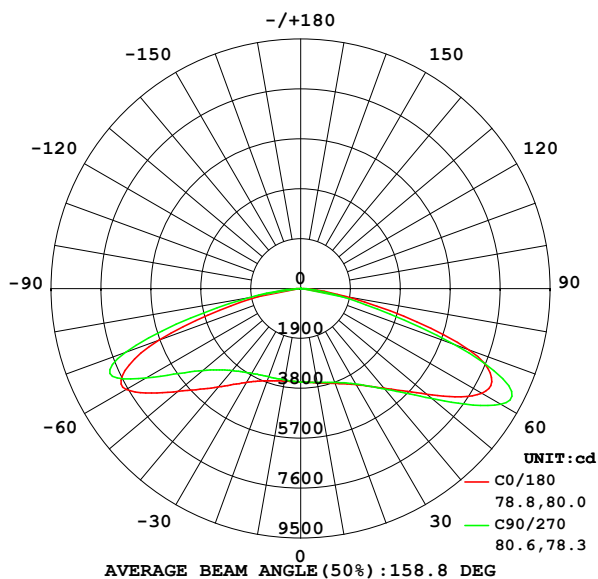
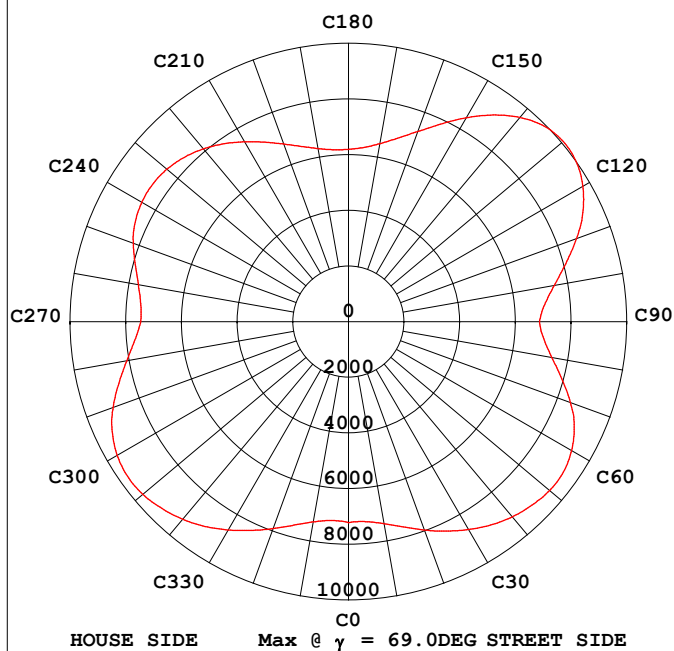


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.34 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	9945	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	51.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30830	η house_up (%)	0.0
NOMINAL FLUX (lm)	30899.3	MAXIMUM @ (C, γ)	135,69.0	η house_down (%)	48.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.207

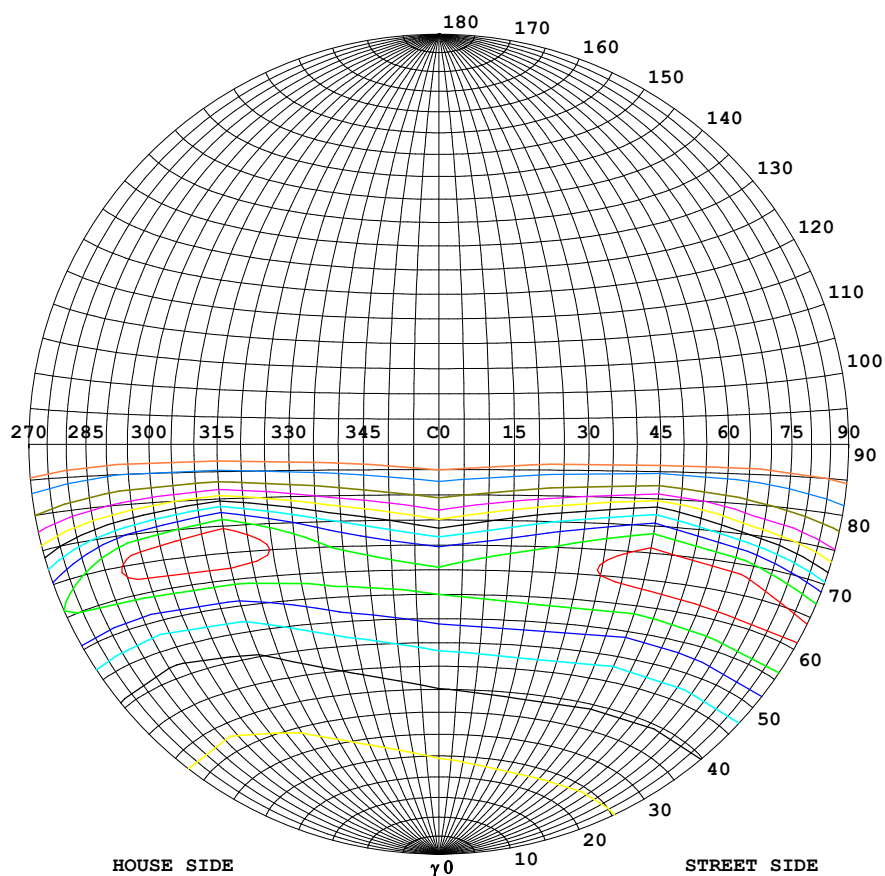
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



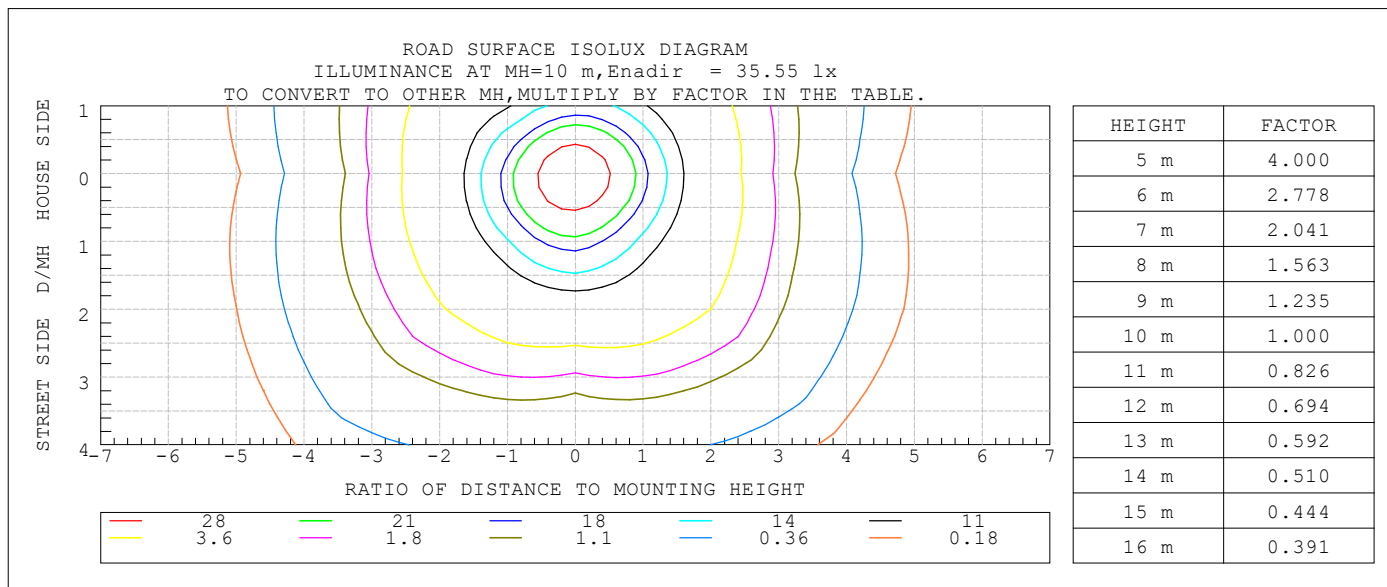
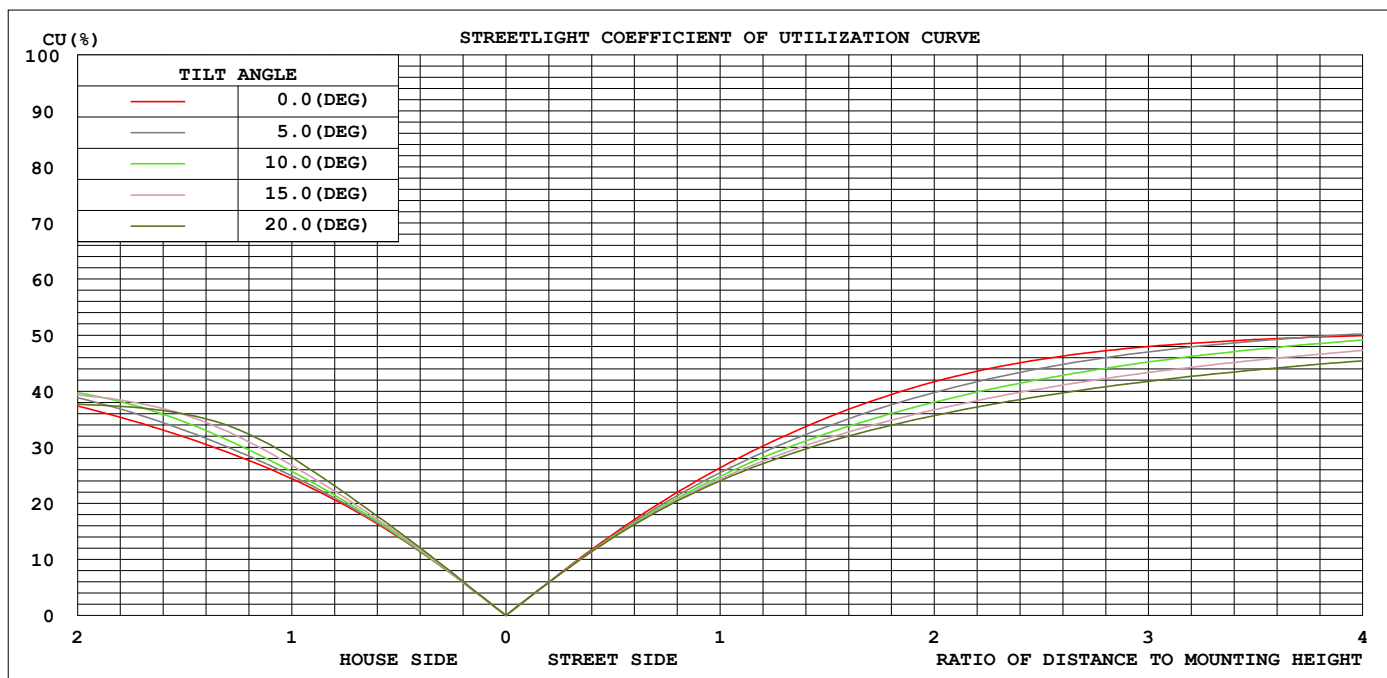
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:148.2cd/klm
Max.At90:0cd/klm
Max.80-90:148.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9945
90%	8950
80%	7956
70%	6961
60%	5967
50%	4972
40%	3978
30%	2983
20%	1989
10%	994
5%	497

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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

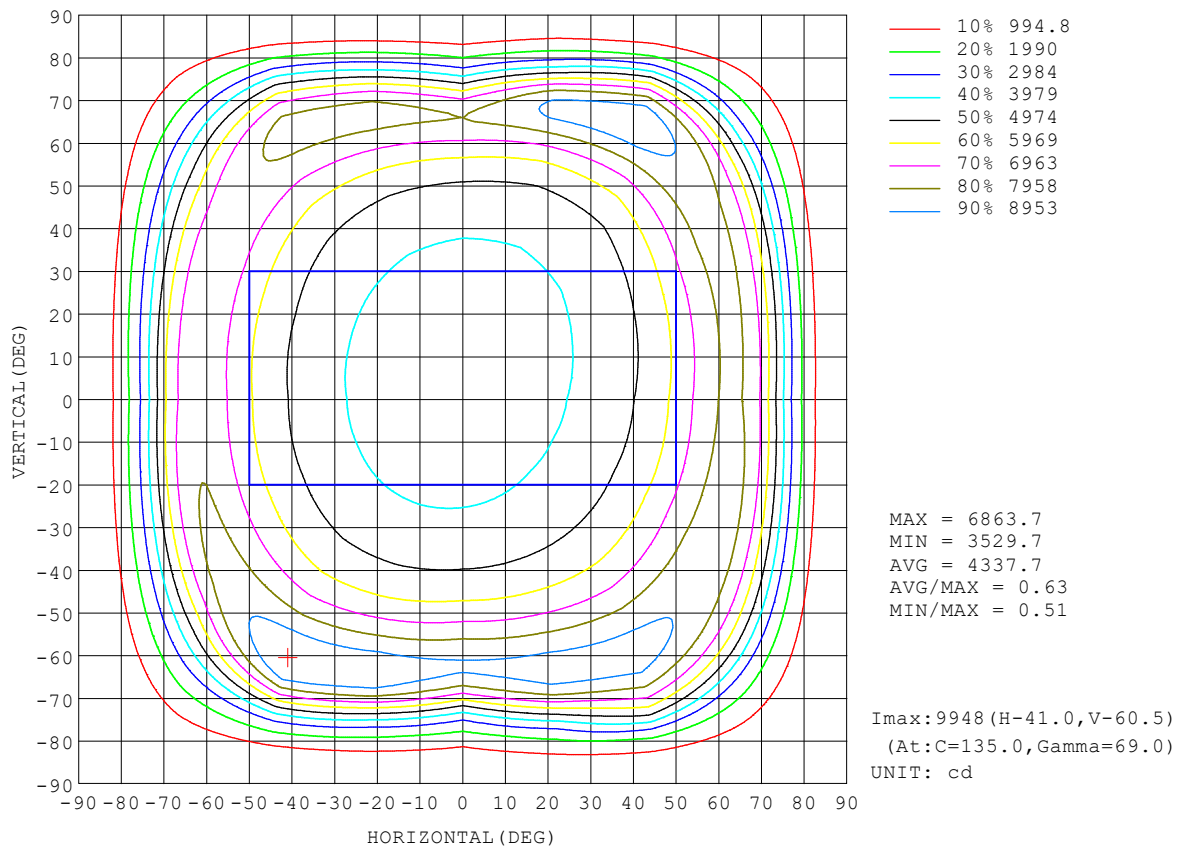
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3645	3654	3625	3600	3579	3543	3533	3579	0- 10	341.3	341.3	1.11,1.1
20	3845	3882	3809	3759	3740	3634	3577	3672	10- 20	1039	1380	4.48,4.47
30	4223	4309	4197	4118	4127	3889	3727	3862	20- 30	1799	3179	10.3,10.3
40	4960	5063	4995	4798	4893	4391	4079	4239	30- 40	2733	5912	19.2,19.1
50	6261	6277	6516	5918	6090	5257	4859	4931	40- 50	4013	9925	32.2,32.1
60	7972	8303	8802	8045	7678	6850	6808	6697	50- 60	6003	15928	51.7,51.5
70	6814	9170	6188	9820	5744	8368	7094	9673	60- 70	8160	24088	78.1,78
80	1772	3710	1293	2655	1470	3749	1982	4578	70- 80	5751	29839	96.8,96.6
90	0	0	0	0	0	0	0	0	80- 90	991.9	30830	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	30830	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	30830	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	30830	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	30830	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	30830	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	30830	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	30830	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	30830	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	30830	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

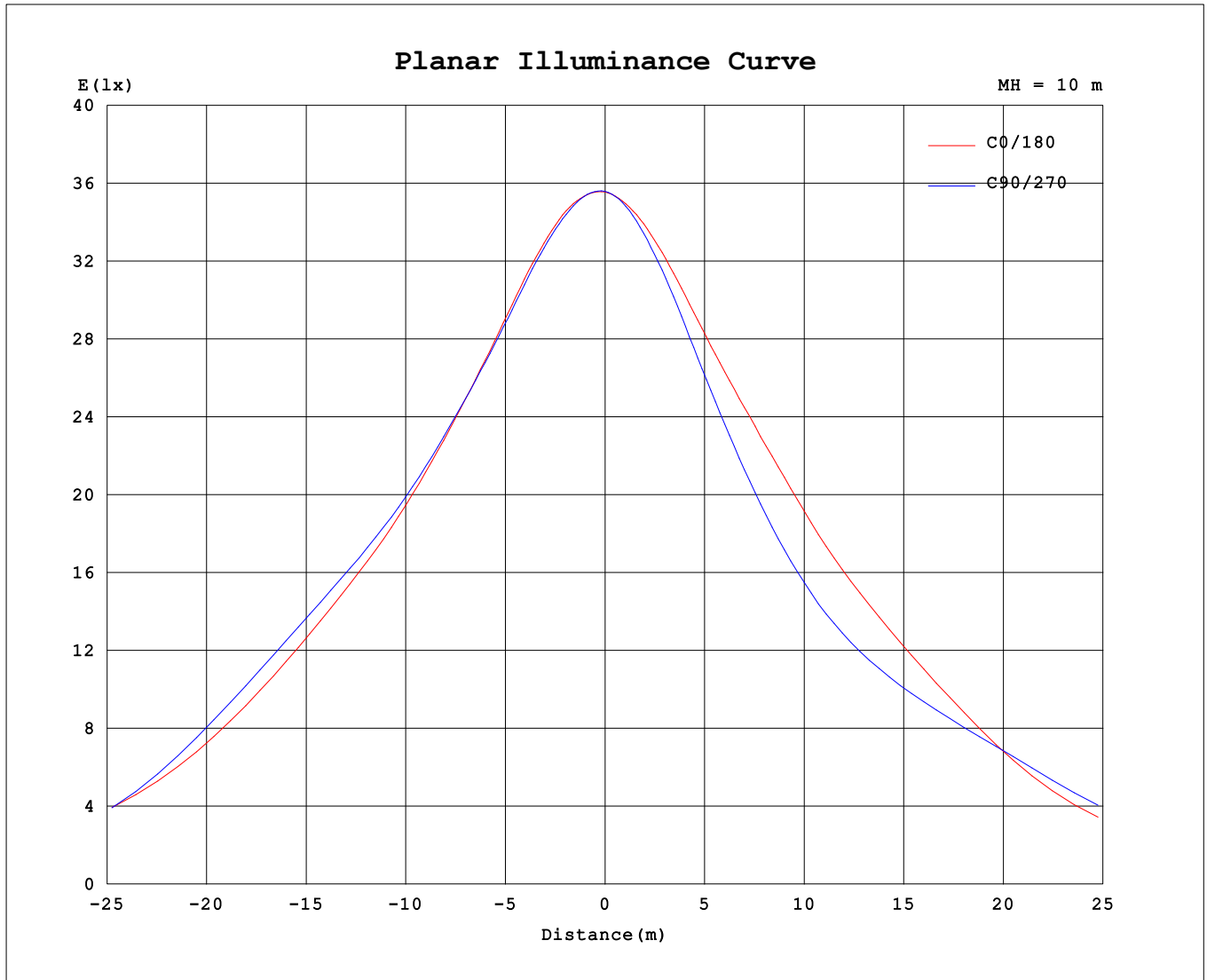
Test:U:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8°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



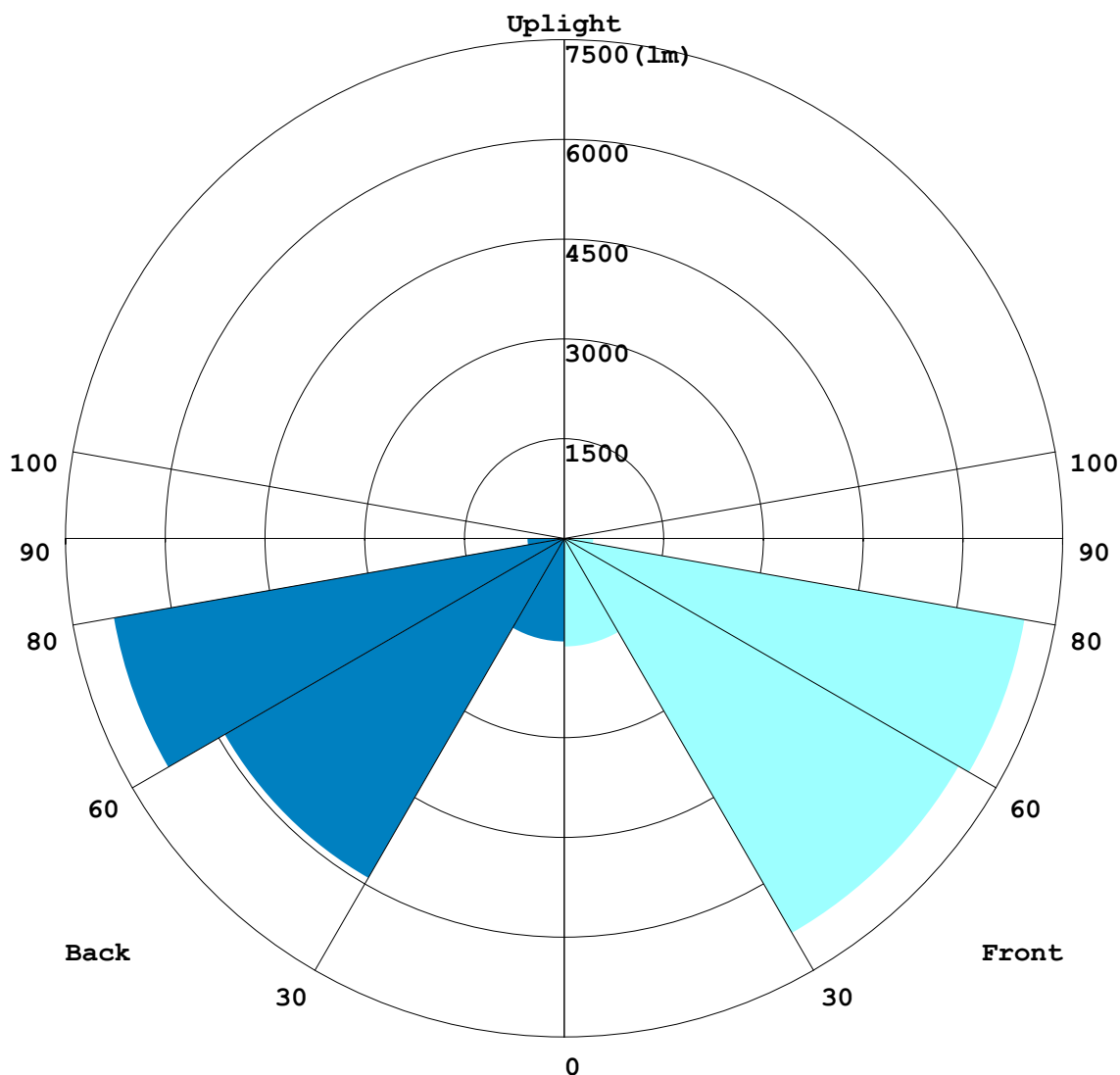
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8℃
 Operators:DAMIN
 Test Date:2024-12-22

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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 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)	1625.7	5.3
FM - Front-Medium(30-60)	6853	22.2
FH - Front-High(60-80)	7033.2	22.8
FVH - Front-Very High(80-90)	439.28	1.4
Total Forward Light	15951	51.7

BL - Back-Low(0-30)	1553.3	5.0
BM - Back-Medium(30-60)	5895.9	19.1
BH - Back-High(60-80)	6877.4	22.3
BVH - Back-Very High(80-90)	552.61	1.8
Total Back Light	14879	48.3

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14879	0	14879
Street Side	15951	0	15951

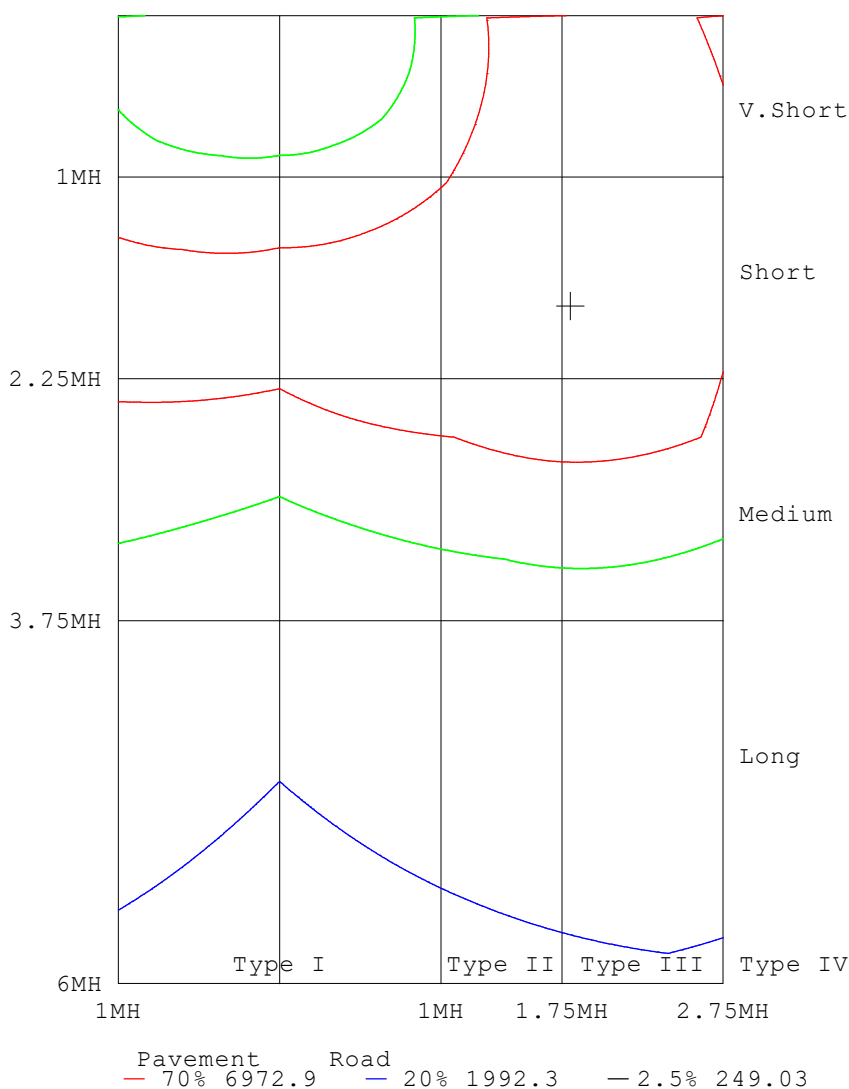
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 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:118.79V I:1.9616A P:232.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30899.3x1 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	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558	3558			
5	3587	3594	3593	3592	3583	3576	3569	3560	3553	3547	3540	3539	3541	3549	3563	3575			
10	3645	3655	3654	3643	3625	3610	3600	3591	3579	3561	3543	3530	3533	3548	3579	3617			
15	3728	3754	3750	3724	3699	3675	3661	3654	3640	3609	3573	3546	3545	3567	3614	3678			
20	3845	3881	3882	3844	3809	3773	3759	3755	3740	3690	3634	3587	3577	3605	3672	3767			
25	4004	4057	4065	4014	3963	3921	3899	3908	3895	3821	3739	3657	3630	3660	3746	3882			
30	4223	4308	4309	4259	4197	4137	4118	4139	4127	4023	3889	3774	3727	3751	3862	4049			
35	4542	4648	4635	4593	4537	4444	4412	4465	4460	4312	4103	3946	3873	3880	4020	4292			
40	4960	5093	5063	5041	4995	4859	4798	4879	4893	4692	4391	4181	4079	4069	4239	4613			
45	5510	5656	5587	5623	5628	5398	5267	5402	5424	5158	4753	4498	4383	4325	4522	5046			
50	6261	6393	6277	6437	6516	6177	5918	6053	6090	5761	5257	4977	4859	4721	4931	5667			
55	7178	7321	7199	7516	7674	7290	6826	6902	6942	6546	5953	5727	5637	5400	5602	6556			
60	7972	8219	8303	8698	8802	8657	8045	7860	7678	7375	6850	6788	6808	6553	6697	7586			
65	8018	8611	9221	9372	8740	9638	9447	8338	7380	7665	7856	7962	7909	8215	8249	8263			
70	6814	7898	9170	8327	6188	8548	9820	7179	5744	6679	8368	8249	7094	9227	9673	7937			
75	4062	5864	7256	4930	3035	4812	6845	4811	3204	4809	7026	6028	4347	6972	8737	6110			
80	1772	2662	3710	2151	1293	1985	2655	2375	1470	2575	3749	2899	1982	3162	4578	2805			
85	490	734	866	704	423	510	625	651	431	849	1003	832	553	979	1073	823			
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: