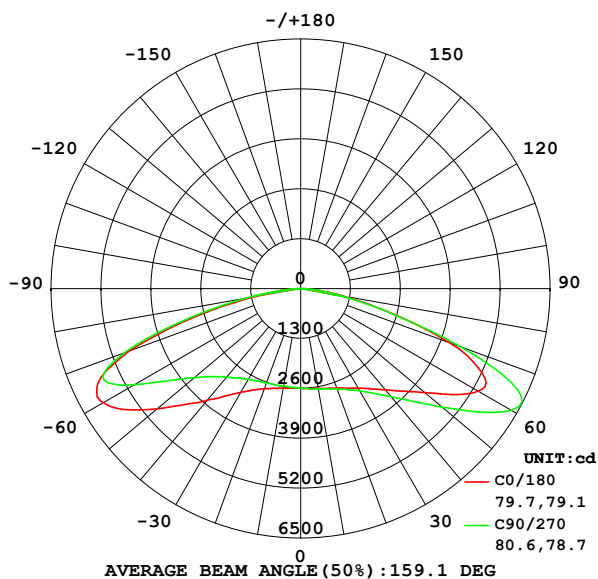
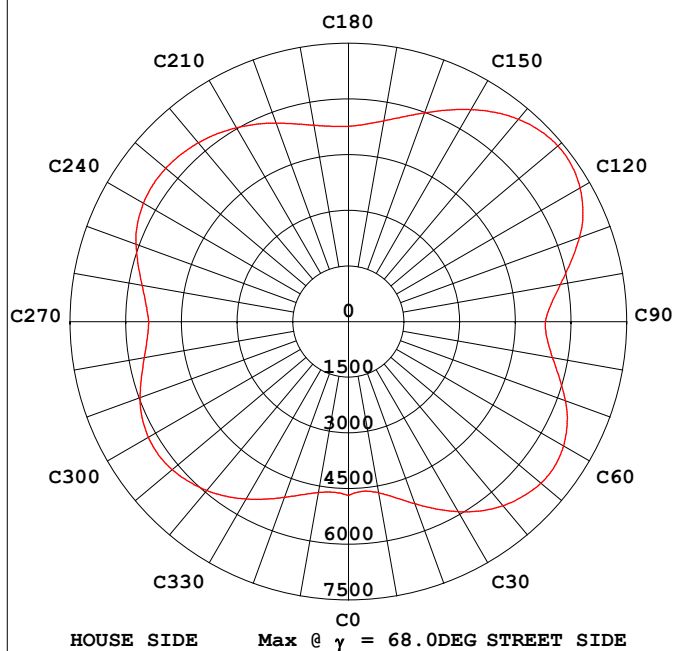


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.52 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	7287	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	51.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22391	η house_up (%)	0.0
NOMINAL FLUX (lm)	22441.5	MAXIMUM @ (C, γ)	135,68.0	η house_down (%)	48.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	23.696

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℃
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:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz

Lamp Flux:22441.5x1 lm

NAME:

TYPE:

WEIGHT:

SPEC.:

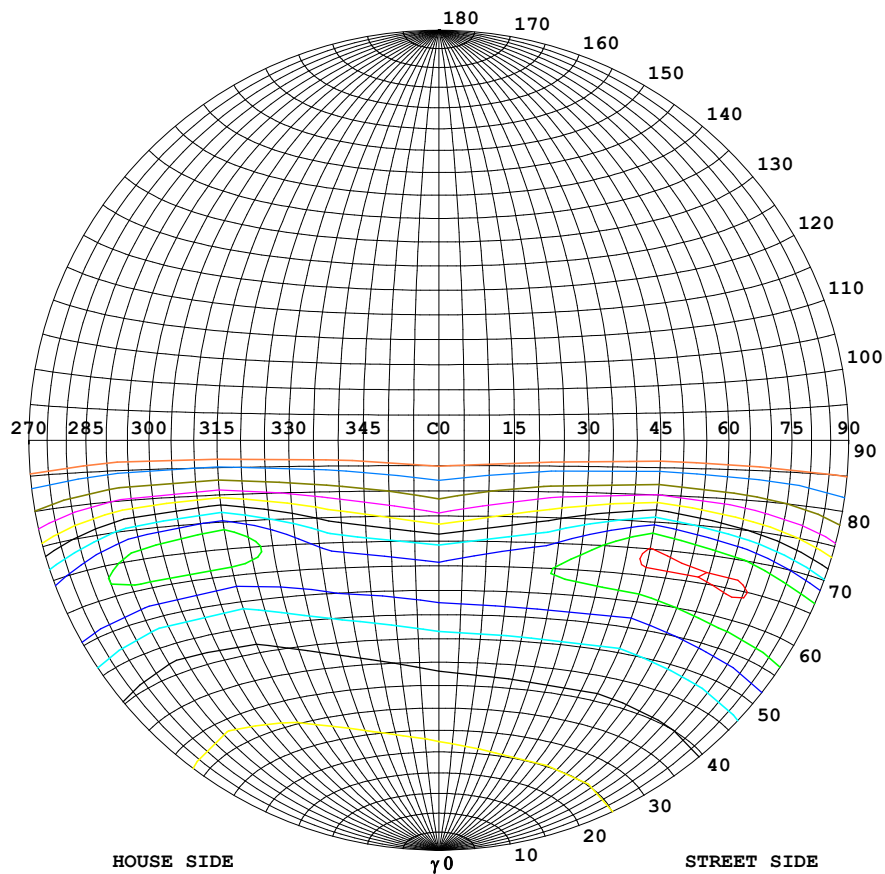
DIM.:

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.At80:148.1cd/klm

Max.At90:0cd/klm

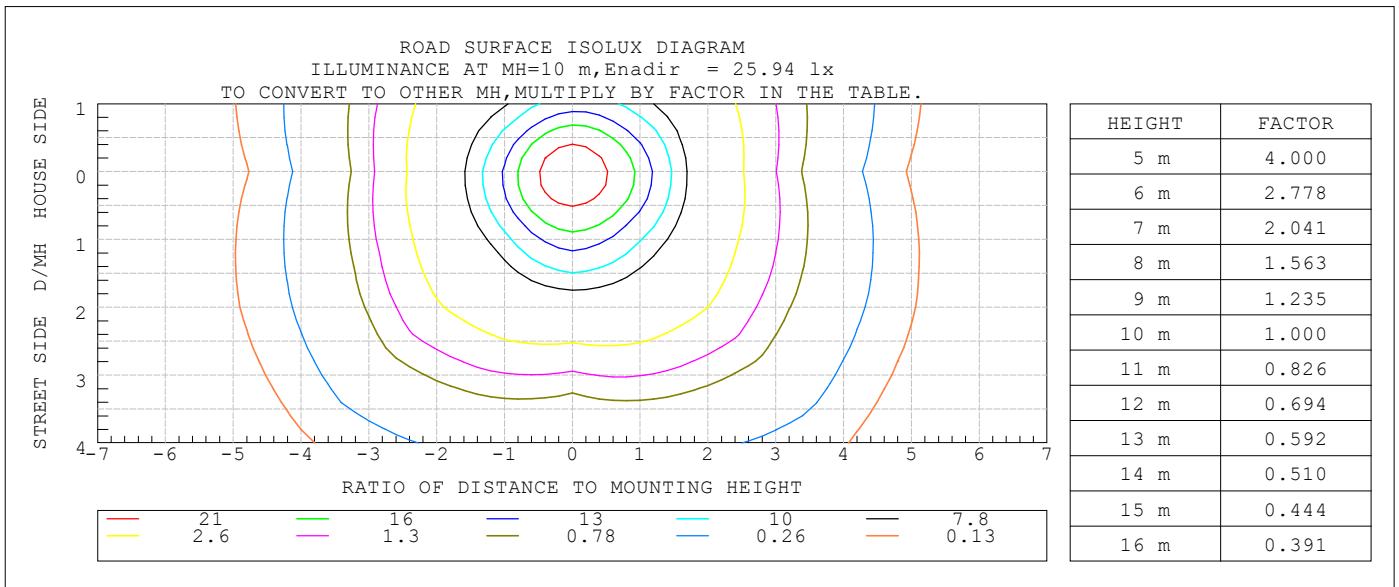
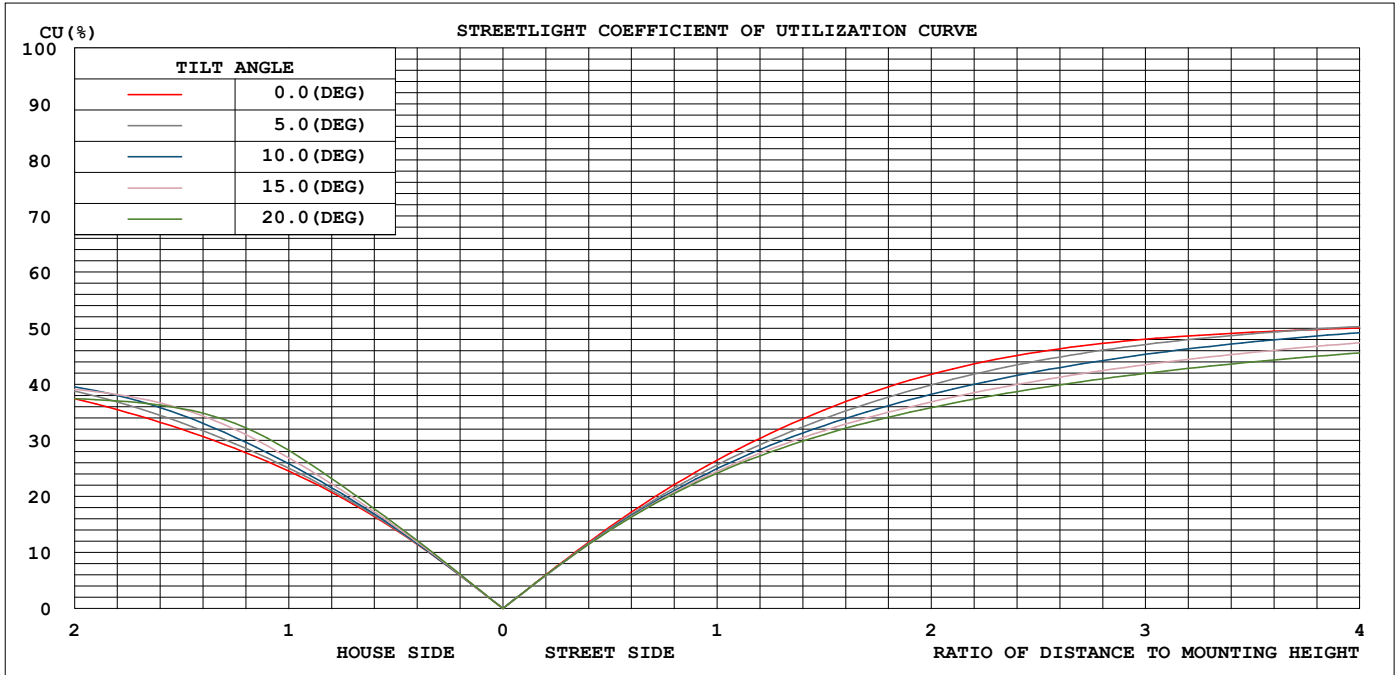
Max.80-90:148.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7287
90%	6558
80%	5829
70%	5101
60%	4372
50%	3643
40%	2915
30%	2186
20%	1457
10%	729
5%	364

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

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:

ZONAL FLUX DIAGRAM

Test:U:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

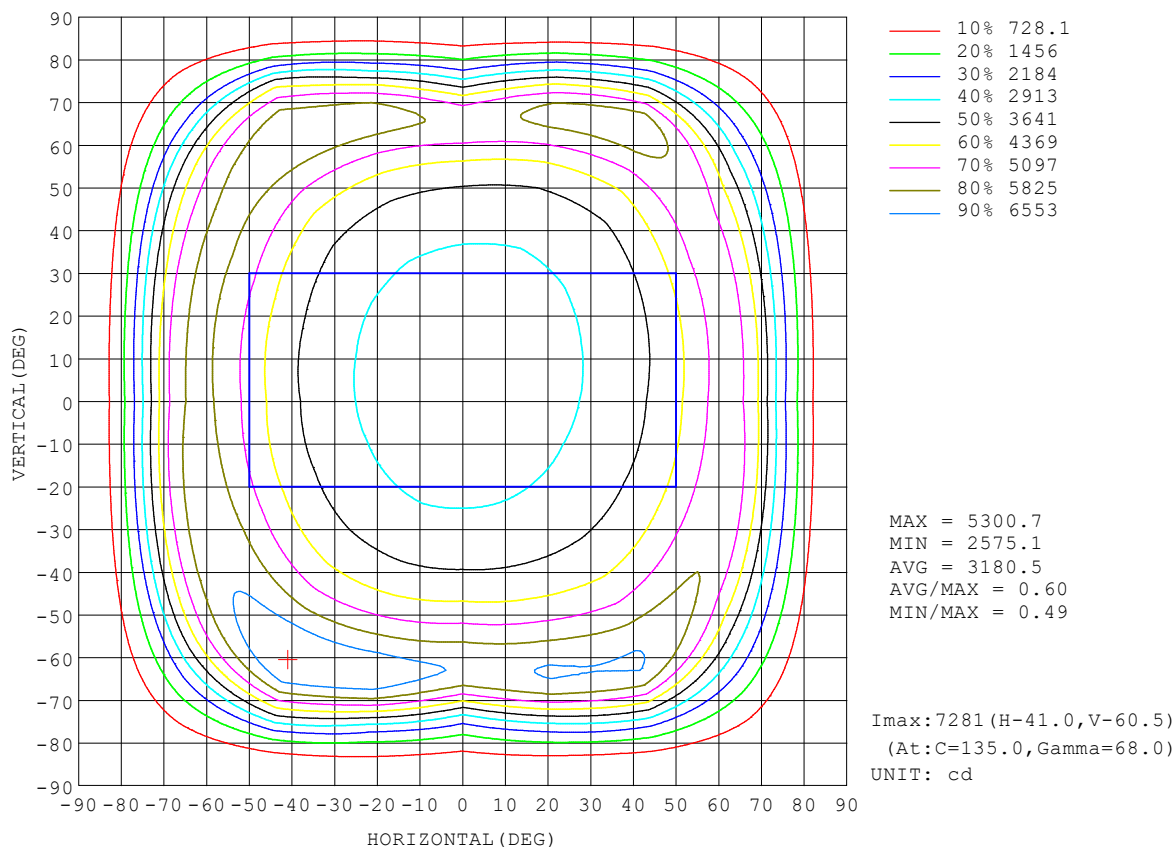
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2642	2653	2658	2644	2635	2598	2580	2600	0- 10	249.4	249.4	1.11,1.11
20	2759	2788	2792	2789	2778	2673	2618	2659	10- 20	758.8	1008	4.5,4.49
30	3002	3080	3076	3117	3120	2876	2732	2797	20- 30	1317	2325	10.4,10.4
40	3447	3557	3682	3695	3799	3291	3009	3057	30- 40	2009	4334	19.4,19.3
50	4221	4284	4801	4604	4867	3955	3608	3523	40- 50	2953	7286	32.5,32.5
60	5345	5597	6337	6211	5945	5254	5009	4569	50- 60	4382	11668	52.1,52
70	4128	6577	4436	7137	4755	6429	4900	6321	60- 70	5851	17519	78.2,78.1
80	1133	2197	1038	2569	1242	3324	1463	2634	70- 80	4122	21641	96.7,96.4
90	0	0	0	0	0	0	0	0	80- 90	749.8	22391	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	22391	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	22391	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	22391	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	22391	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	22391	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	22391	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	22391	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	22391	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	22391	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

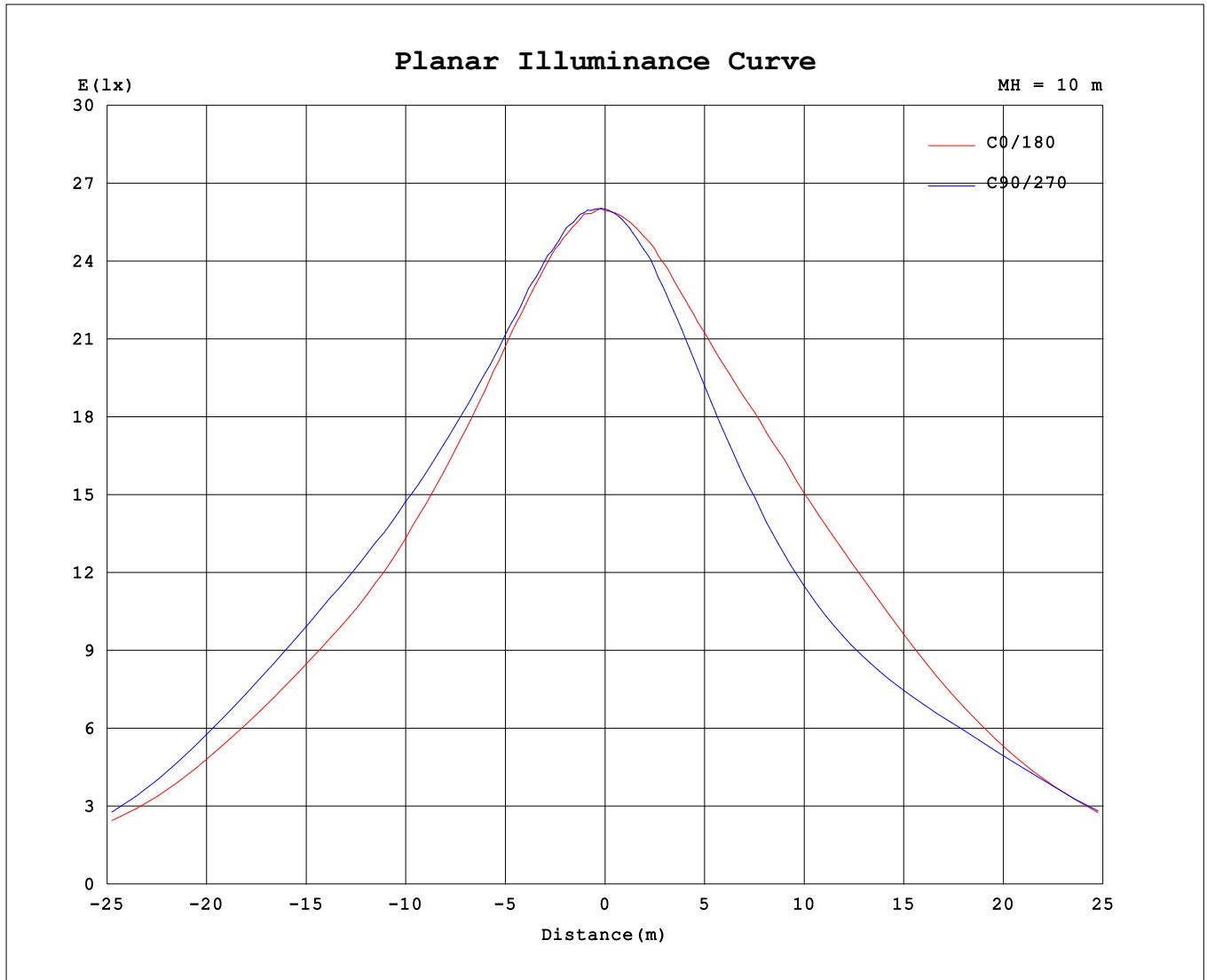
Test:U:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



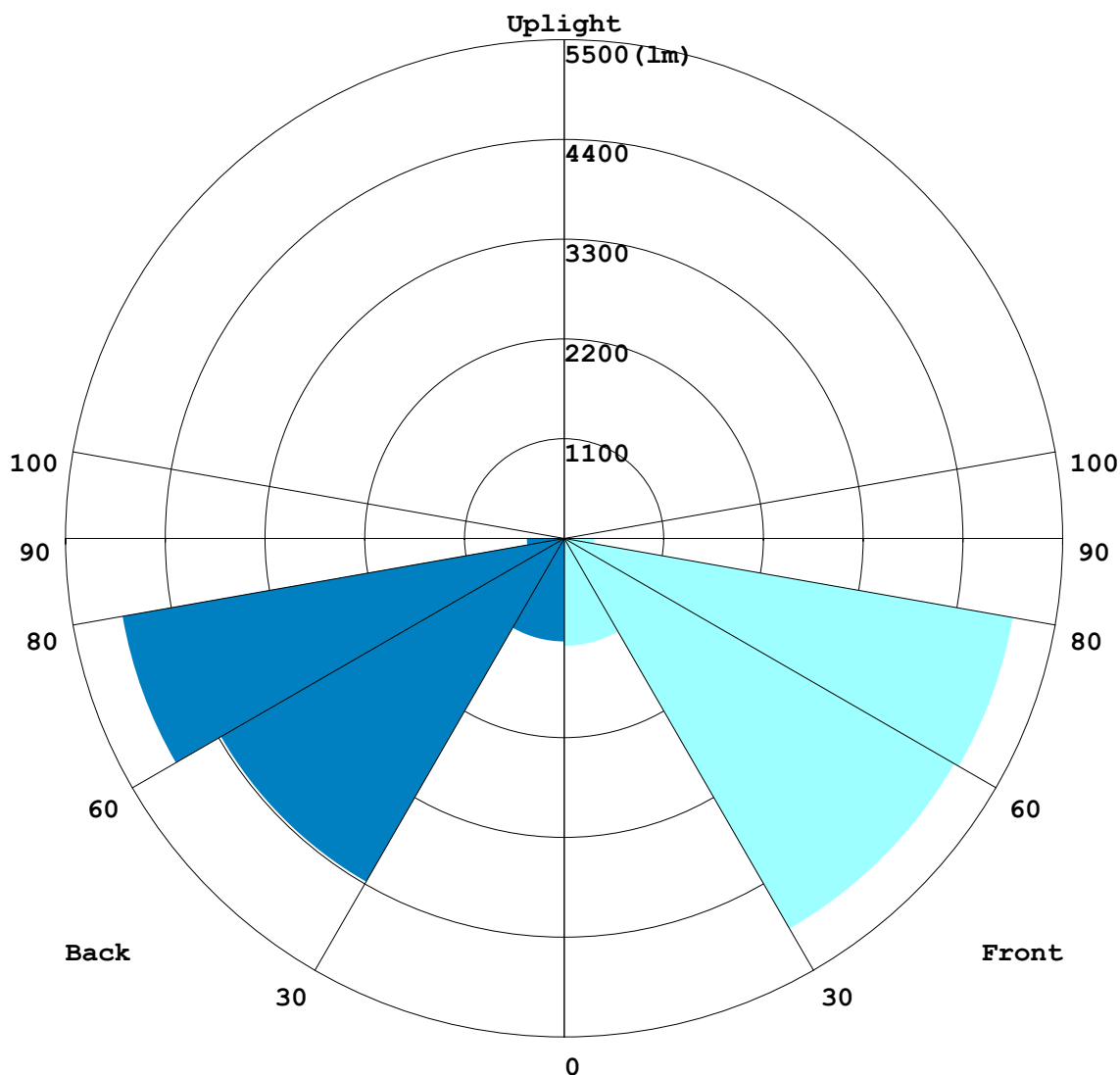
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8℃
 Operators:DAMIN
 Test Date:2024-12-22

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:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 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:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 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)	1186.6	5.3
FM - Front-Medium(30-60)	4969.7	22.2
FH - Front-High(60-80)	5025.6	22.4
FVH - Front-Very High(80-90)	336.99	1.5
Total Forward Light	11519	51.4

BL - Back-Low(0-30)	1138.5	5.1
BM - Back-Medium(30-60)	4373.7	19.5
BH - Back-High(60-80)	4947.4	22.1
BVH - Back-Very High(80-90)	412.83	1.8
Total Back Light	10872	48.6

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10872	0	10872
Street Side	11519	0	11519

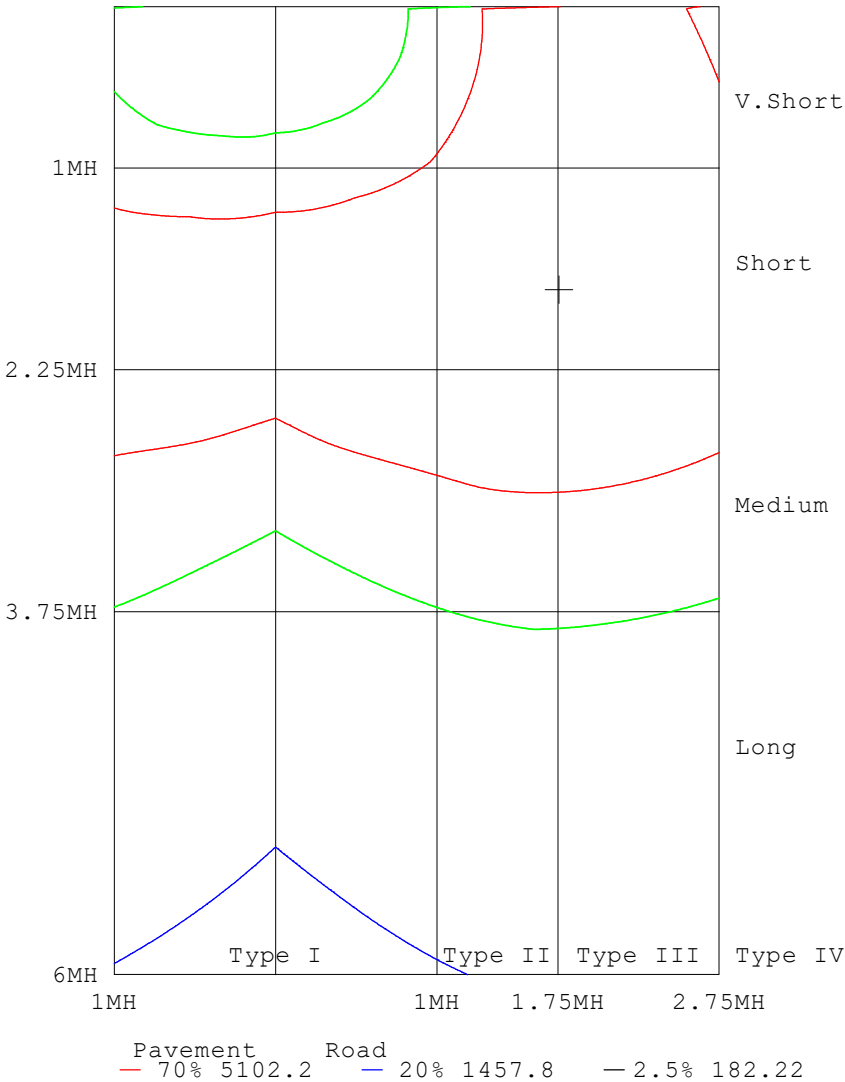
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 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:119.16V I:1.2491A P:148.76W PF:0.9994 Freq:60.01Hz Lamp Flux:22441.5x1 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	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598			
5	2617	2615	2625	2617	2624	2617	2613	2611	2605	2599	2600	2588	2585	2589	2595	2605			
10	2642	2652	2653	2650	2658	2641	2644	2644	2635	2619	2598	2585	2580	2582	2600	2624			
15	2695	2707	2706	2705	2702	2696	2701	2701	2691	2662	2621	2601	2590	2596	2621	2660			
20	2759	2801	2788	2785	2792	2777	2789	2793	2778	2733	2673	2632	2618	2622	2659	2710			
25	2868	2899	2908	2907	2908	2901	2921	2948	2914	2846	2754	2694	2663	2669	2715	2787			
30	3002	3054	3080	3084	3076	3085	3117	3150	3120	3019	2876	2781	2732	2739	2797	2897			
35	3190	3264	3288	3330	3332	3338	3371	3433	3417	3260	3056	2916	2847	2838	2908	3050			
40	3447	3532	3557	3623	3682	3668	3695	3802	3799	3575	3291	3103	3009	2981	3057	3254			
45	3775	3869	3880	4020	4167	4106	4090	4246	4269	3972	3573	3349	3247	3174	3250	3521			
50	4221	4293	4284	4566	4801	4689	4604	4821	4867	4501	3955	3711	3608	3470	3523	3881			
55	4815	4869	4850	5290	5602	5489	5311	5502	5505	5148	4520	4261	4177	3943	3948	4430			
60	5345	5496	5597	6130	6337	6410	6211	6150	5945	5747	5254	5052	5009	4705	4569	5103			
65	5220	5771	6385	6615	6230	7035	7080	6392	5820	5996	6055	5933	5651	5686	5515	5473			
70	4128	4958	6577	5859	4436	6273	7137	5778	4755	5505	6429	6082	4900	6029	6321	4815			
75	2349	3432	4850	3596	2307	3782	5421	4296	2866	4269	5629	4523	3066	4589	5223	3418			
80	1133	1811	2197	1664	1038	1644	2569	2087	1242	2134	3324	2184	1463	2275	2634	1845			
85	346	527	555	437	350	534	595	546	372	693	851	690	410	641	753	592			
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: