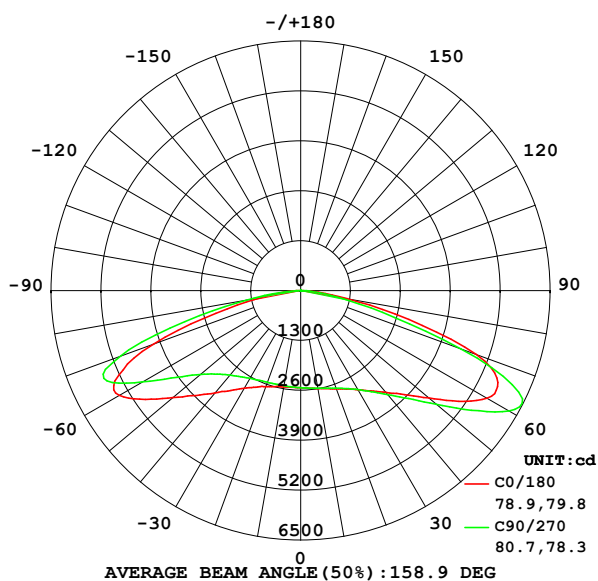
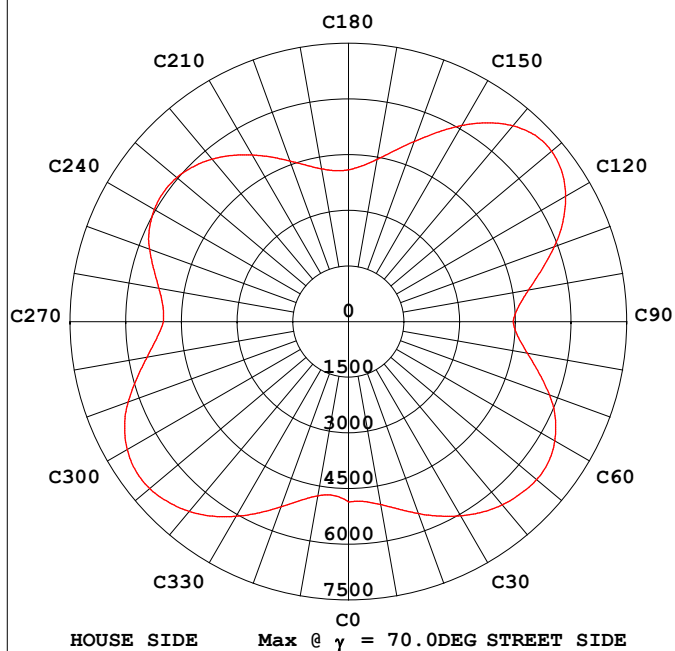


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.07 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	7109	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	51.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	21880	η house_up (%)	0.0
NOMINAL FLUX (lm)	21928.7	MAXIMUM @ (C, γ)	135,70.0	η house_down (%)	47.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	23.770

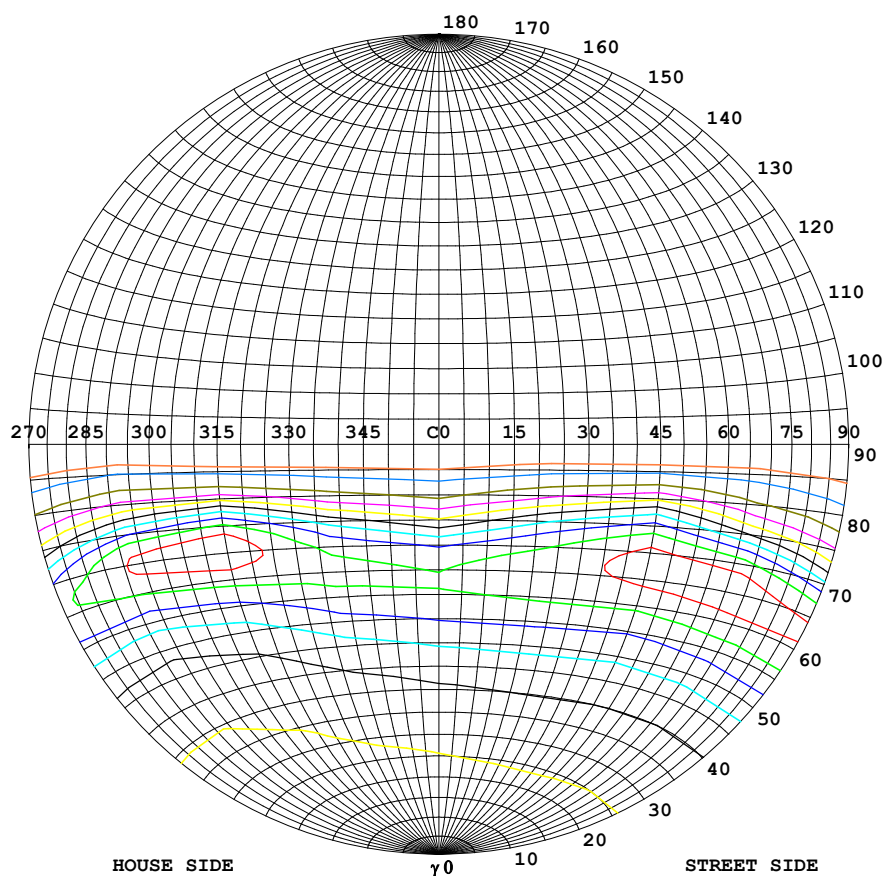
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9℃
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:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



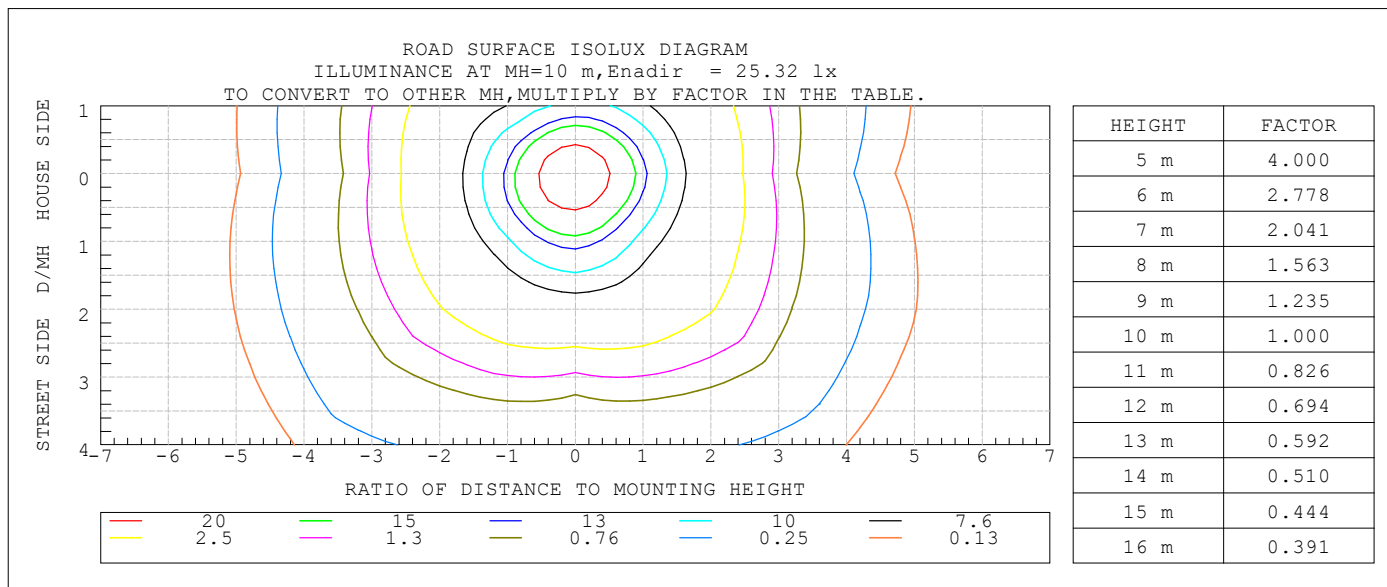
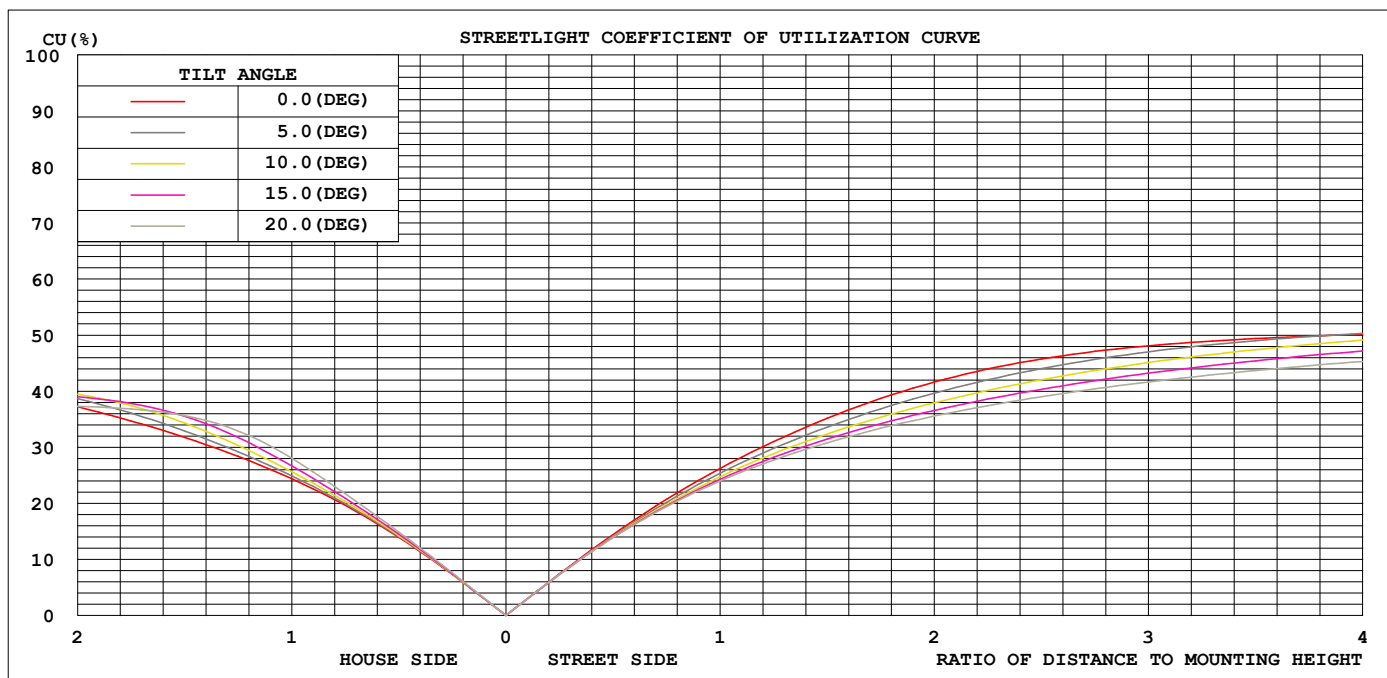
Classification:

IES:Type VS - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:123.1cd/klm
Max.At90:0cd/klm
Max.80-90:123.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7109
90%	6398
80%	5687
70%	4977
60%	4266
50%	3555
40%	2844
30%	2133
20%	1422
10%	711
5%	355

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9°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: 24.9°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:

ZONAL FLUX DIAGRAM

Test:U:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

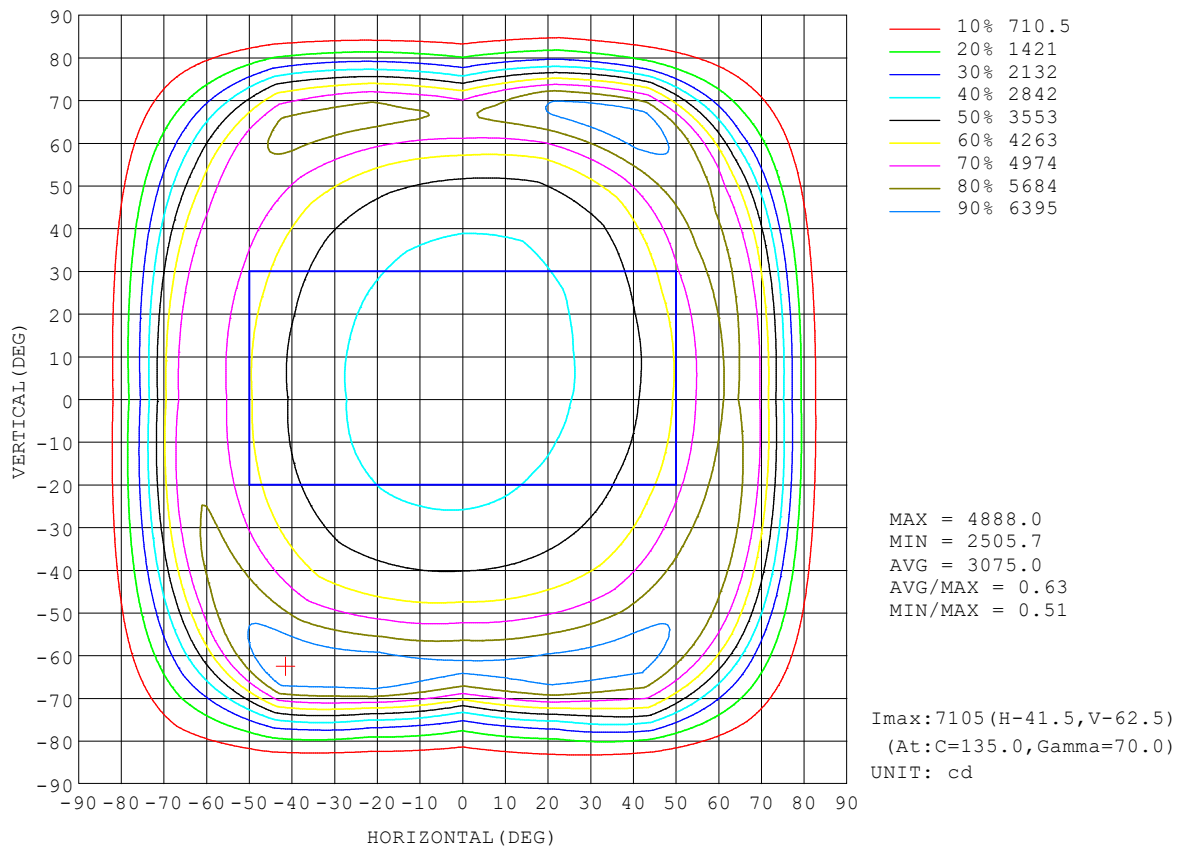
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2593	2598	2582	2559	2551	2524	2515	2549	0- 10	243.0	243.0	1.11,1.11
20	2728	2756	2711	2656	2667	2590	2544	2617	10- 20	738.8	981.8	4.49,4.48
30	2983	3048	2981	2902	2942	2764	2643	2751	20- 30	1278	2259	10.3,10.3
40	3470	3555	3536	3357	3489	3111	2875	3013	30- 40	1933	4193	19.2,19.1
50	4354	4394	4611	4106	4343	3714	3407	3511	40- 50	2828	7021	32.1,32
60	5608	5841	6269	5528	5461	4836	4766	4842	50- 60	4230	11251	51.4,51.3
70	4862	6553	4440	7109	4096	5912	4989	6869	60- 70	5787	17038	77.9,77.7
80	1234	2698	931.9	2445	1060	2697	1440	2621	70- 80	4123	21161	96.7,96.5
90	0	0	0	0	0	0	0	0	80- 90	718.5	21880	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	21880	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	21880	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	21880	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	21880	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	21880	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	21880	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	21880	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	21880	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	21880	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9℃
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

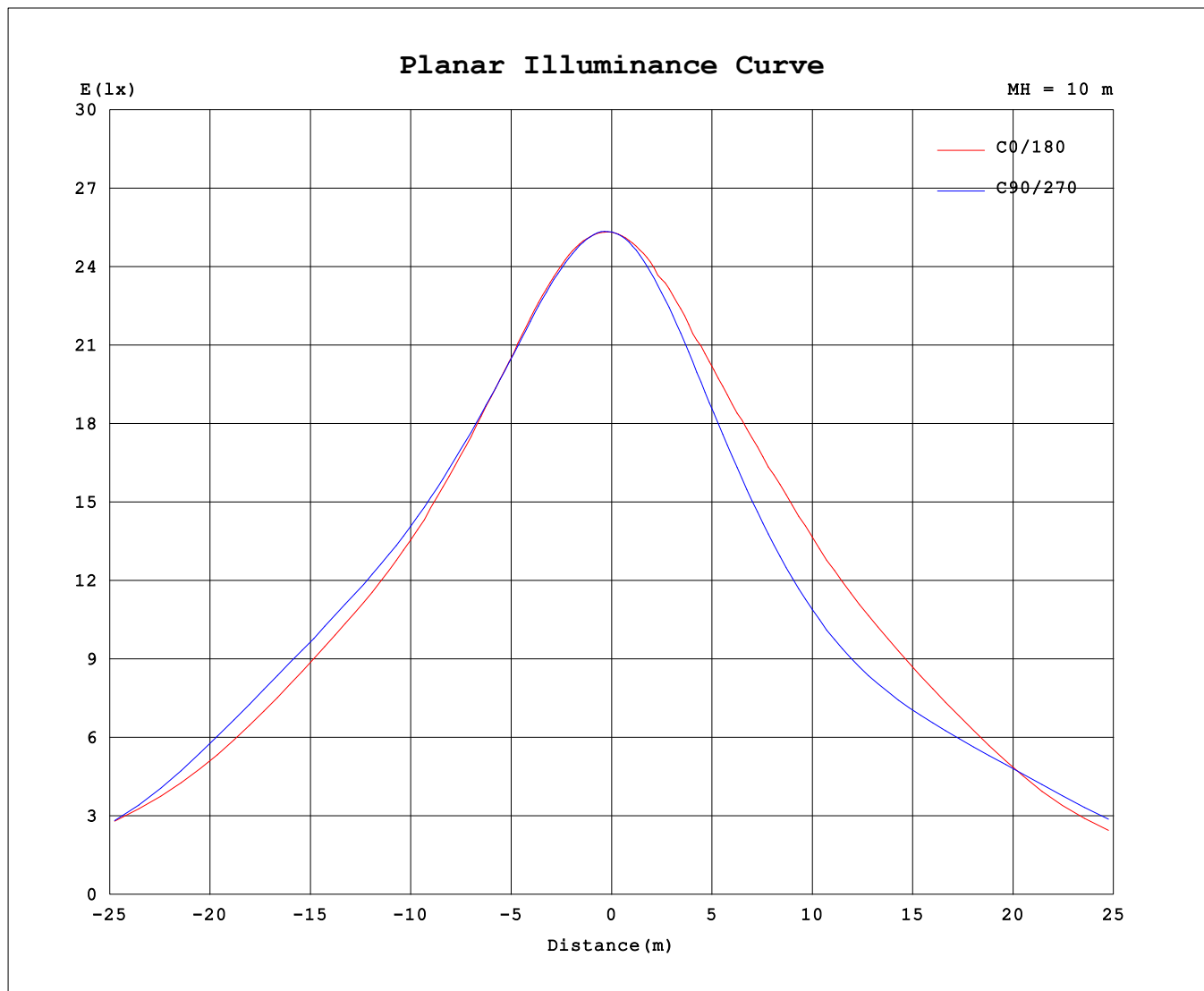
Test:U:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9°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



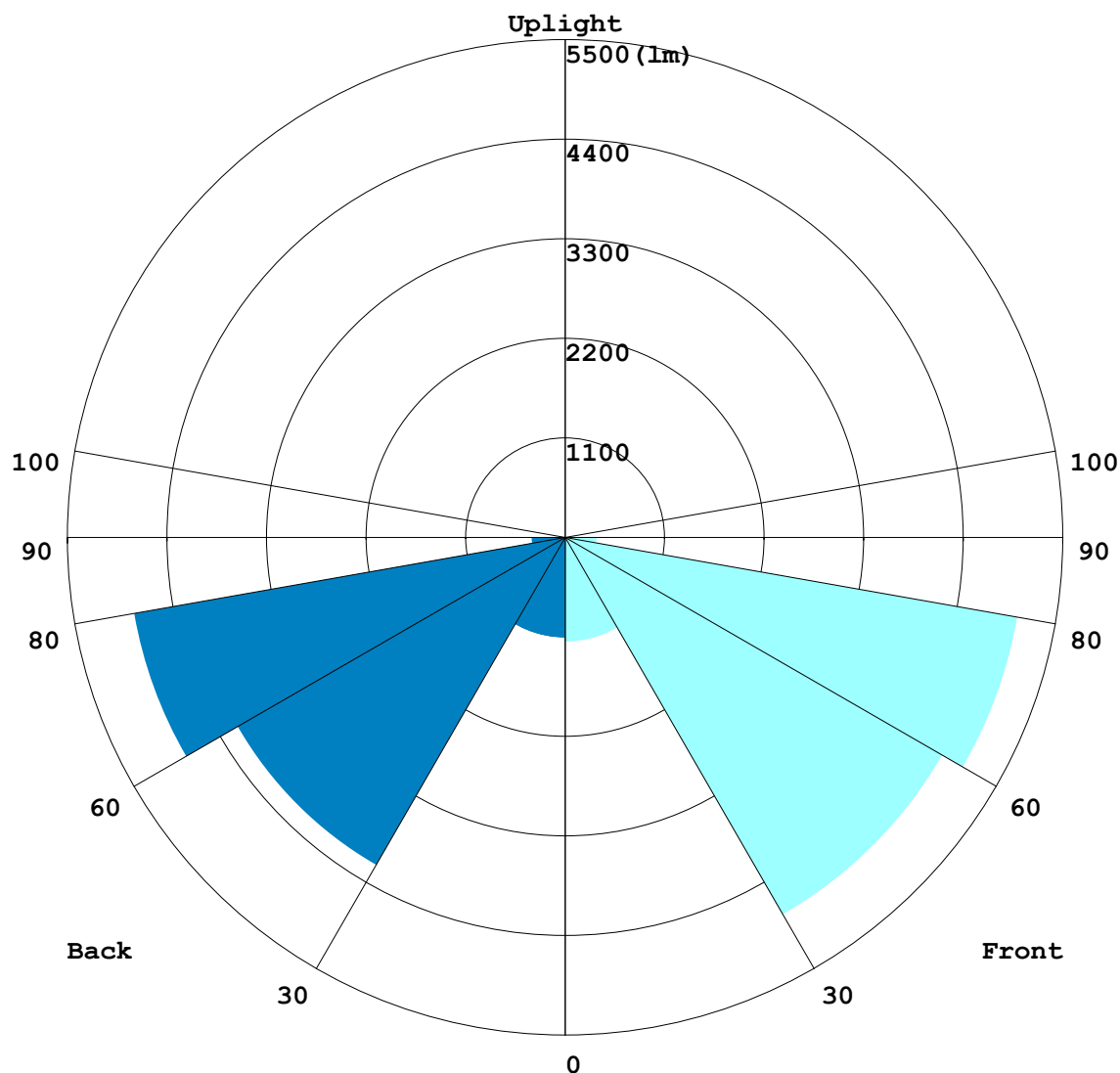
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-22

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:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 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: 24.9℃
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:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 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)	1153.6	5.3
FM - Front-Medium(30-60)	4813	22.0
FH - Front-High(60-80)	5076.1	23.2
FVH - Front-Very High(80-90)	347.99	1.6
Total Forward Light	11391	52.1

BL - Back-Low(0-30)	1105.8	5.1
BM - Back-Medium(30-60)	4178.3	19.1
BH - Back-High(60-80)	4834.5	22.1
BVH - Back-Very High(80-90)	370.51	1.7
Total Back Light	10489	47.9

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	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10489	0	10489
Street Side	11391	0	11391

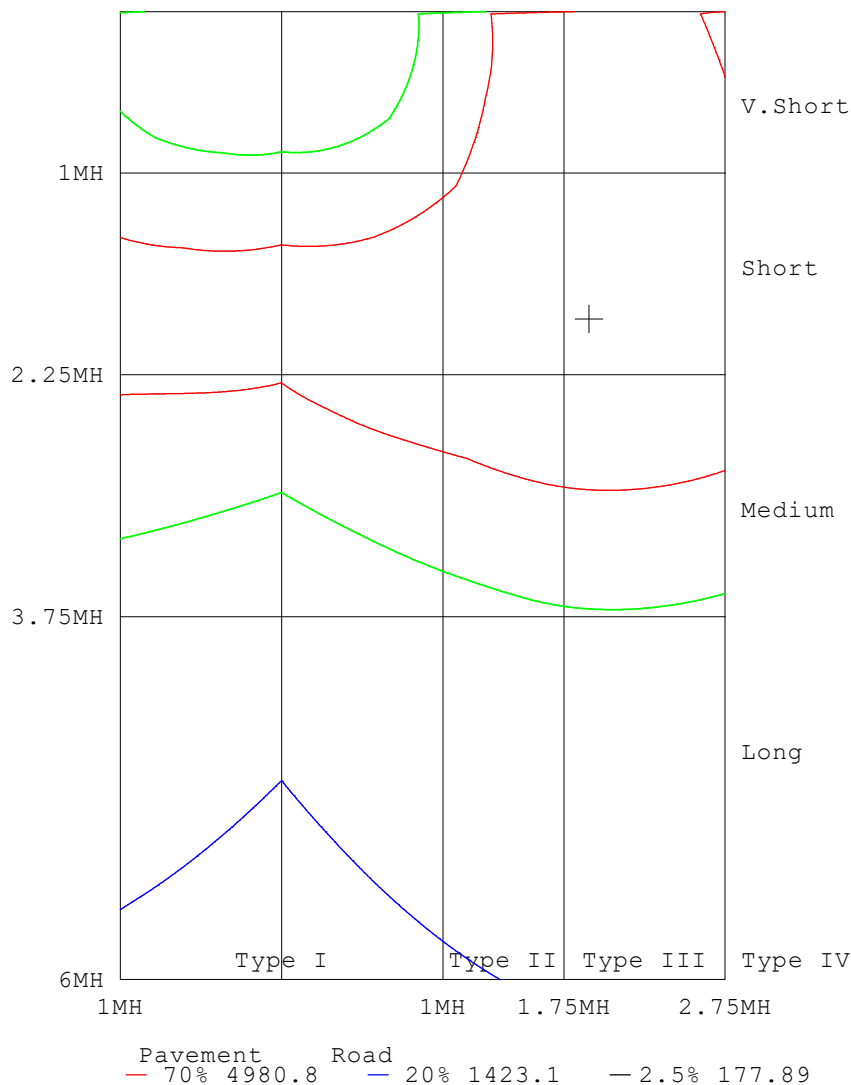
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-22

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:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 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: 24.9°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:119.13V I:1.2667A P:150.82W PF:0.9994 Freq:60.01Hz Lamp Flux:21928.7x1 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	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533	2533			
5	2552	2557	2558	2558	2551	2548	2539	2535	2530	2528	2521	2520	2522	2526	2537	2551			
10	2593	2598	2598	2593	2582	2573	2559	2544	2551	2536	2524	2513	2515	2524	2549	2579			
15	2648	2666	2664	2648	2633	2619	2600	2595	2595	2572	2546	2523	2522	2537	2575	2625			
20	2728	2753	2756	2732	2711	2688	2656	2648	2667	2630	2590	2549	2544	2562	2617	2687			
25	2835	2871	2881	2848	2818	2792	2761	2765	2778	2723	2661	2601	2579	2597	2666	2772			
30	2983	3043	3048	3017	2981	2946	2902	2917	2942	2866	2764	2679	2643	2657	2751	2890			
35	3186	3270	3266	3245	3215	3161	3096	3133	3179	3066	2913	2794	2739	2741	2863	3064			
40	3470	3564	3555	3551	3536	3453	3357	3417	3489	3334	3111	2954	2875	2864	3013	3286			
45	3837	3948	3917	3962	3981	3837	3680	3773	3868	3667	3367	3172	3082	3034	3213	3595			
50	4354	4461	4394	4534	4611	4387	4106	4218	4343	4096	3714	3504	3407	3298	3511	4055			
55	5027	5125	5043	5301	5434	5172	4716	4786	4941	4649	4209	4023	3943	3759	4016	4721			
60	5608	5786	5841	6157	6269	6155	5528	5465	5461	5226	4836	4769	4766	4557	4842	5450			
65	5668	6100	6539	6689	6267	6910	6536	5951	5225	5440	5542	5606	5570	5725	5986	5837			
70	4862	5645	6553	5978	4440	6153	7109	5384	4096	4747	5912	5833	4989	6506	6869	5492			
75	2919	4224	5215	3531	2217	3449	5535	3823	2295	3431	4934	4333	3126	4937	5818	3958			
80	1234	2033	2698	1517	932	1387	2445	2053	1060	1848	2697	2110	1440	2306	2621	1674			
85	361	545	635	515	309	373	648	668	333	599	734	615	410	731	592	452			
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: 24.9℃

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: