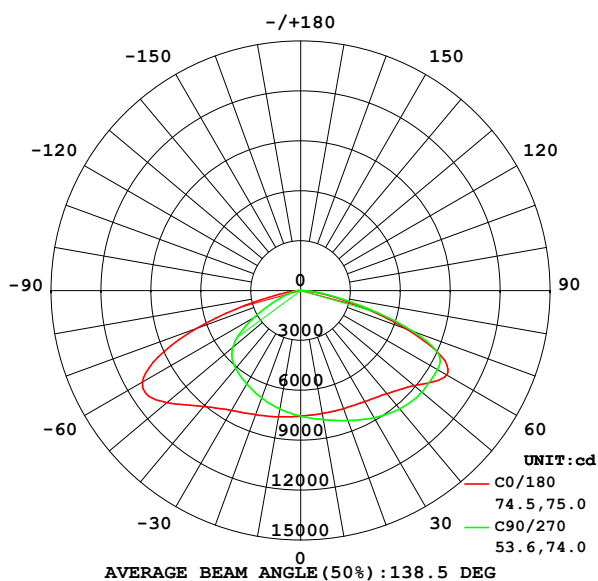
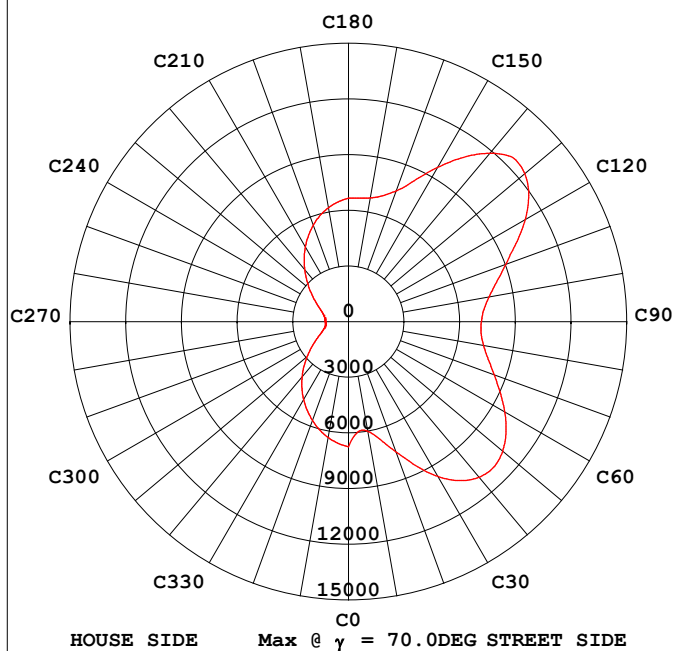


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.98 lm/W			
MODEL	AL-300WS-3CS-T4	Imax(cd)	12522	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	300	LOR(%)	99.8	$\eta$ street_down(%)	60.2
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	38219	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	38304.9	MAXIMUM @ (C, $\gamma$ )	135,70.0	$\eta$ house_down(%)	39.6
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.8	SLI	24.260

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℃  
Operators:DAMIN  
Test Date:2024-12-28

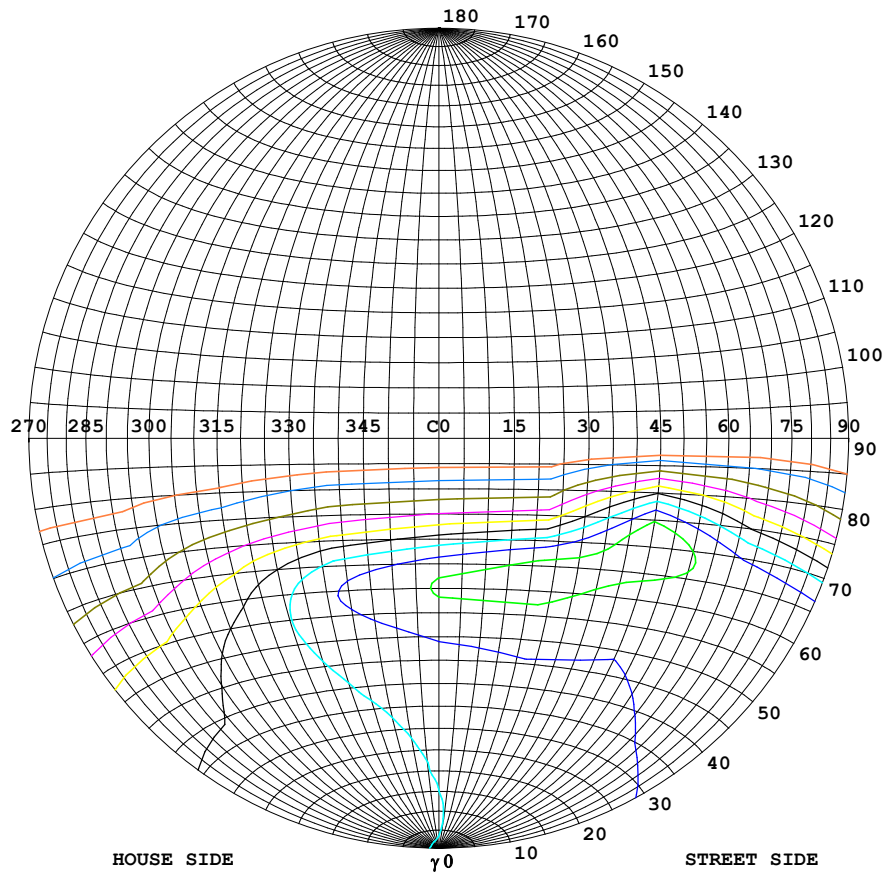
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz

Lamp Flux:38304.9x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



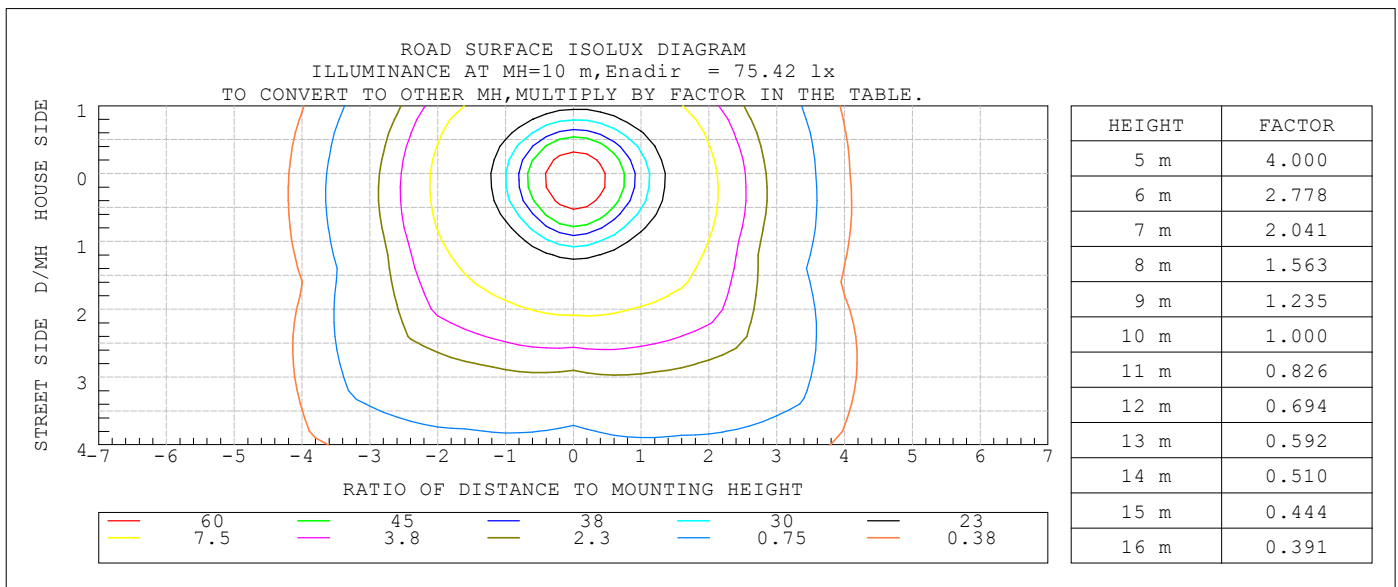
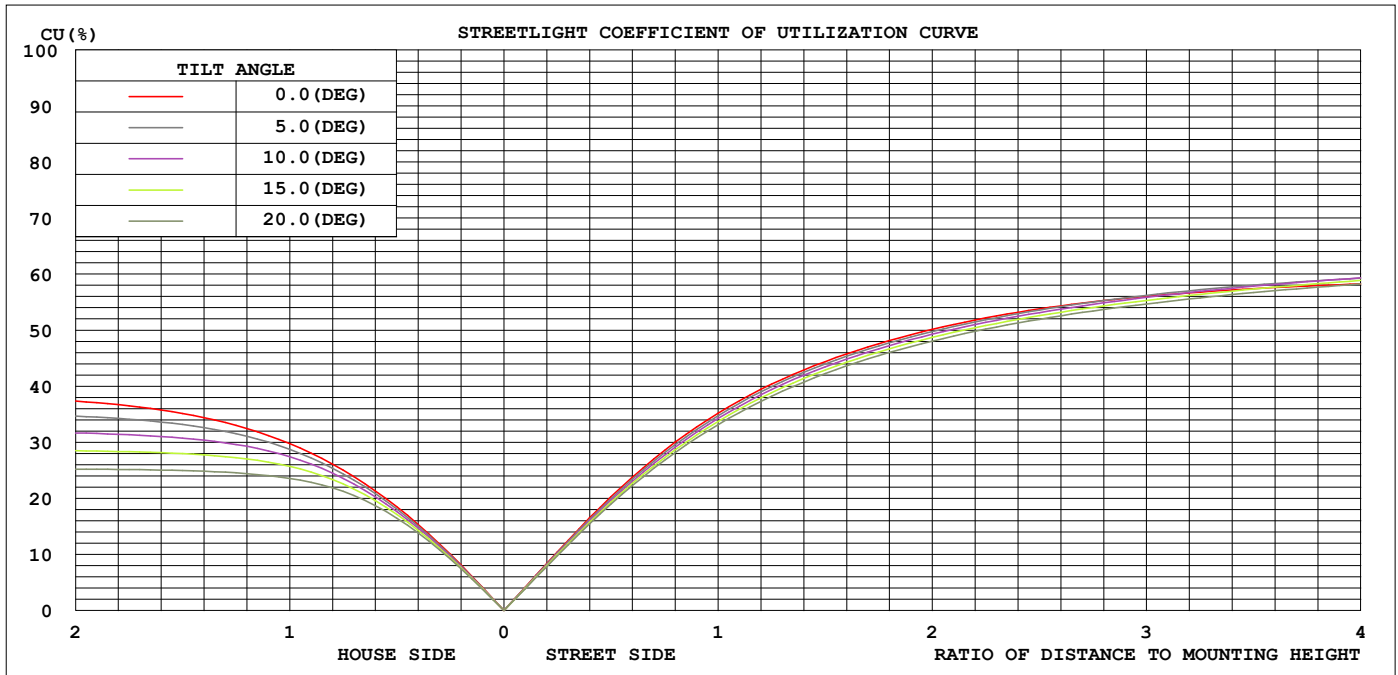
## Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:169.1cd/klm  
Max.At90:0cd/klm  
Max.80-90:169.1cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		12522
90%		11270
80%		10018
70%		8765
60%		7513
50%		6261
40%		5009
30%		3757
20%		2504
10%		1252
5%		626

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-28

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: 2024-12-28

$\gamma$  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:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

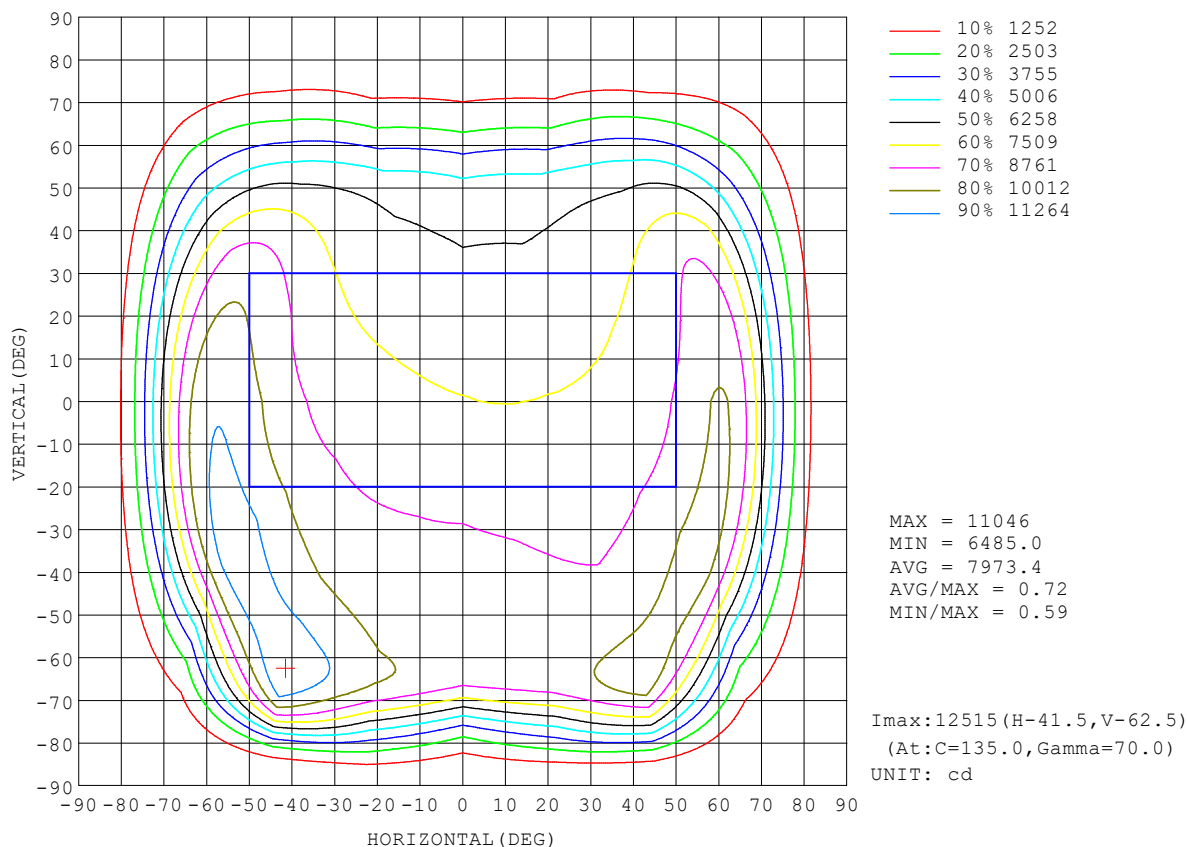
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	749.8	772.1	788.0	787.9	770.5	741.7	723.2	729.6	0- 10	722.1	722.1	1.89,1.89
20	755.9	795.0	831.2	827.3	794.2	730.7	687.4	706.8	10- 20	2161	2883	7.54,7.53
30	770.8	818.9	882.4	871.4	832.0	722.8	648.6	688.9	20- 30	3579	6461	16.9,16.9
40	809.4	847.5	928.2	920.3	910.3	729.8	608.6	677.9	30- 40	4977	11438	29.9,29.9
50	890.1	885.4	949.5	990.8	1048	736.9	534.7	676.4	40- 50	6384	17822	46.6,46.5
60	1014	952.7	950.4	1116	1097	627.3	321.6	605.8	50- 60	7620	25442	66.6,66.4
70	674.3	1109	717.2	1252	666.5	319.6	126.3	340.6	60- 70	7530	32972	86.3,86.1
80	177.9	615.0	199.8	647.6	128.1	77.69	43.46	73.78	70- 80	4413	37386	97.8,97.6
90	0	0	0	0	0	0	0	0	80- 90	832.8	38219	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	38219	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	38219	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	38219	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	38219	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	38219	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	38219	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	38219	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	38219	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	38219	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:2024-12-28

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

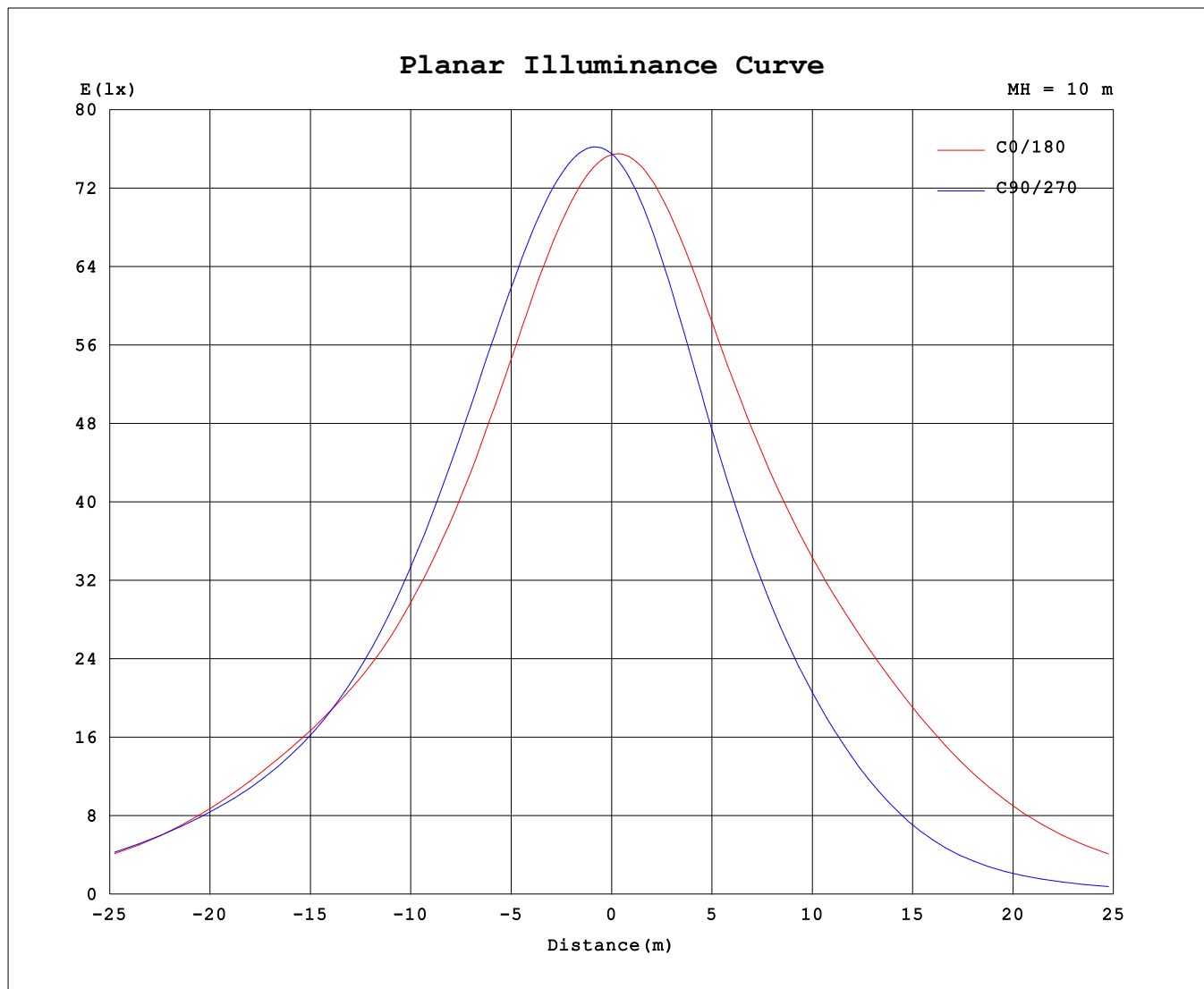
Test:U:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators: DAMIN  
Test Date: 2024-12-28

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



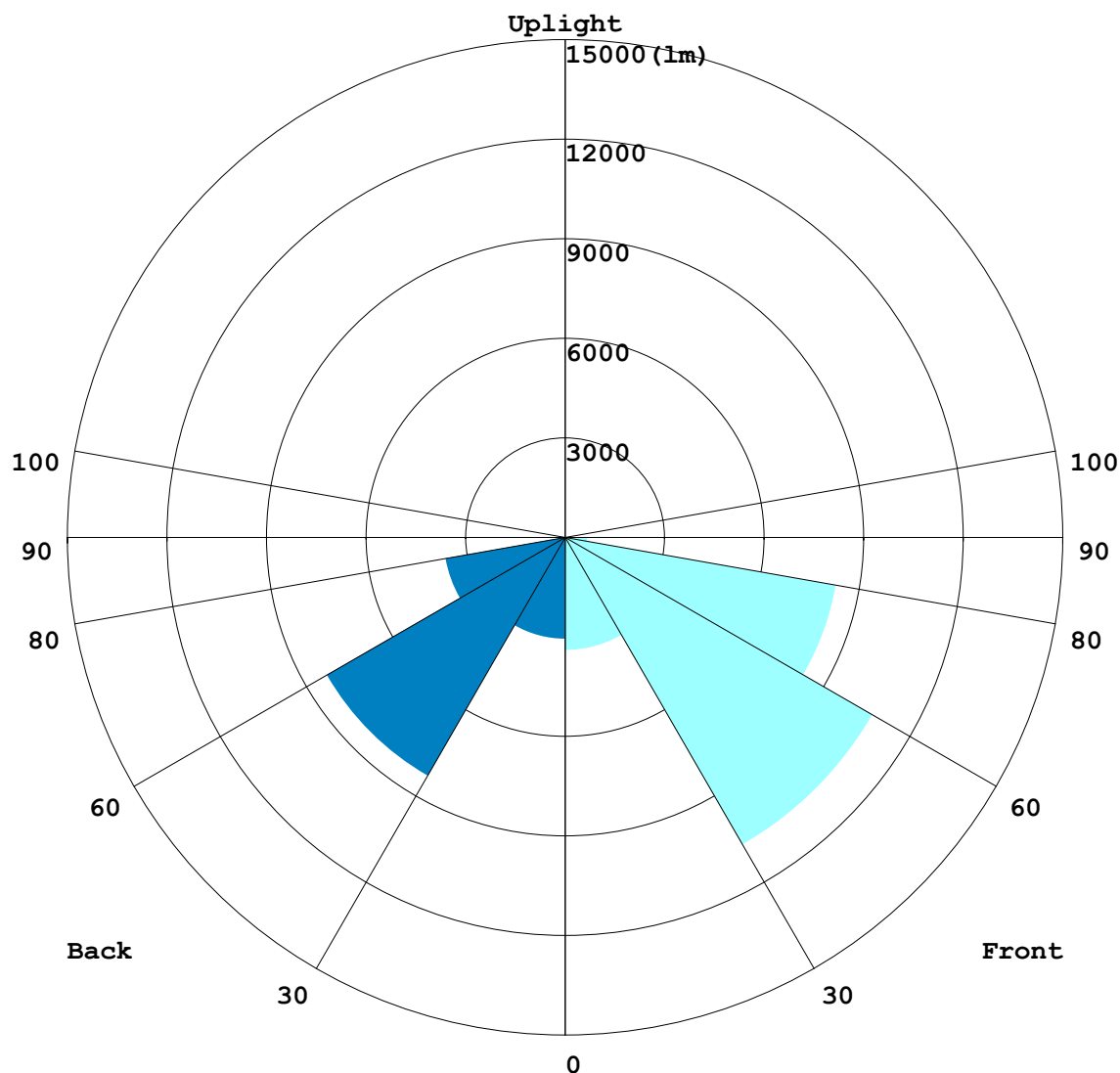
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-28

$\gamma$  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:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 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:2024-12-28

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:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 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)	3400.3	8.9
FM - Front-Medium(30-60)	10688	28.0
FH - Front-High(60-80)	8285.2	21.7
FVH - Front-Very High(80-90)	672.43	1.8
Total Forward Light	23046	60.3

BL - Back-Low(0-30)	3061.2	8.0
BM - Back-Medium(30-60)	8292.3	21.7
BH - Back-High(60-80)	3658.5	9.6
BVH - Back-Very High(80-90)	160.32	0.4
Total Back Light	15172	39.7

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	15172	0	15172
Street Side	23046	0	23046

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-28

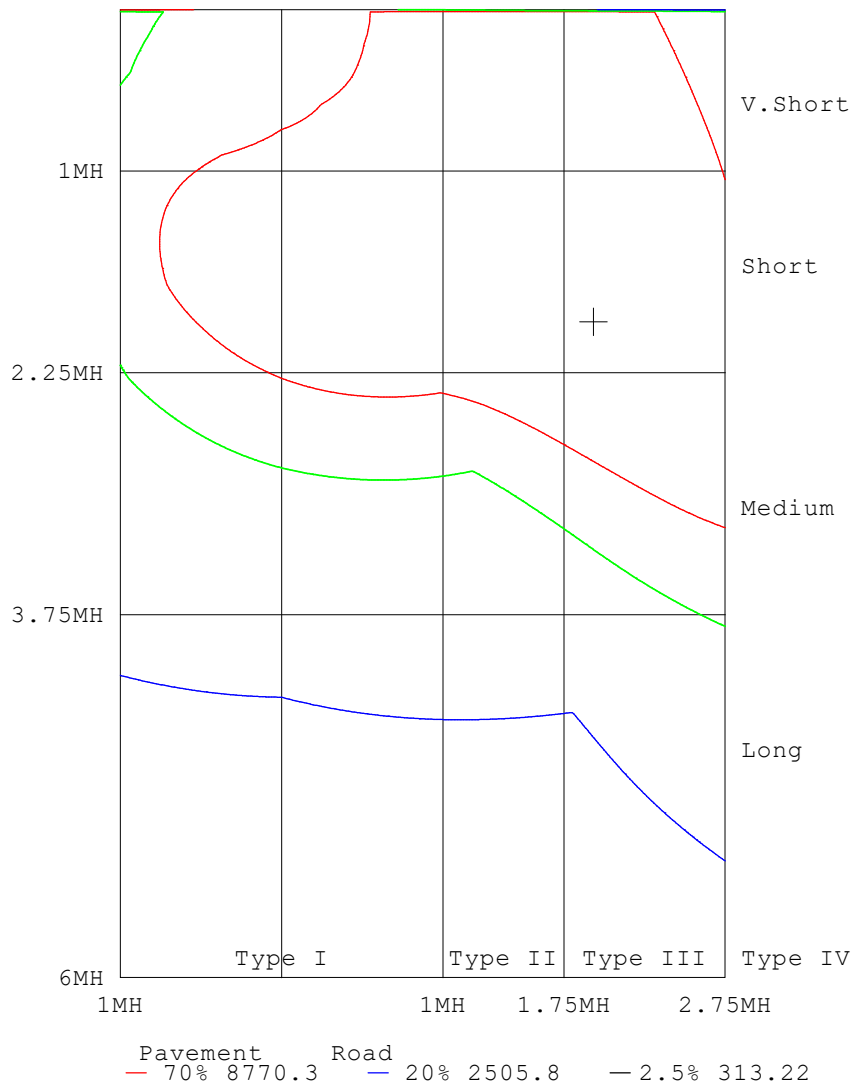
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 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:2024-12-28

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:118.54V I:2.4812A P:294.04W PF:0.9997 Freq:60.01Hz Lamp Flux:38304.9x1 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	755	755	755	755	755	755	755	755	755	755	755	755	755	755	755	755			
5	751	757	763	767	770	772	771	767	762	755	748	742	739	739	741	746			
10	750	762	772	781	788	791	788	783	771	757	742	730	723	723	730	739			
15	752	768	783	797	808	811	806	799	782	760	736	717	706	708	718	736			
20	756	777	795	815	831	834	827	817	794	765	731	702	687	690	707	734			
25	761	787	807	836	856	858	849	837	811	773	725	687	668	672	697	733			
30	771	800	819	857	882	881	871	863	832	785	723	672	649	655	689	735			
35	785	816	833	877	907	903	894	894	864	807	724	659	630	639	682	742			
40	809	839	847	895	928	922	920	938	910	840	730	645	609	622	678	756			
45	843	871	864	909	943	941	952	993	972	884	737	628	582	602	677	782			
50	890	911	885	919	949	957	991	1067	1048	936	737	595	535	571	676	813			
55	962	971	913	925	951	973	1044	1144	1111	964	710	522	445	506	659	856			
60	1014	1038	953	938	950	997	1116	1185	1097	916	627	405	322	398	606	875			
65	933	1032	1027	949	917	1022	1200	1105	945	762	486	269	207	267	495	788			
70	674	796	1109	868	717	944	1252	784	667	534	320	161	126	160	341	548			
75	380	441	989	623	419	686	1126	420	347	316	181	92.1	76.3	89.8	183	308			
80	178	198	615	356	200	386	648	173	128	128	77.7	48.8	43.5	47.0	73.8	150			
85	45.8	51.6	186	123	61.9	145	145	40.6	33.3	24.8	18.7	16.0	16.4	15.2	19.1	32.3			
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:2024-12-28

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: