

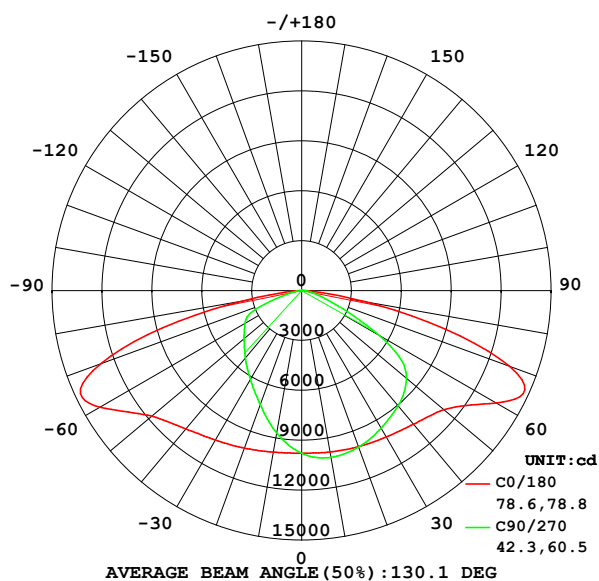
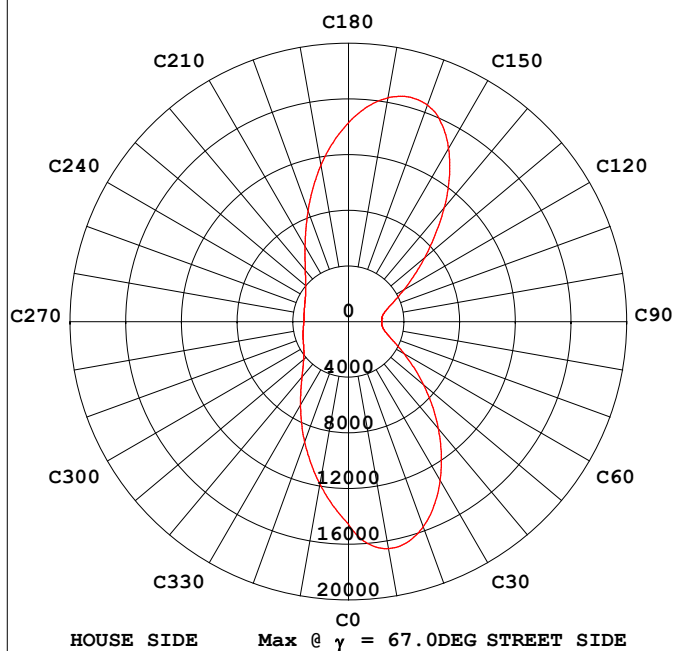
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.62V I:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz

Lamp Flux:40674.5x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 147.12 lm/W
MODEL	AL-300WS-3CS-T3	Imax (cd)	16287	$\eta$ street_up (%)	0.0	
NOMINAL POWER (W)	300	LOR (%)	99.8	$\eta$ street_down (%)	58.8	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	40581	$\eta$ house_up (%)	0.0	
NOMINAL FLUX (lm)	40674.5	MAXIMUM @ (C, $\gamma$ )	158,67.0	$\eta$ house_down (%)	41.0	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	25.533	

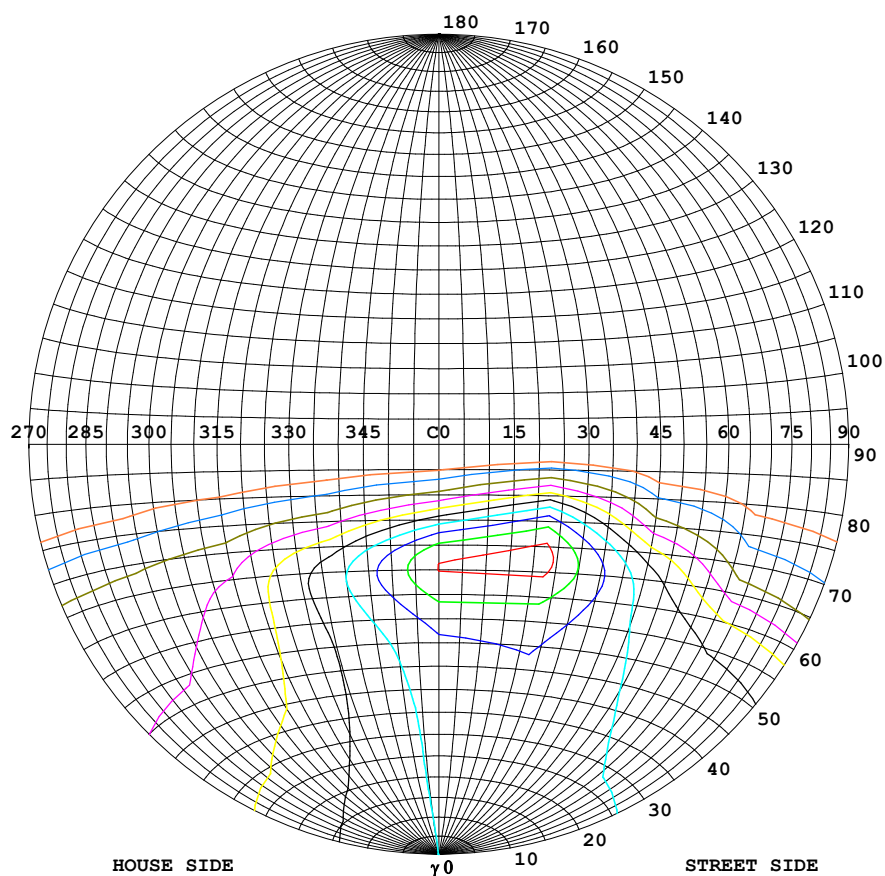
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



## Classification:

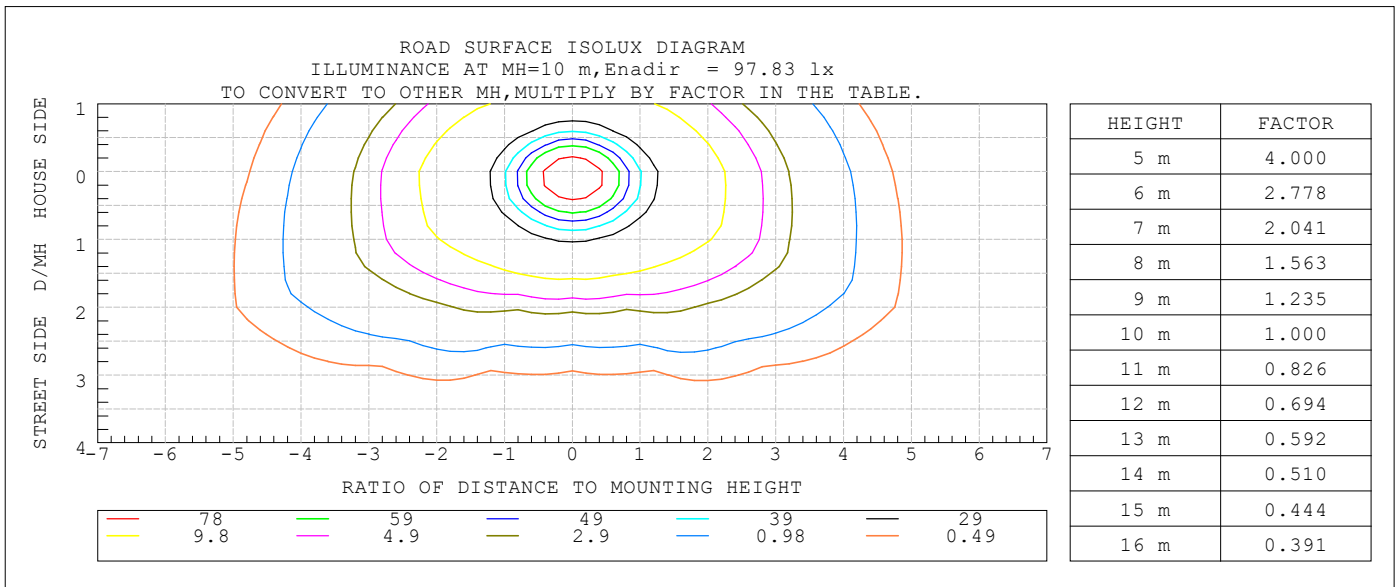
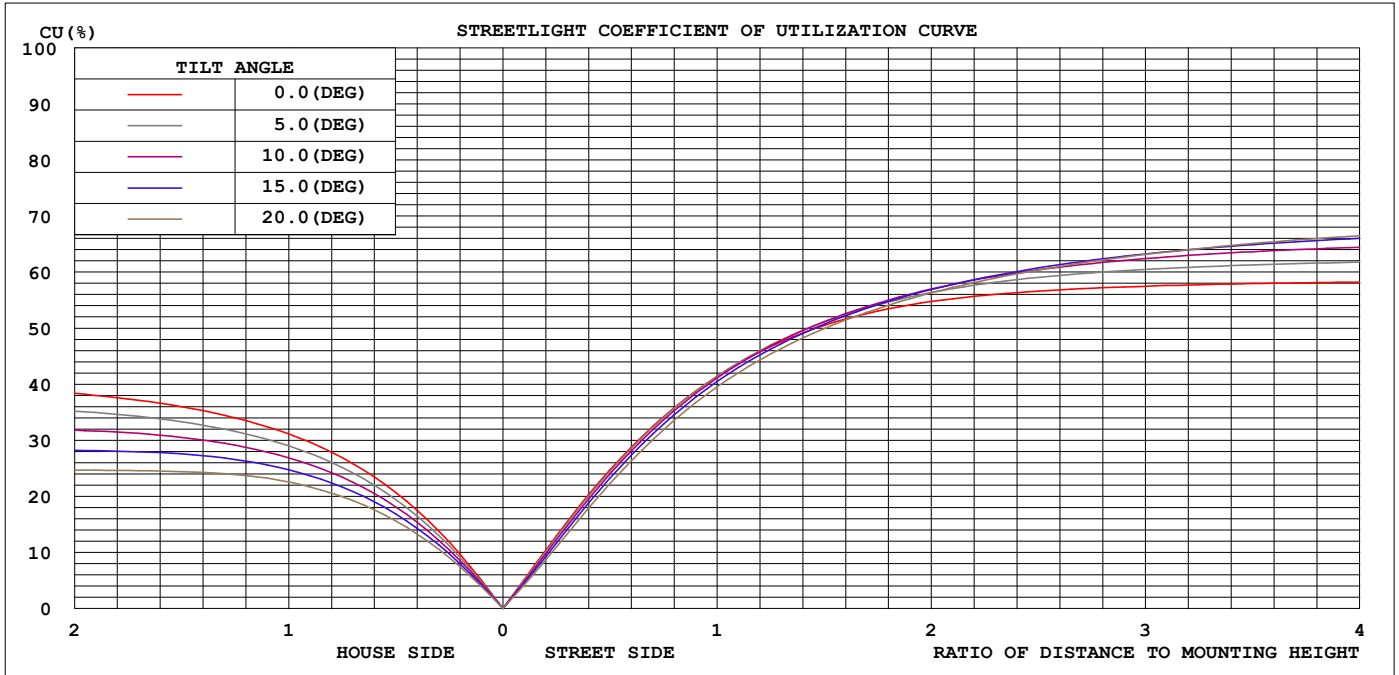
IES:Type III - Short  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:177.4cd/klm  
Max.At90:0cd/klm  
Max.80-90:177.4cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		16287
90%		14658
80%		13029
70%		11401
60%		9772
50%		8143
40%		6515
30%		4886
20%		3257
10%		1629
5%		814

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:

# 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:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

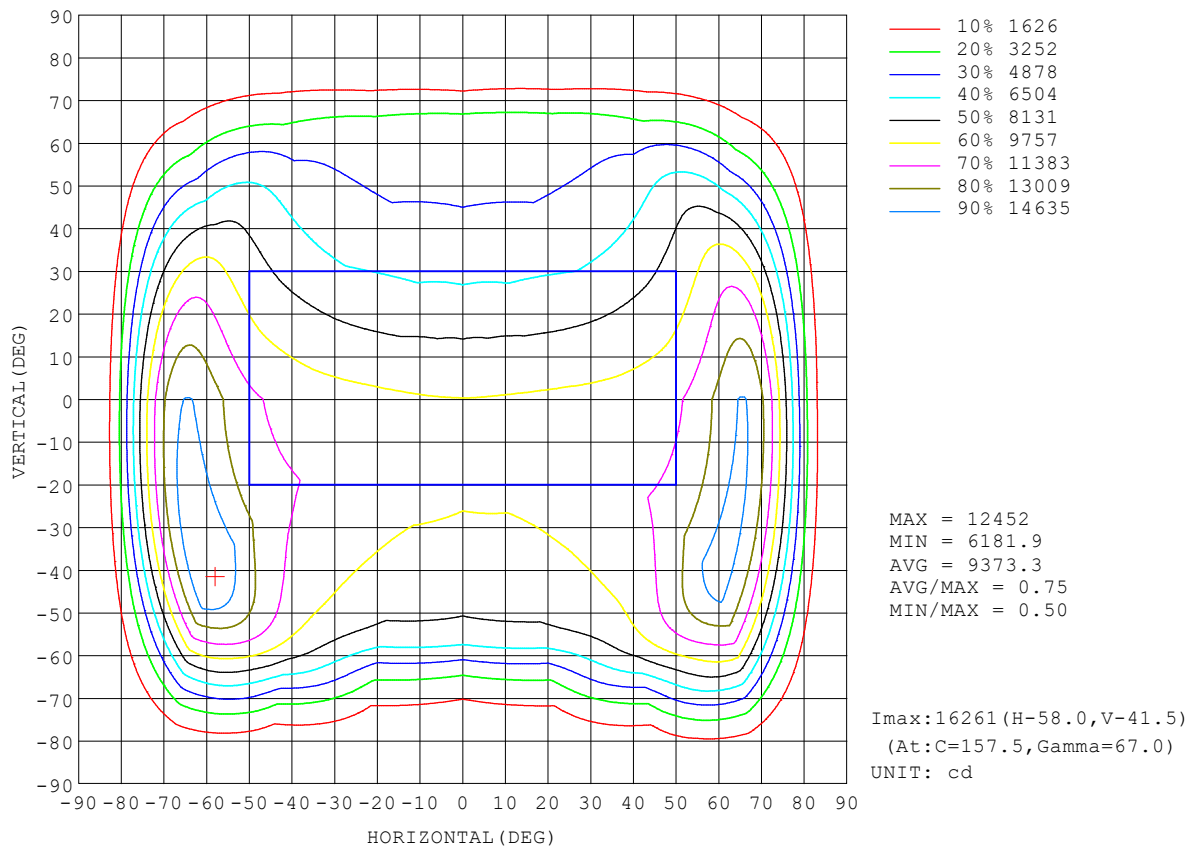
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	984.7	1014	1018	1023	986.1	908.6	870.0	910.1	0- 10	926.9	926.9	2.28,2.28
20	998.5	1022	1001	1040	1008	815.7	730.3	818.9	10- 20	2682	3609	8.89,8.87
30	1017	1015	955.4	1042	1038	724.0	618.1	720.7	20- 30	4208	7817	19.3,19.2
40	1048	1002	903.2	1033	1086	653.6	527.5	645.0	30- 40	5497	13315	32.8,32.7
50	1116	990.6	822.0	1028	1176	595.2	452.0	588.0	40- 50	6601	19916	49.1,49
60	1351	961.1	534.1	1009	1402	536.0	394.2	538.7	50- 60	7577	27493	67.7,67.6
70	1326	714.6	167.1	733.3	1284	362.1	232.2	386.9	60- 70	7799	35292	87,86.8
80	382.9	169.2	50.05	163.1	356.1	85.63	46.78	87.66	70- 80	4571	39862	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	719.2	40581	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	40581	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	40581	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	40581	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	40581	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	40581	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	40581	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	40581	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	40581	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	40581	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

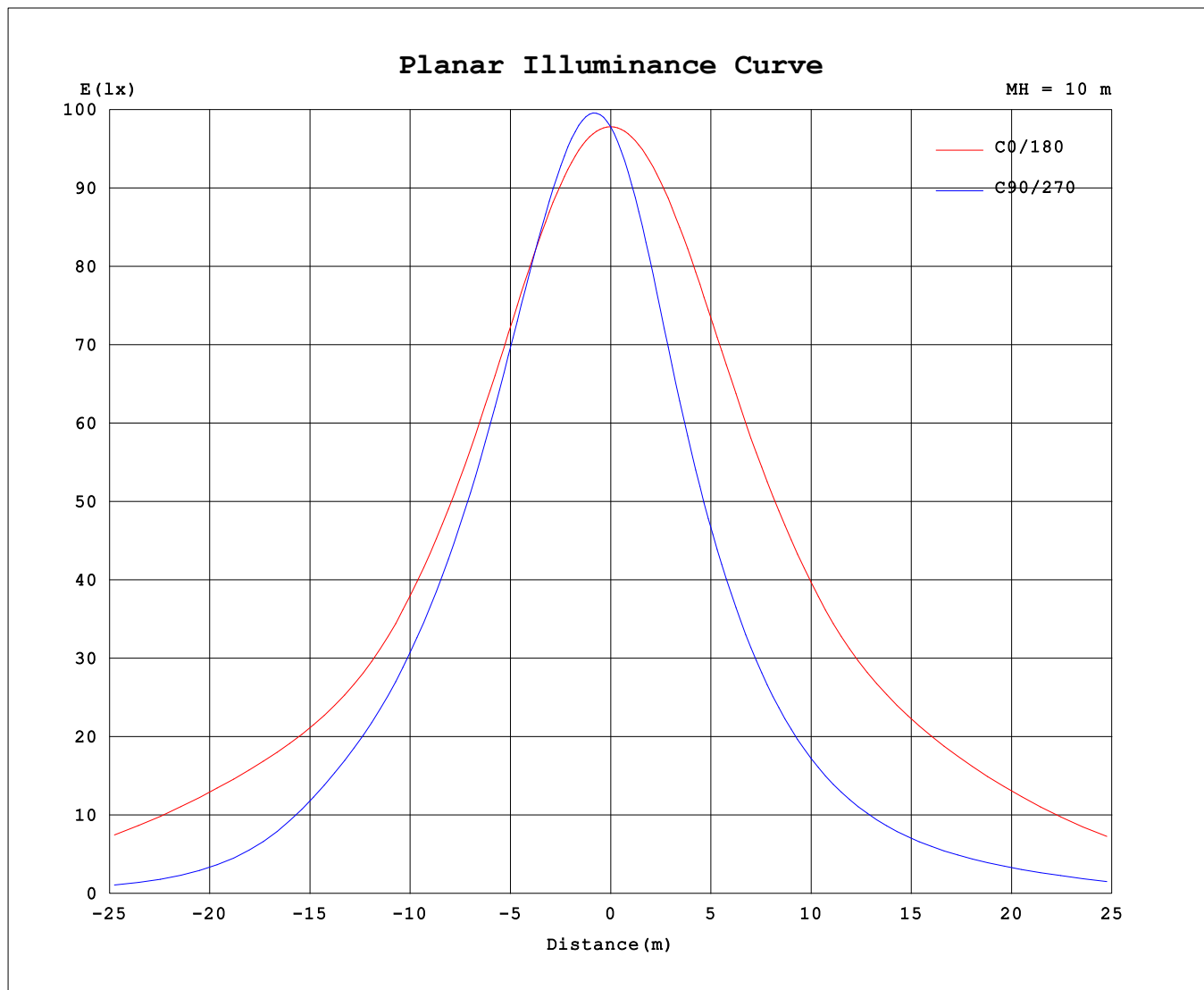
Test:U:118.62V I:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



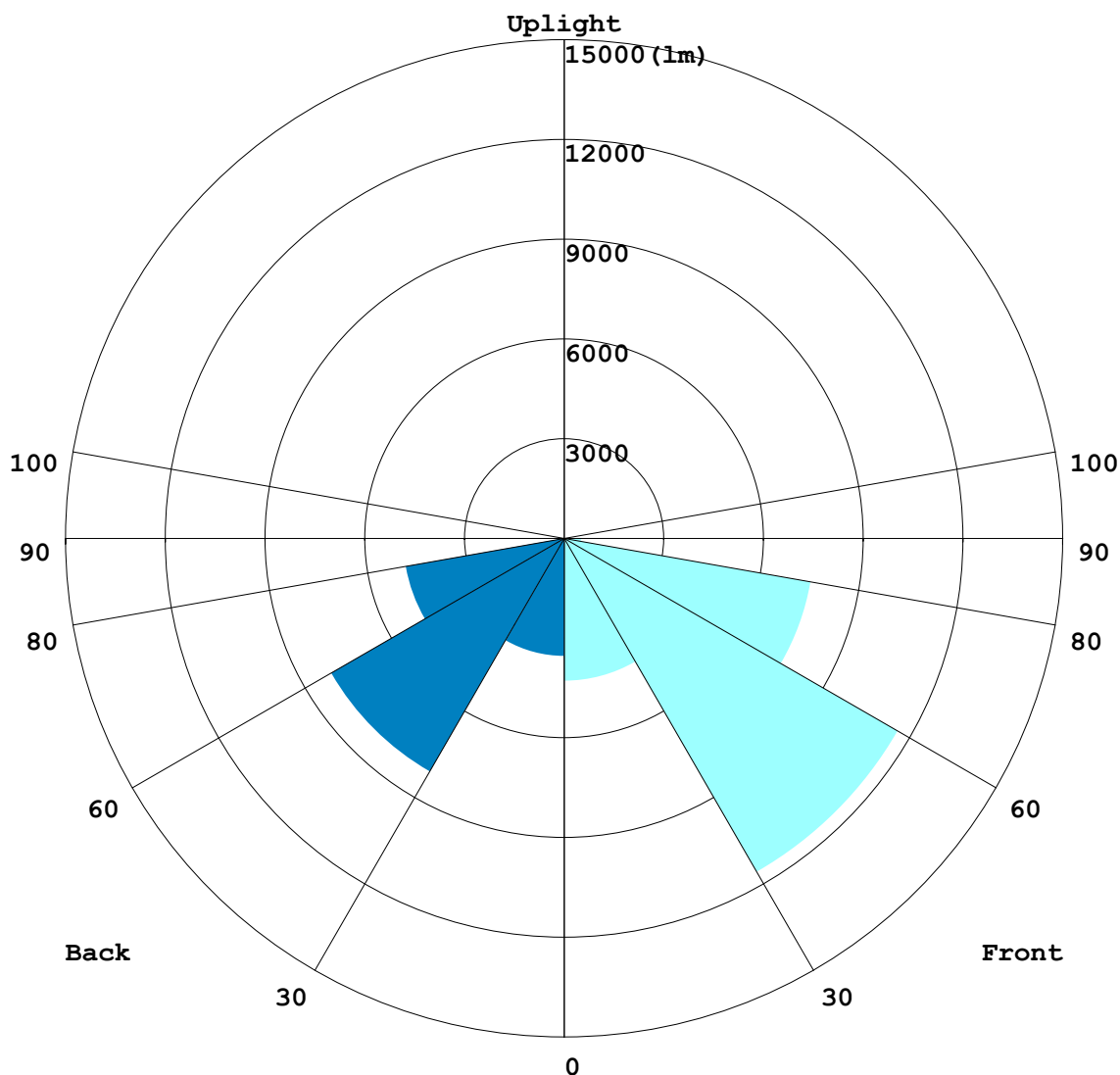
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.2°C  
Operators:DAMIN  
Test Date:2024-12-29

$\gamma$  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:118.62V I:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 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: 25.2℃  
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:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 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)	4280.8	10.5
FM - Front-Medium(30-60)	11584	28.5
FH - Front-High(60-80)	7526.6	18.5
FVH - Front-Very High(80-90)	505.22	1.2
Total Forward Light	23896	58.9

BL - Back-Low(0-30)	3536.2	8.7
BM - Back-Medium(30-60)	8092.3	19.9
BH - Back-High(60-80)	4842.5	11.9
BVH - Back-Very High(80-90)	214	0.5
Total Back Light	16685	41.1

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	16685	0	16685
Street Side	23896	0	23896

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

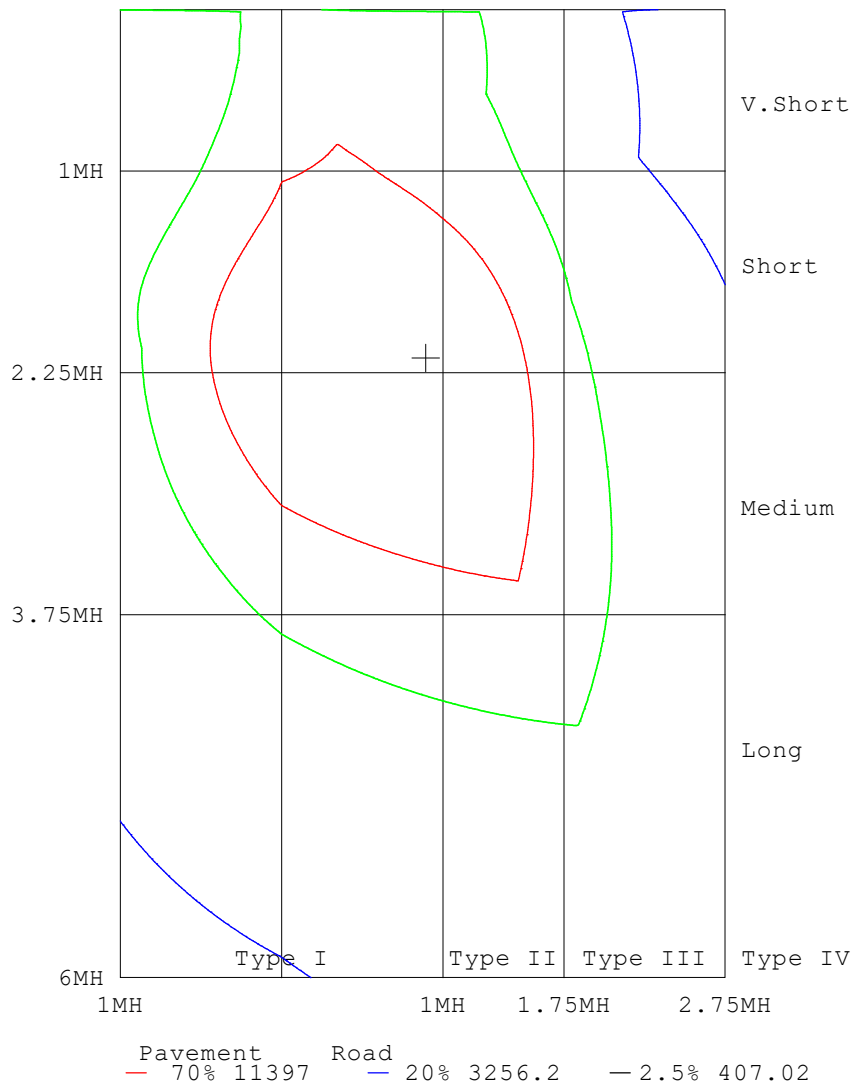
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.62V I:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 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: 25.2°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:2.3260A P:275.83W PF:0.9998 Freq:60.01Hz Lamp Flux:40674.5x1 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	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978			
5	980	992	1000	1005	1007	1008	1002	994	980	963	947	935	931	935	947	963			
10	985	1006	1014	1016	1018	1023	1023	1011	986	948	909	880	870	882	910	949			
15	991	1020	1021	1015	1014	1025	1035	1031	996	932	865	817	800	819	867	932			
20	998	1033	1022	1005	1001	1018	1040	1049	1008	915	816	751	730	753	819	915			
25	1008	1047	1019	989	981	1004	1043	1069	1022	897	768	693	670	694	768	894			
30	1017	1059	1015	969	955	983	1042	1086	1038	880	724	642	618	641	721	874			
35	1030	1074	1009	947	929	960	1038	1104	1057	867	687	597	571	595	680	858			
40	1048	1092	1002	925	903	935	1033	1127	1086	862	654	554	528	552	645	848			
45	1074	1118	996	900	870	906	1030	1161	1123	860	623	514	488	513	615	846			
50	1116	1155	991	862	822	863	1028	1209	1176	863	595	475	452	476	588	851			
55	1206	1222	981	802	734	796	1023	1300	1273	879	568	441	421	443	563	875			
60	1351	1343	961	659	534	648	1009	1449	1402	892	536	410	394	413	539	908			
65	1469	1489	907	424	311	421	943	1606	1467	847	478	369	356	377	498	906			
70	1326	1488	715	239	167	239	733	1554	1284	652	362	270	232	287	387	734			
75	893	1226	407	126	93.8	126	413	1177	865	388	209	127	99.4	132	219	431			
80	383	721	169	64.2	50.1	63.3	163	604	356	160	85.6	52.5	46.8	54.7	87.7	172			
85	76.3	196	40.8	24.3	20.0	23.6	35.0	136	64.7	33.1	17.7	14.2	13.9	15.6	18.4	38.8			
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: 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: