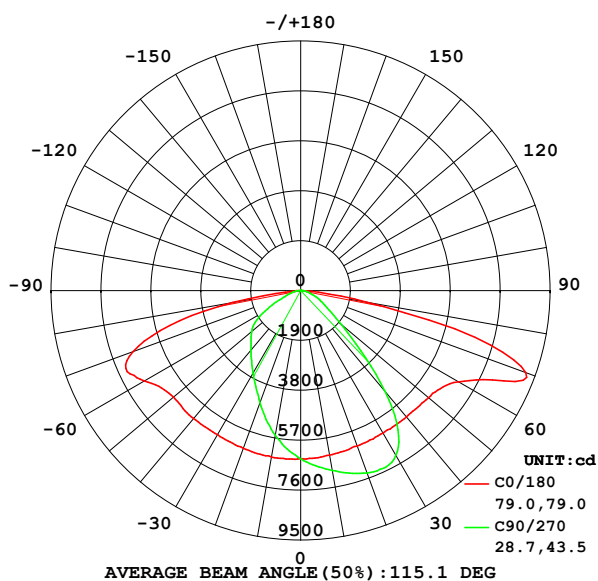
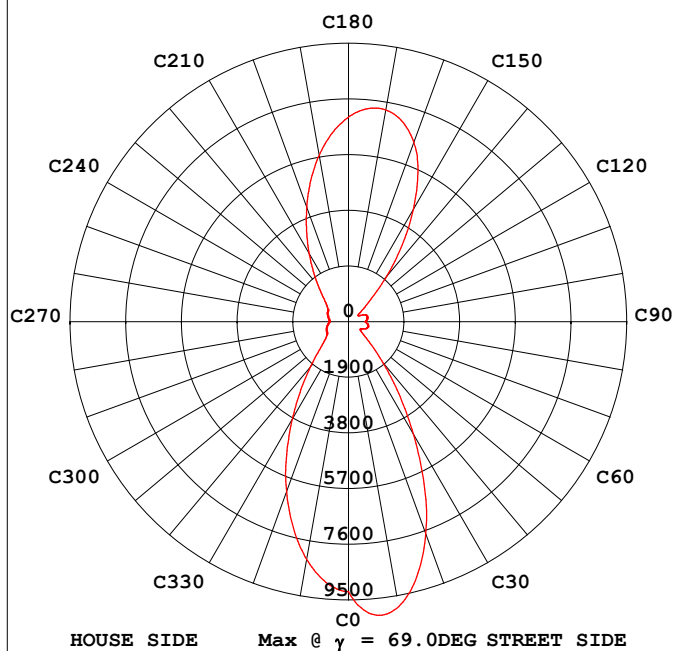


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.02 lm/W			
MODEL	AL-240WS-3CS-T2	I <sub>max</sub> (cd)	9215	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	56.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	21744	η house_up (%)	0.0
NOMINAL FLUX (lm)	21793.9	MAXIMUM @ (C, γ )	0,69.0	η house_down (%)	42.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.089

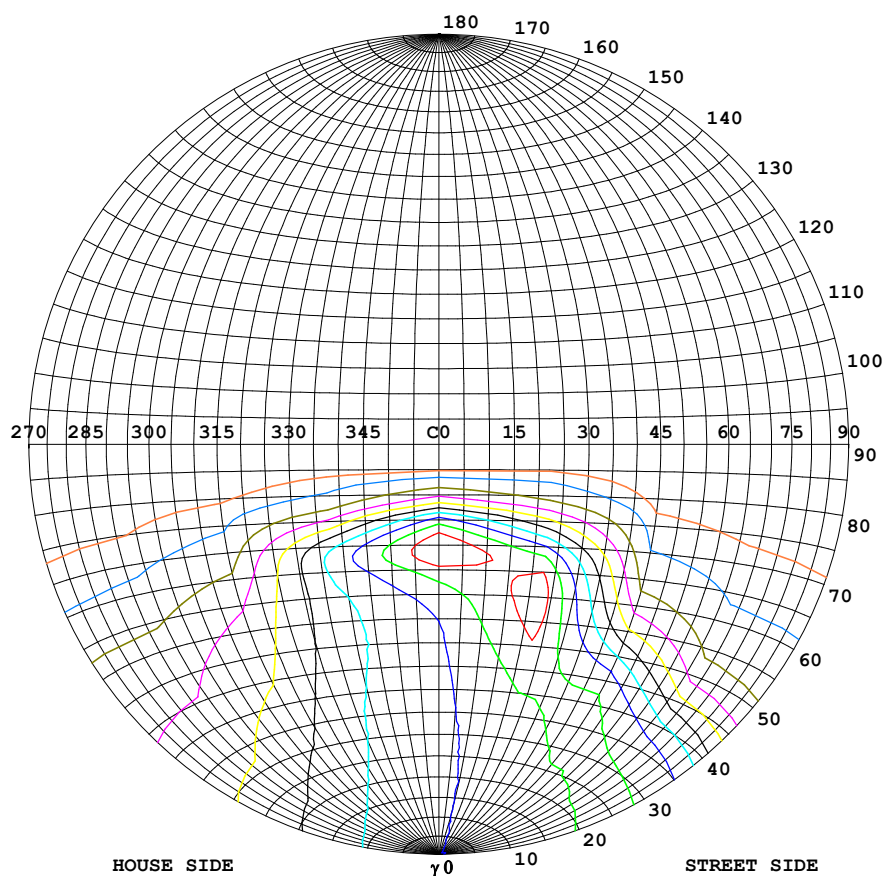
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
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

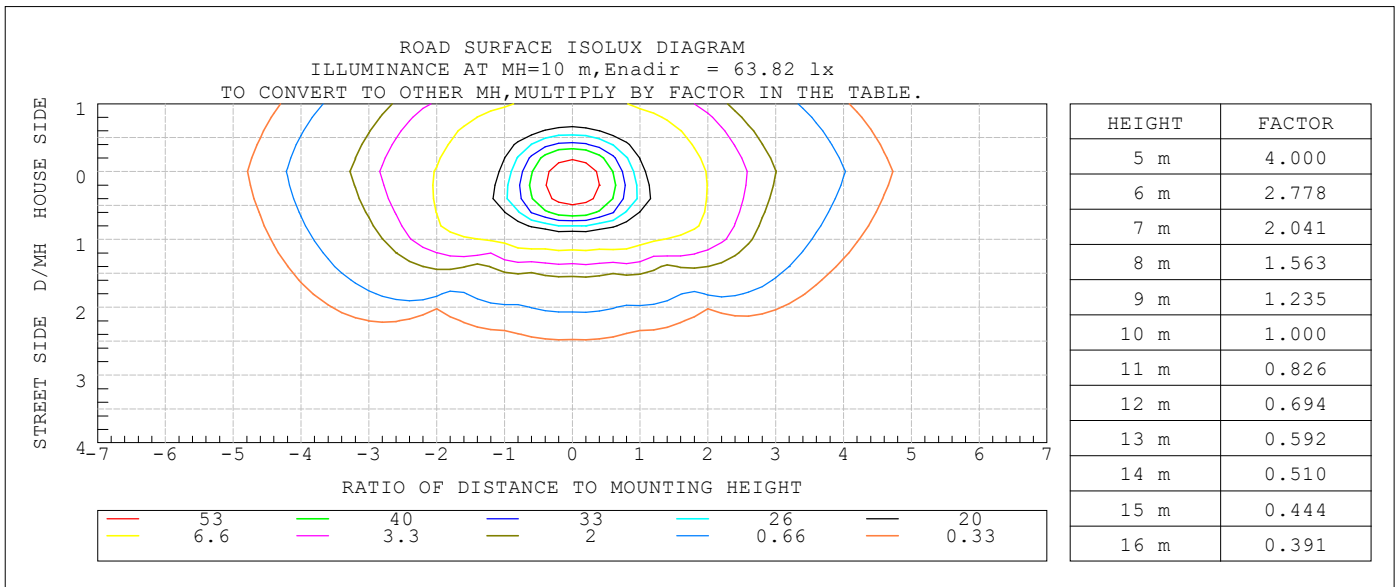
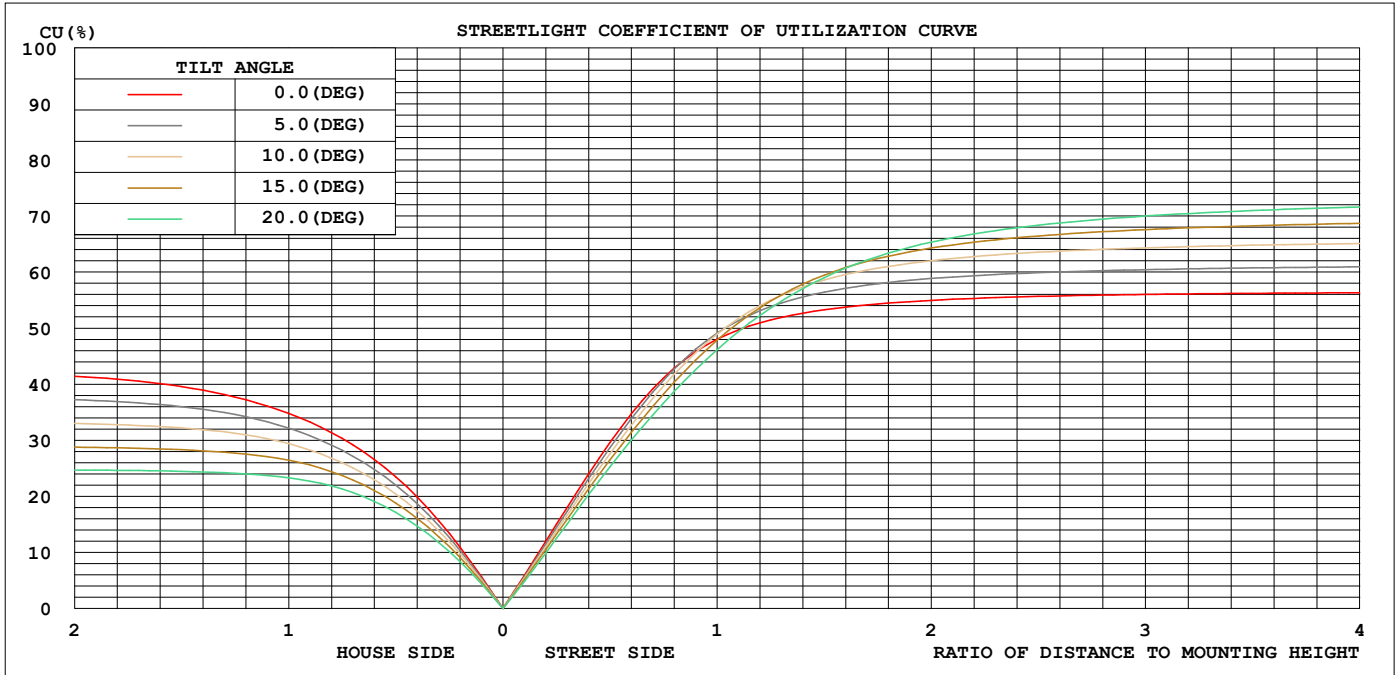
Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
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: MEDIUM  
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:

### ZONAL FLUX DIAGRAM

Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

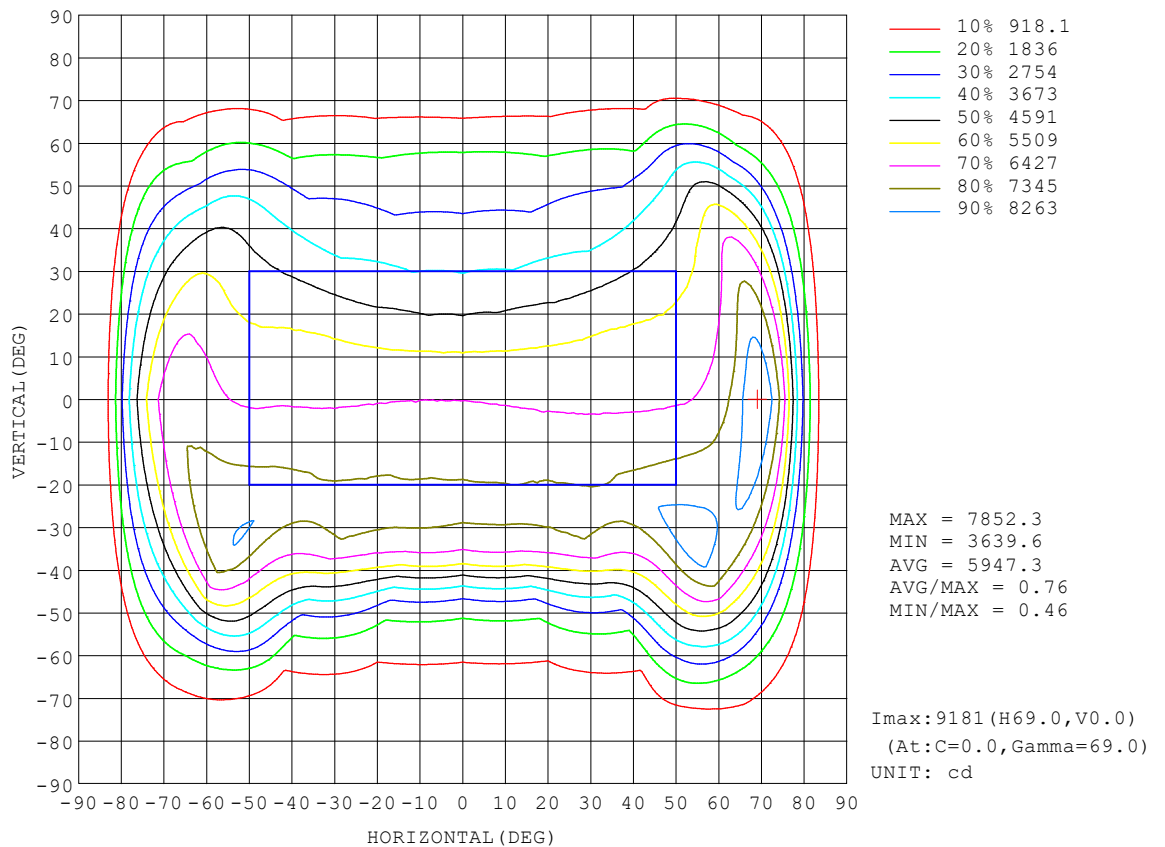
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6367	6771	6956	6809	6438	5877	5594	5856	0- 10	607.8	607.8	2.8,2.79
20	6301	7121	7391	7169	6397	5197	4546	5271	10- 20	1770	2378	10.9,10.9
30	6270	7511	7251	7589	6333	4522	3639	4635	20- 30	2810	5187	23.9,23.8
40	6274	7544	4995	7581	6353	3838	2958	3971	30- 40	3604	8791	40.4,40.3
50	6350	5496	2038	5695	6325	3190	2446	3324	40- 50	3828	12619	58,57.9
60	6956	2410	1004	2668	6886	2428	1574	2668	50- 60	3657	16276	74.9,74.7
70	9121	958.2	510.2	970.5	6780	1133	597.3	1332	60- 70	3327	19602	90.2,89.9
80	2596	297.8	201.0	251.4	2638	303.3	233.9	379.4	70- 80	1873	21476	98.8,98.5
90	0	0	0	0	0	0	0	0	80- 90	268.2	21744	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	21744	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	21744	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	21744	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	21744	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	21744	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	21744	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	21744	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	21744	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	21744	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
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

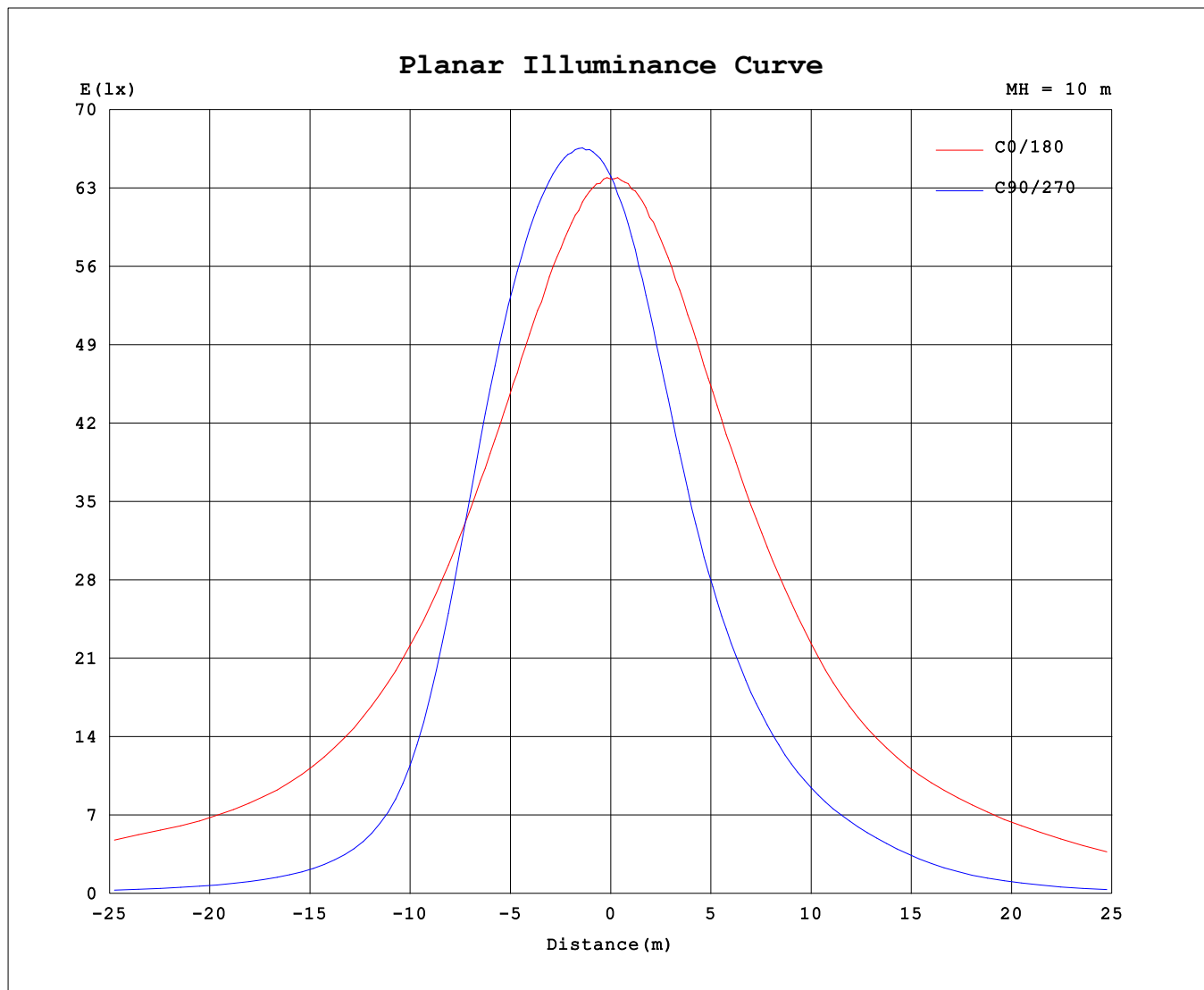
Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5°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

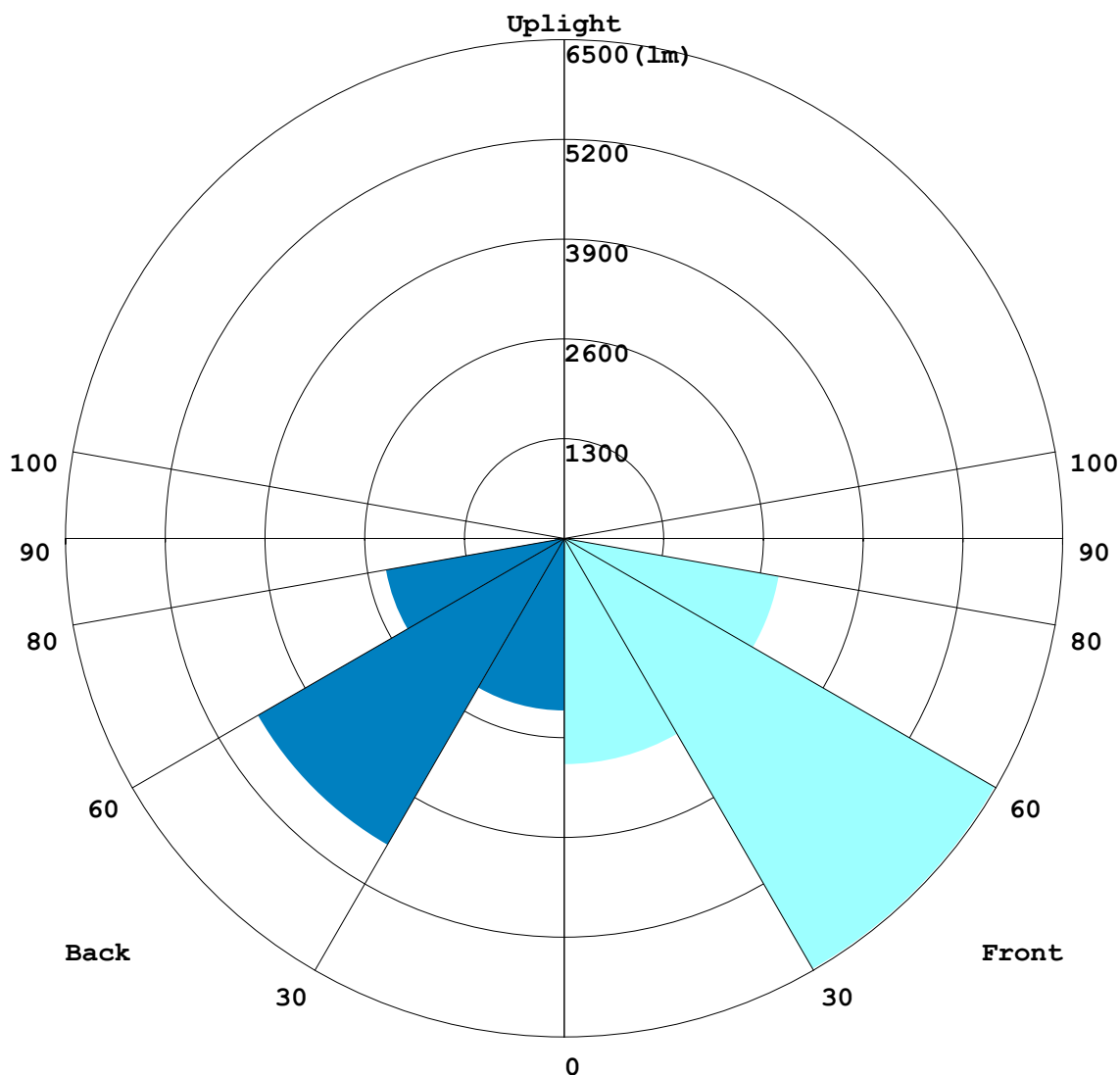


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.5°C  
 Operators: DAMIN  
 Test Date: 2024-12-25

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:

**LCS REPORT**

Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 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: MEDIUM  
 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:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 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)	2944.9	13.5
FM - Front-Medium(30-60)	6478.9	29.8
FH - Front-High(60-80)	2842.3	13.1
FVH - Front-Very High(80-90)	144.22	0.7
Total Forward Light	12410	57.1

BL - Back-Low(0-30)	2242.5	10.3
BM - Back-Medium(30-60)	4609.3	21.2
BH - Back-High(60-80)	2357.9	10.8
BVH - Back-Very High(80-90)	123.99	0.6
Total Back Light	9333.7	42.9

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	9333.7	0	9333.7
Street Side	12410	0	12410

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

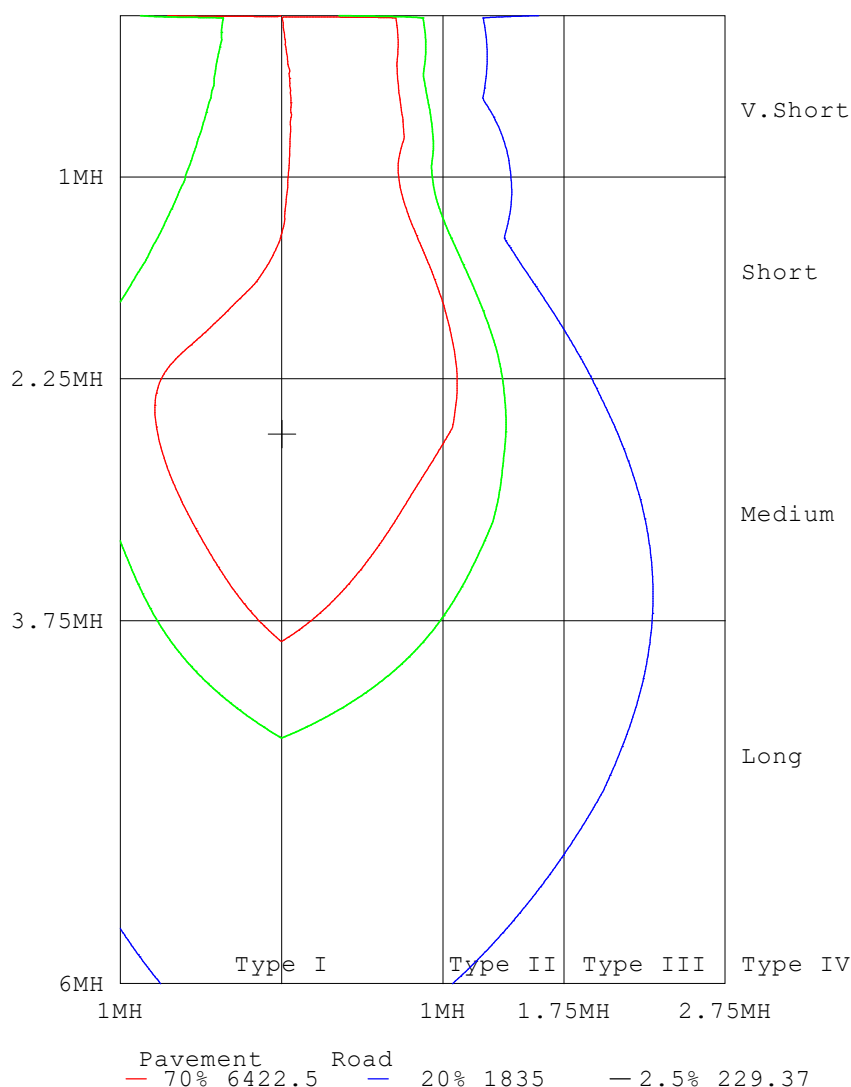
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 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: MEDIUM  
Temperature: 25.5°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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.21V I:1.2583A P:149.93W PF:0.9995 Freq:60.01Hz Lamp Flux:21793.9x1 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	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405	6405			
5	6400	6494	6599	6689	6700	6683	6629	6530	6436	6287	6166	6082	6048	6065	6113	6254			
10	6367	6574	6771	6908	6956	6922	6809	6638	6438	6143	5877	5674	5594	5669	5856	6097			
15	6331	6637	6935	7144	7194	7148	6975	6732	6421	5995	5542	5185	5083	5232	5552	5958			
20	6301	6712	7121	7336	7391	7348	7169	6811	6397	5828	5197	4712	4546	4766	5271	5835			
25	6267	6805	7307	7472	7465	7509	7379	6900	6359	5709	4864	4224	4040	4289	4963	5718			
30	6270	6926	7511	7430	7251	7481	7589	6995	6333	5588	4522	3819	3639	3852	4635	5619			
35	6270	7111	7646	6969	6469	6990	7722	7155	6336	5497	4180	3442	3266	3470	4302	5533			
40	6274	7361	7544	5817	4995	5827	7581	7381	6353	5400	3838	3099	2958	3123	3971	5452			
45	6294	7720	6899	4056	3242	4118	6930	7699	6339	5281	3504	2784	2673	2814	3641	5361			
50	6350	8174	5496	2492	2038	2558	5695	7993	6325	5102	3190	2508	2446	2544	3324	5265			
55	6500	8615	3817	1625	1383	1674	4128	8268	6469	5015	2864	2187	2123	2236	3028	5277			
60	6956	8813	2410	1127	1004	1157	2668	8317	6886	4992	2428	1675	1574	1701	2668	5357			
65	8052	8271	1506	820	757	827	1643	7583	7296	4688	1799	1126	1028	1153	2019	5739			
70	9121	6484	958	601	510	592	970	5598	6780	3471	1133	706	597	748	1332	5324			
75	6878	3890	602	382	329	369	543	2821	5158	1948	642	425	387	455	826	2894			
80	2596	1531	298	212	201	200	251	1208	2638	896	303	235	234	256	379	1007			
85	406	414	94.3	82.7	85.6	70.5	76.1	266	328	191	74.8	72.5	82.6	91.0	89.8	261			
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: MEDIUM  
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: