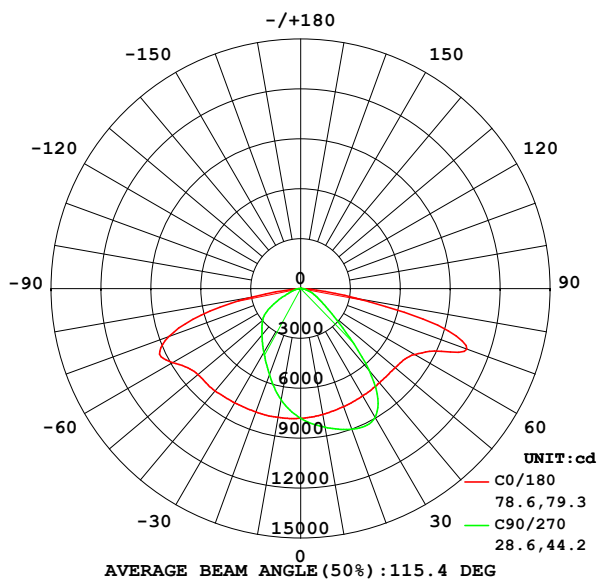
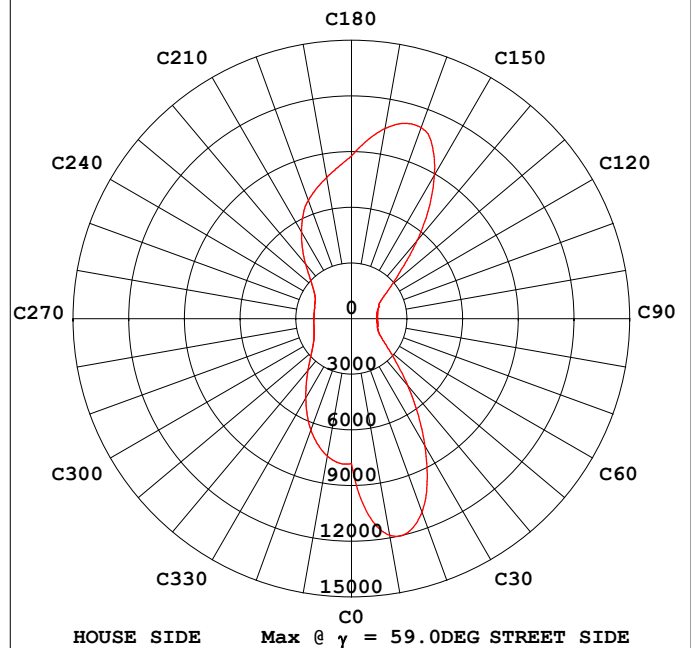


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.27 lm/W			
MODEL	AL-300WS-3CS-T2	Imax (cd)	10796	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	$\eta$ street_down (%)	57.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	26703	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	26765.2	MAXIMUM @ (C, $\gamma$ )	158,59.0	$\eta$ house_down (%)	42.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	25.443

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

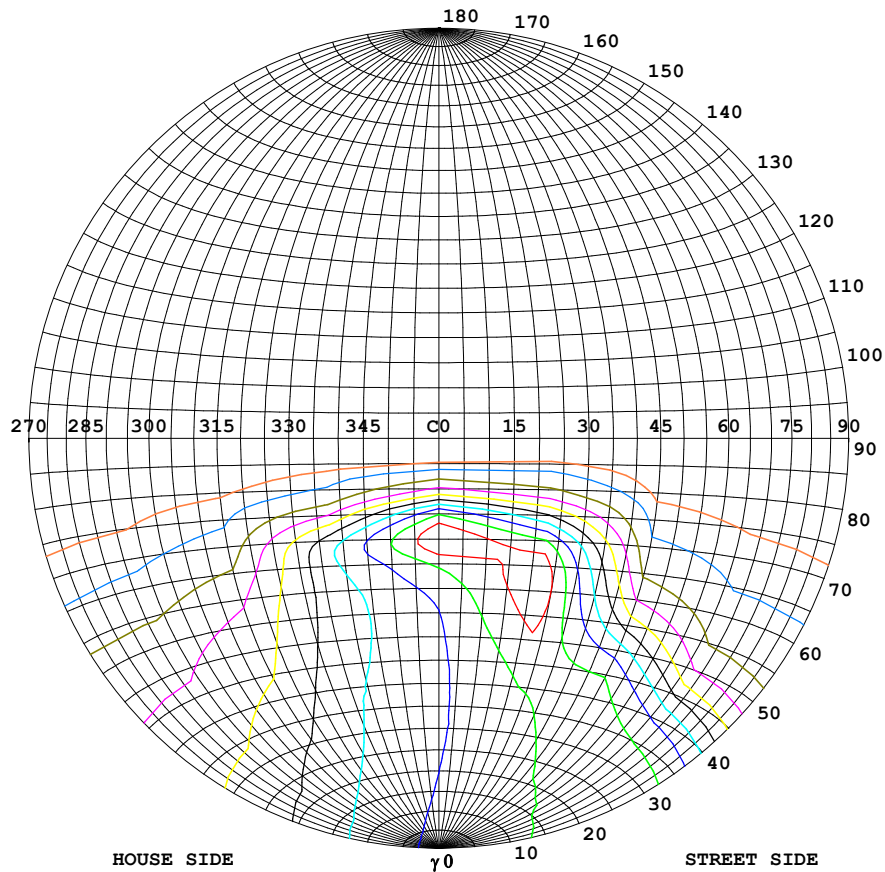
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz

Lamp Flux:26765.2x1 lm

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



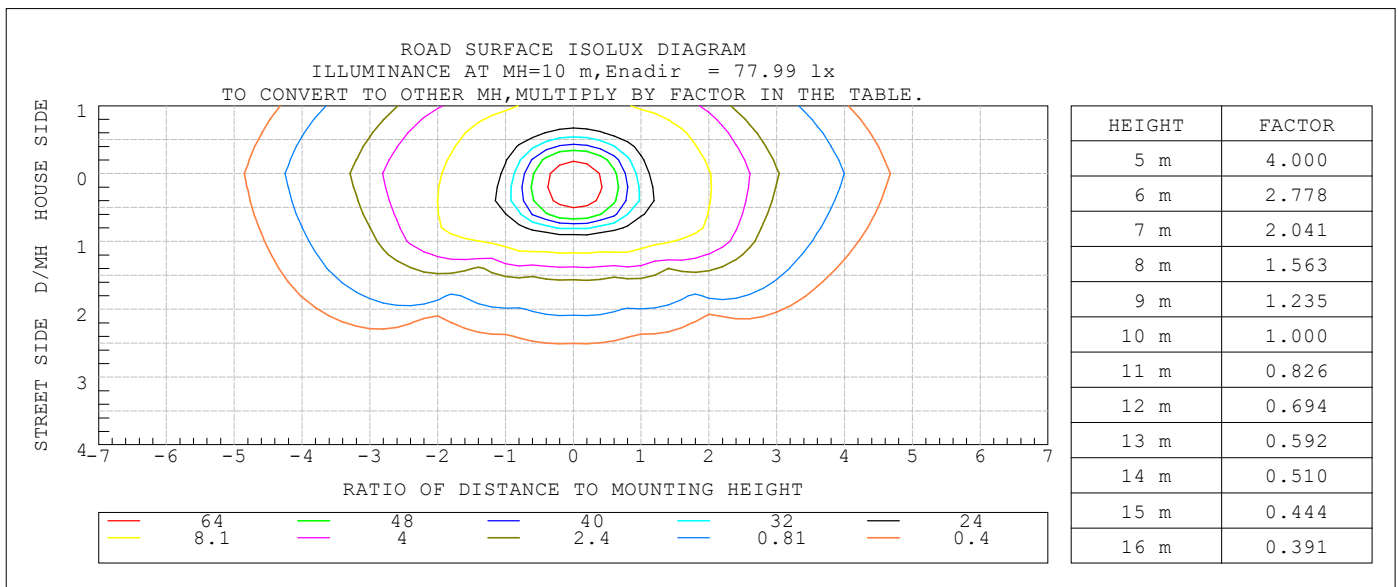
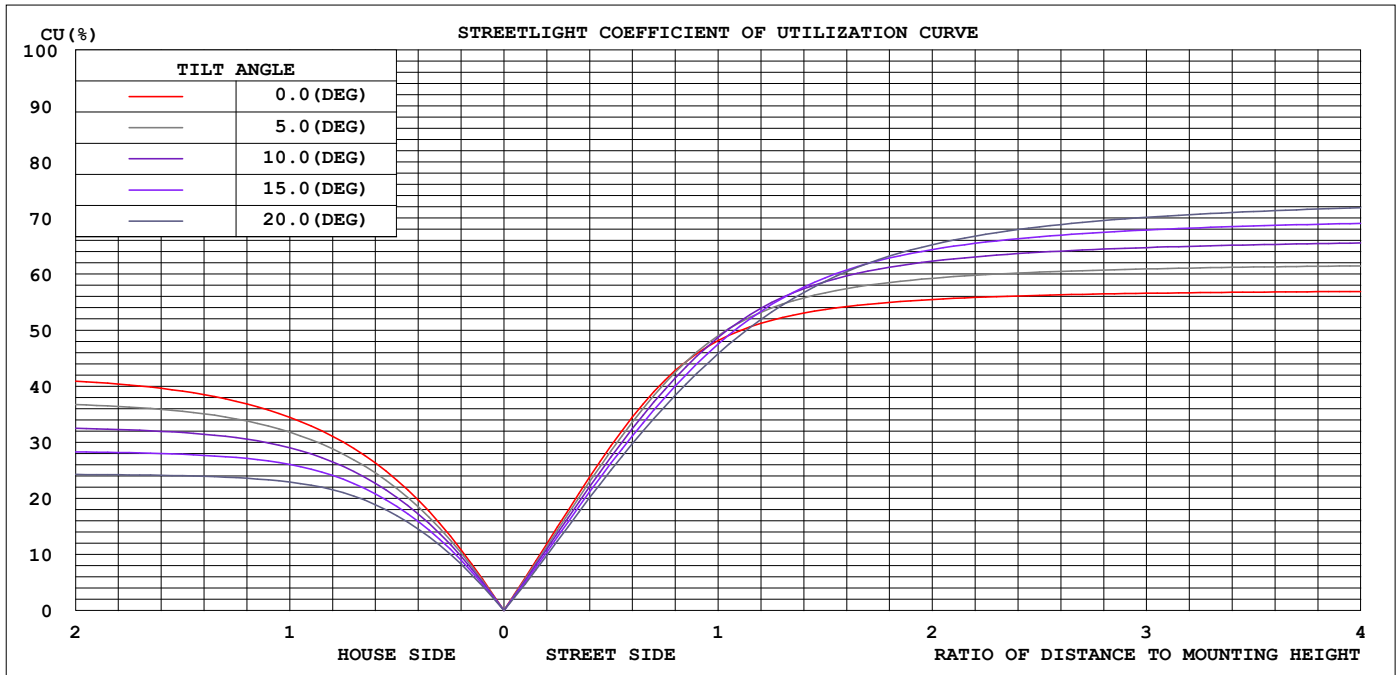
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:126.7cd/klm  
Max.At90:0cd/klm  
Max.80-90:126.7cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		10796
90%		9717
80%		8637
70%		7557
60%		6478
50%		5398
40%		4319
30%		3239
20%		2159
10%		1080
5%		540

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
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:

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:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

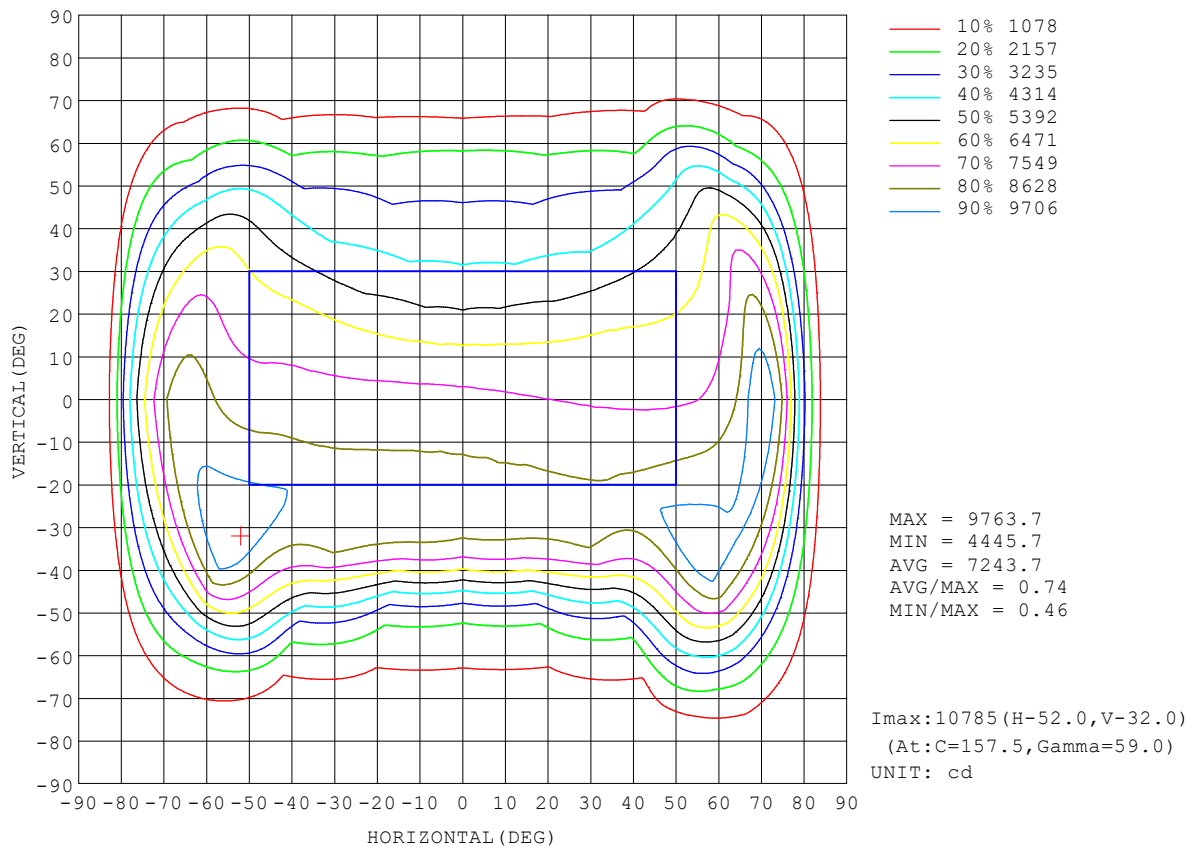
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	768.9	820.9	846.7	833.8	786.4	718.3	679.5	708.1	0- 10	739.7	739.7	2.77,2.76
20	755.3	857.3	899.8	879.3	789.9	641.1	550.6	630.9	10- 20	2153	2893	10.8,10.8
30	745.8	900.9	895.2	935.5	793.1	563.8	444.6	547.4	20- 30	3422	6314	23.6,23.6
40	739.1	915.8	637.4	949.2	803.2	483.9	362.9	464.8	30- 40	4414	10729	40.2,40.1
50	741.2	701.4	262.9	732.7	806.4	406.7	300.5	386.8	40- 50	4729	15457	57.9,57.8
60	793.0	320.8	127.7	354.5	890.5	306.0	188.3	306.6	50- 60	4523	19981	74.8,74.7
70	1063	128.2	65.49	126.9	842.2	136.8	70.90	150.2	60- 70	4075	24055	90.1,89.9
80	339.2	40.88	25.55	31.14	292.4	34.55	27.84	44.74	70- 80	2314	26369	98.8,98.5
90	0	0	0	0	0	0	0	0	80- 90	333.7	26703	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	26703	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	26703	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	26703	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	26703	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	26703	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	26703	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	26703	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	26703	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	26703	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

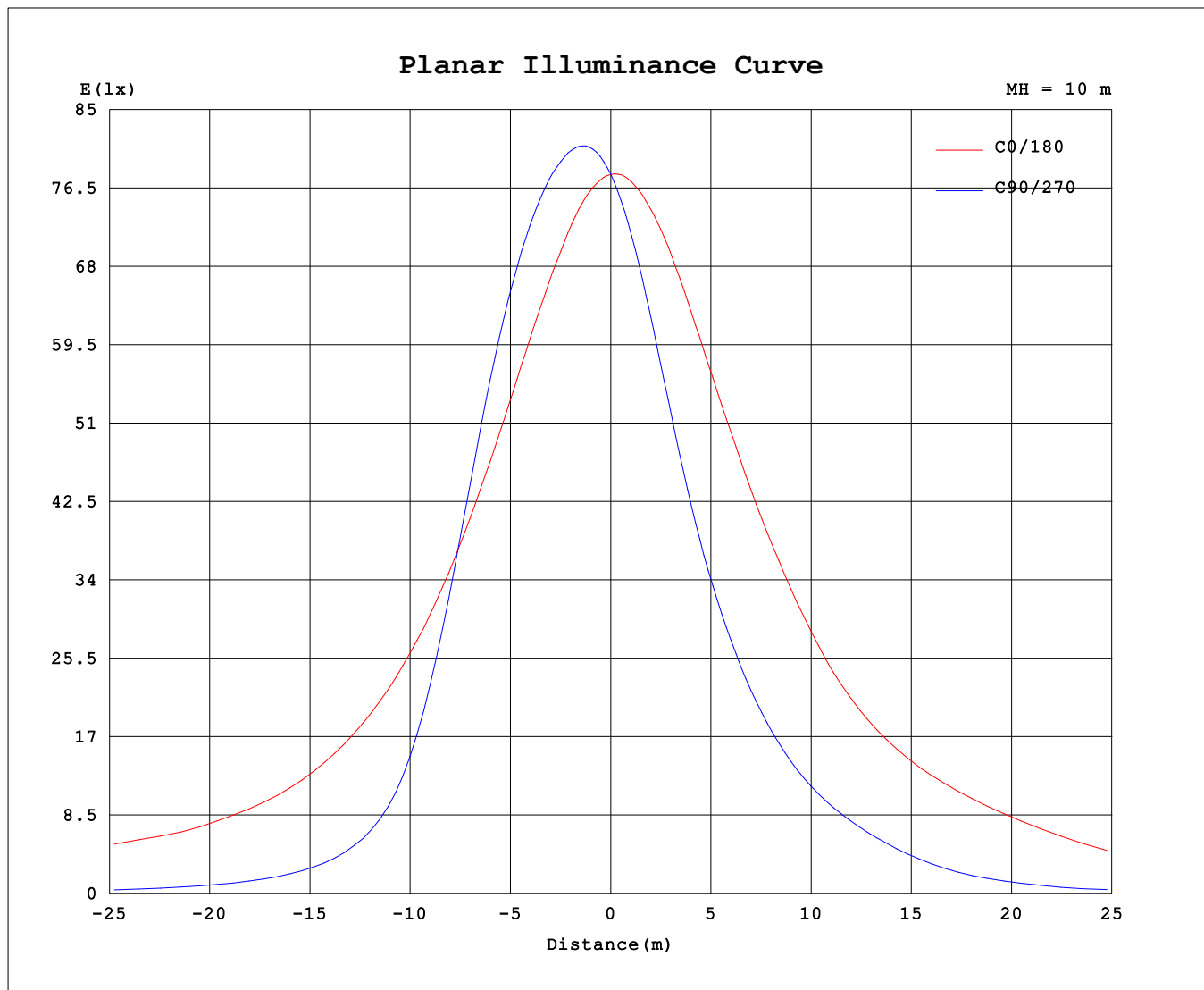
Test:U:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 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



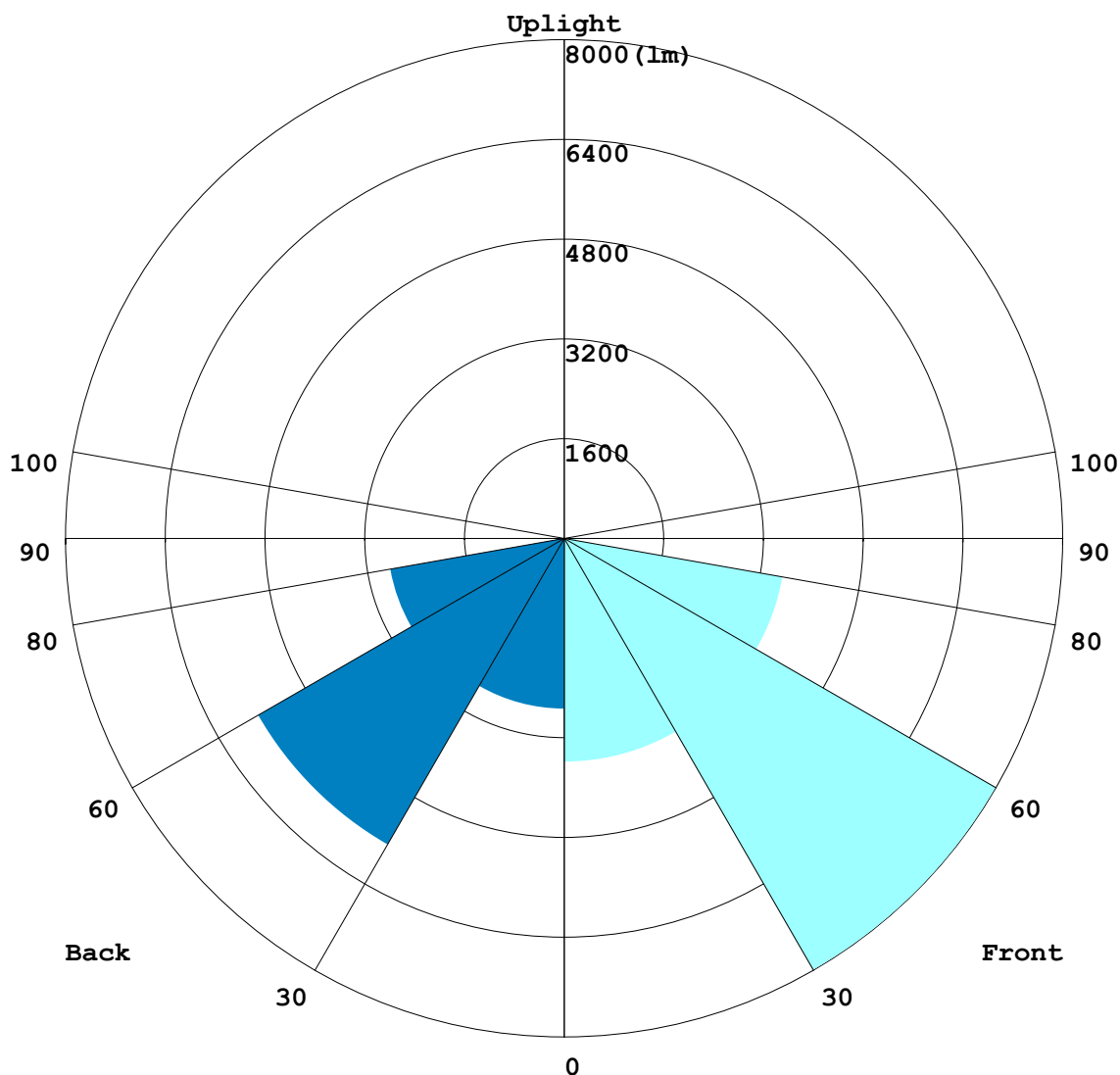
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-12-29

$\gamma$  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:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 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: 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:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 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)	3580.7	13.4
FM - Front-Medium(30-60)	7994.3	29.9
FH - Front-High(60-80)	3555	13.3
FVH - Front-Very High(80-90)	195.65	0.7
Total Forward Light	15326	57.4

BL - Back-Low(0-30)	2733.4	10.2
BM - Back-Medium(30-60)	5672.6	21.2
BH - Back-High(60-80)	2833	10.6
BVH - Back-Very High(80-90)	138.06	0.5
Total Back Light	11377	42.6

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	11377	0	11377
Street Side	15326	0	15326

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

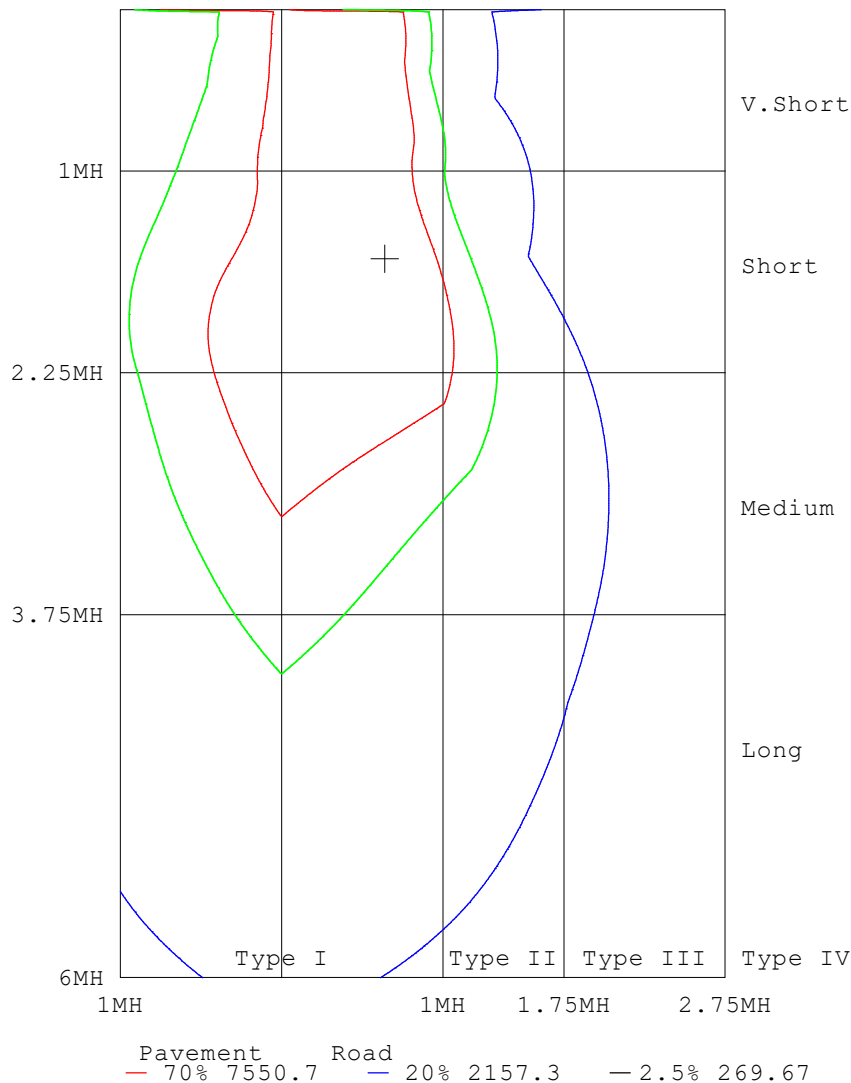
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 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: 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:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.92V I:1.6484A P:195.96W PF:0.9996 Freq:60.01Hz Lamp Flux:26765.2x1 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	780	780	780	780	780	780	780	780	780	780	780	780	780	780	780	780			
5	775	789	802	811	816	815	809	799	784	768	752	740	735	737	745	759			
10	769	796	821	838	847	845	834	815	786	752	718	690	679	686	708	738			
15	761	801	839	864	875	873	856	828	790	738	680	633	616	631	670	718			
20	755	806	857	887	900	899	879	840	790	724	641	574	551	572	631	700			
25	751	813	878	905	913	921	908	853	791	713	603	519	492	515	590	682			
30	746	822	901	905	895	922	936	868	793	703	564	470	445	464	547	666			
35	743	838	919	859	810	872	957	890	797	695	523	425	401	420	506	653			
40	739	864	916	733	637	738	949	922	803	688	484	382	363	379	465	640			
45	738	901	853	527	421	530	880	968	804	676	445	344	329	342	425	625			
50	741	954	701	326	263	332	733	1014	806	659	407	309	301	310	387	613			
55	753	1012	499	210	177	216	539	1061	830	652	364	265	258	271	352	606			
60	793	1053	321	144	128	148	355	1078	891	653	306	200	188	204	307	609			
65	887	1027	202	104	95.7	105	219	983	936	600	223	134	121	137	229	633			
70	1063	866	128	76.2	65.5	74.8	127	700	842	434	137	84.2	70.9	86.6	150	593			
75	853	546	80.6	49.1	41.5	46.7	69.5	342	621	235	76.1	50.7	46.3	53.0	94.1	327			
80	339	232	40.9	27.4	25.6	25.5	31.1	145	292	104	34.6	27.4	27.8	29.9	44.7	117			
85	60.3	65.9	13.4	11.1	11.2	9.17	9.64	30.1	30.4	20.6	7.64	8.05	9.31	10.4	10.7	30.9			
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: 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: