

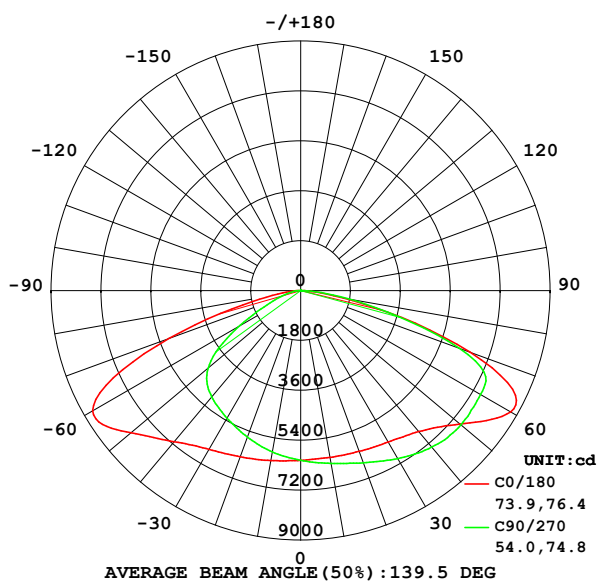
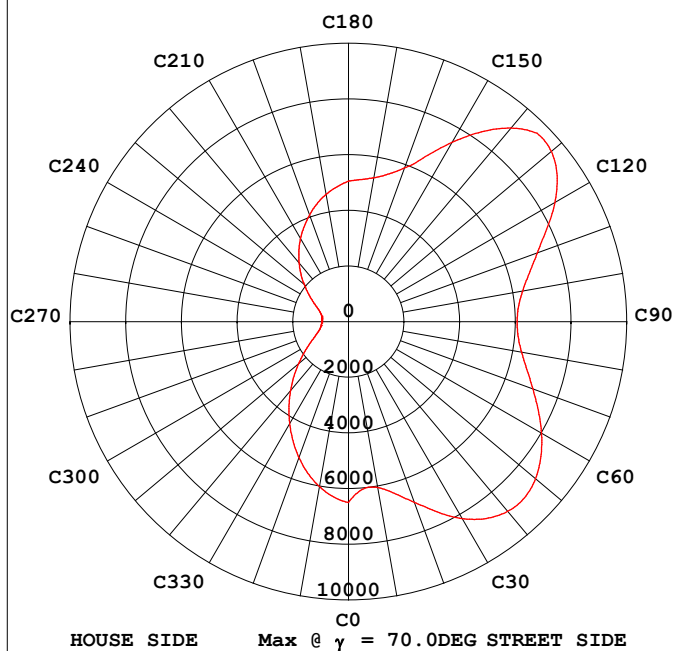
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz

Lamp Flux:30932.4x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 132.86 lm/W
MODEL	AL-240WS-3CS-T4	I <sub>max</sub> (cd)	9575	η street_up (%)	0.0	
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	60.2	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30864	η house_up (%)	0.0	
NOMINAL FLUX (lm)	30932.4	MAXIMUM @ (C, γ )	135,70.0	η house_down (%)	39.6	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.189	

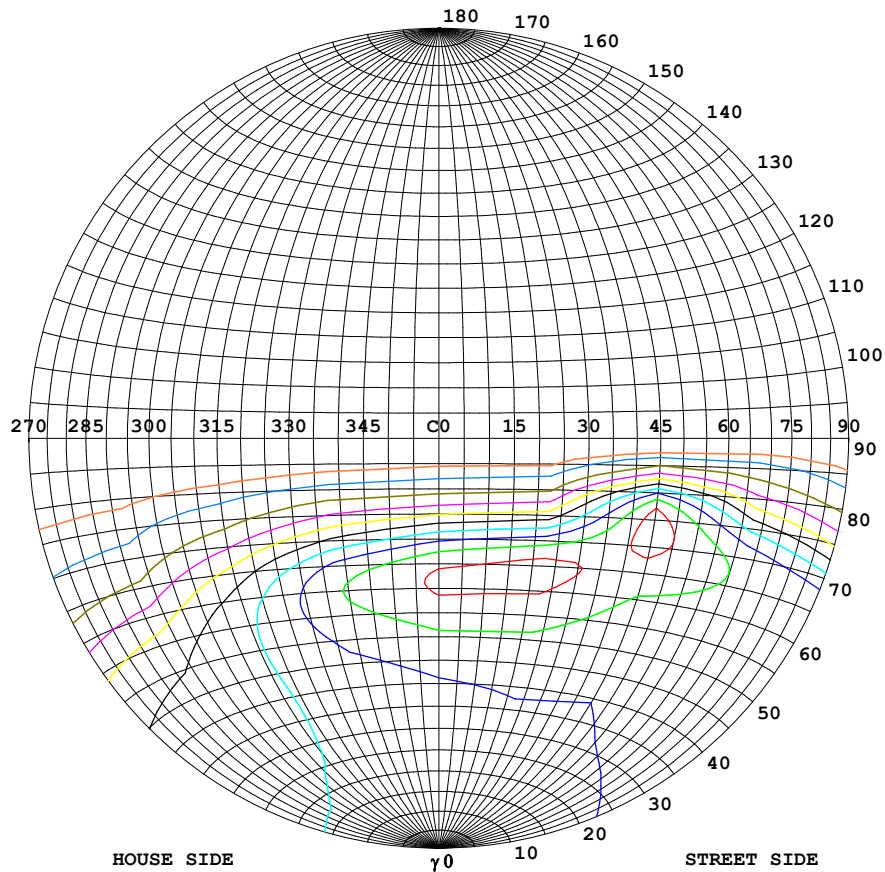
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8 °C  
Operators:DAMIN  
Test Date:2024-12-22

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:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



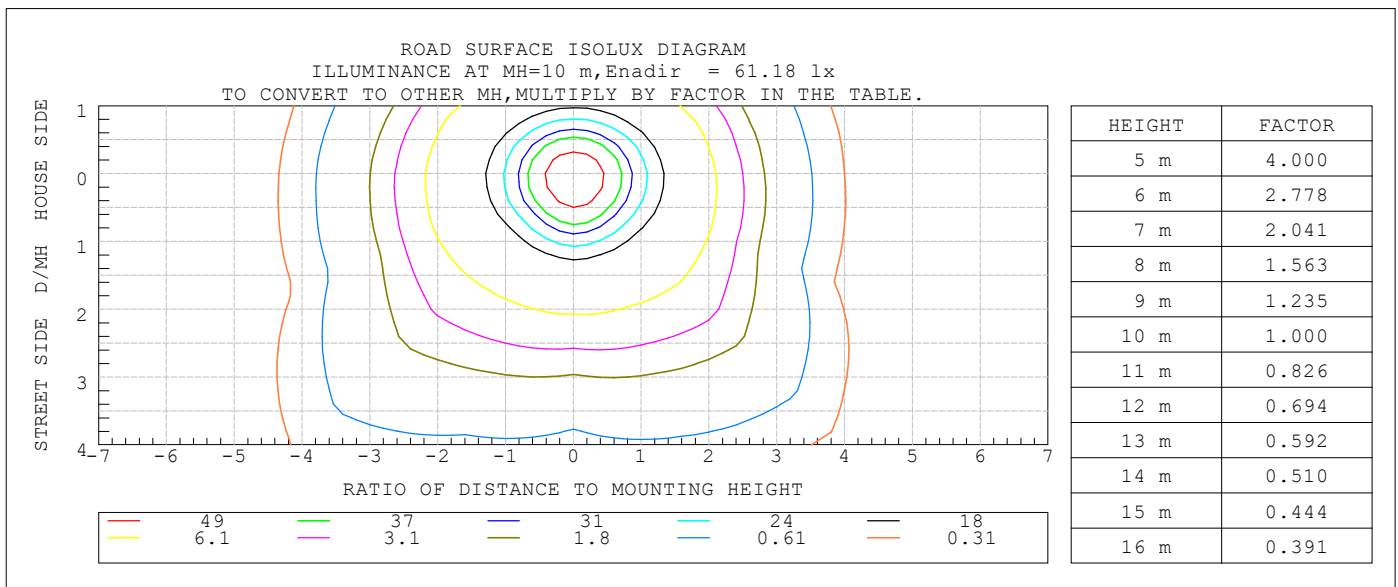
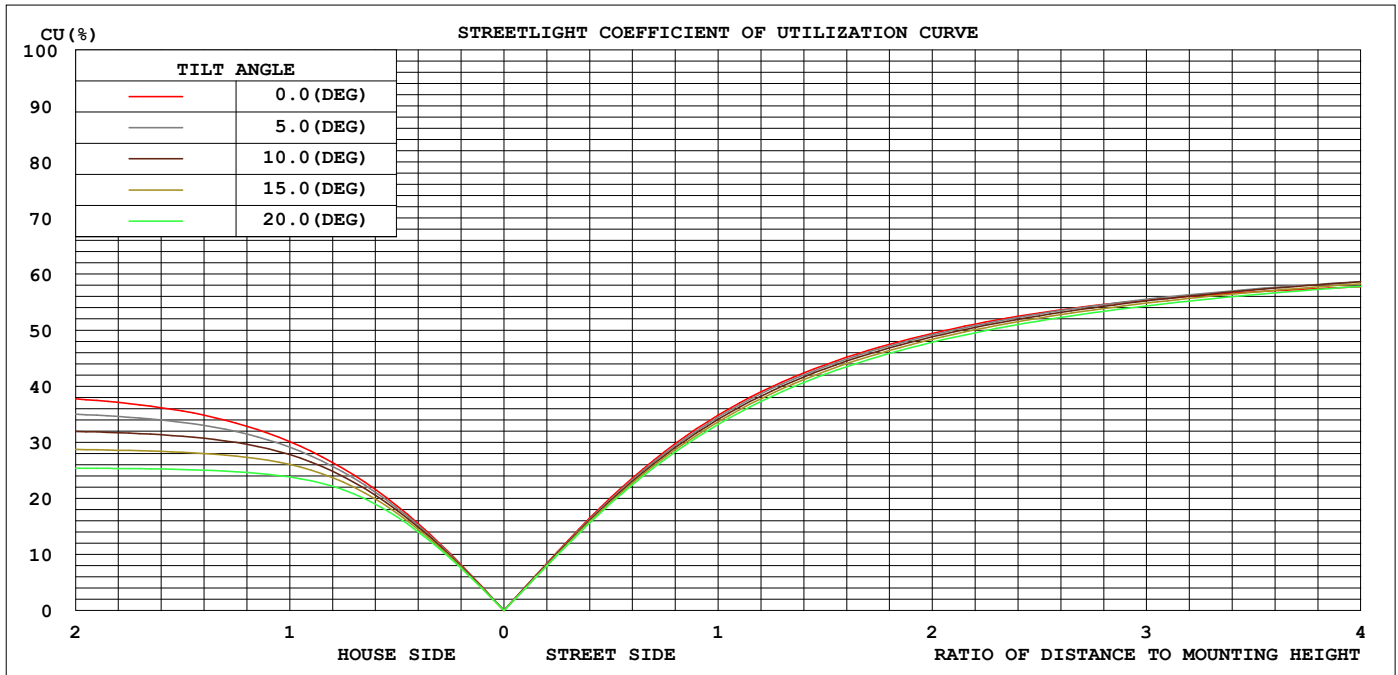
## Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:215.1cd/klm  
Max.At90:0cd/klm  
Max.80-90:215.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9575
90%	8618
80%	7660
70%	6703
60%	5745
50%	4788
40%	3830
30%	2873
20%	1915
10%	958
5%	479

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

$\gamma$  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:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

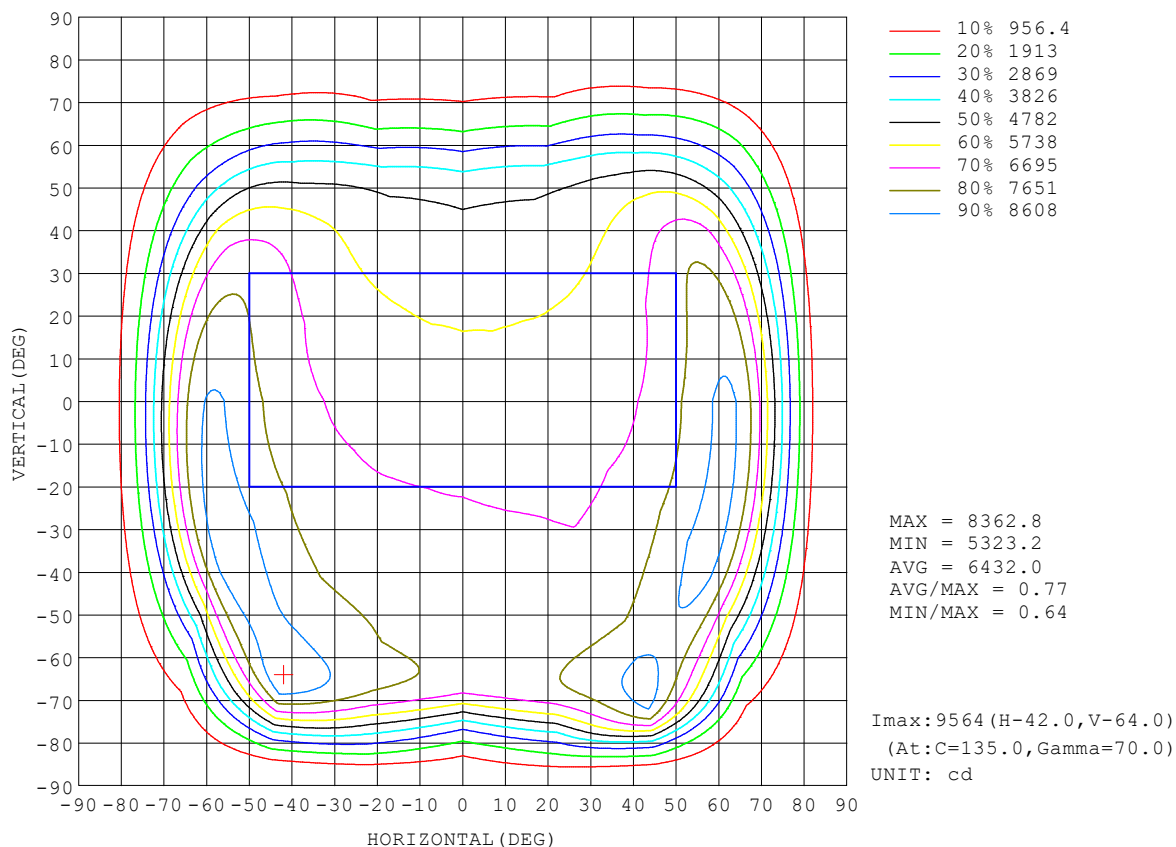
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6109	6232	6330	6333	6225	6033	5911	5966	0- 10	585.3	585.3	1.9,1.89
20	6172	6400	6612	6580	6379	5951	5629	5841	10- 20	1748	2334	7.56,7.54
30	6304	6567	6996	6845	6611	5861	5322	5721	20- 30	2886	5220	16.9,16.9
40	6639	6720	7361	7150	7112	5852	5004	5661	30- 40	3994	9214	29.9,29.8
50	7496	7005	7545	7590	7986	5852	4367	5678	40- 50	5100	14314	46.4,46.3
60	8750	7595	7498	8289	8664	4834	2536	5159	50- 60	6077	20391	66.1,65.9
70	6503	8948	6067	9575	5054	2422	974.5	2777	60- 70	6070	26461	85.7,85.5
80	1560	6652	1773	4650	1053	520.2	337.0	651.5	70- 80	3679	30141	97.7,97.4
90	0	0	0	0	0	0	0	0	80- 90	723.0	30864	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	30864	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	30864	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	30864	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	30864	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	30864	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	30864	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	30864	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	30864	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	30864	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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

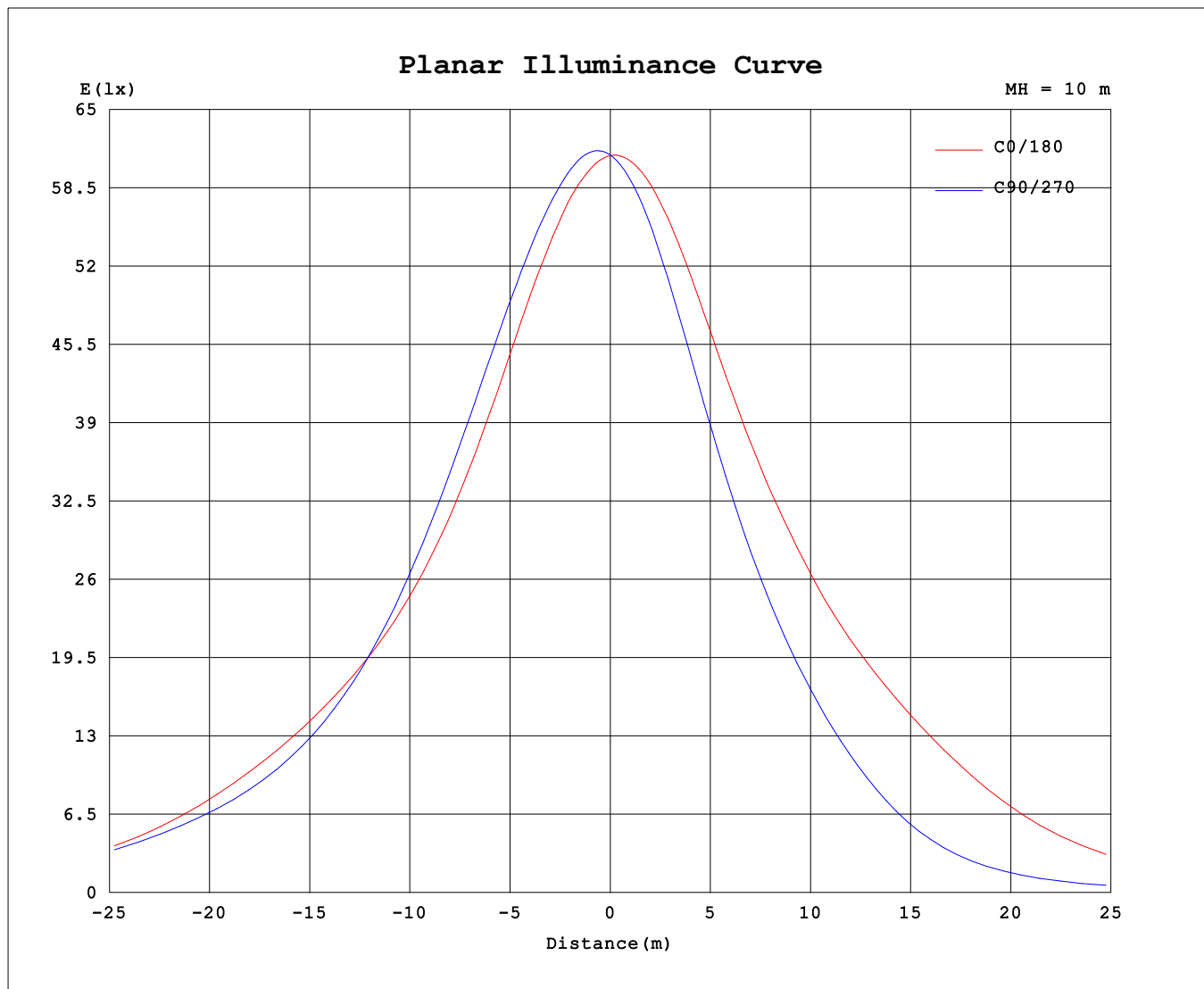
Test:U:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators: DAMIN  
Test Date: 2024-12-22

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



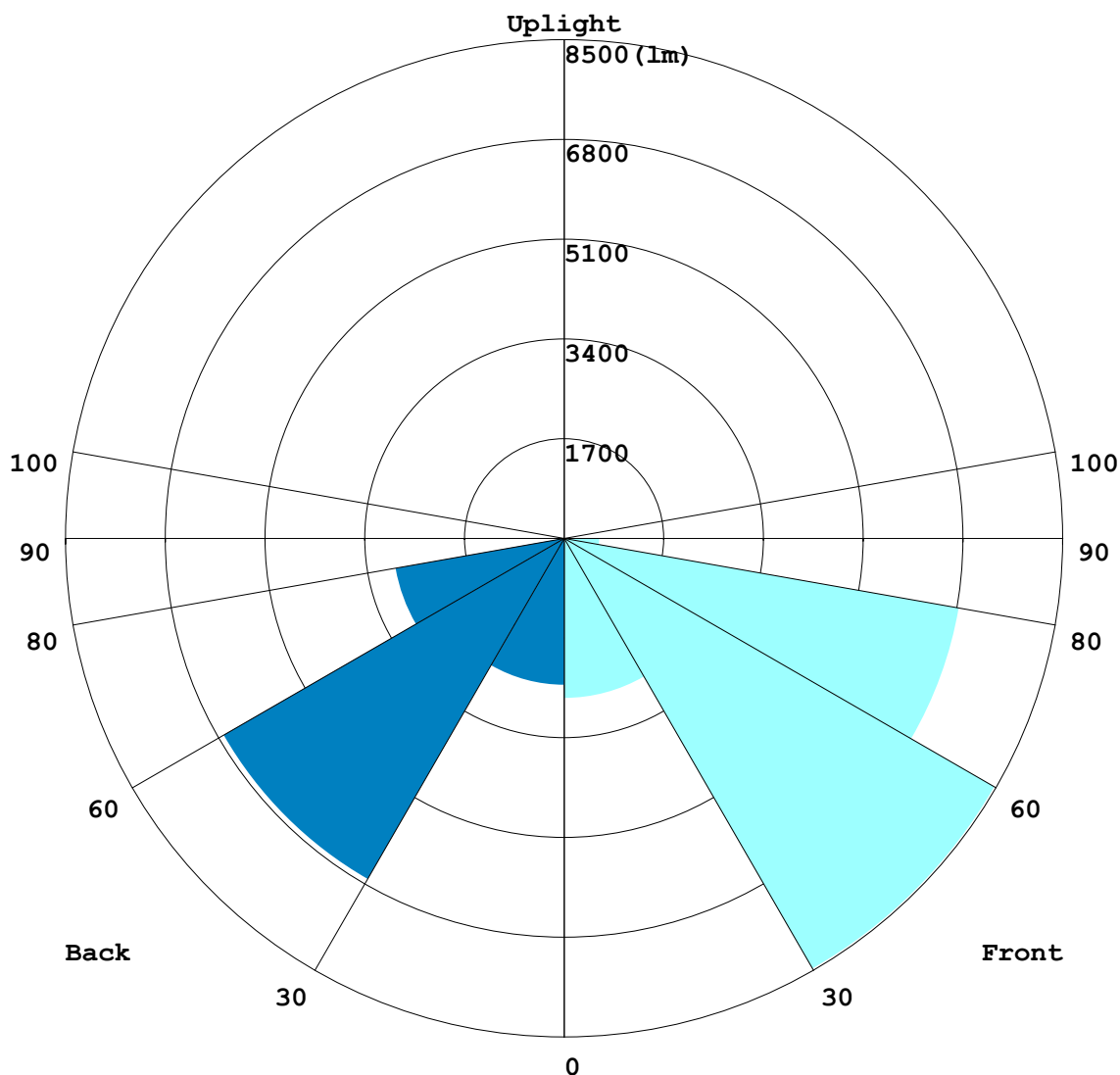
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.8℃  
 Operators:DAMIN  
 Test Date:2024-12-22

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:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 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: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 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)	2723.7	8.8
FM - Front-Medium(30-60)	8470	27.4
FH - Front-High(60-80)	6830.4	22.1
FVH - Front-Very High(80-90)	600.27	1.9
Total Forward Light	18624	60.3

BL - Back-Low(0-30)	2496	8.1
BM - Back-Medium(30-60)	6701.5	21.7
BH - Back-High(60-80)	2919.2	9.5
BVH - Back-Very High(80-90)	122.78	0.4
Total Back Light	12239	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	12239	0	12239
Street Side	18624	0	18624

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

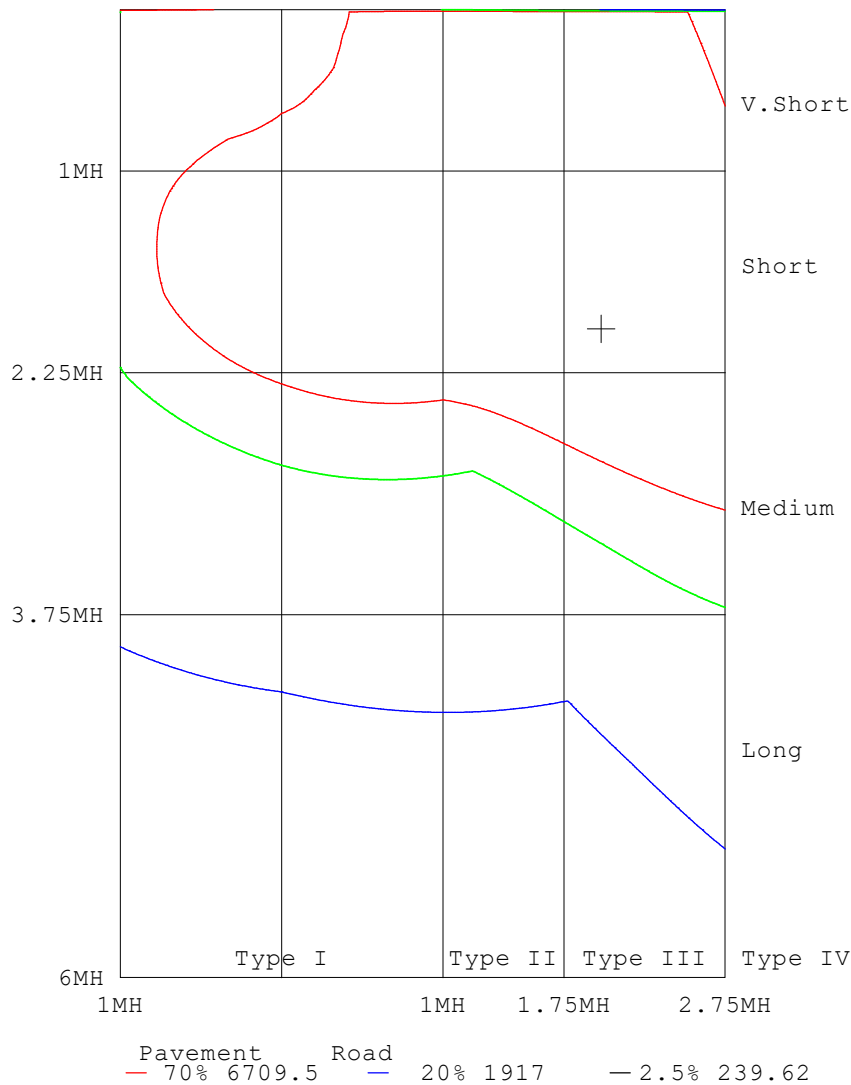
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 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: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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:118.80V I:1.9558A P:232.30W PF:0.9998 Freq:60.01Hz Lamp Flux:30932.4x1 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	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123	6123			
5	6102	6141	6174	6204	6223	6229	6222	6198	6163	6122	6075	6040	6020	6018	6038	6067			
10	6109	6169	6232	6291	6330	6346	6333	6285	6225	6130	6033	5950	5911	5915	5966	6032			
15	6129	6226	6313	6385	6454	6479	6452	6390	6295	6156	5995	5843	5777	5803	5901	6022			
20	6172	6287	6400	6495	6612	6626	6580	6496	6379	6187	5951	5723	5629	5680	5841	6026			
25	6235	6364	6491	6627	6793	6800	6702	6614	6481	6234	5906	5595	5470	5549	5772	6043			
30	6304	6475	6567	6770	6996	6973	6845	6759	6611	6312	5861	5470	5322	5418	5721	6079			
35	6440	6618	6635	6909	7195	7135	6987	6952	6815	6444	5839	5350	5164	5285	5678	6155			
40	6639	6809	6720	7034	7361	7282	7150	7213	7112	6661	5852	5231	5004	5160	5661	6285			
45	6974	7093	6840	7148	7494	7404	7345	7595	7501	6943	5883	5078	4777	5007	5668	6536			
50	7496	7497	7005	7238	7545	7504	7590	8059	7986	7238	5852	4796	4367	4748	5678	6896			
55	8177	8075	7238	7303	7521	7585	7890	8642	8541	7416	5549	4187	3593	4208	5590	7355			
60	8750	8689	7595	7397	7498	7697	8289	9130	8664	7108	4834	3146	2536	3253	5159	7591			
65	8430	8884	8191	7533	7361	7888	8951	8665	7451	5991	3722	2006	1596	2141	4179	6910			
70	6503	7198	8948	7281	6067	7504	9575	6138	5054	3933	2422	1173	975	1270	2777	4968			
75	3778	4282	9129	5514	3681	5614	8350	3064	2557	2134	1271	668	595	726	1546	2919			
80	1560	1806	6652	3132	1773	3295	4650	1235	1053	935	520	351	337	379	652	1215			
85	401	408	1898	1302	564	1107	1329	333	264	182	131	107	121	126	149	241			
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: 24.8℃

Operators:DAMIN

Test Date:2024-12-22

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: