

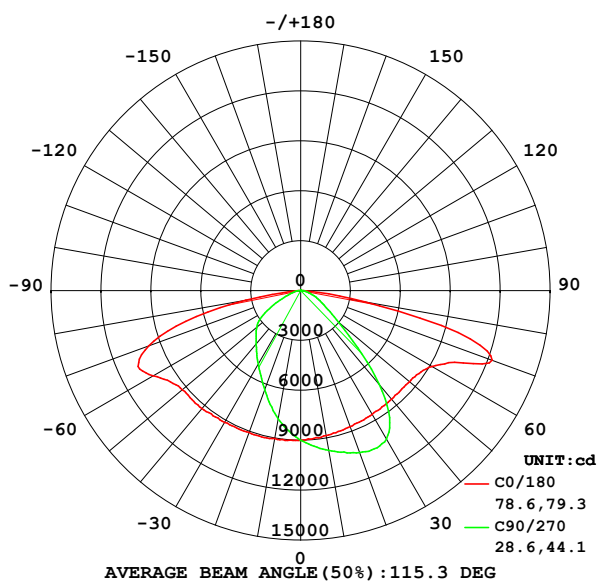
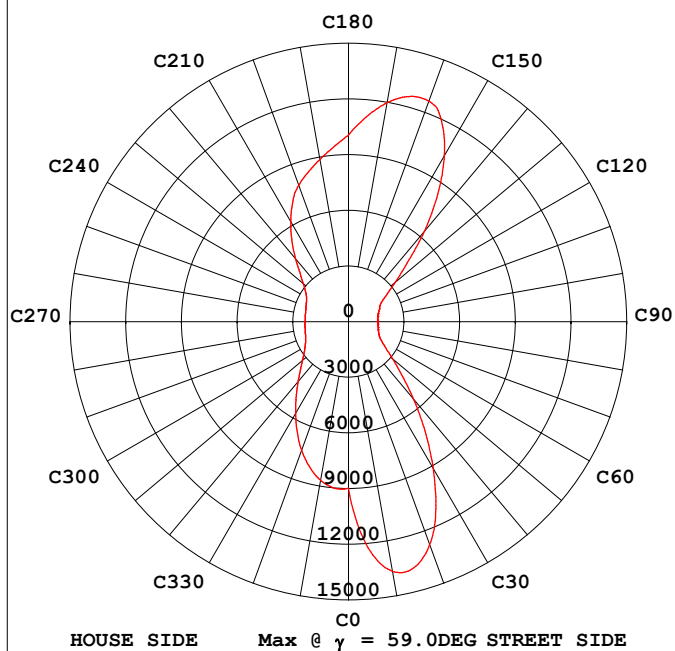
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz

Lamp Flux:30856.9x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 130.43 lm/W
MODEL	AL-300WS-3CS-T2	Imax (cd)	12470	$\eta$ street_up (%)	0.0	
NOMINAL POWER (W)	240	LOR (%)	99.8	$\eta$ street_down (%)	57.2	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30785	$\eta$ house_up (%)	0.0	
NOMINAL FLUX (lm)	30856.9	MAXIMUM @ (C, $\gamma$ )	158,59.0	$\eta$ house_down (%)	42.5	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	25.649	

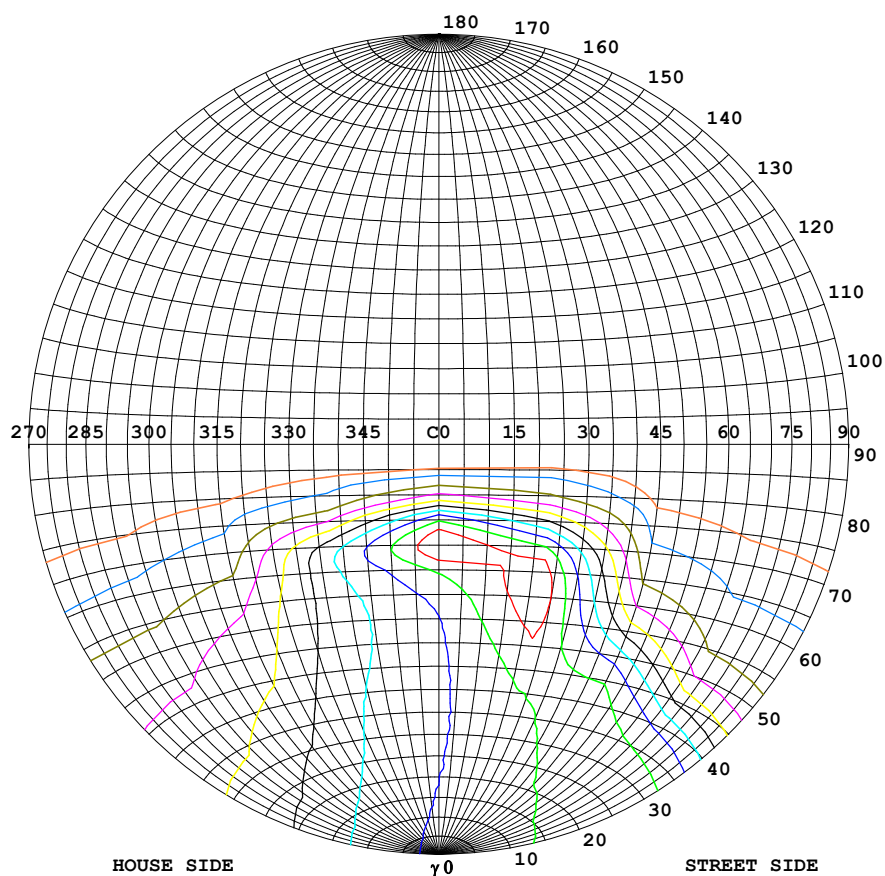
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-12-29

$\gamma$  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:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



## Classification:

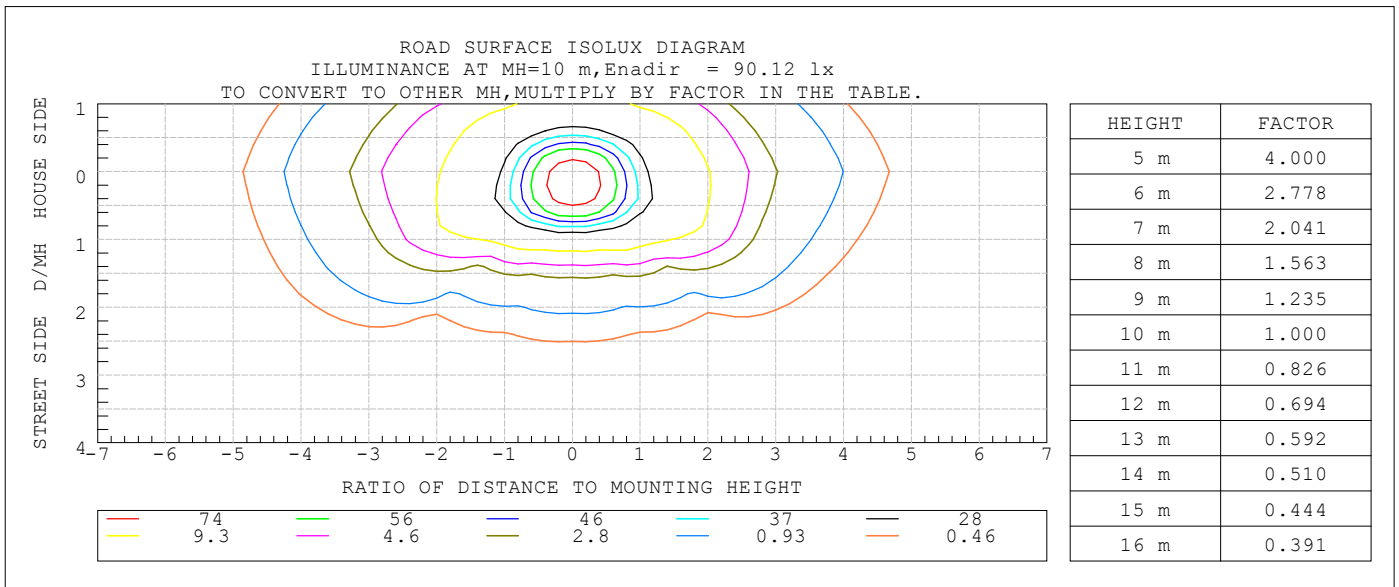
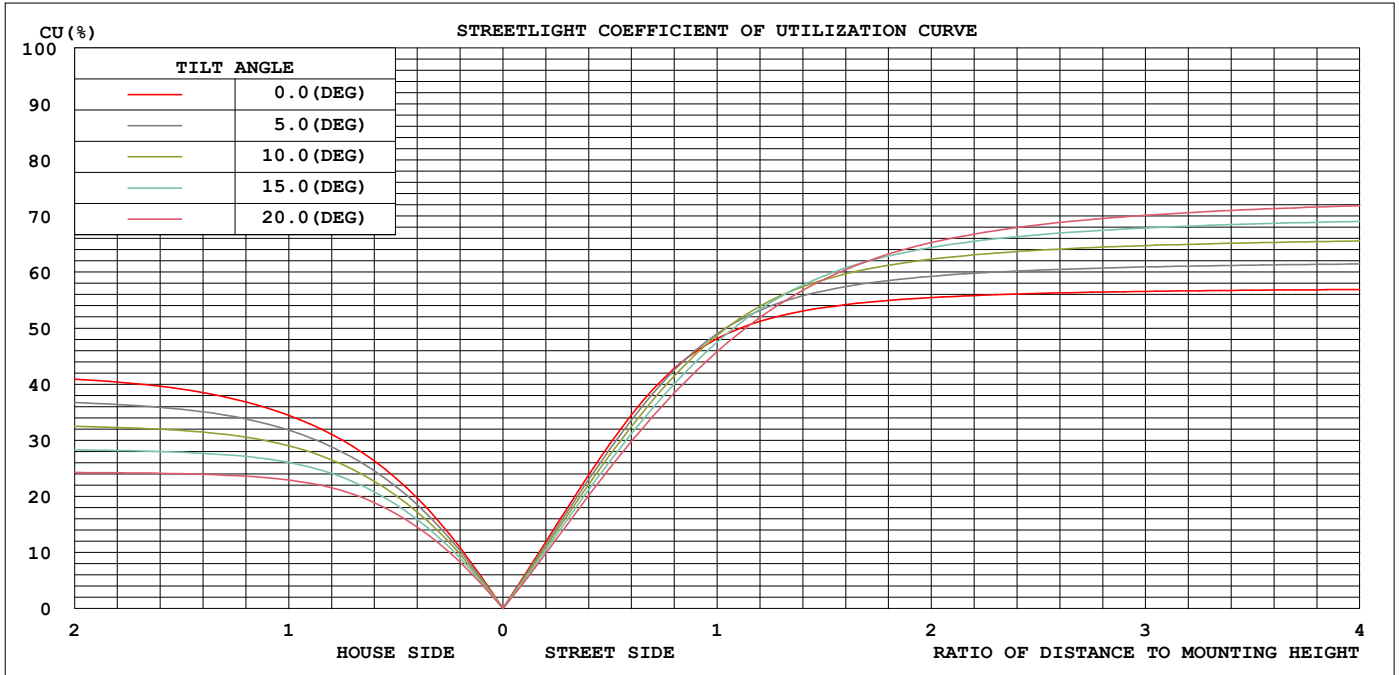
IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:126.6cd/klm  
Max.At90:0cd/klm  
Max.80-90:126.6cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		12470
90%		11223
80%		9976
70%		8729
60%		7482
50%		6235
40%		4988
30%		3741
20%		2494
10%		1247
5%		624

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-12-29

$\gamma$  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:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

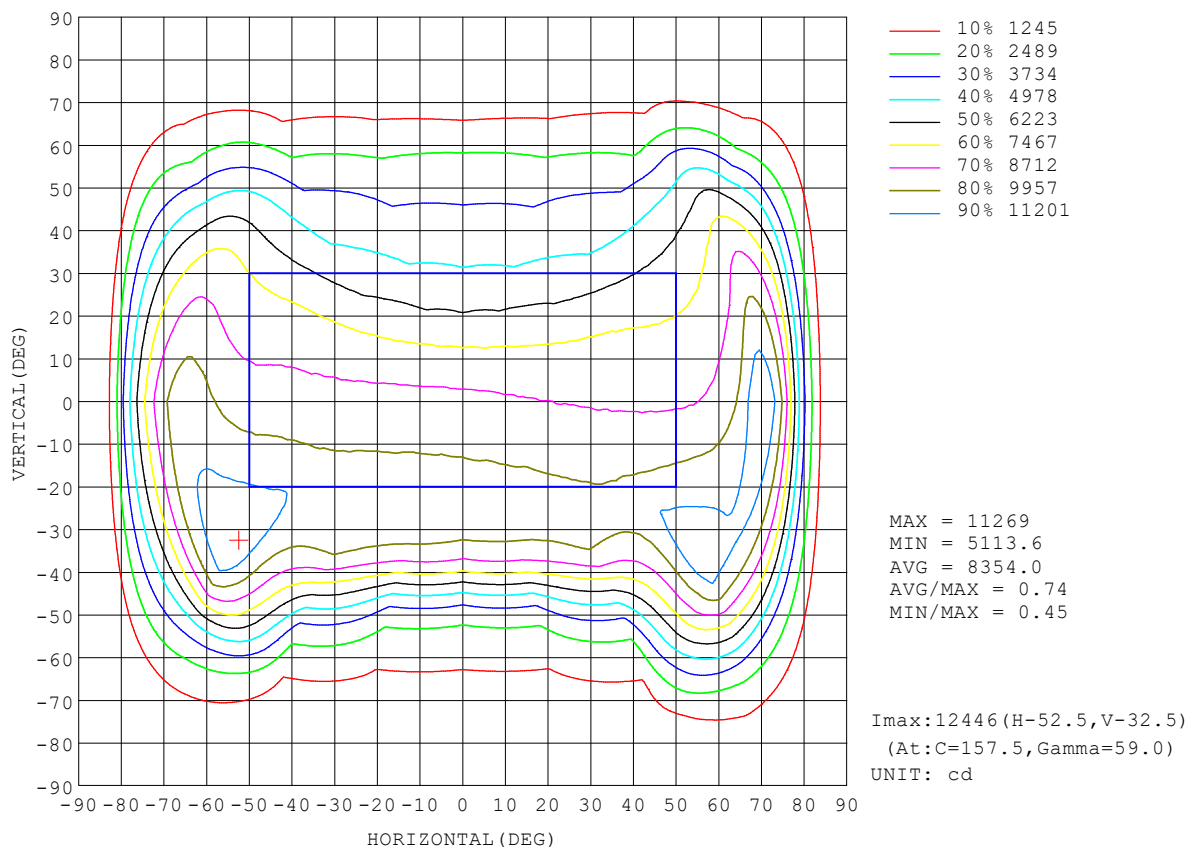
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	884.6	946.5	976.4	962.1	903.8	826.7	783.7	816.8	0- 10	852.9	852.9	2.77,2.76
20	871.5	989.3	1037	1012	907.2	739.8	634.8	728.0	10- 20	2483	3336	10.8,10.8
30	860.0	1039	1031	1079	915.1	647.9	511.5	631.9	20- 30	3945	7280	23.6,23.6
40	852.3	1056	733.7	1090	926.3	556.2	418.6	535.9	30- 40	5089	12370	40.2,40.1
50	854.8	810.0	302.9	842.0	929.4	467.5	345.4	446.6	40- 50	5452	17821	57.9,57.8
60	913.8	370.2	146.9	407.7	1026	352.8	216.5	353.2	50- 60	5216	23037	74.8,74.7
70	1225	147.9	75.16	146.2	970.5	157.8	81.69	172.9	60- 70	4698	27735	90.1,89.9
80	390.6	47.07	29.43	35.79	336.5	39.85	32.11	51.55	70- 80	2666	30401	98.8,98.5
90	0	0	0	0	0	0	0	0	80- 90	383.4	30785	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	30785	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	30785	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	30785	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	30785	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	30785	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	30785	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	30785	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	30785	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	30785	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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

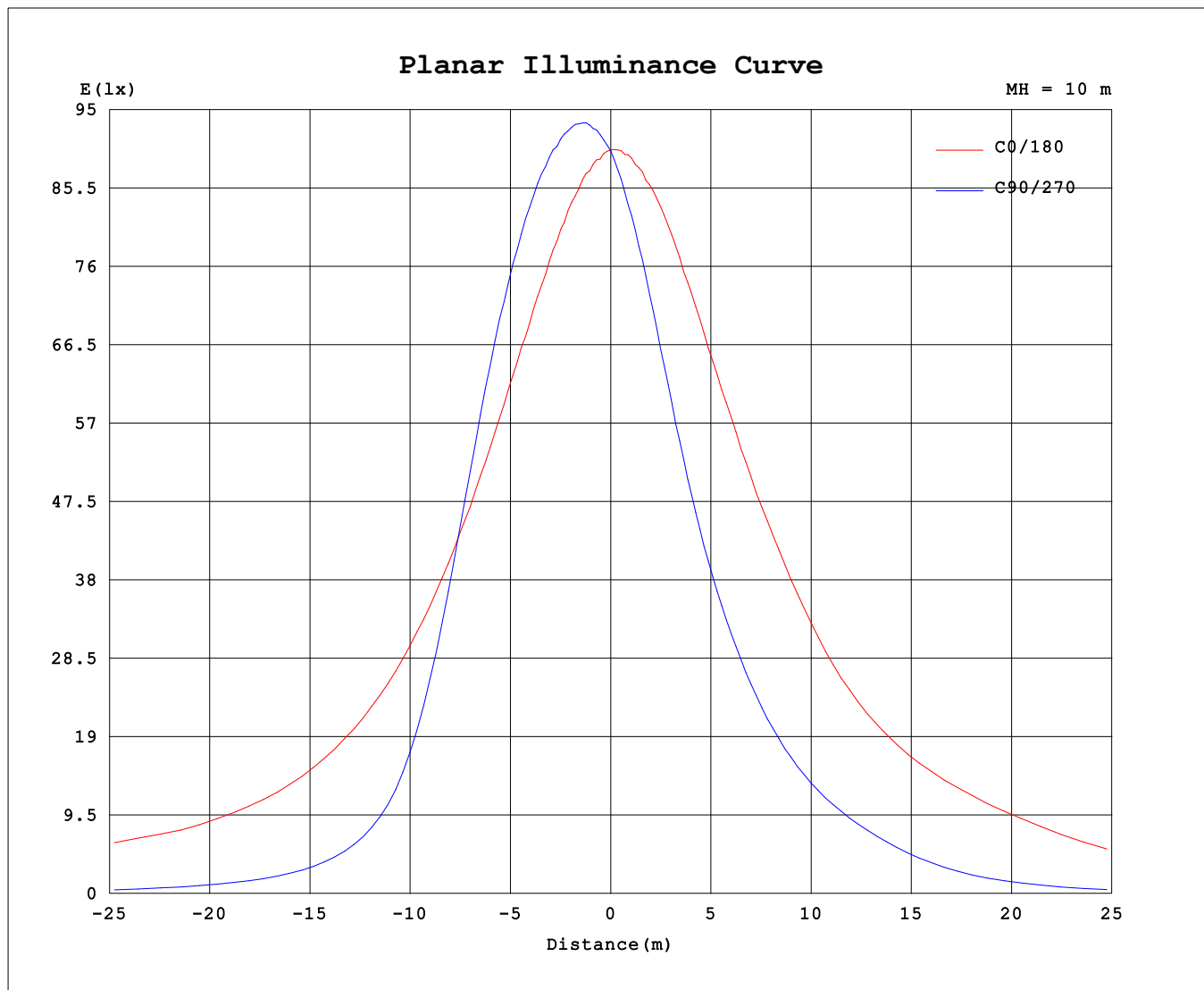
Test:U:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-12-29

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



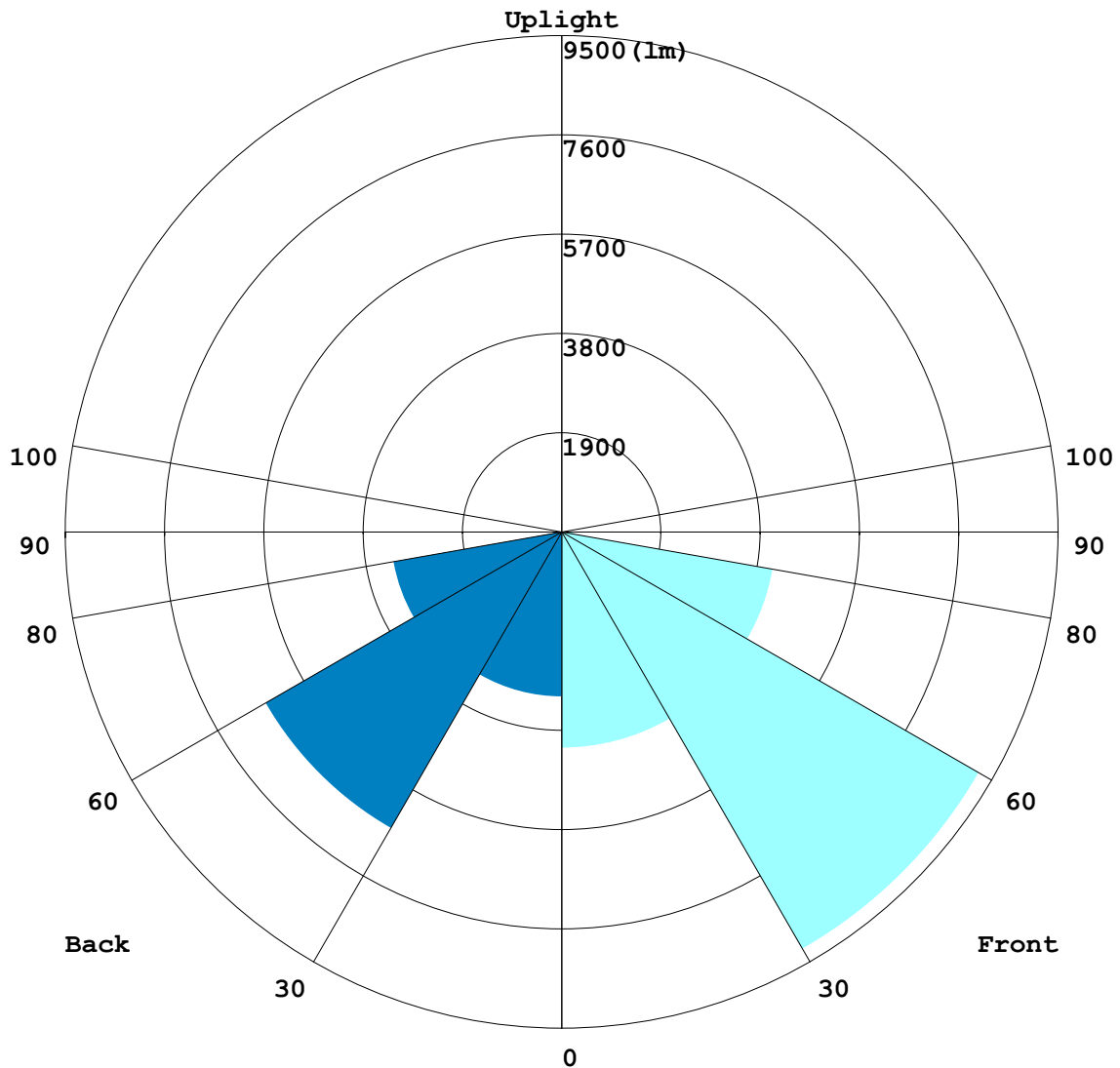
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-12-29

$\gamma$  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:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 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: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 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)	4128.9	13.4
FM - Front-Medium(30-60)	9215.5	29.9
FH - Front-High(60-80)	4096	13.3
FVH - Front-Very High(80-90)	224.9	0.7
Total Forward Light	17665	57.4

BL - Back-Low(0-30)	3151.6	10.2
BM - Back-Medium(30-60)	6540.9	21.2
BH - Back-High(60-80)	3268.6	10.6
BVH - Back-Very High(80-90)	158.53	0.5
Total Back Light	13120	42.6

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	13120	0	13120
Street Side	17665	0	17665

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

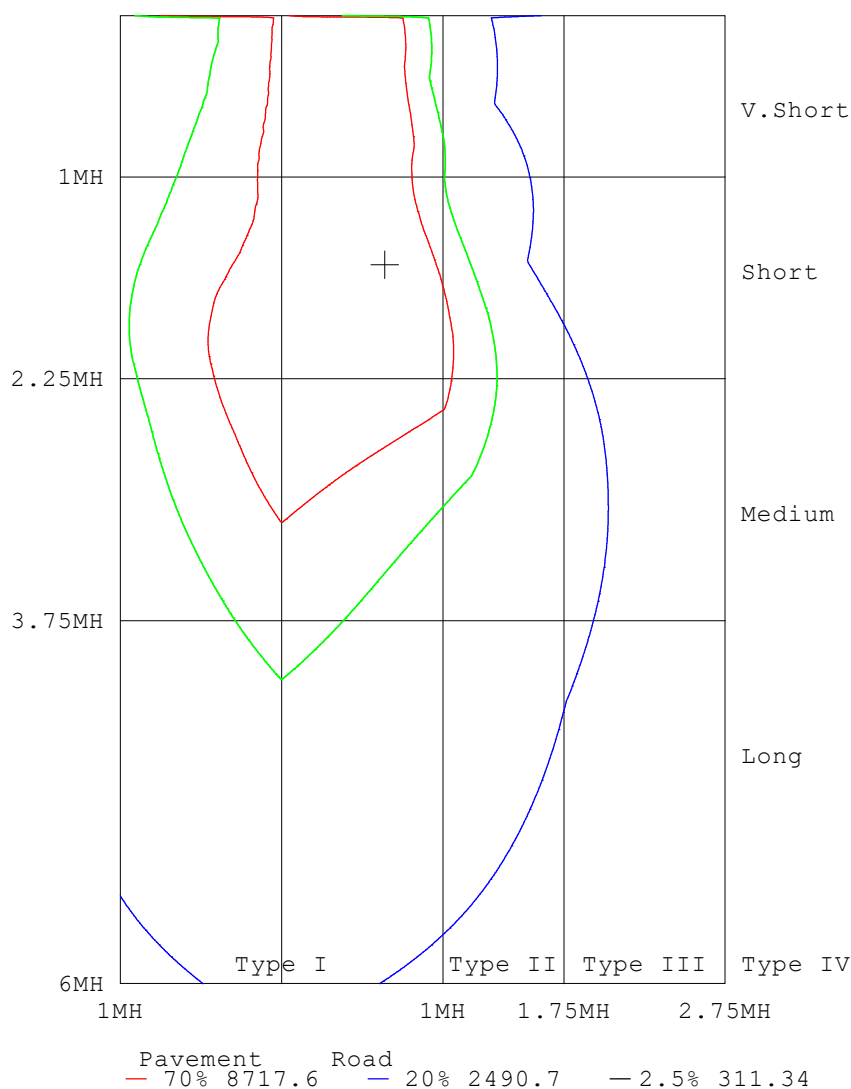
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 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: MEDIUM  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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:118.84V I:1.9866A P:236.02W PF:0.9997 Freq:60.01Hz Lamp Flux:30856.9x1 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	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900			
5	893	910	925	937	938	940	933	924	905	886	867	854	844	850	858	878			
10	885	918	946	968	976	974	962	943	904	867	827	796	784	789	817	850			
15	877	924	968	997	1005	1006	988	956	911	848	785	732	710	727	771	831			
20	871	929	989	1021	1037	1034	1012	971	907	836	740	663	635	657	728	807			
25	865	938	1011	1045	1049	1062	1047	986	912	823	695	598	566	594	680	789			
30	860	949	1039	1041	1031	1064	1079	1003	915	811	648	542	512	535	632	769			
35	853	967	1057	992	933	1006	1103	1025	919	803	603	489	462	484	583	755			
40	852	993	1056	847	734	852	1090	1066	926	794	556	441	419	437	536	739			
45	849	1039	982	608	486	610	1014	1115	927	779	512	396	379	394	490	723			
50	855	1096	810	376	303	383	842	1171	929	759	468	357	345	358	447	709			
55	869	1169	576	242	204	249	622	1223	957	752	420	306	297	312	406	699			
60	914	1215	370	166	147	171	408	1245	1026	754	353	231	216	235	353	705			
65	1021	1184	232	120	110	121	251	1132	1079	693	256	155	140	157	264	729			
70	1225	996	148	87.9	75.2	86.2	146	808	970	501	158	97.3	81.7	99.7	173	687			
75	980	630	92.6	56.6	47.8	53.6	80.0	394	715	272	87.8	58.5	53.0	60.8	109	377			
80	391	260	47.1	31.6	29.4	29.3	35.8	167	337	120	39.9	31.6	32.1	34.4	51.6	135			
85	69.0	75.7	15.4	12.8	12.9	10.5	11.1	34.5	34.8	23.8	8.83	9.30	10.7	12.0	12.3	35.5			
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: 25.4℃  
Operators:DAMIN  
Test Date:2024-12-29

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: