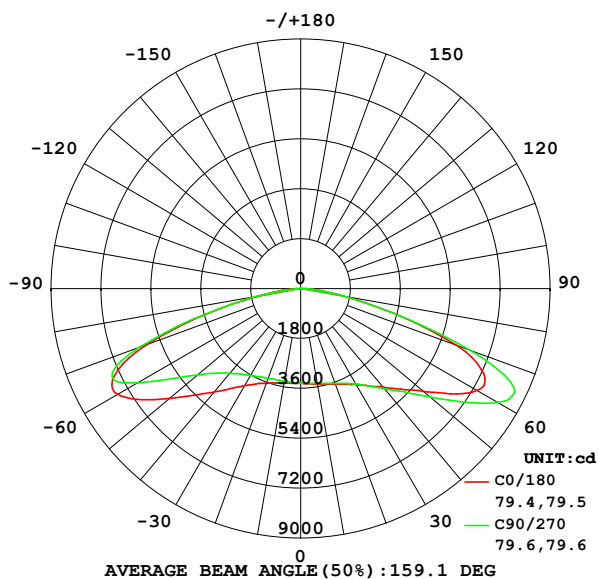
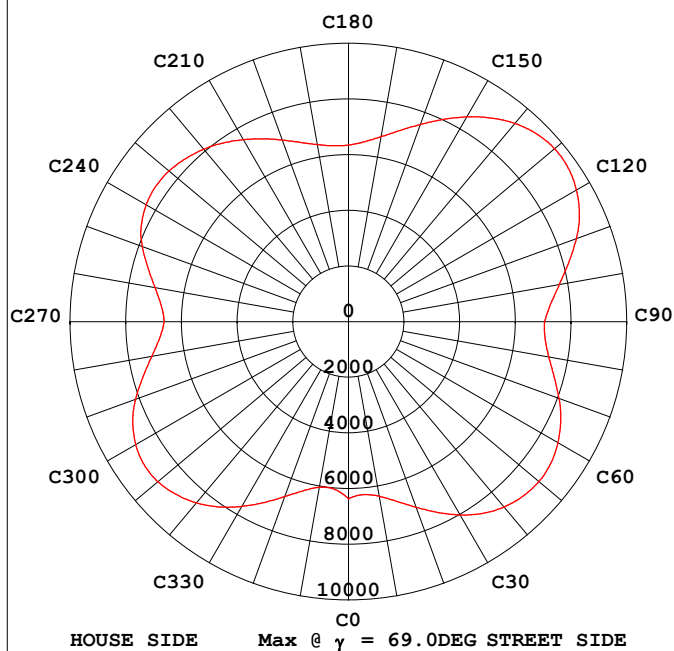


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.56 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	9552	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	51.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29530	η house_up (%)	0.0
NOMINAL FLUX (lm)	29597.9	MAXIMUM @ (C, γ)	135,69.0	η house_down (%)	47.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.030

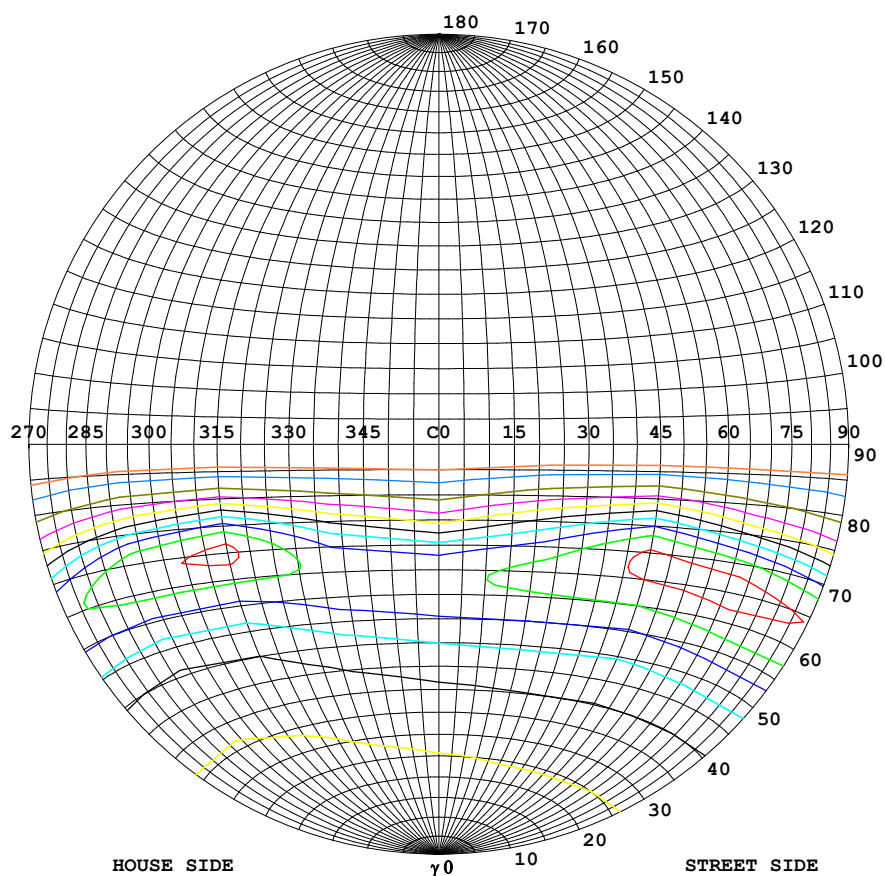
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



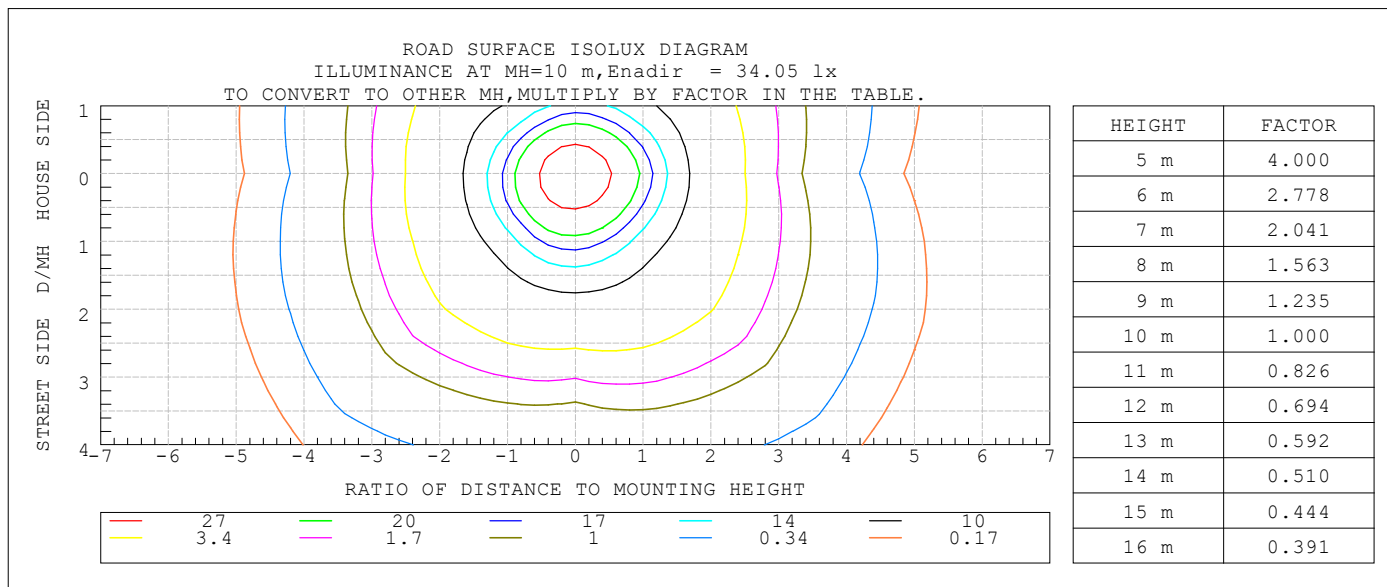
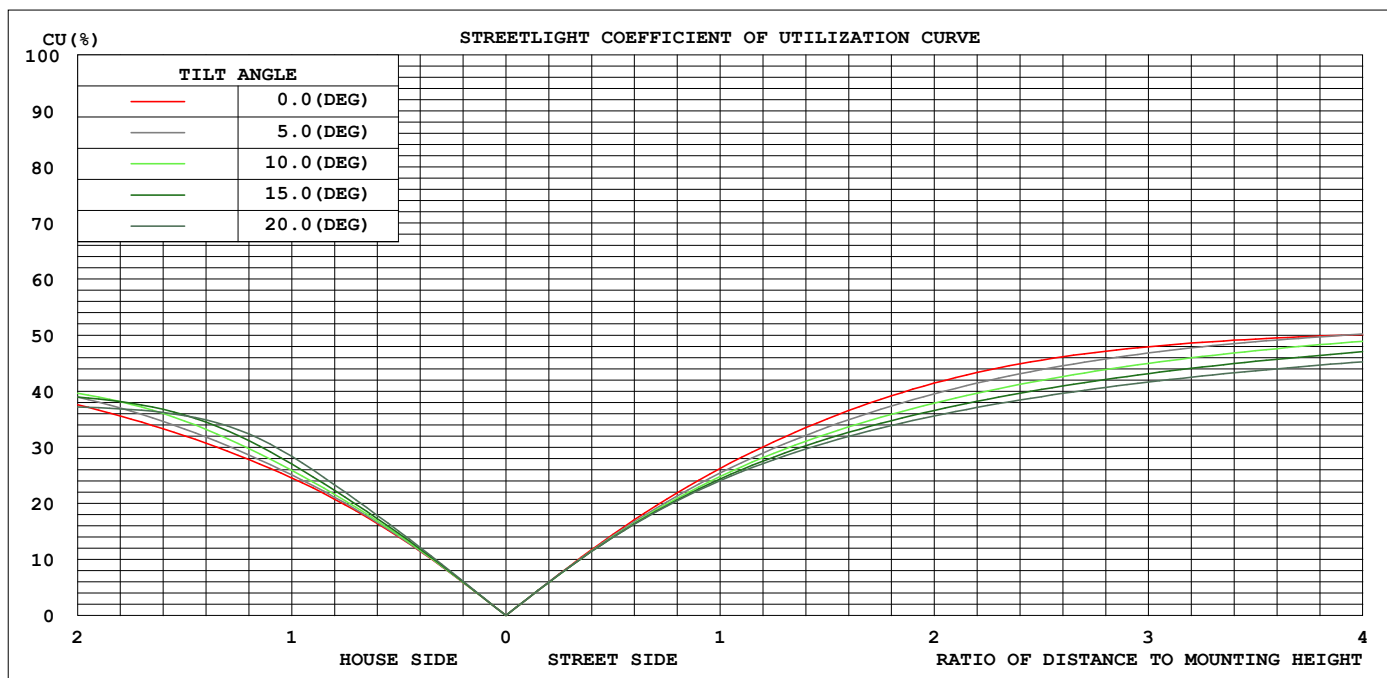
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:135.0cd/klm
Max.At90:0cd/klm
Max.80-90:135.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9552
90%	8597
80%	7642
70%	6686
60%	5731
50%	4776
40%	3821
30%	2866
20%	1910
10%	955
5%	478

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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

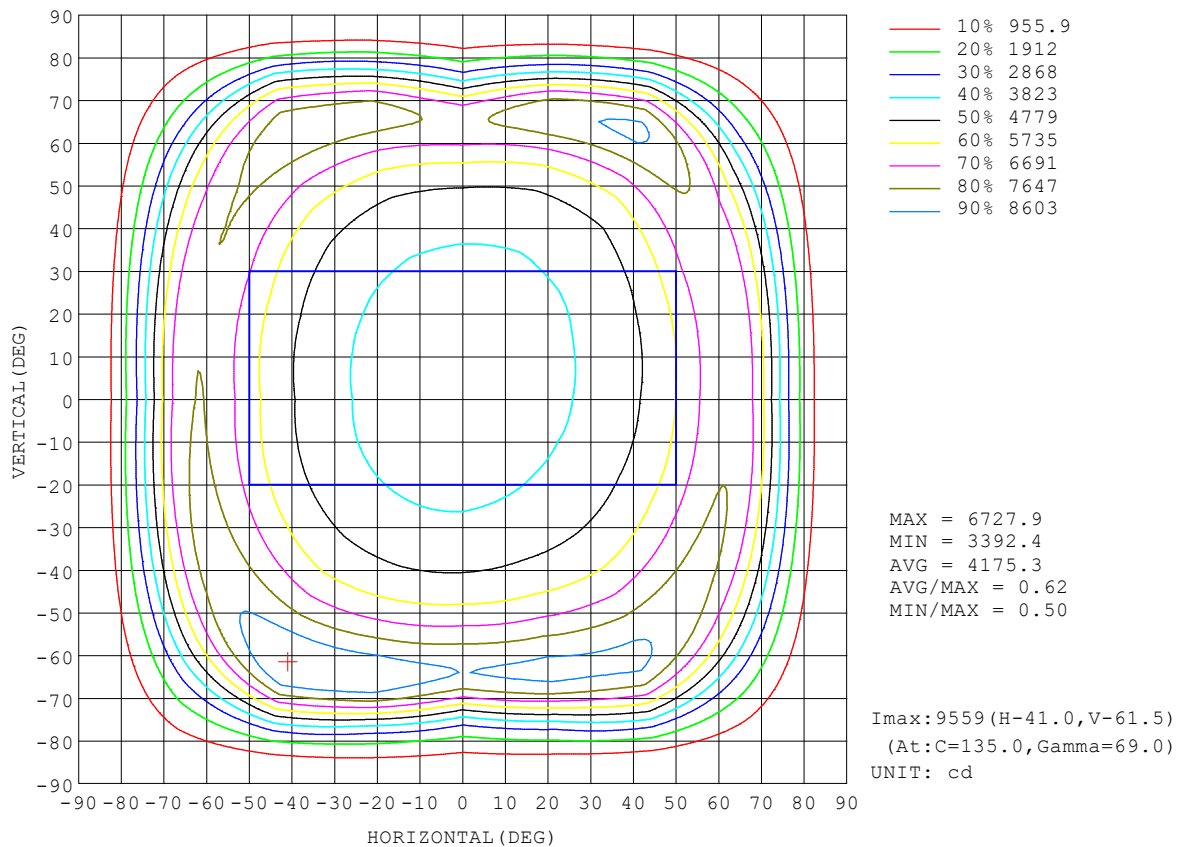
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3499	3501	3477	3456	3464	3411	3396	3431	0- 10	327.8	327.8	1.11,1.11
20	3661	3704	3637	3612	3636	3517	3452	3523	10- 20	996.9	1325	4.49,4.48
30	4002	4089	3974	3972	4049	3775	3615	3712	20- 30	1728	3052	10.3,10.3
40	4650	4768	4721	4645	4867	4290	3993	4084	30- 40	2627	5679	19.2,19.2
50	5774	5825	6081	5695	6160	5149	4838	4762	40- 50	3856	9535	32.3,32.2
60	7353	7658	8214	7653	7633	6781	6794	6443	50- 60	5754	15289	51.8,51.7
70	5982	8759	6511	9498	5913	8291	6192	8814	60- 70	7790	23079	78.2,78
80	1564	3246	1574	3747	1531	3995	1579	3128	70- 80	5484	28563	96.7,96.5
90	0	0	0	0	0	0	0	0	80- 90	967.2	29530	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29530	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29530	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29530	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29530	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29530	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29530	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29530	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29530	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29530	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

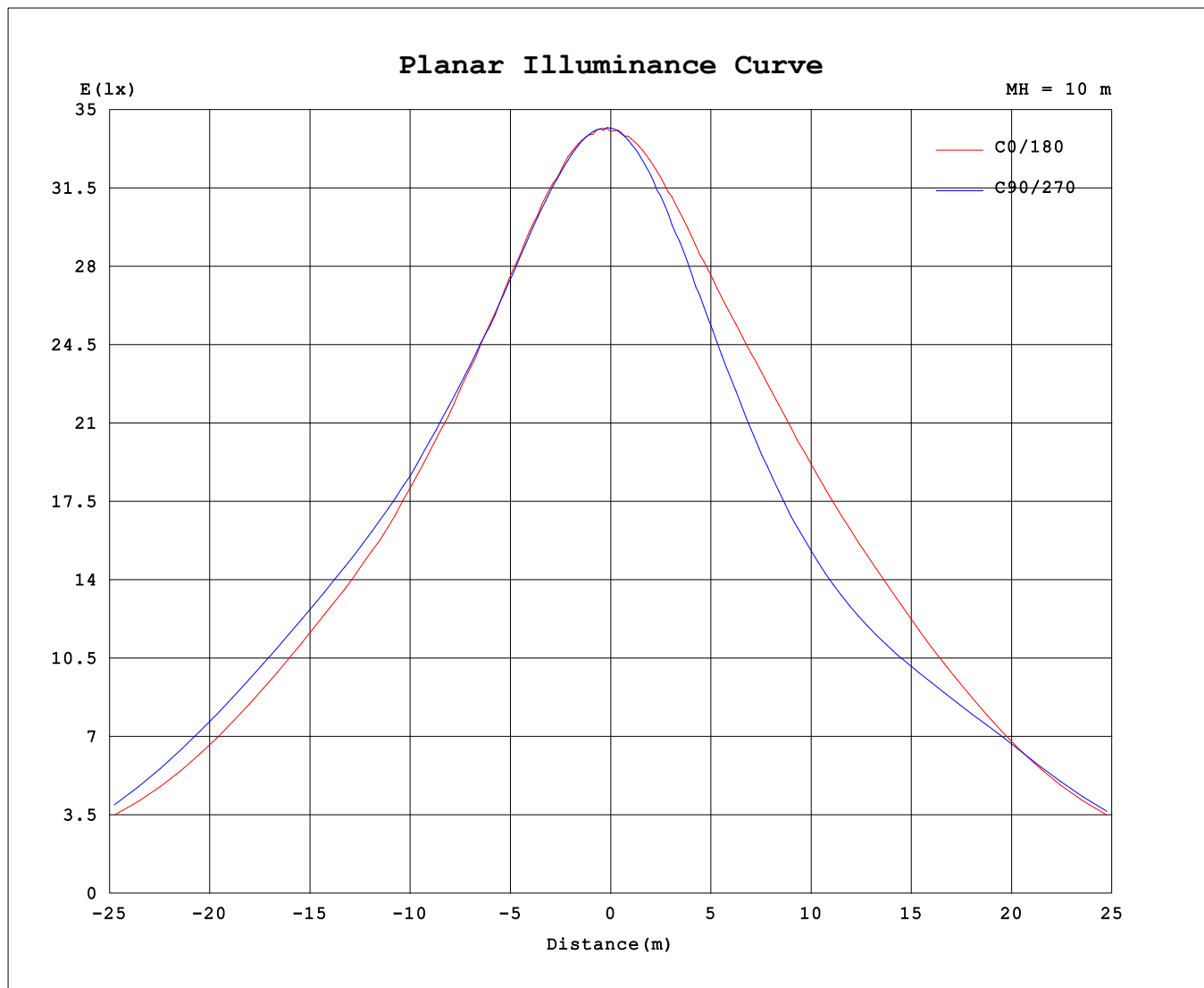
Test:U:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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

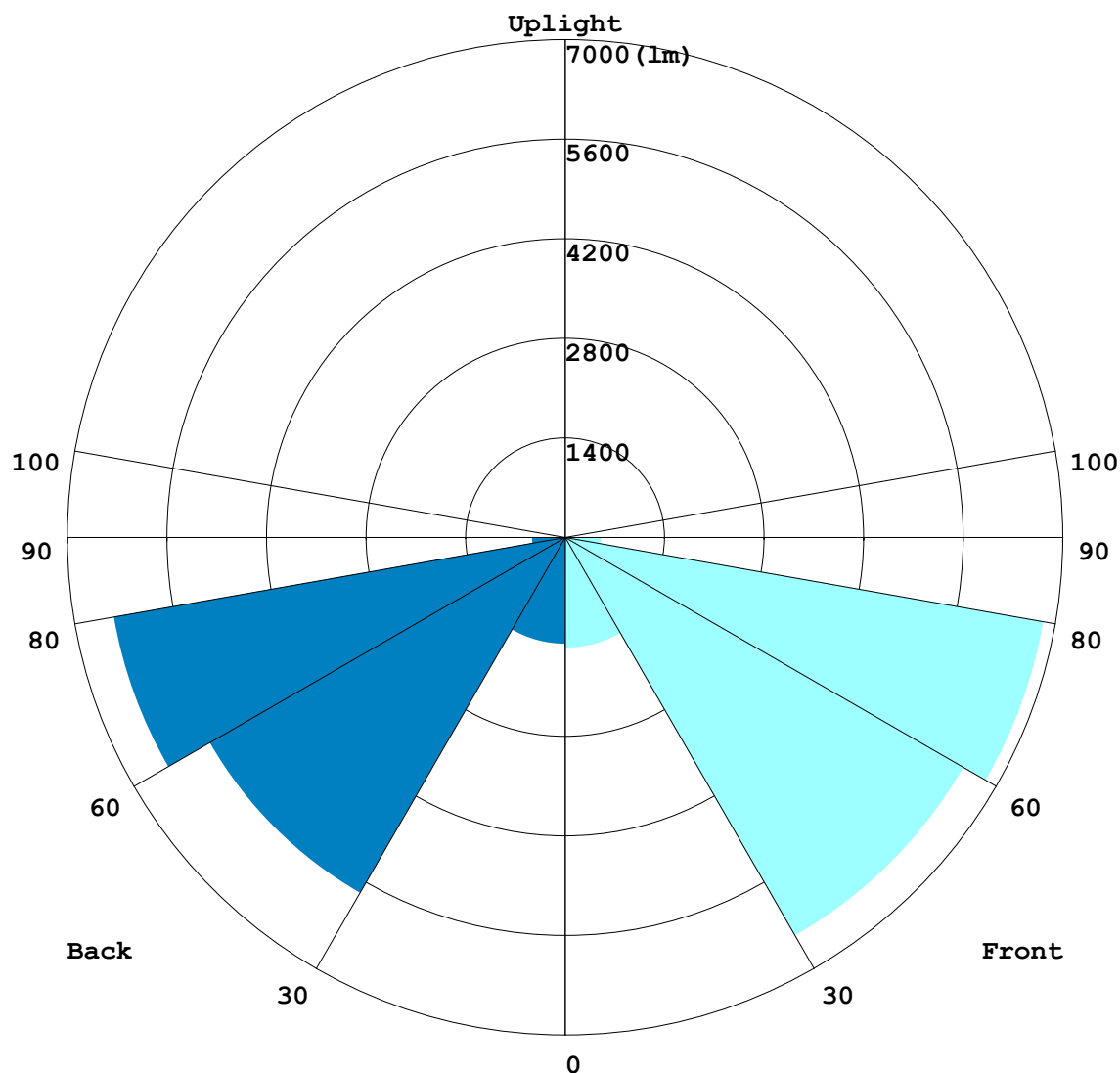


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8℃
 Operators:DAMIN
 Test Date:2024-12-22

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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 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: 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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 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)	1554.3	5.3
FM - Front-Medium(30-60)	6465.6	21.9
FH - Front-High(60-80)	6827.8	23.1
FVH - Front-Very High(80-90)	500.92	1.7
Total Forward Light	15349	52.0

BL - Back-Low(0-30)	1498	5.1
BM - Back-Medium(30-60)	5771.3	19.5
BH - Back-High(60-80)	6446.1	21.8
BVH - Back-Very High(80-90)	466.31	1.6
Total Back Light	14182	48.0

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	14182	0	14182
Street Side	15349	0	15349

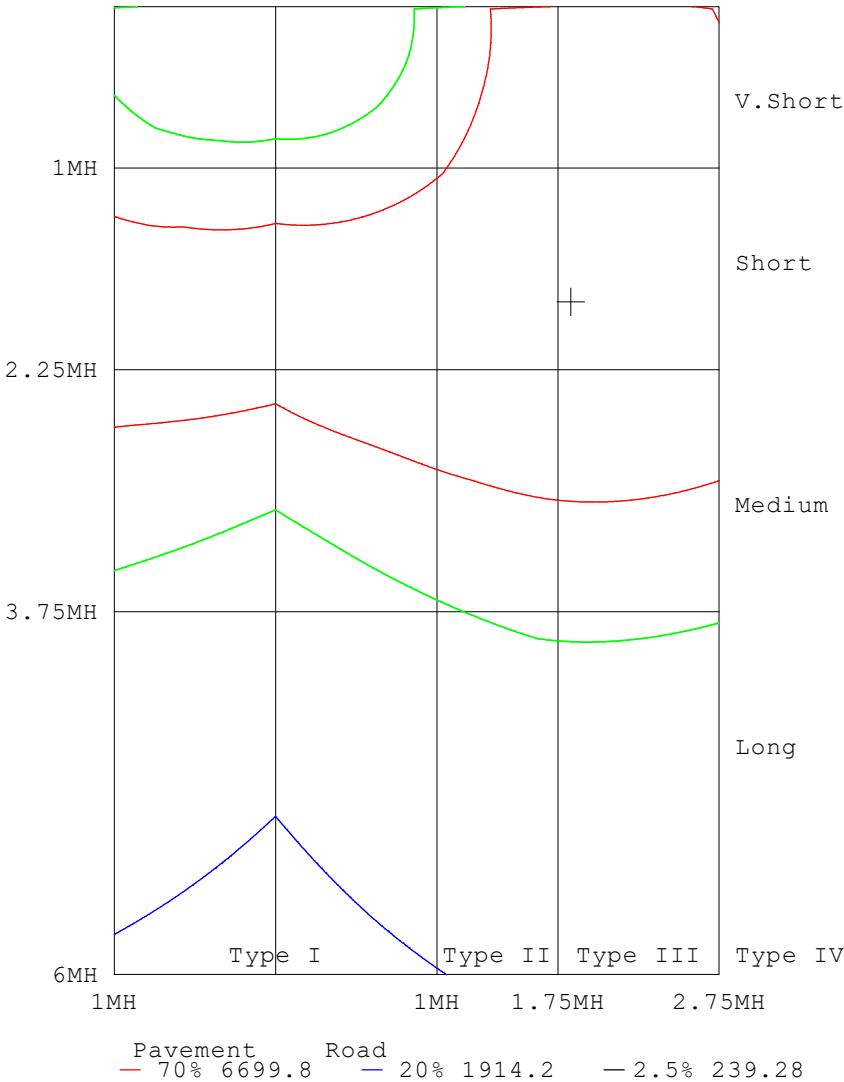
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 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: 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:118.98V I:1.5959A P:189.83W PF:0.9998 Freq:60.01Hz Lamp Flux:29597.9x1 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	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415	3415			
5	3440	3453	3449	3432	3439	3433	3426	3420	3431	3420	3406	3387	3401	3405	3417	3431			
10	3499	3493	3501	3475	3477	3463	3456	3450	3464	3441	3411	3396	3396	3404	3431	3466			
15	3556	3578	3576	3553	3538	3524	3516	3511	3525	3493	3443	3410	3413	3427	3465	3524			
20	3661	3700	3704	3672	3637	3616	3612	3610	3636	3578	3517	3451	3452	3469	3523	3601			
25	3807	3848	3861	3816	3775	3743	3757	3765	3801	3717	3621	3525	3515	3531	3597	3718			
30	4002	4082	4089	4047	3974	3950	3972	3996	4049	3928	3775	3628	3615	3626	3712	3882			
35	4284	4376	4385	4369	4295	4246	4252	4323	4406	4227	3995	3811	3771	3762	3874	4108			
40	4650	4760	4768	4783	4721	4651	4645	4746	4867	4619	4290	4045	3993	3954	4084	4405			
45	5135	5247	5229	5317	5269	5144	5111	5250	5438	5106	4655	4363	4324	4232	4364	4808			
50	5774	5886	5825	6064	6081	5853	5695	5926	6160	5749	5149	4832	4838	4652	4762	5387			
55	6620	6708	6641	7050	7124	6864	6538	6755	6993	6556	5855	5555	5653	5345	5426	6222			
60	7353	7554	7658	8168	8214	8107	7653	7623	7633	7352	6781	6584	6794	6501	6443	7109			
65	7288	7936	8634	8832	8492	9160	8928	8213	7402	7649	7801	7716	7499	7934	7826	7485			
70	5982	7052	8759	7846	6511	8665	9498	7519	5913	6860	8291	7955	6192	8204	8814	6661			
75	3476	5065	6688	4743	3476	5543	7566	5641	3449	5125	7092	5861	3568	5646	6976	4654			
80	1564	2477	3246	2137	1574	2418	3747	2980	1531	2646	3995	2823	1579	2483	3128	2124			
85	466	706	783	627	576	814	995	952	478	819	1047	815	311	598	698	562			
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: