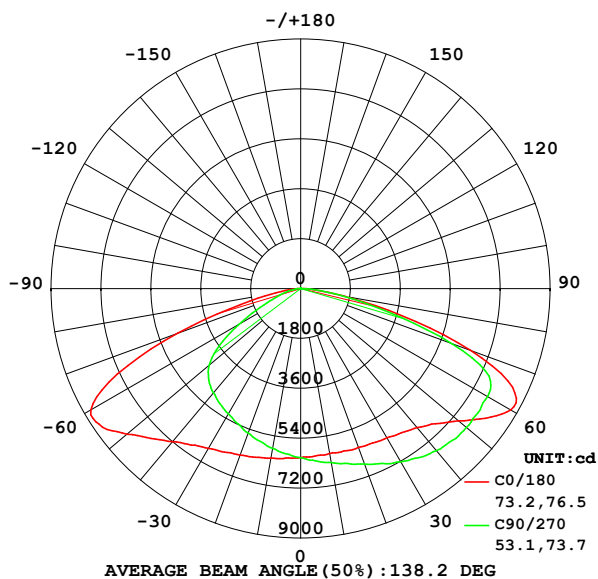
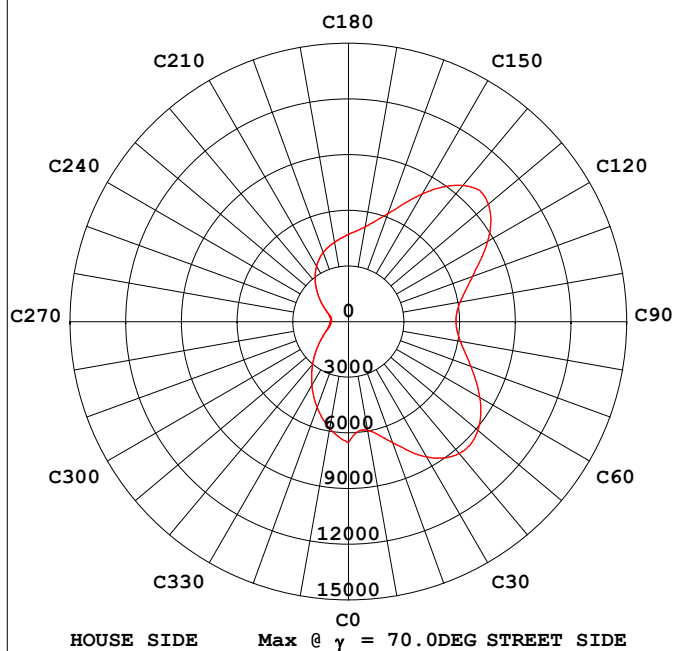


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.48 lm/W			
MODEL	AL-300WS-3CS-T4	Imax (cd)	10004	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	$\eta$ street_down (%)	60.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	31038	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	31108.2	MAXIMUM @ (C, $\gamma$ )	135,70.0	$\eta$ house_down (%)	38.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	24.056

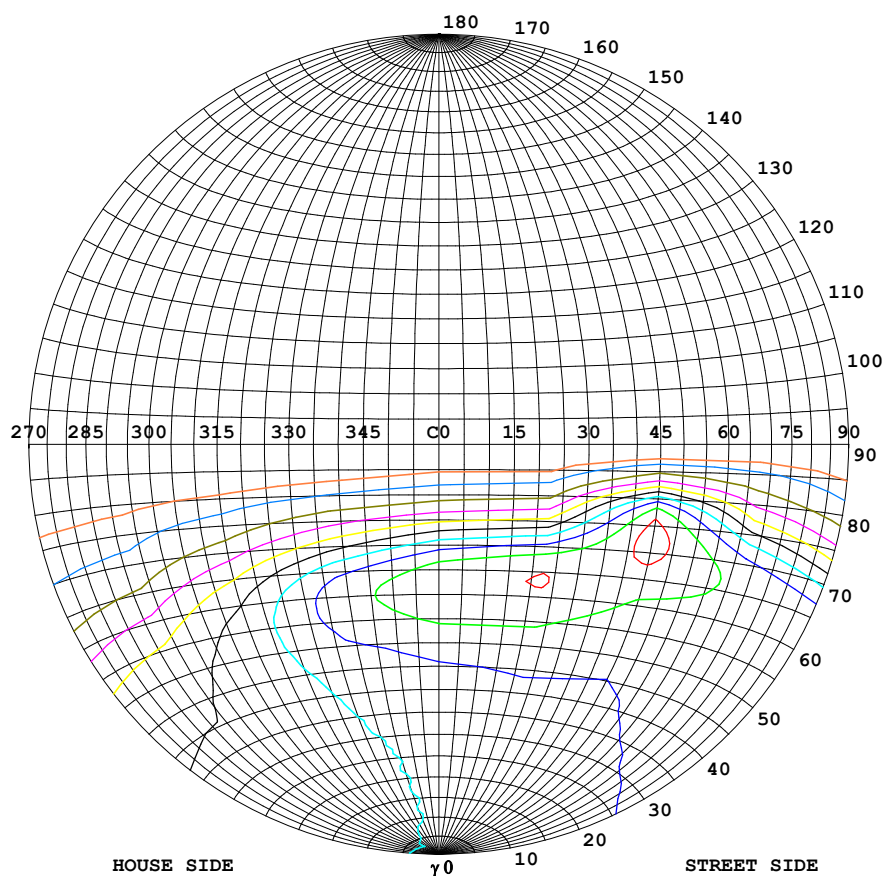
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



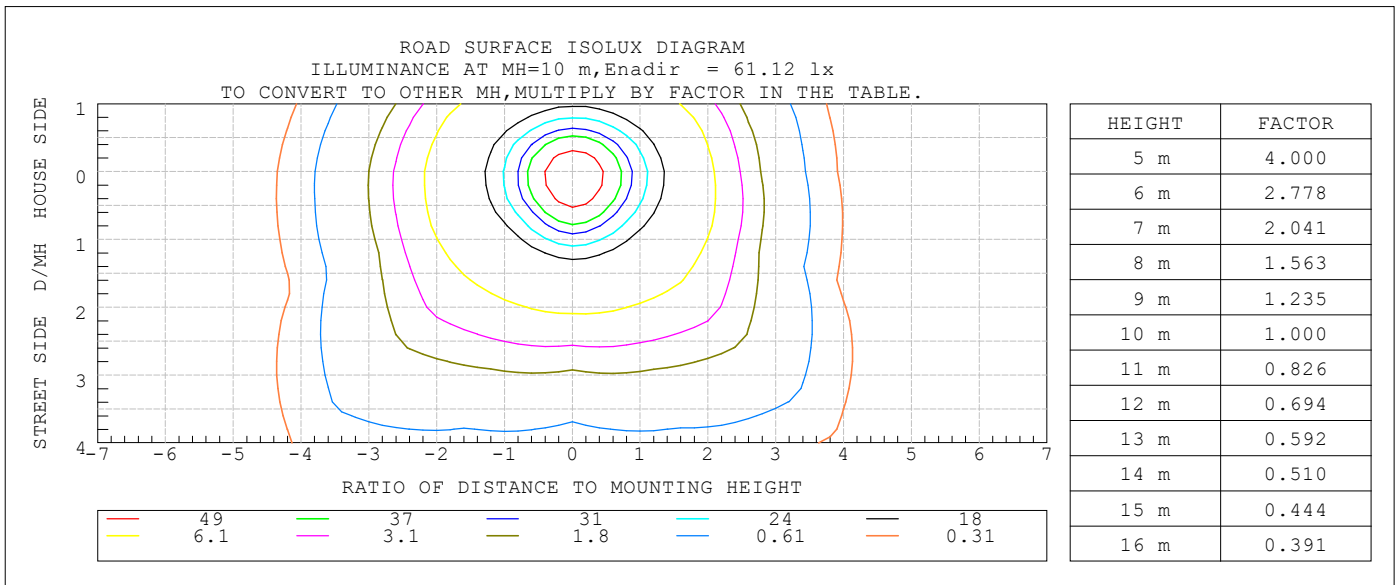
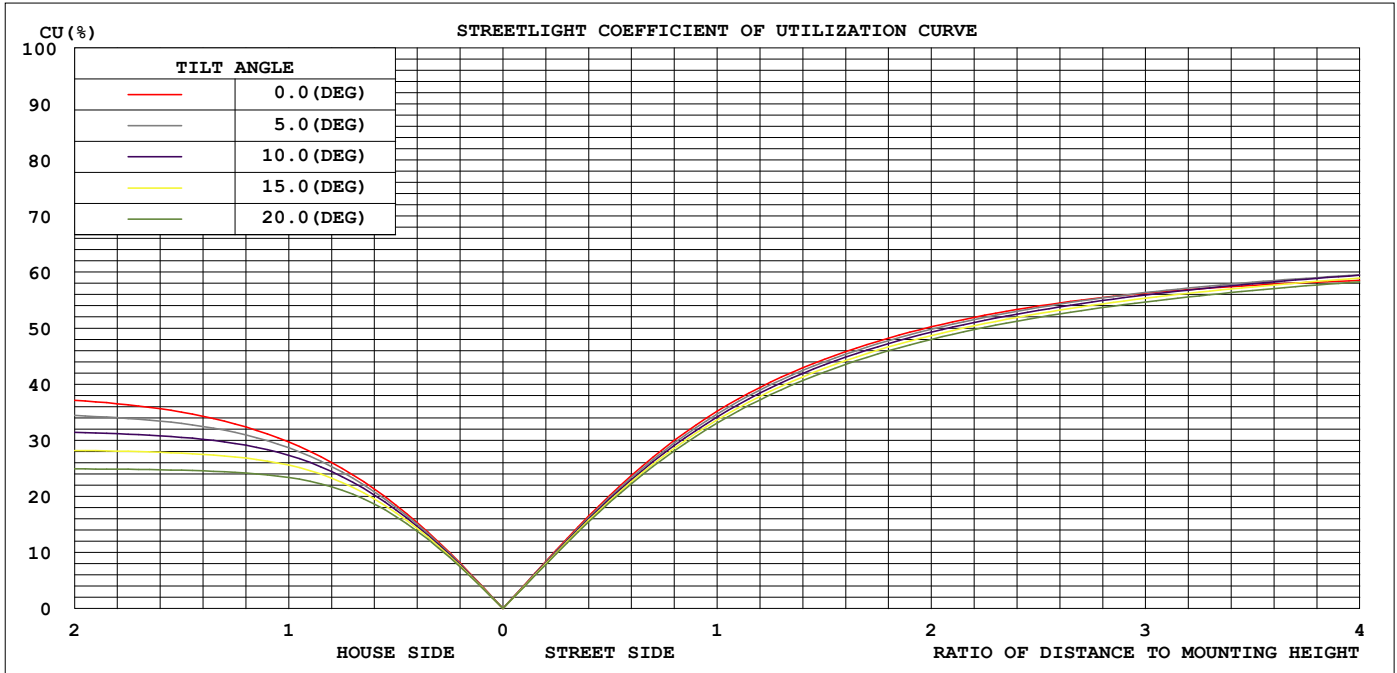
## Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:208.9cd/klm  
Max.At90:0cd/klm  
Max.80-90:208.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10004
90%	9004
80%	8003
70%	7003
60%	6002
50%	5002
40%	4002
30%	3001
20%	2001
10%	1000
5%	500

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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: 26.4 °C  
Operators: DAMIN  
Test Date: 2024-12-27

$\gamma$  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:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

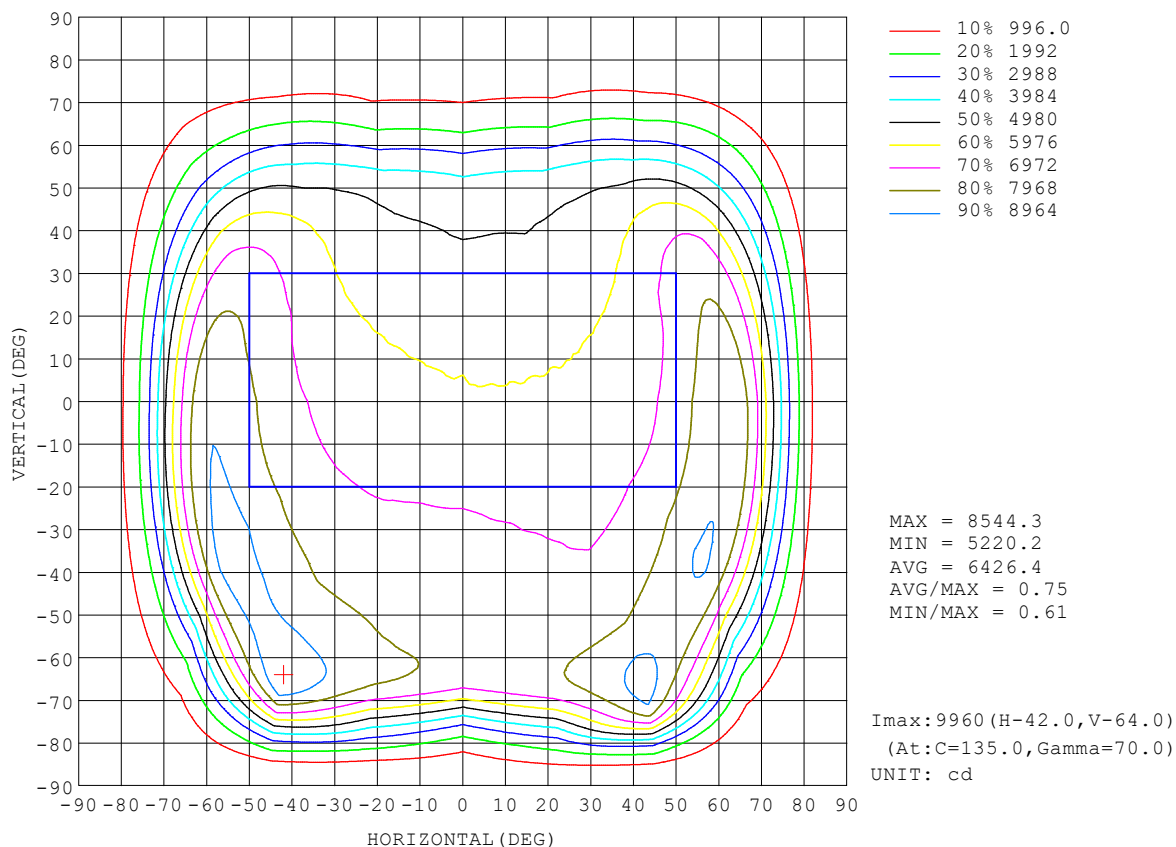
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	604.2	624.3	636.7	635.7	620.8	599.7	585.0	590.1	0- 10	583.3	583.3	1.88,1.87
20	610.0	644.4	673.5	666.7	639.4	589.5	554.6	572.1	10- 20	1744	2328	7.5,7.48
30	622.2	663.6	720.9	698.7	666.0	581.2	521.7	558.7	20- 30	2888	5215	16.8,16.8
40	655.2	684.0	762.5	735.1	721.3	581.9	490.8	552.8	30- 40	4014	9229	29.7,29.7
50	743.1	719.0	779.9	788.3	817.3	584.0	430.9	555.7	40- 50	5150	14379	46.3,46.2
60	874.7	788.3	778.9	863.8	873.5	486.1	256.9	501.0	50- 60	6176	20555	66.2,66.1
70	652.7	933.0	580.5	1000	471.9	243.7	99.09	260.0	60- 70	6152	26707	86,85.9
80	158.3	649.9	150.3	501.7	90.47	52.23	34.33	58.85	70- 80	3637	30344	97.8,97.5
90	0	0	0	0	0	0	0	0	80- 90	693.9	31038	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	31038	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	31038	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	31038	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	31038	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	31038	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	31038	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	31038	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	31038	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	31038	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

$\gamma$  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:

### ISOCANDELA DIAGRAM

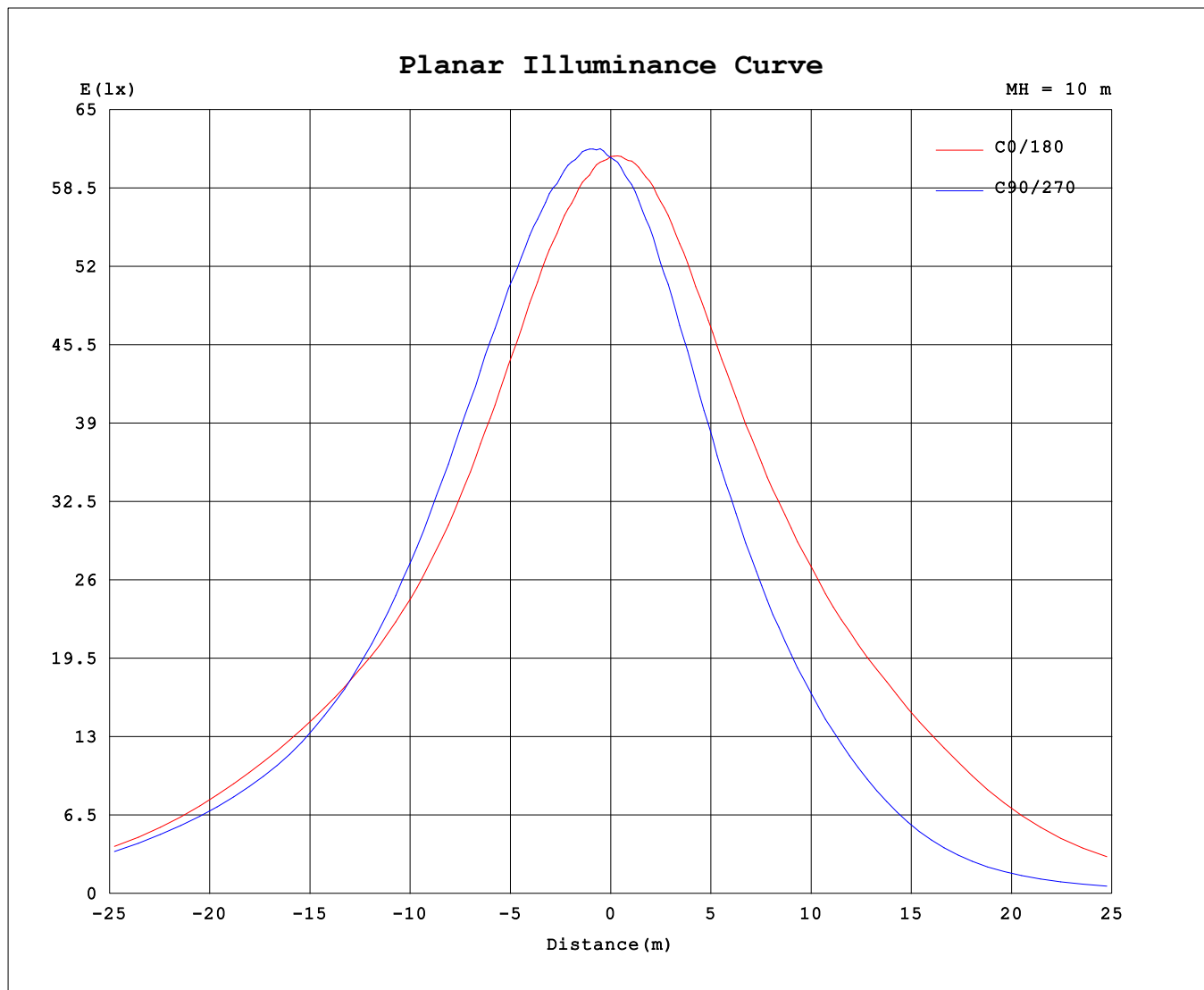
Test:U:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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



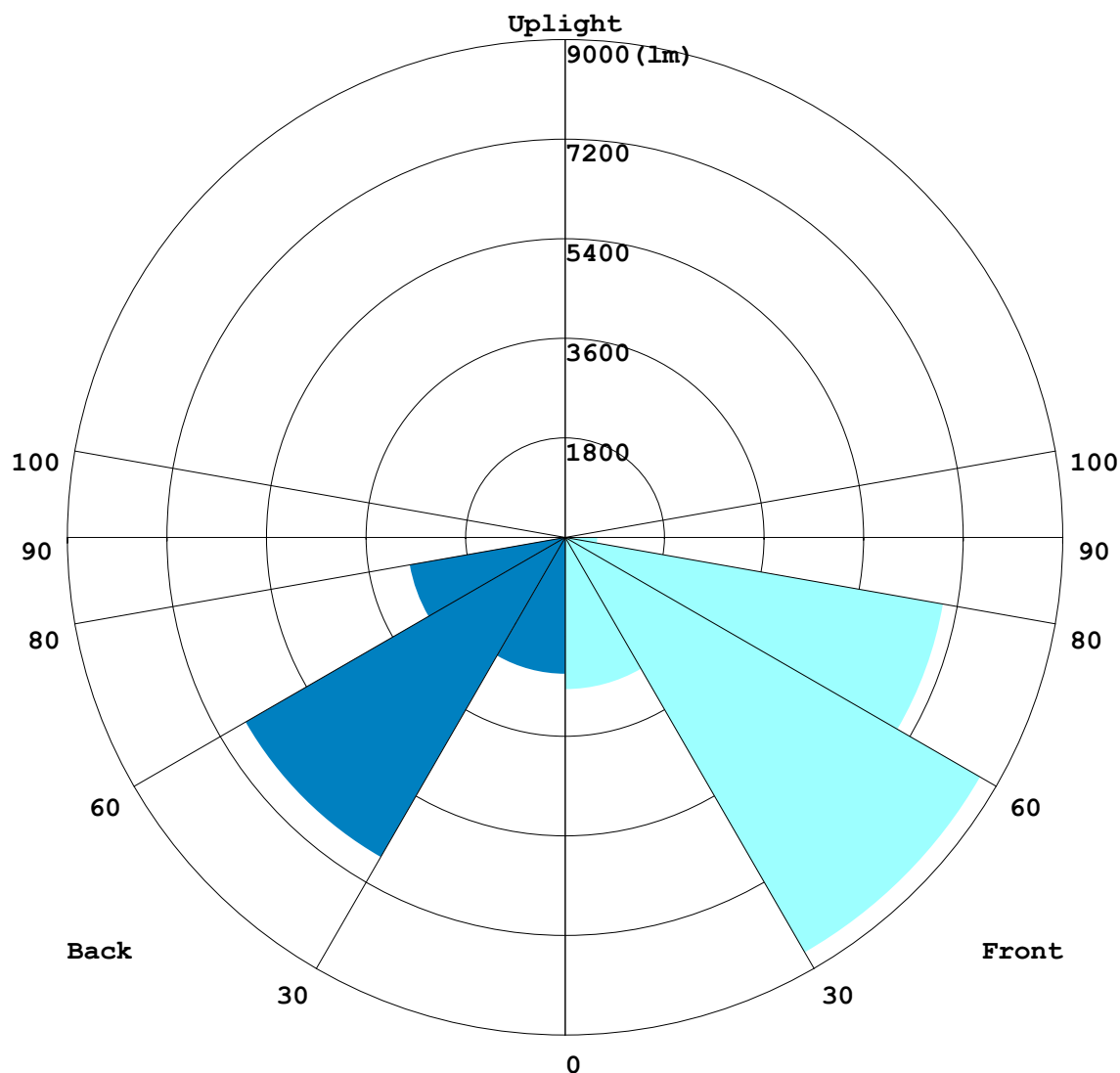
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 26.4℃  
 Operators:DAMIN  
 Test Date:2024-12-27

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:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 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)	2744.9	8.8
FM - Front-Medium(30-60)	8664.8	27.9
FH - Front-High(60-80)	6937.7	22.4
FVH - Front-Very High(80-90)	582.15	1.9
Total Forward Light	18930	61.0

BL - Back-Low(0-30)	2470.4	8.0
BM - Back-Medium(30-60)	6675	21.5
BH - Back-High(60-80)	2851.6	9.2
BVH - Back-Very High(80-90)	111.73	0.4
Total Back Light	12109	39.0

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	12109	0	12109
Street Side	18930	0	18930

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

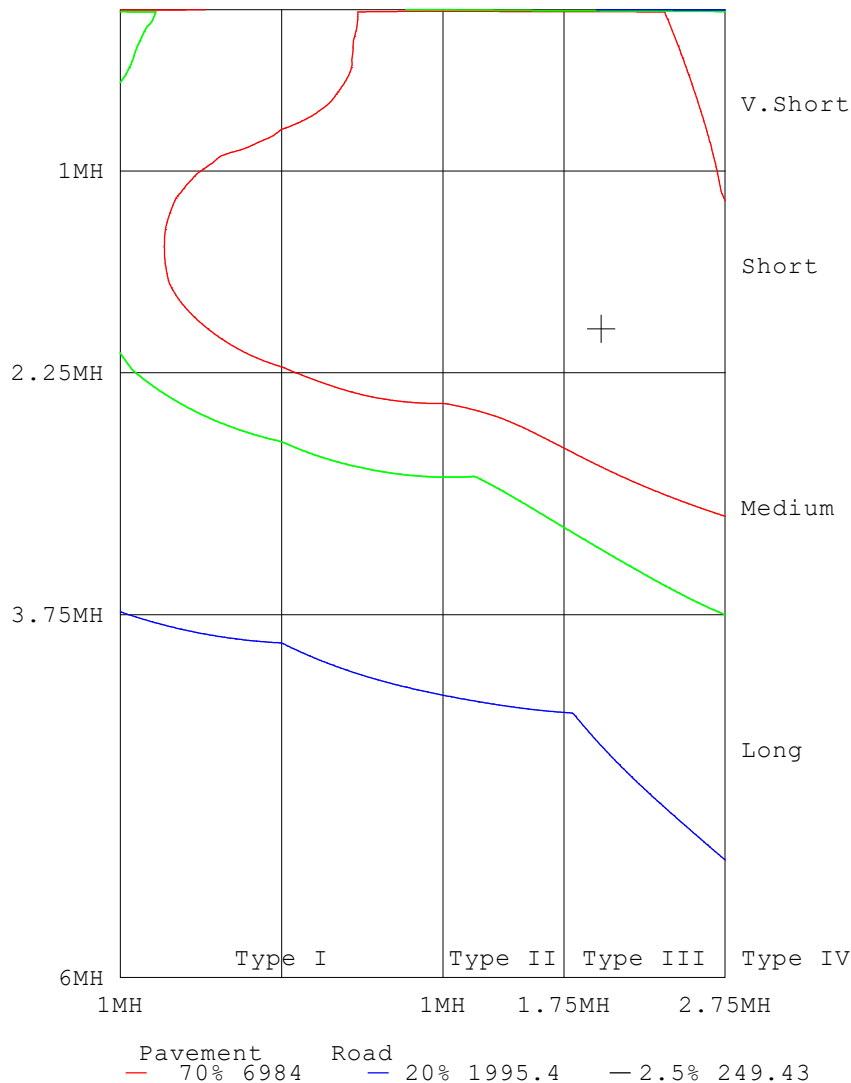
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 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: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

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:118.78V I:1.9880A P:236.07W PF:0.9997 Freq:60.01Hz Lamp Flux:31108.2x1 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	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610			
5	606	611	617	620	624	622	621	619	614	610	604	599	598	595	599	604			
10	604	615	624	632	637	636	636	632	621	611	600	588	585	585	590	599			
15	606	620	634	644	653	654	651	640	630	613	594	577	570	571	582	596			
20	610	626	644	659	674	671	667	654	639	617	589	564	555	558	572	595			
25	614	634	654	677	696	693	683	669	651	621	585	551	538	543	565	596			
30	622	644	664	695	721	714	699	686	666	631	581	537	522	530	559	599			
35	635	659	673	712	744	734	717	709	689	645	580	527	508	517	555	608			
40	655	679	684	728	762	750	735	739	721	668	582	515	491	503	553	624			
45	689	709	699	741	775	766	760	778	765	701	587	502	469	488	554	650			
50	743	753	719	751	780	779	788	829	817	733	584	474	431	464	556	691			
55	815	813	745	760	781	791	820	888	872	752	556	417	358	414	546	739			
60	875	881	788	770	779	805	864	937	873	719	486	319	257	325	501	757			
65	843	898	853	782	750	821	935	900	730	598	374	205	163	217	398	669			
70	653	728	933	729	580	744	1000	654	472	387	244	120	99.1	130	260	470			
75	379	430	932	521	331	517	886	333	226	209	129	68.4	60.3	74.2	142	269			
80	158	181	650	283	150	284	502	136	90.5	90.8	52.2	35.6	34.3	39.0	58.8	103			
85	42.9	43.8	183	114	46.9	86.0	151	40.5	19.7	16.2	12.6	10.9	13.0	13.7	11.9	18.9			
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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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: