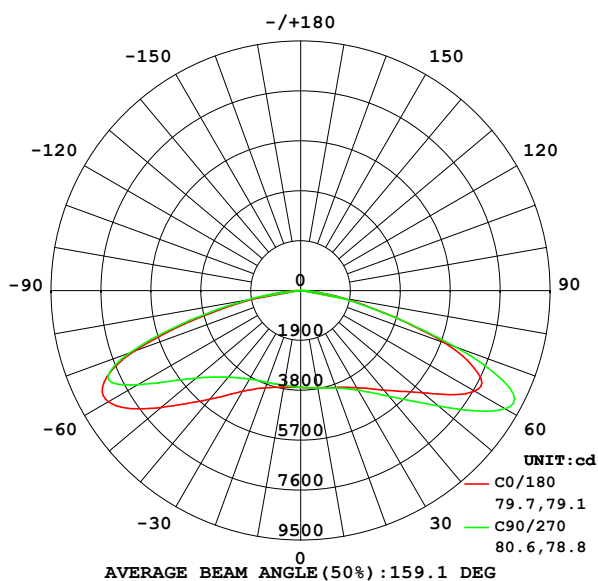
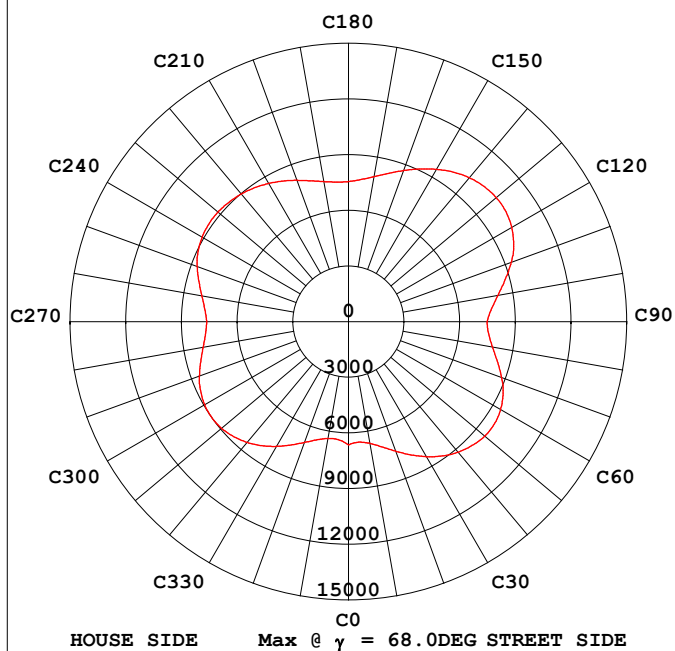


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.70 lm/W			
MODEL	AL-240WS-3CS-T5	Imax (cd)	10321	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	51.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	31856	η house_up (%)	0.0
NOMINAL FLUX (lm)	31928	MAXIMUM @ (C, γ)	135,68.0	η house_down (%)	48.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.085

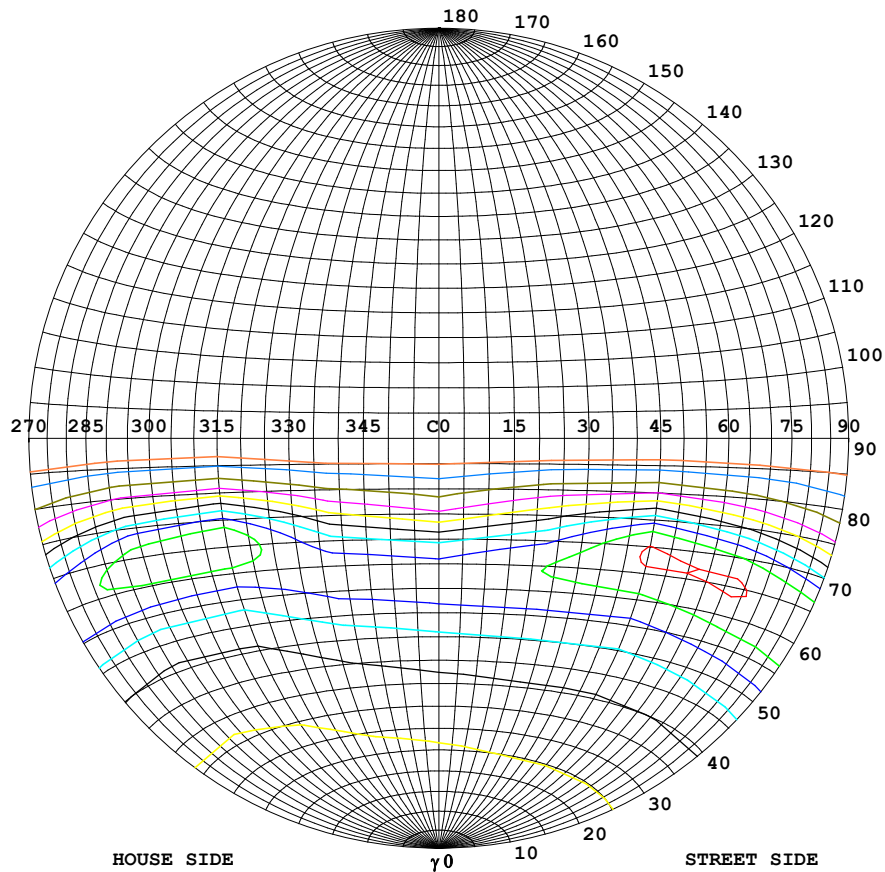
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



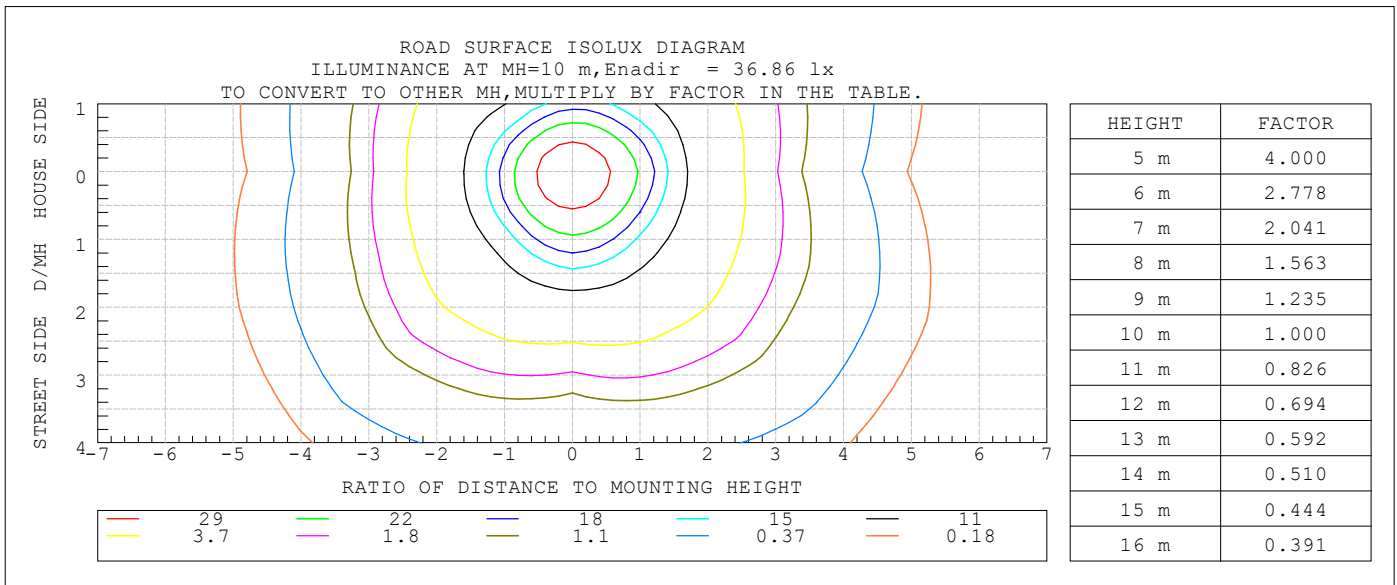
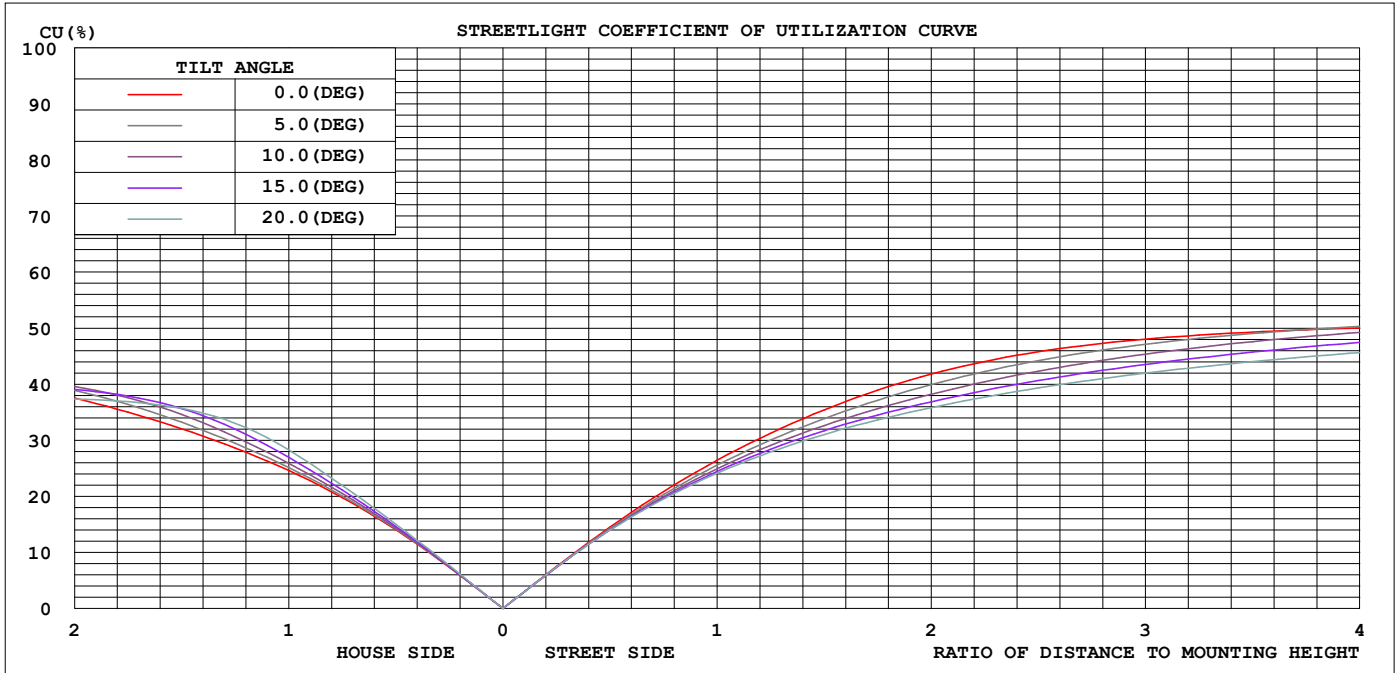
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:143.4cd/klm
Max.At90:0cd/klm
Max.80-90:143.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10321
90%	9288
80%	8256
70%	7224
60%	6192
50%	5160
40%	4128
30%	3096
20%	2064
10%	1032
5%	516

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

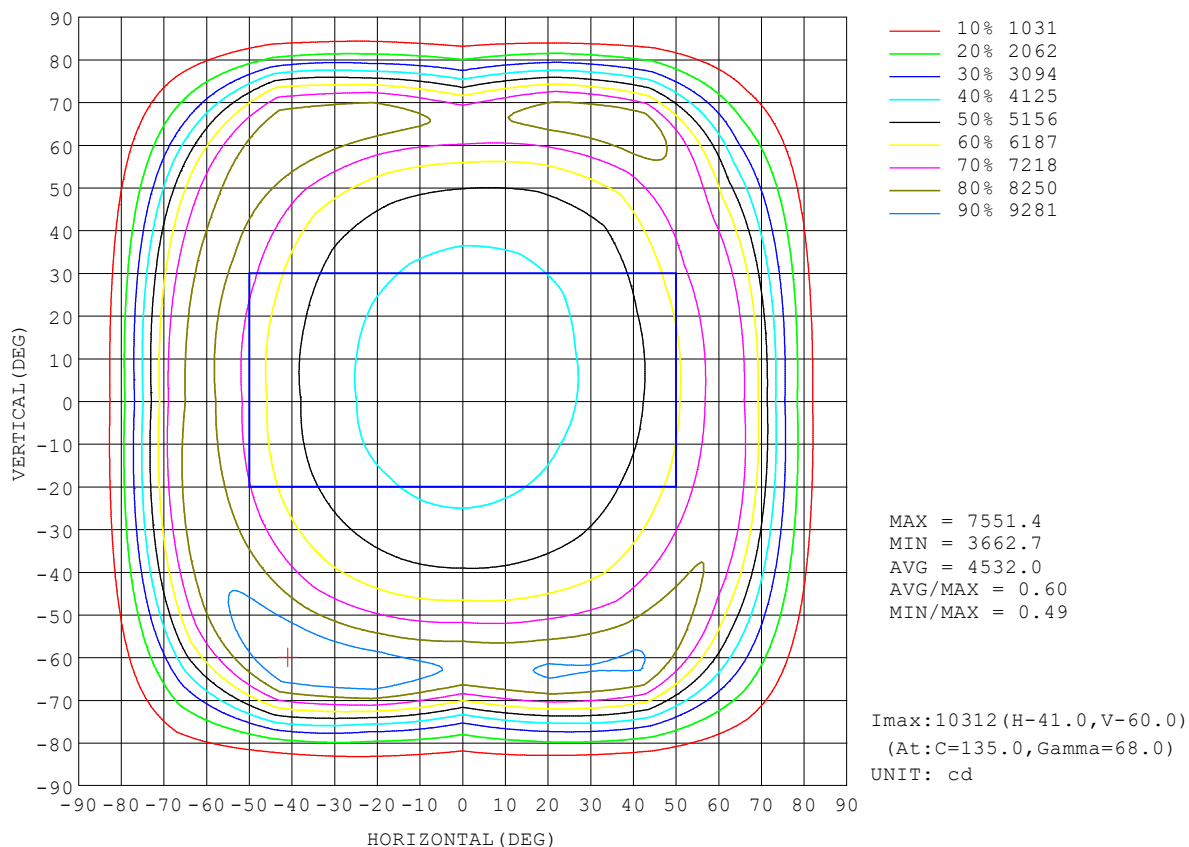
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	375.3	376.8	376.2	375.1	373.8	368.6	366.4	369.4	0- 10	353.9	353.9	1.11,1.11
20	392.7	396.6	395.6	395.8	394.1	379.3	372.2	378.3	10- 20	1077	1431	4.49,4.48
30	427.4	436.9	437.9	442.2	442.8	409.2	389.4	398.7	20- 30	1872	3303	10.4,10.3
40	494.6	508.3	525.6	525.8	540.3	469.3	430.9	437.6	30- 40	2862	6165	19.4,19.3
50	605.5	615.0	683.9	654.8	692.3	564.9	518.6	506.8	40- 50	4218	10383	32.6,32.5
60	764.9	799.6	899.5	883.4	845.7	751.4	717.2	659.8	50- 60	6265	16648	52.3,52.1
70	584.6	932.2	625.9	1009	672.3	917.2	694.5	906.0	60- 70	8330	24978	78.4,78.2
80	158.9	309.0	146.0	361.3	174.5	457.7	205.7	368.7	70- 80	5830	30807	96.7,96.5
90	0	0	0	0	0	0	0	0	80- 90	1048	31856	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	31856	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	31856	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	31856	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	31856	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	31856	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	31856	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	31856	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	31856	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	31856	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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

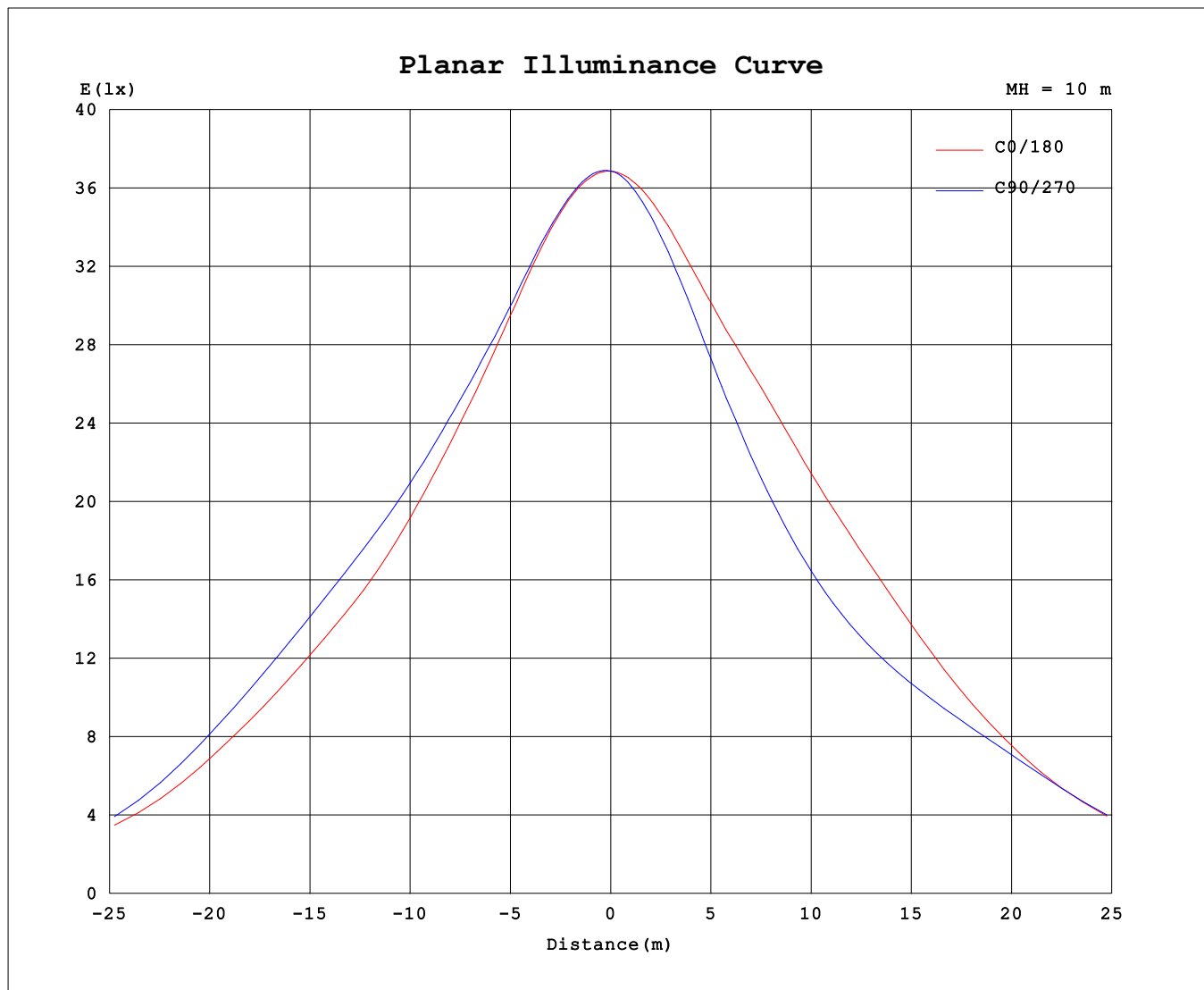
Test:U:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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



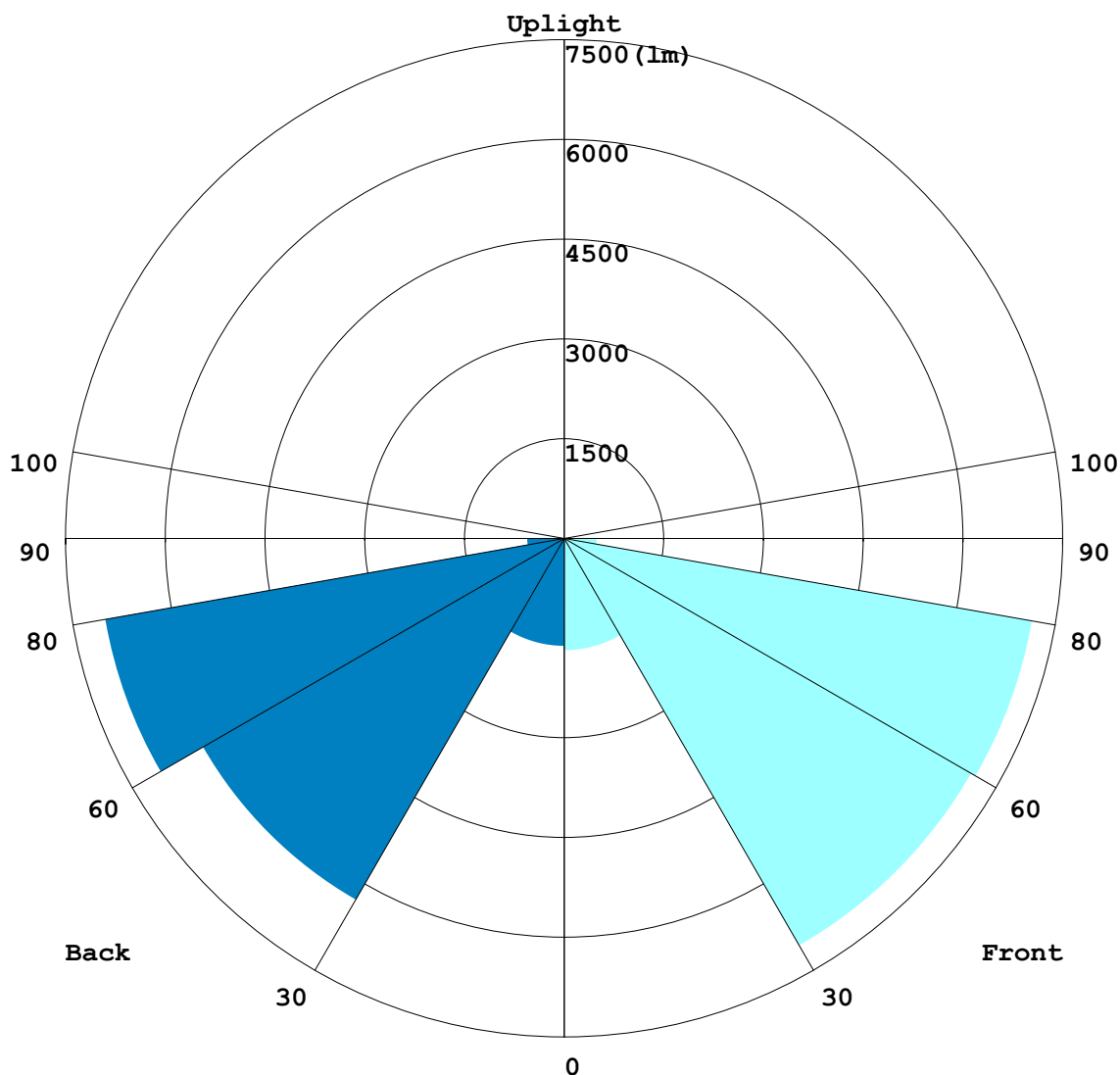
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 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)	1683.8	5.3
FM - Front-Medium(30-60)	7072.3	22.2
FH - Front-High(60-80)	7148.2	22.4
FVH - Front-Very High(80-90)	489.66	1.5
Total Forward Light	16394	51.5

BL - Back-Low(0-30)	1618.9	5.1
BM - Back-Medium(30-60)	6272.5	19.7
BH - Back-High(60-80)	7011.6	22.0
BVH - Back-Very High(80-90)	558.79	1.8
Total Back Light	15462	48.5

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15462	0	15462
Street Side	16394	0	16394

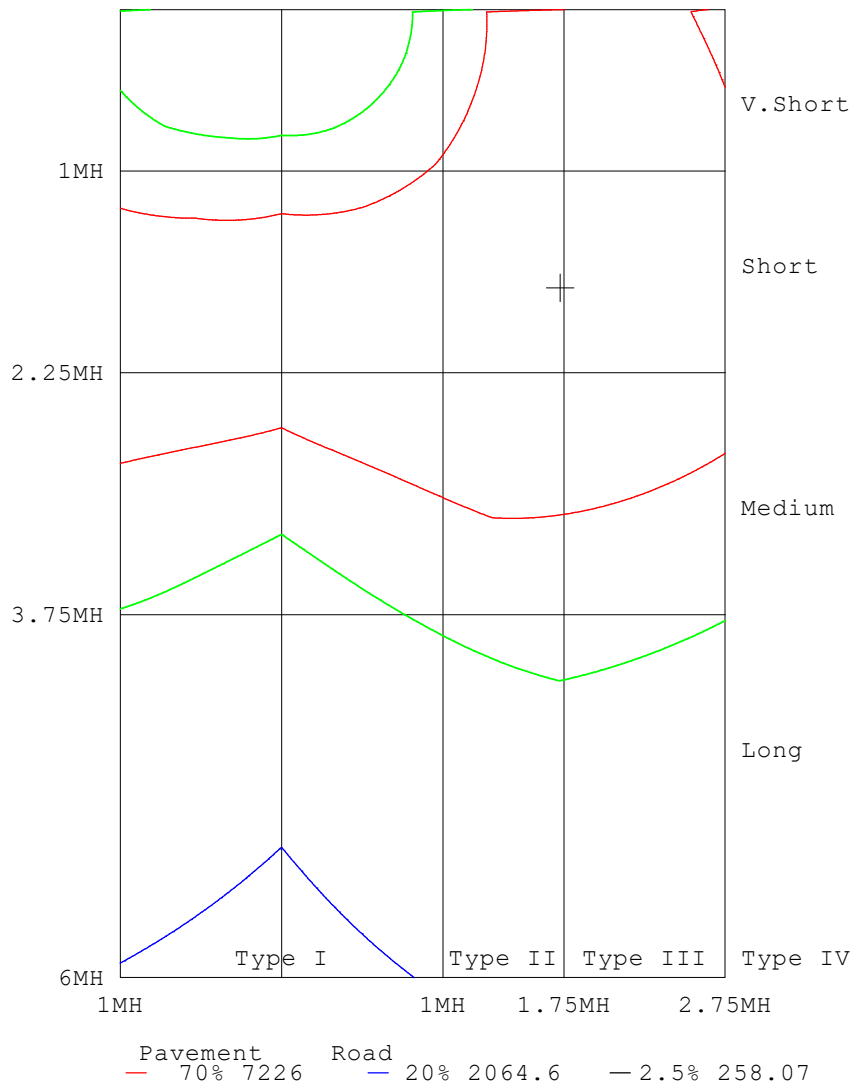
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9479A P:231.34W PF:0.9998 Freq:60.01Hz Lamp Flux:31928x1 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	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369			
5	371	371	372	372	372	371	371	370	370	369	368	367	367	368	369	370			
10	375	377	377	376	376	375	375	374	374	372	369	367	366	367	369	374			
15	382	385	385	384	384	383	383	381	382	378	372	369	368	369	373	380			
20	393	397	397	396	396	395	396	393	394	388	379	374	372	373	378	387			
25	407	413	414	414	412	412	414	412	414	404	391	383	379	380	387	400			
30	427	436	437	438	438	438	442	440	443	429	409	396	389	391	399	417			
35	456	467	469	473	475	475	479	479	486	464	435	416	406	406	415	441			
40	495	507	508	518	526	523	526	530	540	509	469	443	431	427	438	474			
45	543	556	555	575	593	584	582	590	607	565	510	479	466	456	467	515			
50	605	617	615	653	684	668	655	668	692	641	565	532	519	499	507	572			
55	691	699	696	756	798	782	755	763	784	733	645	611	601	568	569	656			
60	765	786	800	872	900	911	883	857	846	820	751	724	717	678	660	749			
65	745	823	909	938	878	994	1005	909	825	853	866	847	807	817	795	776			
70	585	704	932	827	626	884	1009	847	672	784	917	864	695	861	906	651			
75	331	484	683	507	325	533	765	659	405	606	794	637	433	649	745	436			
80	159	253	309	229	146	223	361	344	175	301	458	305	206	319	369	216			
85	48.3	72.9	76.2	60.7	48.8	74.3	83.4	107	53.5	89.5	119	95.3	57.5	79.7	97.9	55.8			
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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: