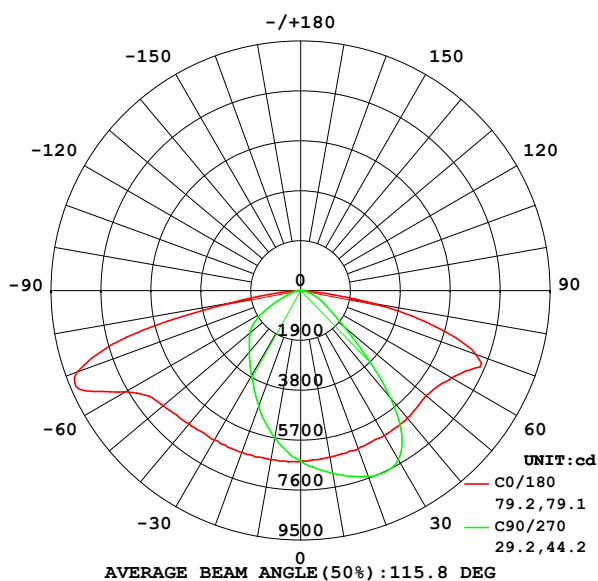
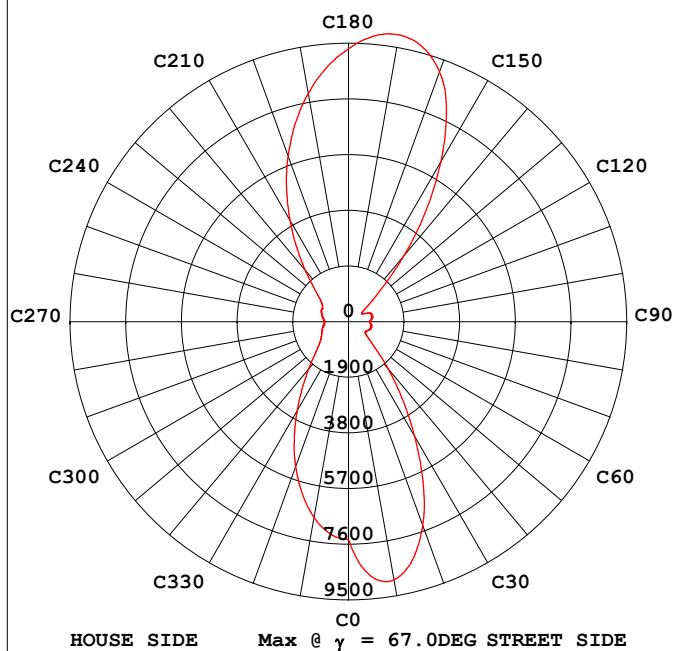


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.76 lm/W			
MODEL	AL-240WS-3CS-T2	I <sub>max</sub> (cd)	9307	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	56.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22524	η house_up (%)	0.0
NOMINAL FLUX (lm)	22575.5	MAXIMUM @ (C, γ )	180, 67.0	η house_down (%)	43.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.258

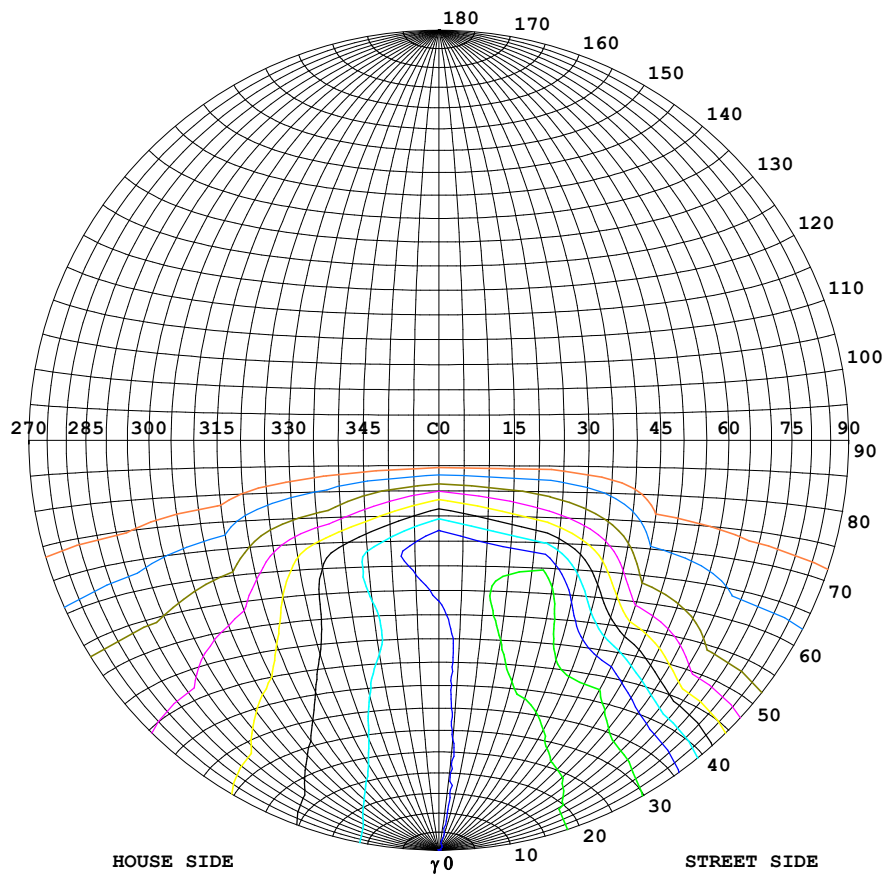
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.6 °C  
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:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



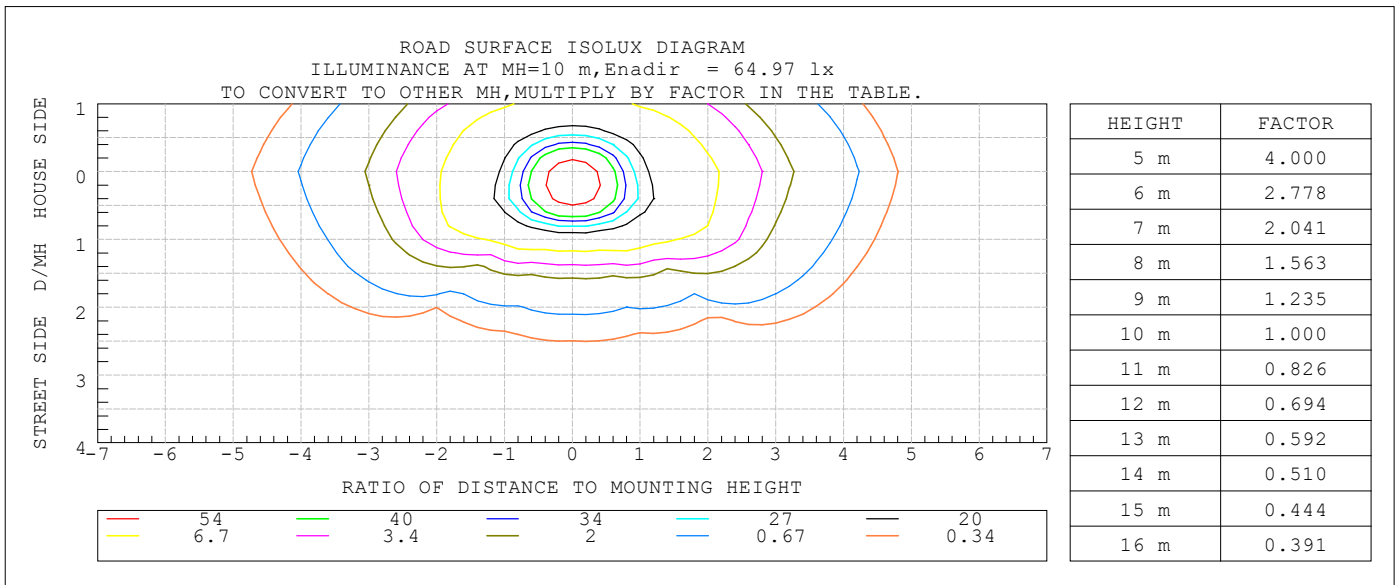
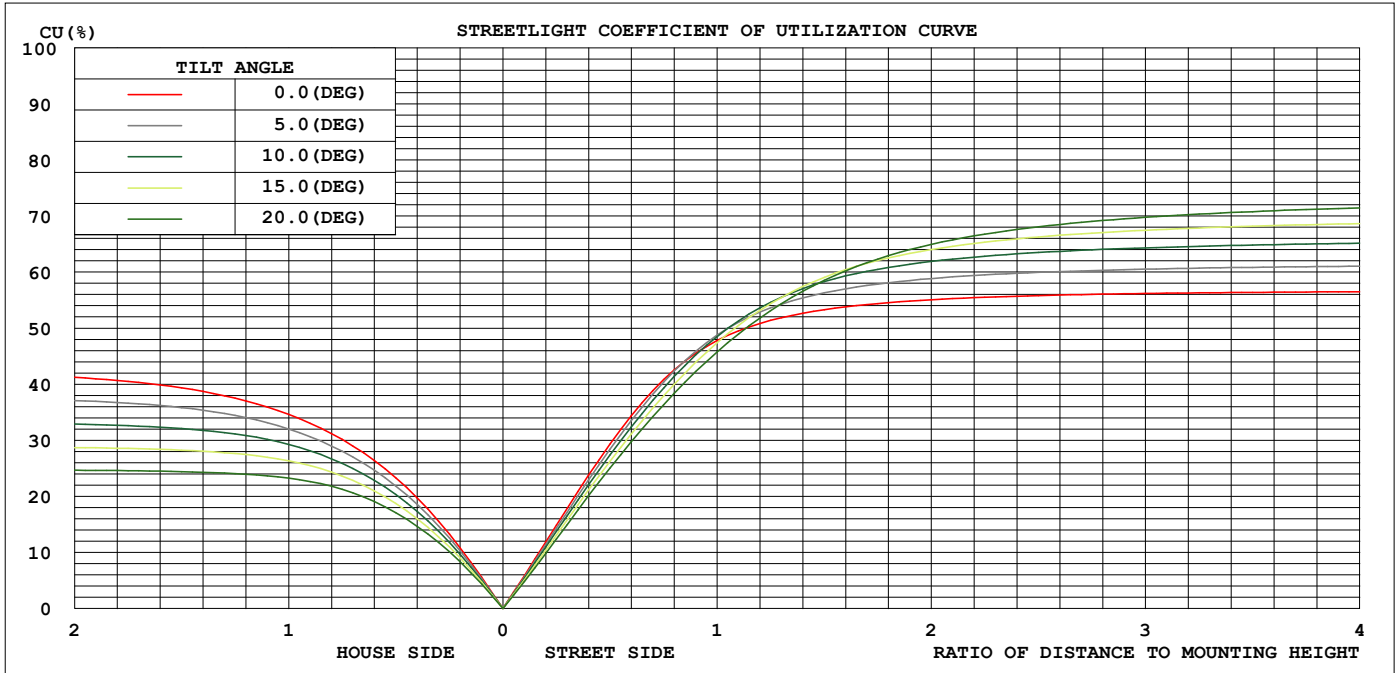
## Classification:

IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:121.6cd/klm  
Max.At90:0cd/klm  
Max.80-90:121.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9307
90%	8377
80%	7446
70%	6515
60%	5584
50%	4654
40%	3723
30%	2792
20%	1861
10%	931
5%	465

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.6°C  
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: MEDIUM  
Temperature: 25.6°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:

### ZONAL FLUX DIAGRAM

Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

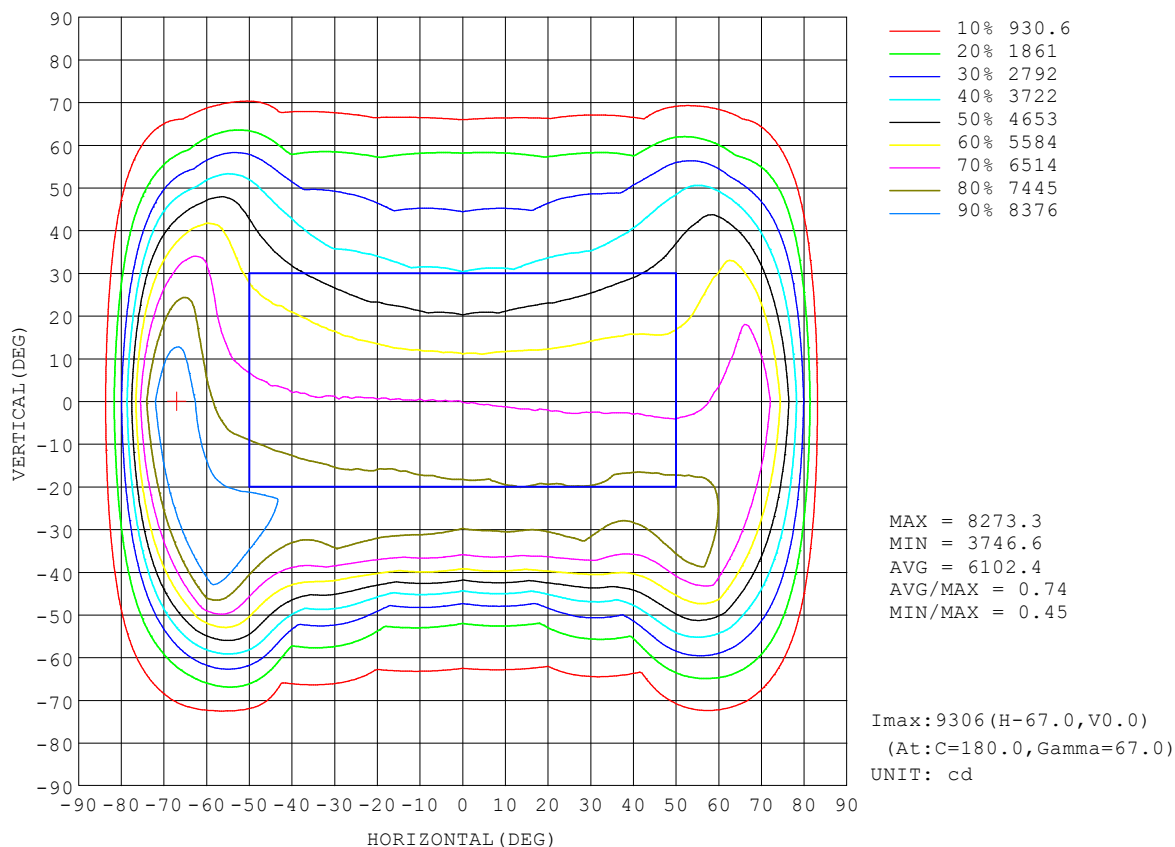
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6440	6861	7066	6895	6551	5991	5698	5952	0- 10	616.9	616.9	2.74,2.73
20	6411	7188	7527	7350	6551	5345	4684	5344	10- 20	1805	2422	10.8,10.7
30	6369	7600	7439	7780	6581	4740	3751	4715	20- 30	2878	5300	23.5,23.5
40	6324	7628	5318	7859	6611	4092	3049	4038	30- 40	3716	9015	40,39.9
50	6229	5684	2210	6176	6831	3416	2532	3369	40- 50	3980	12995	57.7,57.6
60	6647	2611	1079	3108	7707	2669	1630	2607	50- 60	3812	16808	74.6,74.5
70	7086	975.7	543.4	1190	9038	1320	621.6	1232	60- 70	3466	20274	90,89.8
80	2729	263.6	214.5	329.1	2746	398.2	244.4	325.1	70- 80	1962	22235	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	288.3	22524	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	22524	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	22524	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	22524	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	22524	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	22524	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	22524	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	22524	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	22524	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	22524	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.6℃  
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

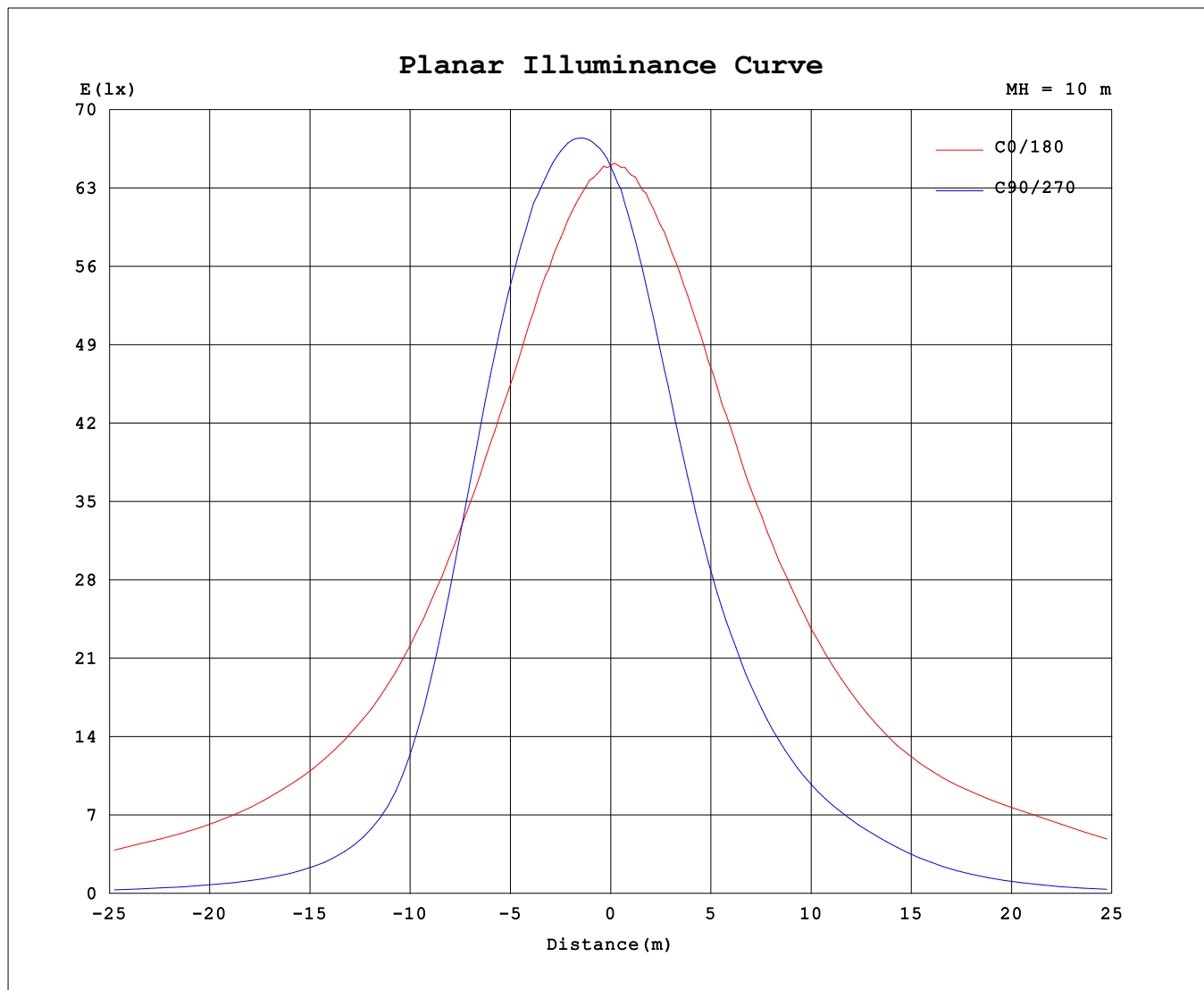
Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.6°C  
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



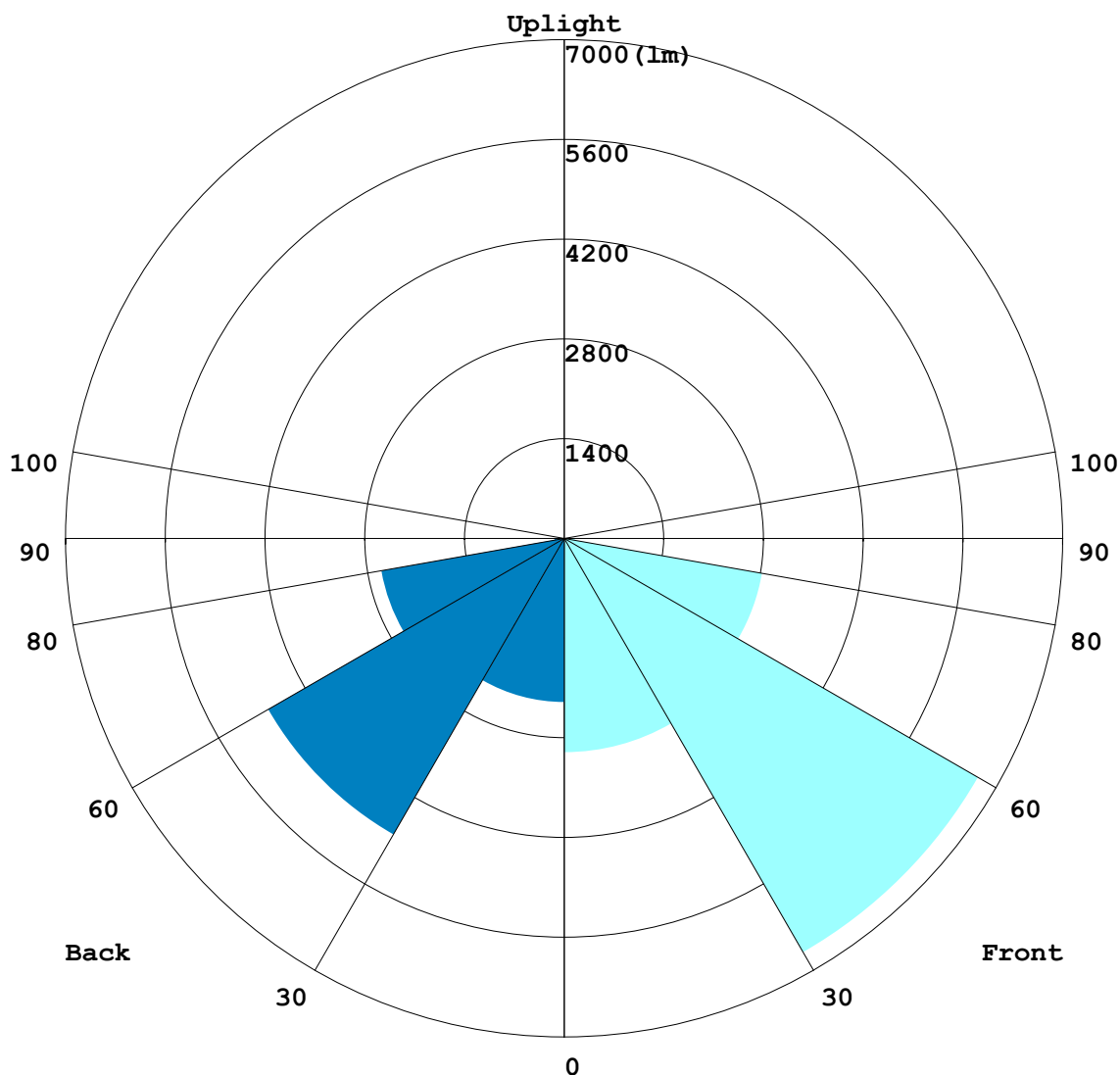
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.6°C  
 Operators: DAMIN  
 Test Date: 2024-12-25

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:

**LCS REPORT**

Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 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: 25.6℃  
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:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 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)	3002.1	13.3
FM - Front-Medium(30-60)	6707.6	29.8
FH - Front-High(60-80)	2822.9	12.5
FVH - Front-Very High(80-90)	152.11	0.7
Total Forward Light	12685	56.3

BL - Back-Low(0-30)	2297.5	10.2
BM - Back-Medium(30-60)	4800.3	21.3
BH - Back-High(60-80)	2604.8	11.6
BVH - Back-Very High(80-90)	136.2	0.6
Total Back Light	9838.9	43.7

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	9838.9	0	9838.9
Street Side	12685	0	12685

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.6℃  
Operators:DAMIN  
Test Date:2024-12-25

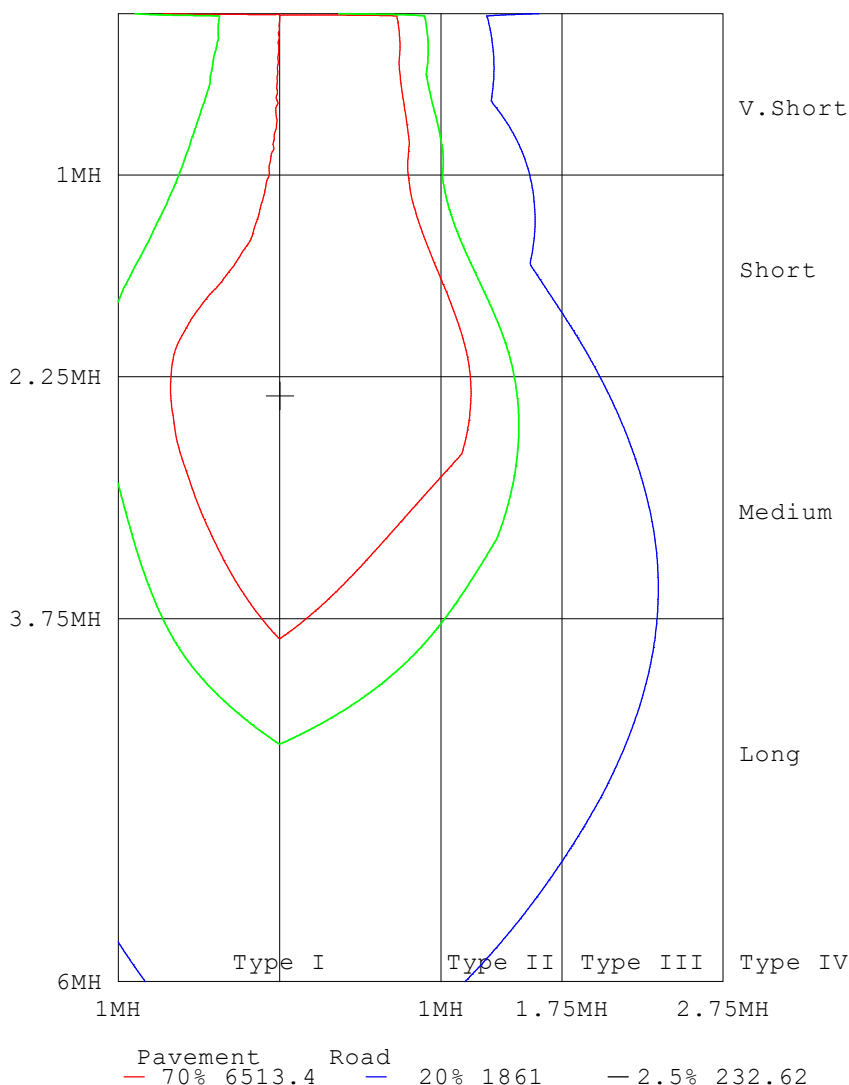
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



# ROAD ISOCANDELA REPORT

Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 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: 25.6°C  
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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.14V I:1.2546A P:149.40W PF:0.9995 Freq:60.01Hz Lamp Flux:22575.5x1 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	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498	6498			
5	6465	6593	6666	6755	6793	6771	6714	6635	6520	6384	6241	6172	6141	6163	6242	6352			
10	6440	6678	6861	7017	7066	7041	6895	6760	6551	6283	5991	5788	5698	5759	5952	6203			
15	6418	6758	7021	7243	7315	7288	7146	6879	6558	6138	5659	5353	5204	5323	5645	6047			
20	6411	6848	7188	7440	7527	7504	7350	7003	6551	6019	5345	4861	4684	4871	5344	5912			
25	6358	6955	7382	7579	7620	7682	7584	7134	6573	5948	5040	4407	4189	4399	5040	5779			
30	6369	7097	7600	7589	7439	7679	7780	7282	6581	5855	4740	3981	3751	3961	4715	5672			
35	6362	7276	7724	7159	6718	7256	7945	7473	6572	5756	4414	3598	3383	3582	4378	5566			
40	6324	7518	7628	6068	5318	6177	7859	7759	6611	5709	4092	3235	3049	3223	4038	5458			
45	6270	7798	6981	4364	3516	4498	7291	8136	6687	5610	3743	2906	2764	2905	3702	5335			
50	6229	8052	5684	2673	2210	2815	6176	8591	6831	5538	3416	2624	2532	2633	3369	5176			
55	6365	8307	4078	1742	1489	1840	4639	8987	7023	5506	3108	2284	2195	2313	3019	5107			
60	6647	8221	2611	1204	1079	1268	3108	9166	7707	5606	2669	1755	1630	1762	2607	5125			
65	7132	7361	1624	868	810	907	1949	8962	9037	5730	2000	1193	1060	1184	1963	4997			
70	7086	5553	976	622	543	653	1190	7323	9038	4755	1320	757	622	749	1232	4165			
75	5332	3283	559	391	350	411	704	4140	6878	2664	819	467	403	451	701	2316			
80	2729	1572	264	213	214	228	329	1555	2746	993	398	265	244	246	325	1003			
85	343	347	79.3	74.6	91.4	89.6	103	410	507	258	96.0	93.7	84.6	77.3	74.6	224			
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: 25.6℃  
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: