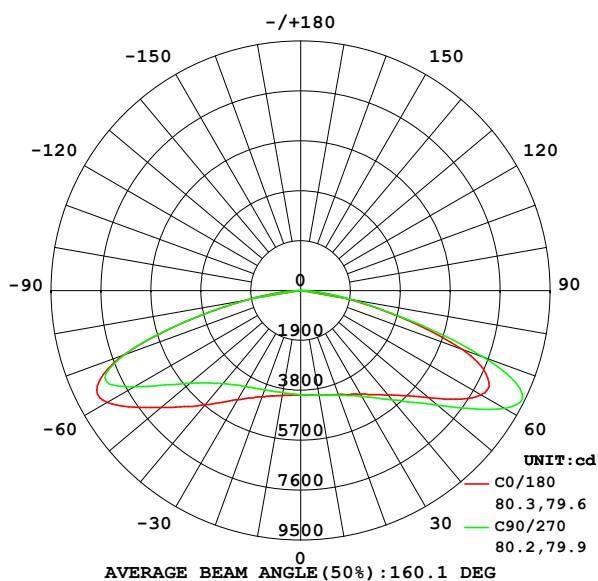
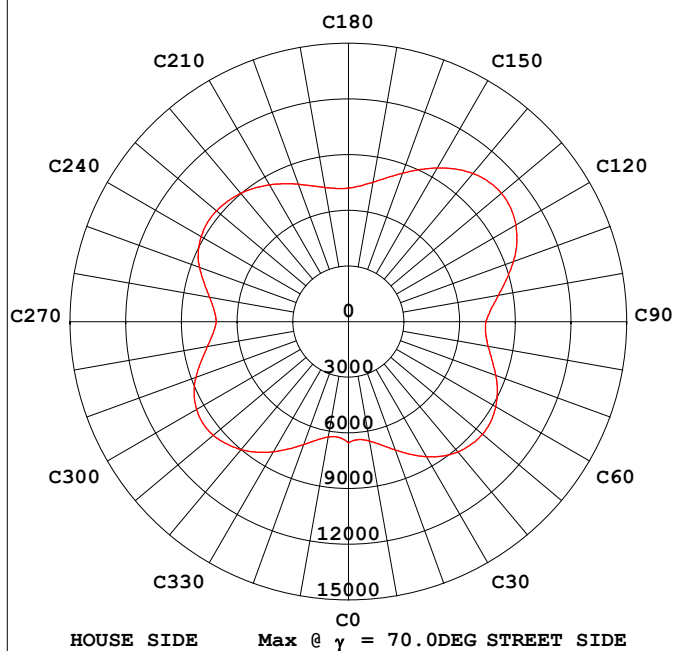


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.09 lm/W			
MODEL	AL-300WS-3CS-T5	I <sub>max</sub> (cd)	10680	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	51.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33591	η house_up (%)	0.0
NOMINAL FLUX (lm)	33670.4	MAXIMUM @ (C, γ )	135,70.0	η house_down (%)	48.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	

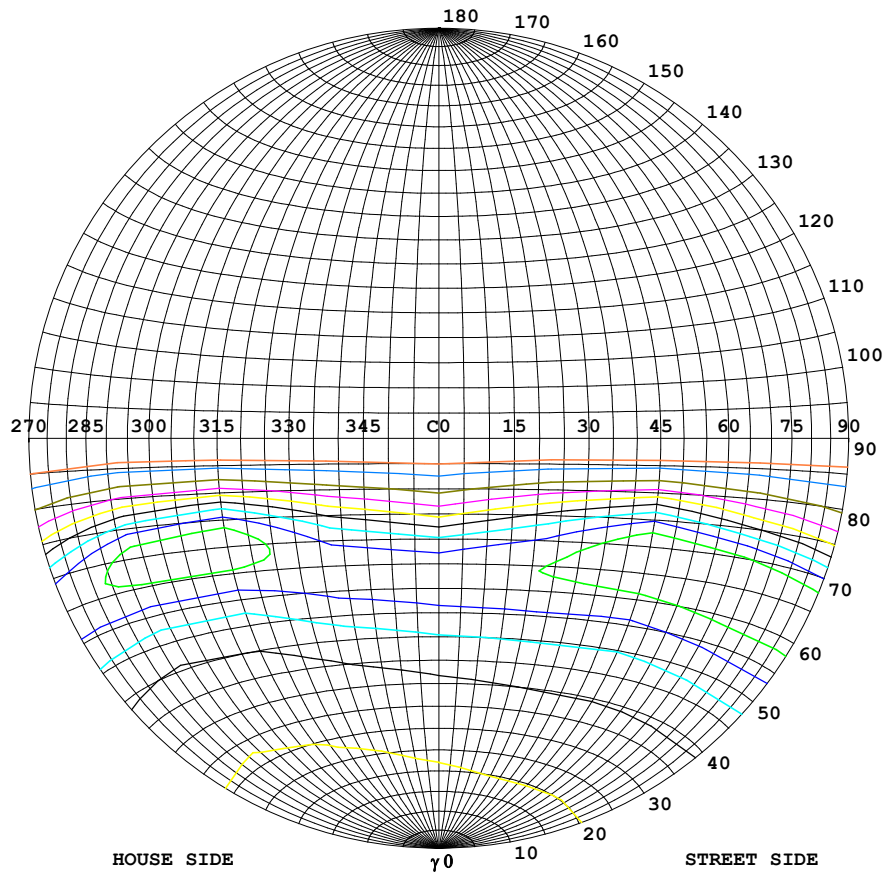
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.7℃  
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:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



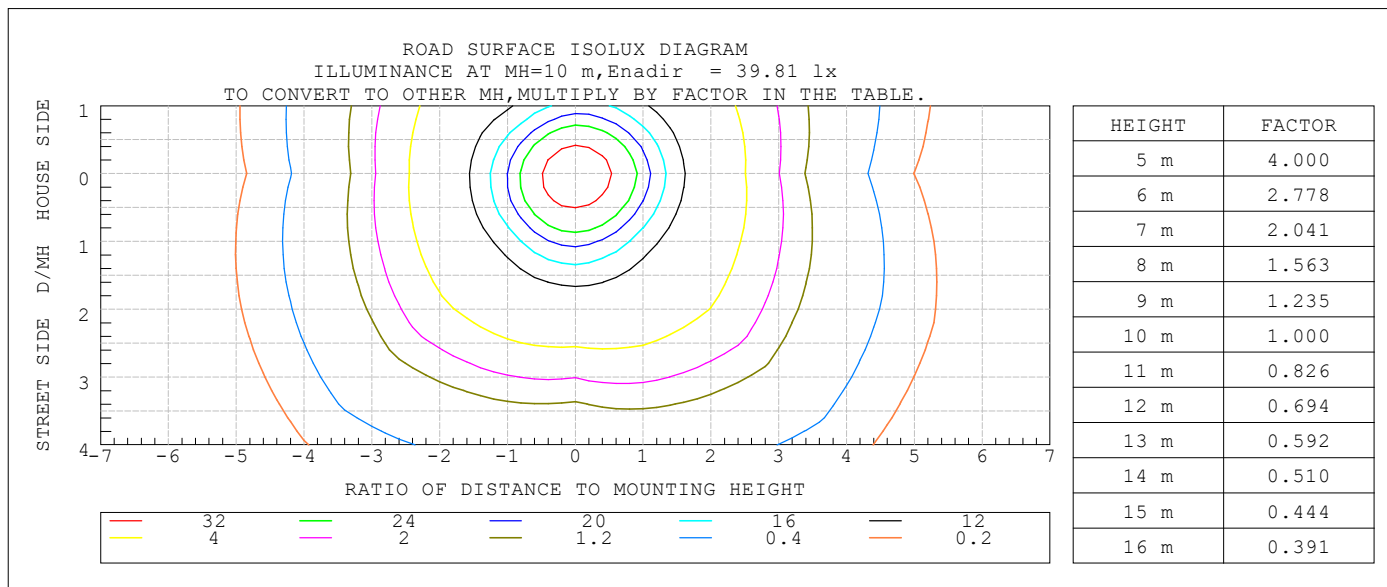
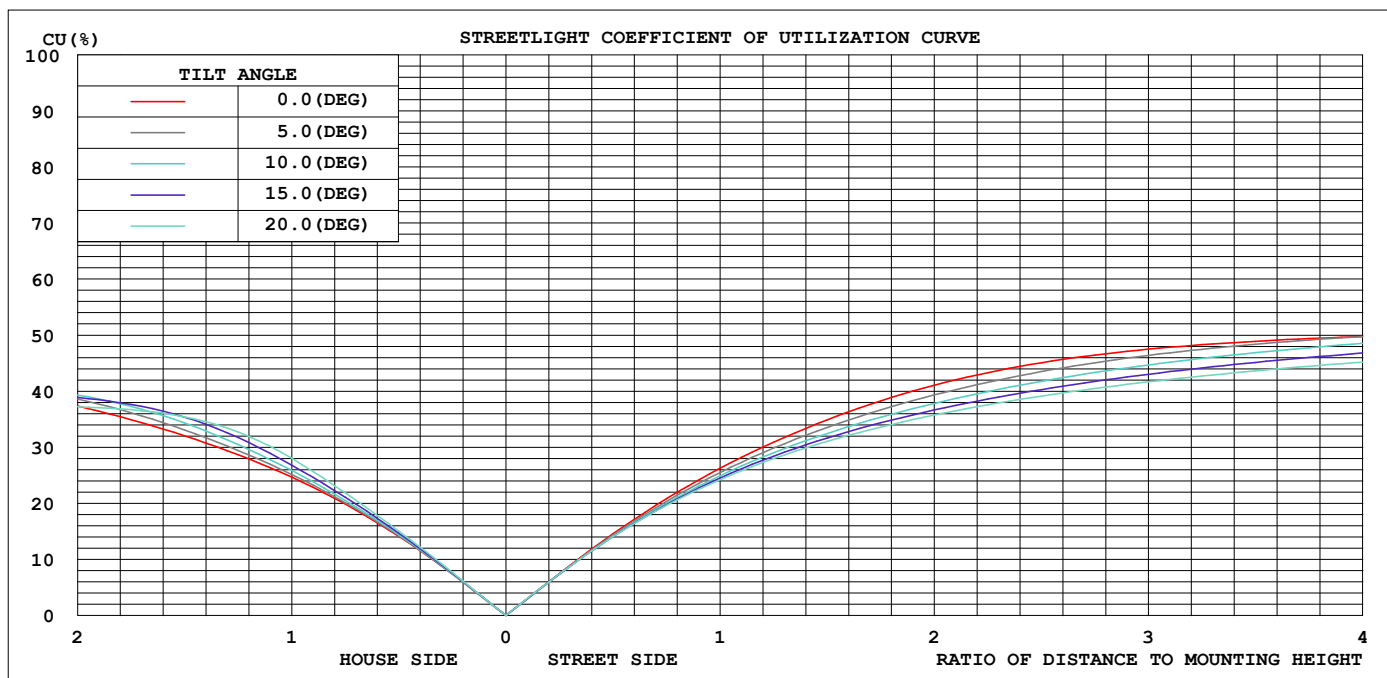
#### Classification:

IES:Type VS - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:158.1cd/klm  
Max.At90:0cd/klm  
Max.80-90:158.1cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		10680
90%		9612
80%		8544
70%		7476
60%		6408
50%		5340
40%		4272
30%		3204
20%		2136
10%		1068
5%		534

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.7°C  
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: 25.7°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:

### ZONAL FLUX DIAGRAM

Test:U:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

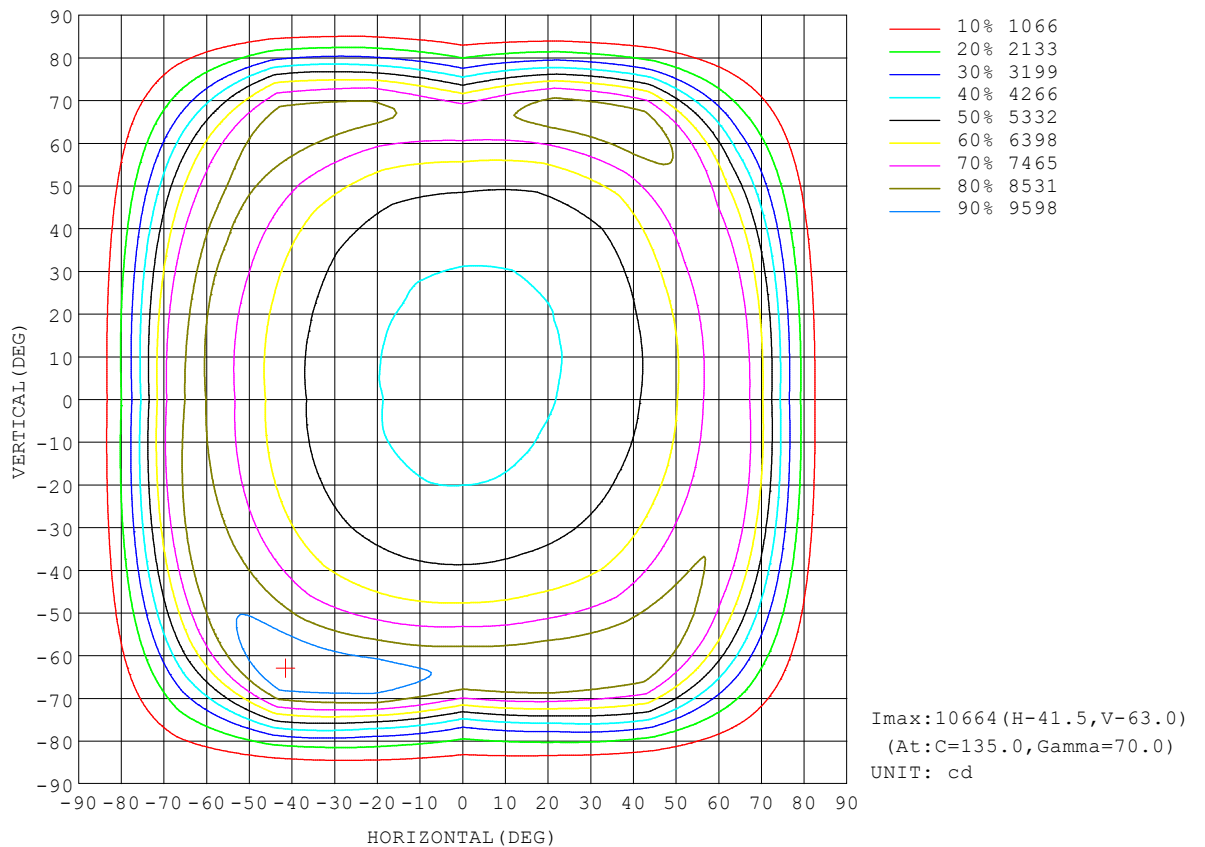
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	404.5	405.8	404.3	405.4	405.5	400.1	394.5	398.1	0- 10	381.8	381.8	1.14,1.13
20	421.3	428.2	425.0	426.3	429.6	414.7	402.4	407.8	10- 20	1164	1546	4.6,4.59
30	457.1	471.8	465.6	469.3	480.5	446.2	422.1	428.0	20- 30	2020	3566	10.6,10.6
40	519.7	538.7	544.0	544.4	566.7	503.4	463.8	466.1	30- 40	3048	6614	19.7,19.6
50	634.1	644.7	678.5	653.6	692.7	589.6	548.0	535.8	40- 50	4392	11005	32.8,32.7
60	793.8	828.6	896.4	843.9	850.9	746.2	731.2	699.2	50- 60	6365	17370	51.7,51.6
70	653.7	935.7	740.9	1068	720.1	919.4	713.0	930.5	60- 70	8531	25902	77.1,76.9
80	184.4	362.8	197.4	487.0	211.0	532.2	208.9	389.5	70- 80	6428	32330	96.2,96
90	0	0	0	0	0	0	0	0	80- 90	1262	33591	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	33591	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	33591	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	33591	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	33591	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	33591	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	33591	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	33591	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	33591	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	33591	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.7℃  
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

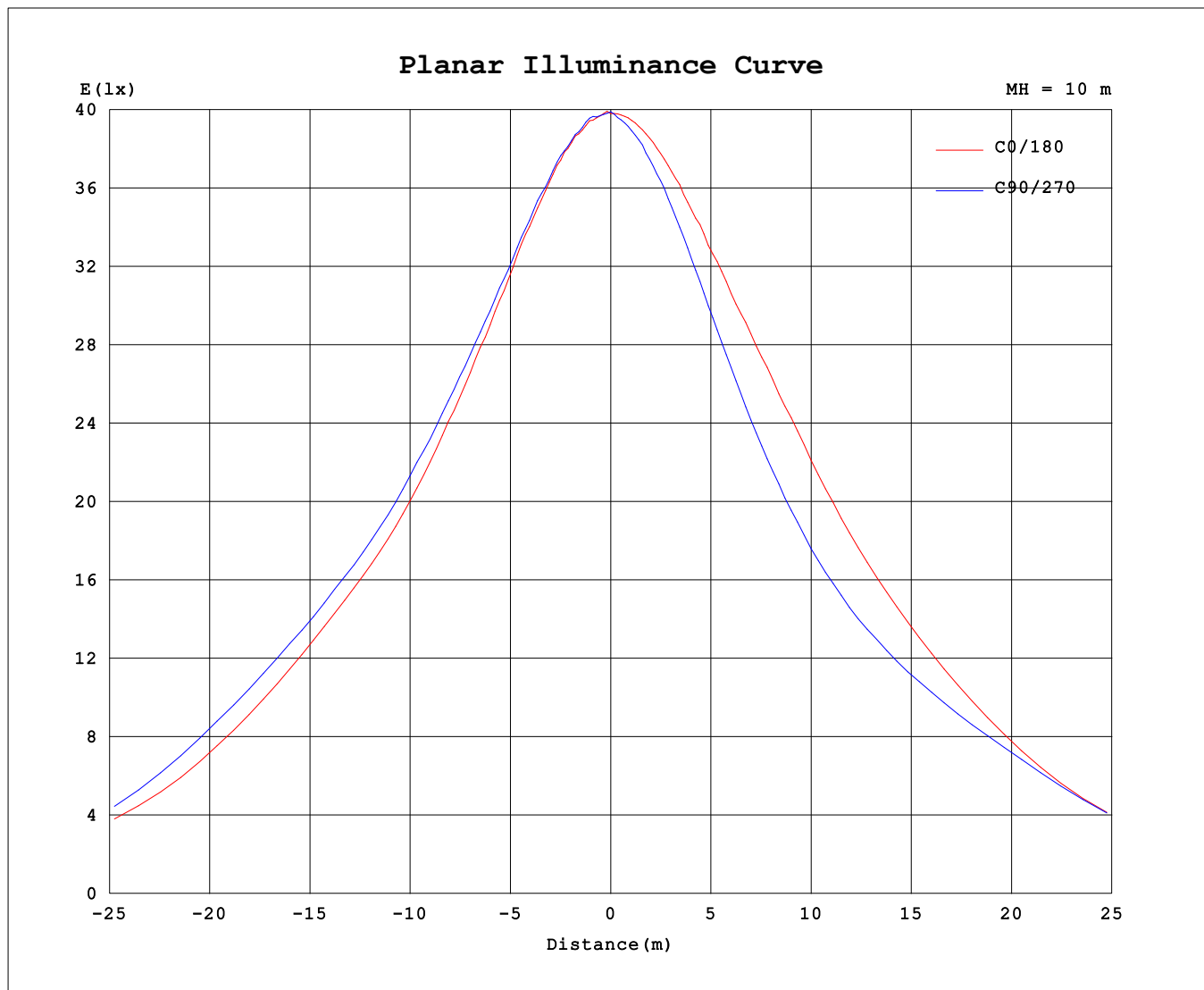
Test:U:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.7°C  
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



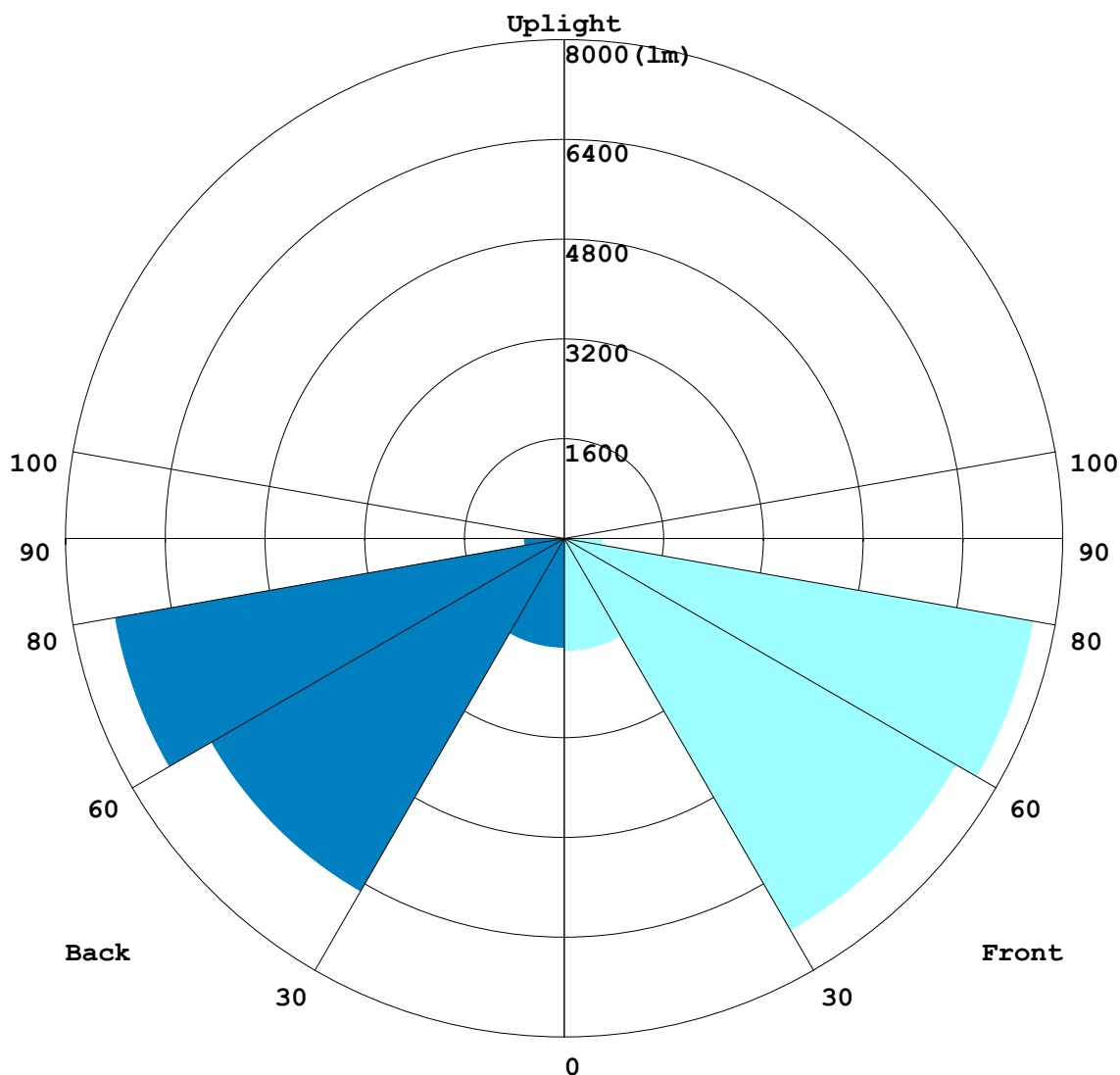
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.7°C  
 Operators:DAMIN  
 Test Date:2024-12-25

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:

**LCS REPORT**

Test:U:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 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: HIGH  
Temperature: 25.7℃  
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:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 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)	1812.2	5.4
FM - Front-Medium(30-60)	7264.1	21.6
FH - Front-High(60-80)	7640.9	22.7
FVH - Front-Very High(80-90)	617.4	1.8
Total Forward Light	17335	51.6

BL - Back-Low(0-30)	1753.9	5.2
BM - Back-Medium(30-60)	6540	19.5
BH - Back-High(60-80)	7318.6	21.8
BVH - Back-Very High(80-90)	644.26	1.9
Total Back Light	16257	48.4

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16257	0	16257
Street Side	17335	0	17335

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.7℃  
Operators:DAMIN  
Test Date:2024-12-25

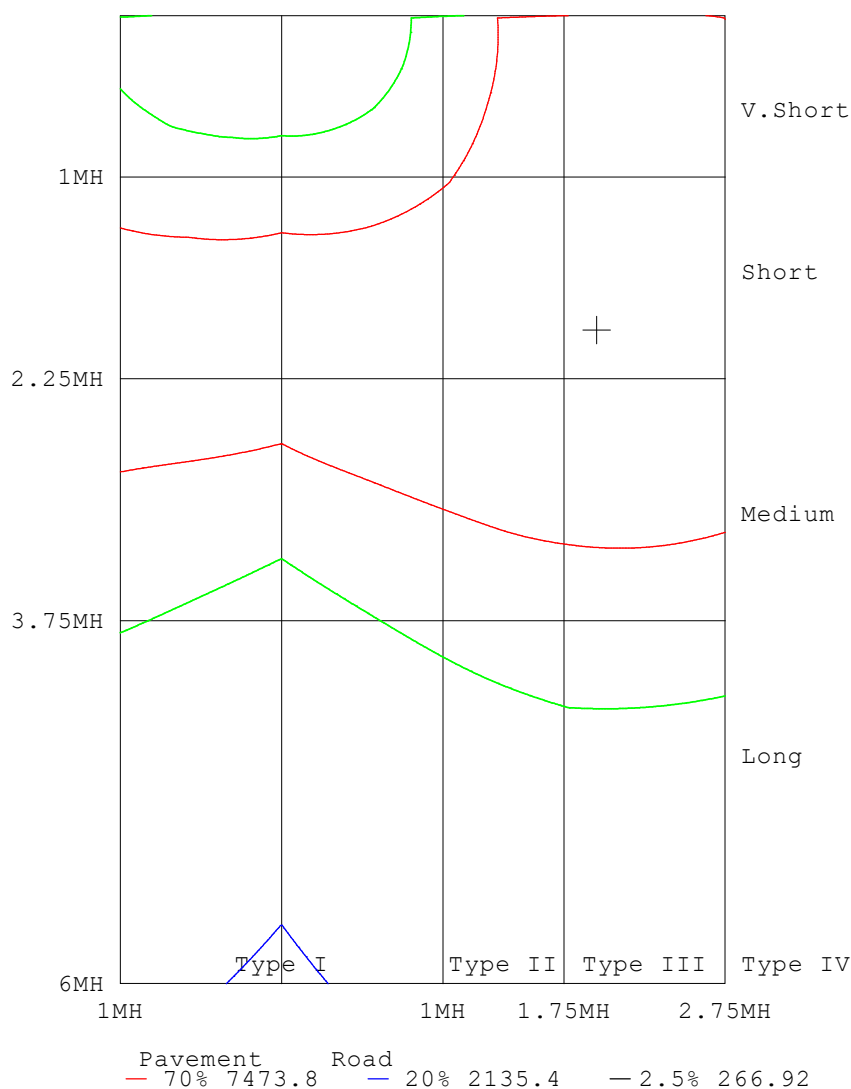
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 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: HIGH  
Temperature: 25.7°C  
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:118.88V I:1.8830A P:223.80W PF:0.9997 Freq:60.01Hz Lamp Flux:33670.4x1 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	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398			
5	399	400	401	401	400	399	400	400	400	399	398	398	395	395	397	399			
10	404	405	406	406	404	404	405	406	406	403	400	398	394	395	398	402			
15	412	415	415	415	413	412	413	414	416	411	406	401	398	397	402	407			
20	421	428	428	428	425	424	426	428	430	423	415	408	402	402	408	417			
25	438	444	447	446	442	441	445	447	452	441	428	417	410	409	416	427			
30	457	466	472	472	466	465	469	474	480	465	446	430	422	420	428	445			
35	483	497	502	505	499	499	504	510	519	497	472	449	439	434	444	468			
40	520	534	539	548	544	541	544	555	567	540	503	476	464	454	466	496			
45	566	582	586	602	602	594	593	611	625	590	542	509	496	482	493	537			
50	634	646	645	678	678	665	654	676	693	652	590	557	548	524	536	597			
55	722	733	727	774	783	764	733	753	775	728	657	626	626	594	598	683			
60	794	817	829	885	896	891	844	844	851	813	746	722	731	701	699	773			
65	786	852	923	956	930	1006	979	919	854	867	846	831	816	840	836	807			
70	654	762	936	867	741	976	1068	878	720	805	919	877	713	899	931	730			
75	394	561	735	553	415	661	908	691	447	638	833	701	449	689	782	525			
80	184	280	363	256	197	309	487	399	211	370	532	374	209	334	390	256			
85	51.2	75.3	83.3	75.8	69.4	104	141	139	68.7	122	156	118	51.8	85.6	89.4	69.1			
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: 25.7℃  
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: