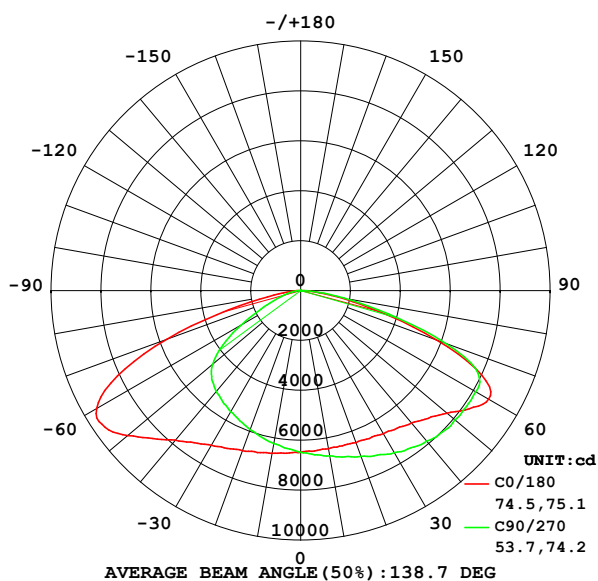
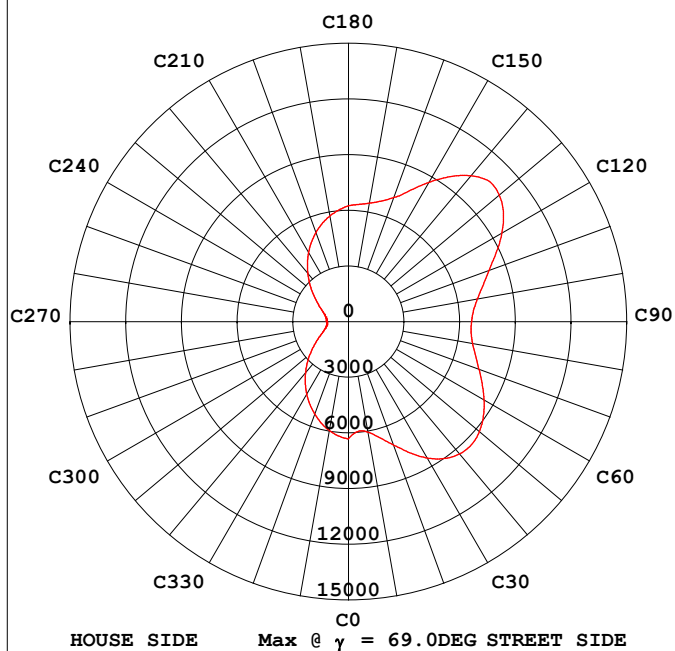


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.16 lm/W			
MODEL	AL-300WS-3CS-T4	I <sub>max</sub> (cd)	10726	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	60.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32795	η house_up (%)	0.0
NOMINAL FLUX (lm)	32869.4	MAXIMUM @ (C, γ )	135,69.0	η house_down (%)	39.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.147

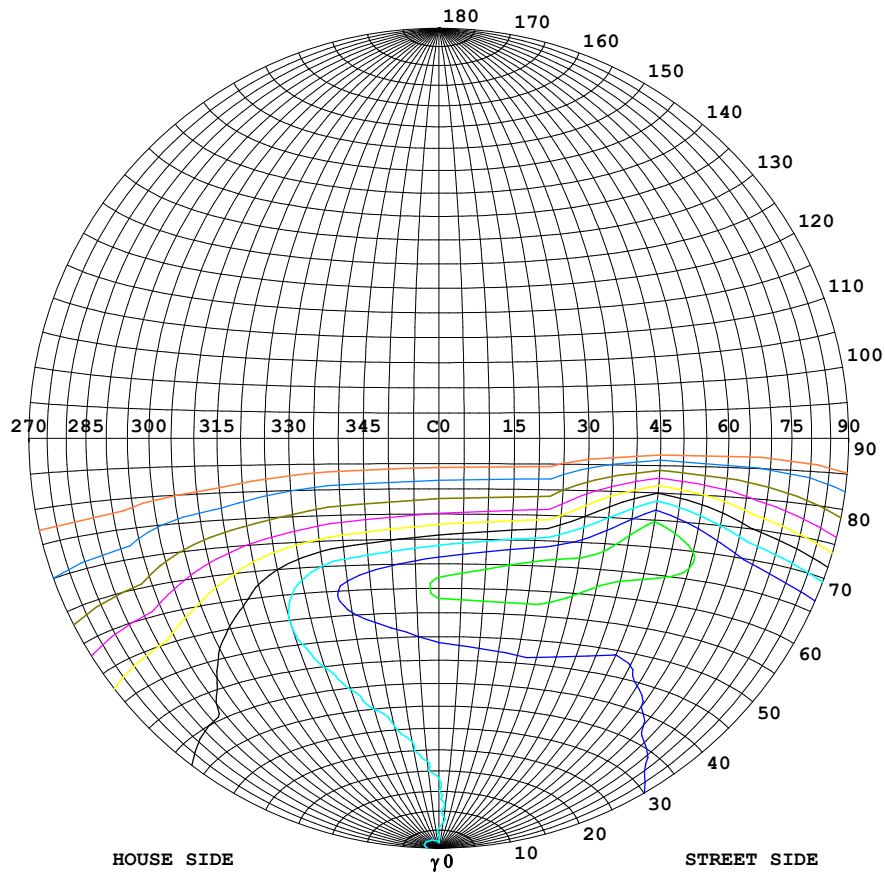
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



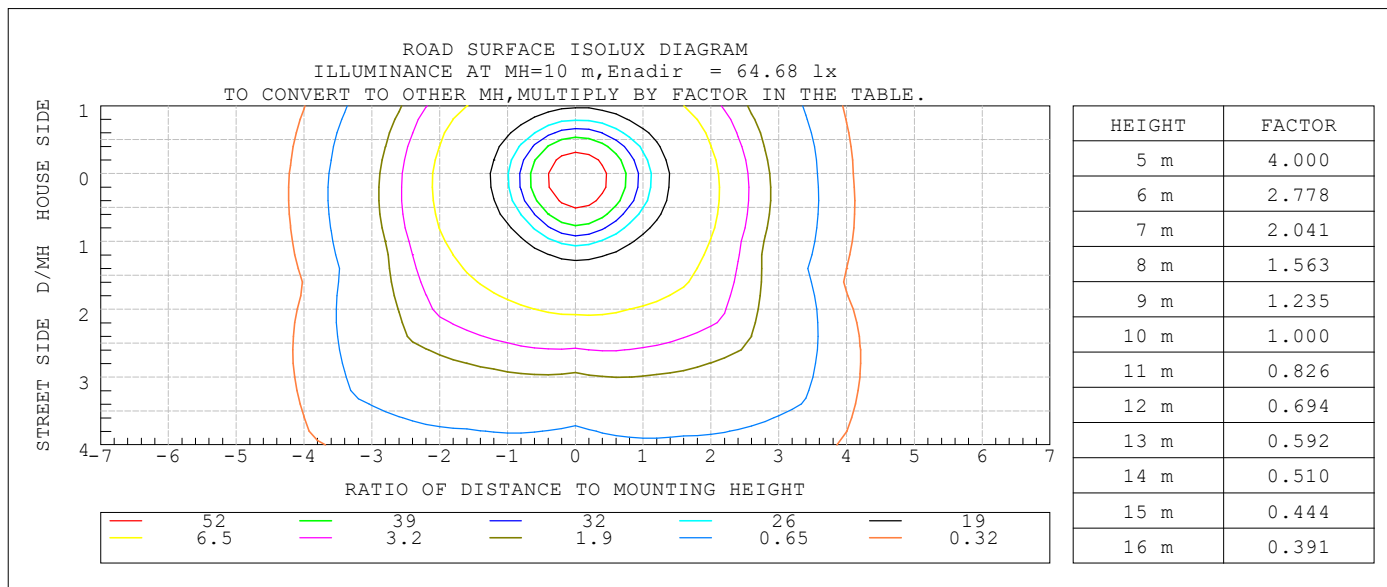
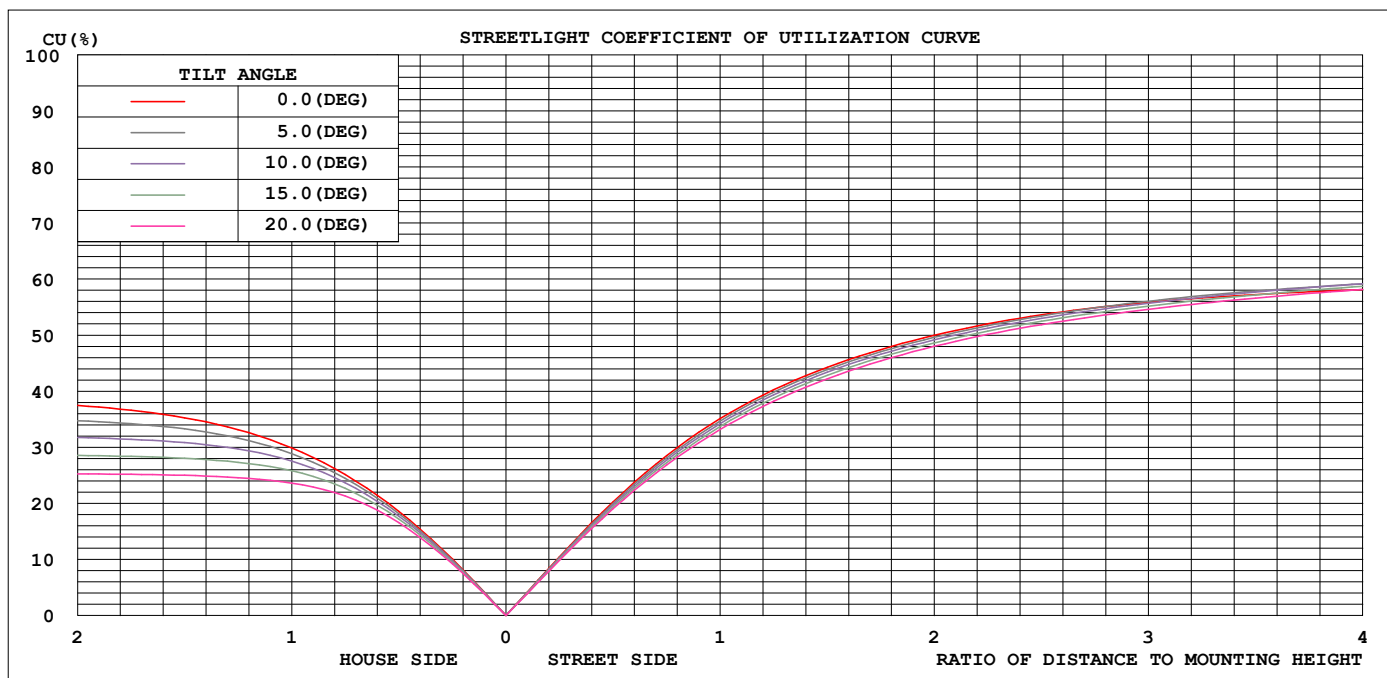
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:171.0cd/klm  
Max.At90:0cd/klm  
Max.80-90:171.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10726
90%	9654
80%	8581
70%	7508
60%	6436
50%	5363
40%	4290
30%	3218
20%	2145
10%	1073
5%	536

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

$\gamma$  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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators: DAMIN  
Test Date: 2024-12-27

$\gamma$  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:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

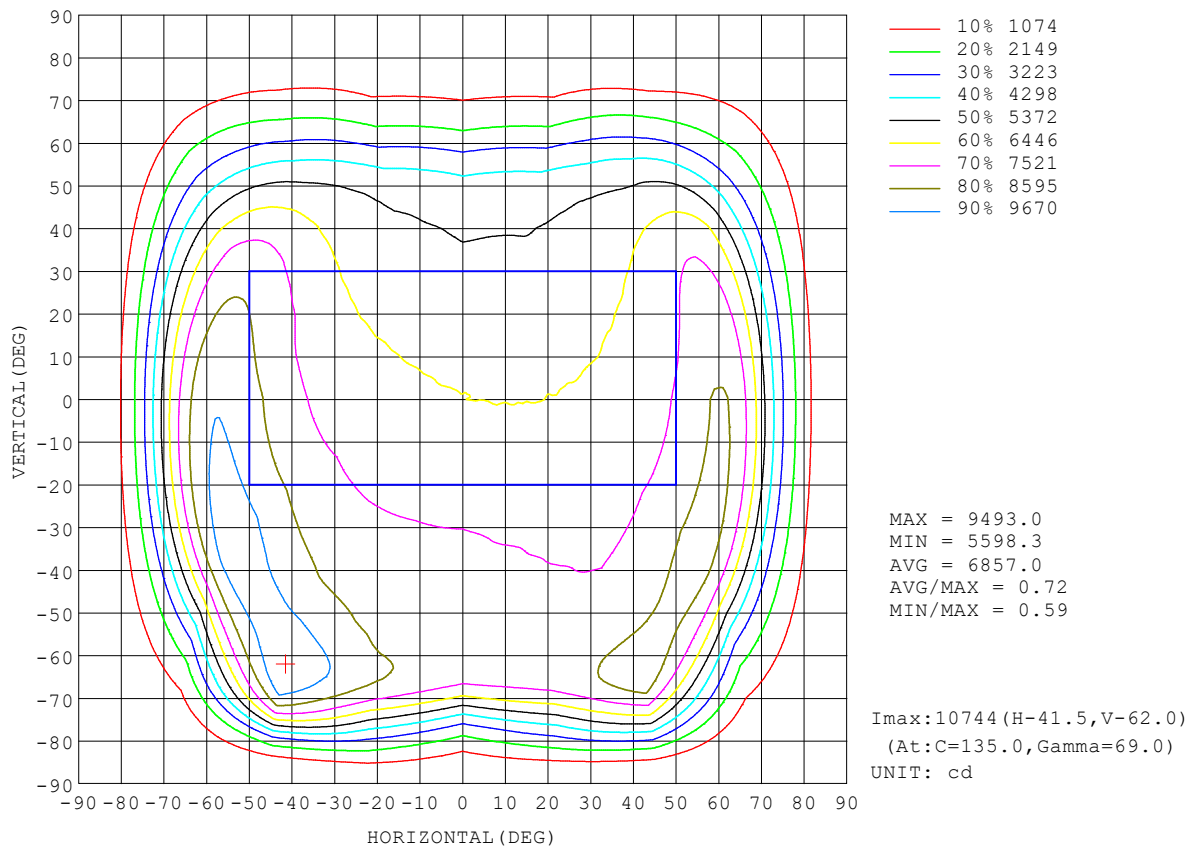
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	643.8	662.0	672.9	675.1	662.3	638.2	622.8	625.6	0- 10	619.7	619.7	1.89,1.89
20	648.5	679.9	706.7	708.3	682.7	628.9	593.1	607.5	10- 20	1854	2474	7.54,7.53
30	661.8	699.6	750.2	744.4	716.3	624.8	561.2	592.5	20- 30	3070	5544	16.9,16.9
40	692.8	723.2	787.8	787.1	783.2	632.0	527.2	583.6	30- 40	4271	9815	29.9,29.9
50	765.4	755.1	807.2	847.4	904.2	636.9	461.3	582.6	40- 50	5481	15296	46.6,46.5
60	869.4	812.9	810.9	953.0	943.4	538.3	274.5	516.5	50- 60	6534	21829	66.6,66.4
70	579.0	947.0	618.9	1072	570.6	271.0	107.6	288.0	60- 70	6444	28274	86.2,86
80	152.9	532.9	175.8	562.2	110.6	65.91	37.42	62.62	70- 80	3796	32070	97.8,97.6
90	0	0	0	0	0	0	0	0	80- 90	725.2	32795	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	32795	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	32795	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	32795	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	32795	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	32795	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	32795	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	32795	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	32795	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	32795	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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

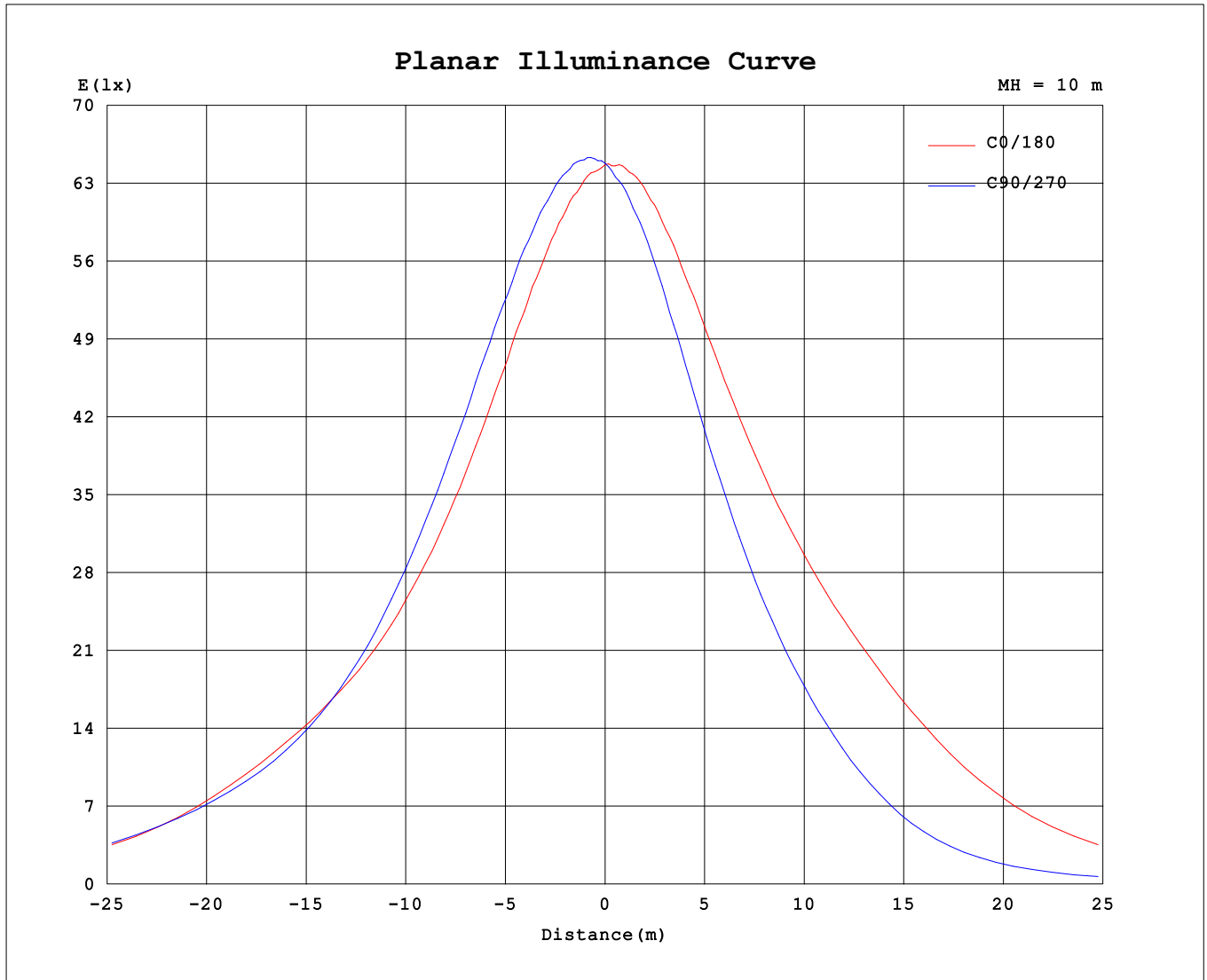
Test:U:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

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



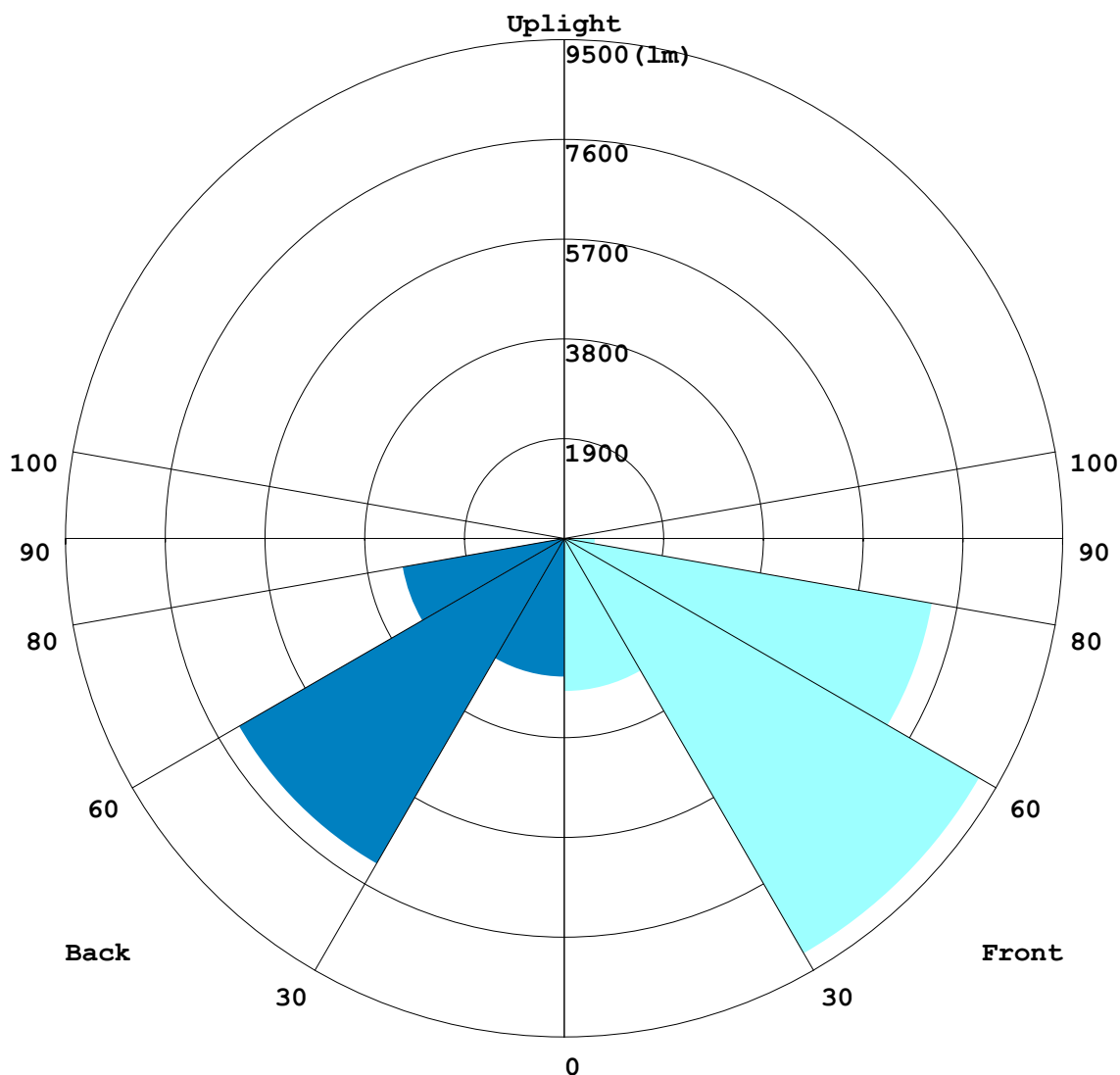
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 26.4 °C  
 Operators: DAMIN  
 Test Date: 2024-12-27

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:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 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)	2907.2	8.9
FM - Front-Medium(30-60)	9131.4	27.8
FH - Front-High(60-80)	7118.2	21.7
FVH - Front-Very High(80-90)	588.28	1.8
Total Forward Light	19745	60.2

BL - Back-Low(0-30)	2636.7	8.0
BM - Back-Medium(30-60)	7154.2	21.8
BH - Back-High(60-80)	3122.2	9.5
BVH - Back-Very High(80-90)	136.93	0.4
Total Back Light	13050	39.8

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	13050	0	13050
Street Side	19745	0	19745

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

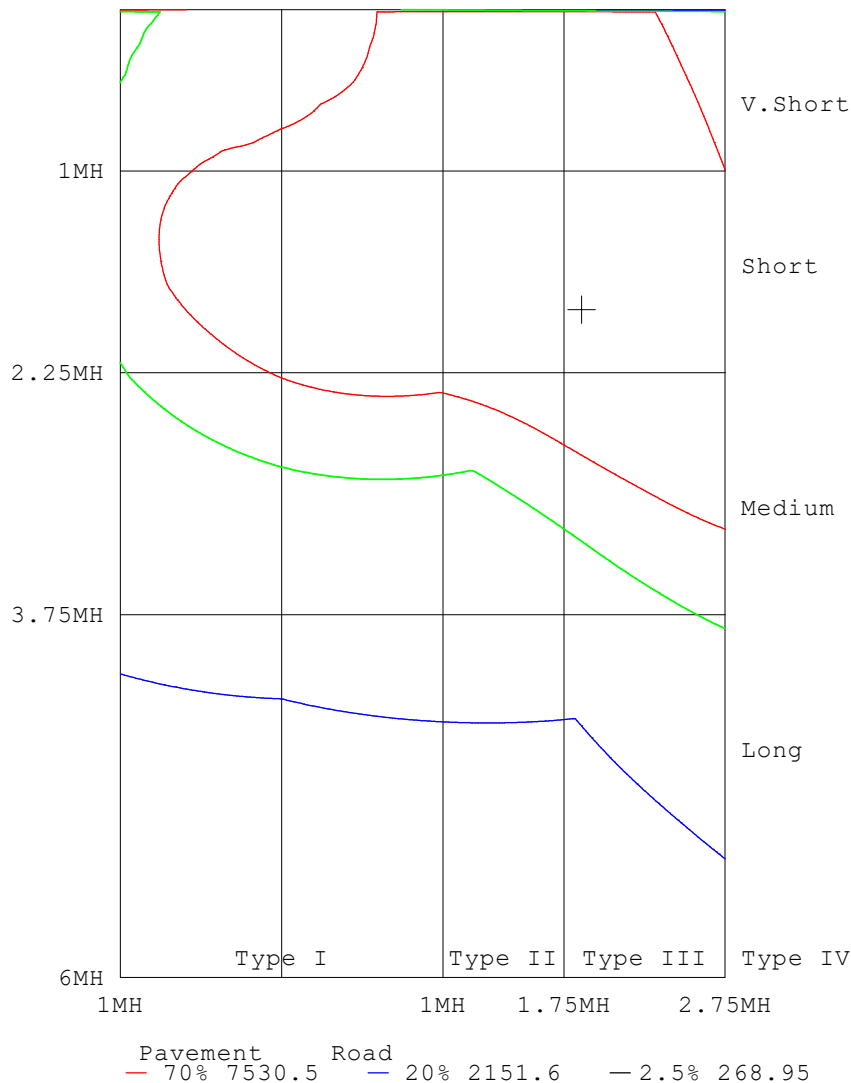
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 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: 26.4 °C  
Operators:DAMIN  
Test Date:2024-12-27

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:118.78V I:1.9992A P:237.38W PF:0.9997 Freq:60.01Hz Lamp Flux:32869.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite 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	648	648	648	648	648	648	648	648	648	648	648	648	648	648	648	648			
5	645	650	654	657	661	662	661	659	654	649	643	637	636	635	637	641			
10	644	653	662	667	673	677	675	671	662	651	638	628	623	622	626	636			
15	645	659	669	679	689	693	690	685	672	653	634	617	608	608	619	633			
20	649	665	680	695	707	712	708	701	683	660	629	605	593	594	608	631			
25	654	674	690	711	727	732	726	720	698	665	626	593	577	580	599	633			
30	662	684	700	730	750	750	744	742	716	677	625	580	561	565	592	635			
35	674	698	711	746	769	770	764	770	745	695	628	571	545	552	587	642			
40	693	717	723	761	788	784	787	807	783	725	632	559	527	538	584	655			
45	724	744	737	775	802	801	814	856	839	764	639	545	504	519	584	676			
50	765	779	755	783	807	815	847	920	904	808	637	512	461	491	583	704			
55	825	829	778	789	811	829	894	987	956	832	611	452	382	435	568	740			
60	869	886	813	801	811	849	953	1022	943	786	538	347	274	339	517	752			
65	799	884	877	812	785	874	1030	951	809	649	414	229	176	226	424	676			
70	579	681	947	746	619	812	1072	675	571	453	271	137	108	135	288	467			
75	328	380	848	540	365	596	966	362	299	268	153	78.8	65.5	76.7	154	263			
80	153	172	533	312	176	339	562	142	111	108	65.9	42.1	37.4	40.0	62.6	127			
85	39.7	44.7	164	109	55.2	132	132	35.0	28.9	21.1	16.0	13.7	14.1	13.1	16.4	27.3			
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: 26.4℃  
Operators:DAMIN  
Test Date:2024-12-27

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: