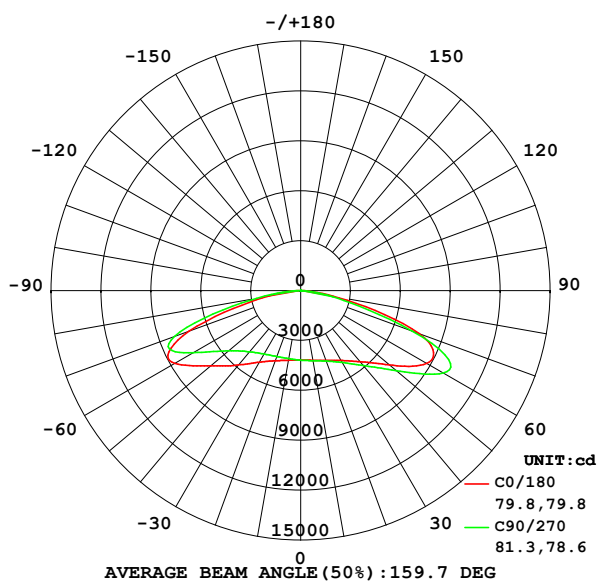
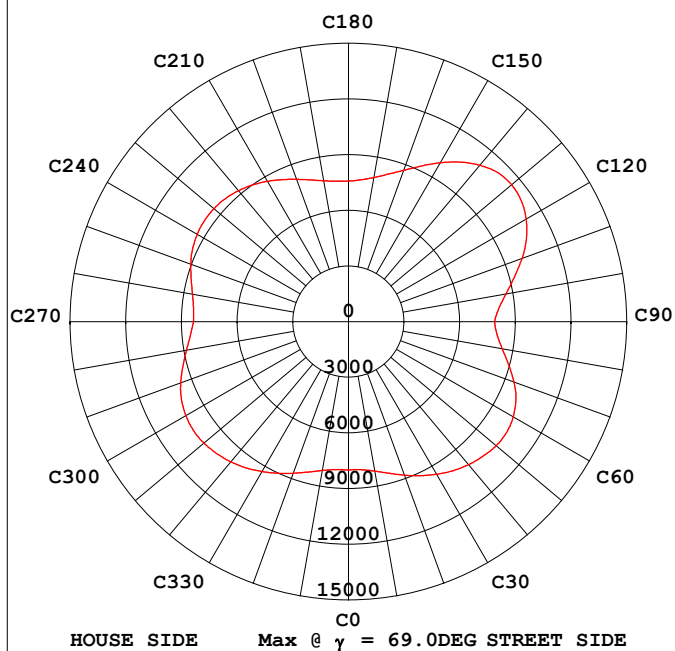


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.37 lm/W			
MODEL	AL-300WS-3CS-T5	I <sub>max</sub> (cd)	11371	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	51.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	35564	η house_up (%)	0.0
NOMINAL FLUX (lm)	35644.9	MAXIMUM @ (C, γ )	135,69.0	η house_down (%)	48.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	

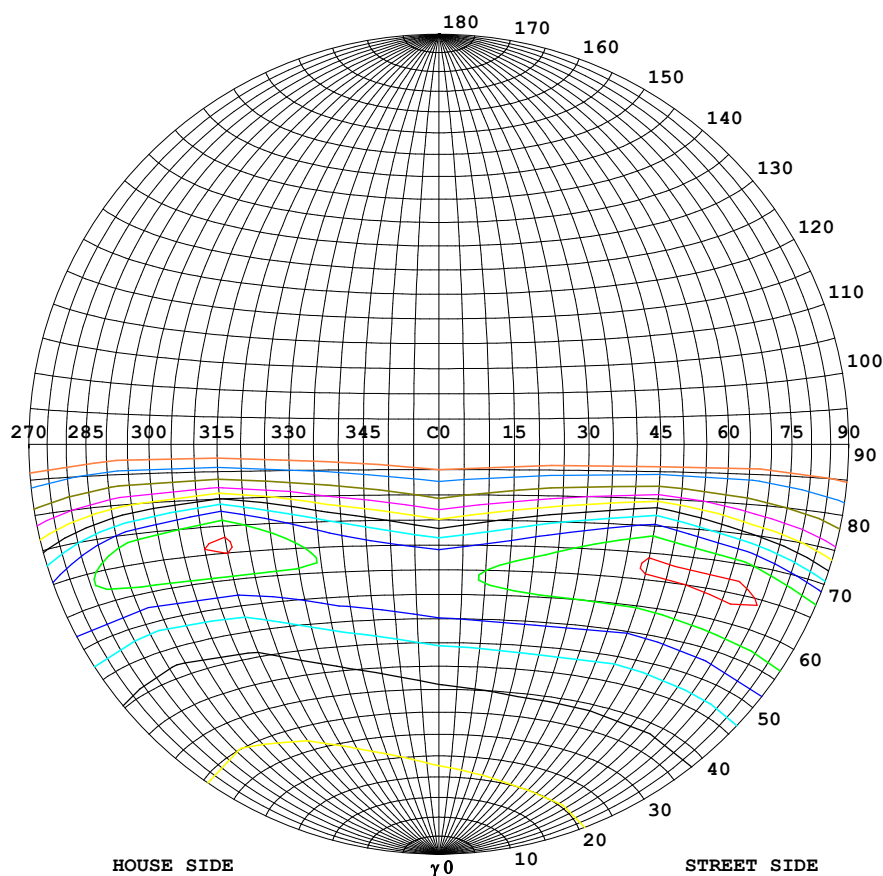
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
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:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



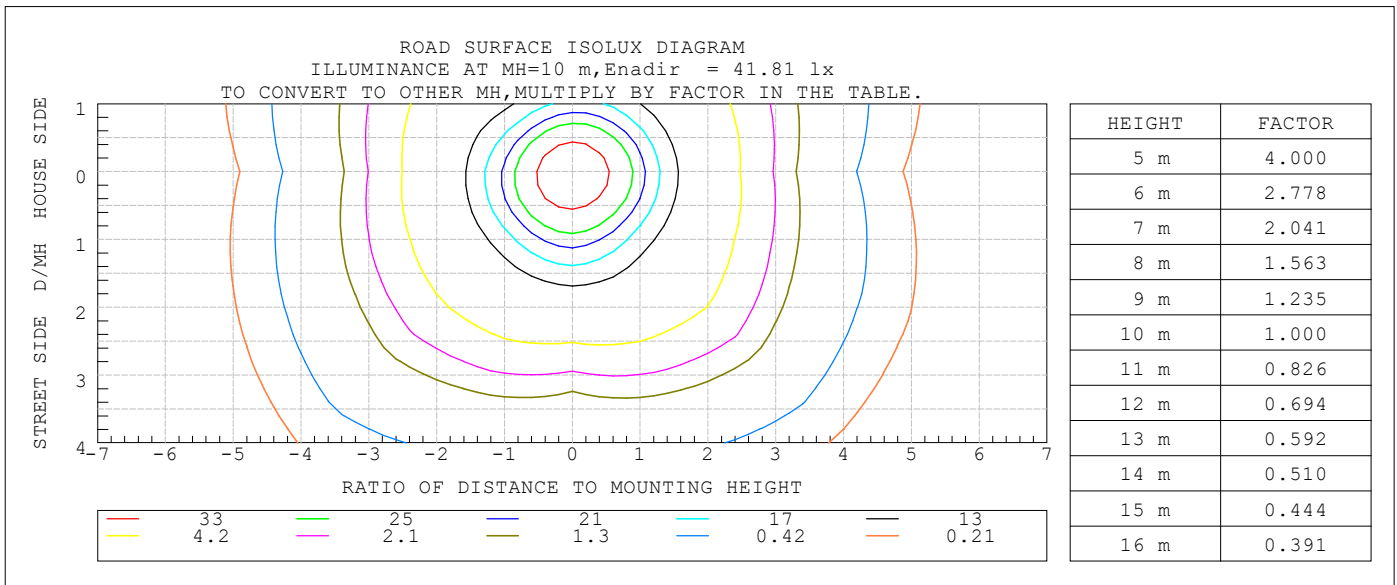
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:160.3cd/klm  
Max.At90:0cd/klm  
Max.80-90:160.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11371
90%	10234
80%	9097
70%	7960
60%	6823
50%	5686
40%	4548
30%	3411
20%	2274
10%	1137
5%	569

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

$\gamma$  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:

### ZONAL FLUX DIAGRAM

Test:U:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

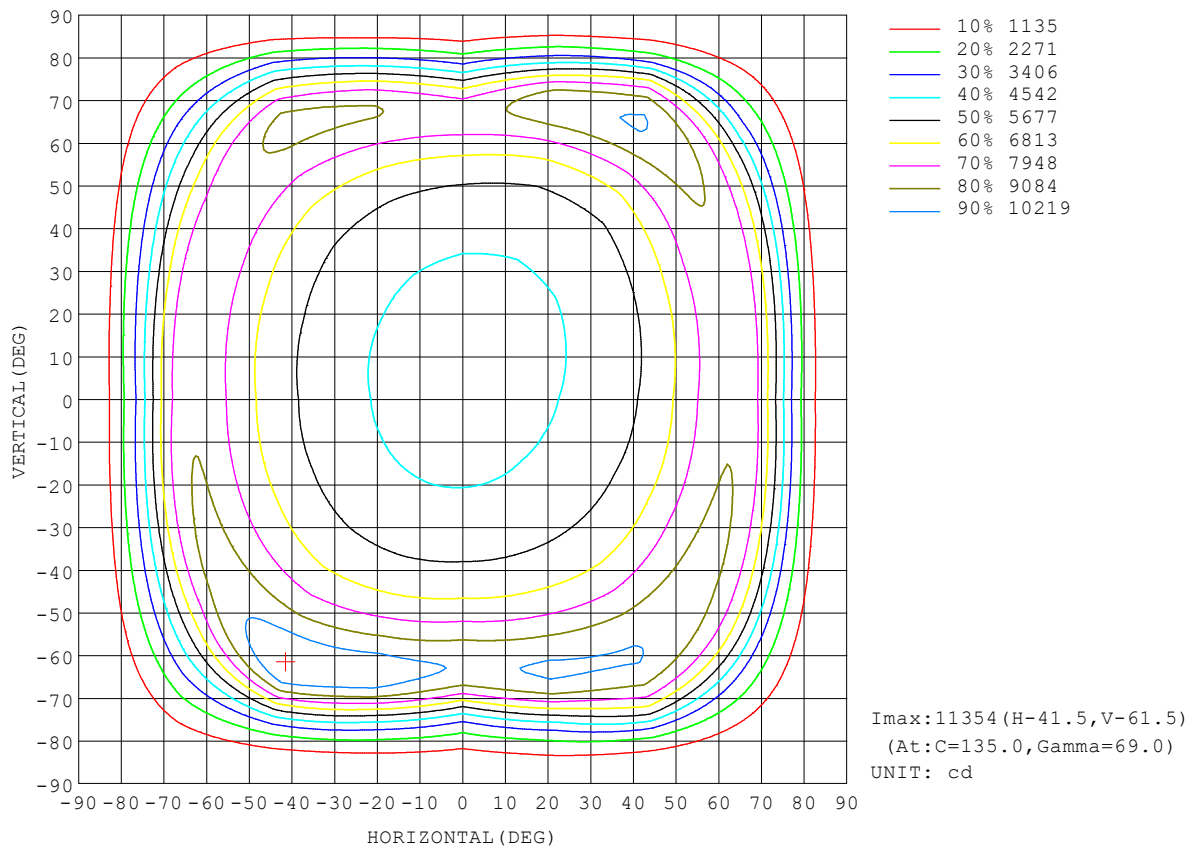
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	425.9	428.8	428.0	427.6	425.9	419.9	415.8	419.2	0- 10	402.1	402.1	1.13,1.13
20	447.4	455.1	451.7	450.4	449.5	434.5	422.4	428.6	10- 20	1226	1629	4.58,4.57
30	485.5	502.7	499.5	495.6	497.8	466.3	440.9	448.4	20- 30	2129	3757	10.6,10.5
40	559.1	581.0	588.8	574.6	584.2	523.5	481.0	487.3	30- 40	3215	6973	19.6,19.6
50	696.1	706.3	749.2	692.5	705.2	614.4	563.7	558.9	40- 50	4649	11621	32.7,32.6
60	875.9	918.7	991.2	907.9	875.6	769.0	747.8	737.4	50- 60	6778	18399	51.7,51.6
70	757.5	1011	716.2	1132	713.6	947.5	806.8	1023	60- 70	9096	27496	77.3,77.1
80	202.0	409.7	164.1	349.4	203.4	499.6	267.7	571.5	70- 80	6775	34270	96.4,96.1
90	0	0	0	0	0	0	0	0	80- 90	1294	35564	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	35564	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	35564	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	35564	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	35564	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	35564	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	35564	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	35564	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	35564	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	35564	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
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

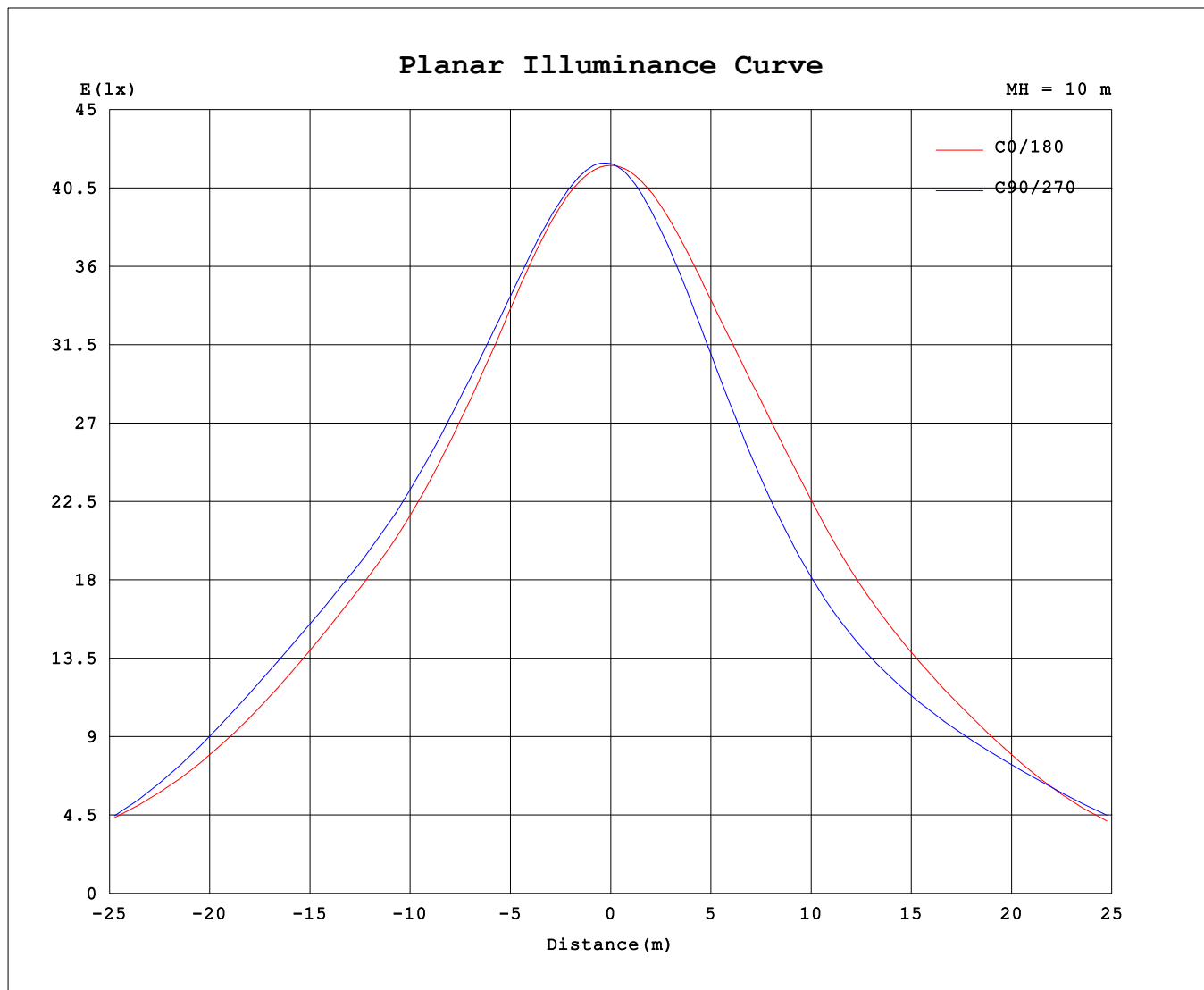
Test:U:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
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



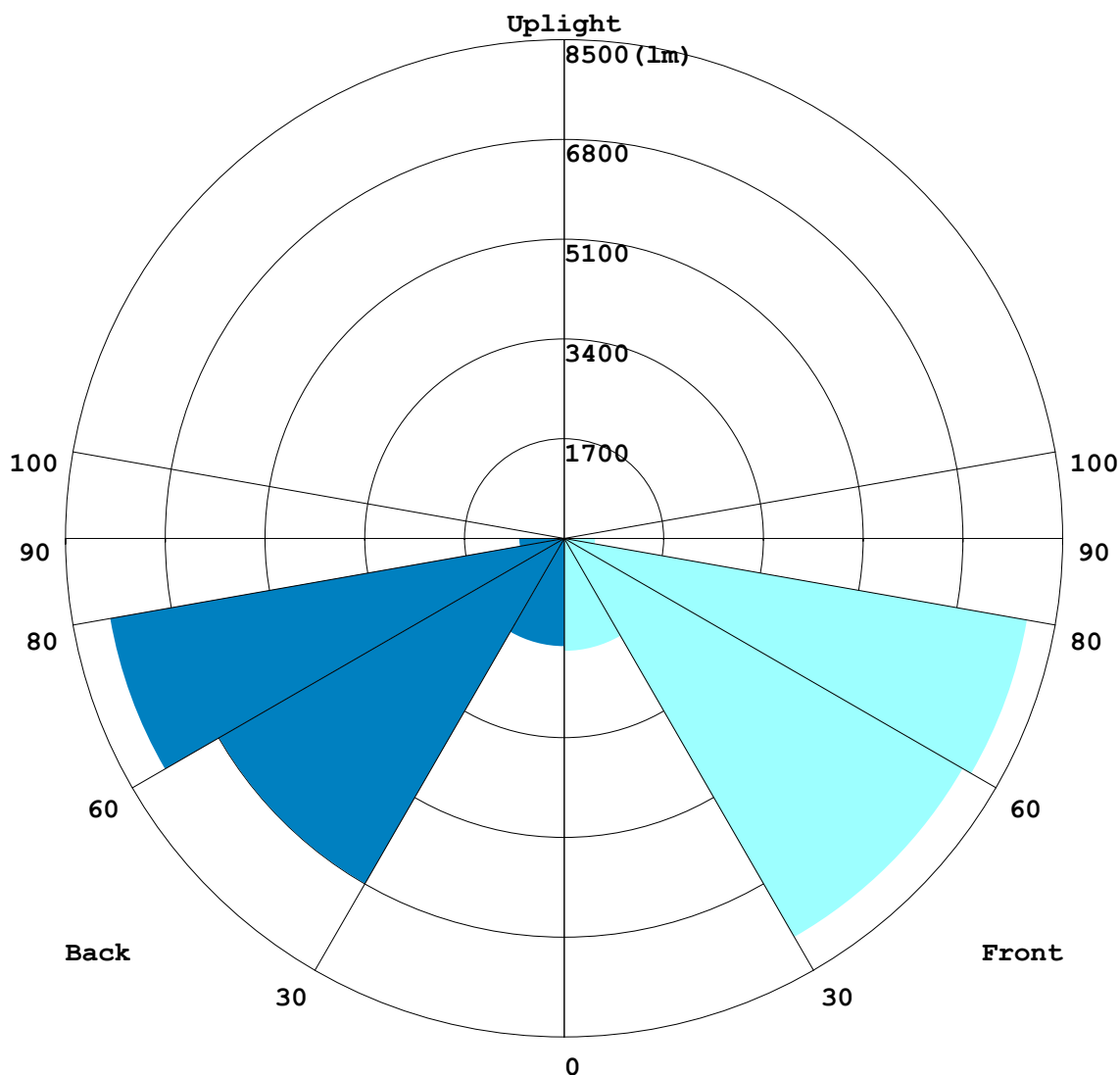
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8 °C  
Operators:DAMIN  
Test Date:2024-12-25

$\gamma$  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:

## LCS REPORT

Test:U:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 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: 25.8℃  
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:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 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)	1920.1	5.4
FM - Front-Medium(30-60)	7849.6	22.1
FH - Front-High(60-80)	8013.1	22.5
FVH - Front-Very High(80-90)	530.85	1.5
Total Forward Light	18314	51.5

BL - Back-Low(0-30)	1837.2	5.2
BM - Back-Medium(30-60)	6792.2	19.1
BH - Back-High(60-80)	7858	22.1
BVH - Back-Very High(80-90)	762.91	2.1
Total Back Light	17250	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-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17250	0	17250
Street Side	18314	0	18314

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

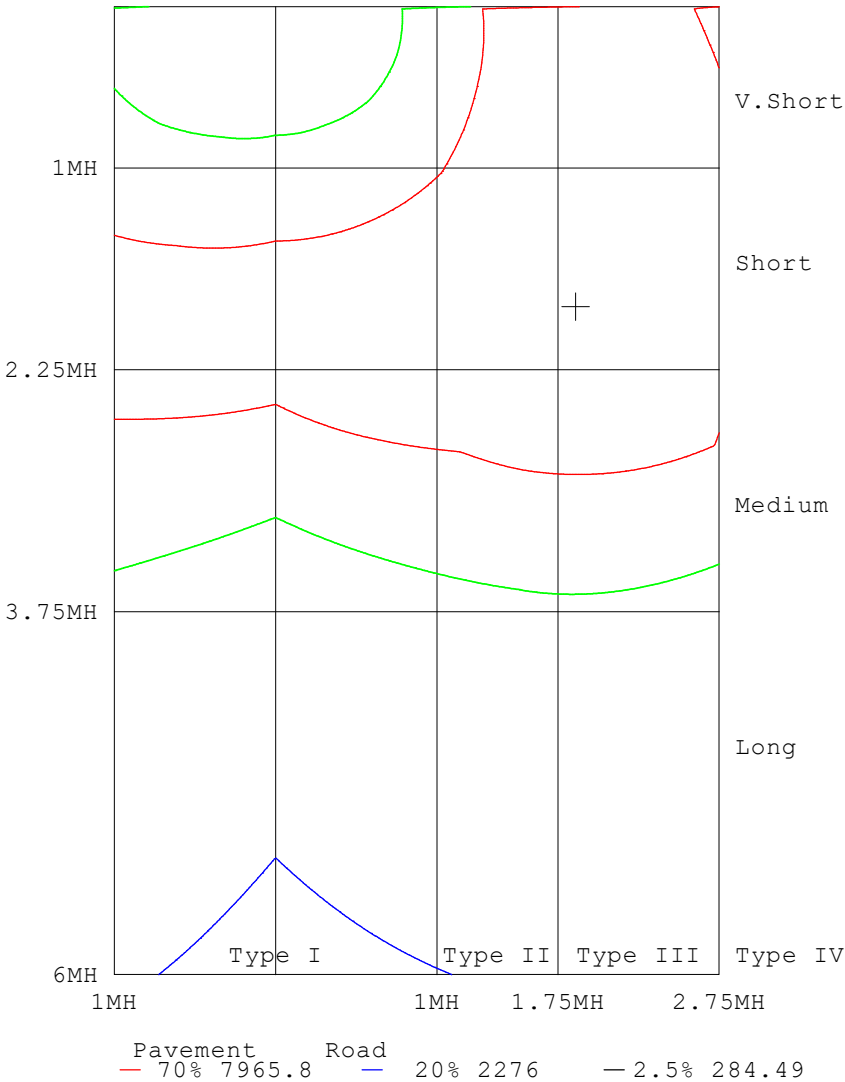
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 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: 25.8℃  
Operators:DAMIN  
Test Date:2024-12-25

50% 5689.9

5% 568.99

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:118.59V I:2.4716A P:293.03W PF:0.9997 Freq:60.01Hz Lamp Flux:35644.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlight lighting	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

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	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419			
5	421	422	422	422	422	422	422	421	421	419	418	417	417	417	418	419			
10	426	428	429	429	428	428	428	427	426	423	420	417	416	416	419	422			
15	435	438	439	439	438	436	436	436	435	431	425	420	418	418	422	429			
20	447	453	455	453	452	450	450	450	450	443	435	426	422	423	429	437			
25	464	472	476	474	472	469	469	470	470	459	448	436	430	430	437	449			
30	486	498	503	502	500	495	496	498	498	484	466	450	441	440	448	466			
35	517	533	537	539	538	531	531	536	536	517	491	470	458	454	465	490			
40	559	577	581	586	589	579	575	582	584	559	524	497	481	474	487	522			
45	615	634	635	647	656	638	626	639	640	609	563	533	514	502	517	566			
50	696	712	706	732	749	720	693	704	705	668	614	582	564	543	559	631			
55	795	812	804	844	871	836	785	787	789	744	684	655	640	611	628	726			
60	876	905	919	965	991	981	908	887	876	832	769	754	748	721	737	832			
65	882	946	1014	1037	982	1086	1062	958	876	890	872	865	855	874	889	899			
70	758	874	1011	933	716	981	1132	859	714	802	947	913	807	989	1023	870			
75	464	659	818	580	367	585	839	605	421	605	838	726	547	833	964	685			
80	202	303	410	256	164	249	349	322	203	359	500	387	268	426	571	335			
85	56.9	80.9	87.9	82.5	50.6	62.5	80.6	90.4	65.7	123	151	115	81.7	140	140	102			
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: 25.8℃  
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: