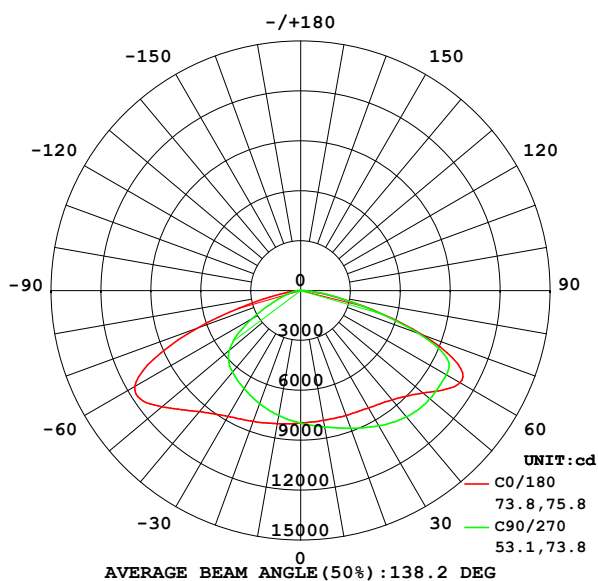
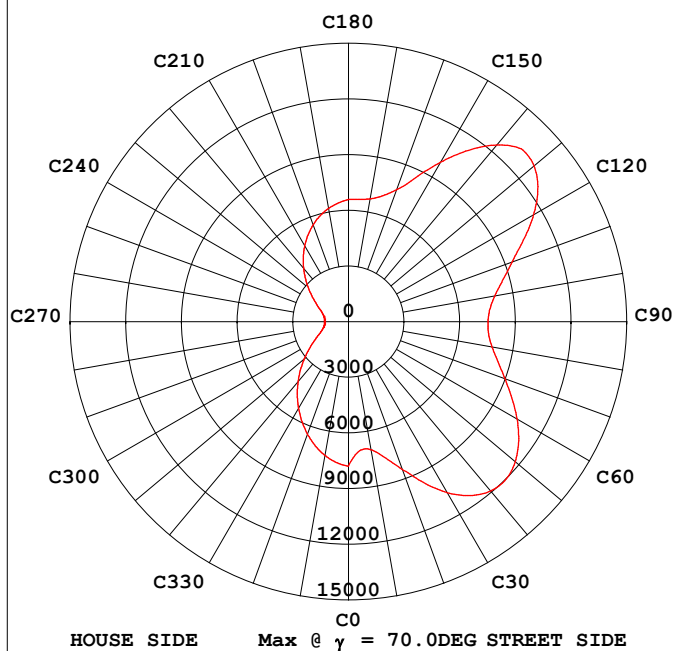


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.76 lm/W			
MODEL	AL-300WS-3CS-T4	Imax (cd)	13176	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	$\eta$ street_down (%)	60.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	40458	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	40550.3	MAXIMUM @ (C, $\gamma$ )	135,70.0	$\eta$ house_down (%)	39.3
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	24.369

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:2024-12-28

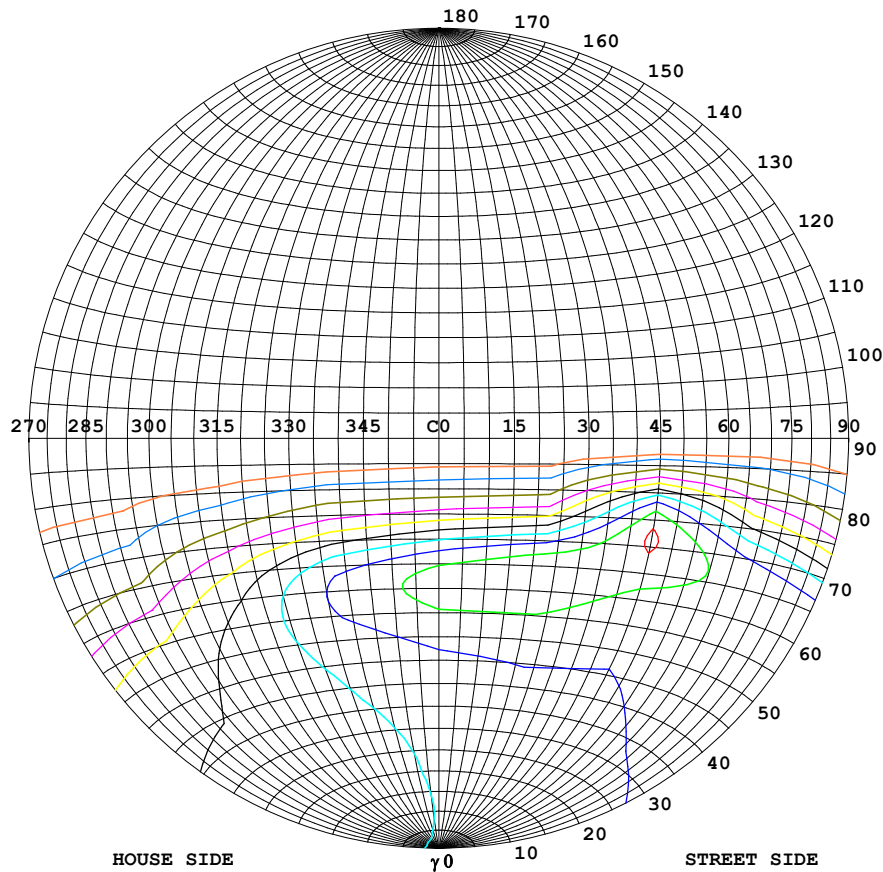
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz

Lamp Flux:40550.3x1 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.At80:184.3cd/klm

Max.At90:0cd/klm

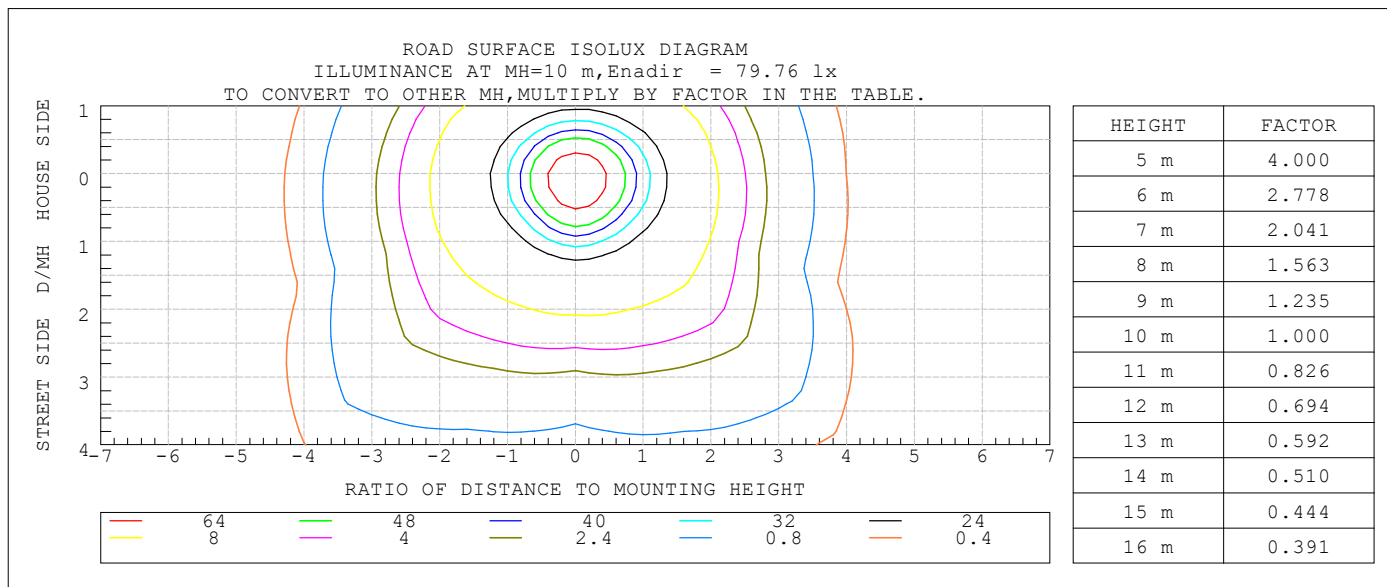
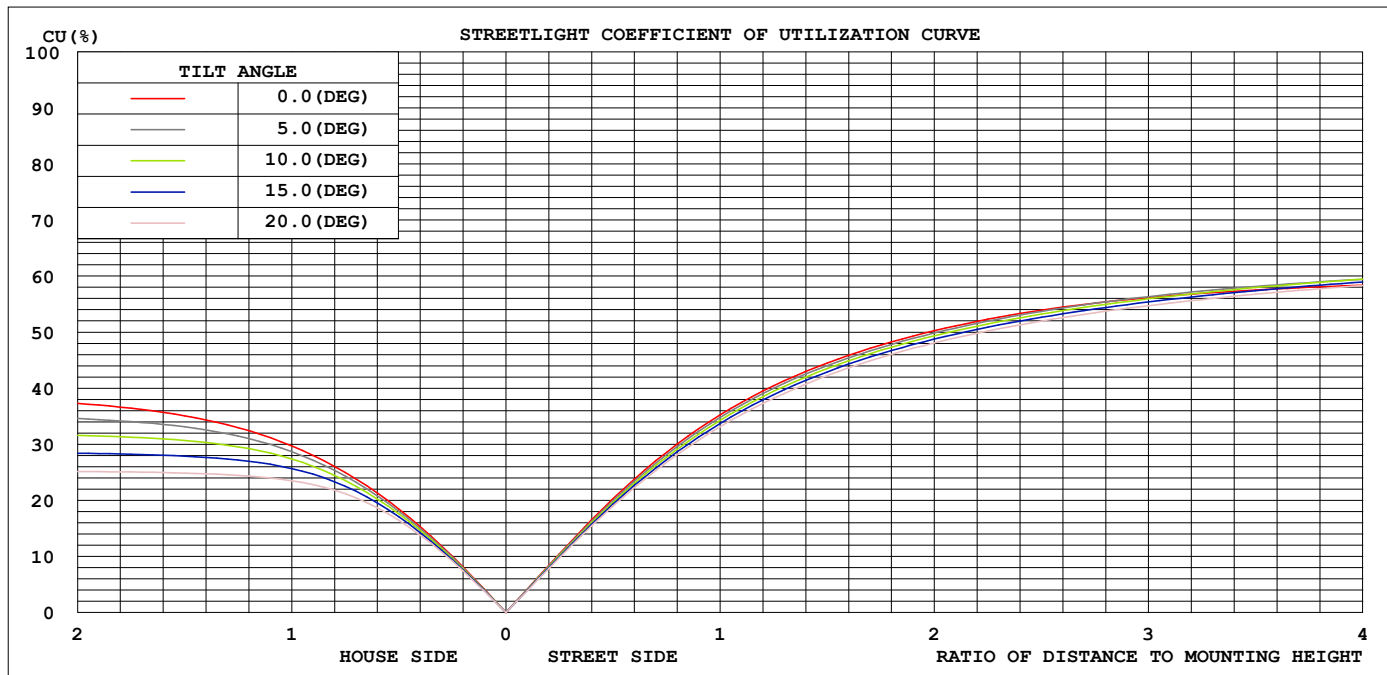
Max.80-90:184.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13176
90%	11859
80%	10541
70%	9223
60%	7906
50%	6588
40%	5270
30%	3953
20%	2635
10%	1318
5%	659

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:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

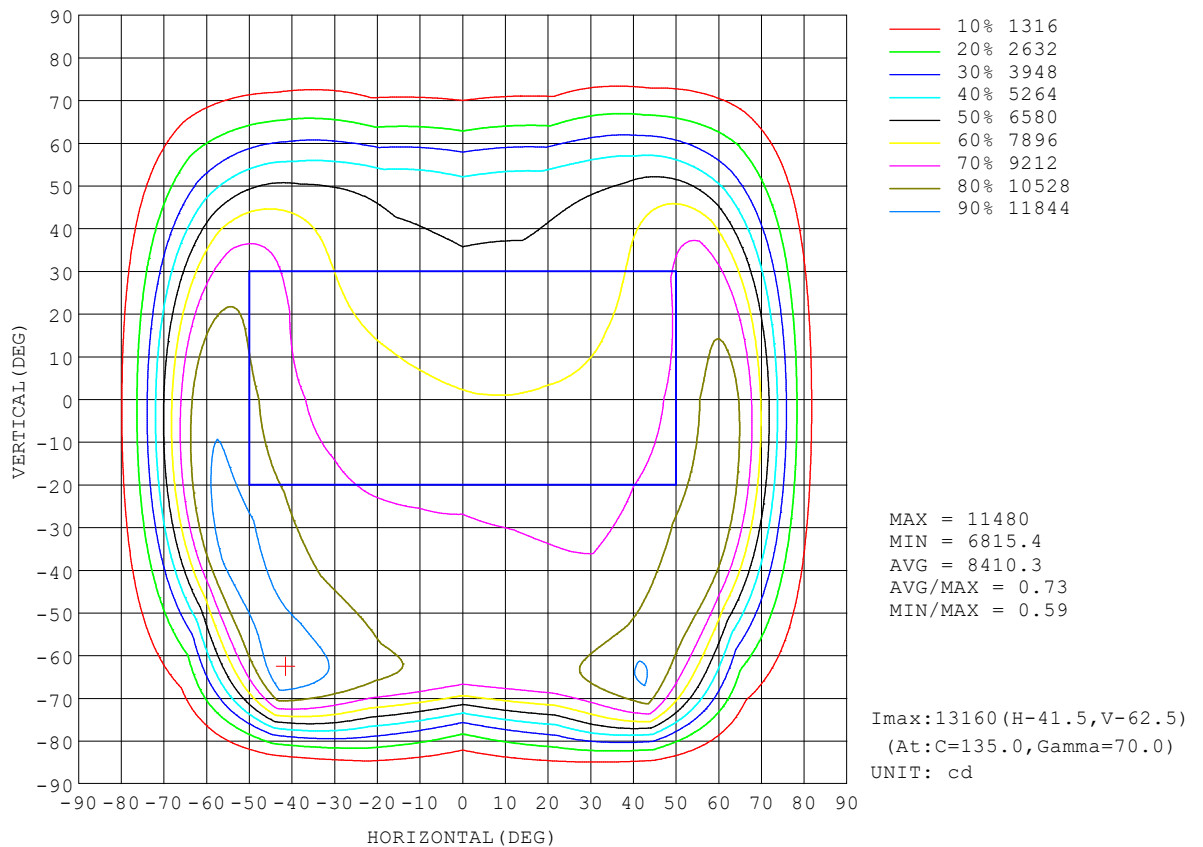
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	792.2	816.2	833.1	831.9	813.1	782.8	762.7	770.3	0- 10	762.4	762.4	1.88,1.88
20	799.3	842.3	881.0	873.7	836.6	770.2	723.6	747.3	10- 20	2281	3044	7.52,7.51
30	815.6	868.1	938.8	919.2	874.0	760.0	681.5	728.6	20- 30	3778	6822	16.9,16.8
40	858.1	897.6	990.8	970.6	951.2	764.0	638.8	718.4	30- 40	5254	12076	29.8,29.8
50	959.0	941.6	1014	1043	1087	770.3	561.1	719.7	40- 50	6744	18820	46.5,46.4
60	1108	1024	1012	1164	1151	649.3	336.4	655.2	50- 60	8076	26897	66.5,66.3
70	779.0	1202	753.0	1318	659.8	328.3	131.0	366.5	60- 70	8015	34912	86.3,86.1
80	194.7	747.4	203.4	613.2	126.4	74.07	45.19	85.11	70- 80	4675	39586	97.8,97.6
90	0	0	0	0	0	0	0	0	80- 90	872.0	40458	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	40458	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	40458	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	40458	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	40458	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	40458	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	40458	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	40458	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	40458	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	40458	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

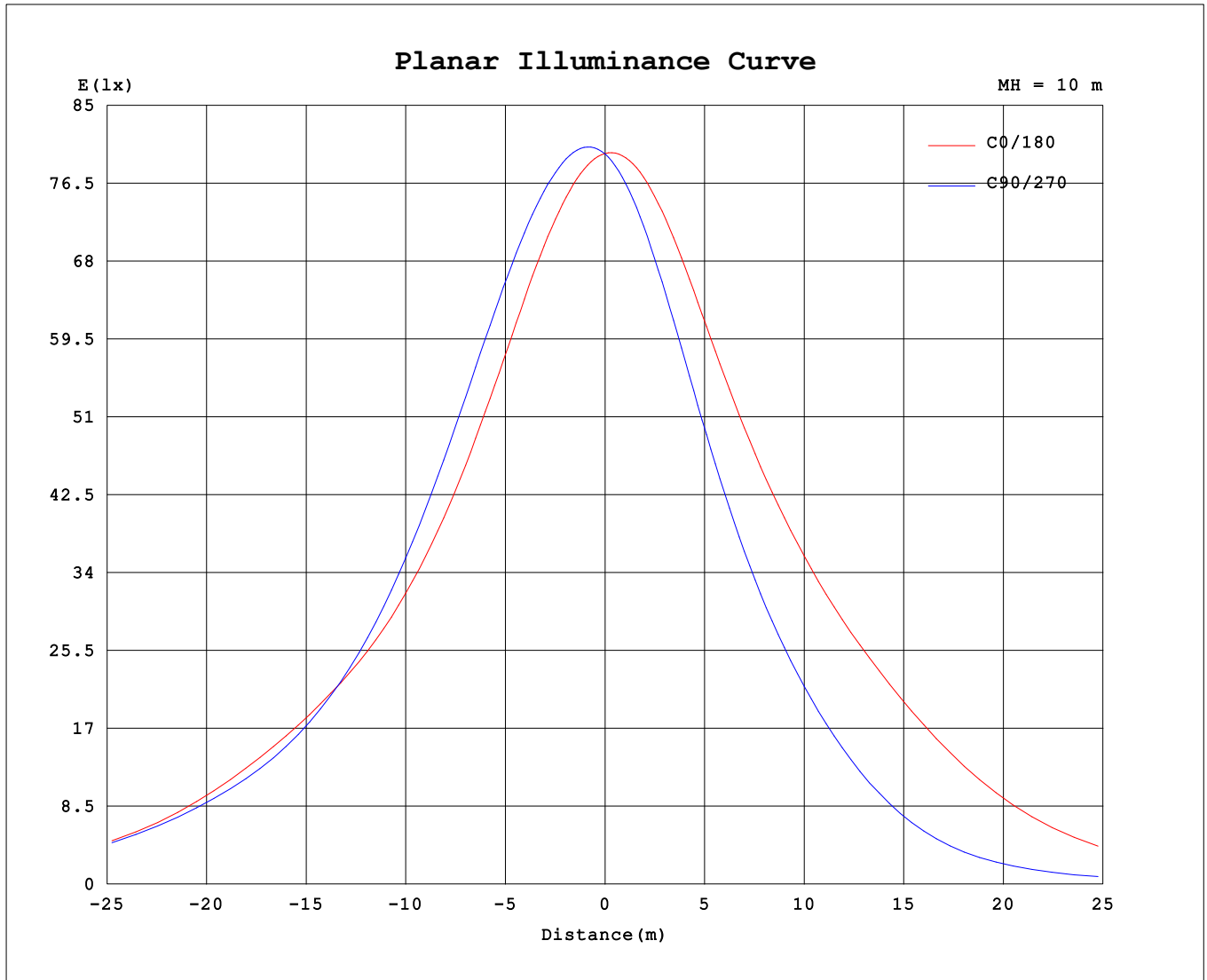
Test:U:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



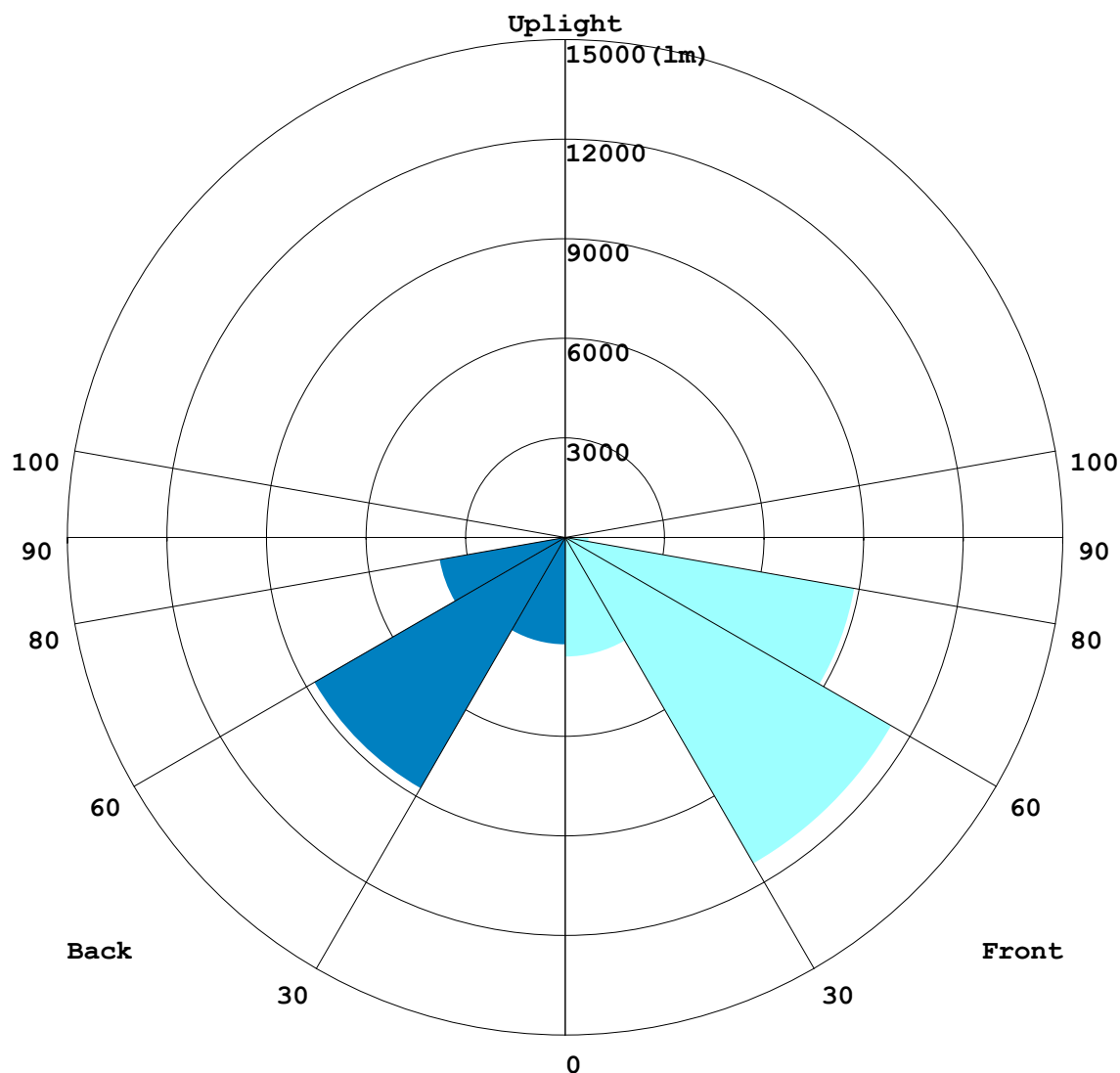
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 26.4 °C  
 Operators: DAMIN  
 Test Date: 2024-12-28

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:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 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:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 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)	3595.3	8.9
FM - Front-Medium(30-60)	11350	28.1
FH - Front-High(60-80)	8853.3	21.9
FVH - Front-Very High(80-90)	707.31	1.7
Total Forward Light	24505	60.6

BL - Back-Low(0-30)	3226.8	8.0
BM - Back-Medium(30-60)	8725	21.6
BH - Back-High(60-80)	3836.5	9.5
BVH - Back-Very High(80-90)	164.74	0.4
Total Back Light	15953	39.4

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15953	0	15953
Street Side	24505	0	24505

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

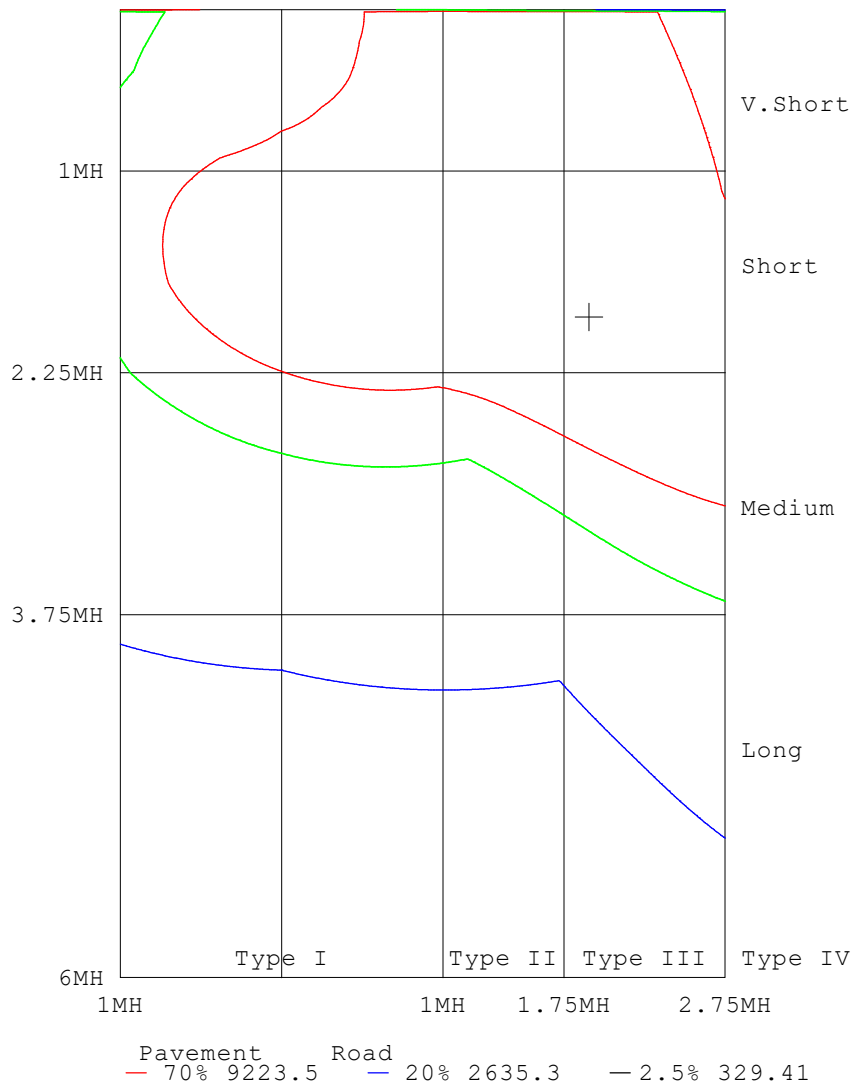
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 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:118.62V I:2.3246A P:275.68W PF:0.9998 Freq:60.01Hz Lamp Flux:40550.3x1 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	797	797	797	797	797	797	797	797	797	797	797	797	797	797	797	797			
5	793	800	806	811	814	815	814	810	804	797	790	784	780	780	783	787			
10	792	805	816	826	833	835	832	824	813	798	783	770	763	763	770	781			
15	795	812	829	843	855	857	852	841	824	801	776	755	744	746	759	776			
20	799	820	842	863	881	883	874	859	837	806	770	739	724	728	747	775			
25	805	832	855	886	910	910	895	879	853	813	764	722	702	709	738	774			
30	816	846	868	909	939	936	919	904	874	826	760	705	682	691	729	777			
35	831	865	882	931	967	961	943	937	906	846	759	691	661	674	722	786			
40	858	891	898	951	991	982	971	981	951	879	764	676	639	656	718	802			
45	898	928	917	967	1007	1002	1003	1038	1013	923	771	657	611	635	719	831			
50	959	979	942	979	1014	1019	1043	1110	1087	972	770	622	561	603	720	873			
55	1043	1050	975	989	1014	1034	1095	1190	1157	1000	738	549	468	538	707	927			
60	1108	1128	1024	1002	1012	1058	1164	1238	1151	954	649	422	336	422	655	956			
65	1042	1135	1108	1016	973	1079	1257	1149	975	794	501	276	215	283	536	869			
70	779	896	1202	933	753	984	1318	796	660	537	328	163	131	169	366	621			
75	446	513	1134	666	434	697	1134	404	329	303	180	93.1	79.4	95.9	202	360			
80	195	220	747	370	203	386	613	165	126	127	74.1	48.9	45.2	50.3	85.1	164			
85	51.8	56.1	216	137	62.6	137	148	39.9	30.4	23.6	18.0	15.5	17.1	16.9	21.6	39.2			
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: