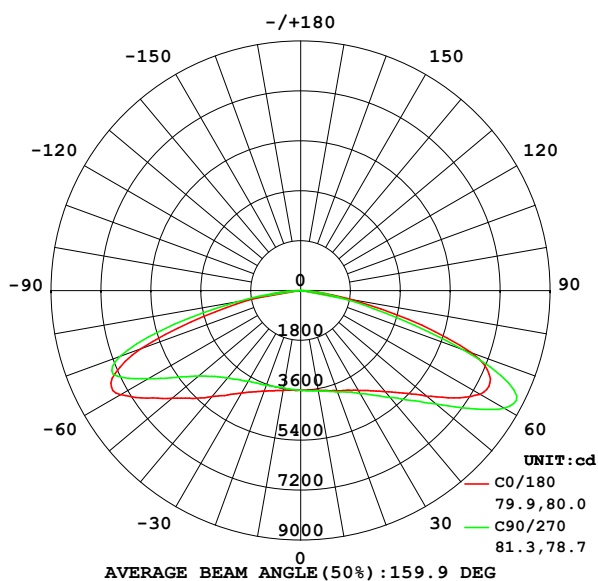
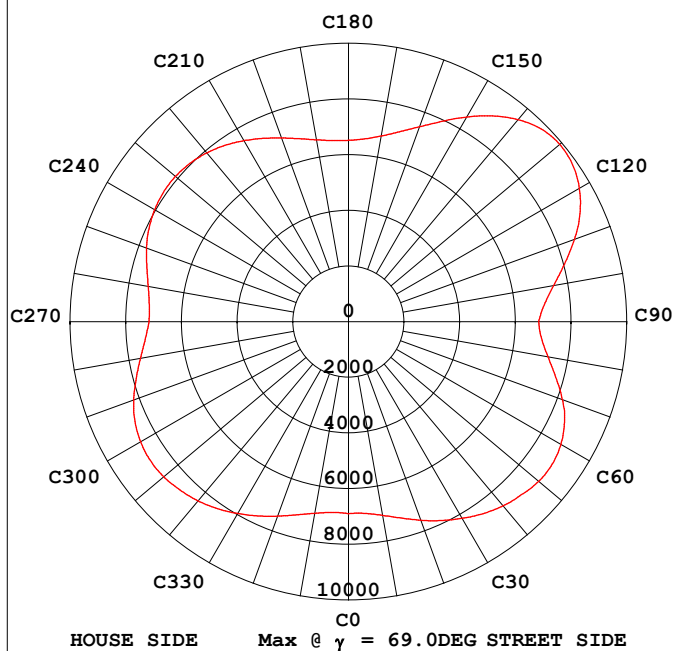


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.11 lm/W			
MODEL	AL-300WS-3CS-T5	I _{max} (cd)	9797	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	51.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30466	η house_up (%)	0.0
NOMINAL FLUX (lm)	30535.2	MAXIMUM @ (C, γ)	135,69.0	η house_down (%)	48.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	

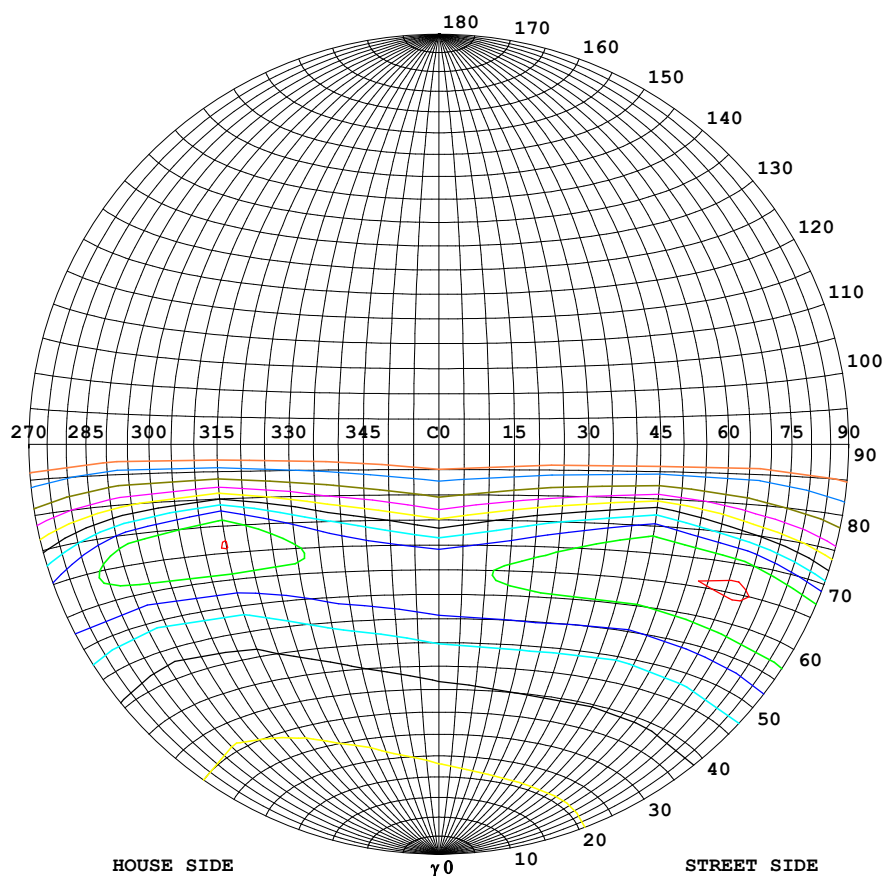
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

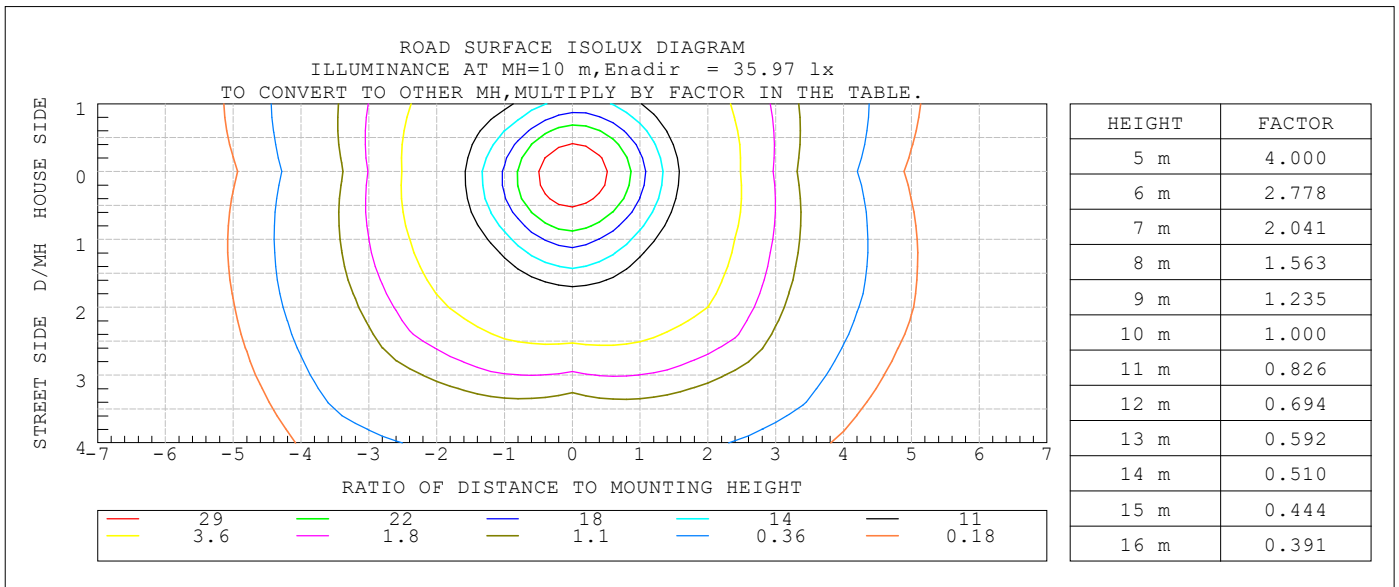
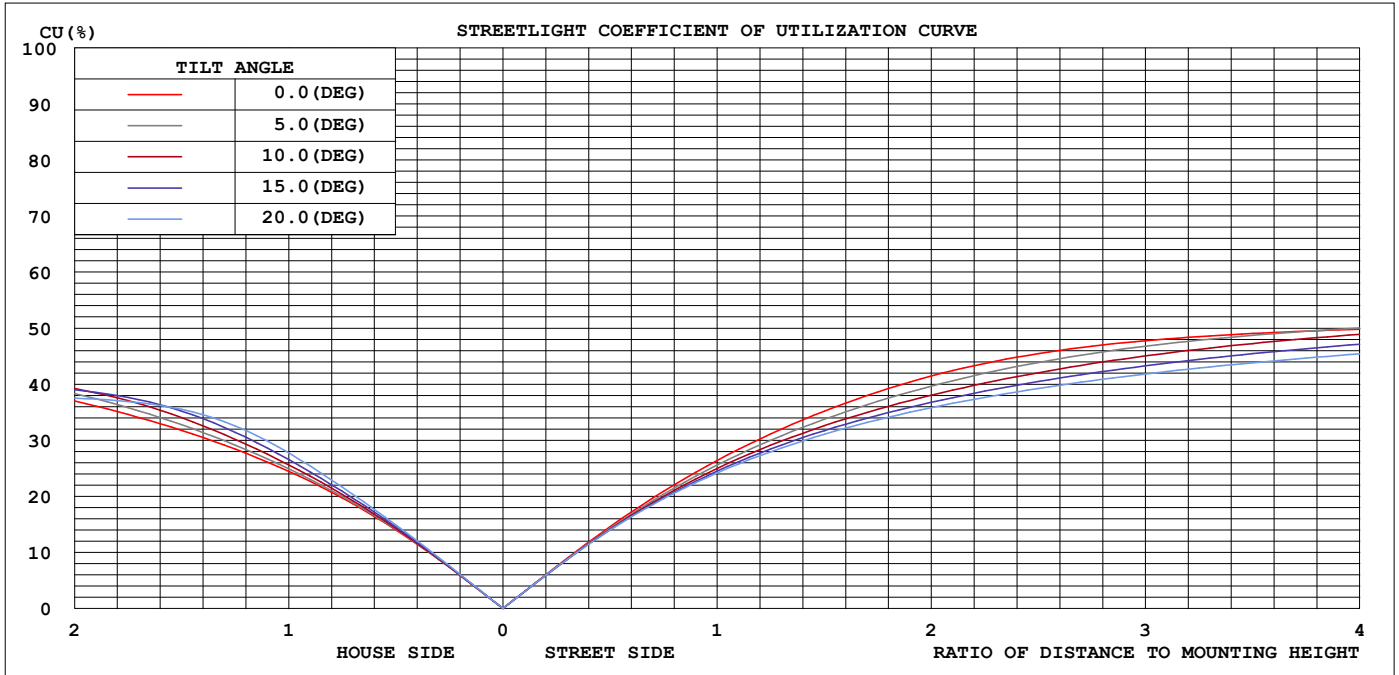
IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:158.9cd/klm
Max.At90:0cd/klm
Max.80-90:158.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9797
90%	8818
80%	7838
70%	6858
60%	5878
50%	4899
40%	3919
30%	2939
20%	1959
10%	980
5%	490

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7°C
Operators:DAMIN
Test Date:2024-12-25

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: 25.7°C
Operators:DAMIN
Test Date:2024-12-25

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:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

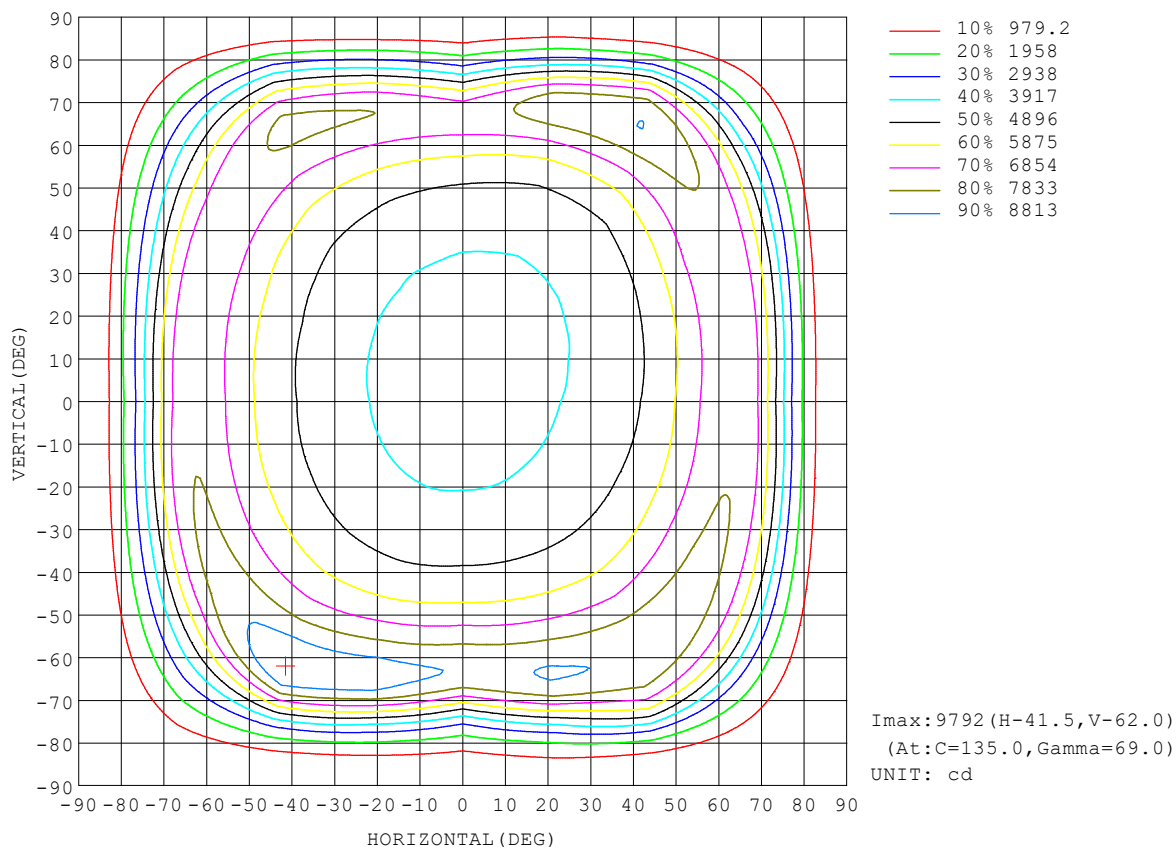
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3654	3681	3677	3674	3656	3616	3572	3602	0- 10	345.4	345.4	1.13,1.13
20	3848	3902	3892	3868	3861	3748	3626	3678	10- 20	1054	1399	4.59,4.58
30	4165	4310	4291	4253	4269	4020	3781	3849	20- 30	1827	3226	10.6,10.6
40	4771	4954	5038	4906	4999	4498	4112	4160	30- 40	2751	5976	19.6,19.6
50	5925	5994	6370	5923	6043	5253	4805	4765	40- 50	3965	9941	32.6,32.6
60	7483	7806	8483	7750	7508	6567	6364	6242	50- 60	5773	15714	51.6,51.5
70	6539	8685	6218	9783	6146	8104	6928	8735	60- 70	7781	23496	77.1,76.9
80	1787	3597	1386	3054	1761	4362	2326	4853	70- 80	5848	29343	96.3,96.1
90	0	0	0	0	0	0	0	0	80- 90	1122	30466	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	30466	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	30466	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	30466	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	30466	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	30466	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	30466	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	30466	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	30466	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	30466	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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

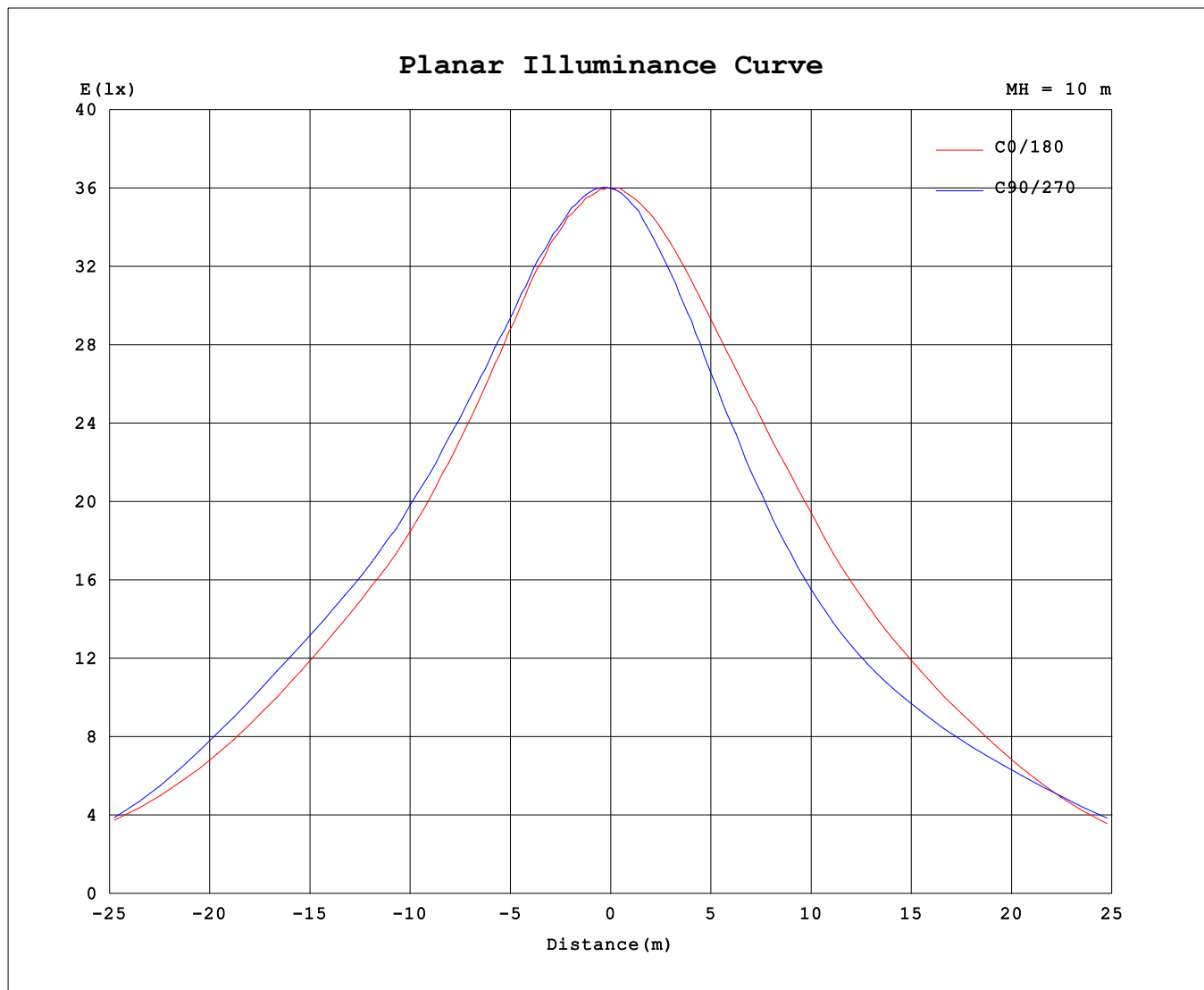
Test:U:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7°C
Operators: DAMIN
Test Date: 2024-12-25

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



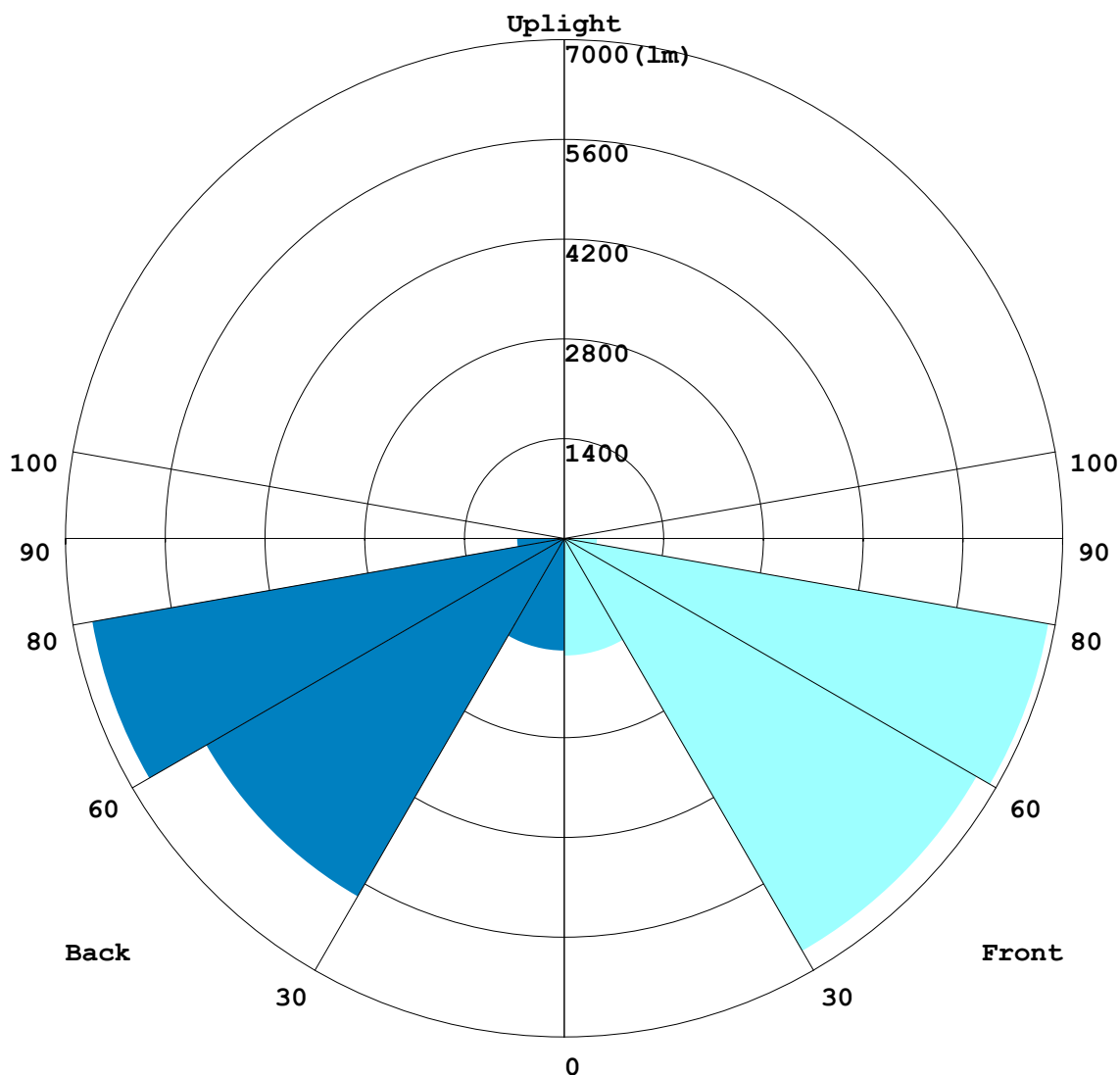
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7°C
Operators:DAMIN
Test Date:2024-12-25

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:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 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: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1648.1	5.4
FM - Front-Medium(30-60)	6686.8	21.9
FH - Front-High(60-80)	6903	22.7
FVH - Front-Very High(80-90)	464.14	1.5
Total Forward Light	15702	51.5

BL - Back-Low(0-30)	1577.7	5.2
BM - Back-Medium(30-60)	5801.5	19.0
BH - Back-High(60-80)	6726.3	22.1
BVH - Back-Very High(80-90)	658.32	2.2
Total Back Light	14764	48.5

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	14764	0	14764
Street Side	15702	0	15702

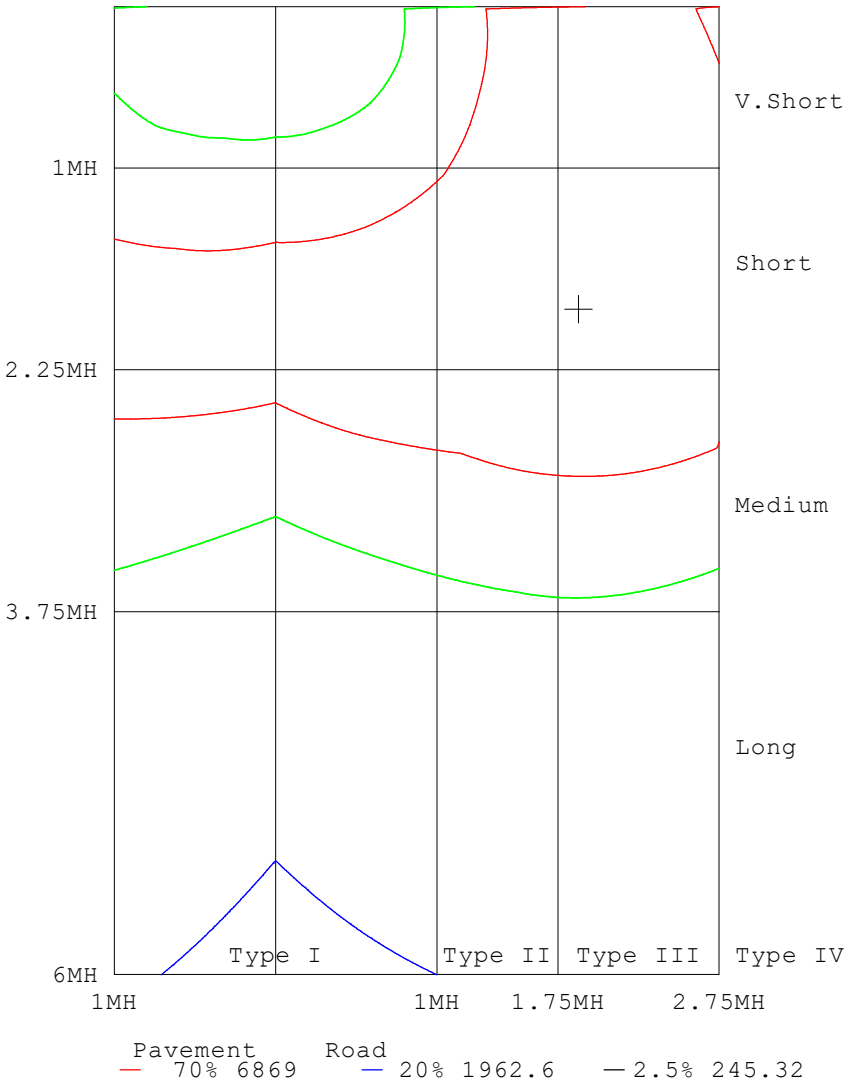
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 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: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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:

50% 4906.4
5% 490.64

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.83V I:1.9862A P:235.97W PF:0.9998 Freq:60.01Hz Lamp Flux:30535.2x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Tamlite lighting									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	C (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	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	3598	
5	3610	3623	3625	3618	3629	3629	3623	3621	3611	3604	3593	3575	3580	3583	3591	3602	
10	3654	3673	3681	3672	3677	3674	3674	3670	3656	3639	3616	3575	3572	3576	3602	3619	
15	3731	3765	3768	3762	3757	3760	3750	3745	3740	3700	3660	3600	3589	3589	3636	3680	
20	3848	3881	3902	3884	3892	3876	3868	3865	3861	3805	3748	3652	3626	3628	3678	3745	
25	3971	4040	4078	4061	4047	4038	4032	4031	4031	3949	3865	3736	3689	3687	3757	3855	
30	4165	4258	4310	4289	4291	4242	4253	4271	4269	4152	4020	3862	3781	3766	3849	3996	
35	4409	4544	4584	4595	4610	4539	4546	4584	4594	4428	4212	4029	3919	3888	3979	4194	
40	4771	4906	4954	4986	5038	4937	4906	4969	4999	4792	4498	4238	4112	4048	4160	4457	
45	5226	5401	5407	5490	5606	5434	5361	5448	5500	5234	4817	4552	4388	4278	4399	4824	
50	5925	6058	5994	6194	6370	6127	5923	6003	6043	5740	5253	4955	4805	4632	4765	5366	
55	6751	6898	6817	7146	7413	7116	6687	6702	6764	6381	5841	5572	5454	5203	5342	6166	
60	7483	7734	7806	8201	8483	8372	7750	7561	7508	7146	6567	6406	6364	6134	6242	7074	
65	7562	8097	8650	8869	8489	9363	9074	8197	7506	7618	7444	7358	7302	7420	7537	7650	
70	6539	7524	8685	8047	6218	8542	9783	7389	6146	6903	8104	7792	6928	8460	8735	7458	
75	4029	5709	7091	5042	3191	5099	7297	5248	3632	5196	7214	6236	4719	7164	8296	5899	
80	1787	2653	3597	2220	1386	2200	3054	2818	1761	3098	4362	3342	2326	3693	4853	2904	
85	499	719	780	728	447	551	715	802	573	1059	1303	995	715	1219	1216	889	
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: 25.7℃
Operators:DAMIN
Test Date:2024-12-25

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: