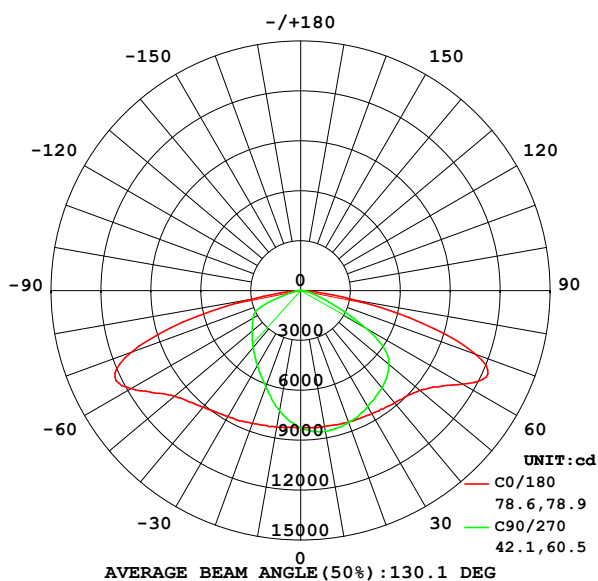
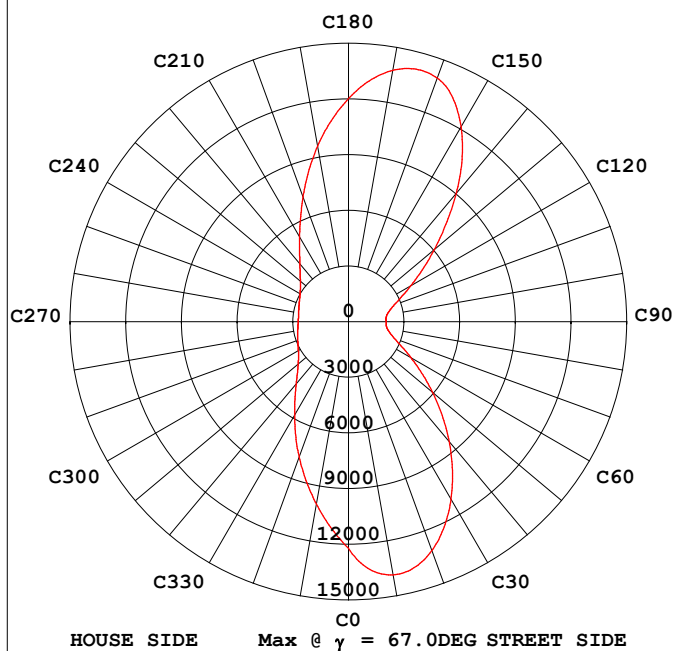


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.88V I:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.84 lm/W			
MODEL	AL-300WS-3CS-T3	I <sub>max</sub> (cd)	13738	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	58.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	34176	η house_up (%)	0.0
NOMINAL FLUX (lm)	34254.7	MAXIMUM @ (C, γ )	158,67.0	η house_down (%)	41.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.305

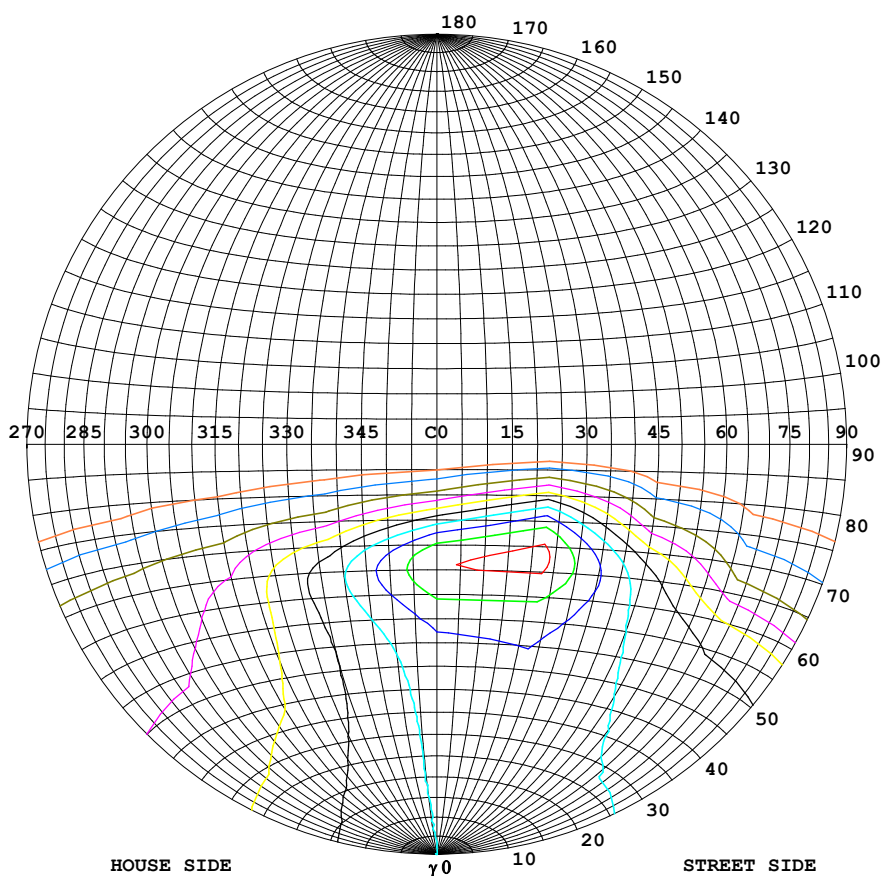
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-12-29

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:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



## Classification:

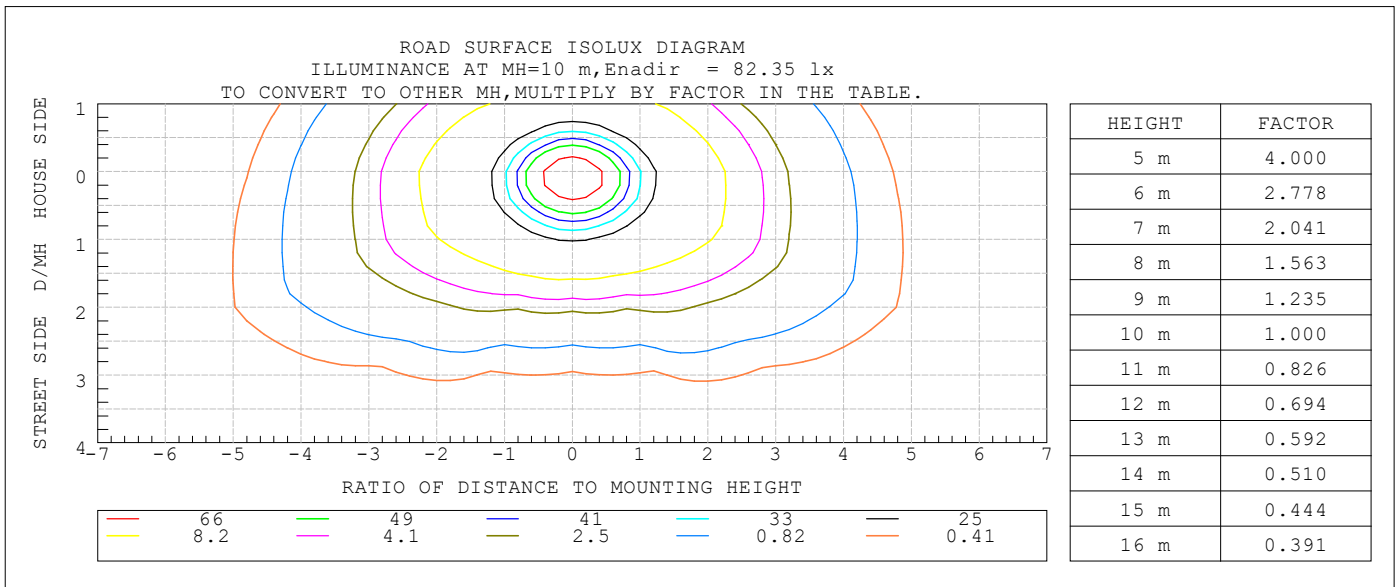
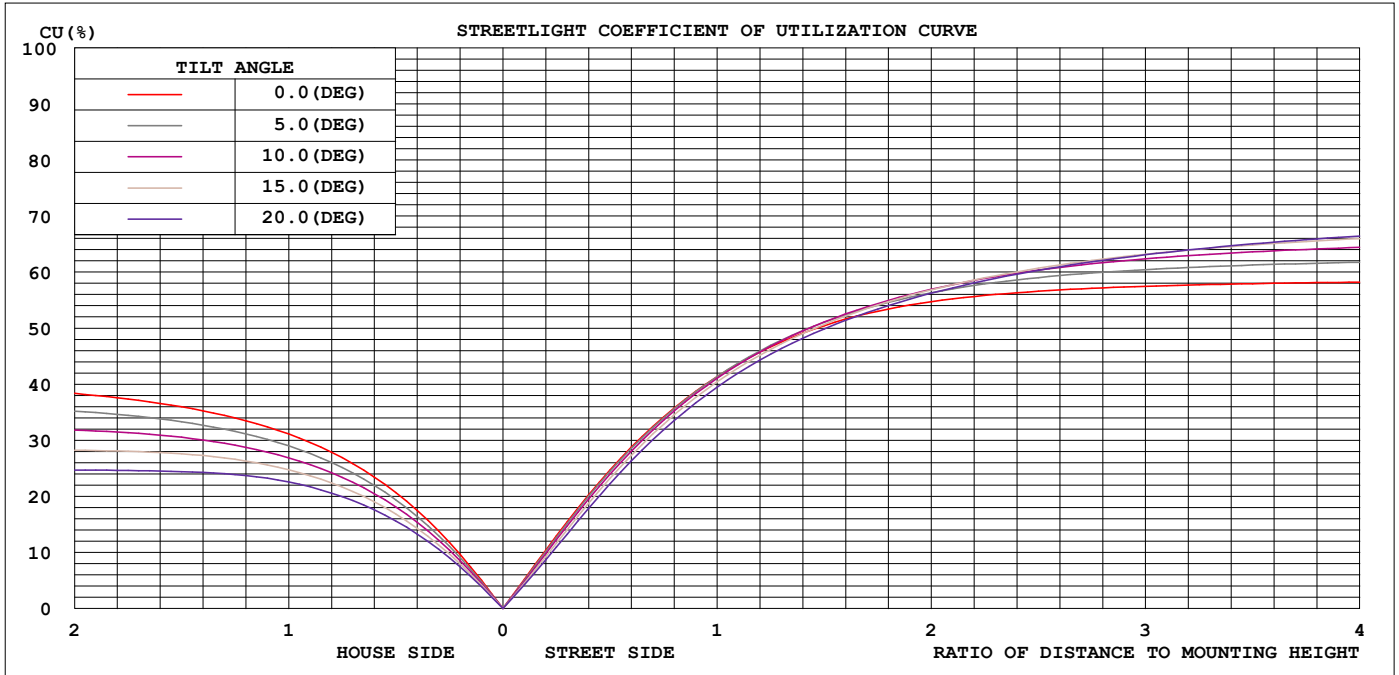
IES:Type III - Short  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:179.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:179.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		13738
90%		12364
80%		10990
70%		9617
60%		8243
50%		6869
40%		5495
30%		4121
20%		2748
10%		1374
5%		687

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-12-29

$\gamma$  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:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

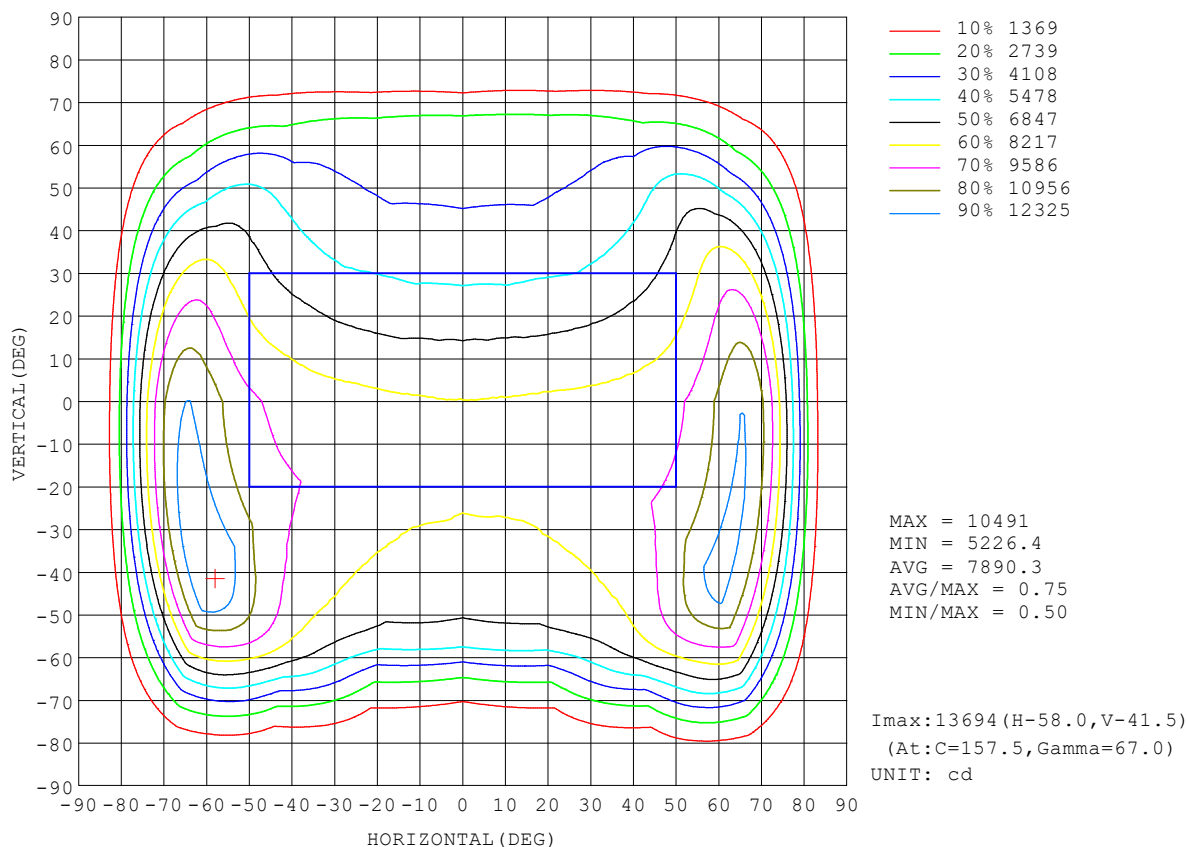
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	829.0	854.1	858.5	861.0	834.4	768.0	733.7	764.5	0- 10	781.3	781.3	2.29,2.28
20	841.9	860.7	843.6	876.5	850.9	687.9	615.8	688.8	10- 20	2260	3041	8.9,8.88
30	856.8	854.3	806.1	875.9	874.9	610.6	522.9	605.2	20- 30	3546	6587	19.3,19.2
40	879.4	842.6	763.2	868.1	915.3	553.4	446.9	541.6	30- 40	4629	11217	32.8,32.7
50	933.7	831.6	691.9	865.2	989.4	502.2	380.5	493.6	40- 50	5554	16770	49.1,49
60	1126	808.8	452.6	847.9	1177	452.8	332.9	451.7	50- 60	6367	23138	67.7,67.5
70	1117	603.1	141.5	620.2	1081	306.5	196.7	325.8	60- 70	6559	29696	86.9,86.7
80	327.7	144.0	42.43	138.4	302.2	72.55	39.31	74.78	70- 80	3867	33564	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	612.4	34176	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	34176	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	34176	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	34176	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	34176	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	34176	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	34176	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	34176	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	34176	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	34176	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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

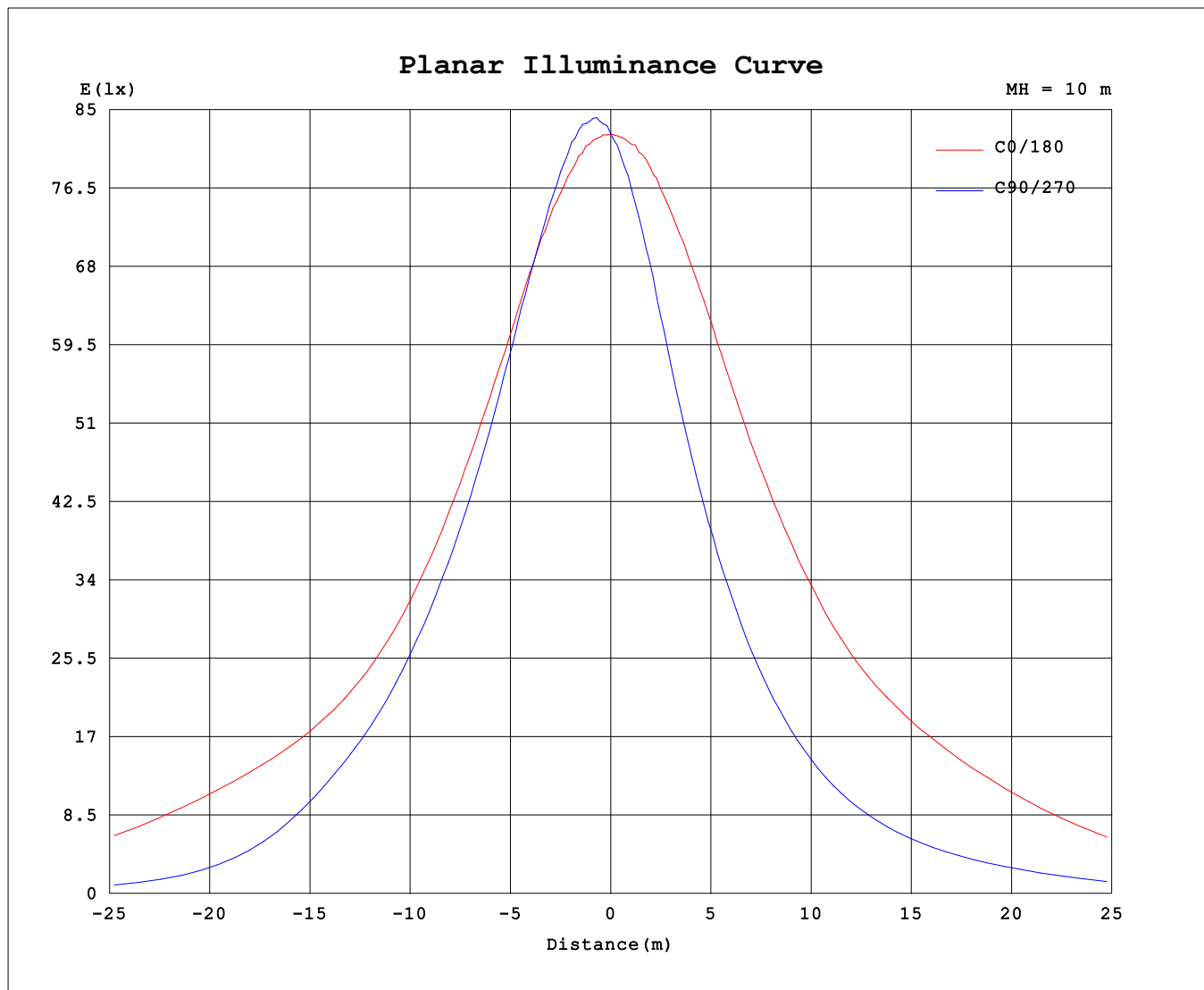
Test:U:118.88V I:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-12-29

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



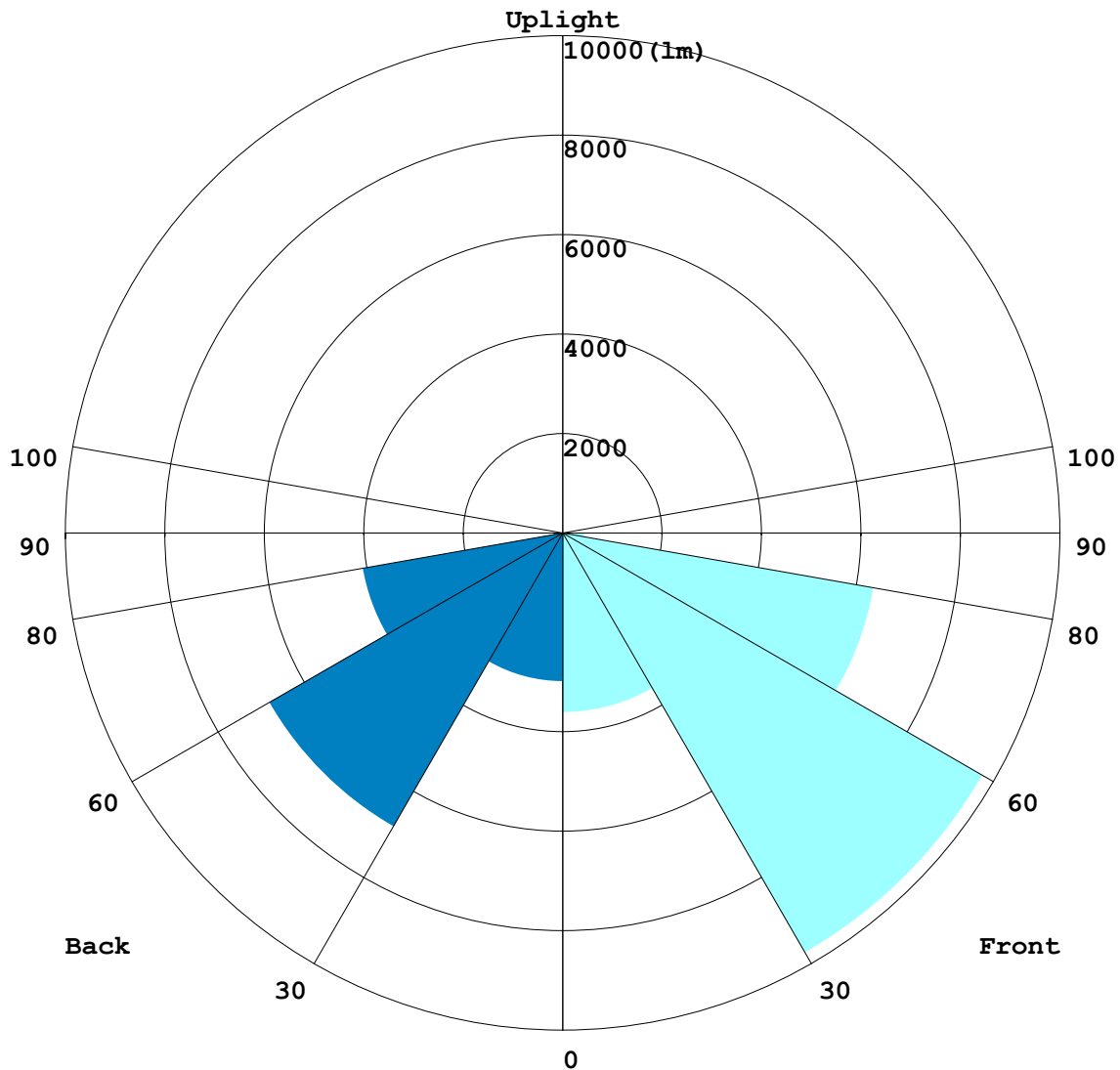
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.4 °C  
 Operators: DAMIN  
 Test Date: 2024-12-29

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:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 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: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 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)	3606.6	10.6
FM - Front-Medium(30-60)	9739.3	28.5
FH - Front-High(60-80)	6343.4	18.6
FVH - Front-Very High(80-90)	430.02	1.3
Total Forward Light	20119	58.9

BL - Back-Low(0-30)	2980.8	8.7
BM - Back-Medium(30-60)	6811	19.9
BH - Back-High(60-80)	4082.8	11.9
BVH - Back-Very High(80-90)	182.34	0.5
Total Back Light	14057	41.1

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	14057	0	14057
Street Side	20119	0	20119

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

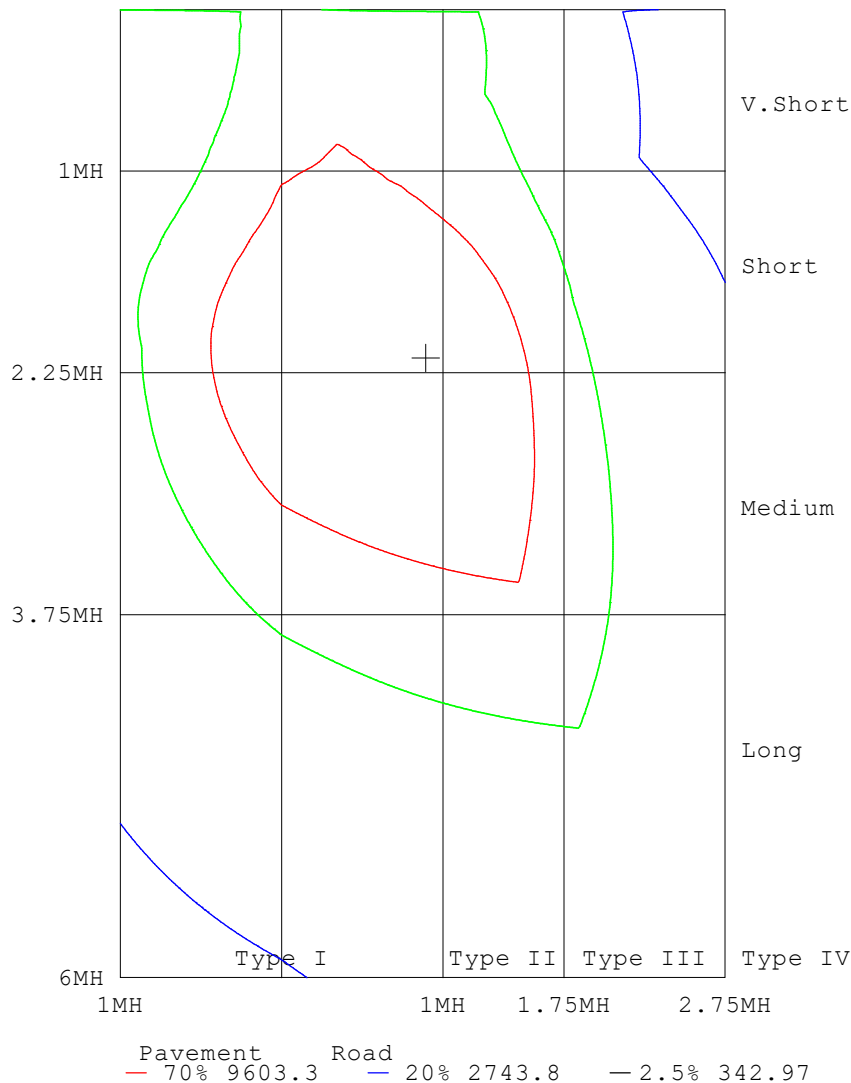
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.88V I:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 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: 25.4℃  
 Operators:DAMIN  
 Test Date:2024-12-29

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:1.8815A P:223.61W PF:0.9997 Freq:60.01Hz Lamp Flux:34254.7x1 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	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824			
5	827	836	845	845	851	847	842	841	826	816	800	787	788	786	798	812			
10	829	848	854	856	859	859	861	854	834	800	768	741	734	741	765	800			
15	834	859	860	853	854	862	870	870	839	785	729	687	677	689	729	789			
20	842	870	861	844	844	857	877	888	851	772	688	632	616	634	689	770			
25	848	883	862	832	829	843	877	904	865	760	648	584	566	583	645	753			
30	857	894	854	817	806	826	876	915	875	742	611	540	523	541	605	735			
35	867	902	850	795	783	809	872	931	890	732	579	504	482	500	571	723			
40	879	920	843	780	763	785	868	952	915	728	553	466	447	466	542	712			
45	899	938	837	756	734	761	866	979	948	725	525	432	412	431	517	711			
50	934	967	832	724	692	725	865	1020	989	727	502	400	381	400	494	715			
55	1009	1023	826	676	619	671	864	1093	1074	741	480	372	354	372	473	732			
60	1126	1126	809	556	453	546	848	1223	1177	754	453	344	333	347	452	762			
65	1233	1245	762	358	263	355	798	1352	1233	713	403	311	300	317	418	762			
70	1117	1251	603	202	141	202	620	1316	1081	554	307	228	197	242	326	622			
75	758	1036	343	107	79.5	107	350	996	733	329	177	107	84.3	111	185	367			
80	328	614	144	54.3	42.4	53.6	138	513	302	136	72.5	44.3	39.3	46.6	74.8	148			
85	66.2	164	34.8	20.4	16.9	19.7	29.9	116	59.2	28.1	15.0	11.9	11.7	13.2	15.7	33.4			
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: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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: