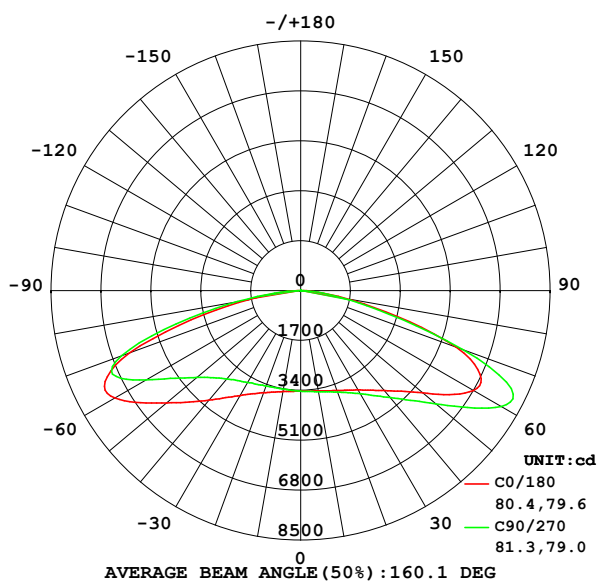
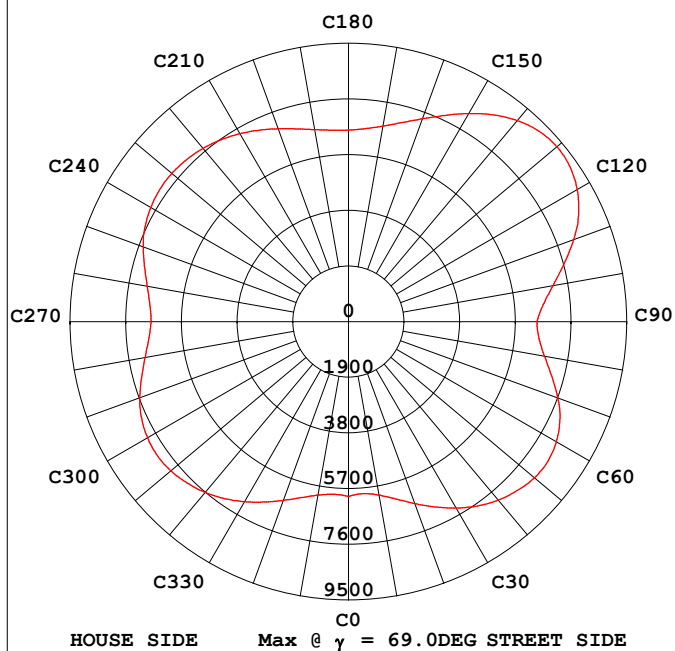


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.60 lm/W			
MODEL	AL-300WS-3CS-T5	I <sub>max</sub> (cd)	9199	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	51.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28878	η house_up (%)	0.0
NOMINAL FLUX (lm)	28943.9	MAXIMUM @ (C, γ )	135,69.0	η house_down (%)	48.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	

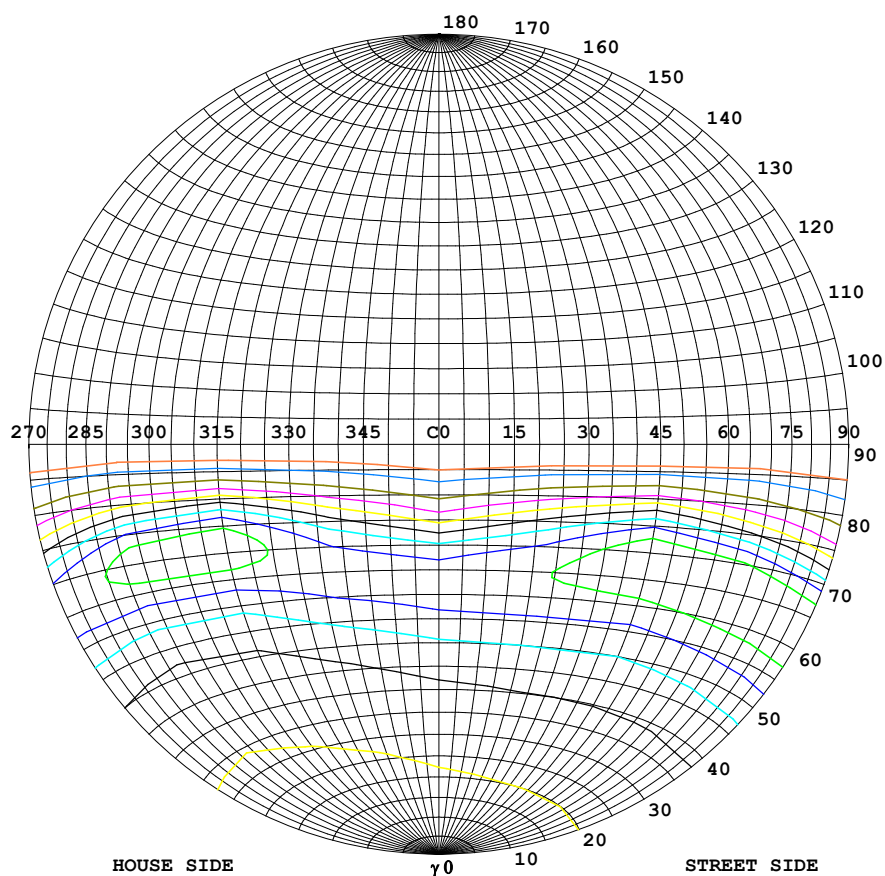
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6℃  
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:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



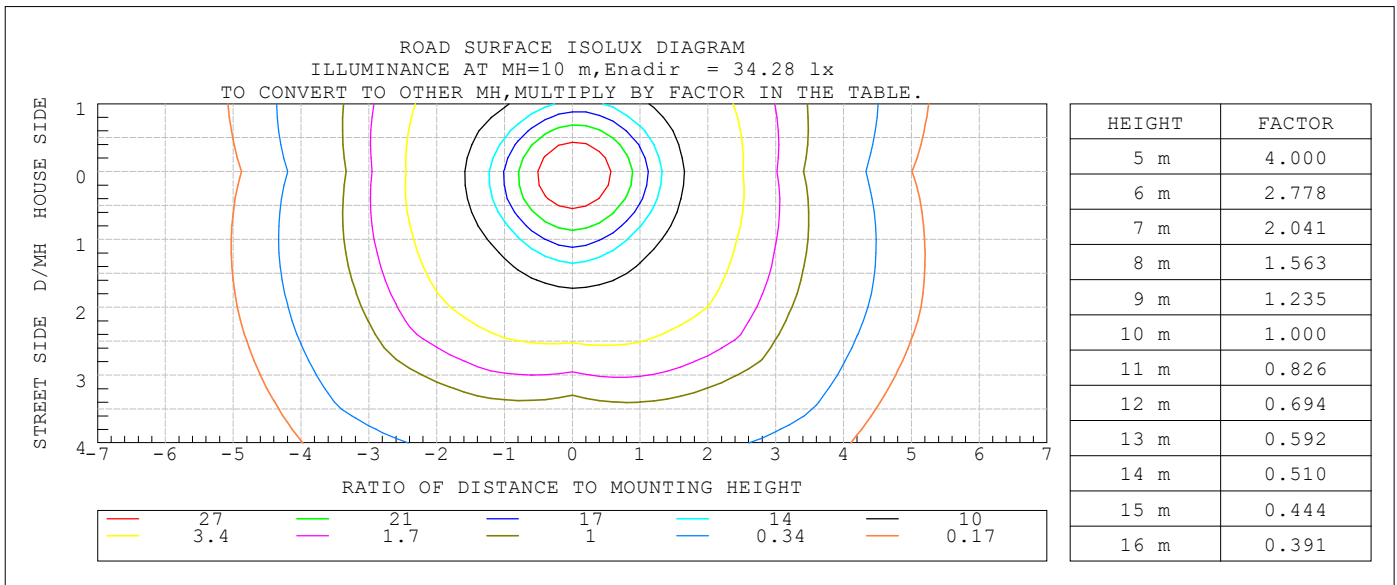
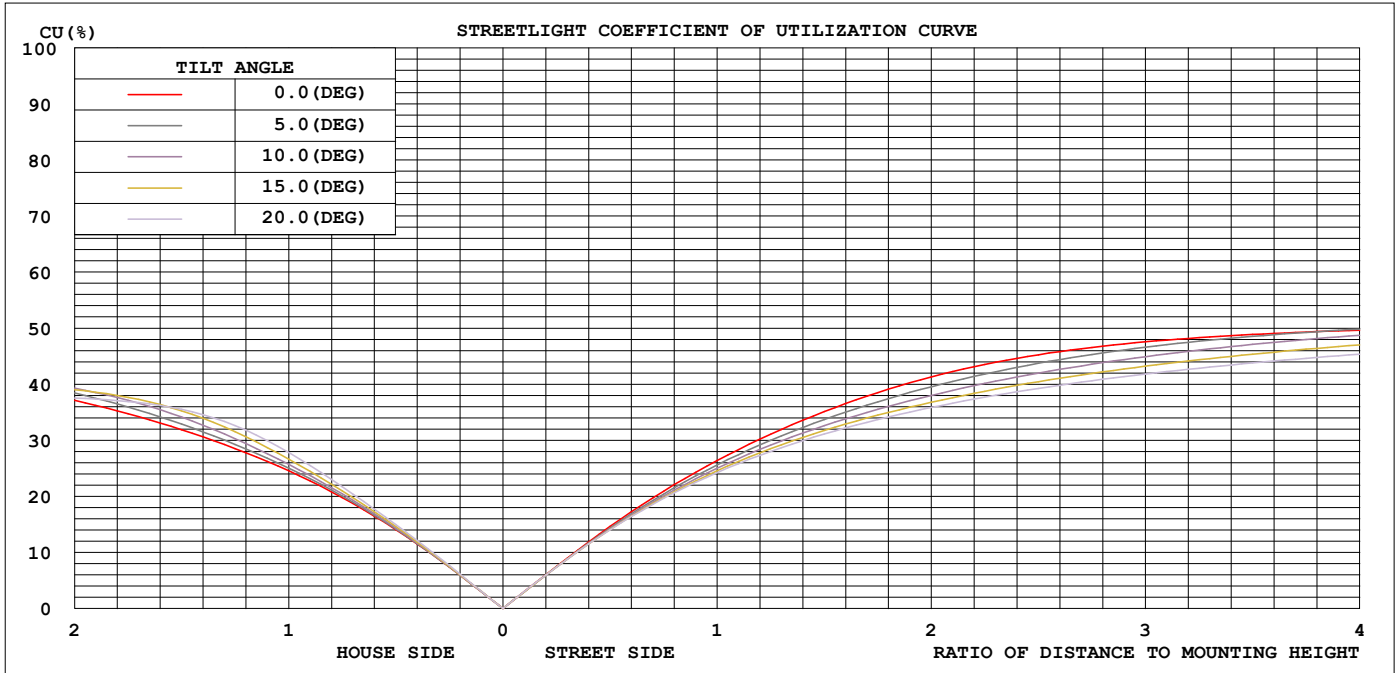
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:160.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:160.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9199
90%	8279
80%	7359
70%	6439
60%	5519
50%	4600
40%	3680
30%	2760
20%	1840
10%	920
5%	460

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6℃  
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: 25.6°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:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

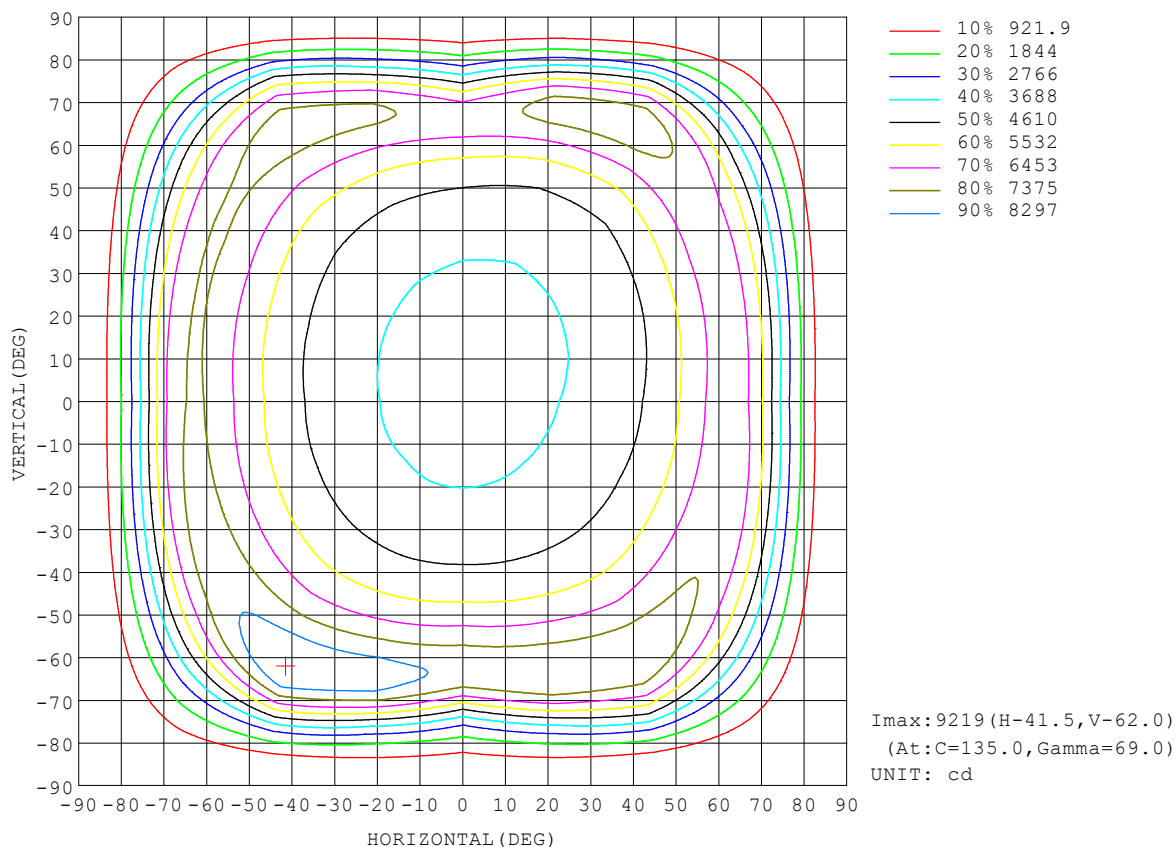
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3472	3496	3498	3503	3496	3450	3410	3424	0- 10	329.2	329.2	1.14,1.14
20	3624	3684	3683	3697	3706	3574	3466	3493	10- 20	1003	1333	4.61,4.6
30	3911	4043	4058	4091	4128	3845	3618	3648	20- 30	1740	3073	10.6,10.6
40	4452	4623	4765	4748	4875	4319	3937	3944	30- 40	2624	5697	19.7,19.7
50	5424	5524	6004	5719	5957	5069	4610	4482	40- 50	3776	9472	32.8,32.7
60	6803	7101	7892	7471	7315	6388	6092	5771	50- 60	5466	14939	51.7,51.6
70	5631	8058	5871	9177	6201	7890	6488	7917	60- 70	7313	22251	77.1,76.9
80	1582	3155	1397	3434	1828	4638	2194	4171	70- 80	5526	27778	96.2,96
90	0	0	0	0	0	0	0	0	80- 90	1100	28878	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28878	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28878	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28878	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28878	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28878	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28878	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28878	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28878	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28878	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6℃  
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

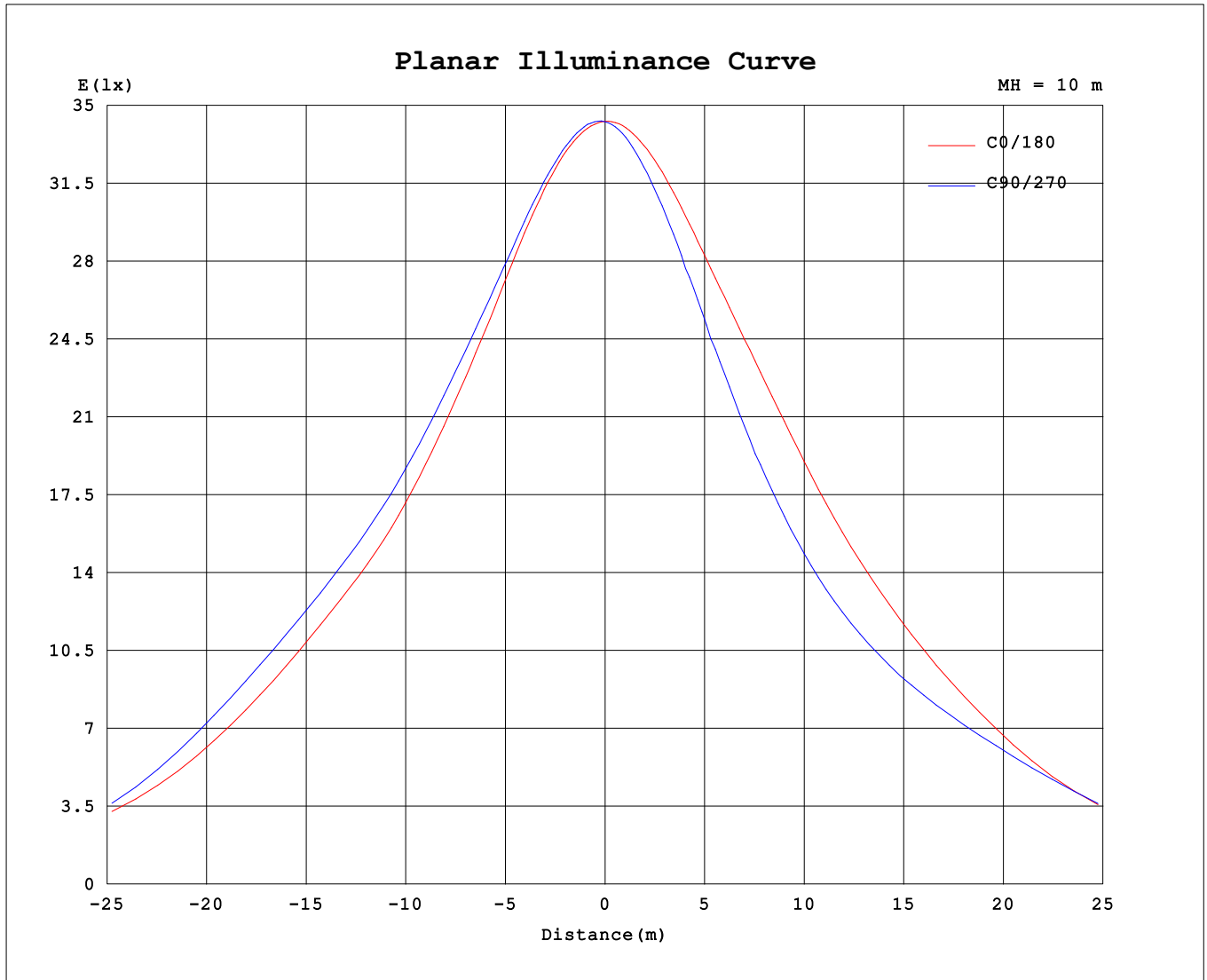
Test:U:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6°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



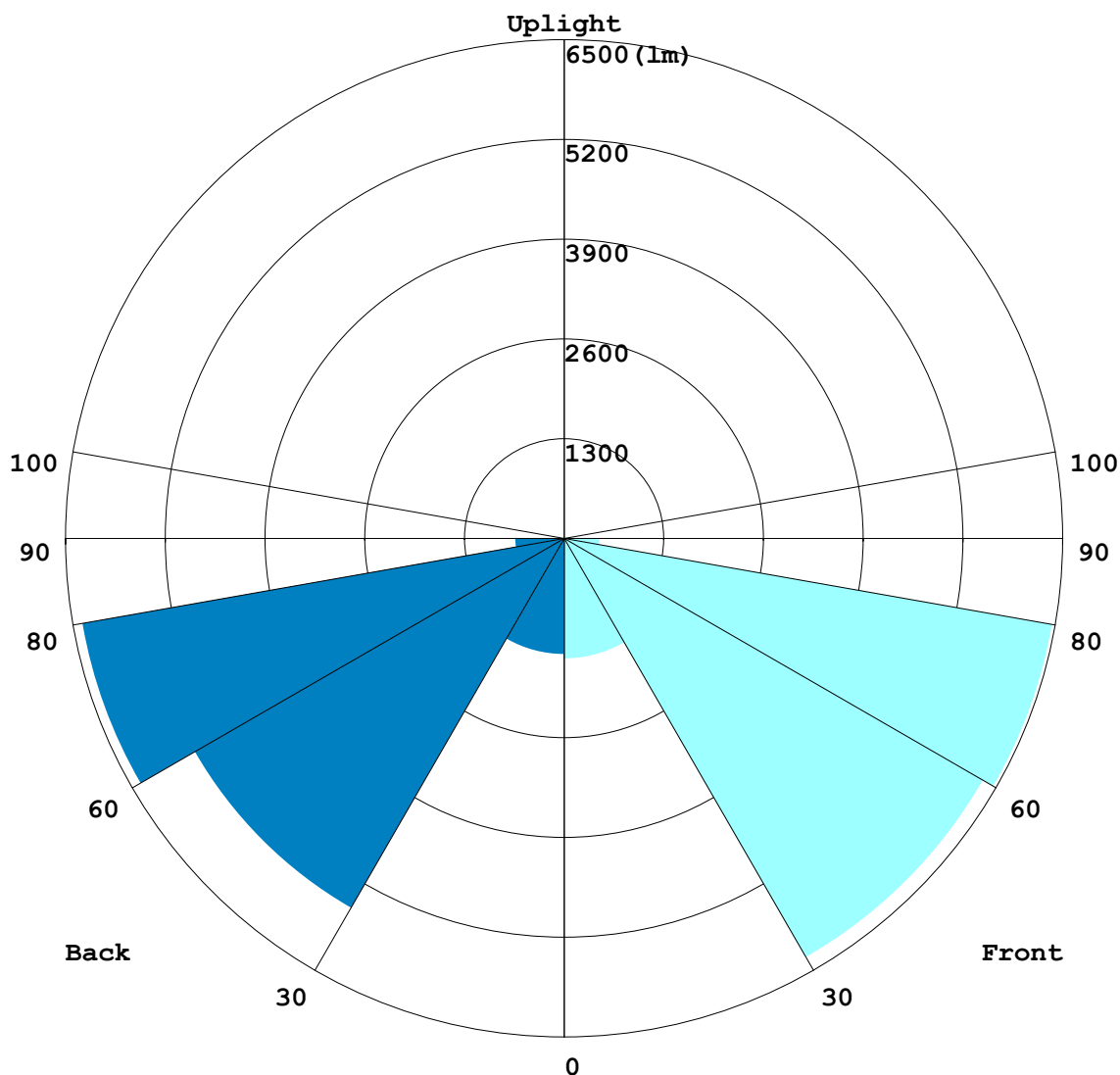
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6℃  
 Operators:DAMIN  
 Test Date:2024-12-25

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:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 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: 25.6℃  
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:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 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)	1565.8	5.4
FM - Front-Medium(30-60)	6305.8	21.8
FH - Front-High(60-80)	6460.2	22.4
FVH - Front-Very High(80-90)	463.56	1.6
Total Forward Light	14795	51.2

BL - Back-Low(0-30)	1507.2	5.2
BM - Back-Medium(30-60)	5560.1	19.3
BH - Back-High(60-80)	6378.6	22.1
BVH - Back-Very High(80-90)	636.36	2.2
Total Back Light	14082	48.8

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	14082	0	14082
Street Side	14795	0	14795

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.6℃  
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:



Test:U:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamllite lighting	SUR.:	Shielding Angle:

```

γ Range: 0 - 180 DEG
γ Interval: 1.0 DEG
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:119.02V I:1.5814A P:188.01W PF:0.9988 Freq:60.01Hz Lamp Flux:28943.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

Table--1

UNIT: cd

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	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428	3428			
5	3436	3446	3450	3454	3455	3456	3455	3454	3448	3442	3429	3421	3414	3415	3419	3429			
10	3472	3490	3496	3496	3498	3502	3503	3507	3496	3475	3450	3425	3410	3410	3424	3451			
15	3534	3561	3569	3573	3573	3573	3579	3590	3582	3548	3497	3452	3427	3423	3445	3495			
20	3624	3668	3684	3683	3683	3684	3697	3715	3706	3653	3574	3507	3466	3461	3493	3561			
25	3749	3814	3841	3838	3836	3842	3865	3890	3881	3799	3691	3585	3529	3518	3559	3650			
30	3911	4008	4043	4054	4058	4059	4091	4138	4128	4007	3845	3702	3618	3593	3648	3777			
35	4146	4265	4303	4341	4365	4356	4383	4459	4456	4286	4054	3864	3749	3710	3776	3955			
40	4452	4584	4623	4702	4765	4737	4748	4865	4875	4639	4319	4080	3937	3864	3944	4191			
45	4851	4986	5006	5161	5287	5209	5176	5345	5371	5076	4646	4371	4203	4082	4166	4510			
50	5424	5538	5524	5792	6004	5857	5719	5922	5957	5605	5069	4777	4610	4410	4482	4972			
55	6182	6276	6226	6633	6944	6761	6468	6623	6661	6263	5648	5370	5219	4948	4980	5679			
60	6803	7002	7101	7598	7892	7894	7471	7415	7315	6987	6388	6184	6092	5798	5771	6477			
65	6744	7312	7930	8226	7913	8780	8646	7945	7347	7453	7259	7128	6932	6963	6900	6941			
70	5631	6560	8058	7489	5871	8106	9177	7330	6201	6929	7890	7537	6488	7742	7917	6472			
75	3411	4854	6331	4773	3116	5061	7232	5532	3862	5466	7167	6032	4389	6498	7190	4922			
80	1582	2436	3155	2205	1397	2208	3434	2910	1828	3205	4638	3233	2194	3457	4171	2638			
85	446	659	731	661	458	665	803	833	596	1058	1358	1035	681	1041	1092	841			
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: 25.6℃  
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: