

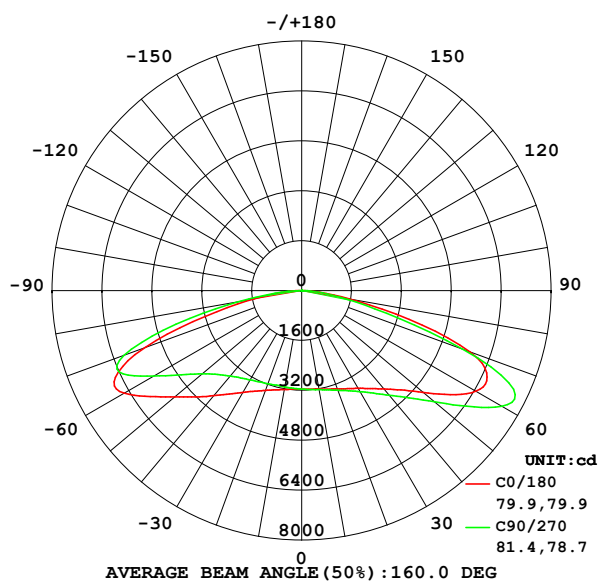
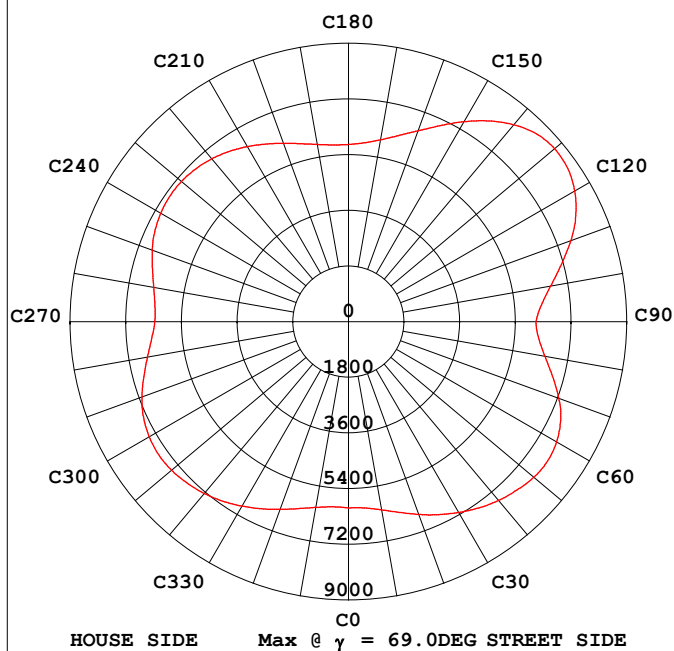
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz

Lamp Flux:26712.7x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 135.35 lm/W
MODEL	AL-300WS-3CS-T5	I <sub>max</sub> (cd)	8595	η street_up (%)	0.0	
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	51.5	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	26652	η house_up (%)	0.0	
NOMINAL FLUX (lm)	26712.7	MAXIMUM @ (C, γ )	135,69.0	η house_down (%)	48.3	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)		
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI		

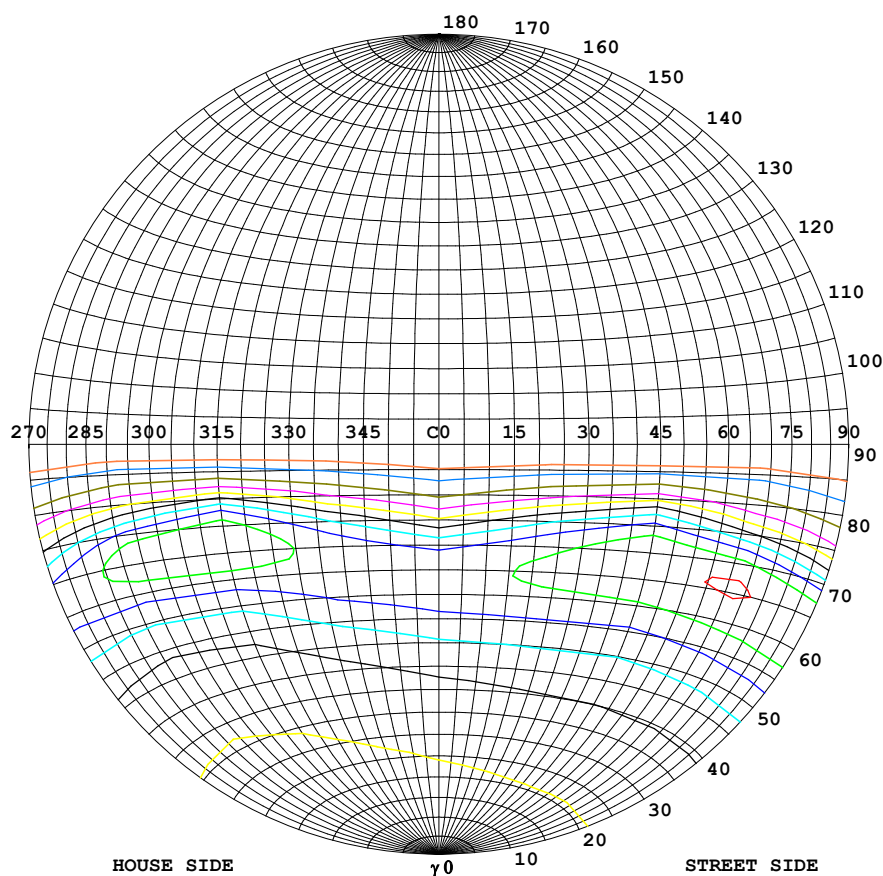
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5℃  
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:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



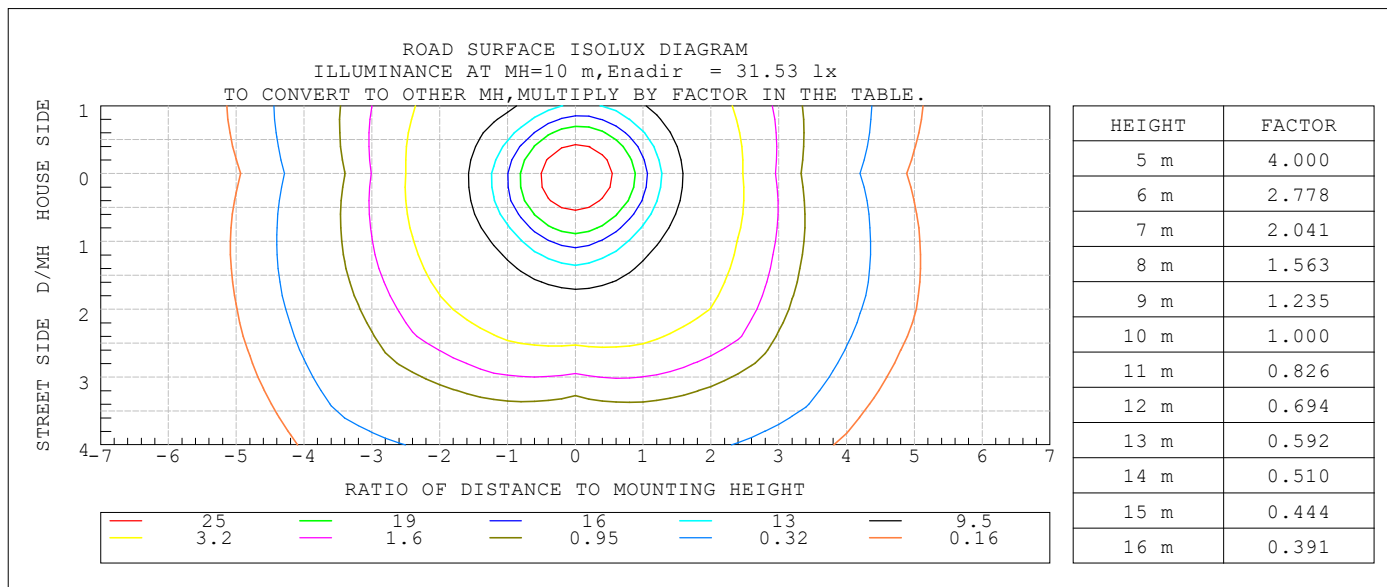
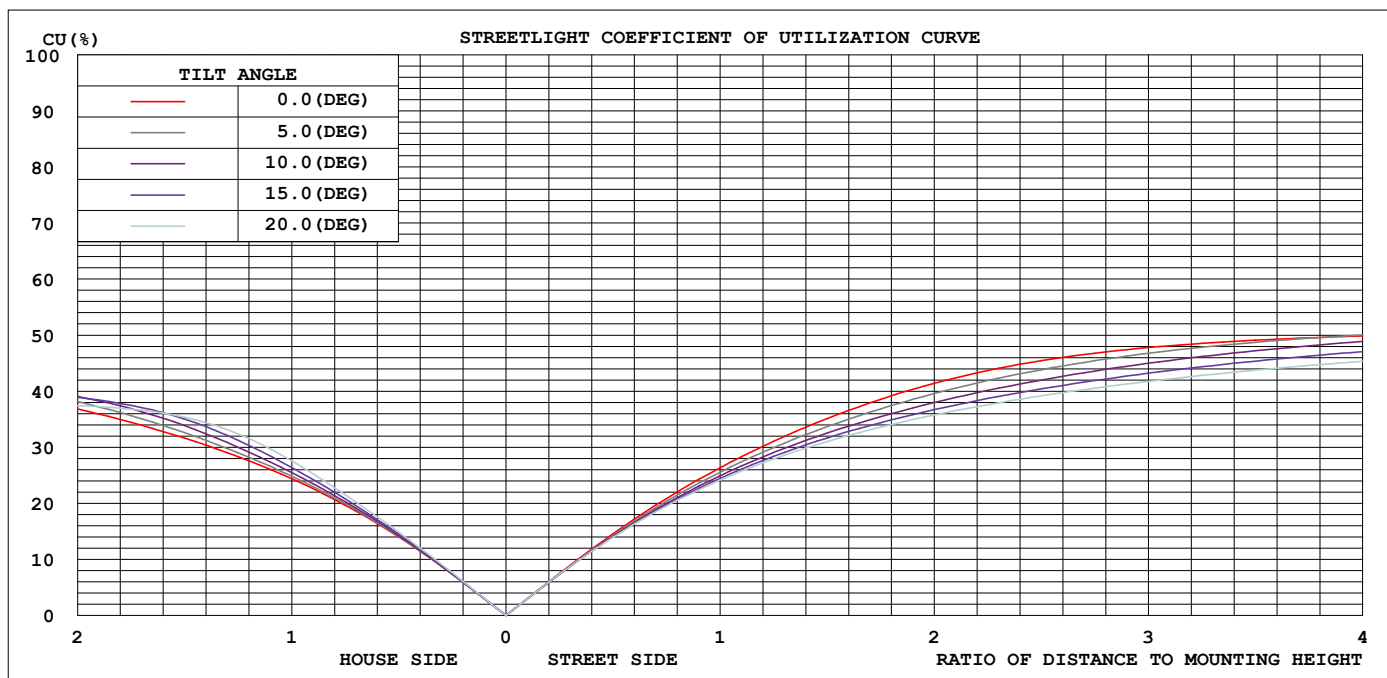
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:166.5cd/klm  
Max.At90:0cd/klm  
Max.80-90:166.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8595
90%	7735
80%	6876
70%	6016
60%	5157
50%	4297
40%	3438
30%	2578
20%	1719
10%	859
5%	430

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5℃  
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: 25.5℃  
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:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

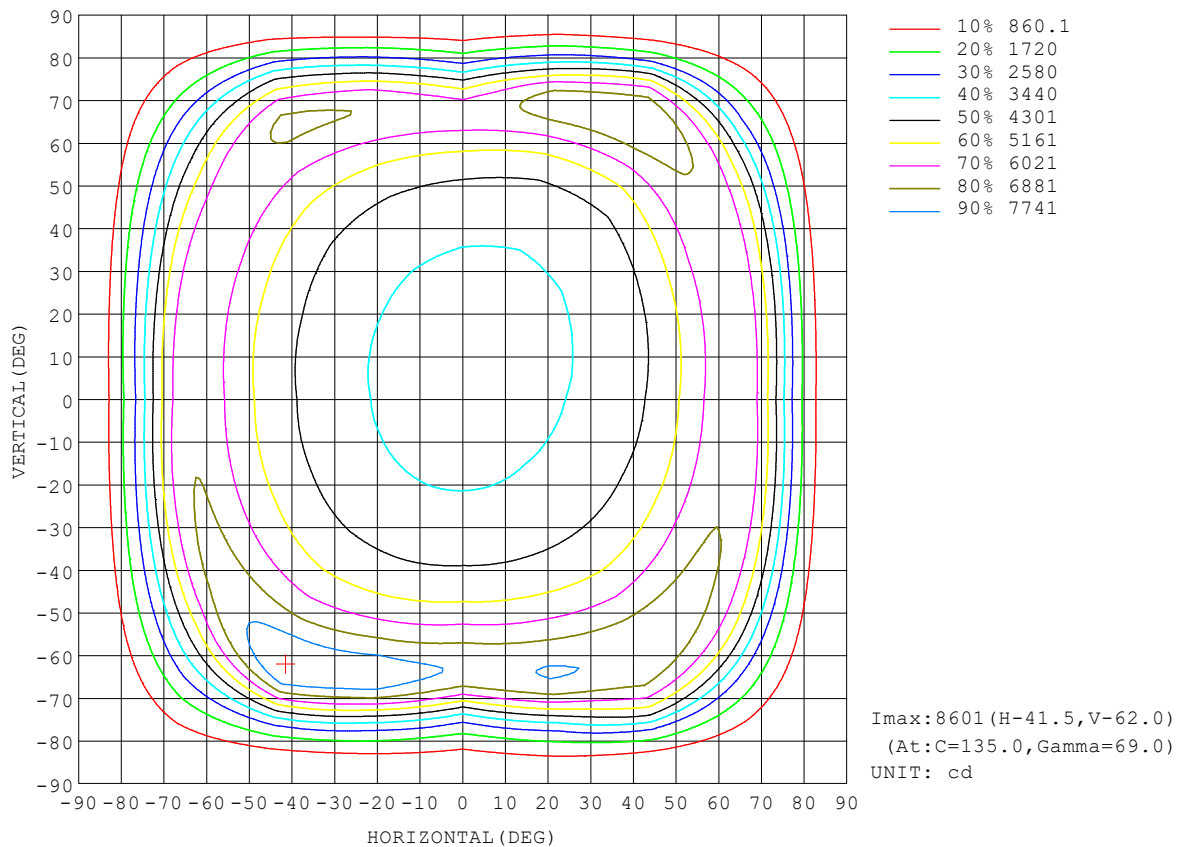
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3206	3233	3224	3231	3223	3175	3139	3159	0- 10	303.6	303.6	1.14,1.14
20	3358	3418	3403	3405	3407	3285	3181	3219	10- 20	925.0	1229	4.61,4.6
30	3620	3755	3744	3736	3771	3520	3308	3353	20- 30	1602	2830	10.6,10.6
40	4120	4294	4380	4307	4403	3926	3579	3606	30- 40	2404	5234	19.6,19.6
50	5081	5181	5547	5178	5303	4594	4161	4090	40- 50	3451	8685	32.6,32.5
60	6454	6749	7417	6766	6576	5721	5491	5352	50- 60	5013	13698	51.4,51.3
70	5731	7616	5492	8587	5336	7063	6061	7534	60- 70	6786	20484	76.9,76.7
80	1558	3221	1232	2707	1561	3856	2075	4448	70- 80	5158	25642	96.2,96
90	0	0	0	0	0	0	0	0	80- 90	1009	26652	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	26652	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	26652	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	26652	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	26652	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	26652	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	26652	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	26652	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	26652	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	26652	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5℃  
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

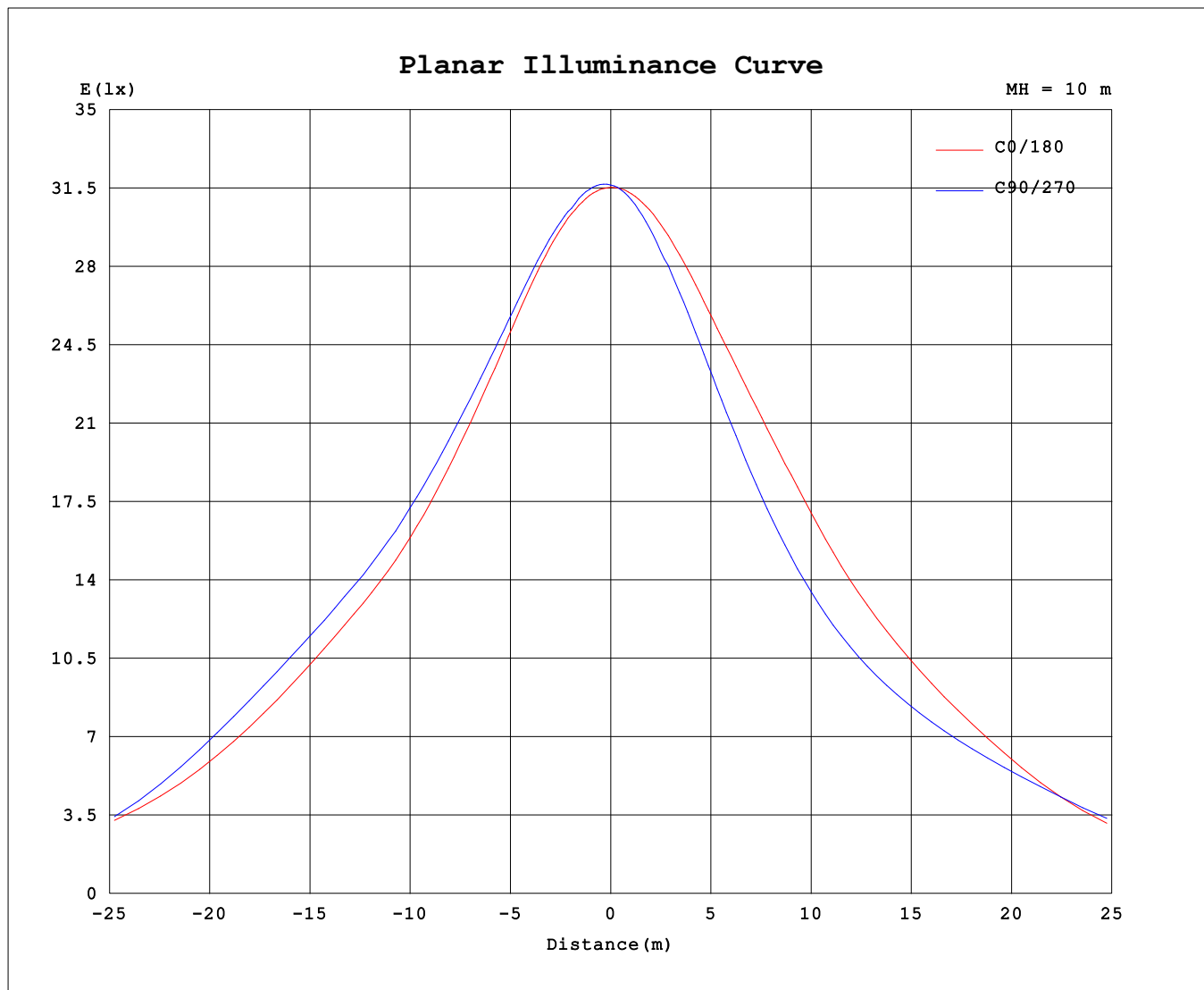
Test:U:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5℃  
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



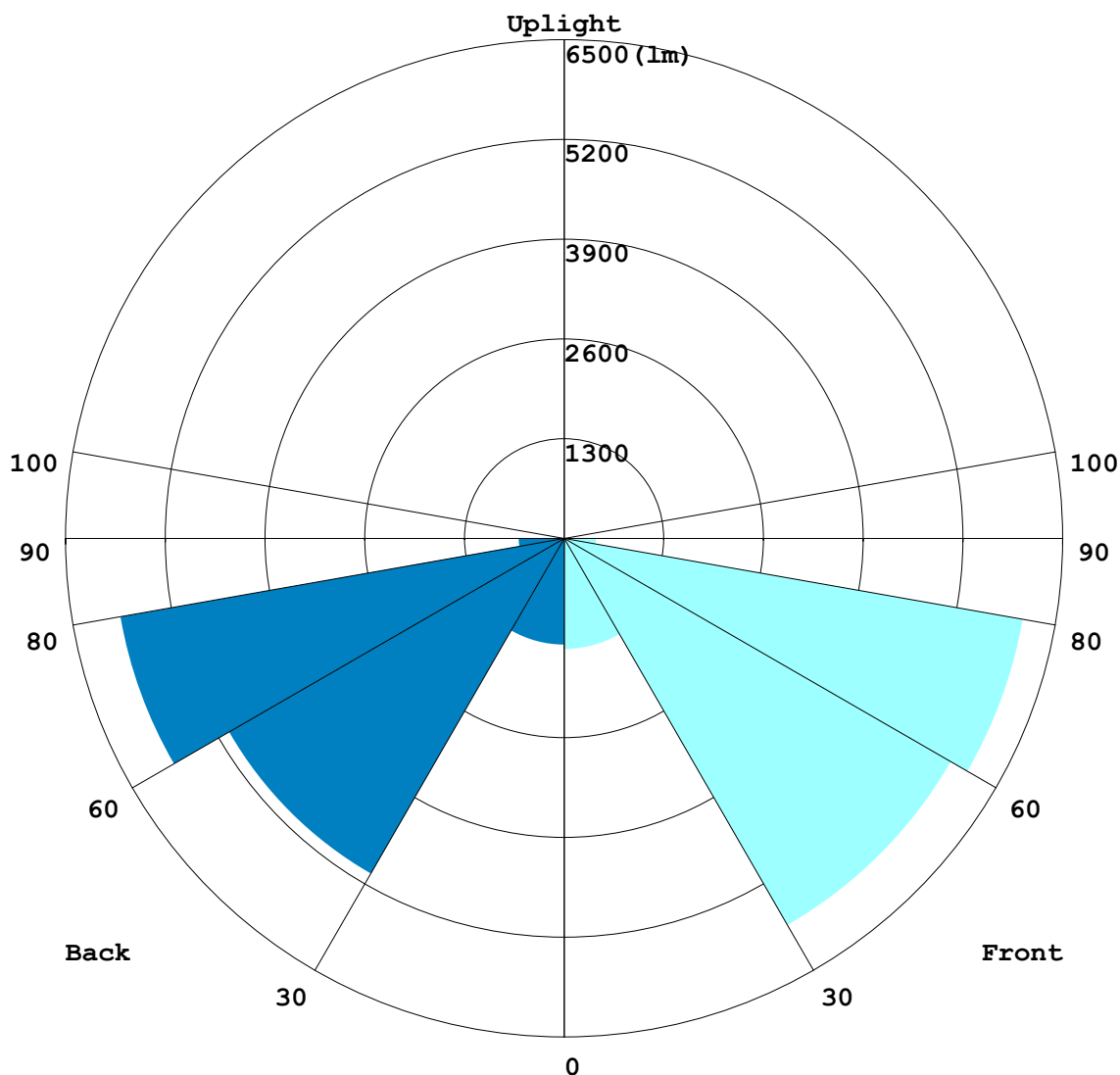
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5°C  
Operators:DAMIN  
Test Date:2024-12-25

$\gamma$  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:

**LCS REPORT**

Test:U:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 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: HIGH  
Temperature: 25.5℃  
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:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 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)	1445.1	5.4
FM - Front-Medium(30-60)	5821.8	21.8
FH - Front-High(60-80)	6070.1	22.8
FVH - Front-Very High(80-90)	416.28	1.6
Total Forward Light	13753	51.6

BL - Back-Low(0-30)	1385	5.2
BM - Back-Medium(30-60)	5046.1	18.9
BH - Back-High(60-80)	5874.4	22.0
BVH - Back-Very High(80-90)	593.1	2.2
Total Back Light	12899	48.4

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	12899	0	12899
Street Side	13753	0	13753

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

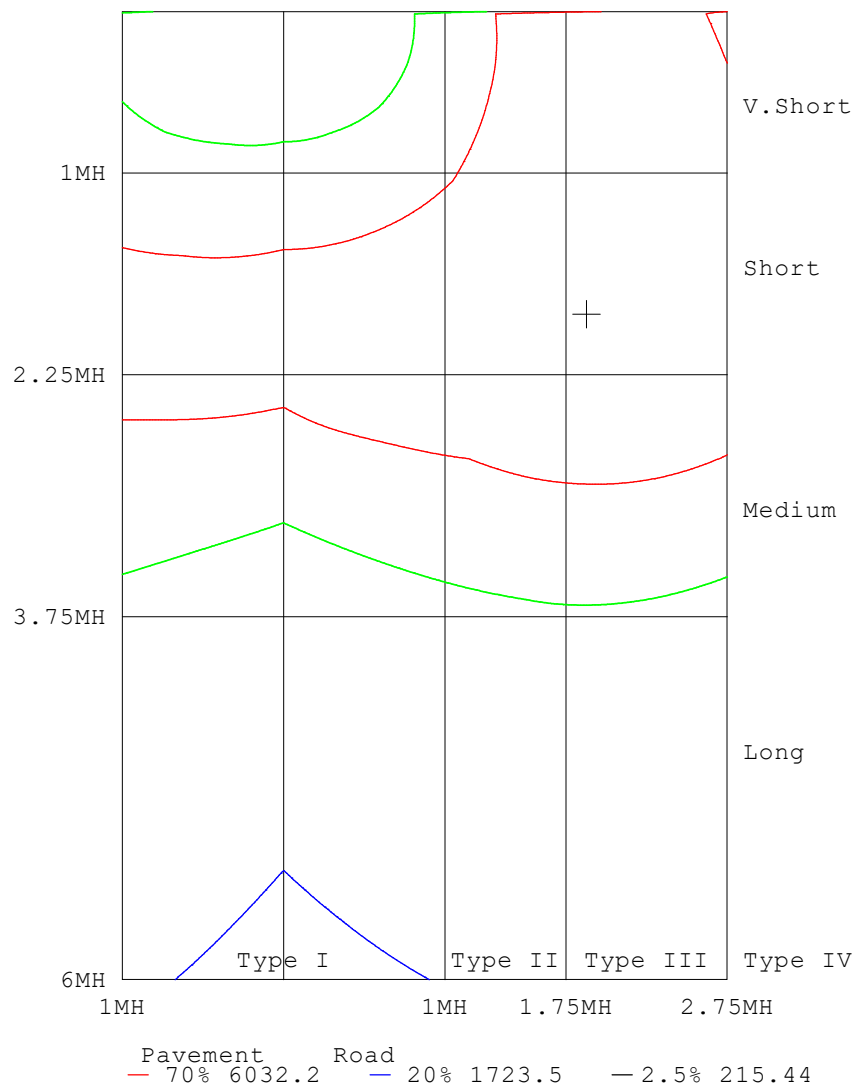
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 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: HIGH  
Temperature: 25.5℃  
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:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.05V I:1.6548A P:196.91W PF:0.9995 Freq:60.01Hz Lamp Flux:26712.7x1 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	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162	3162			
5	3173	3180	3186	3189	3189	3189	3185	3182	3178	3169	3158	3151	3147	3148	3153	3162			
10	3206	3224	3233	3232	3224	3230	3231	3226	3223	3201	3175	3151	3139	3139	3159	3182			
15	3271	3295	3305	3305	3299	3297	3300	3301	3299	3260	3215	3172	3143	3149	3178	3225			
20	3358	3397	3418	3409	3403	3398	3405	3408	3407	3354	3285	3215	3181	3178	3219	3285			
25	3474	3533	3567	3554	3546	3538	3546	3557	3560	3481	3387	3284	3233	3229	3276	3363			
30	3620	3714	3755	3753	3744	3726	3736	3767	3771	3660	3520	3386	3308	3292	3353	3481			
35	3837	3954	3991	4014	4017	3980	3992	4040	4051	3898	3699	3526	3420	3388	3464	3634			
40	4120	4240	4294	4348	4380	4322	4307	4377	4403	4202	3926	3710	3579	3519	3606	3856			
45	4509	4647	4674	4785	4869	4756	4689	4798	4822	4580	4216	3968	3809	3705	3804	4160			
50	5081	5199	5181	5396	5547	5358	5178	5283	5303	5015	4594	4323	4161	3989	4090	4612			
55	5822	5940	5885	6221	6458	6215	5859	5896	5926	5577	5100	4849	4711	4464	4565	5301			
60	6454	6662	6749	7158	7417	7324	6766	6644	6576	6232	5721	5570	5491	5252	5352	6081			
65	6558	7013	7523	7792	7496	8221	7948	7205	6597	6669	6477	6400	6323	6378	6470	6637			
70	5731	6599	7616	7120	5492	7557	8587	6508	5336	6029	7063	6825	6061	7324	7534	6499			
75	3575	5066	6263	4454	2825	4521	6468	4635	3216	4563	6305	5472	4177	6315	7274	5174			
80	1558	2391	3221	2043	1232	1993	2707	2501	1561	2741	3856	3002	2075	3316	4448	2607			
85	455	662	711	658	400	493	636	717	516	949	1179	904	649	1114	1104	812			
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: 25.5℃  
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: