

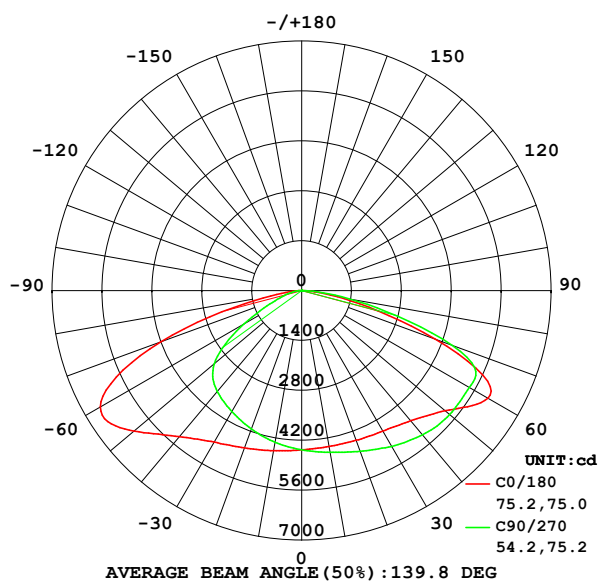
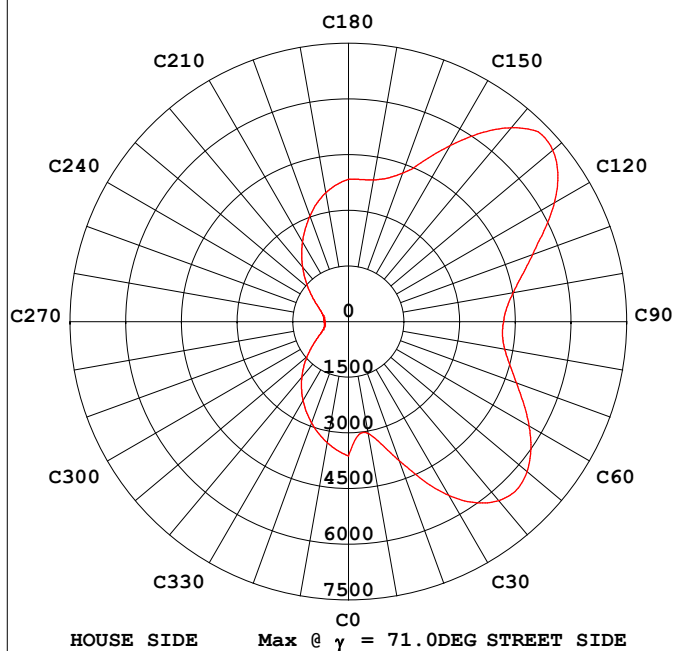
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz

Lamp Flux:22559x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 150.55 lm/W
MODEL	AL-240WS-3CS-T4	I <sub>max</sub> (cd)	7235	η street_up (%)	0.0	
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	59.8	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22509	η house_up (%)	0.0	
NOMINAL FLUX (lm)	22559	MAXIMUM @ (C, γ )	135,71.0	η house_down (%)	39.9	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	23.645	

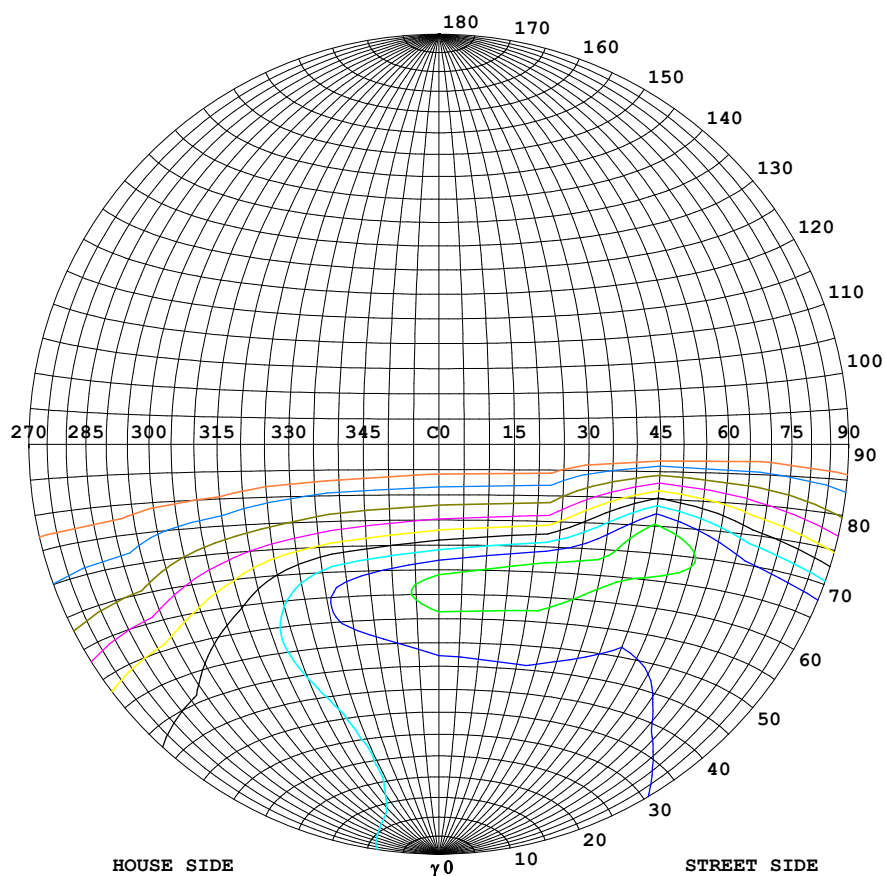
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
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:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



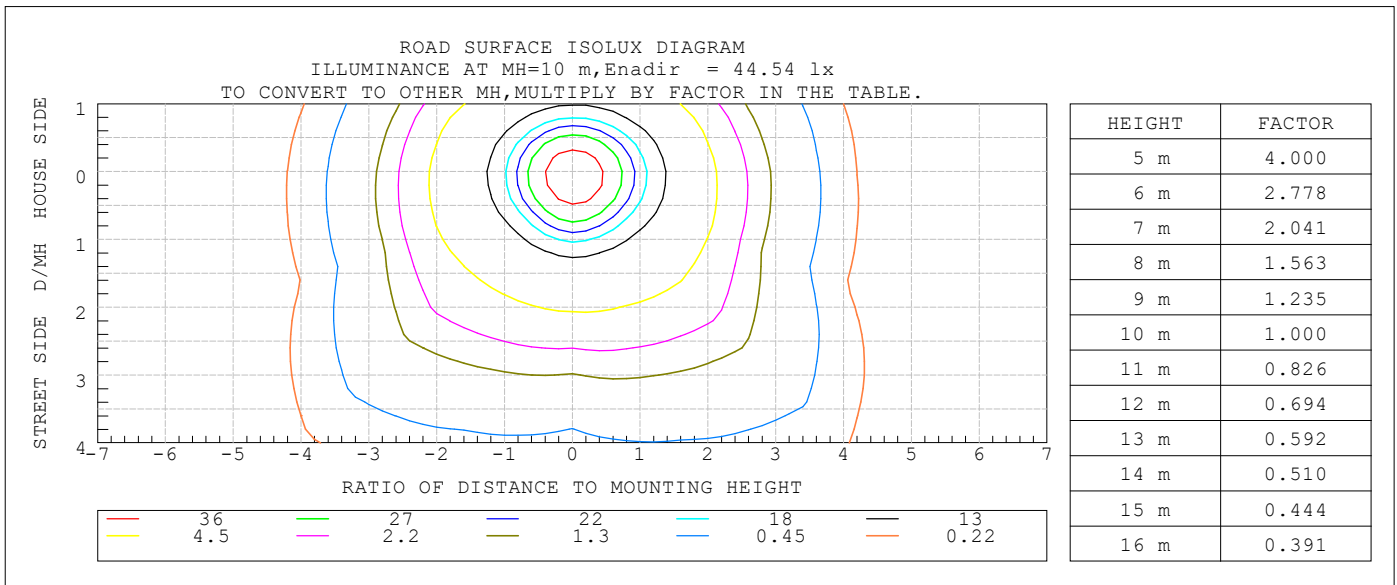
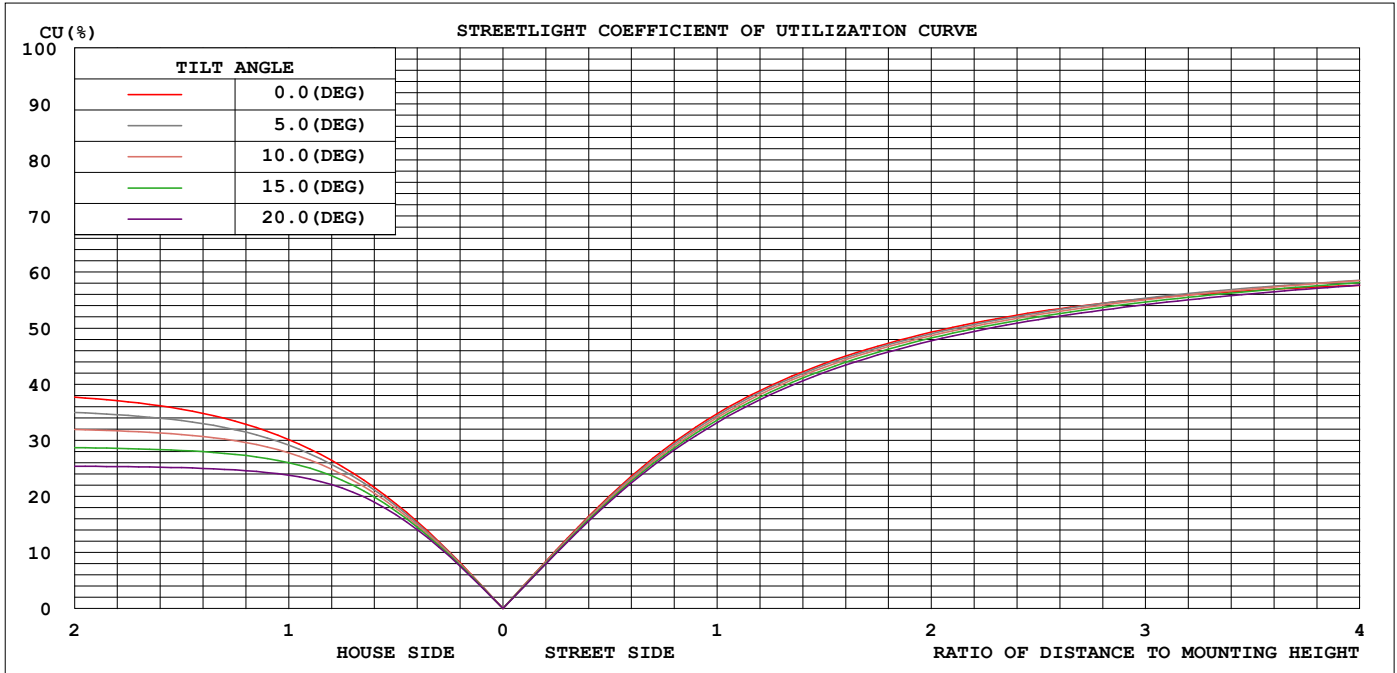
## Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:195.5cd/klm  
Max.At90:0cd/klm  
Max.80-90:195.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7235
90%	6511
80%	5788
70%	5064
60%	4341
50%	3617
40%	2894
30%	2170
20%	1447
10%	723
5%	362

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7°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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7°C  
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:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

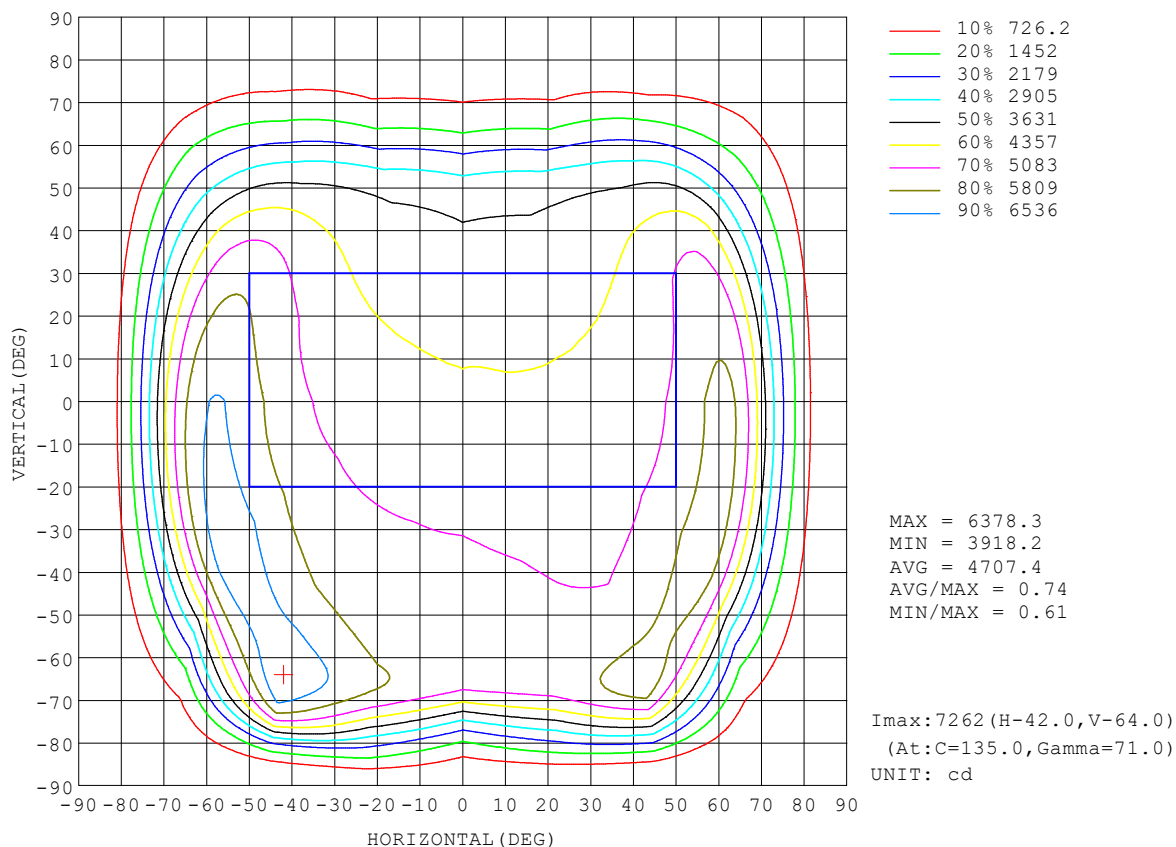
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4442	4533	4609	4623	4560	4418	4321	4341	0- 10	427.2	427.2	1.9,1.89
20	4469	4625	4799	4818	4698	4367	4132	4238	10- 20	1275	1703	7.56,7.55
30	4554	4735	5047	5034	4909	4335	3921	4146	20- 30	2107	3810	16.9,16.9
40	4767	4851	5279	5264	5348	4384	3691	4087	30- 40	2920	6730	29.9,29.8
50	5249	5023	5416	5622	6134	4387	3202	4064	40- 50	3728	10458	46.5,46.4
60	6034	5342	5437	6290	6520	3666	1859	3551	50- 60	4420	14878	66.1,66
70	3992	6341	4491	7212	4209	1845	730.3	1899	60- 70	4394	19272	85.6,85.4
80	1022	3698	1366	4410	886.3	467.3	251.7	389.0	70- 80	2690	21962	97.6,97.4
90	0	0	0	0	0	0	0	0	80- 90	547.2	22509	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	22509	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	22509	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	22509	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	22509	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	22509	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	22509	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	22509	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	22509	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	22509	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
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

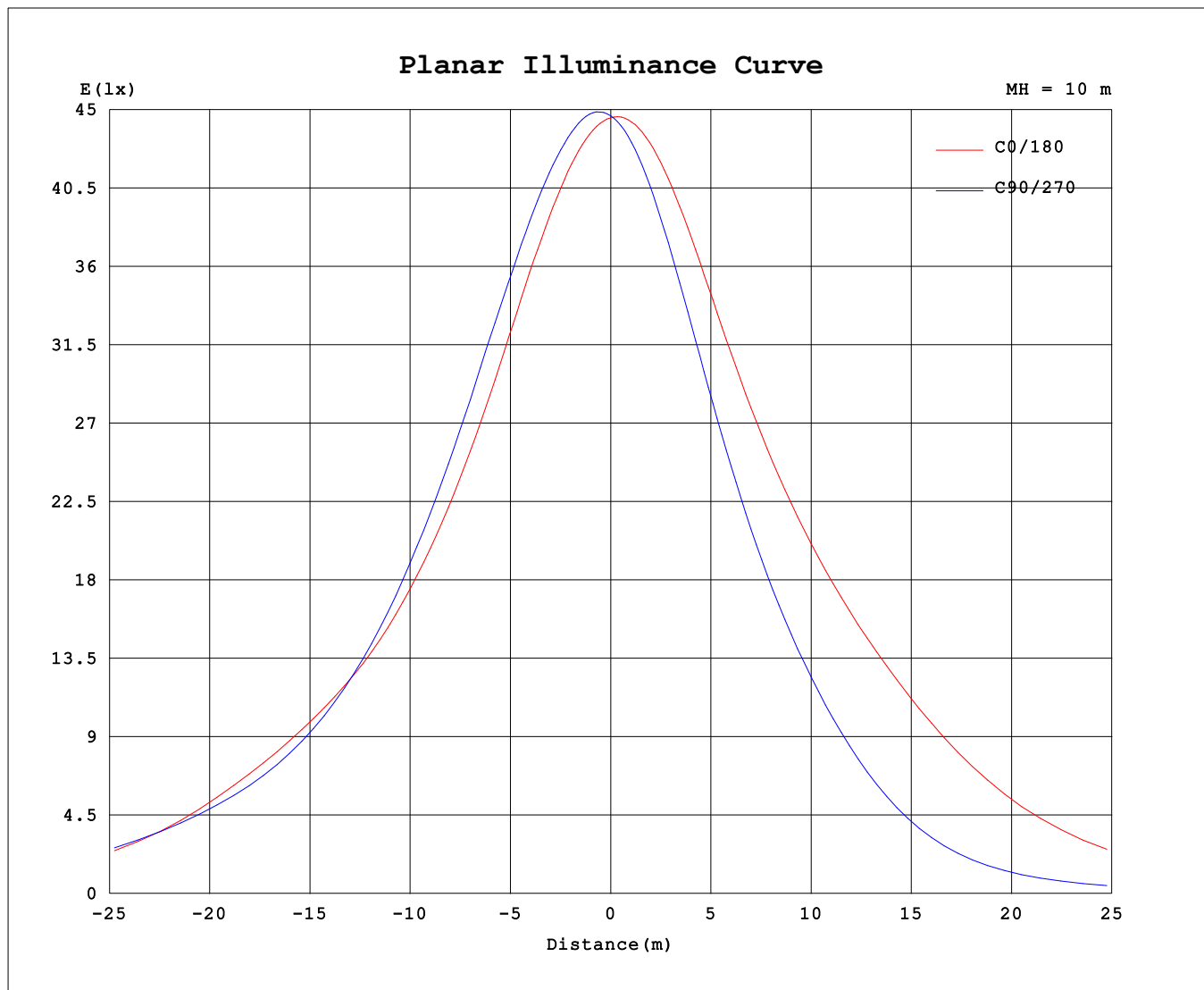
Test:U:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7°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:

### Planar Illuminance Curve



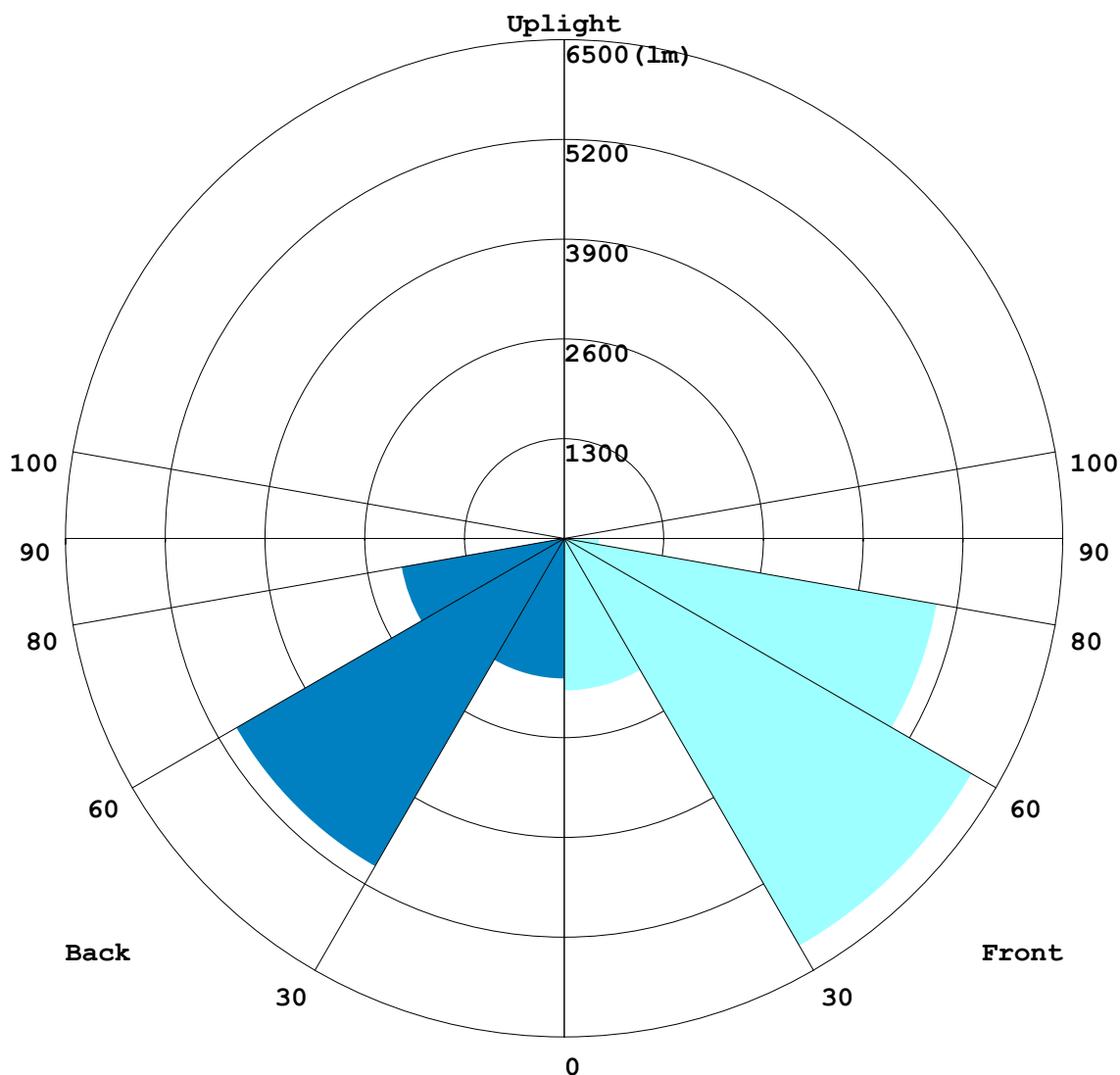
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.7°C  
 Operators:DAMIN  
 Test Date:2024-12-22

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:

**LCS REPORT**

Test:U:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 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: 24.7℃  
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:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 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)	1981.8	8.8
FM - Front-Medium(30-60)	6133.1	27.2
FH - Front-High(60-80)	4932.1	21.9
FVH - Front-Very High(80-90)	453.33	2.0
Total Forward Light	13500	60.0

BL - Back-Low(0-30)	1828	8.1
BM - Back-Medium(30-60)	4935.3	21.9
BH - Back-High(60-80)	2151.5	9.6
BVH - Back-Very High(80-90)	93.857	0.4
Total Back Light	9008.6	40.0

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9008.6	0	9008.6
Street Side	13500	0	13500

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-12-22

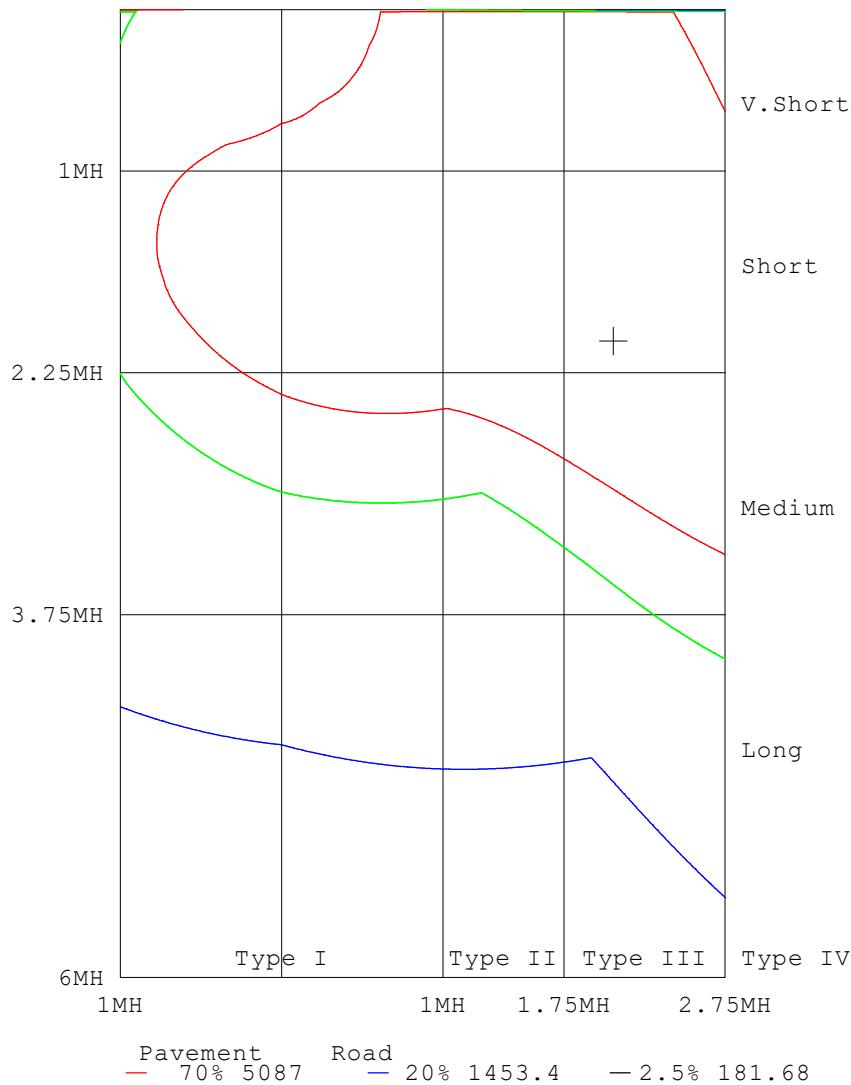
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 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: 24.7°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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.15V I:1.2555A P:149.51W PF:0.9995 Freq:60.01Hz Lamp Flux:22559x1 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	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468			
5	4448	4473	4499	4519	4537	4544	4543	4530	4507	4476	4444	4414	4399	4394	4403	4424			
10	4442	4491	4533	4574	4609	4620	4623	4607	4560	4494	4418	4356	4321	4313	4341	4394			
15	4449	4521	4573	4638	4695	4713	4714	4690	4625	4521	4390	4289	4231	4229	4286	4375			
20	4469	4560	4625	4716	4799	4819	4818	4788	4698	4558	4367	4211	4132	4135	4238	4364			
25	4504	4610	4685	4812	4916	4933	4921	4897	4789	4608	4347	4134	4027	4048	4189	4370			
30	4554	4671	4735	4907	5047	5051	5034	5028	4909	4687	4335	4058	3921	3948	4146	4388			
35	4639	4755	4784	5005	5164	5156	5143	5192	5092	4812	4351	3981	3812	3865	4107	4430			
40	4767	4873	4851	5089	5279	5250	5264	5421	5348	4998	4384	3902	3691	3760	4087	4517			
45	4964	5044	4922	5153	5374	5330	5419	5727	5698	5242	4412	3787	3521	3639	4081	4665			
50	5249	5272	5023	5206	5416	5424	5622	6137	6134	5522	4387	3561	3202	3426	4064	4858			
55	5680	5618	5149	5239	5424	5508	5899	6588	6521	5663	4187	3095	2617	3002	3938	5090			
60	6034	6035	5342	5302	5437	5634	6290	6909	6520	5384	3666	2349	1859	2296	3551	5171			
65	5606	6125	5760	5422	5390	5849	6788	6610	5739	4504	2815	1537	1183	1512	2844	4627			
70	3992	4721	6341	5177	4491	5682	7212	4881	4209	3166	1845	919	730	898	1899	3123			
75	2237	2592	5898	3894	2791	4446	6804	2732	2317	1894	1044	536	447	513	997	1718			
80	1022	1138	3698	2317	1366	2695	4410	1103	886	780	467	283	252	264	389	803			
85	246	293	1079	813	458	1168	1114	280	245	153	115	91.7	89.2	80.7	94.4	160			
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: 24.7℃  
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: