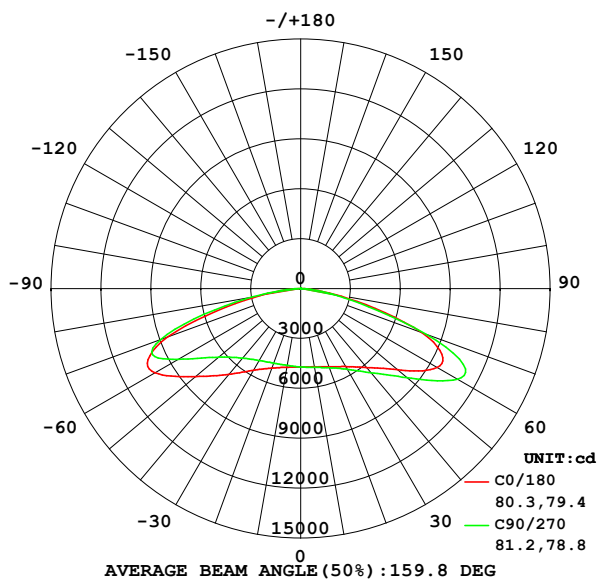
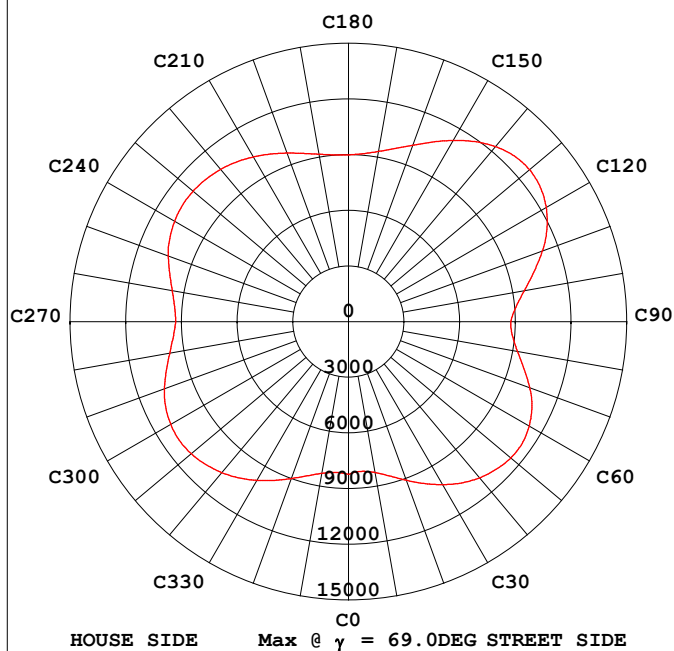


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.62 lm/W			
MODEL	AL-300WS-3CS-T5	I <sub>max</sub> (cd)	12641	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	51.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	39902	η house_up (%)	0.0
NOMINAL FLUX (lm)	39993.2	MAXIMUM @ (C, γ )	135,69.0	η house_down (%)	48.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	

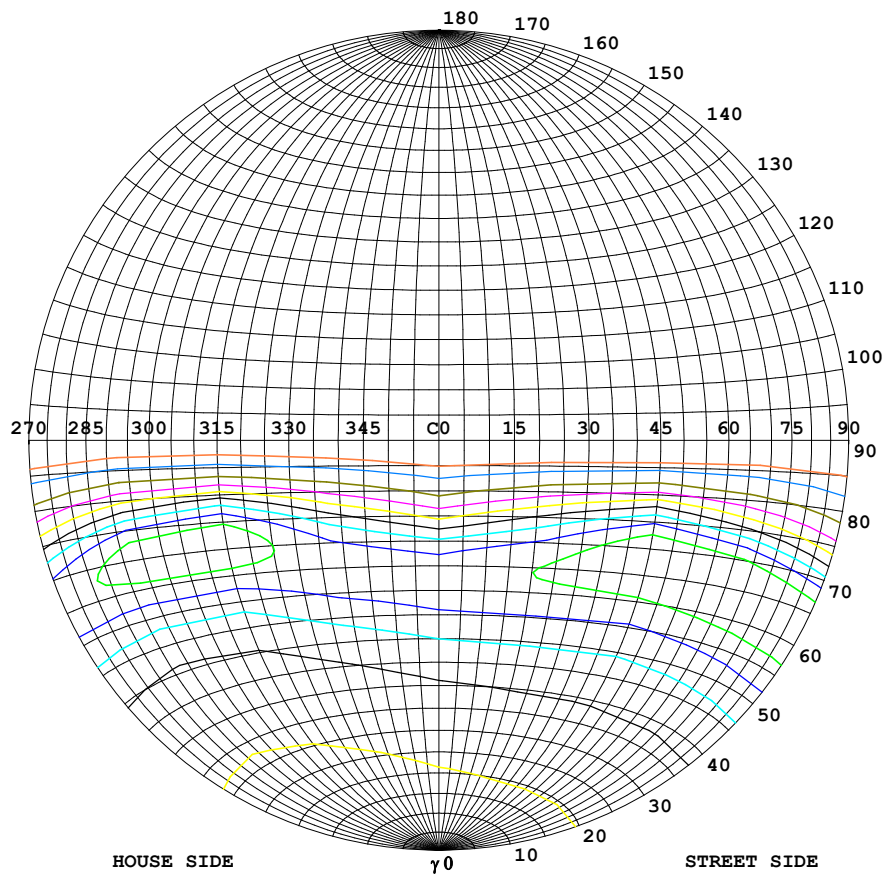
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



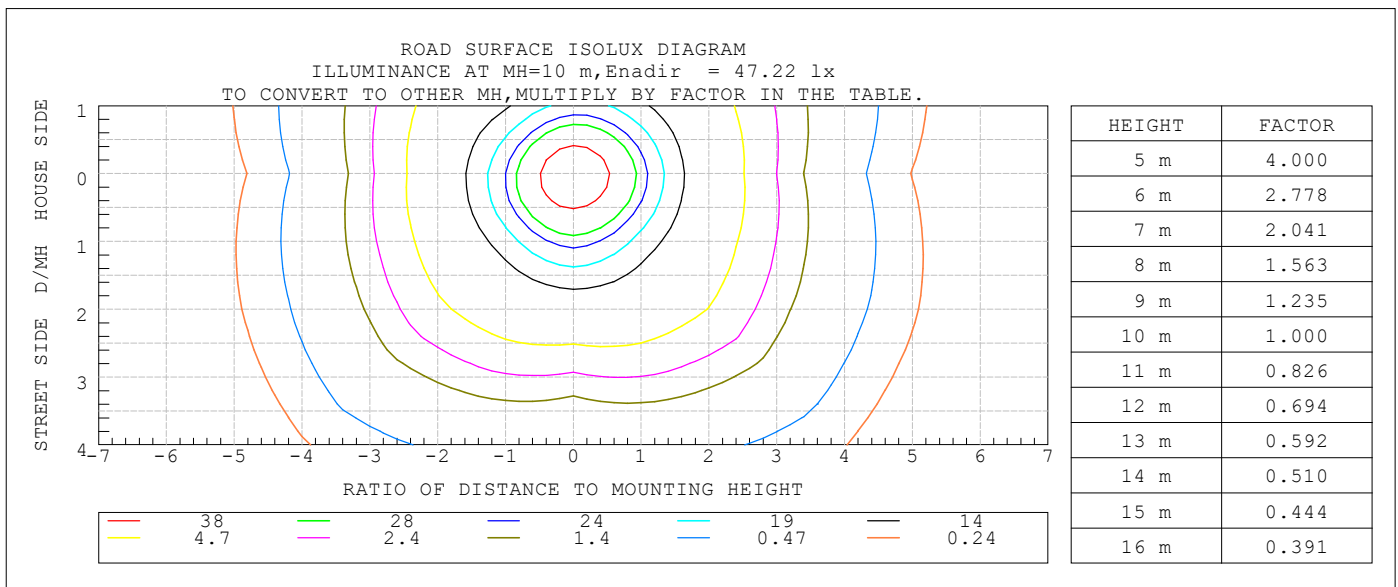
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:157.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:157.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		12641
90%		11377
80%		10113
70%		8849
60%		7585
50%		6321
40%		5057
30%		3792
20%		2528
10%		1264
5%		632

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

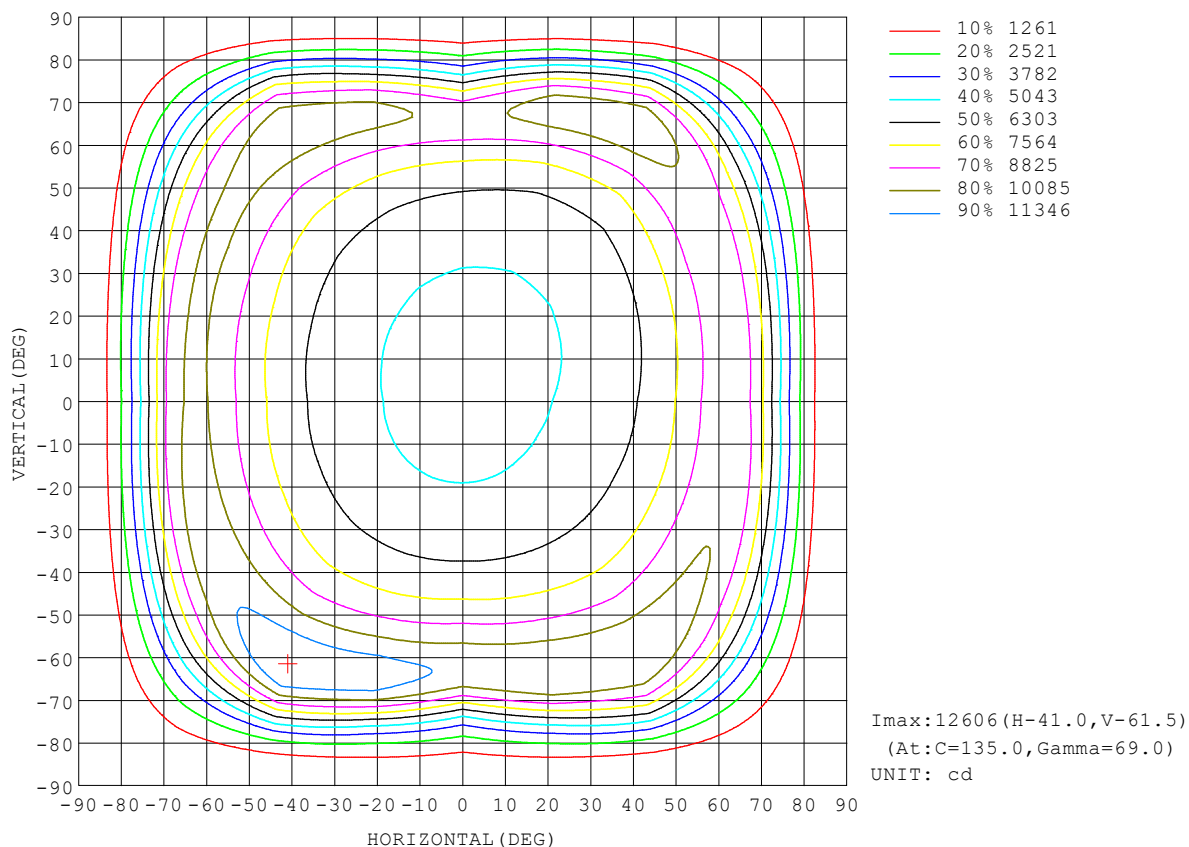
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	478.4	481.5	481.4	481.9	480.7	474.4	469.1	471.7	0- 10	453.0	453.0	1.14,1.13
20	500.5	508.5	507.4	508.8	509.1	491.5	477.6	482.1	10- 20	1382	1835	4.6,4.59
30	541.6	559.3	560.8	563.9	567.8	529.2	499.8	505.0	20- 30	2400	4234	10.6,10.6
40	620.4	642.7	660.8	656.6	673.6	597.0	546.5	548.7	30- 40	3631	7865	19.7,19.7
50	759.4	771.4	834.4	791.6	823.8	702.1	642.3	627.5	40- 50	5244	13109	32.9,32.8
60	948.4	991.1	1089	1036	1012	888.0	850.8	810.9	50- 60	7607	20716	51.9,51.8
70	775.0	1110	796.9	1258	853.0	1096	895.4	1105	60- 70	10126	30843	77.3,77.1
80	214.0	422.6	194.4	463.6	248.6	628.7	298.1	570.0	70- 80	7571	38414	96.3,96.1
90	0	0	0	0	0	0	0	0	80- 90	1488	39902	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	39902	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	39902	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	39902	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	39902	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	39902	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	39902	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	39902	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	39902	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	39902	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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

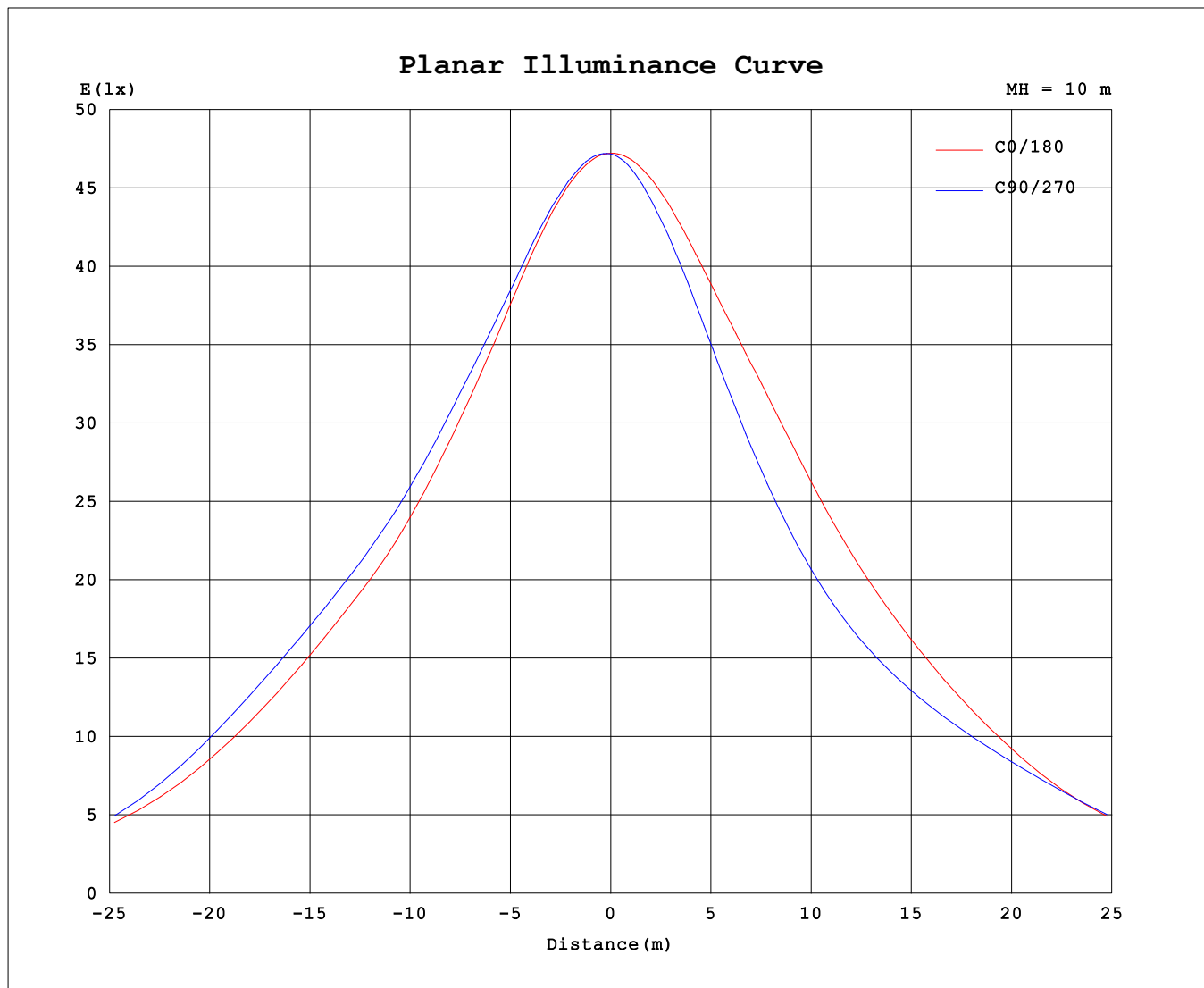
Test:U:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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



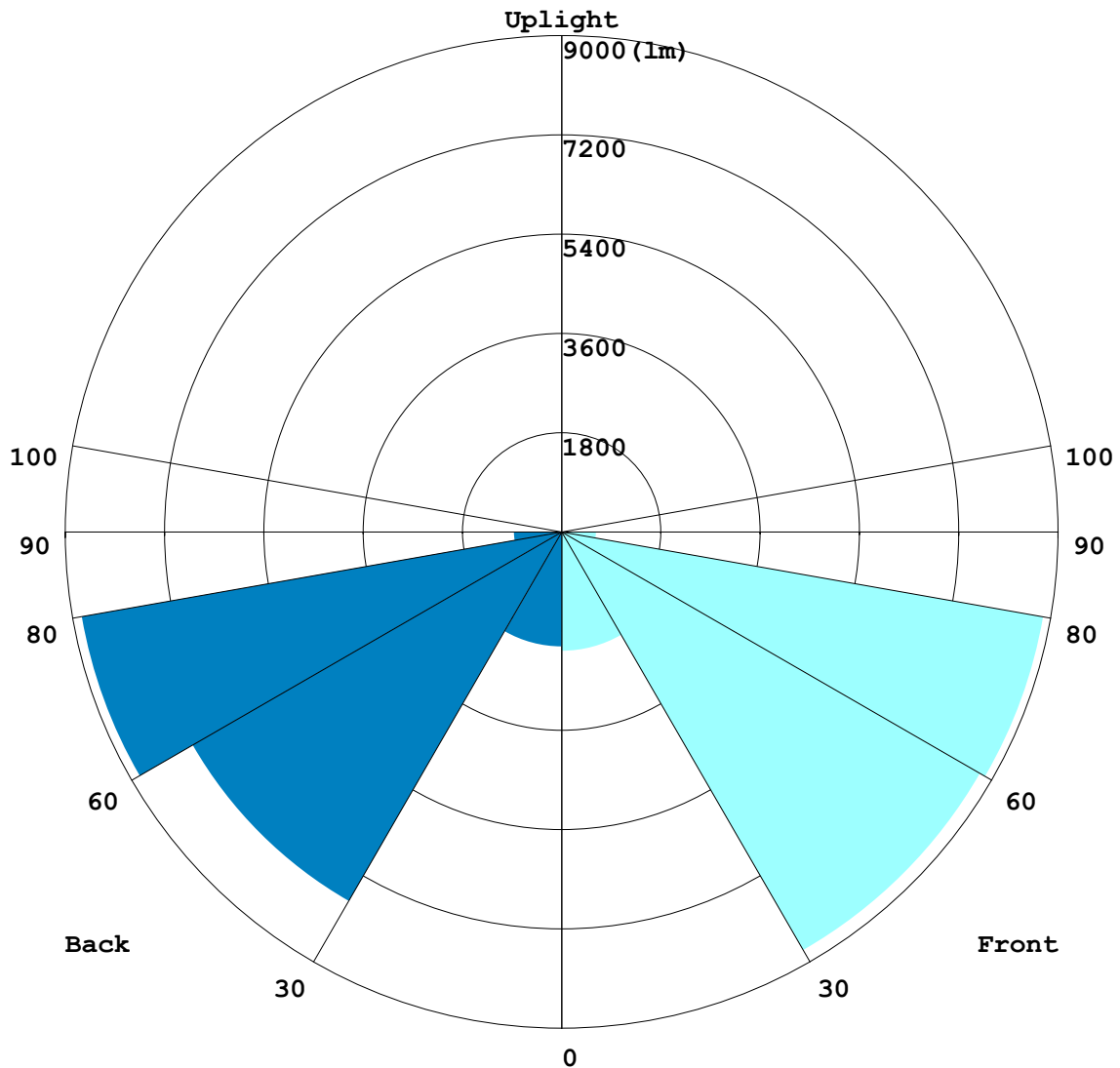
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.8 °C  
 Operators: DAMIN  
 Test Date: 2024-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 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)	2158.2	5.4
FM - Front-Medium(30-60)	8757.4	21.9
FH - Front-High(60-80)	8861.4	22.2
FVH - Front-Very High(80-90)	621.01	1.6
Total Forward Light	20398	51.1

BL - Back-Low(0-30)	2075.9	5.2
BM - Back-Medium(30-60)	7724.8	19.4
BH - Back-High(60-80)	8836	22.1
BVH - Back-Very High(80-90)	867.29	2.2
Total Back Light	19504	48.9

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-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19504	0	19504
Street Side	20398	0	20398

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

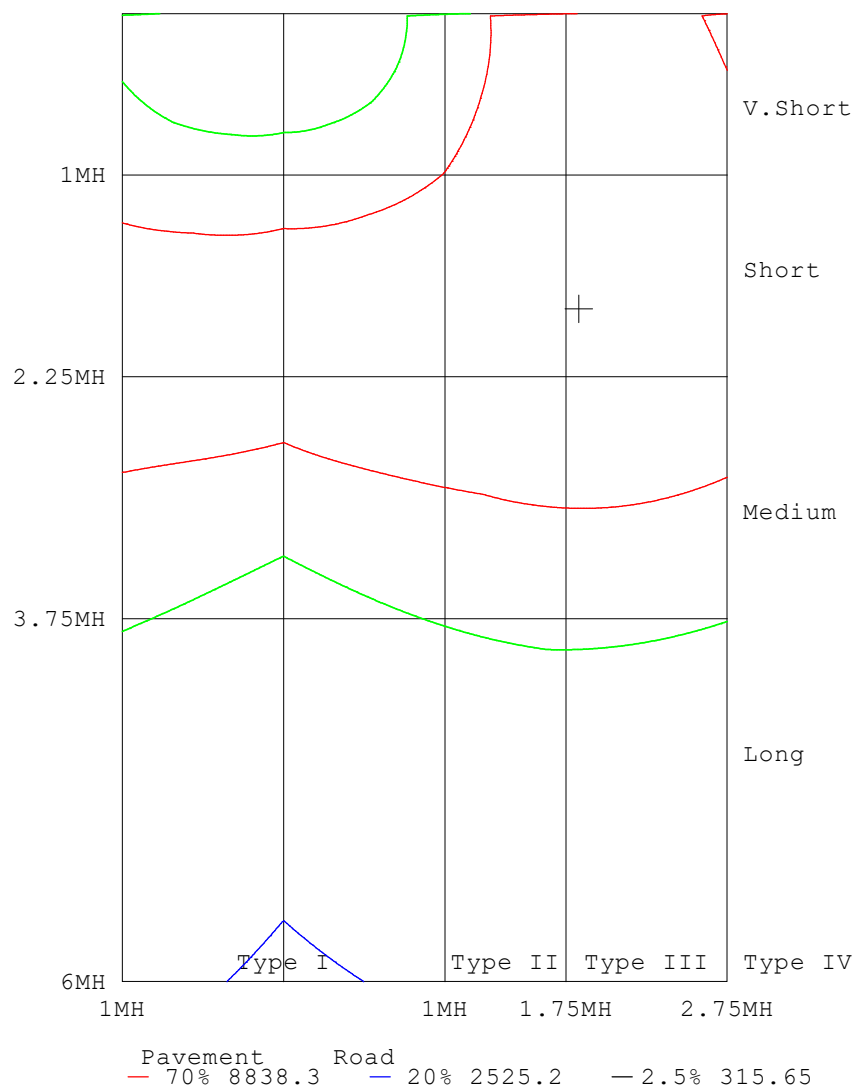
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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:118.67V I:2.3255A P:275.91W PF:0.9998 Freq:60.01Hz Lamp Flux:39993.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlight 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	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472			
5	473	474	475	475	475	475	475	475	474	473	472	470	470	470	471	472			
10	478	481	482	482	481	482	482	482	481	478	474	471	469	470	472	475			
15	488	491	492	492	492	492	492	493	492	487	481	475	472	472	475	482			
20	501	506	508	508	507	507	509	510	509	502	492	483	478	477	482	491			
25	518	527	531	530	529	529	532	535	533	522	508	494	487	486	492	504			
30	542	554	559	561	561	560	564	569	568	551	529	511	500	497	505	522			
35	576	591	597	601	604	602	605	615	615	590	559	534	519	514	524	549			
40	620	638	643	652	661	656	657	672	674	641	597	565	546	537	549	583			
45	678	696	698	717	734	722	716	738	742	701	643	606	585	569	581	629			
50	759	774	771	806	834	813	792	818	824	775	702	664	642	617	627	695			
55	864	877	870	924	963	938	896	916	922	867	784	747	730	694	699	794			
60	948	976	991	1055	1089	1092	1036	1025	1012	968	888	862	851	814	811	905			
65	936	1014	1101	1133	1079	1204	1194	1095	1013	1031	1010	992	969	976	969	967			
70	775	903	1110	1023	797	1102	1258	1006	853	957	1096	1044	895	1077	1105	897			
75	465	660	864	651	424	687	983	755	530	757	990	828	601	892	992	684			
80	214	326	423	299	194	300	464	392	249	439	629	440	298	474	570	359			
85	59.4	86.3	96.1	87.8	61.1	88.6	107	111	79.8	144	185	139	87.5	139	147	113			
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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

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: