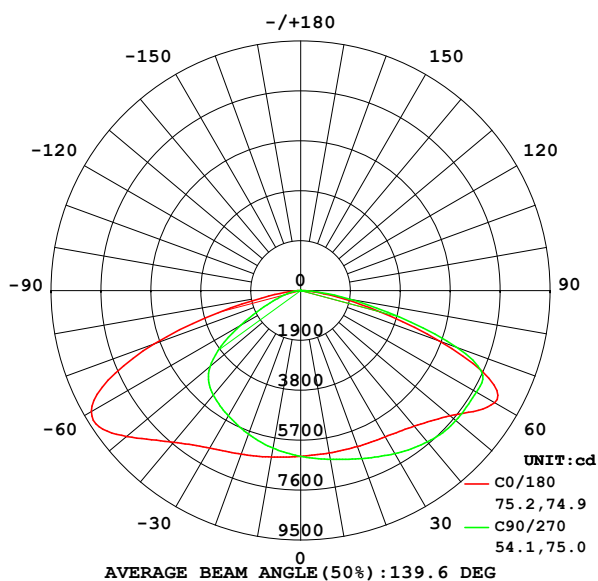
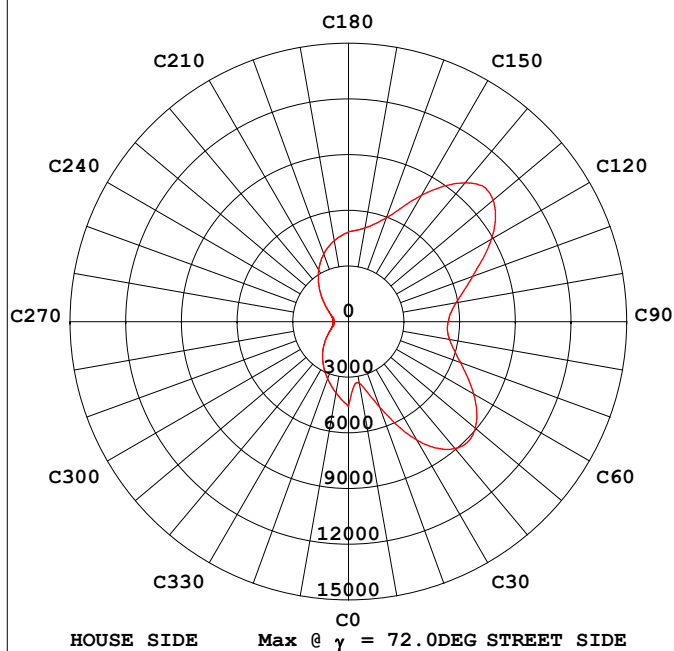


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 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-240WS-3CS-T4	Imax (cd)	10311	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	$\eta$ street_down (%)	60.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	31878	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	31949.7	MAXIMUM @ (C, $\gamma$ )	135,72.0	$\eta$ house_down (%)	39.6
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	24.124

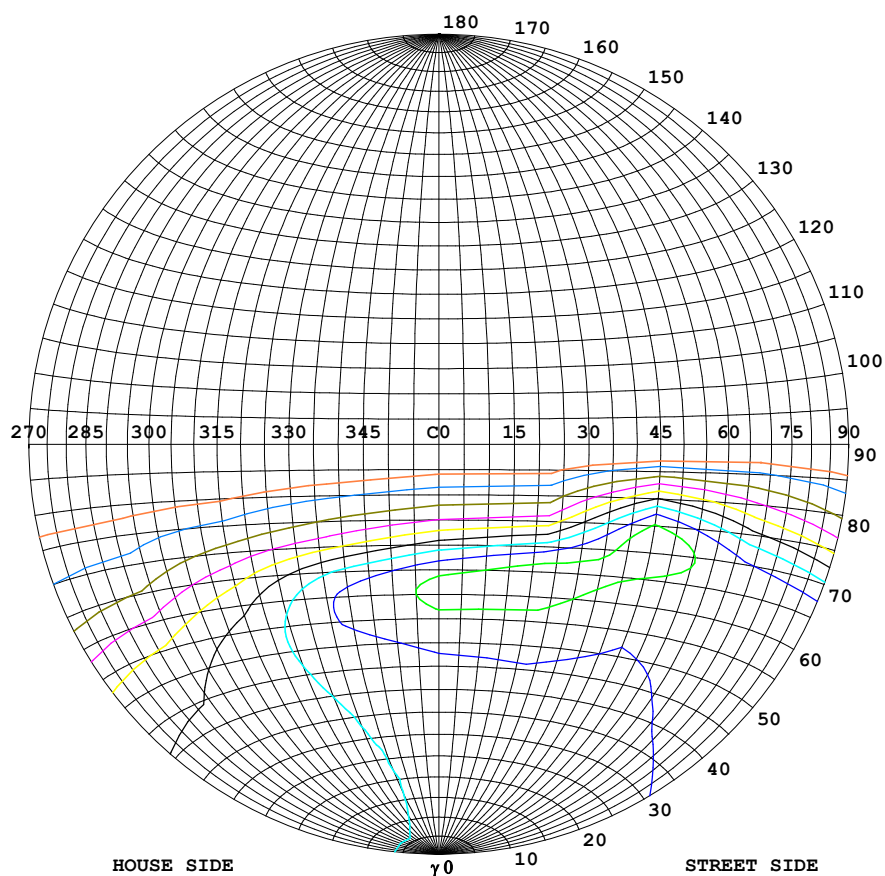
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8 °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:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



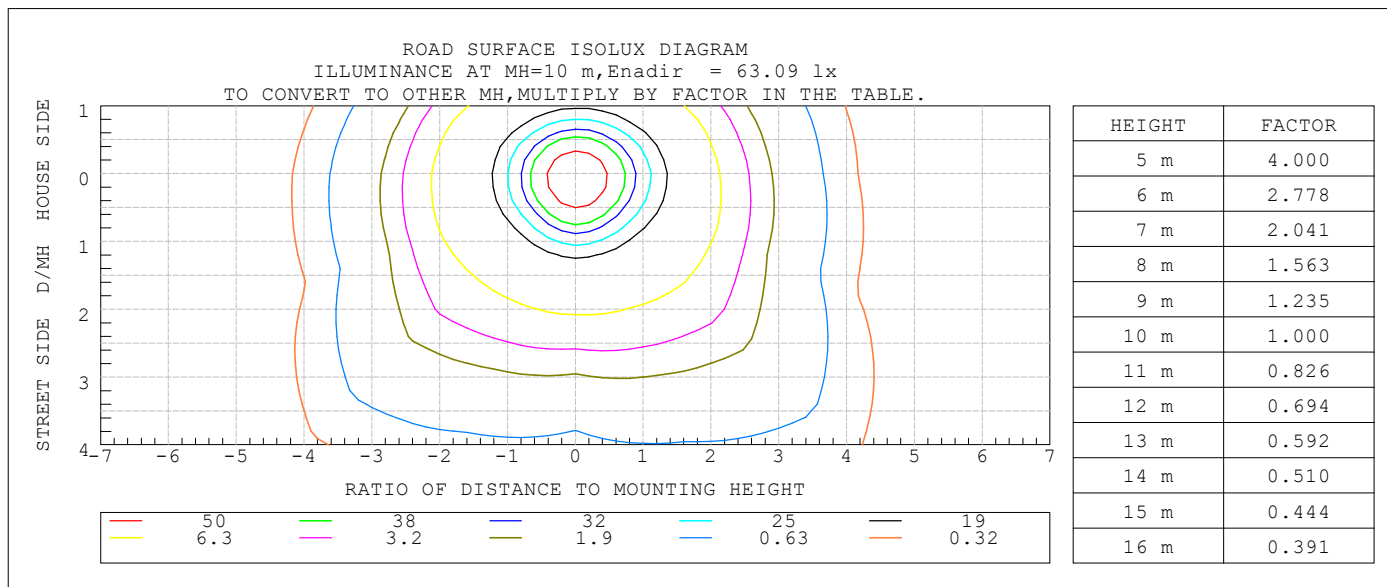
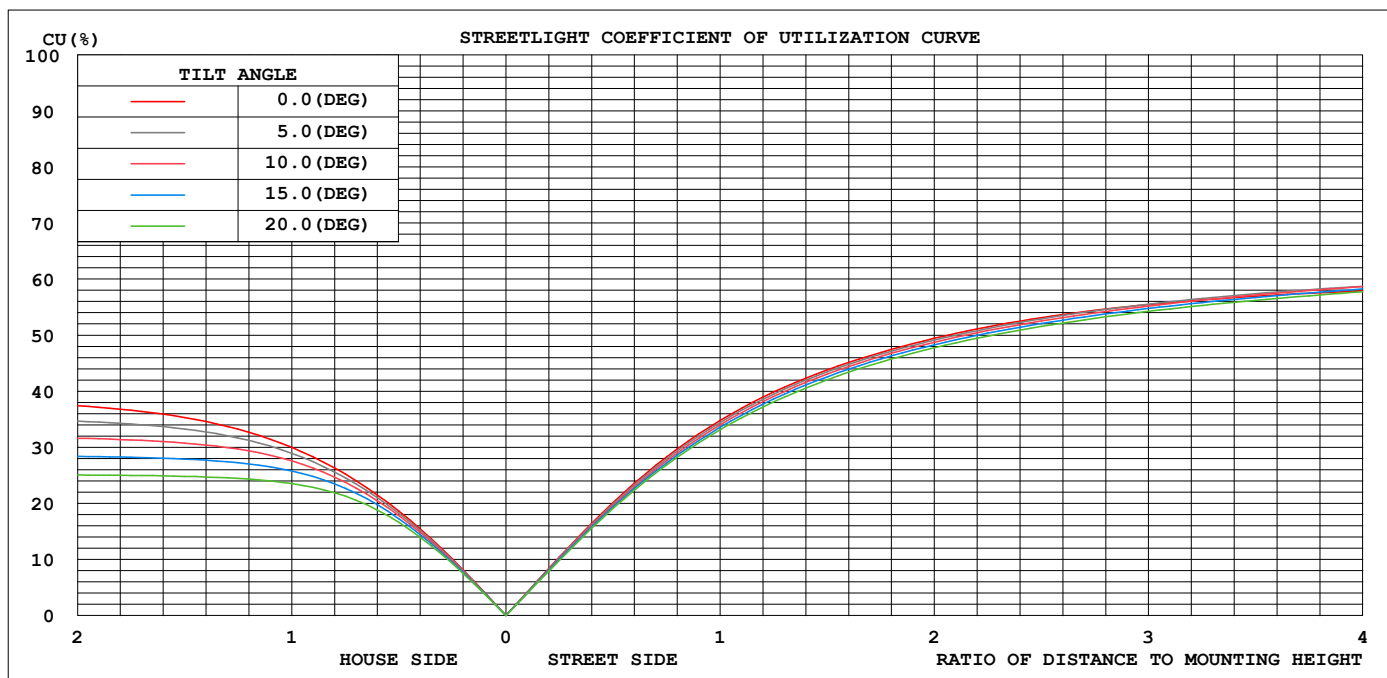
## Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:225.6cd/klm  
Max.At90:0cd/klm  
Max.80-90:225.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10311
90%	9279
80%	8248
70%	7217
60%	6186
50%	5155
40%	4124
30%	3093
20%	2062
10%	1031
5%	516

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
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: 24.8 °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:

### ZONAL FLUX DIAGRAM

Test:U:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

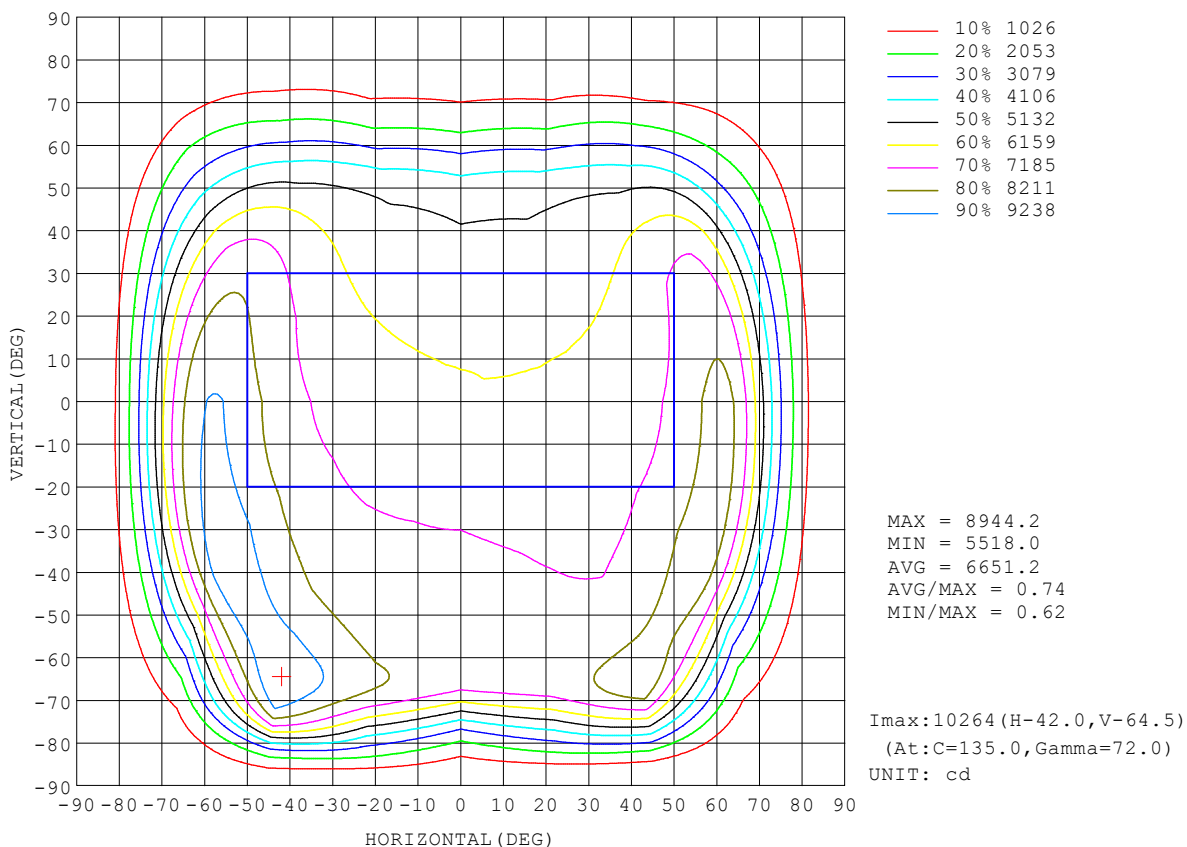
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	627.8	641.1	652.2	653.1	643.6	623.0	609.1	612.5	0- 10	603.3	603.3	1.89,1.89
20	631.6	655.3	680.6	681.3	662.5	615.0	581.5	597.6	10- 20	1802	2405	7.54,7.53
30	643.2	671.8	717.1	712.4	692.2	609.6	551.2	584.3	20- 30	2977	5382	16.9,16.8
40	673.9	689.2	751.8	745.3	753.8	615.9	518.7	576.9	30- 40	4128	9510	29.8,29.8
50	742.0	714.6	770.8	795.2	864.5	617.3	451.3	573.0	40- 50	5273	14783	46.4,46.3
60	852.9	762.1	773.1	884.2	920.4	517.8	263.5	489.9	50- 60	6254	21038	66,65.8
70	562.9	904.5	631.7	1021	593.2	262.9	103.2	244.9	60- 70	6212	27250	85.5,85.3
80	142.9	520.7	190.8	720.9	123.8	64.82	35.43	46.46	70- 80	3821	31071	97.5,97.2
90	0	0	0	0	0	0	0	0	80- 90	806.7	31878	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	31878	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	31878	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	31878	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	31878	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	31878	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	31878	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	31878	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	31878	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	31878	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
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

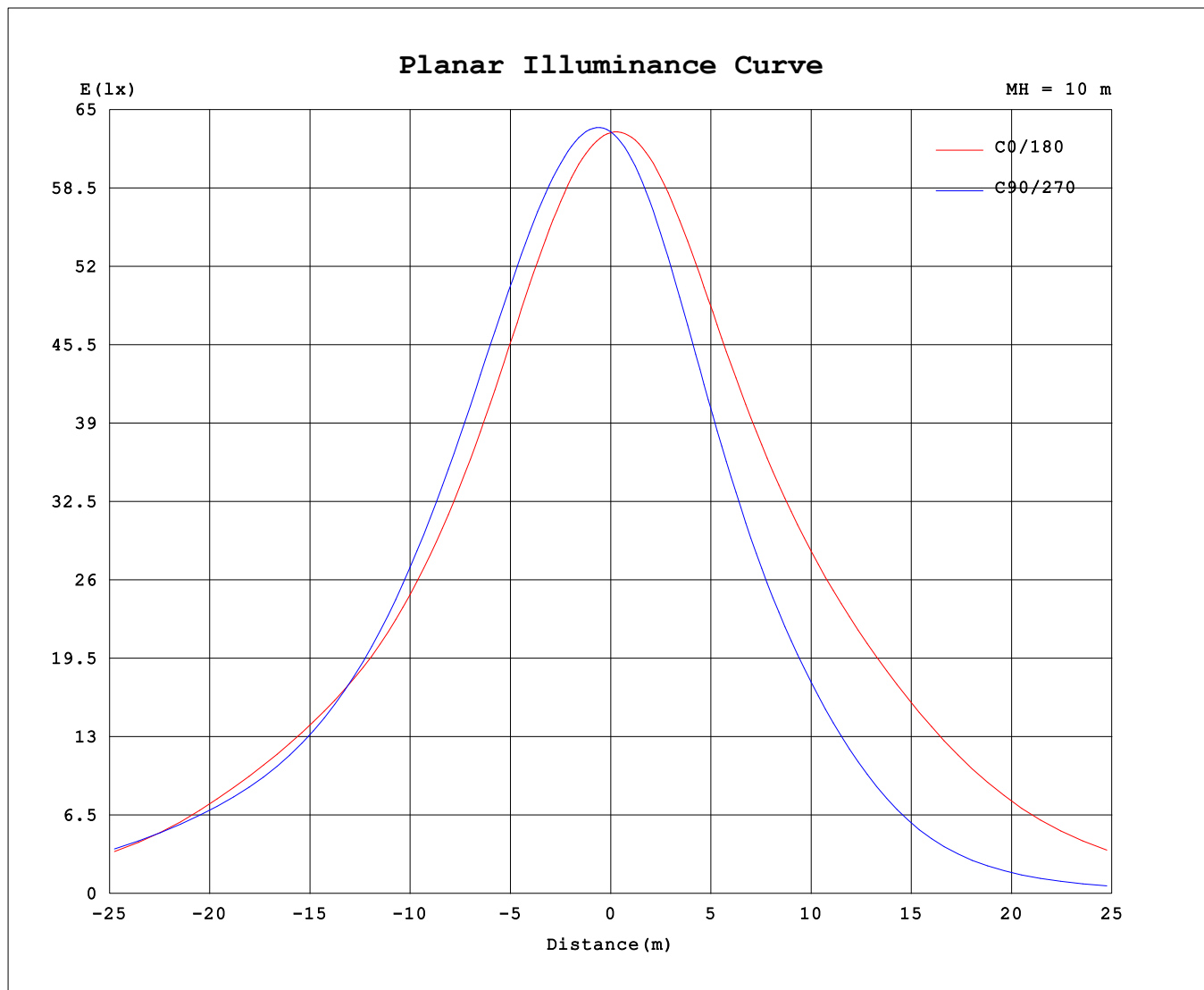
Test:U:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
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



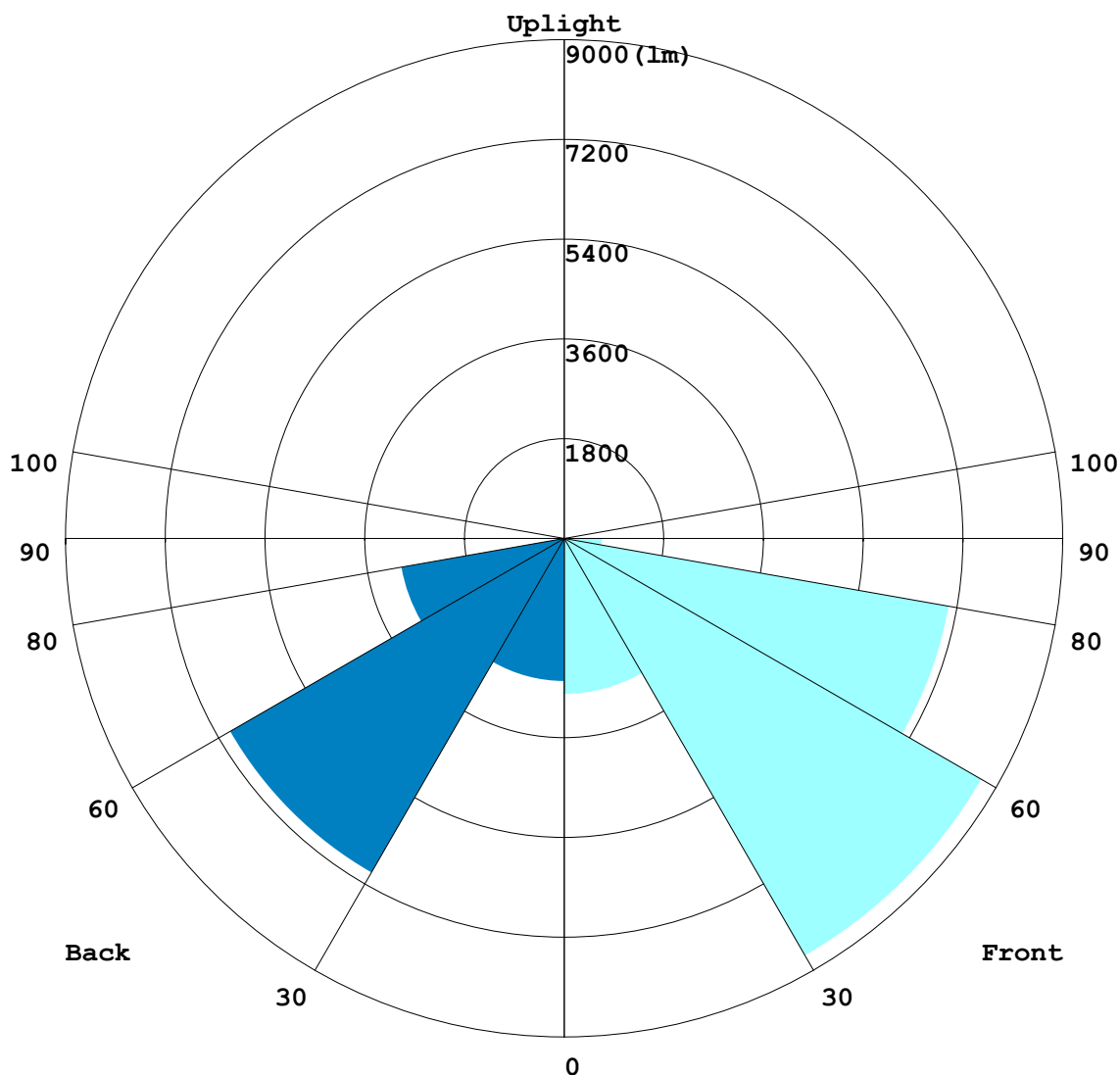
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.8℃  
 Operators:DAMIN  
 Test Date:2024-12-22

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:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 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: 24.8℃  
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:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 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)	2805	8.8
FM - Front-Medium(30-60)	8692.8	27.3
FH - Front-High(60-80)	7049	22.1
FVH - Front-Very High(80-90)	683.32	2.1
Total Forward Light	19230	60.3

BL - Back-Low(0-30)	2577.1	8.1
BM - Back-Medium(30-60)	6962.7	21.8
BH - Back-High(60-80)	2984.3	9.4
BVH - Back-Very High(80-90)	123.39	0.4
Total Back Light	12648	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	12648	0	12648
Street Side	19230	0	19230

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

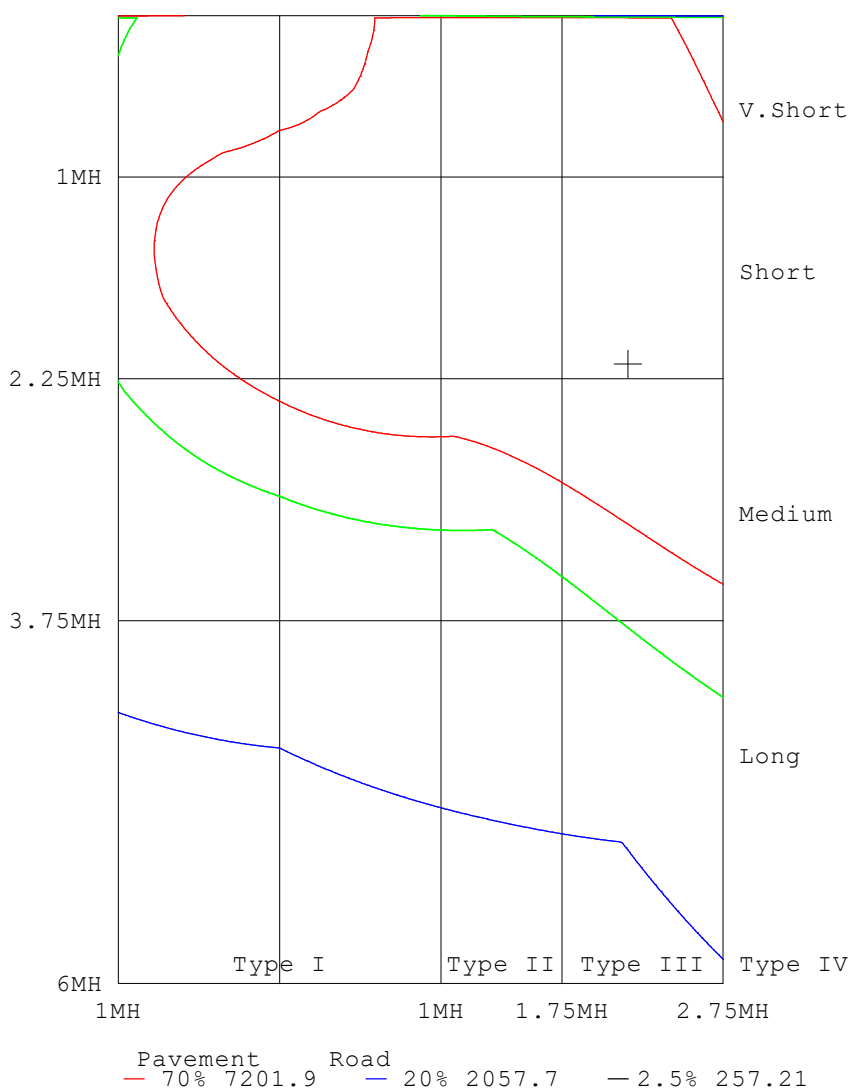
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 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: 24.8℃  
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:118.82V I:1.9422A P:230.72W PF:0.9998 Freq:60.01Hz Lamp Flux:31949.7x1 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	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631	631			
5	628	632	636	639	641	642	642	639	636	632	627	623	620	620	621	625			
10	628	635	641	647	652	654	653	650	644	634	623	614	609	608	613	621			
15	629	639	647	657	665	668	666	662	653	637	619	604	596	596	605	619			
20	632	645	655	669	681	683	681	676	663	642	615	593	581	583	598	617			
25	636	652	664	683	698	700	696	691	676	649	612	582	566	570	590	618			
30	643	661	672	698	717	717	712	708	692	660	610	570	551	557	584	621			
35	655	674	680	712	735	733	729	731	718	677	612	559	536	543	578	628			
40	674	691	689	724	752	748	745	761	754	703	616	548	519	529	577	642			
45	702	715	700	734	765	760	768	803	803	737	620	532	495	512	576	664			
50	742	748	715	742	771	773	795	858	864	777	617	502	451	483	573	693			
55	803	797	733	747	771	785	832	922	920	799	591	438	370	425	551	727			
60	853	855	762	756	773	802	884	974	920	762	518	333	263	326	490	728			
65	791	867	822	772	765	832	954	959	810	638	400	218	168	215	381	625			
70	563	667	905	733	632	805	1021	751	593	450	263	130	103	128	245	398			
75	312	365	837	547	389	623	995	443	325	269	148	75.2	62.7	71.9	121	215			
80	143	163	521	322	191	375	721	198	124	110	64.8	39.9	35.4	37.2	46.5	90.1			
85	34.2	41.2	157	112	62.6	156	223	56.9	33.8	21.5	16.2	12.9	12.6	11.4	8.51	12.8			
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: 24.8℃  
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: