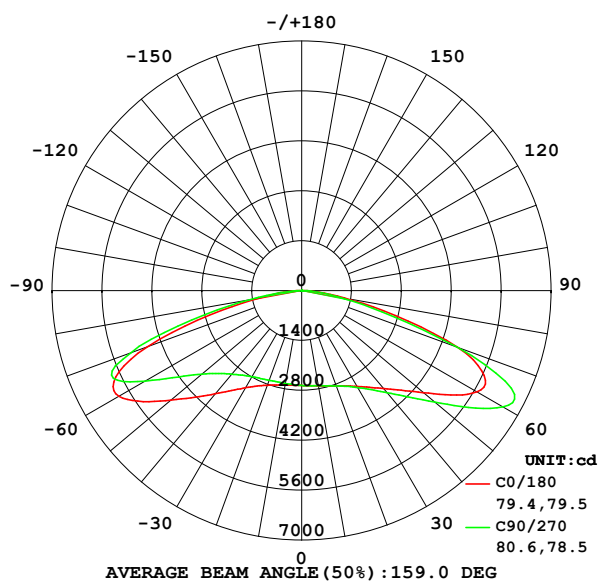
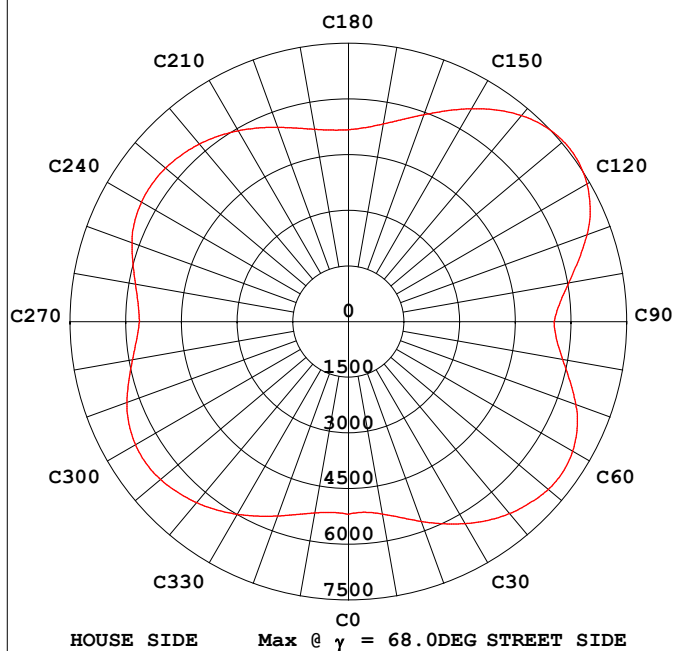


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.17 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	7458	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	51.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22978	η house_up (%)	0.0
NOMINAL FLUX (lm)	23029.4	MAXIMUM @ (C, γ)	135,68.0	η house_down (%)	48.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	23.785

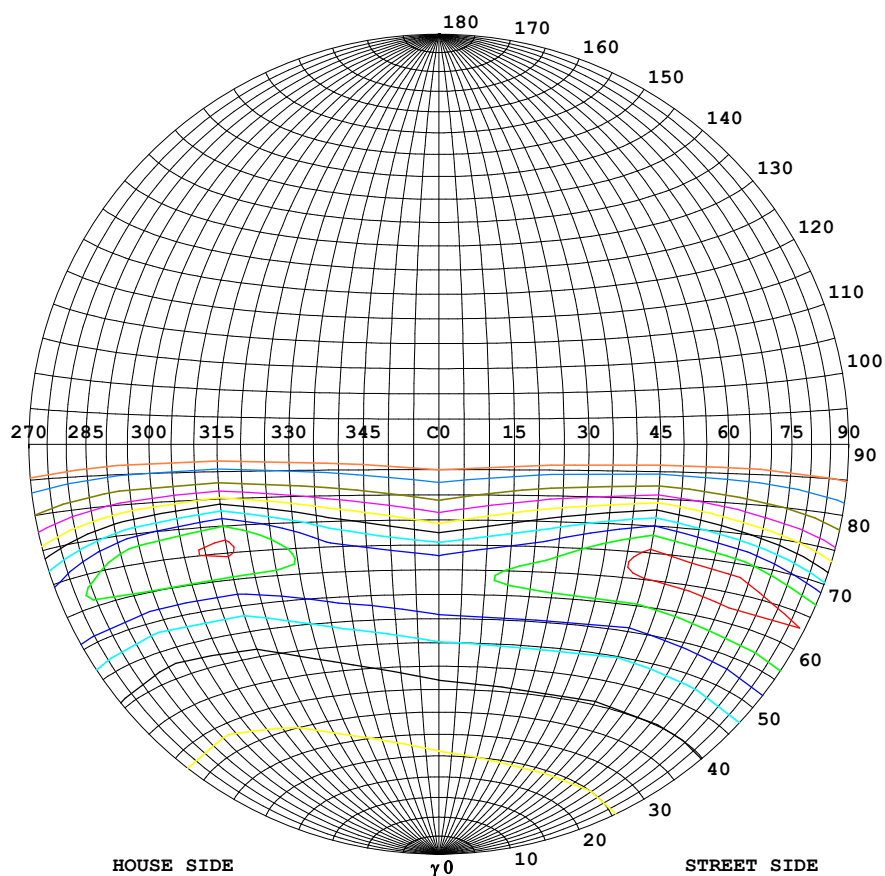
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



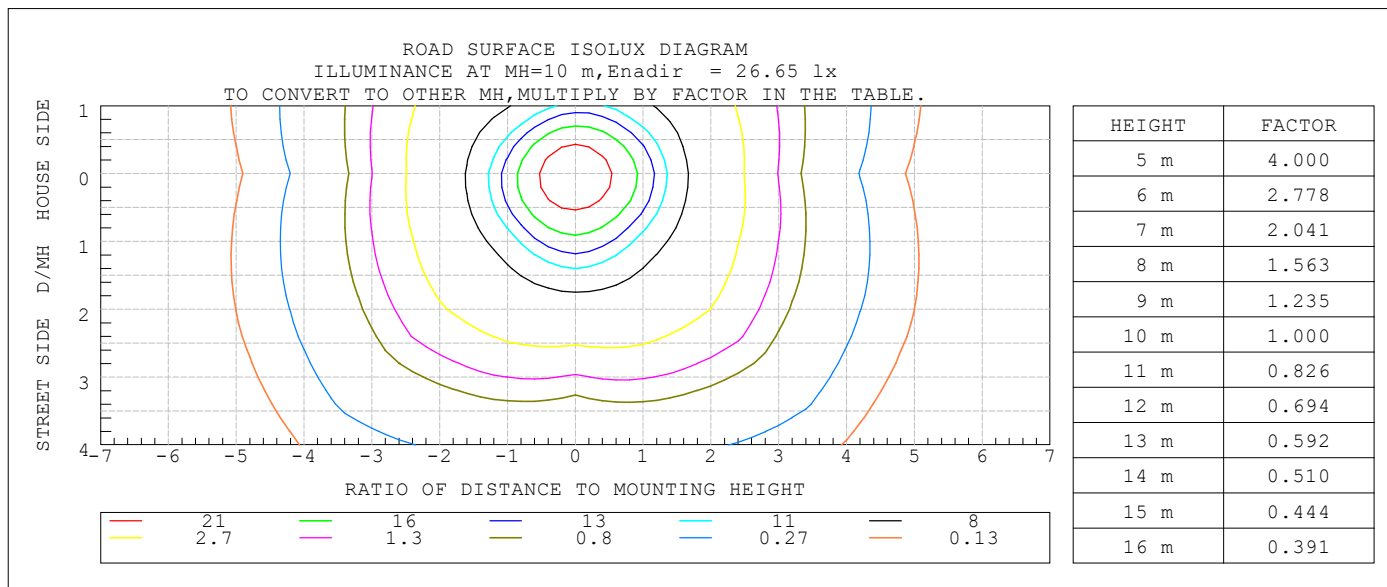
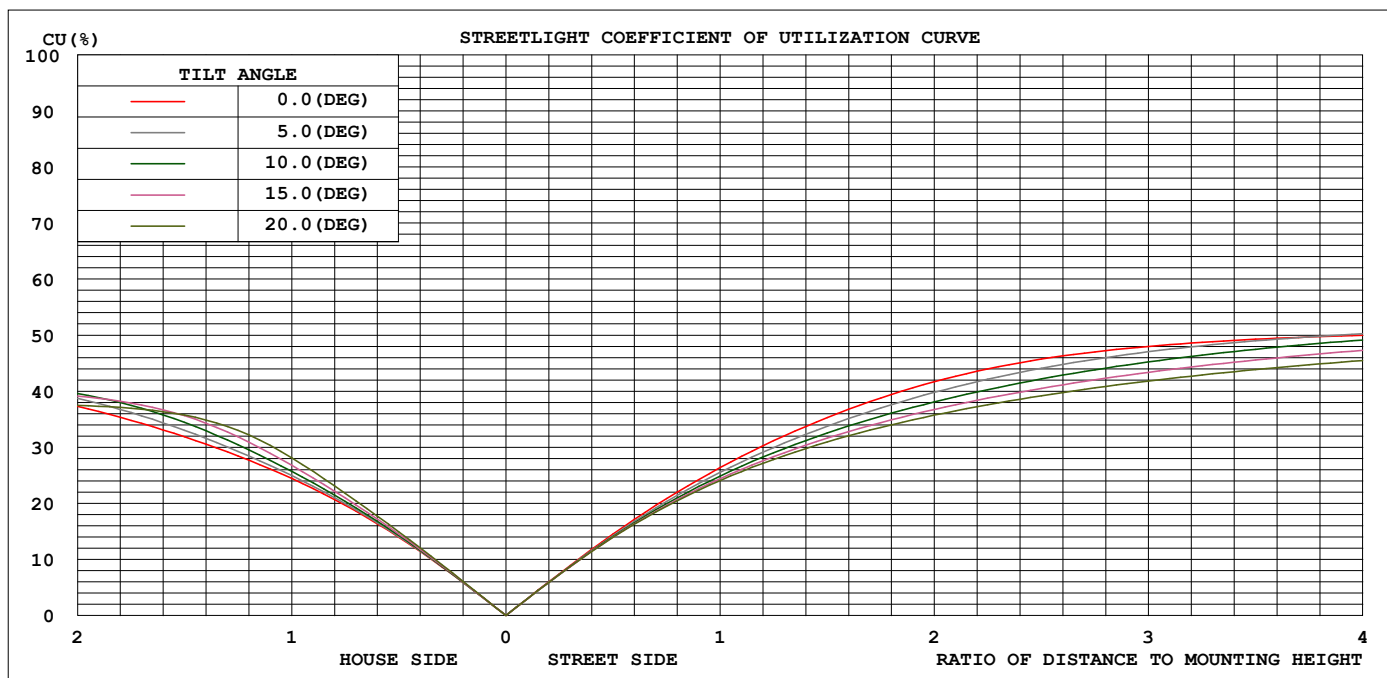
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:135.6cd/klm
Max.At90:0cd/klm
Max.80-90:135.6cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		7458
90%		6712
80%		5966
70%		5220
60%		4475
50%		3729
40%		2983
30%		2237
20%		1492
10%		746
5%		373

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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX 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:

ZONAL FLUX DIAGRAM

Test:U:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

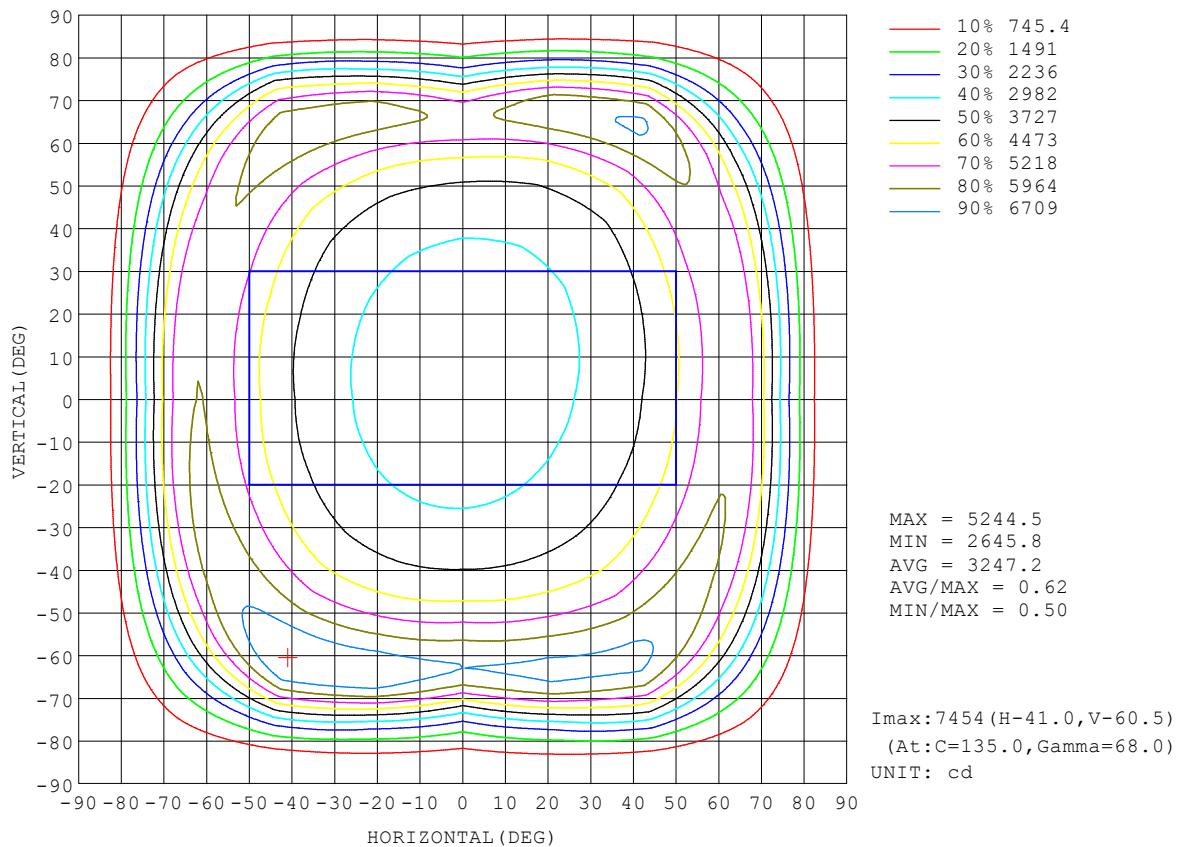
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2718	2727	2715	2704	2694	2660	2646	2673	0- 10	255.6	255.6	1.11,1.11
20	2849	2878	2850	2839	2829	2733	2682	2735	10- 20	777.5	1033	4.5,4.49
30	3105	3171	3143	3142	3149	2931	2792	2872	20- 30	1347	2380	10.4,10.3
40	3594	3682	3740	3688	3784	3326	3059	3136	30- 40	2047	4427	19.3,19.2
50	4454	4497	4870	4573	4786	3992	3650	3616	40- 50	3002	7429	32.3,32.3
60	5685	5917	6527	6186	5927	5247	5081	4787	50- 60	4470	11899	51.8,51.7
70	4659	6813	4614	7346	4597	6421	5093	6796	60- 70	6037	17936	78.1,77.9
80	1228	2554	1033	2352	1198	3123	1501	3087	70- 80	4277	22213	96.7,96.5
90	0	0	0	0	0	0	0	0	80- 90	765.2	22978	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	22978	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	22978	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	22978	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	22978	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	22978	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	22978	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	22978	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	22978	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	22978	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

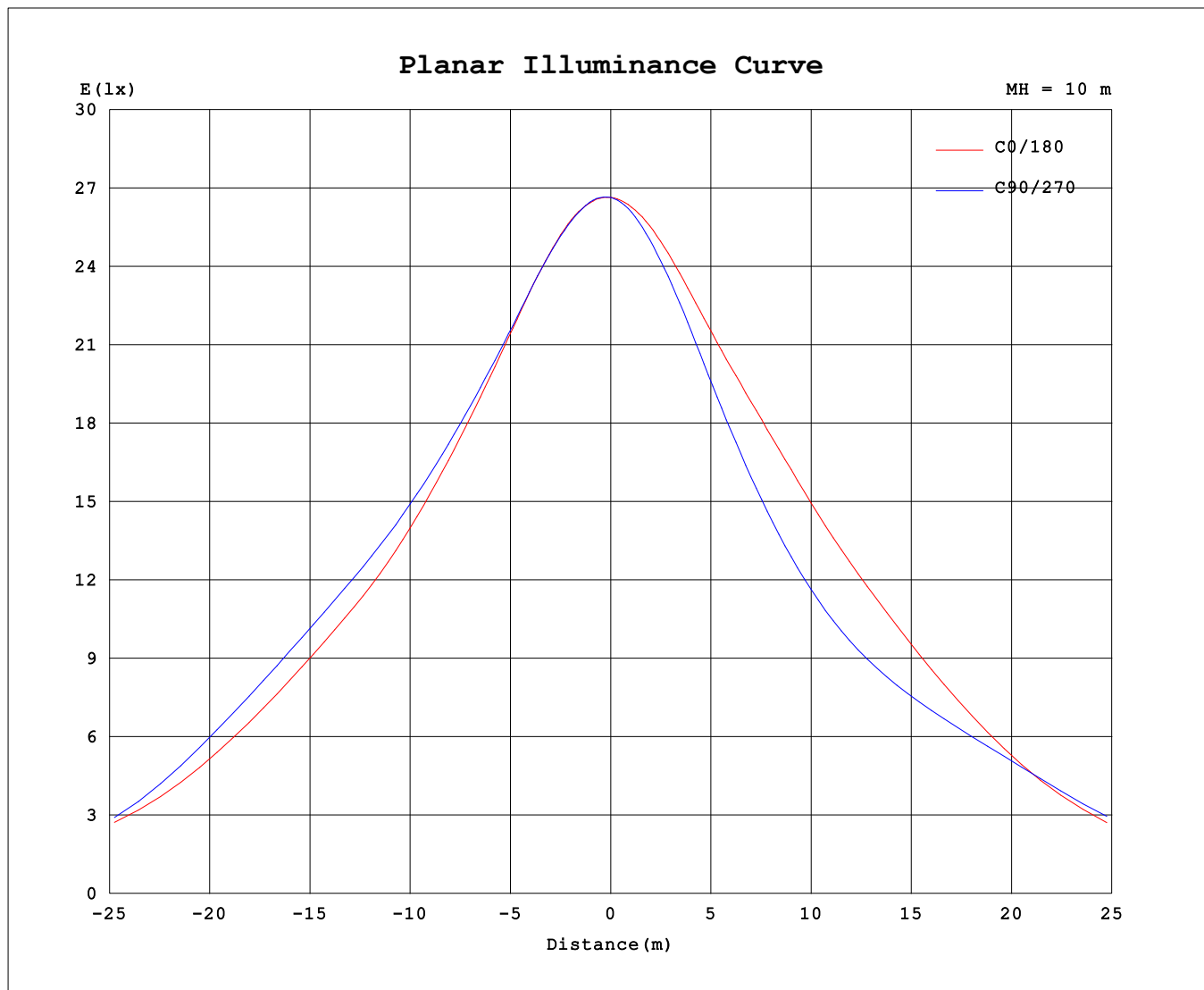
Test:U:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



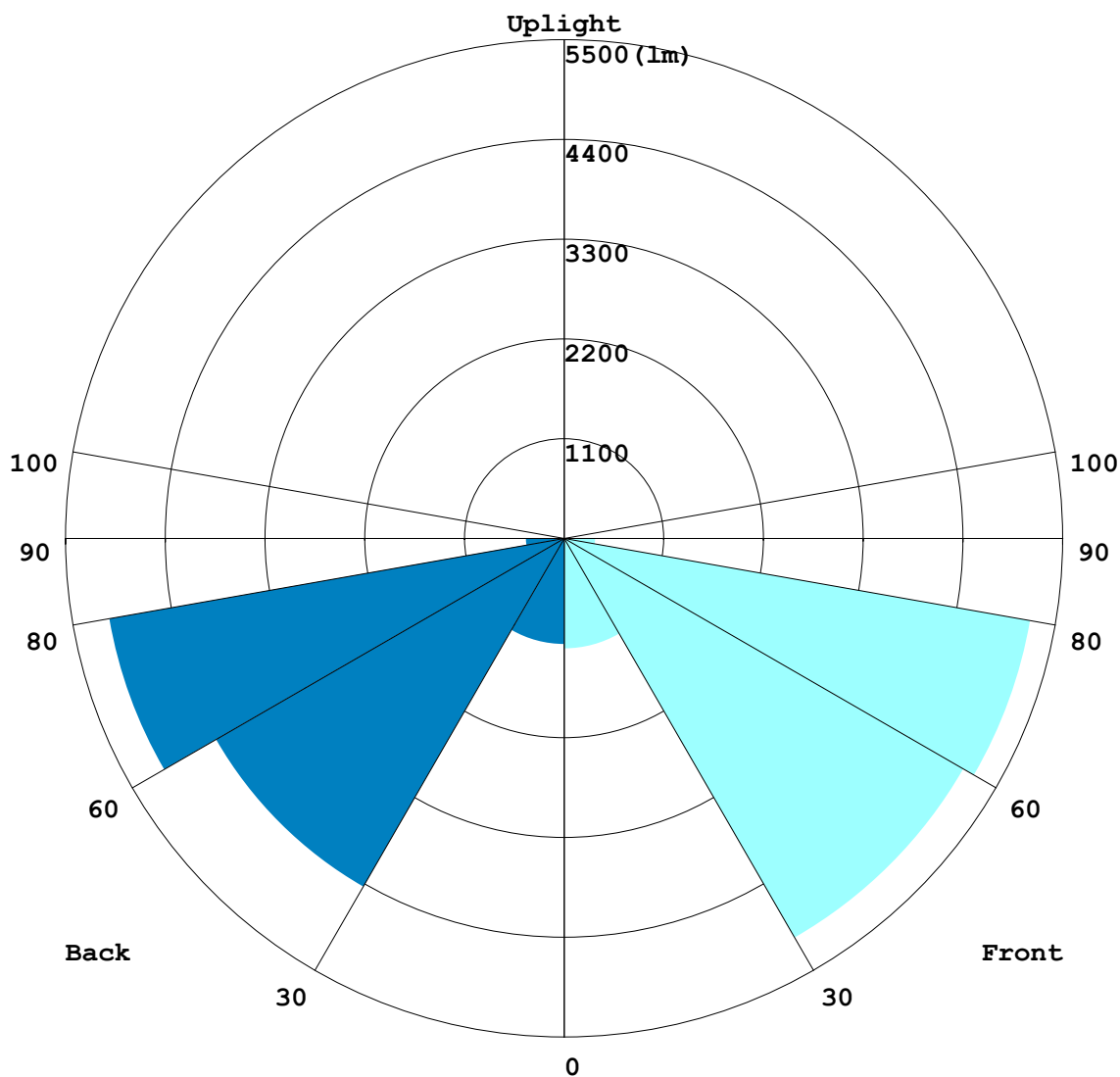
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9°C
 Operators: DAMIN
 Test Date: 2024-12-22

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:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 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:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 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)	1215.4	5.3
FM - Front-Medium(30-60)	5085.5	22.1
FH - Front-High(60-80)	5218.7	22.7
FVH - Front-Very High(80-90)	342.23	1.5
Total Forward Light	11862	51.6

BL - Back-Low(0-30)	1164.9	5.1
BM - Back-Medium(30-60)	4433.1	19.3
BH - Back-High(60-80)	5094.9	22.2
BVH - Back-Very High(80-90)	423.01	1.8
Total Back Light	11116	48.4

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11116	0	11116
Street Side	11862	0	11862

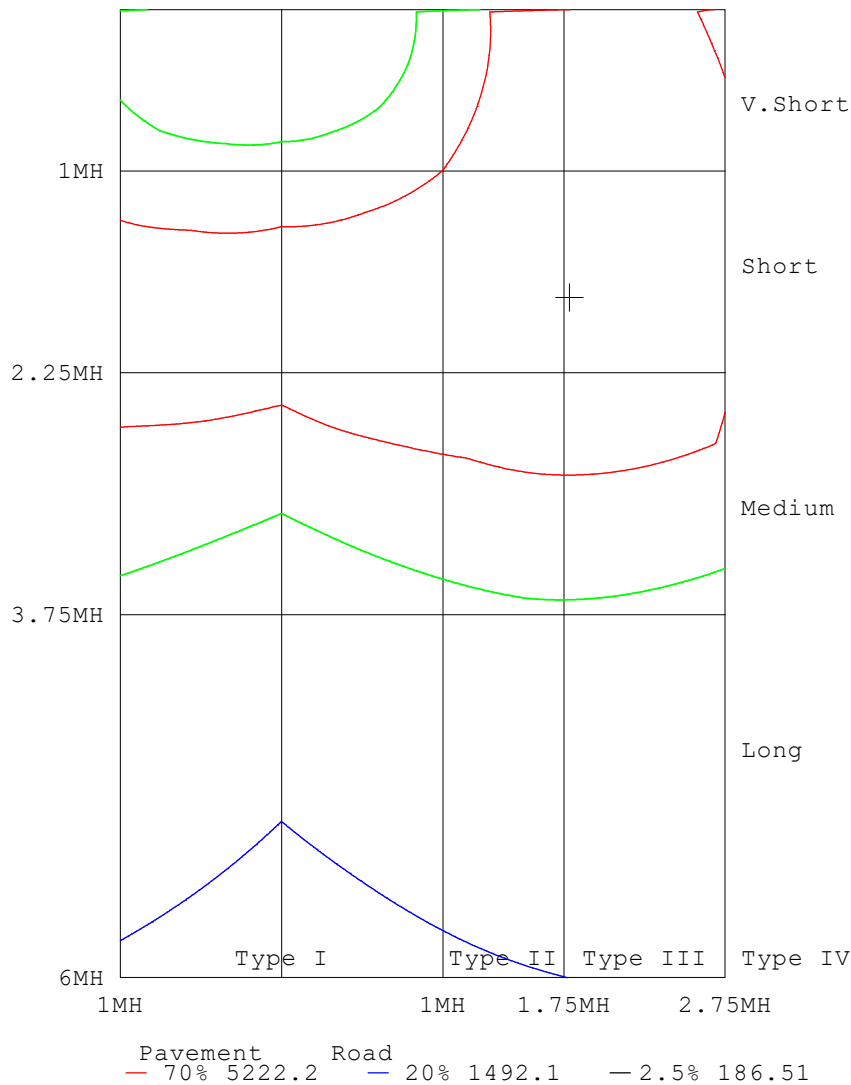
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-22

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:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 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:119.19V I:1.2045A P:143.46W PF:0.9994 Freq:60.01Hz Lamp Flux:23029.4x1 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	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665	2665			
5	2681	2686	2688	2686	2684	2681	2676	2672	2668	2663	2655	2651	2652	2656	2663	2675			
10	2718	2726	2727	2722	2715	2707	2704	2702	2694	2679	2660	2647	2646	2651	2673	2699			
15	2771	2790	2787	2777	2769	2760	2756	2756	2746	2721	2684	2660	2655	2665	2695	2739			
20	2849	2876	2878	2862	2850	2837	2839	2841	2829	2786	2733	2692	2682	2694	2735	2794			
25	2954	2996	3003	2985	2966	2954	2958	2973	2957	2892	2812	2750	2723	2736	2788	2875			
30	3105	3167	3171	3161	3143	3128	3142	3169	3149	3057	2931	2836	2792	2803	2872	2992			
35	3317	3392	3396	3400	3395	3369	3379	3435	3427	3287	3102	2966	2902	2902	2984	3157			
40	3594	3682	3682	3717	3740	3692	3688	3779	3784	3592	3326	3147	3059	3039	3136	3371			
45	3957	4055	4034	4133	4217	4111	4068	4203	4227	3972	3606	3391	3293	3229	3335	3660			
50	4454	4540	4497	4713	4870	4703	4573	4748	4786	4472	3992	3751	3650	3523	3616	4066			
55	5109	5180	5125	5483	5712	5522	5271	5410	5430	5094	4533	4310	4227	4010	4070	4676			
60	5685	5849	5917	6356	6527	6509	6186	6093	5927	5708	5247	5108	5081	4821	4787	5407			
65	5648	6156	6691	6897	6489	7226	7156	6405	5753	5942	6034	5997	5830	5933	5846	5853			
70	4659	5496	6813	6147	4614	6455	7346	5673	4597	5307	6421	6198	5093	6499	6796	5396			
75	2728	3961	5226	3714	2342	3771	5380	4045	2687	4009	5455	4581	3201	4889	5947	4023			
80	1228	2000	2554	1684	1033	1613	2352	1992	1198	2069	3123	2220	1501	2366	3087	2009			
85	368	561	623	498	346	480	554	537	367	670	816	674	421	705	863	641			
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: