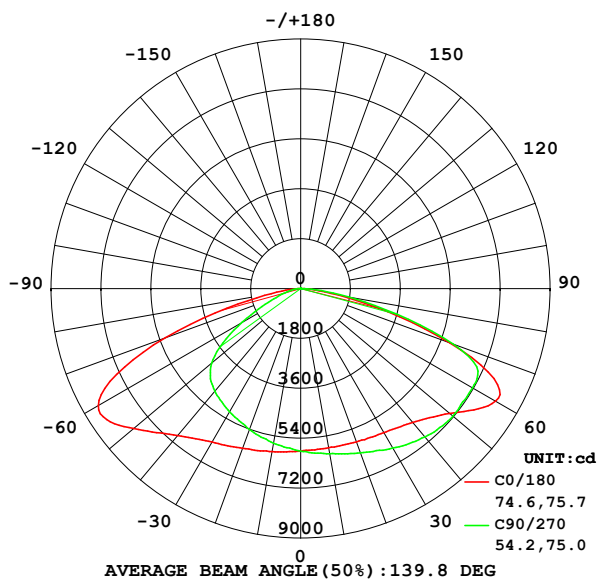
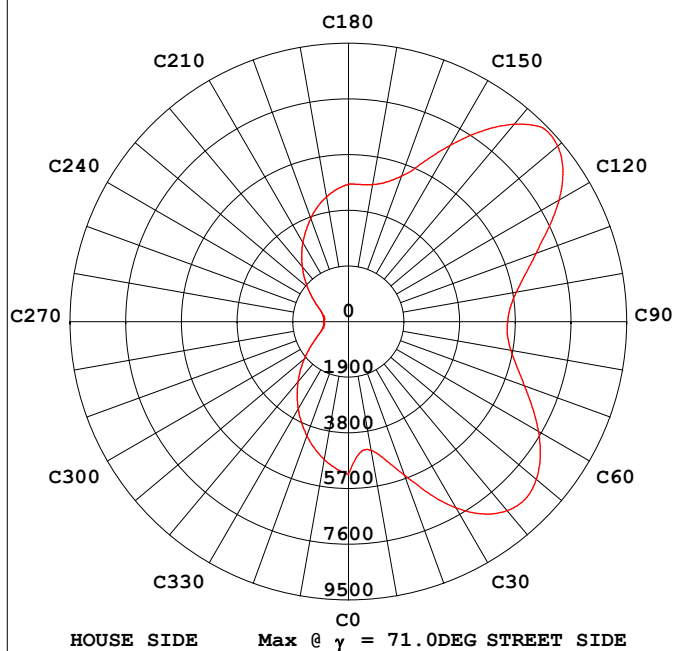


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.82 lm/W			
MODEL	AL-240WS-3CS-T4	Imax (cd)	9369	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	$\eta$ street_down (%)	60.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29555	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	29620.8	MAXIMUM @ (C, $\gamma$ )	135,71.0	$\eta$ house_down (%)	39.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	24.048

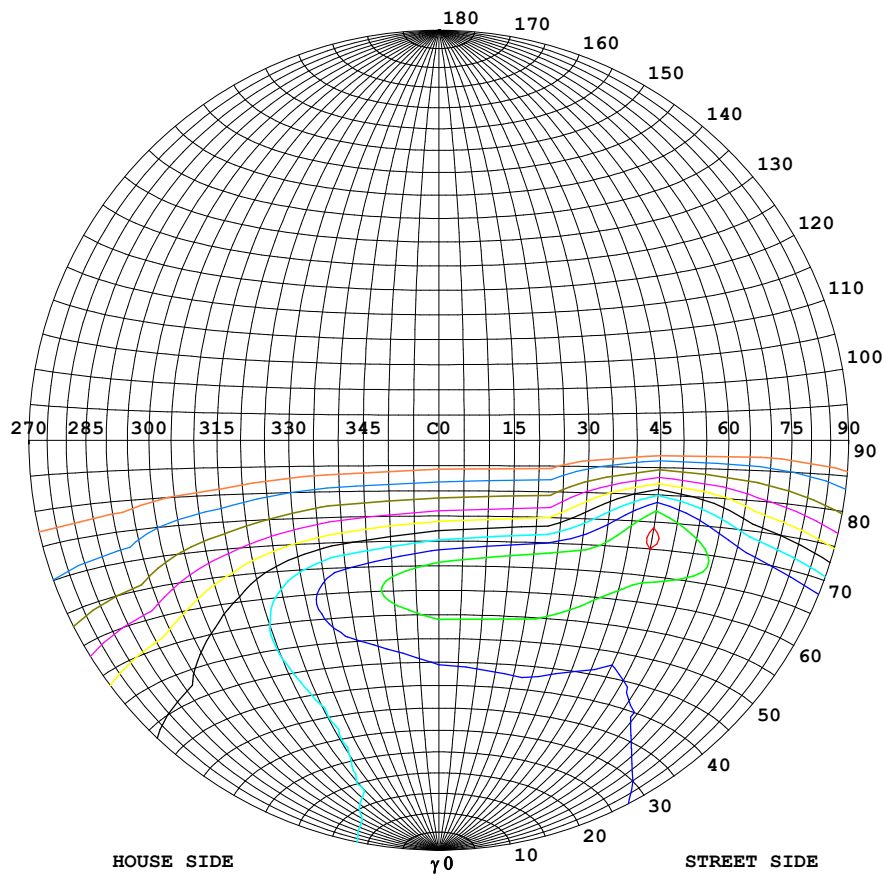
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



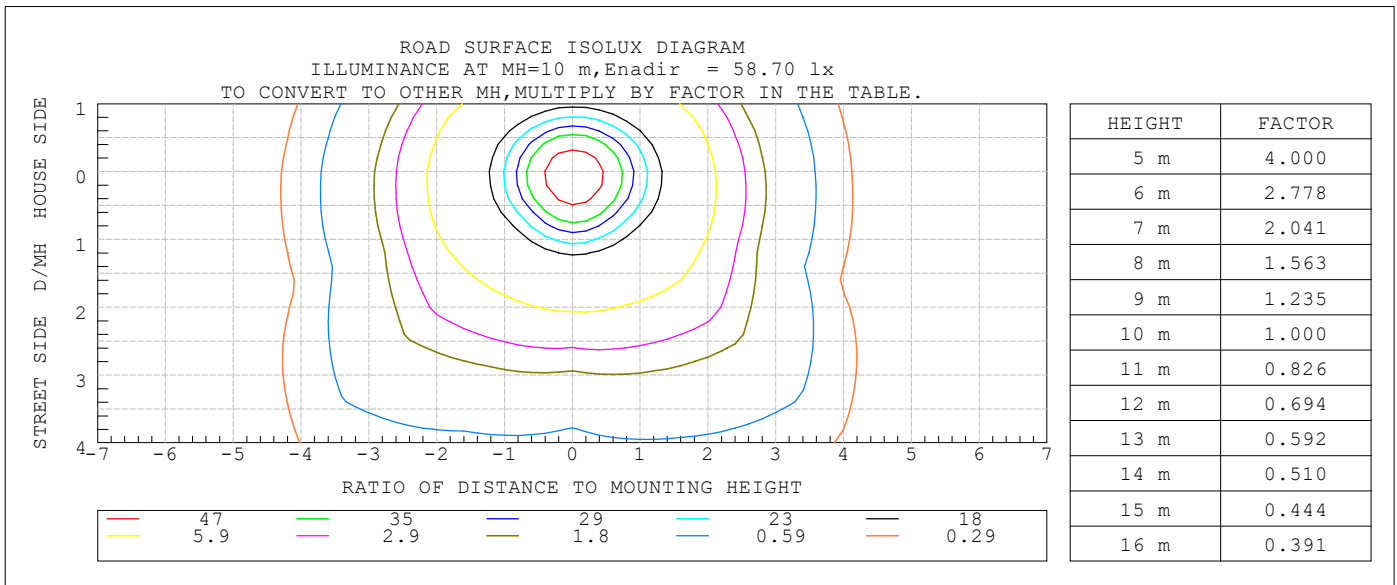
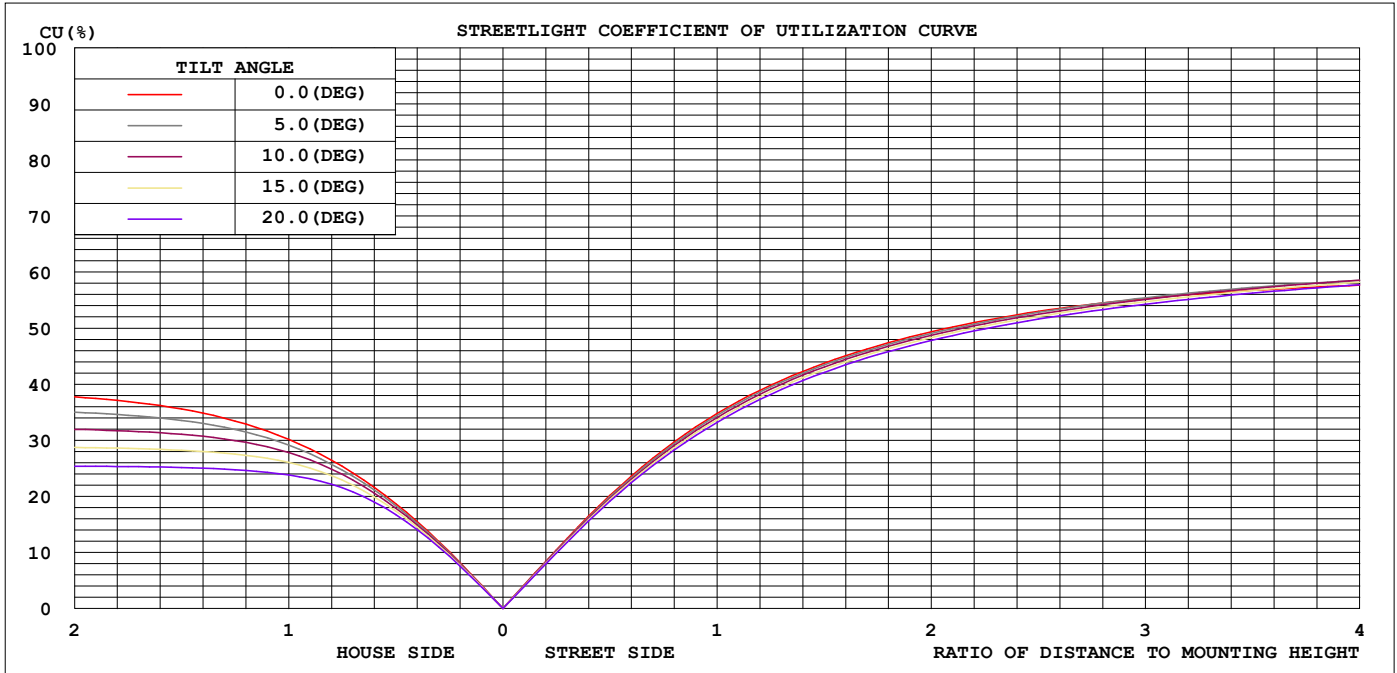
Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:187.5cd/klm  
Max.At90:0cd/klm  
Max.80-90:187.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9369
90%	8432
80%	7495
70%	6558
60%	5621
50%	4684
40%	3748
30%	2811
20%	1874
10%	937
5%	468

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

### ZONAL FLUX DIAGRAM

Test:U:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

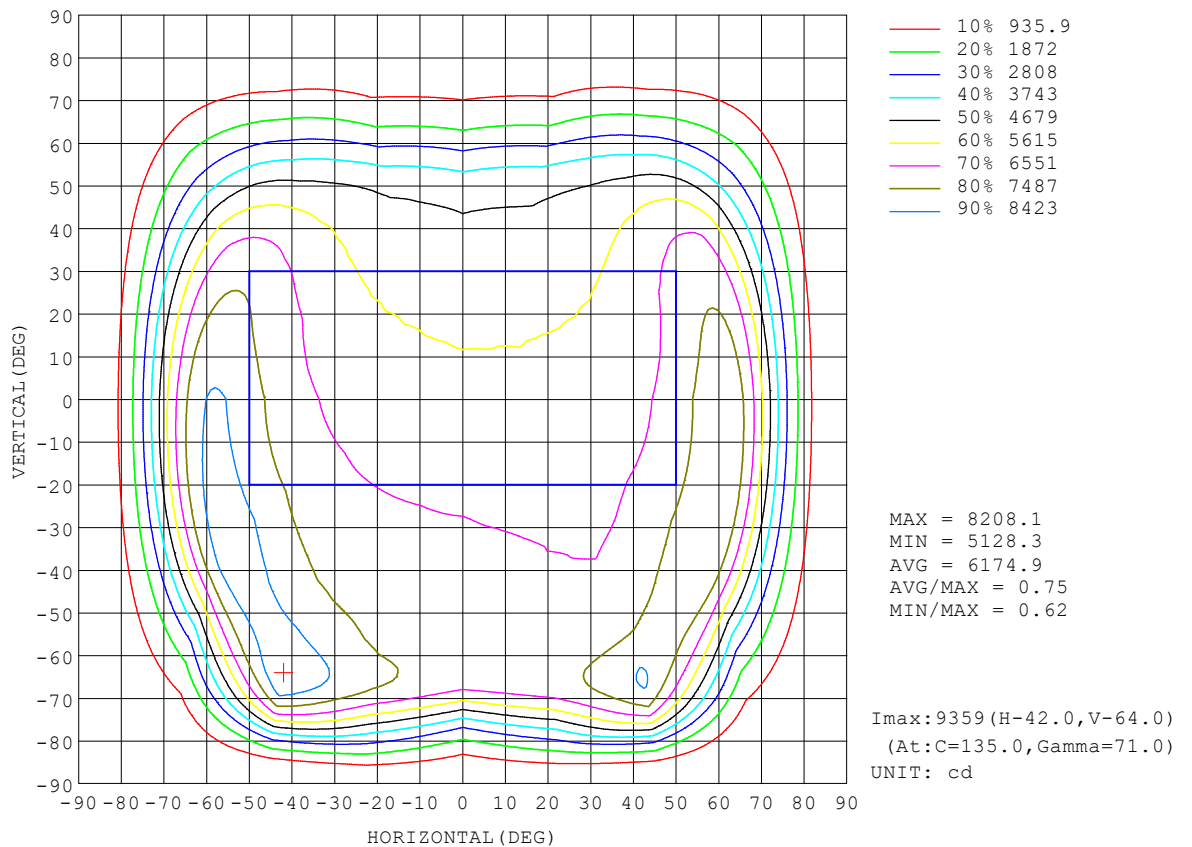
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5826	5941	6048	6081	5972	5787	5666	5721	0- 10	560.5	560.5	1.9,1.89
20	5887	6096	6305	6328	6136	5718	5410	5593	10- 20	1674	2235	7.56,7.54
30	5999	6248	6640	6582	6393	5656	5132	5473	20- 30	2765	5000	16.9,16.9
40	6300	6375	6984	6875	6925	5687	4827	5405	30- 40	3831	8831	29.9,29.8
50	7005	6614	7165	7353	7857	5687	4199	5396	40- 50	4891	13722	46.4,46.3
60	8121	7114	7159	8128	8432	4733	2438	4822	50- 60	5812	19534	66.1,65.9
70	5718	8437	5856	9357	5192	2373	945.3	2577	60- 70	5792	25326	85.7,85.5
80	1388	5555	1759	5141	1086	560.2	327.6	583.3	70- 80	3527	28852	97.6,97.4
90	0	0	0	0	0	0	0	0	80- 90	702.6	29555	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29555	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29555	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29555	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29555	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29555	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29555	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29555	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29555	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29555	100,99.8
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

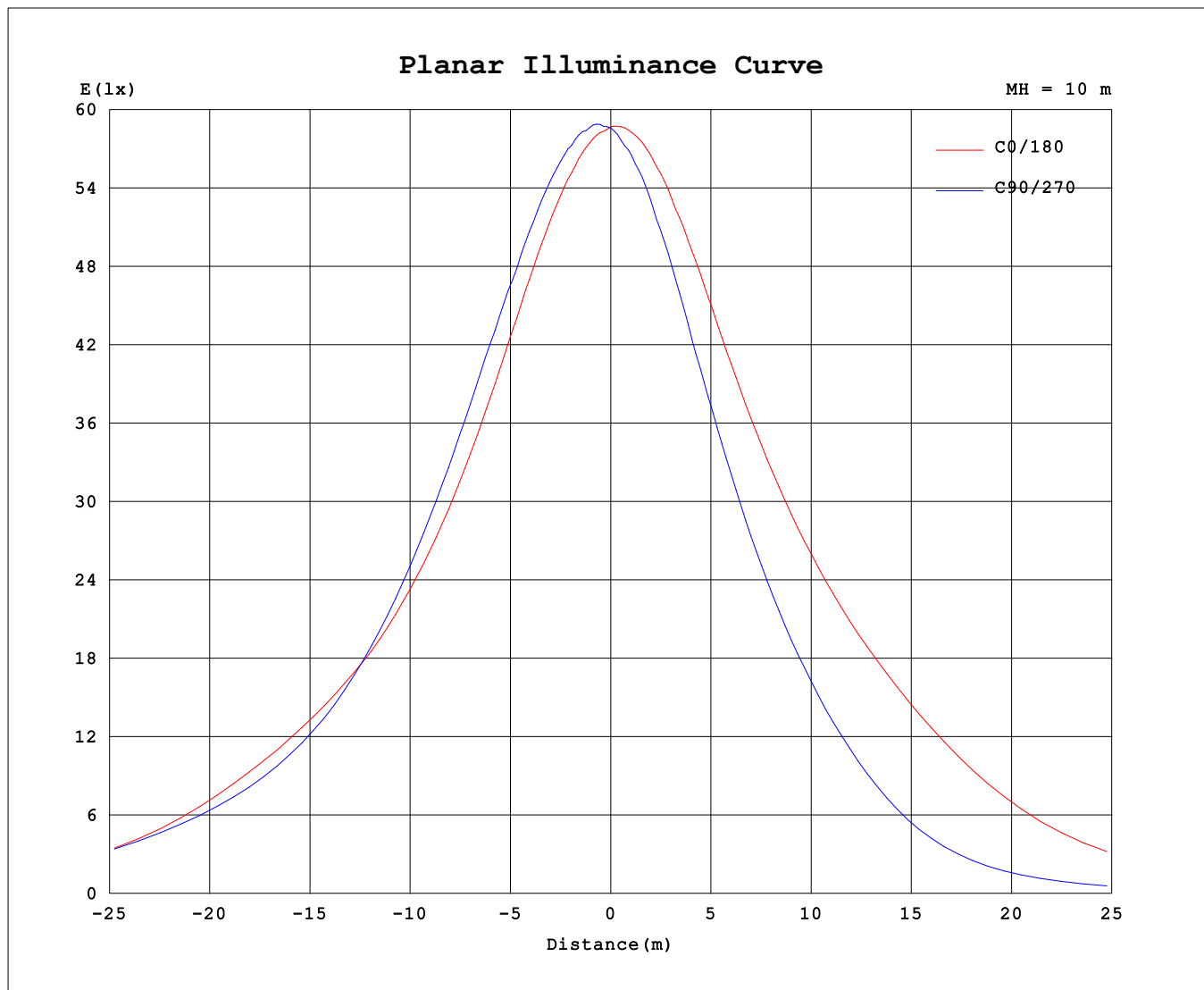
Test:U:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



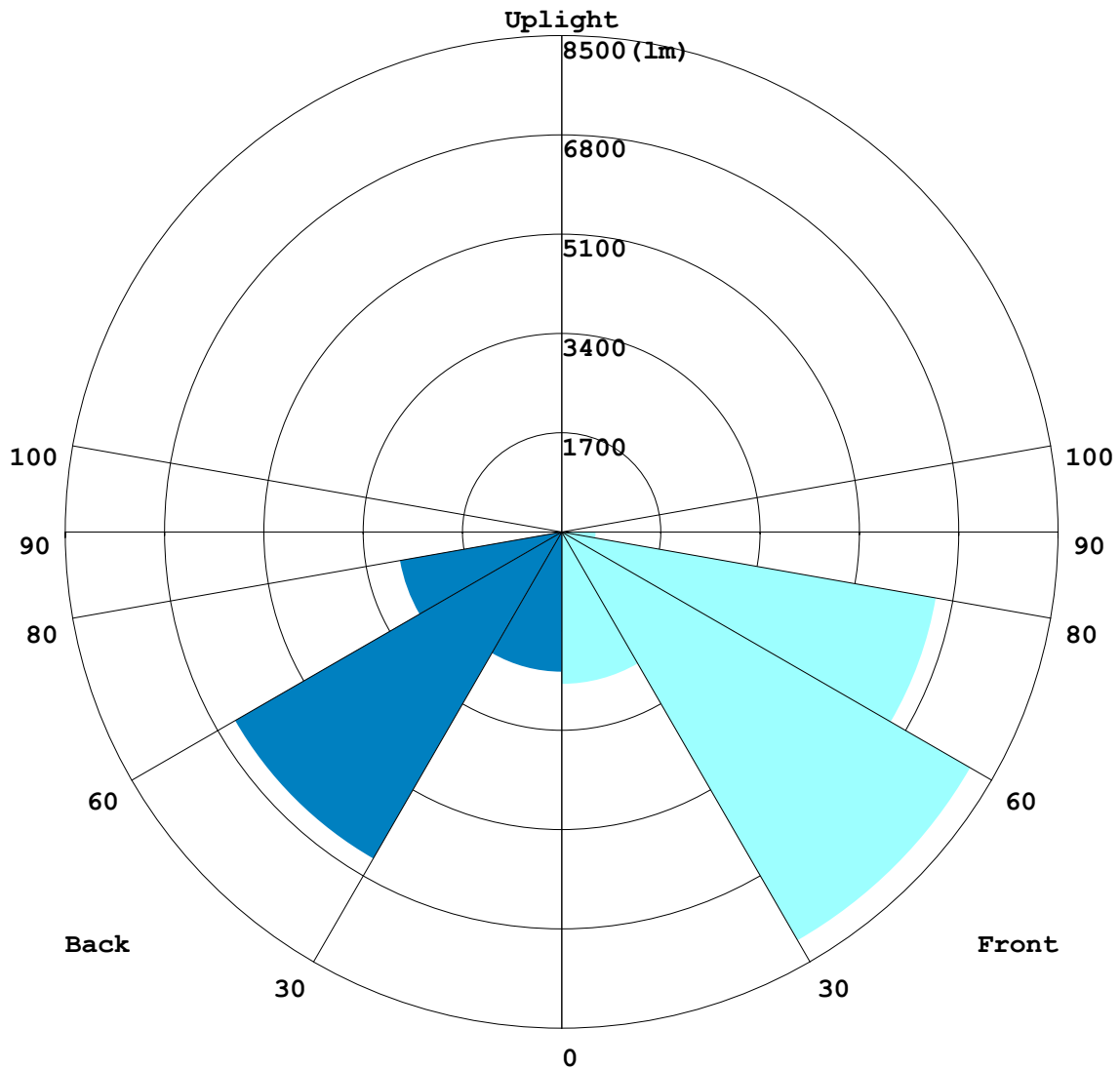
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.7°C  
 Operators: DAMIN  
 Test Date: 2024-12-22

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:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 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°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:

### BUG REPORT

Test:U:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 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)	2604.1	8.8
FM - Front-Medium(30-60)	8077.9	27.3
FH - Front-High(60-80)	6504.3	22.0
FVH - Front-Very High(80-90)	581.26	2.0
Total Forward Light	17768	60.1

BL - Back-Low(0-30)	2395.6	8.1
BM - Back-Medium(30-60)	6456.4	21.8
BH - Back-High(60-80)	2814.2	9.5
BVH - Back-Very High(80-90)	121.37	0.4
Total Back Light	11787	39.9

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	11787	0	11787
Street Side	17768	0	17768

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

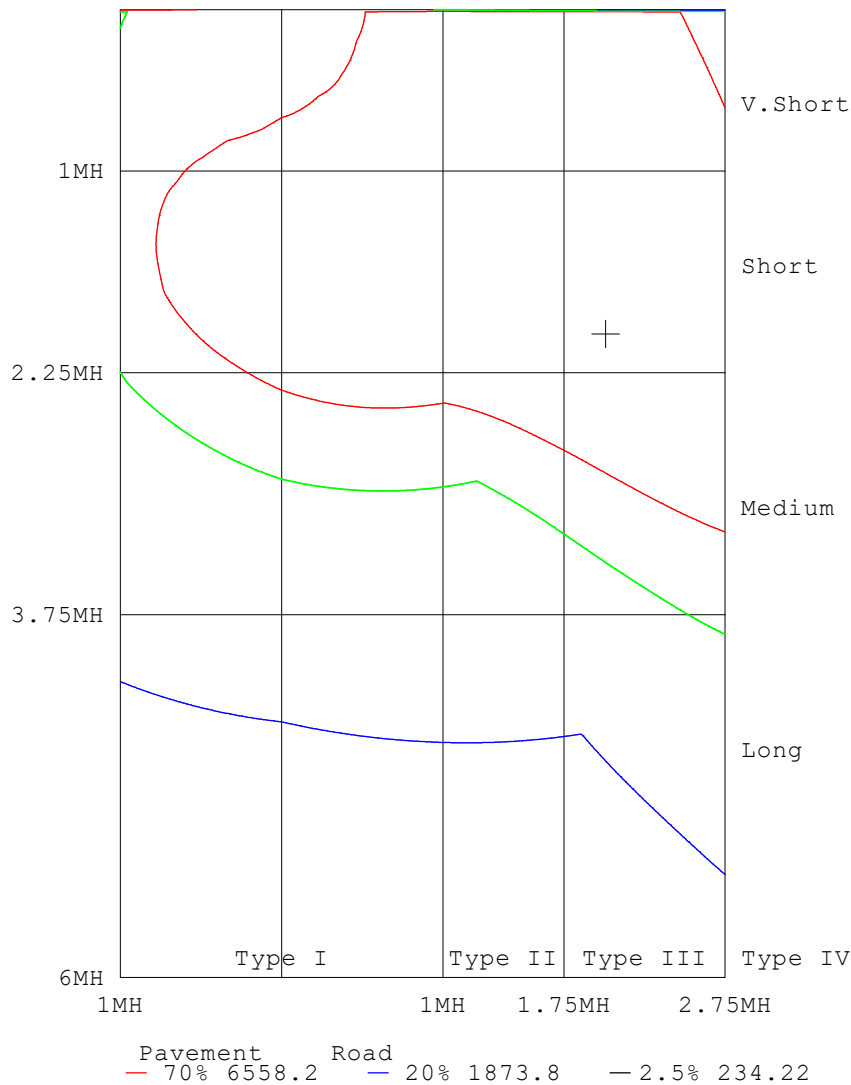
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 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:118.98V I:1.5945A P:189.67W PF:0.9998 Freq:60.01Hz Lamp Flux:29620.8x1 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	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864	5864			
5	5838	5876	5909	5938	5956	5980	5977	5942	5908	5867	5826	5791	5764	5781	5795	5807			
10	5826	5900	5941	6013	6048	6085	6081	6035	5972	5887	5787	5708	5666	5677	5721	5771			
15	5851	5946	6020	6101	6168	6208	6199	6138	6050	5917	5740	5616	5545	5569	5654	5754			
20	5887	6000	6096	6202	6305	6335	6328	6255	6136	5954	5718	5509	5410	5449	5593	5748			
25	5926	6068	6179	6308	6450	6479	6454	6384	6252	6012	5683	5398	5267	5329	5526	5759			
30	5999	6161	6248	6459	6640	6652	6582	6543	6393	6105	5656	5288	5132	5208	5473	5787			
35	6120	6269	6300	6588	6824	6816	6742	6744	6614	6253	5661	5185	4984	5087	5426	5849			
40	6300	6434	6375	6678	6984	6933	6875	7023	6925	6481	5687	5083	4827	4956	5405	5969			
45	6587	6669	6489	6801	7097	7057	7079	7411	7350	6771	5718	4930	4603	4802	5405	6182			
50	7005	7022	6614	6856	7165	7169	7353	7905	7857	7097	5687	4642	4199	4539	5396	6476			
55	7625	7527	6828	6931	7139	7254	7672	8479	8386	7287	5413	4046	3437	3995	5266	6840			
60	8121	8098	7114	7020	7159	7393	8128	8911	8432	6940	4733	3056	2438	3067	4822	7005			
65	7694	8245	7695	7158	7061	7629	8772	8483	7327	5829	3637	1977	1547	2020	3873	6326			
70	5718	6517	8437	6876	5856	7361	9357	6131	5192	3976	2373	1166	945	1202	2577	4401			
75	3252	3728	8218	5187	3598	5638	8498	3259	2750	2277	1296	671	580	685	1397	2517			
80	1388	1630	5555	3015	1759	3366	5141	1314	1086	963	560	356	328	356	583	1112			
85	353	385	1643	1151	569	1304	1405	340	288	189	140	113	117	114	135	222			
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: