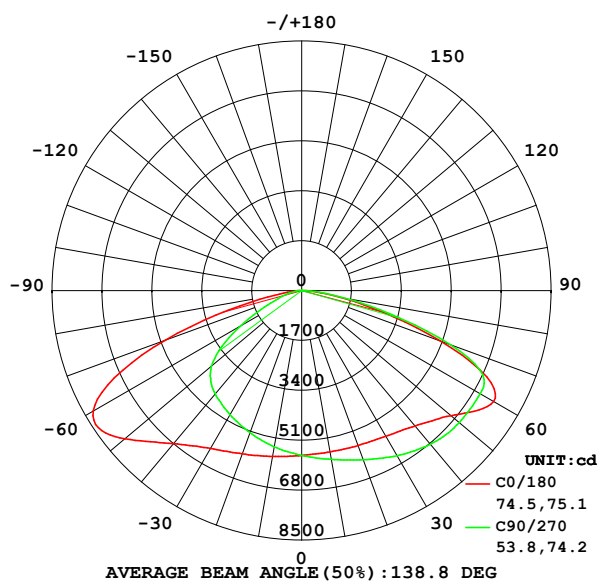
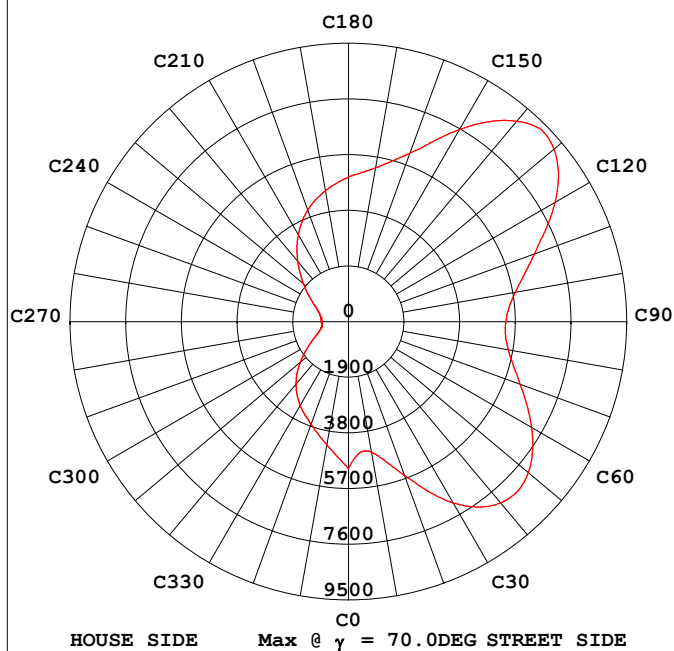


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.49 lm/W			
MODEL	AL-300WS-3CS-T4	I <sub>max</sub> (cd)	9289	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	60.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28445	η house_up (%)	0.0
NOMINAL FLUX (lm)	28509.9	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	23.947

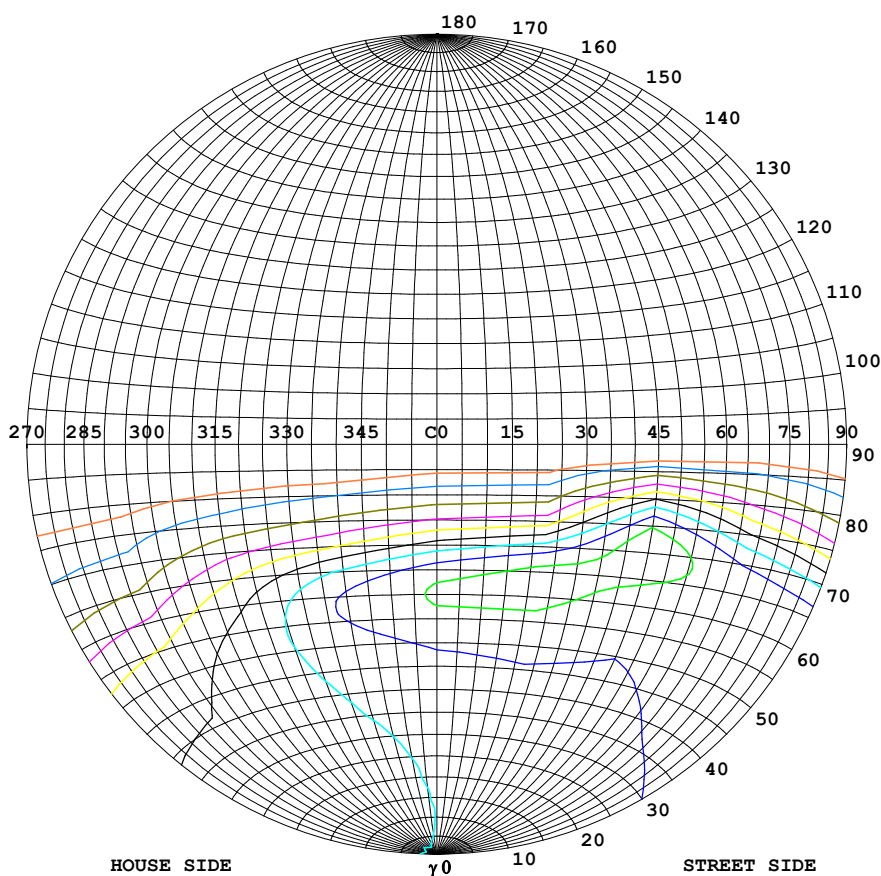
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

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:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



## Classification:

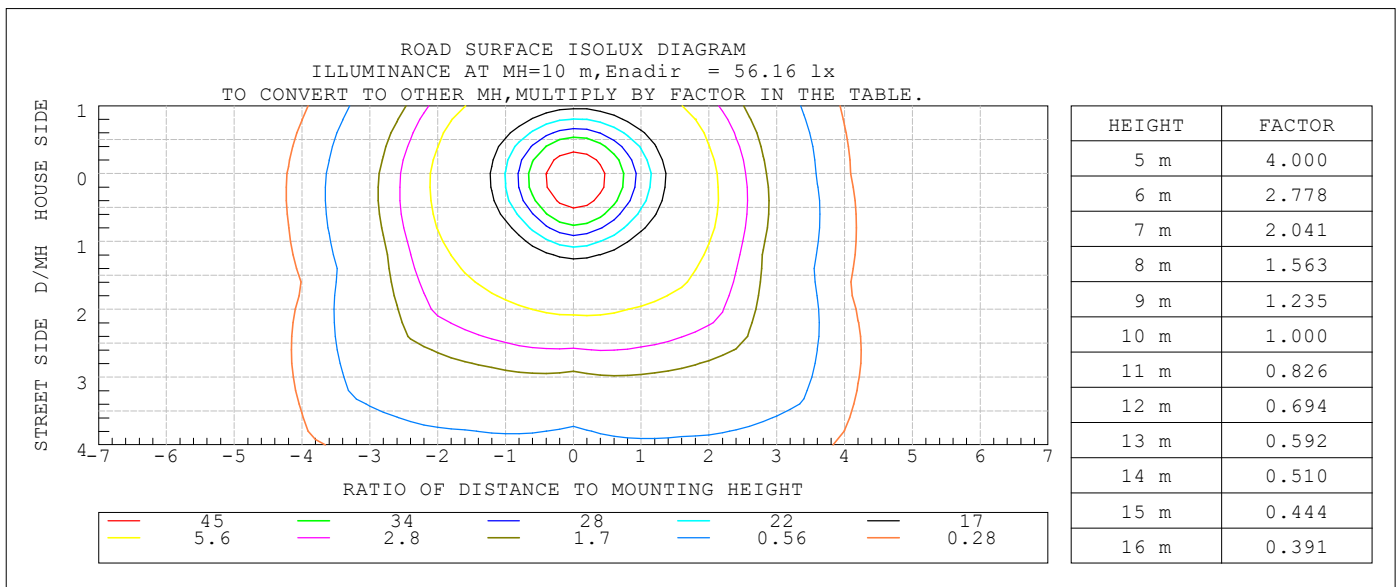
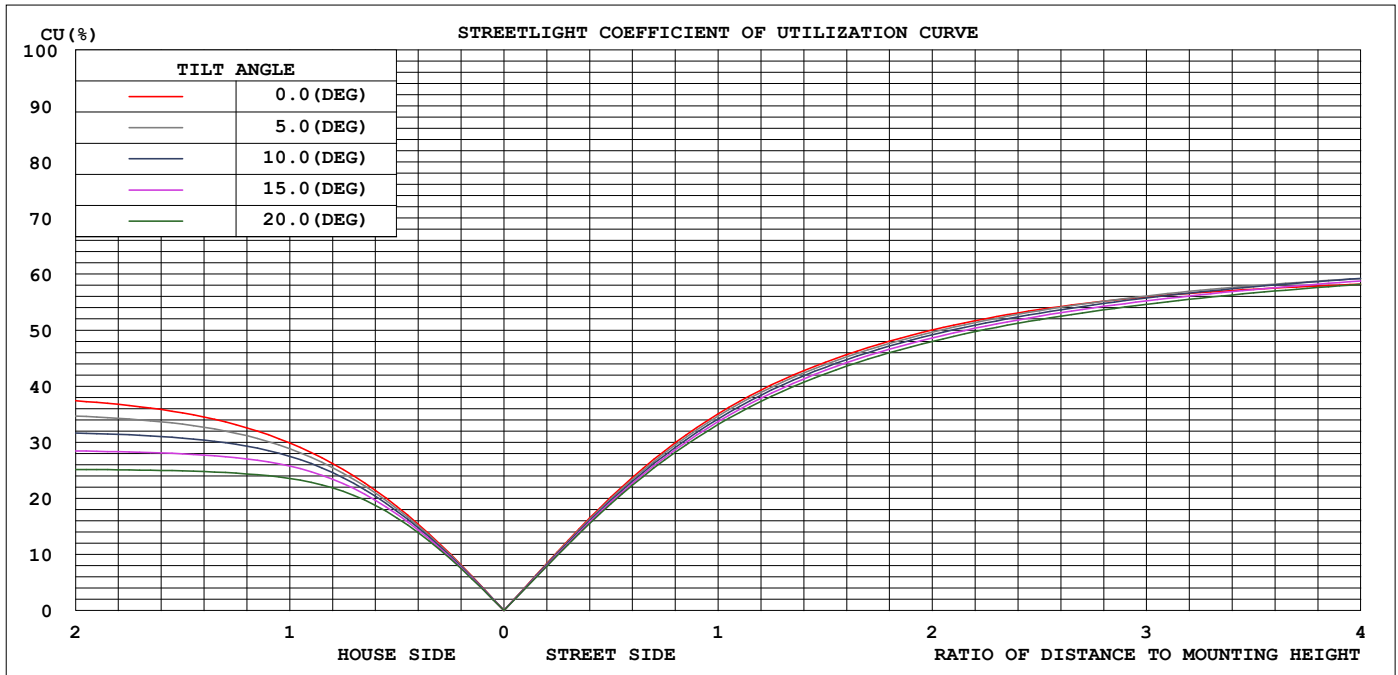
IES:Type IV - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:170.9cd/klm  
Max.At90:0cd/klm  
Max.80-90:170.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9289
90%	8360
80%	7431
70%	6502
60%	5574
50%	4645
40%	3716
30%	2787
20%	1858
10%	929
5%	464

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

$\gamma$  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:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

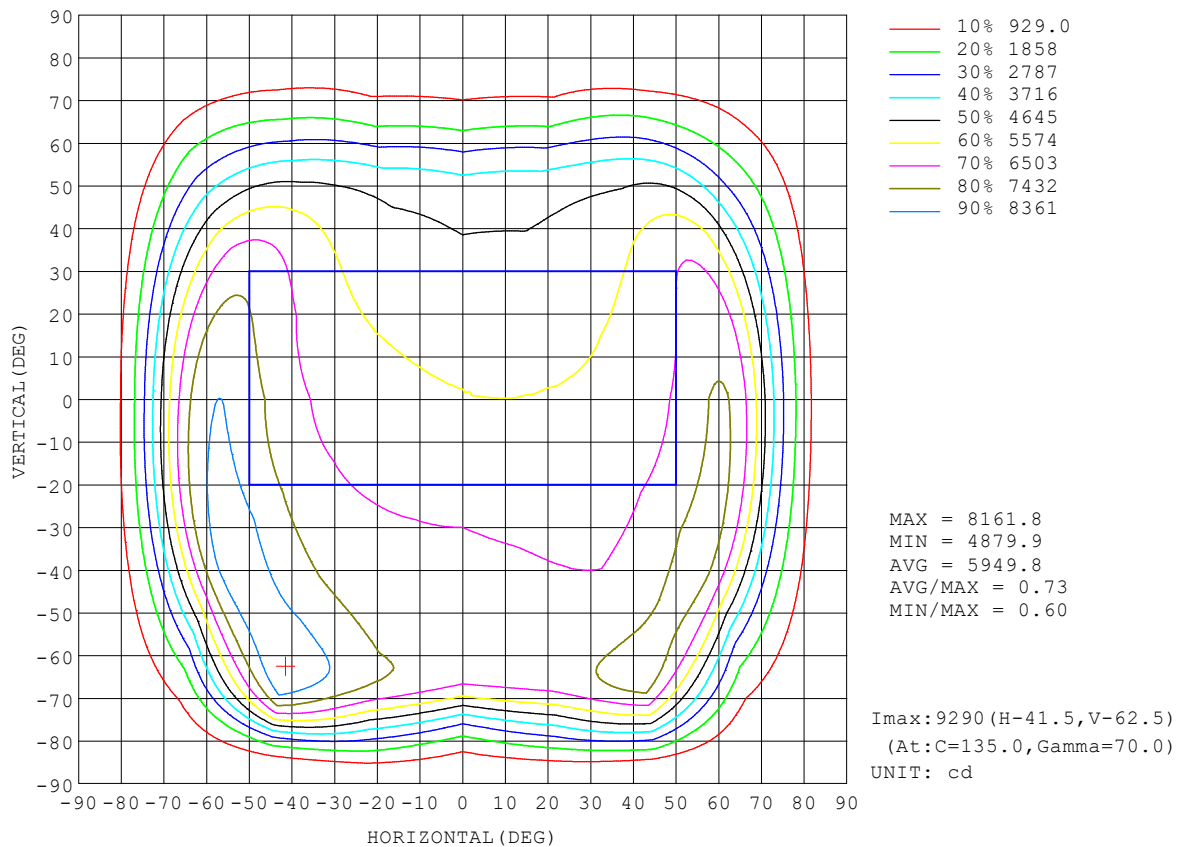
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5578	5725	5839	5846	5736	5533	5403	5440	0- 10	537.3	537.3	1.89,1.88
20	5622	5874	6133	6124	5919	5467	5159	5281	10- 20	1608	2145	7.54,7.52
30	5735	6037	6496	6442	6208	5426	4883	5160	20- 30	2662	4807	16.9,16.9
40	6023	6238	6830	6798	6810	5495	4590	5091	30- 40	3704	8511	29.9,29.9
50	6633	6515	7003	7322	7857	5536	4012	5077	40- 50	4753	13264	46.6,46.5
60	7556	7013	7029	8263	8194	4651	2381	4498	50- 60	5661	18926	66.5,66.4
70	5026	8176	5379	9289	4943	2340	937.6	2487	60- 70	5582	24507	86.2,86
80	1334	4605	1510	4871	960.2	583.6	326.1	557.4	70- 80	3303	27810	97.8,97.5
90	0	0	0	0	0	0	0	0	80- 90	635.2	28445	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28445	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28445	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28445	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28445	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28445	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28445	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28445	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28445	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28445	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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

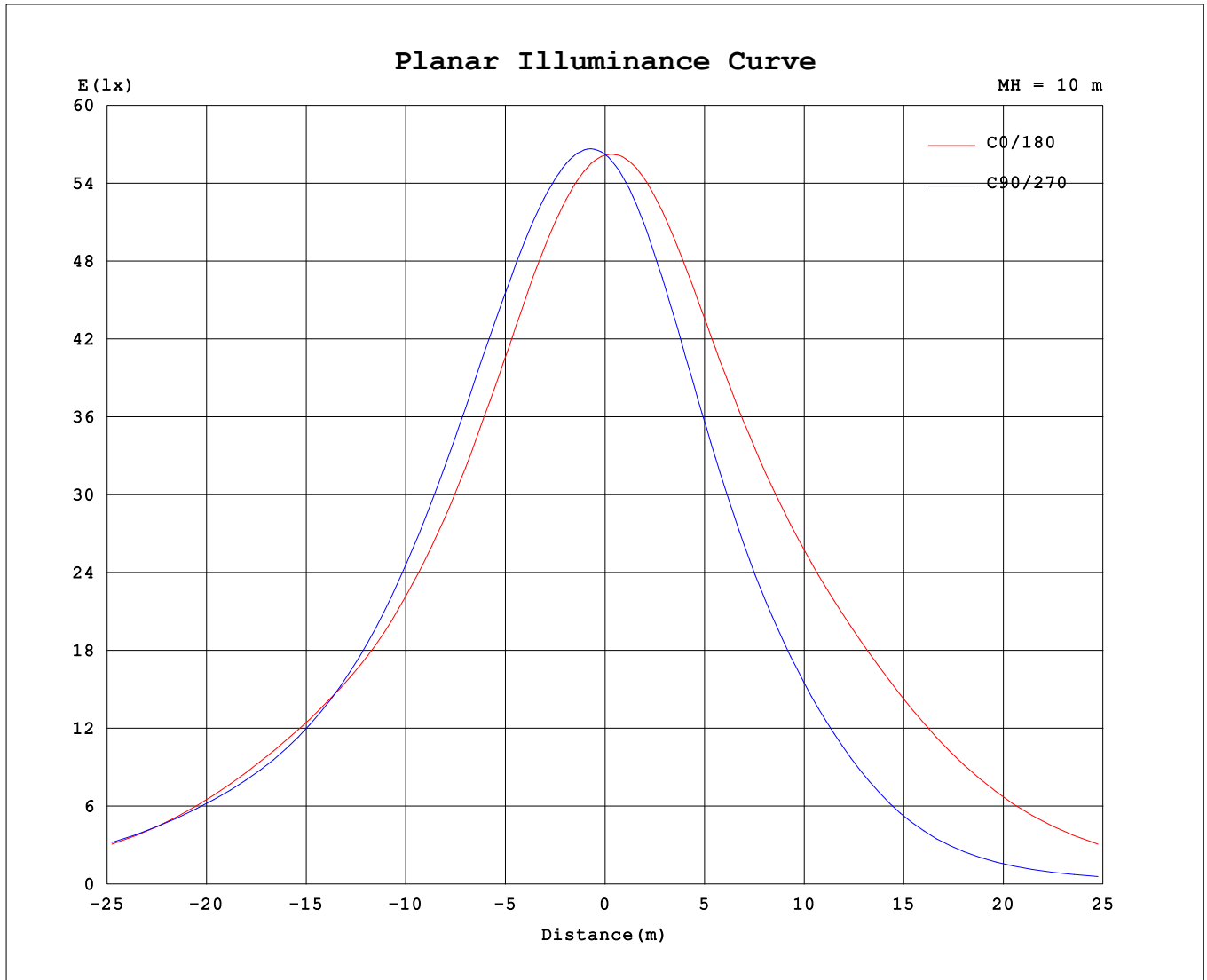
Test:U:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators: DAMIN  
Test Date: 2024-12-27

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



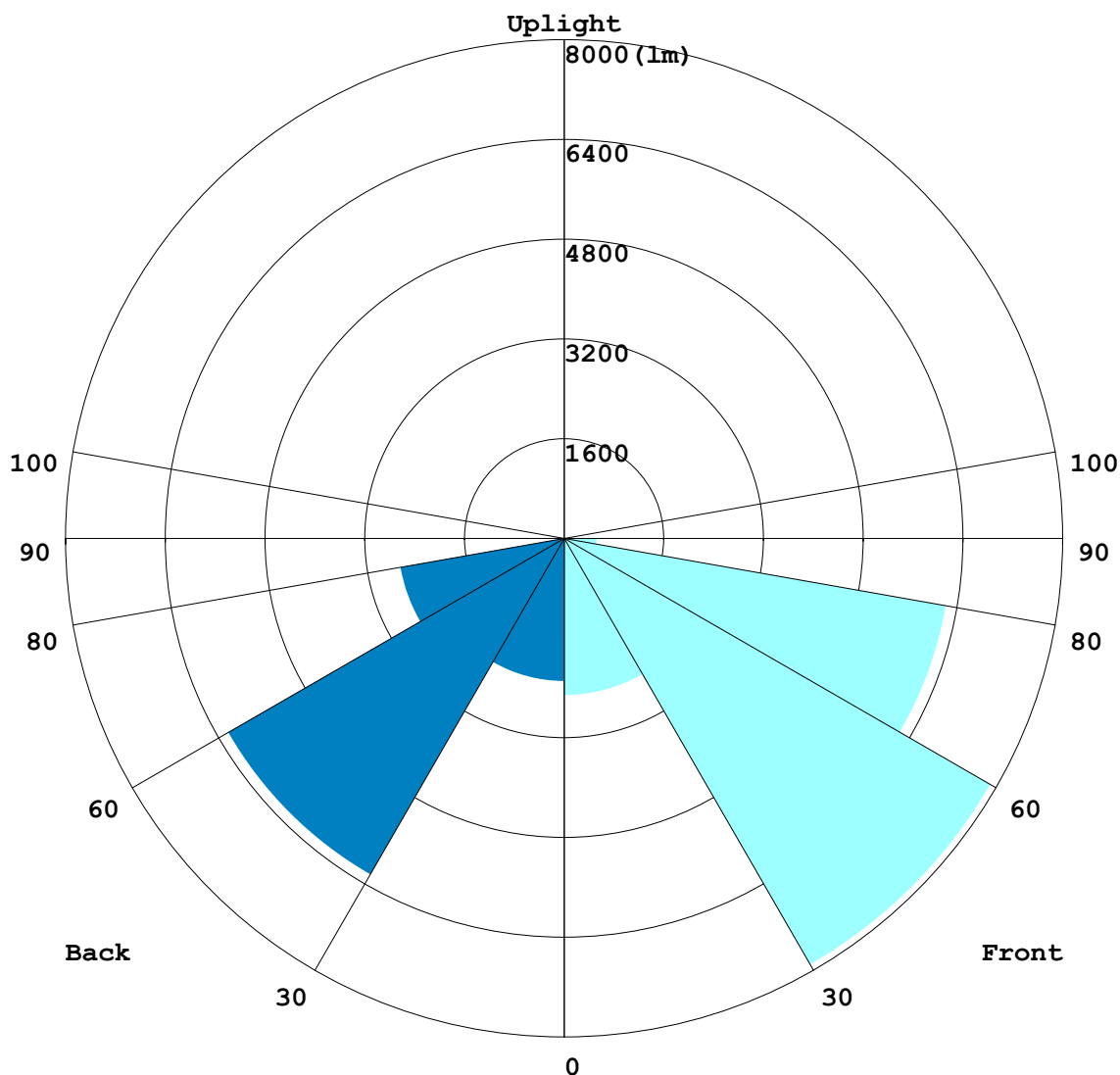
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 26.4 °C  
 Operators: DAMIN  
 Test Date: 2024-12-27

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:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2517	8.8
FM - Front-Medium(30-60)	7894.7	27.8
FH - Front-High(60-80)	6216.9	21.9
FVH - Front-Very High(80-90)	523.06	1.8
Total Forward Light	17152	60.3

BL - Back-Low(0-30)	2290.2	8.1
BM - Back-Medium(30-60)	6223.7	21.9
BH - Back-High(60-80)	2667.8	9.4
BVH - Back-Very High(80-90)	112.13	0.4
Total Back Light	11294	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	11294	0	11294
Street Side	17152	0	17152

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

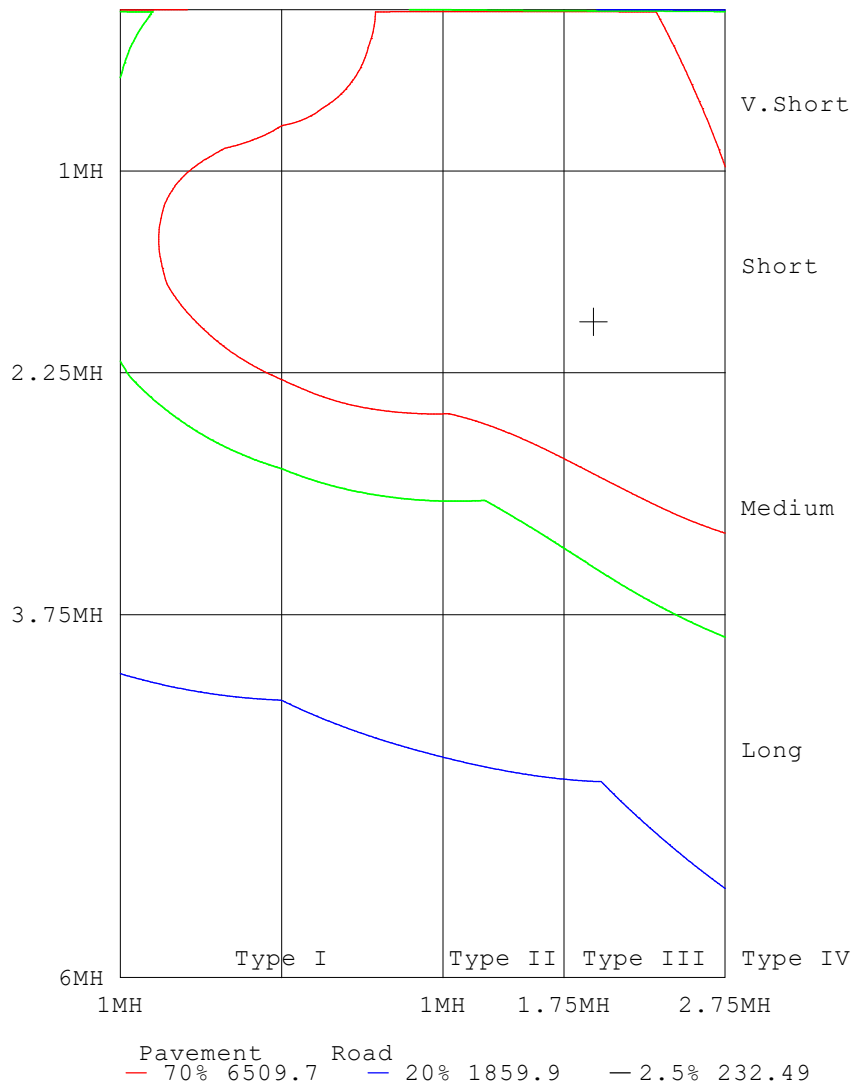
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 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: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

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:118.94V I:1.6559A P:196.87W PF:0.9996 Freq:60.01Hz Lamp Flux:28509.9x1 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	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616	5616			
5	5585	5639	5666	5698	5723	5737	5728	5699	5669	5635	5572	5533	5512	5509	5523	5554			
10	5578	5666	5725	5788	5839	5863	5846	5811	5736	5655	5533	5450	5403	5402	5440	5513			
15	5592	5712	5793	5892	5972	6000	5977	5928	5821	5688	5497	5360	5282	5292	5362	5497			
20	5622	5771	5874	6012	6133	6162	6124	6056	5919	5732	5467	5260	5159	5168	5281	5485			
25	5659	5844	5954	6160	6306	6331	6276	6204	6046	5781	5438	5157	5019	5047	5217	5487			
30	5735	5937	6037	6307	6496	6496	6442	6383	6208	5900	5426	5056	4883	4926	5160	5509			
35	5840	6056	6139	6446	6670	6654	6604	6601	6460	6058	5444	4964	4744	4808	5122	5578			
40	6023	6224	6238	6574	6830	6795	6798	6915	6810	6326	5495	4865	4590	4684	5091	5702			
45	6274	6456	6361	6680	6949	6937	7030	7317	7282	6660	5546	4733	4383	4534	5088	5907			
50	6633	6758	6515	6758	7003	7057	7322	7847	7857	7044	5536	4466	4012	4286	5077	6160			
55	7172	7210	6720	6812	7015	7179	7725	8435	8317	7222	5304	3911	3314	3789	4928	6461			
60	7556	7712	7013	6916	7029	7367	8263	8831	8194	6810	4651	2992	2381	2945	4498	6476			
65	6951	7668	7571	7013	6806	7563	8900	8492	7036	5630	3571	1973	1528	1966	3659	5562			
70	5026	5940	8176	6468	5379	7056	9289	6394	4943	3924	2340	1181	938	1175	2487	3619			
75	2862	3305	7317	4693	3183	5190	8371	3634	2593	2309	1324	682	571	667	1333	2002			
80	1334	1472	4605	2720	1510	2968	4871	1529	960	934	584	362	326	349	557	878			
85	347	390	1451	955	484	1158	1139	439	252	183	141	119	123	115	143	136			
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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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: