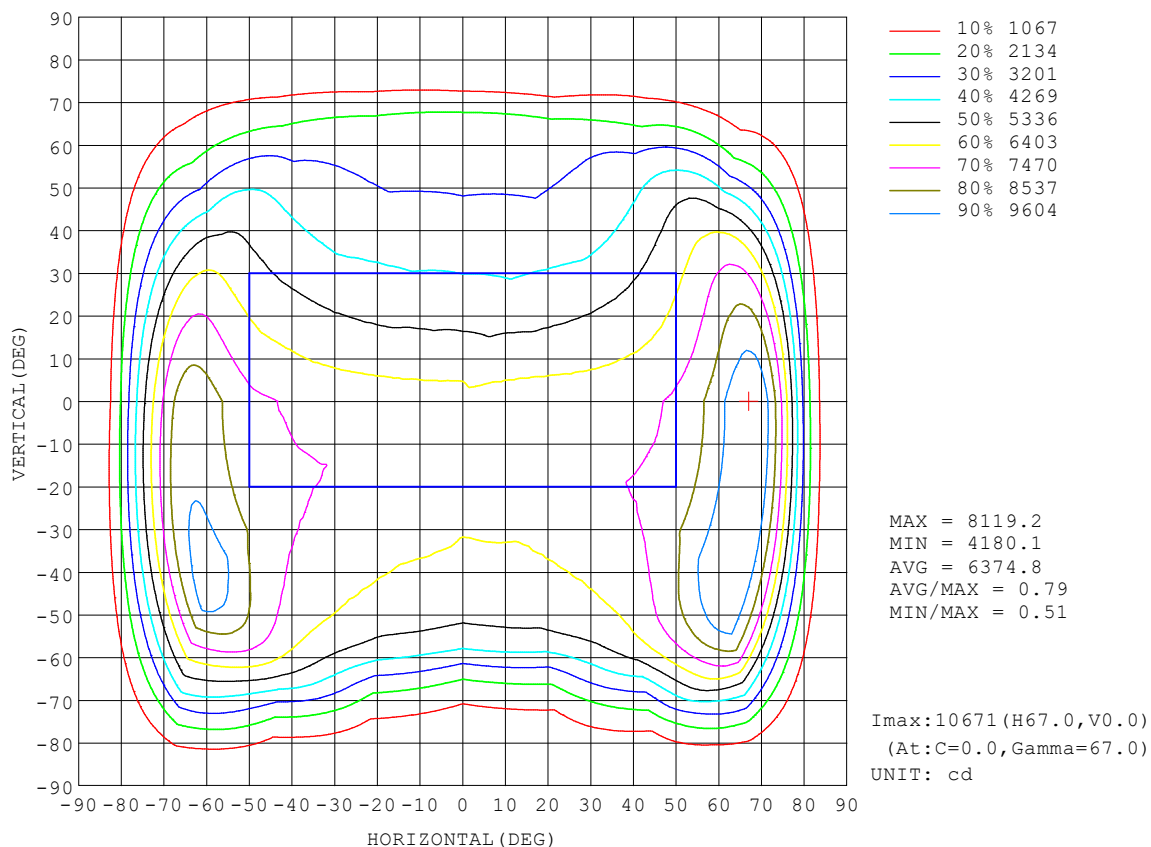
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	675.7	693.2	696.4	701.0	672.3	619.8	595.0	620.4	0- 10	633.5	633.5	2.29,2.28
20	684.0	695.7	679.9	718.9	687.5	554.0	500.9	553.1	10- 20	1831	2464	8.91,8.89
30	695.5	688.0	647.6	716.4	704.4	493.1	424.7	490.7	20- 30	2869	5334	19.3,19.2
40	716.2	673.2	609.9	706.7	731.1	443.7	363.4	442.3	30- 40	3739	9073	32.8,32.7
50	766.0	660.4	549.1	700.5	772.5	401.3	311.1	405.9	40- 50	4469	13542	48.9,48.8
60	924.0	641.3	362.8	685.9	901.3	354.8	270.5	377.5	50- 60	5099	18641	67.4,67.2
70	1025	474.9	117.1	571.0	756.4	240.4	164.1	242.6	60- 70	5252	23892	86.4,86.2
80	295.9	129.8	34.64	163.5	220.3	54.18	32.51	42.00	70- 80	3201	27094	97.9,97.7
90	0	0	0	0	0	0	0	0	80- 90	572.1	27666	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	27666	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	27666	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	27666	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	27666	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	27666	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	27666	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	27666	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	27666	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	27666	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

ISOCANDELA DIAGRAM

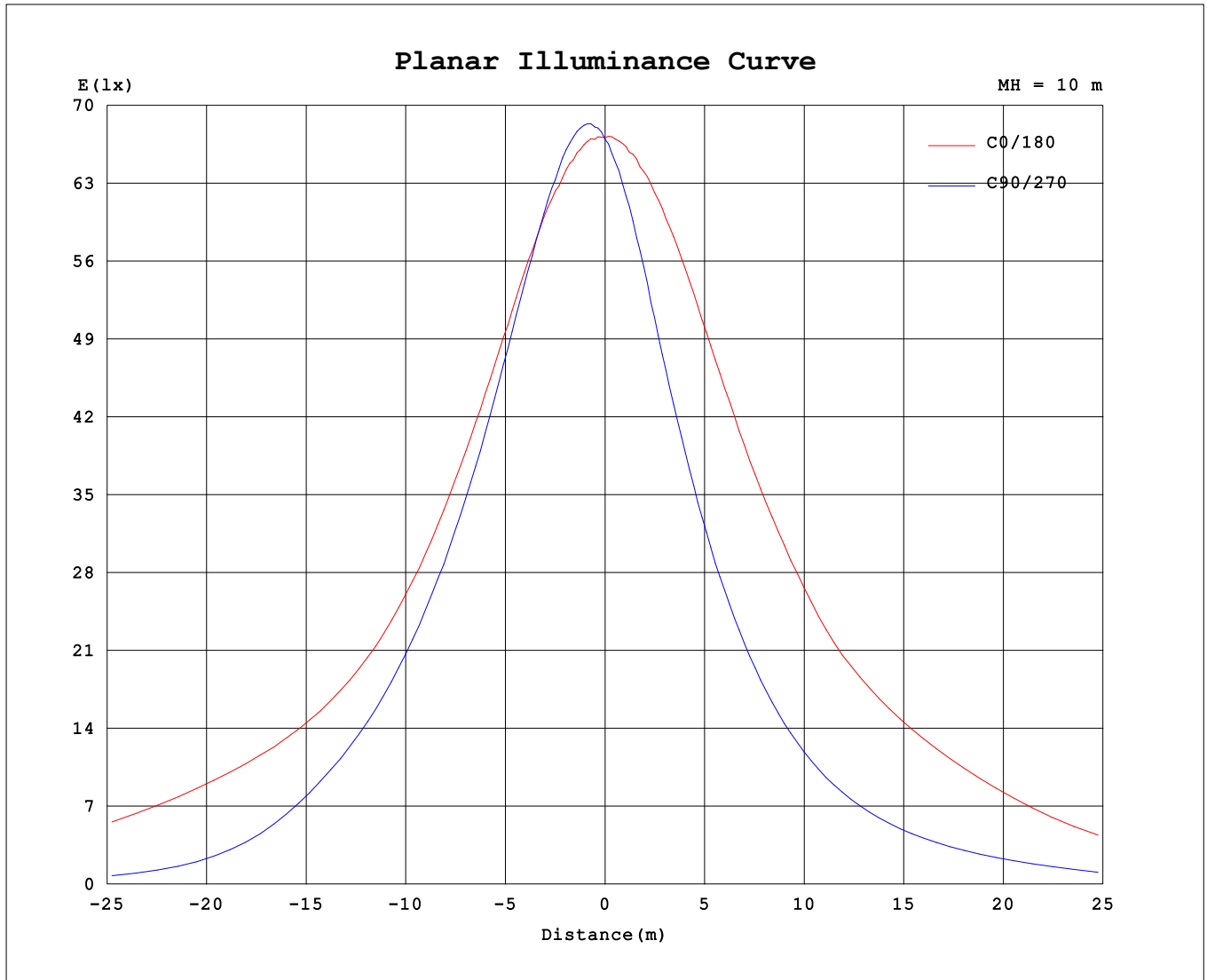
Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

Planar Illuminance Curve



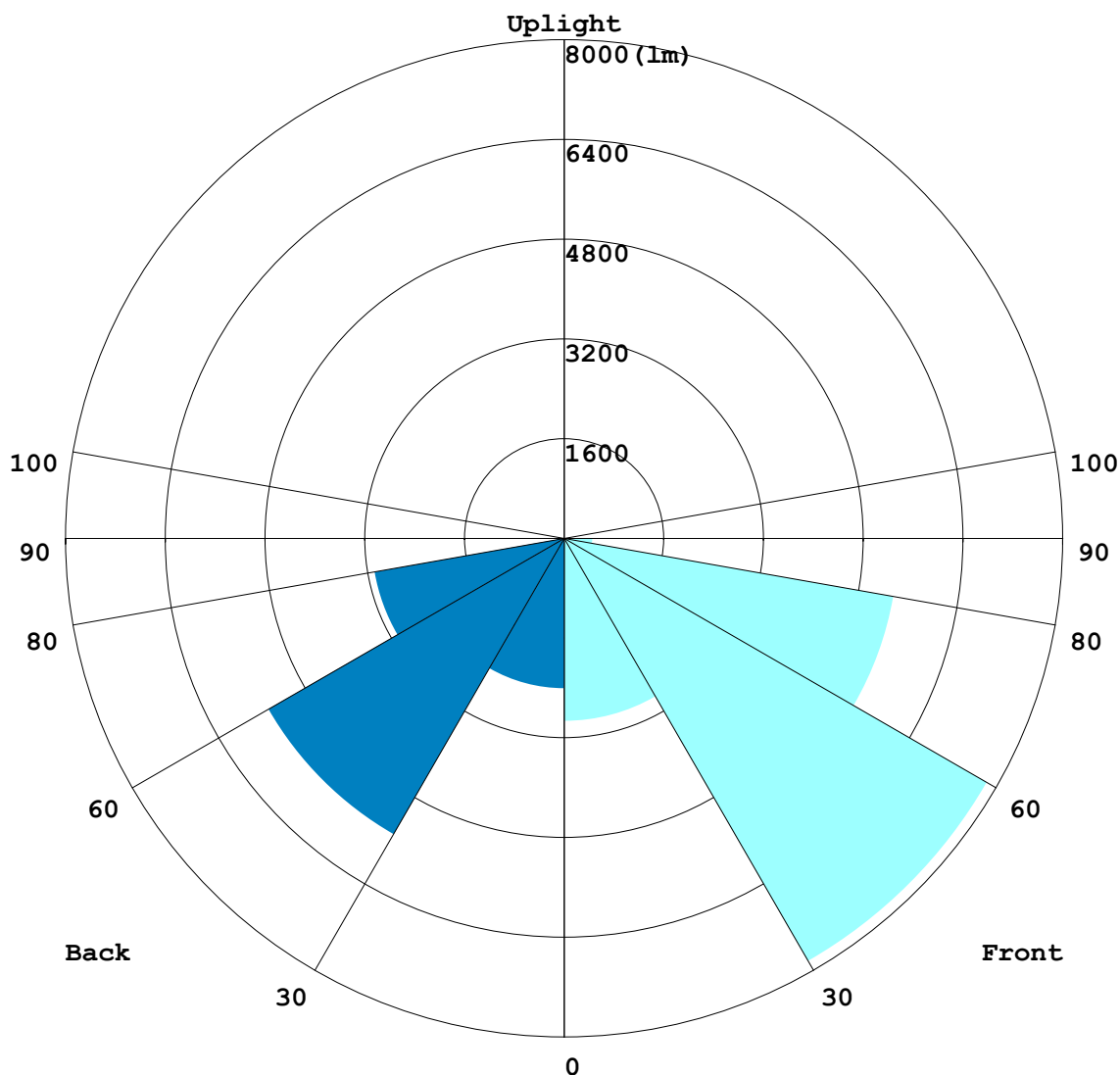
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 24.9°C
 Operators:DAMIN
 Test Date:2024-12-24

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=0.4295]
 Remarks:

LCS REPORT

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

BUG REPORT

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2927.2	10.6
FM - Front-Medium(30-60)	7830	28.3
FH - Front-High(60-80)	5362.2	19.4
FVH - Front-Very High(80-90)	451.62	1.6
Total Forward Light	16571	59.9

BL - Back-Low(0-30)	2406.4	8.7
BM - Back-Medium(30-60)	5477	19.8
BH - Back-High(60-80)	3091.1	11.2
BVH - Back-Very High(80-90)	120.52	0.4
Total Back Light	11095	40.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11095	0	11095
Street Side	16571	0	16571

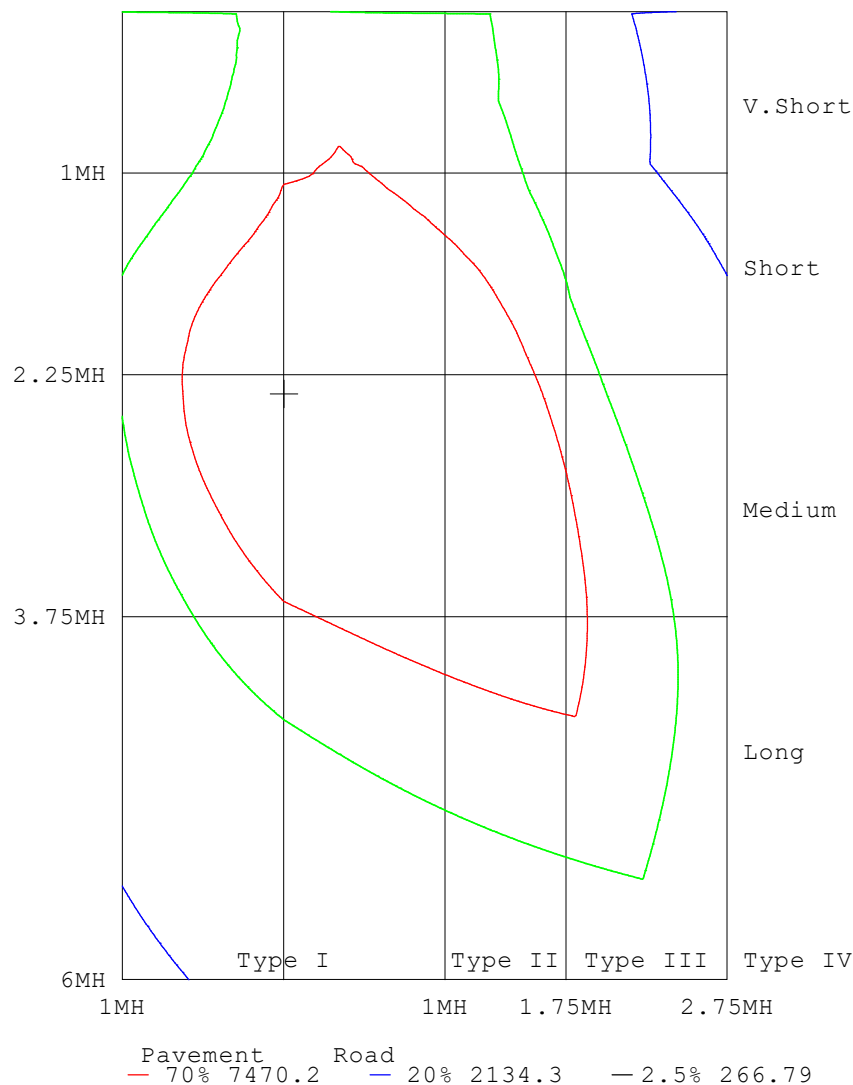
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.91V I:1.6763A P:199.30W PF:0.9998 Freq:60.01Hz Lamp Flux:27729.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

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	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668			
5	673	678	685	686	690	691	687	679	671	657	647	639	636	636	646	659			
10	676	686	693	695	696	706	701	691	672	644	620	600	595	594	620	647			
15	680	697	699	692	693	709	713	703	680	631	589	555	546	549	589	638			
20	684	705	696	681	680	707	719	713	687	619	554	513	501	506	553	622			
25	690	713	693	670	666	696	720	727	695	605	523	475	460	469	521	610			
30	696	721	688	654	648	682	716	738	704	591	493	439	425	434	491	595			
35	705	727	681	638	630	664	714	749	716	581	467	409	393	403	465	586			
40	716	737	673	620	610	648	707	758	731	574	444	380	363	375	442	583			
45	734	753	667	603	585	626	704	777	750	570	422	352	336	348	423	584			
50	766	777	660	576	549	602	701	799	773	565	401	324	311	322	406	596			
55	823	822	654	534	491	561	697	836	832	568	379	301	290	300	392	617			
60	924	896	641	442	363	490	686	911	901	569	355	279	270	279	378	642			
65	1035	999	602	289	216	353	661	1007	909	526	314	250	246	251	340	634			
70	1025	1059	475	166	117	212	571	1011	756	384	240	184	164	164	243	503			
75	720	944	287	88.1	65.7	115	361	796	501	225	133	85.0	70.7	70.0	135	259			
80	296	554	130	44.8	34.6	59.9	164	507	220	102	54.2	35.0	32.5	28.8	42.0	88.1			
85	64.0	155	31.2	17.9	13.6	25.9	47.6	180	35.1	18.1	11.8	8.76	9.92	4.60	5.82	12.0			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks: