

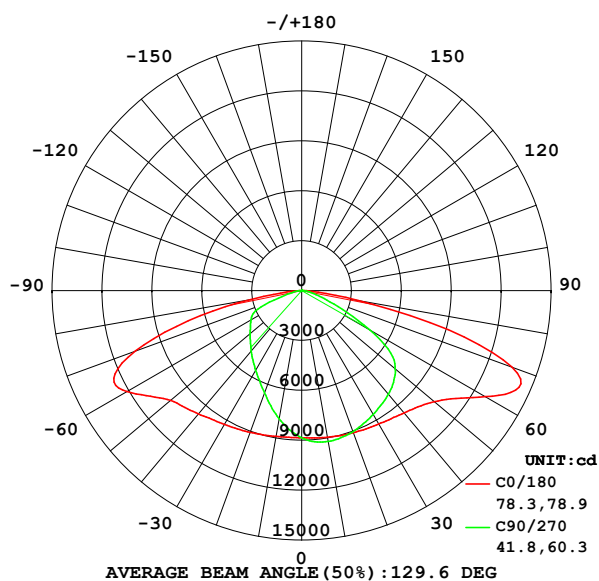
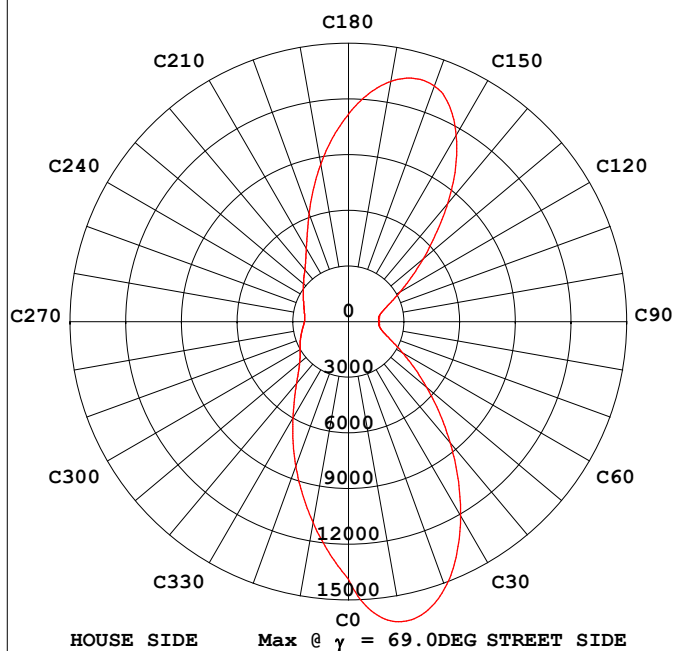
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz

Lamp Flux:36495.3x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.24 lm/W
MODEL	AL-300WS-3CS-T3	Imax (cd)	14596	$\eta$ street_up (%)	0.0	
NOMINAL POWER (W)	300	LOR (%)	99.8	$\eta$ street_down (%)	59.1	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	36412	$\eta$ house_up (%)	0.0	
NOMINAL FLUX (lm)	36495.3	MAXIMUM @ (C, $\gamma$ )	23,69.0	$\eta$ house_down (%)	40.7	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	25.361	

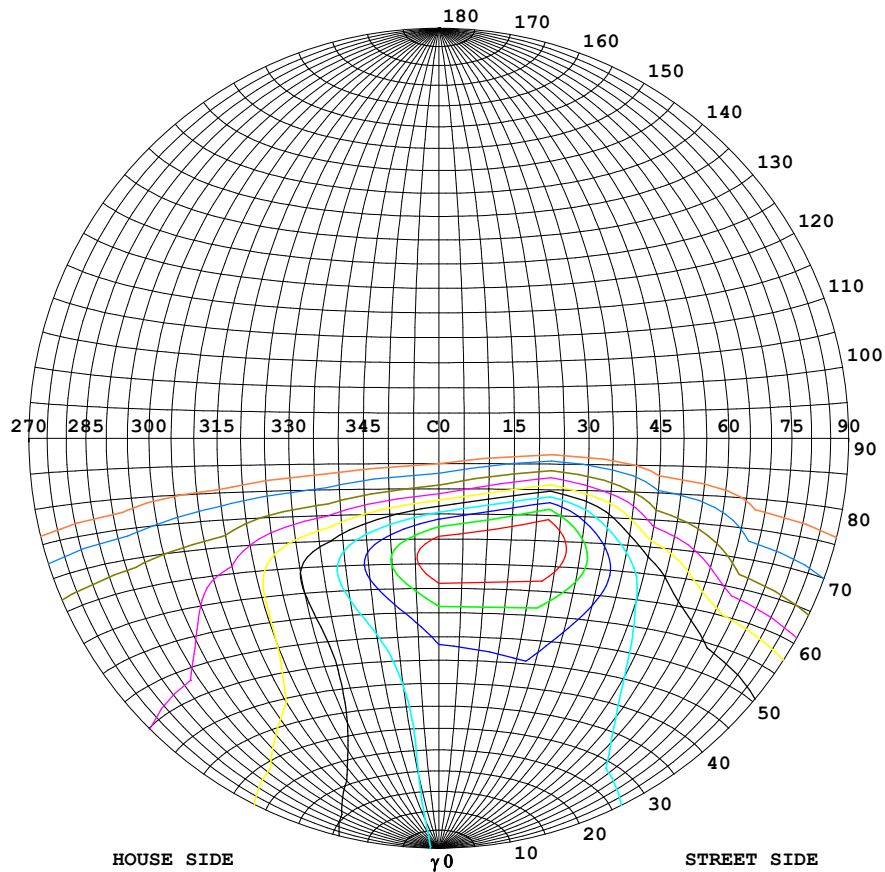
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2°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:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

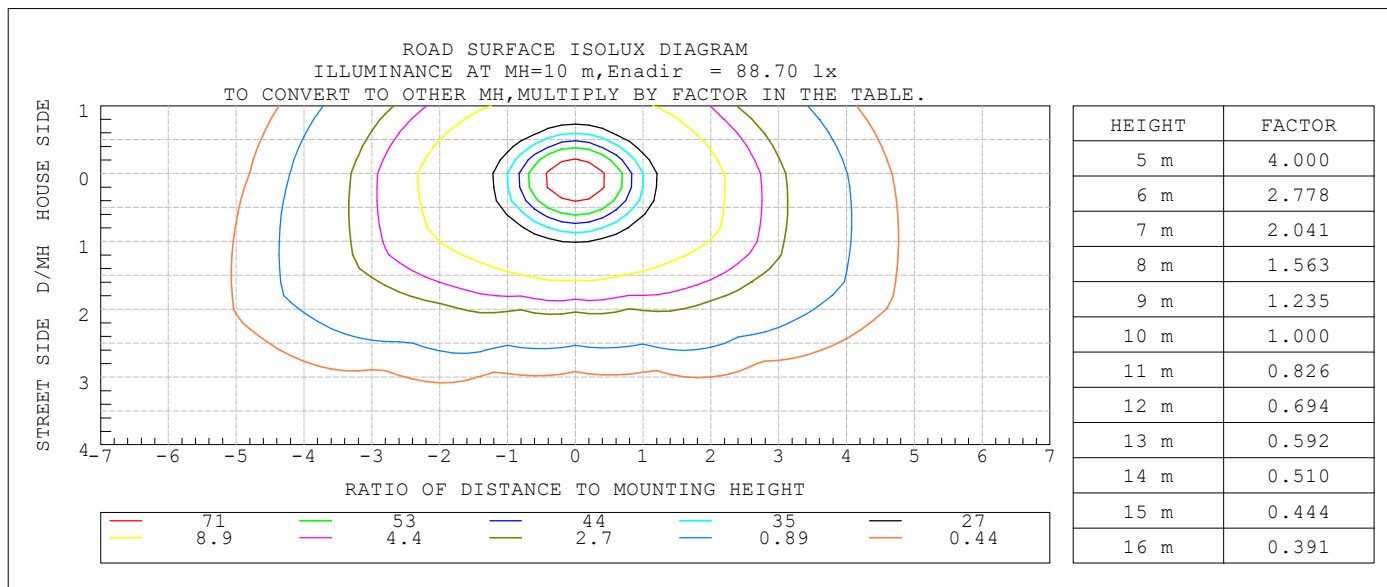
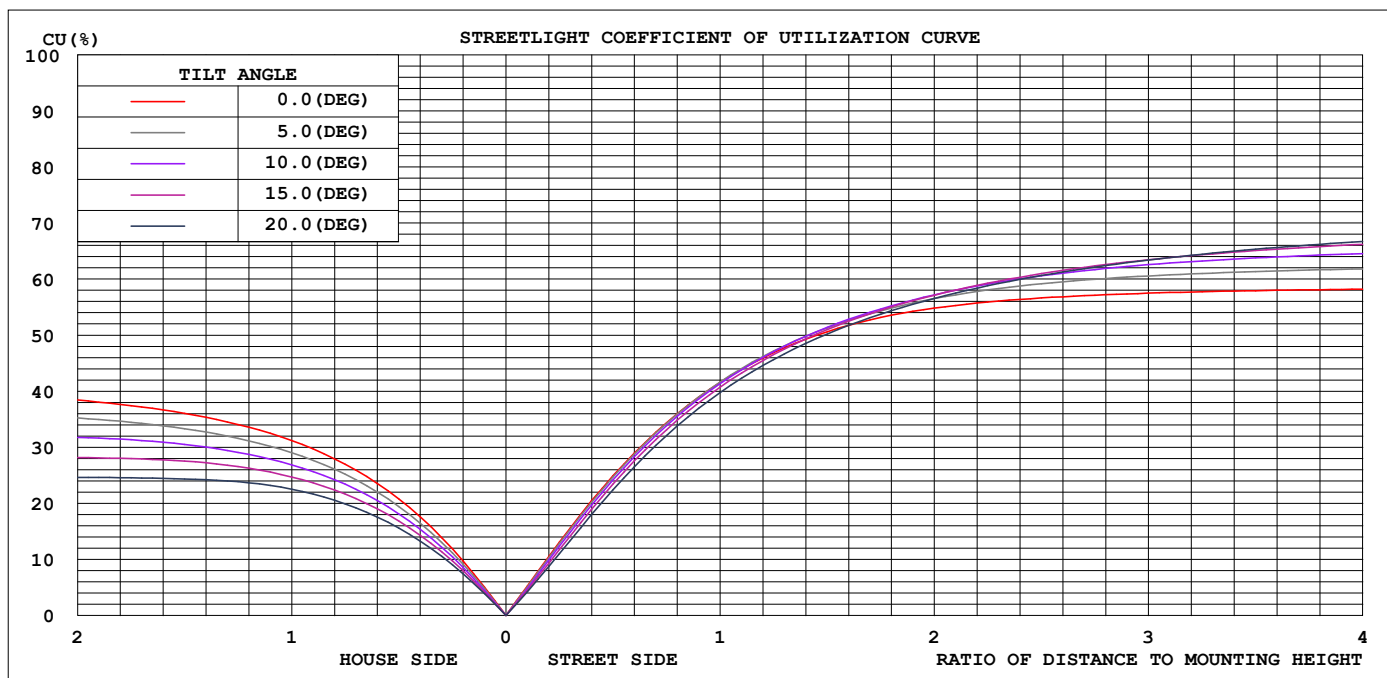
IES:Type III - Medium  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:189.7cd/klm  
Max.At90:0cd/klm  
Max.80-90:189.7cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		14596
90%		13136
80%		11677
70%		10217
60%		8758
50%		7298
40%		5838
30%		4379
20%		2919
10%		1460
5%		730

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2°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:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2°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:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

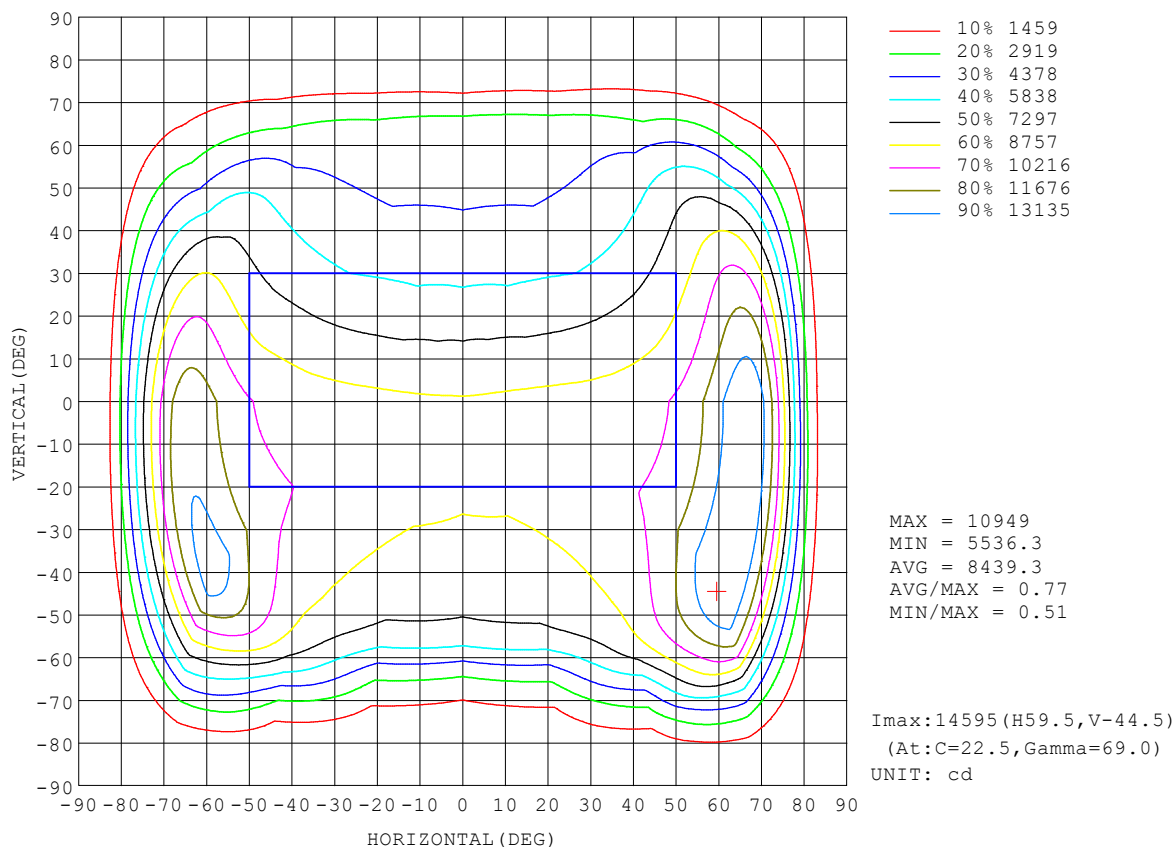
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	894.9	919.6	920.9	923.8	890.2	818.1	783.5	823.0	0- 10	838.5	838.5	2.3,2.3
20	909.1	926.6	902.8	936.8	907.0	729.2	654.9	737.5	10- 20	2421	3260	8.95,8.93
30	926.3	916.5	860.0	932.3	929.9	644.4	554.0	647.0	20- 30	3787	7047	19.4,19.3
40	960.0	901.5	812.2	918.6	967.8	579.0	473.5	579.9	30- 40	4936	11982	32.9,32.8
50	1040	893.7	735.4	907.6	1029	524.9	404.7	529.6	40- 50	5917	17899	49.2,49
60	1277	874.9	472.5	873.5	1215	468.0	352.6	494.2	50- 60	6783	24682	67.8,67.6
70	1343	644.2	145.4	612.1	1063	316.5	208.0	354.6	60- 70	6989	31671	87,86.8
80	346.3	161.8	43.52	121.0	311.7	68.97	41.29	85.95	70- 80	4106	35777	98.3,98
90	0	0	0	0	0	0	0	0	80- 90	634.7	36412	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	36412	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	36412	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	36412	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	36412	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	36412	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	36412	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	36412	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	36412	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	36412	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2℃  
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

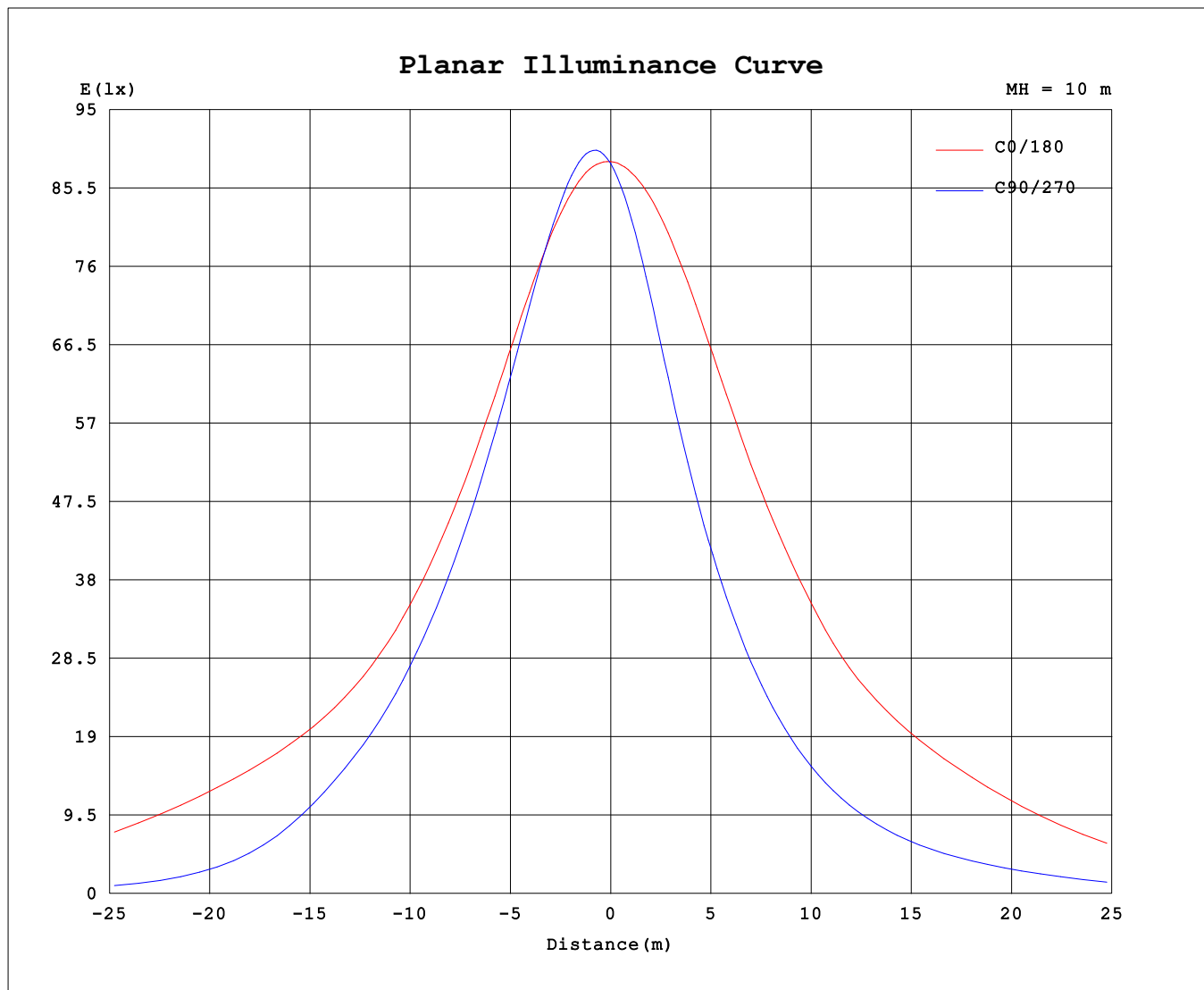
Test:U:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2°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



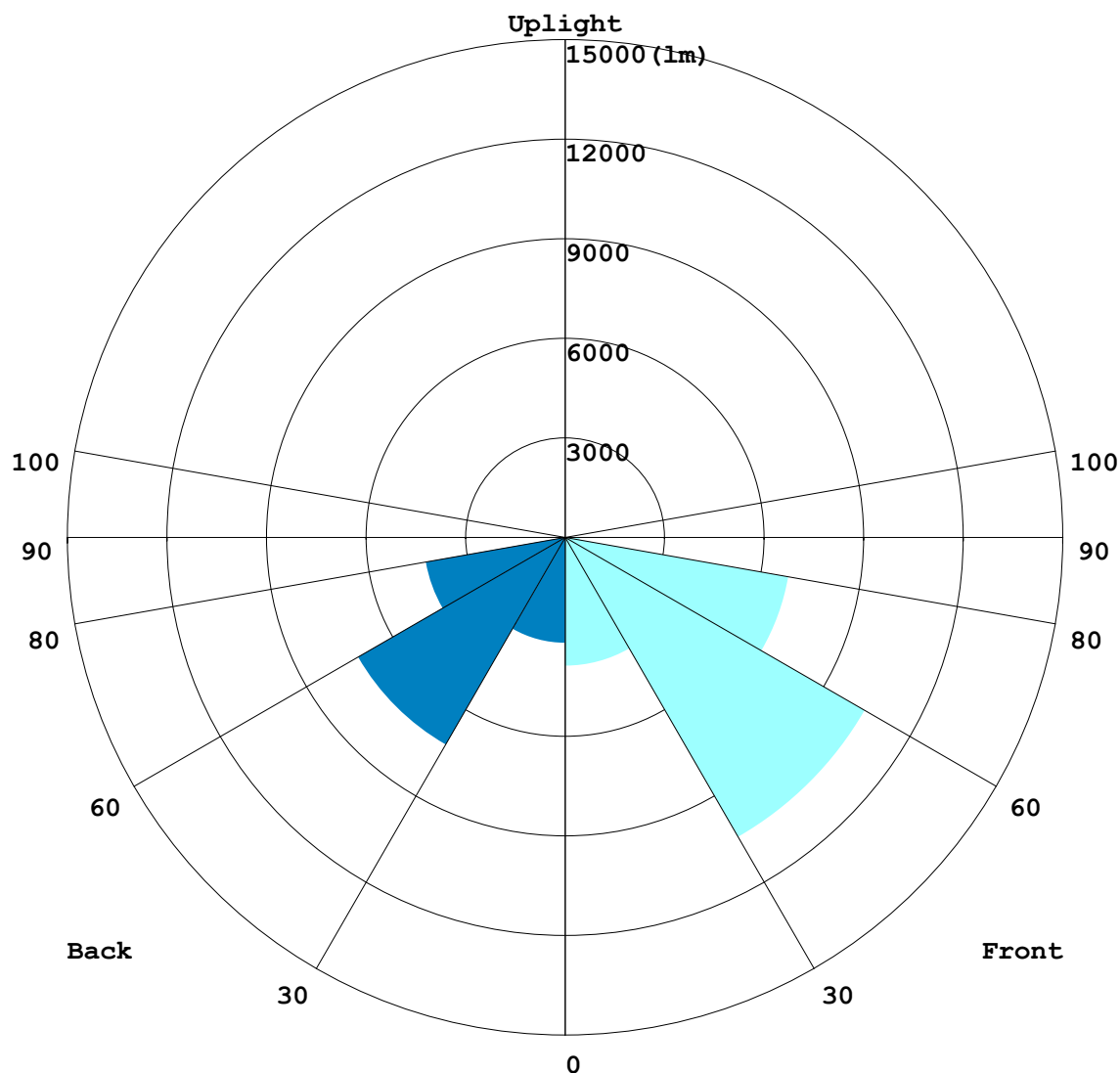
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.2°C  
 Operators:DAMIN  
 Test Date:2024-12-29

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:

### LCS REPORT

Test:U:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 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: 25.2℃  
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:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 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)	3868.2	10.6
FM - Front-Medium(30-60)	10427	28.6
FH - Front-High(60-80)	6832.9	18.8
FVH - Front-Very High(80-90)	444.91	1.2
Total Forward Light	21573	59.2

BL - Back-Low(0-30)	3178.4	8.7
BM - Back-Medium(30-60)	7209.3	19.8
BH - Back-High(60-80)	4262	11.7
BVH - Back-Very High(80-90)	189.79	0.5
Total Back Light	14839	40.8

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	14839	0	14839
Street Side	21573	0	21573

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2℃  
Operators:DAMIN  
Test Date:2024-12-29

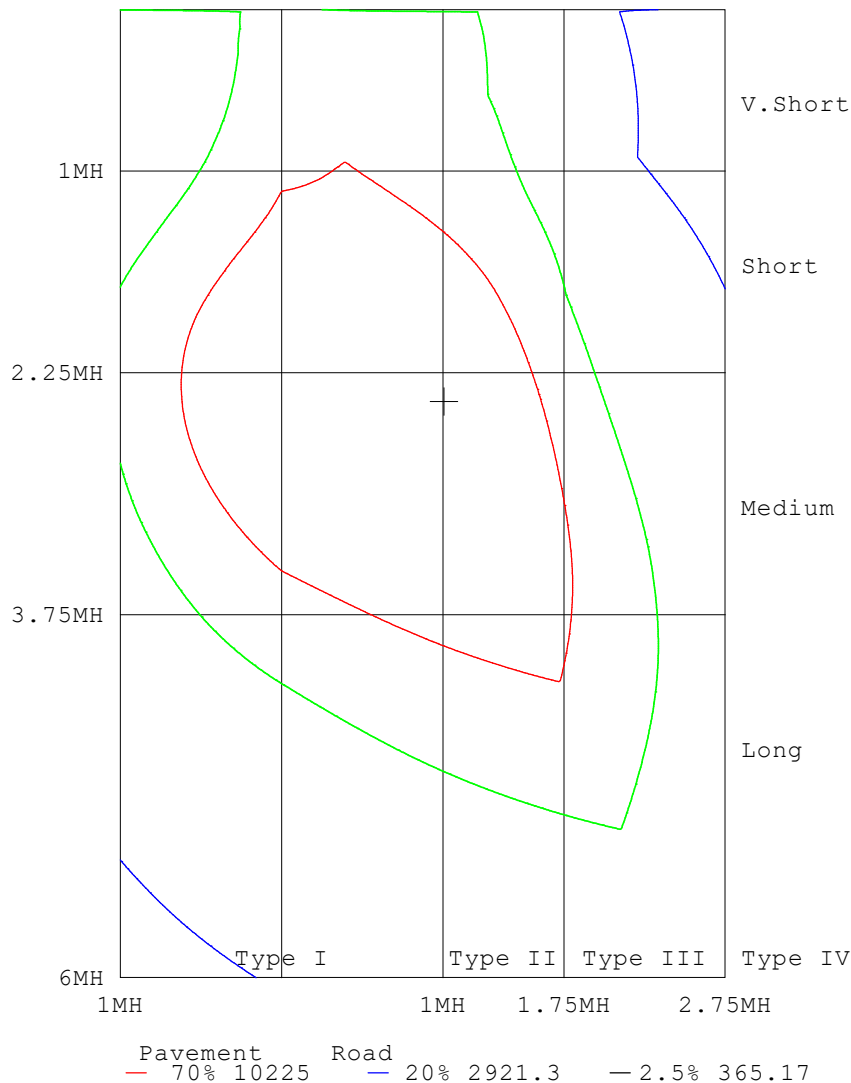
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 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: 25.2°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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.62V I:2.4716A P:293.09W PF:0.9997 Freq:60.01Hz Lamp Flux:36495.3x1 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	885	885	885	885	885	885	885	885	885	885	885	885	885	885	885	885			
5	889	899	907	910	912	912	907	899	886	870	855	845	841	846	858	873			
10	895	913	920	920	921	924	924	915	890	854	818	792	784	796	823	861			
15	902	926	925	917	916	925	934	931	898	837	776	732	718	737	783	846			
20	909	939	927	906	903	916	937	946	907	819	729	672	655	677	738	829			
25	918	950	923	890	883	901	937	962	917	799	685	620	600	623	690	809			
30	926	961	917	871	860	882	932	975	930	780	644	574	554	575	647	790			
35	940	974	908	851	837	860	926	988	945	766	610	533	512	533	611	776			
40	960	991	901	832	812	838	919	1004	968	757	579	496	474	495	580	770			
45	989	1016	897	808	781	810	913	1030	994	752	551	459	437	459	553	771			
50	1040	1060	894	773	735	769	908	1061	1029	747	525	424	405	425	530	784			
55	1132	1133	887	718	654	704	898	1130	1109	755	498	393	377	396	511	812			
60	1277	1255	875	587	472	568	873	1254	1215	762	468	364	353	369	494	846			
65	1419	1402	825	376	273	364	806	1382	1247	712	417	326	319	337	457	856			
70	1343	1456	644	212	145	204	612	1281	1063	526	317	238	208	258	355	729			
75	912	1261	376	111	81.6	107	321	914	705	310	172	111	88.8	119	211	432			
80	346	692	162	56.3	43.5	53.8	121	492	312	138	69.0	45.7	41.3	50.3	86.0	158			
85	72.2	189	38.3	22.4	17.4	18.5	26.9	101	60.0	26.1	14.7	11.4	12.4	15.3	17.6	38.1			
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: 25.2℃  
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: