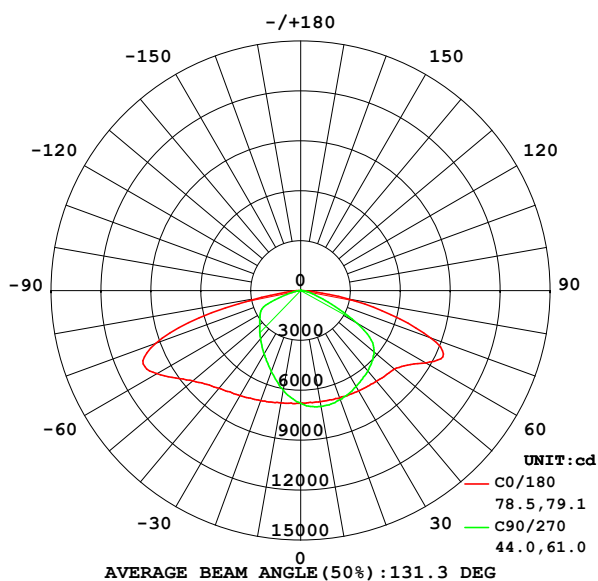
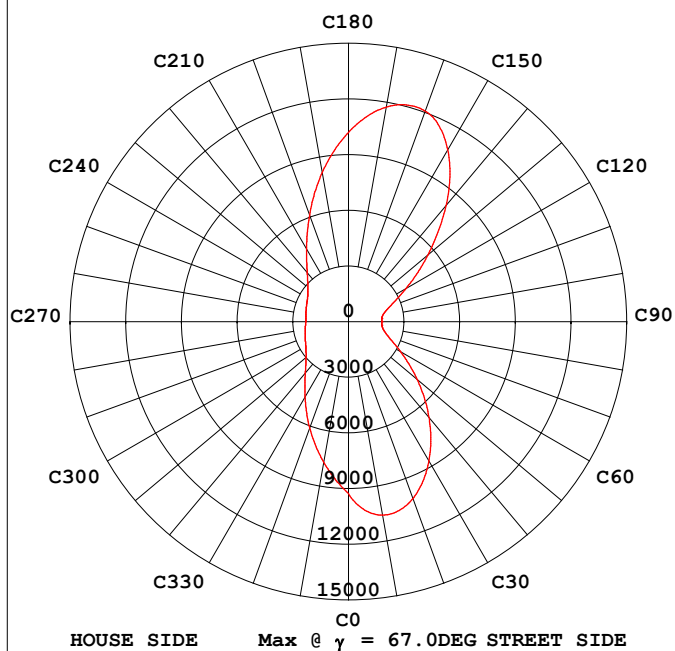


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.78 lm/W			
MODEL	AL-240WS-3CS-T3	Imax(cd)	11926	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	99.8	$\eta$ street_down(%)	58.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	28487	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	28551.8	MAXIMUM @ (C, $\gamma$ )	158,67.0	$\eta$ house_down(%)	41.4
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	$\eta$ down(%)	99.8	SLI	25.143

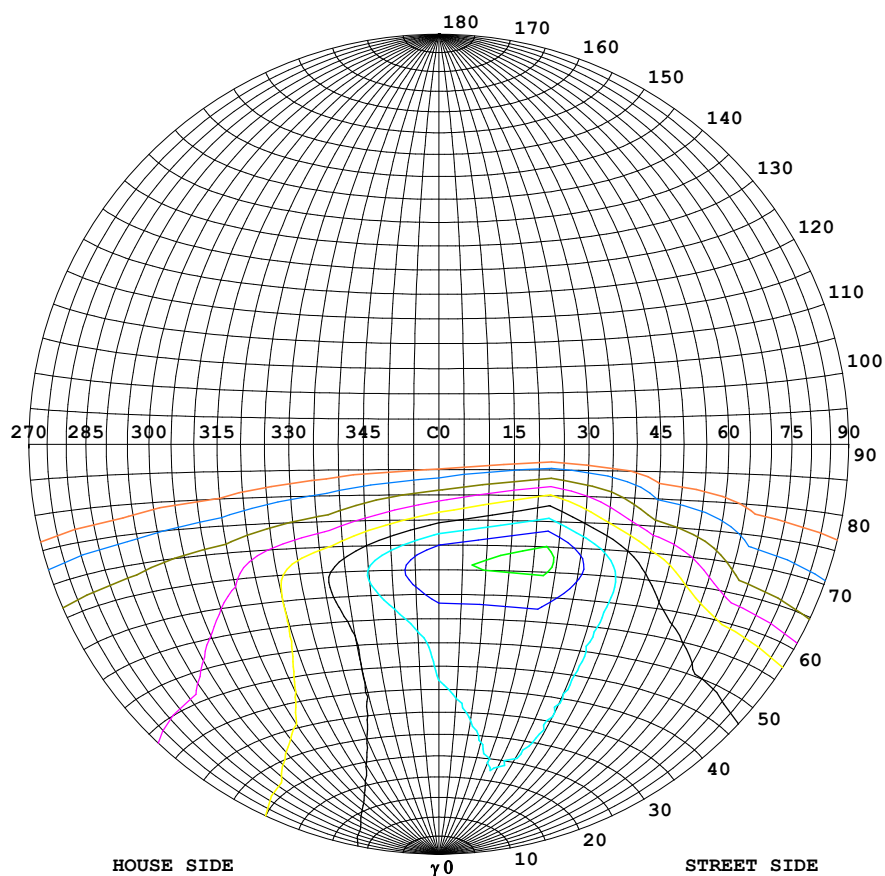
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9°C  
Operators:DAMIN  
Test Date:2024-12-24

$\gamma$  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:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



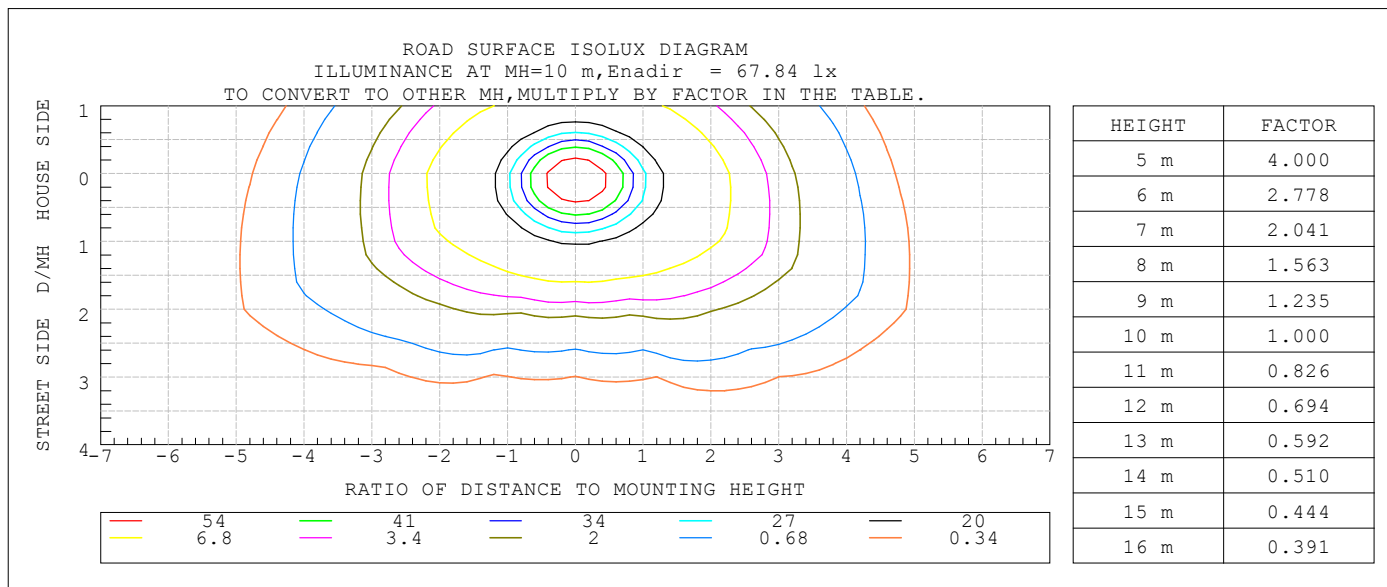
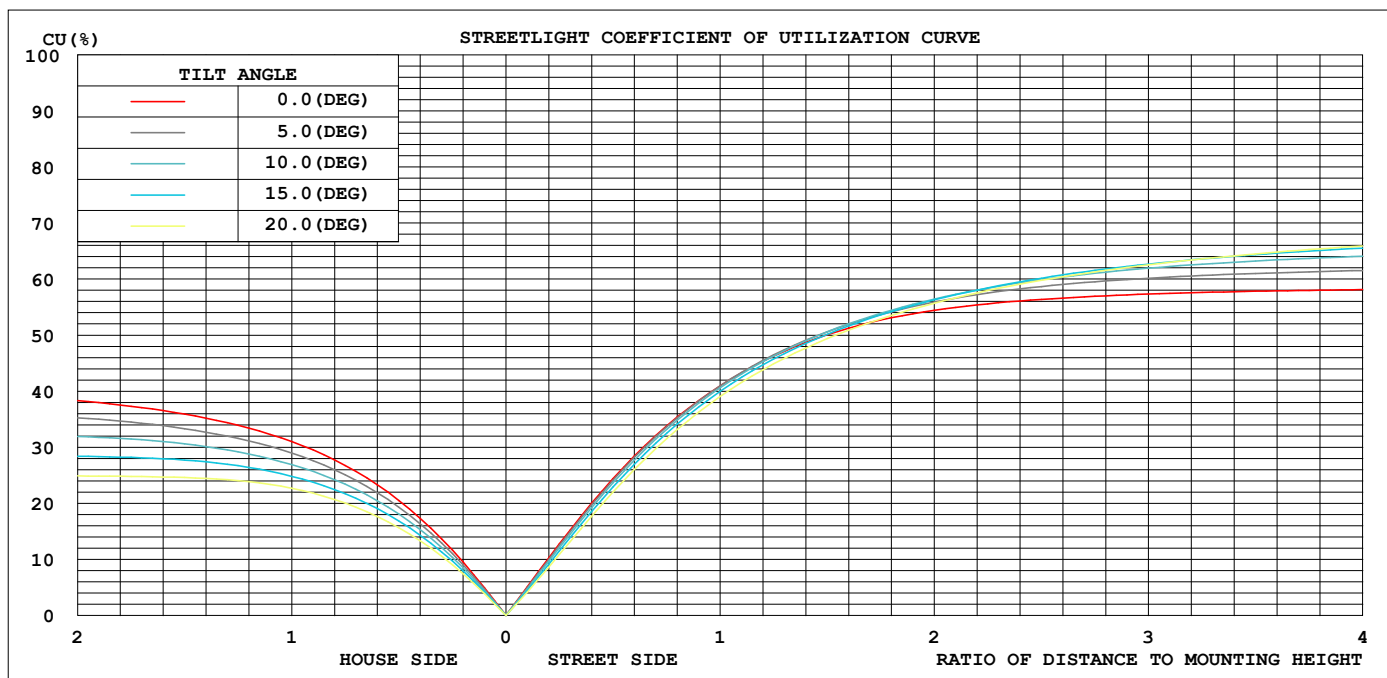
## Classification:

IES:Type III - Short  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:169.8cd/klm  
Max.At90:0cd/klm  
Max.80-90:169.8cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		11926
90%		10733
80%		9540
70%		8348
60%		7155
50%		5963
40%		4770
30%		3578
20%		2385
10%		1193
5%		596

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9°C  
Operators:DAMIN  
Test Date:2024-12-24

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: MEDIUM  
Temperature: 24.9°C  
Operators:DAMIN  
Test Date:2024-12-24

$\gamma$  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:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

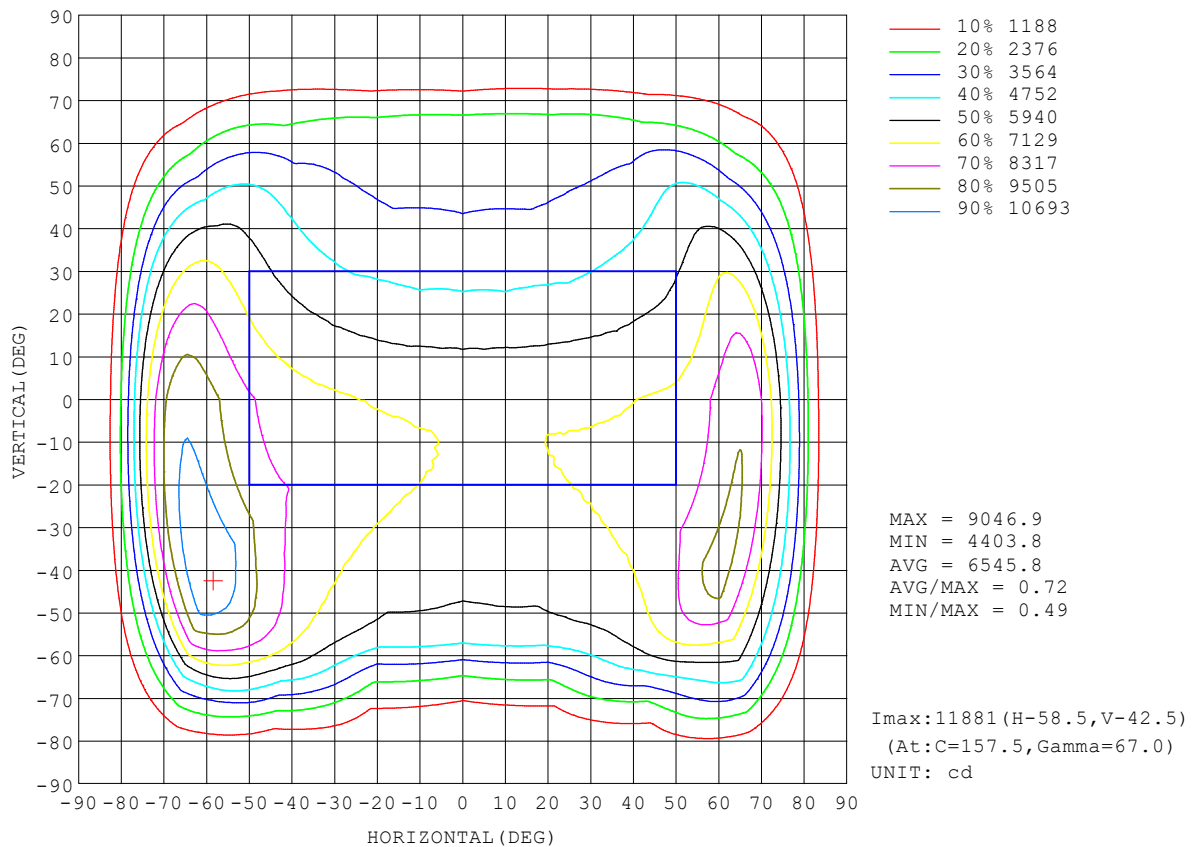
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	678.5	701.4	708.0	713.0	686.6	635.7	607.8	634.6	0- 10	643.9	643.9	2.26,2.26
20	686.4	705.5	697.5	729.9	704.4	576.3	517.7	573.7	10- 20	1868	2512	8.82,8.8
30	696.5	701.2	667.3	737.3	729.4	515.1	440.7	508.7	20- 30	2943	5455	19.1,19.1
40	711.0	691.7	630.2	736.5	767.8	470.4	376.9	456.9	30- 40	3855	9310	32.7,32.6
50	735.7	679.7	576.5	742.2	844.5	428.2	323.5	415.6	40- 50	4633	13942	48.9,48.8
60	870.2	649.2	388.8	750.2	999.4	388.2	281.6	375.6	50- 60	5312	19254	67.6,67.4
70	832.3	495.4	126.7	586.9	928.4	258.7	167.8	276.6	60- 70	5461	24716	86.8,86.6
80	289.2	114.2	37.74	146.5	240.0	68.07	33.98	60.61	70- 80	3237	27953	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	534.1	28487	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28487	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28487	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28487	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28487	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28487	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28487	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28487	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28487	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28487	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9℃  
Operators:DAMIN  
Test Date:2024-12-24

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

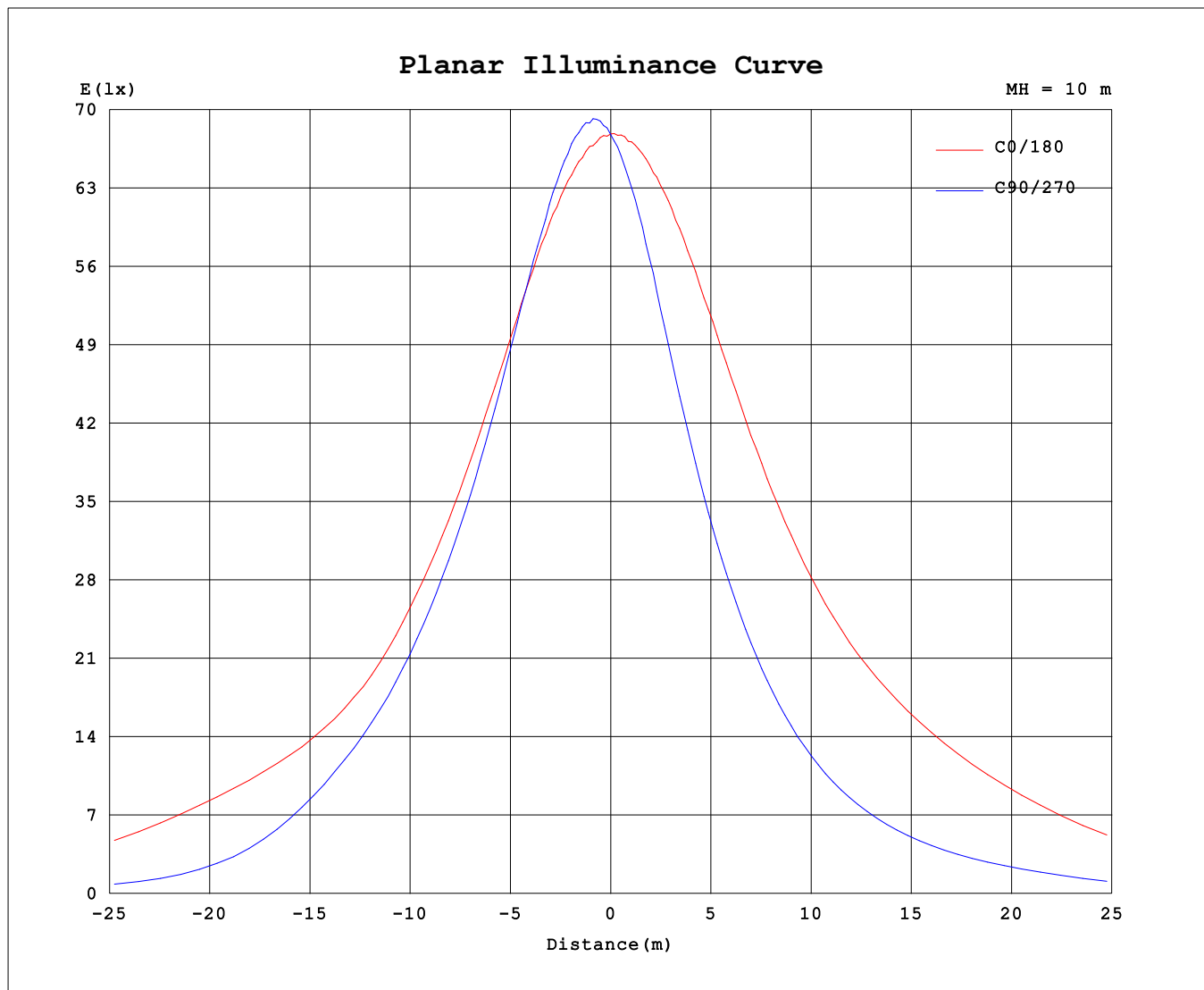
Test:U:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9°C  
Operators: DAMIN  
Test Date: 2024-12-24

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



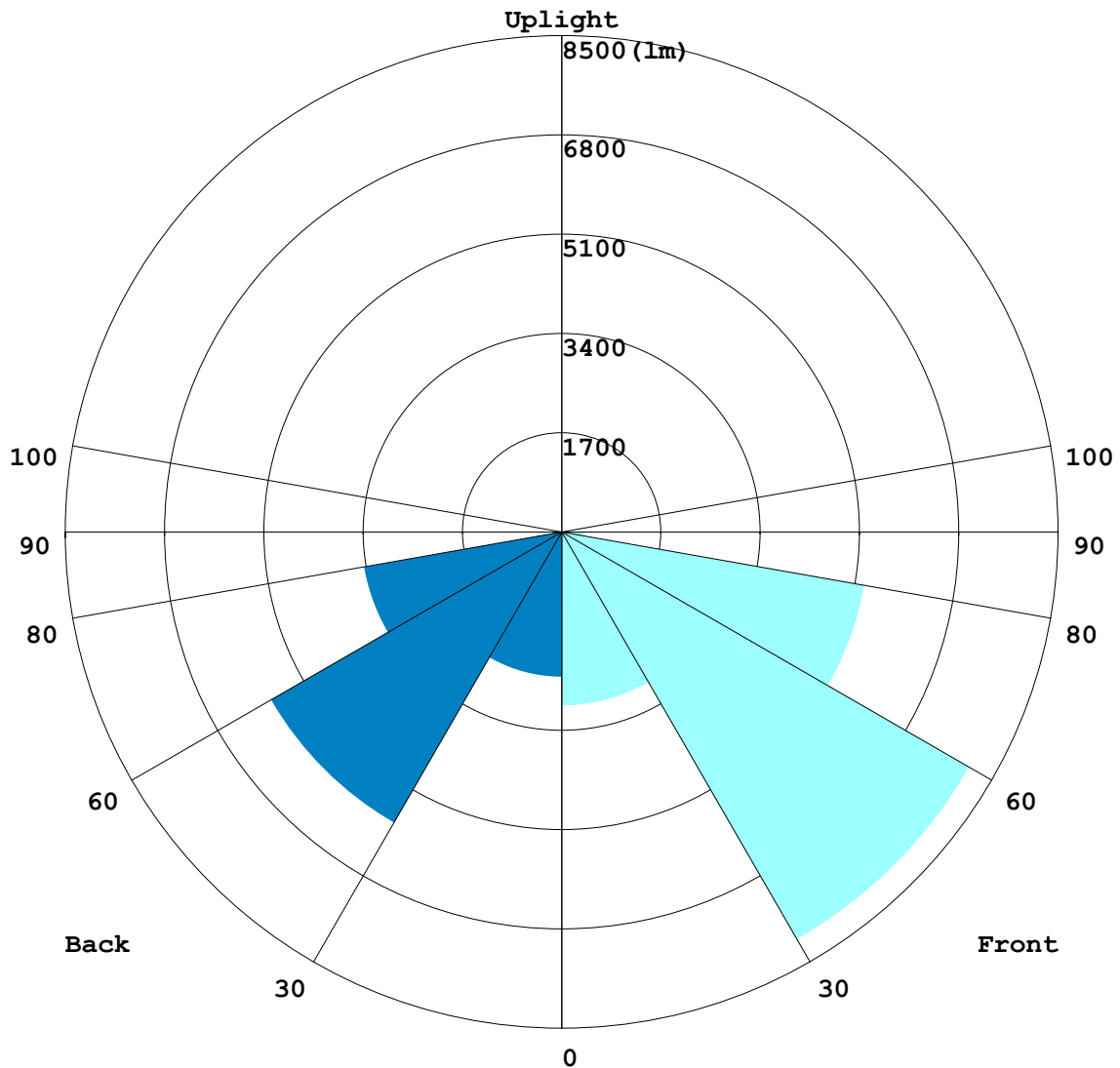
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9°C  
Operators:DAMIN  
Test Date:2024-12-24

$\gamma$  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:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 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: MEDIUM  
Temperature: 24.9℃  
Operators:DAMIN  
Test Date:2024-12-24

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:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 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)	2972	10.4
FM - Front-Medium(30-60)	8055.1	28.3
FH - Front-High(60-80)	5260.3	18.5
FVH - Front-Very High(80-90)	378.36	1.3
Total Forward Light	16666	58.5

BL - Back-Low(0-30)	2482.9	8.7
BM - Back-Medium(30-60)	5744.3	20.2
BH - Back-High(60-80)	3438.3	12.1
BVH - Back-Very High(80-90)	155.76	0.5
Total Back Light	11821	41.5

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11821	0	11821
Street Side	16666	0	16666

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.9℃  
Operators:DAMIN  
Test Date:2024-12-24

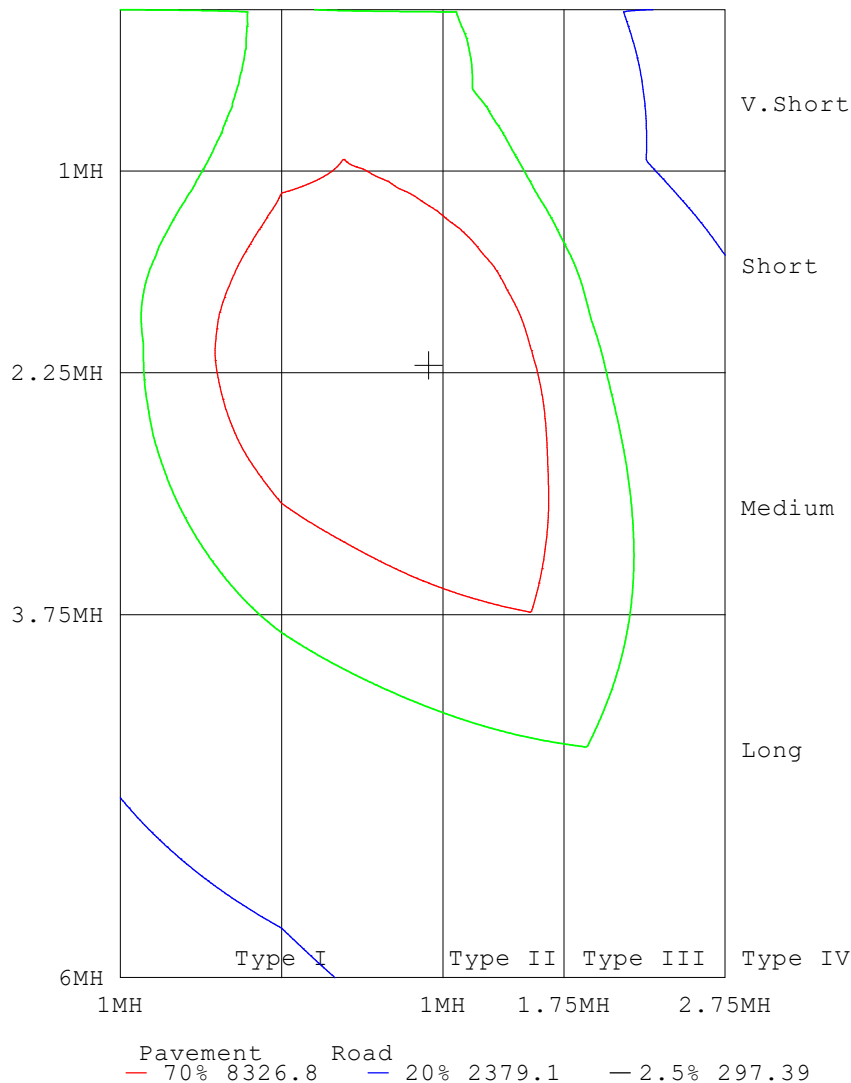
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 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: MEDIUM  
 Temperature: 24.9°C  
 Operators:DAMIN  
 Test Date:2024-12-24

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:118.92V I:1.6664A P:198.12W PF:0.9998 Freq:60.01Hz Lamp Flux:28551.8x1 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	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678			
5	675	684	690	694	700	700	698	694	679	670	660	650	648	651	660	669			
10	679	694	701	703	708	711	713	705	687	662	636	616	608	614	635	659			
15	680	702	703	700	706	712	723	721	695	652	608	574	563	574	606	648			
20	686	711	705	696	697	710	730	735	704	643	576	530	518	530	574	636			
25	690	716	702	686	685	702	735	752	715	634	545	493	477	491	540	622			
30	697	726	701	672	667	688	737	765	729	625	515	456	441	453	509	609			
35	703	733	696	656	648	673	737	782	744	617	492	425	408	424	482	595			
40	711	745	692	640	630	656	736	804	768	616	470	395	377	393	457	587			
45	722	756	686	621	606	637	738	835	799	619	448	367	349	366	436	582			
50	736	772	680	598	576	611	742	879	845	628	428	339	323	340	416	579			
55	784	805	668	556	519	568	748	956	916	641	411	316	302	317	395	586			
60	870	871	649	465	389	475	750	1065	999	645	388	293	282	295	376	607			
65	943	965	612	303	229	319	719	1174	1046	610	342	264	255	269	348	606			
70	832	953	495	174	127	186	587	1159	928	482	259	194	168	208	277	482			
75	561	741	281	92.9	71.2	99.7	357	922	632	289	159	91.8	73.4	97.8	151	288			
80	289	485	114	47.7	37.7	49.9	146	463	240	113	68.1	38.6	34.0	40.7	60.6	131			
85	63.2	139	28.6	16.7	14.7	19.0	29.7	110	48.3	24.4	13.8	11.1	10.2	11.1	13.3	30.7			
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: MEDIUM  
Temperature: 24.9℃  
Operators:DAMIN  
Test Date:2024-12-24

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: