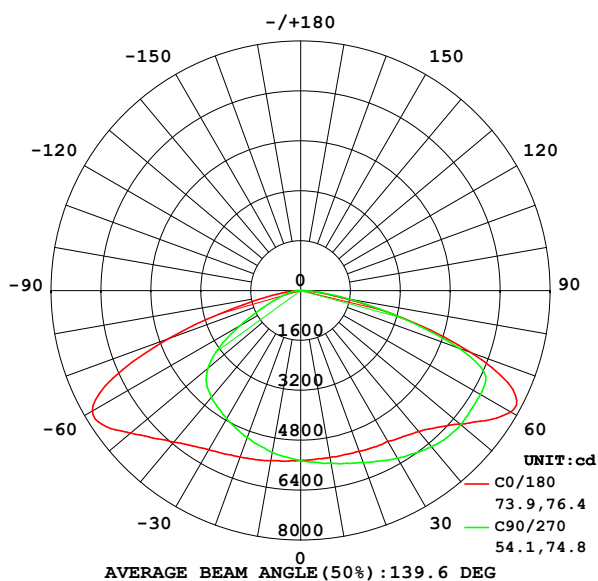
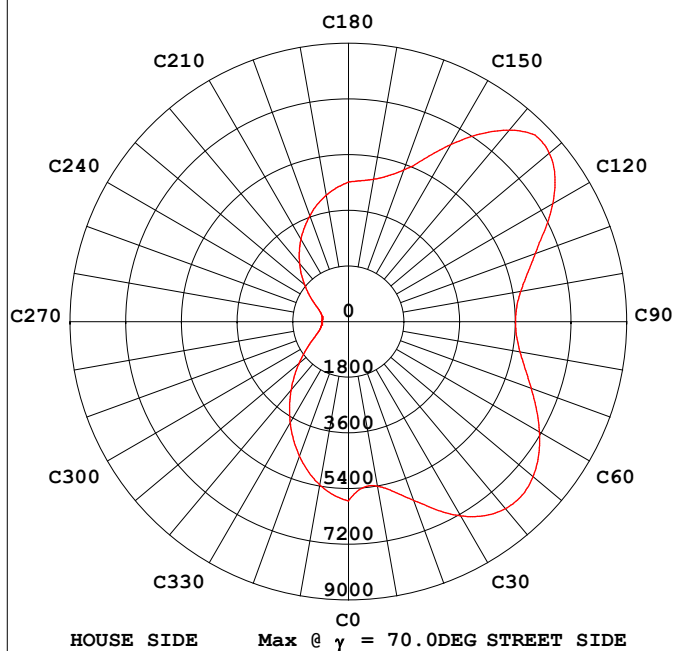


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.85 lm/W			
MODEL	AL-240WS-3CS-T4	Imax (cd)	8533	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	60.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	27477	η house_up (%)	0.0
NOMINAL FLUX (lm)	27477.2	MAXIMUM @ (C, γ)	135,70.0	η house_down (%)	39.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	23.958

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°C
Operators:DAMIN
Test Date:2024-12-22

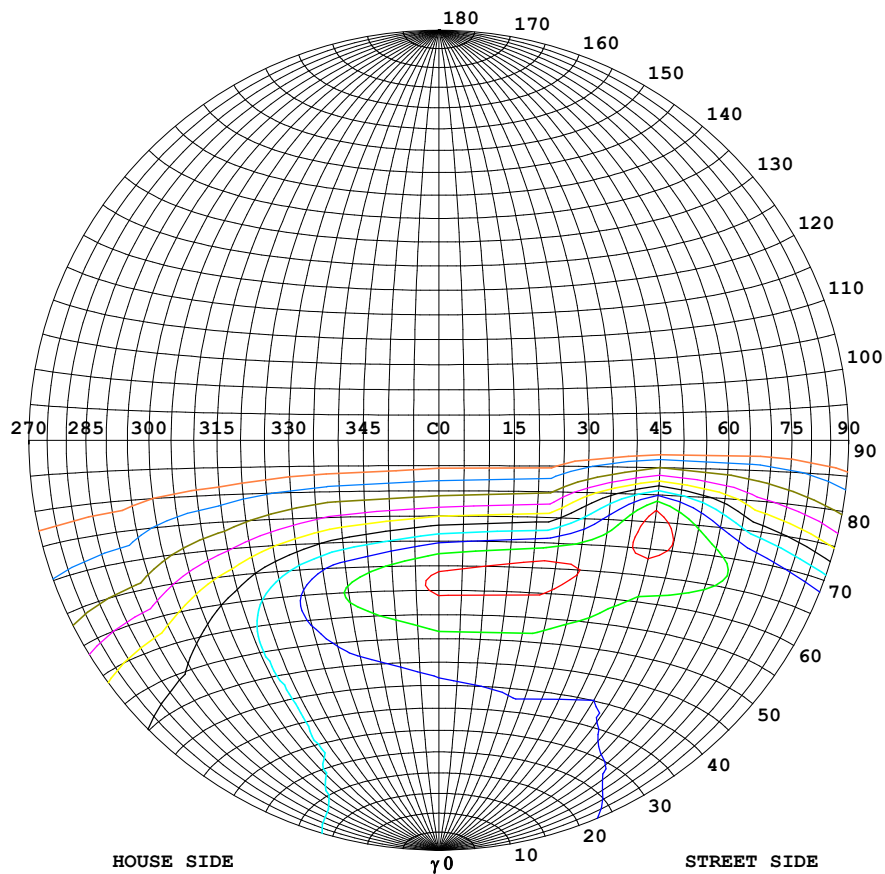
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz

Lamp Flux:27477.2x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

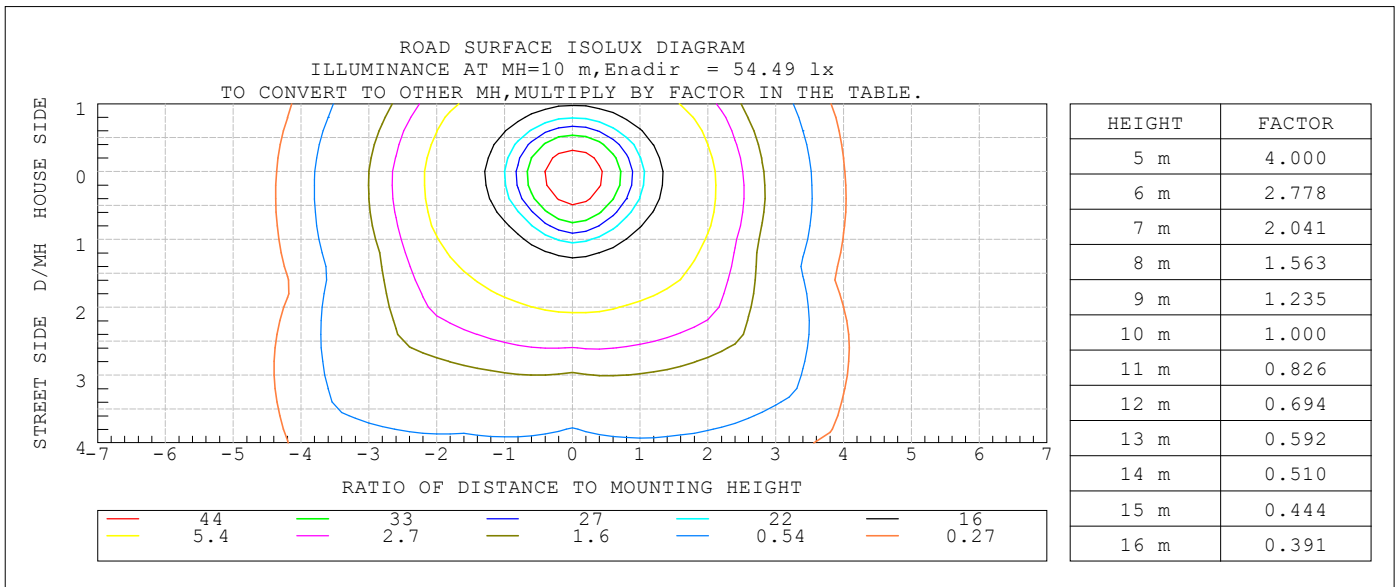
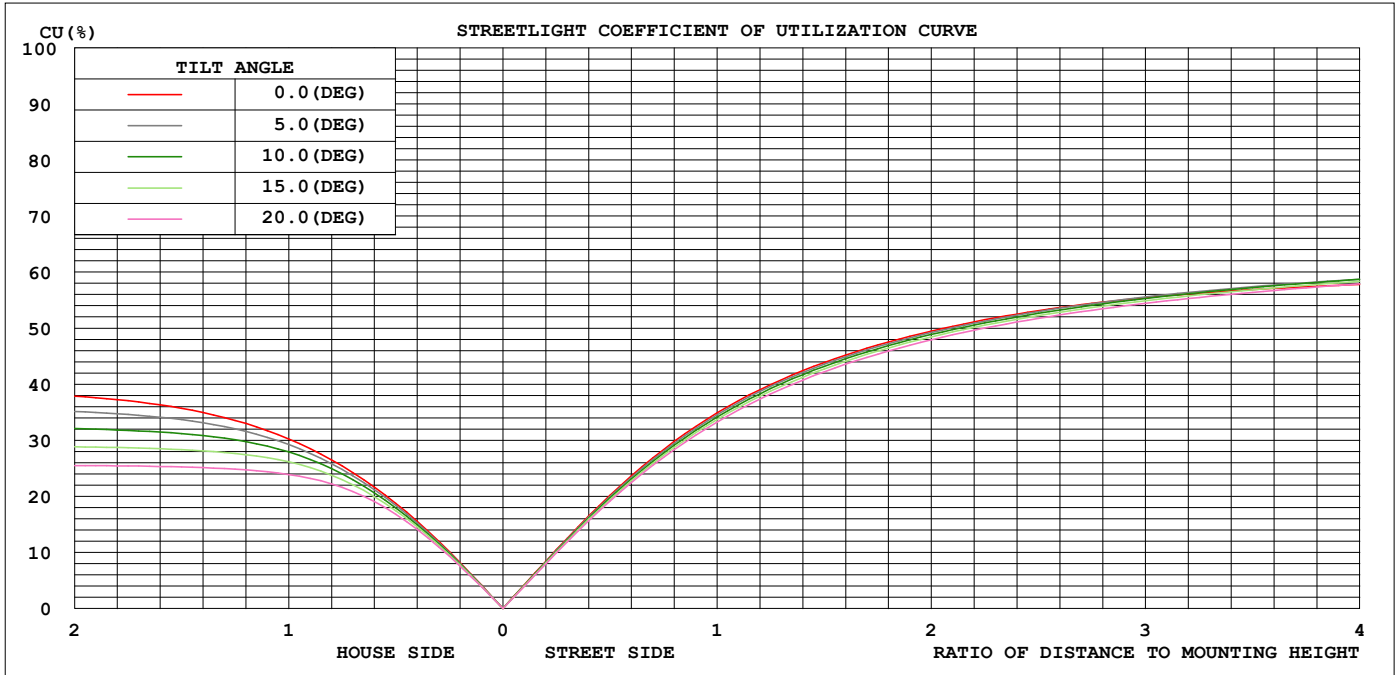
IES:Type IV - Short
CIE:Broad - Long
IES:None cut-off
CIE:Non-cut-off
Max.At80:214.8cd/klm
Max.At90:0cd/klm
Max.80-90:214.8cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		8533
90%		7680
80%		6826
70%		5973
60%		5120
50%		4266
40%		3413
30%		2560
20%		1707
10%		853
5%		427

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°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: 24.7°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:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

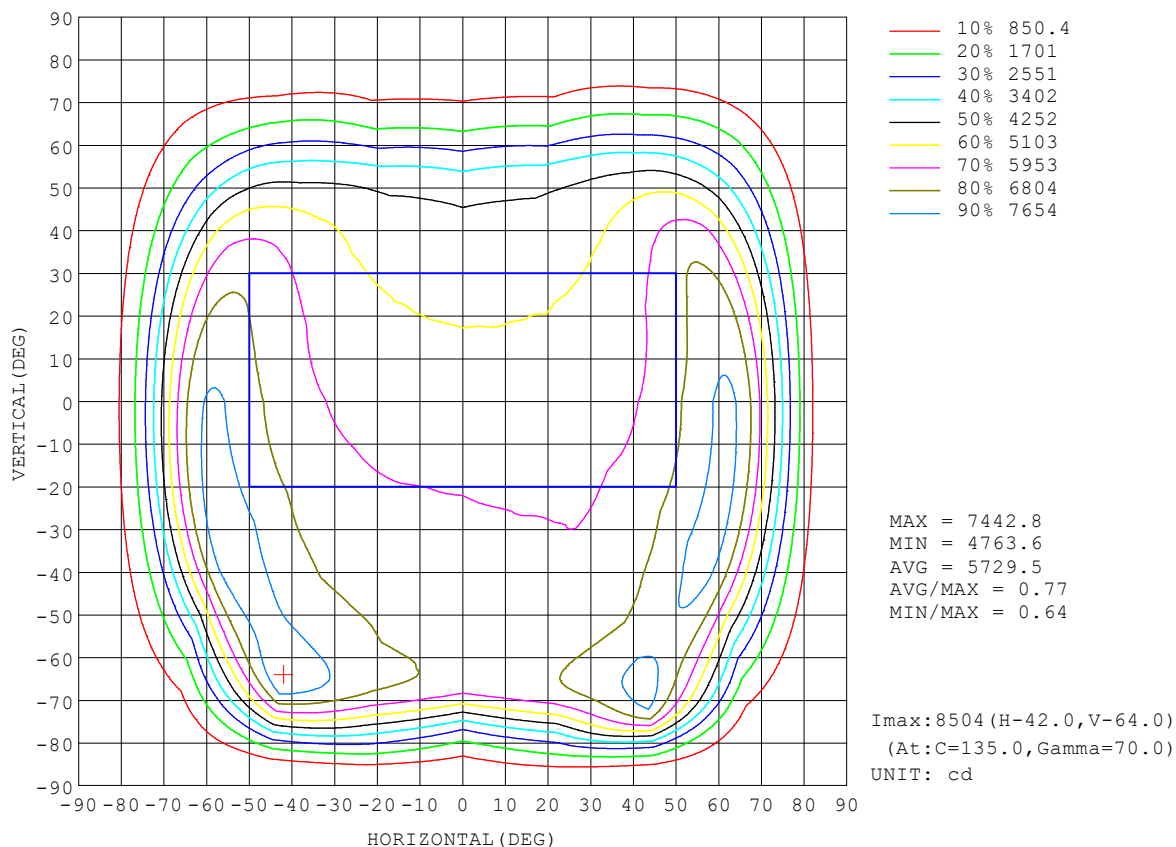
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5434	5530	5620	5629	5540	5378	5267	5330	0- 10	521.4	521.4	1.9,1.9
20	5479	5691	5862	5870	5684	5298	5019	5206	10- 20	1557	2079	7.56,7.56
30	5588	5821	6205	6106	5893	5229	4752	5105	20- 30	2570	4649	16.9,16.9
40	5895	5966	6532	6373	6343	5222	4466	5069	30- 40	3558	8207	29.9,29.9
50	6662	6217	6698	6767	7116	5223	3896	5080	40- 50	4541	12747	46.4,46.4
60	7782	6733	6657	7390	7718	4306	2259	4627	50- 60	5408	18155	66.1,66.1
70	5797	7941	5407	8533	4516	2158	870.6	2475	60- 70	5400	23555	85.7,85.7
80	1339	5903	1563	4153	938.3	466.7	301.6	596.0	70- 80	3279	26834	97.7,97.7
90	0	0	0	0	0	0	0	0	80- 90	643.6	27477	100,100
100	0	0	0	0	0	0	0	0	90-100	0	27477	100,100
110	0	0	0	0	0	0	0	0	100-110	0	27477	100,100
120	0	0	0	0	0	0	0	0	110-120	0	27477	100,100
130	0	0	0	0	0	0	0	0	120-130	0	27477	100,100
140	0	0	0	0	0	0	0	0	130-140	0	27477	100,100
150	0	0	0	0	0	0	0	0	140-150	0	27477	100,100
160	0	0	0	0	0	0	0	0	150-160	0	27477	100,100
170	0	0	0	0	0	0	0	0	160-170	0	27477	100,100
180	0	0	0	0	0	0	0	0	170-180	0	27477	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
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

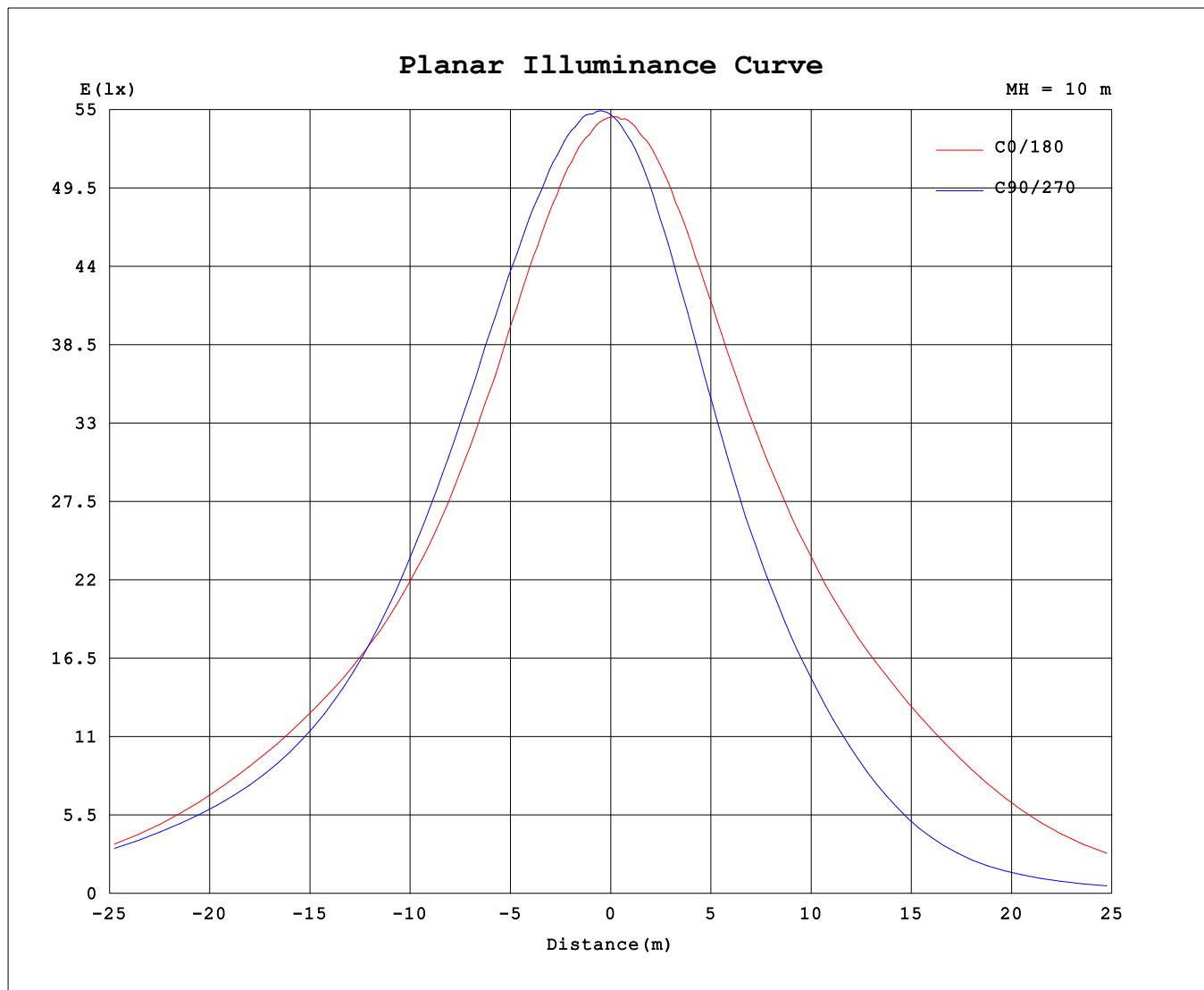
Test:U:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°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



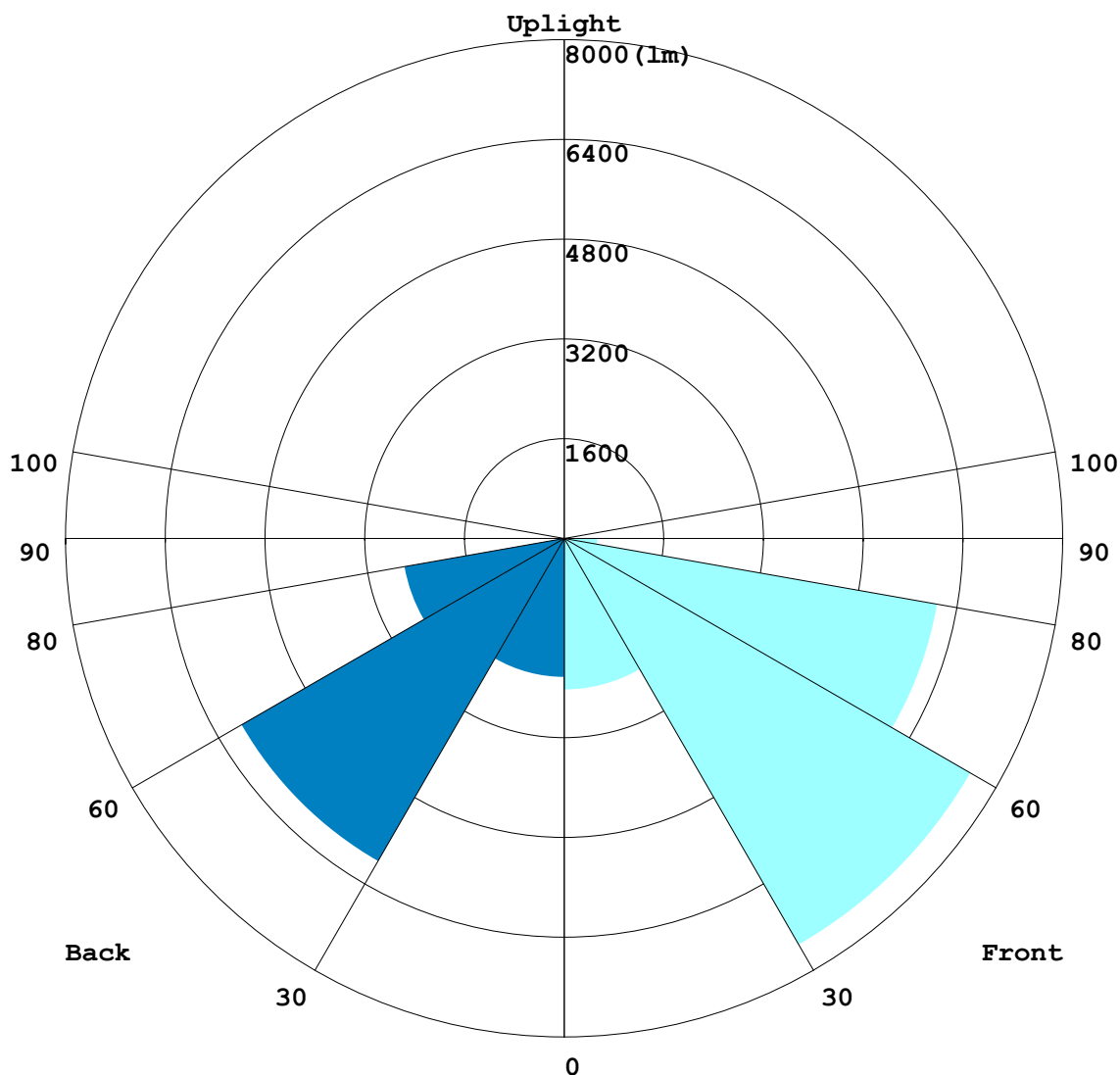
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.7°C
 Operators:DAMIN
 Test Date:2024-12-22

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:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 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: 24.7℃
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:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 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)	2423.5	8.8
FM - Front-Medium(30-60)	7528.3	27.4
FH - Front-High(60-80)	6077.4	22.1
FVH - Front-Very High(80-90)	533.43	1.9
Total Forward Light	16563	60.3

BL - Back-Low(0-30)	2225.6	8.1
BM - Back-Medium(30-60)	5977.8	21.8
BH - Back-High(60-80)	2601	9.5
BVH - Back-Very High(80-90)	110.16	0.4
Total Back Light	10915	39.7

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10915	0	10915
Street Side	16563	0	16563

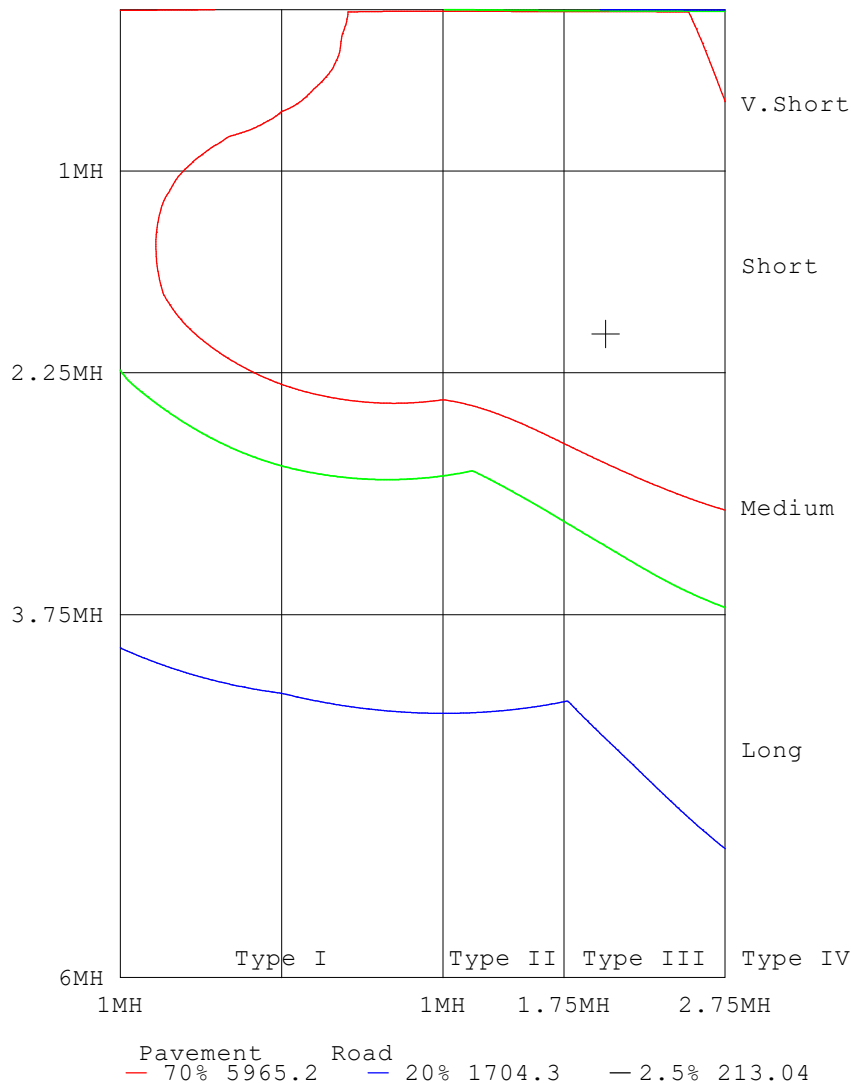
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
Operators:DAMIN
Test Date:2024-12-22

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:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 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: 24.7°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:118.94V I:1.6761A P:199.32W PF:0.9998 Freq:60.01Hz Lamp Flux:27477.2x1 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	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	5452	
5	5427	5457	5495	5539	5520	5548	5538	5517	5489	5452	5397	5398	5356	5350	5379	5402	
10	5434	5504	5530	5615	5620	5636	5629	5583	5540	5471	5378	5319	5267	5261	5330	5353	
15	5444	5551	5594	5696	5732	5766	5755	5692	5608	5496	5346	5212	5146	5177	5272	5345	
20	5479	5602	5691	5773	5862	5893	5870	5769	5684	5525	5298	5120	5019	5061	5206	5364	
25	5539	5651	5770	5907	6023	6045	5972	5873	5776	5567	5266	5013	4885	4956	5162	5376	
30	5588	5770	5821	6012	6205	6191	6106	6018	5893	5636	5229	4897	4752	4839	5105	5397	
35	5716	5894	5893	6134	6370	6331	6230	6187	6076	5759	5211	4798	4604	4721	5082	5479	
40	5895	6055	5966	6257	6532	6471	6373	6425	6343	5955	5222	4691	4466	4605	5069	5588	
45	6202	6311	6071	6363	6652	6573	6546	6765	6690	6209	5251	4545	4264	4462	5074	5817	
50	6662	6672	6217	6435	6698	6664	6767	7175	7116	6468	5223	4290	3896	4235	5080	6137	
55	7261	7175	6418	6493	6662	6737	7033	7698	7607	6622	4955	3748	3205	3753	4999	6539	
60	7782	7734	6733	6584	6657	6834	7390	8127	7718	6342	4306	2811	2259	2898	4627	6752	
65	7505	7917	7265	6704	6544	7008	7978	7699	6636	5307	3317	1793	1425	1909	3724	6151	
70	5797	6404	7941	6492	5407	6681	8533	5452	4516	3513	2158	1048	871	1133	2475	4429	
75	3376	3809	8108	4923	3289	5012	7439	2721	2279	1908	1133	599	537	648	1381	2602	
80	1339	1637	5903	2807	1563	2953	4153	1095	938	837	467	315	302	339	596	1090	
85	360	360	1691	1168	505	997	1086	293	235	163	118	95.9	109	113	135	217	
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: 24.7℃

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: