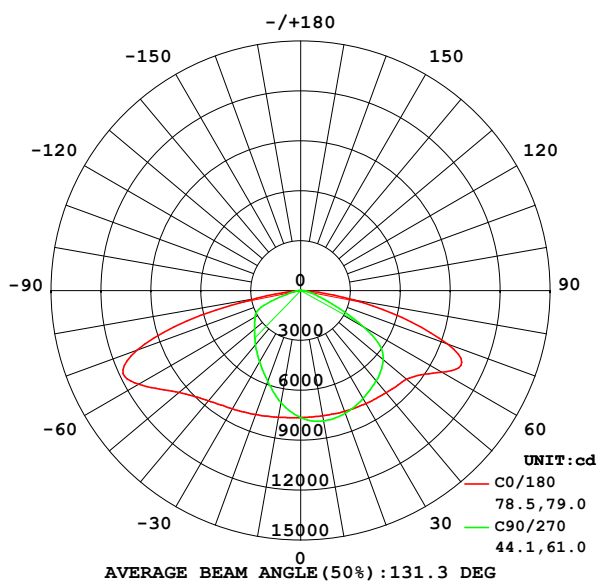
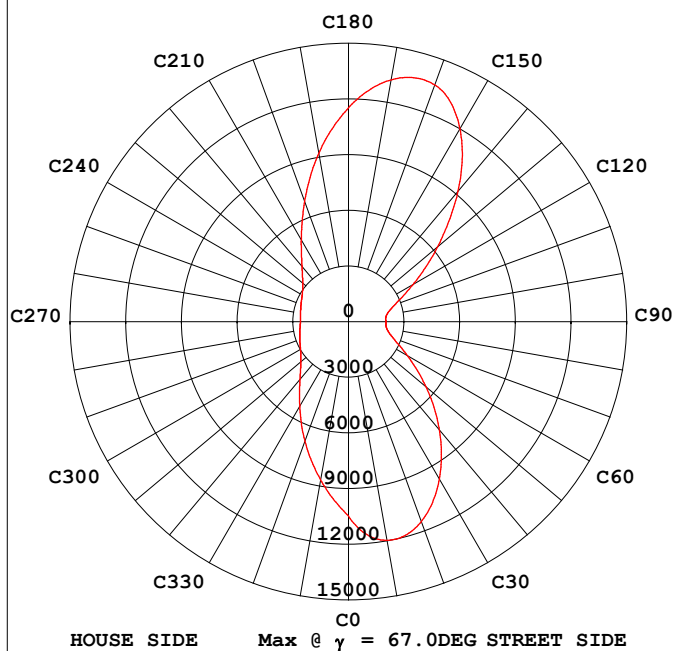


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.81 lm/W			
MODEL	AL-240WS-3CS-T3	Imax(cd)	13398	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	240	LOR(%)	99.8	$\eta$ street_down(%)	58.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	32061	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	32133.8	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	25.310

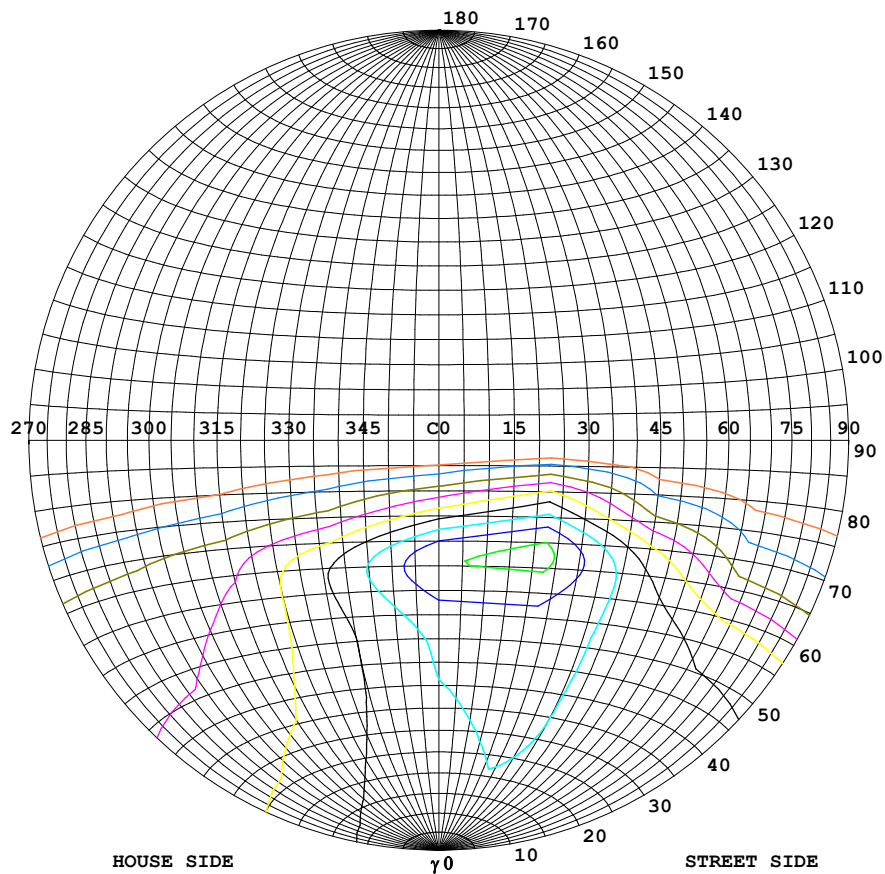
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8℃  
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:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



## Classification:

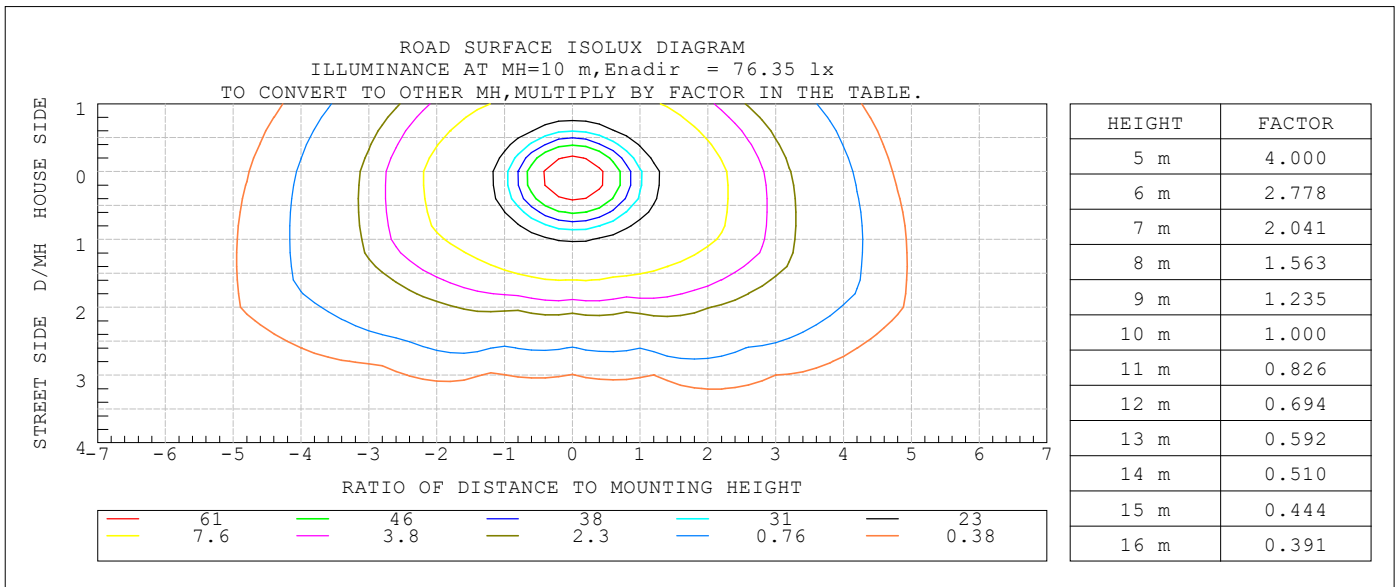
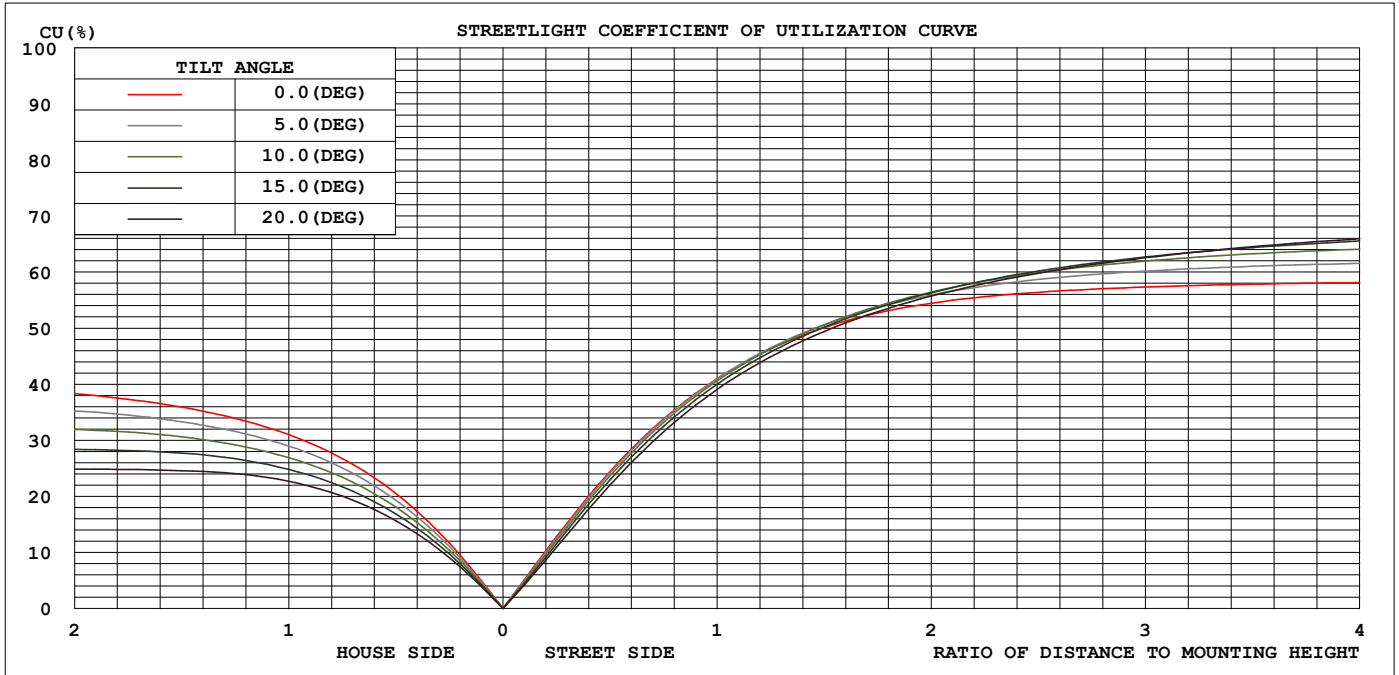
IES:Type III - Short  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:170.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:170.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		13398
90%		12058
80%		10718
70%		9379
60%		8039
50%		6699
40%		5359
30%		4019
20%		2680
10%		1340
5%		670

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8℃  
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: 24.8°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:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

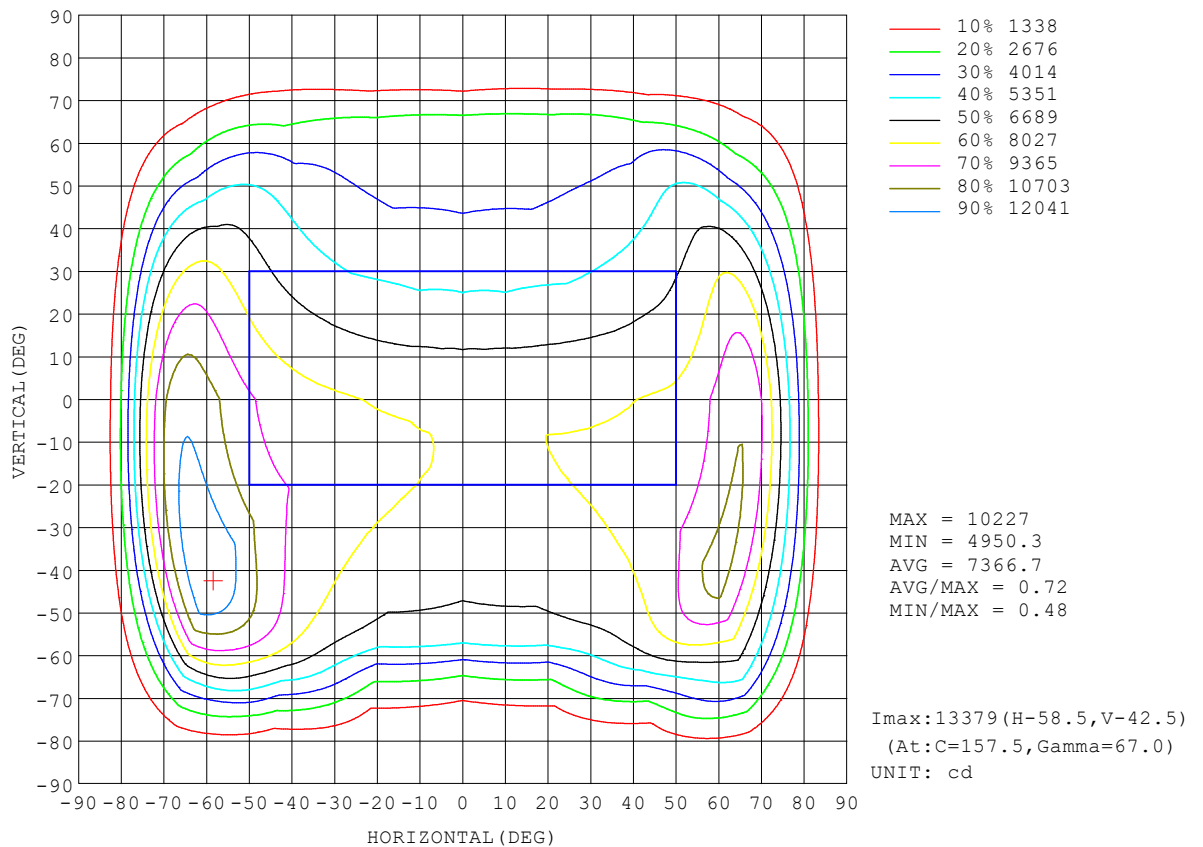
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	764.0	789.5	795.7	799.8	773.4	715.6	685.0	711.9	0- 10	724.4	724.4	2.26,2.25
20	773.0	794.4	785.1	818.9	793.1	648.7	581.0	643.8	10- 20	2102	2826	8.82,8.8
30	784.6	789.6	749.8	827.5	821.3	580.7	495.1	570.7	20- 30	3311	6137	19.1,19.1
40	801.2	779.1	707.9	828.1	864.8	528.9	424.3	513.2	30- 40	4337	10474	32.7,32.6
50	830.6	765.4	647.8	833.6	953.8	483.9	363.9	466.5	40- 50	5216	15690	48.9,48.8
60	981.4	732.2	436.8	843.0	1126	437.3	317.1	422.0	50- 60	5984	21674	67.6,67.4
70	937.7	557.6	141.9	657.5	1045	290.8	188.5	310.4	60- 70	6150	27824	86.8,86.6
80	324.7	128.5	42.25	163.3	270.2	76.32	38.16	67.72	70- 80	3637	31462	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	599.0	32061	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	32061	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	32061	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	32061	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	32061	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	32061	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	32061	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	32061	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	32061	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	32061	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8℃  
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

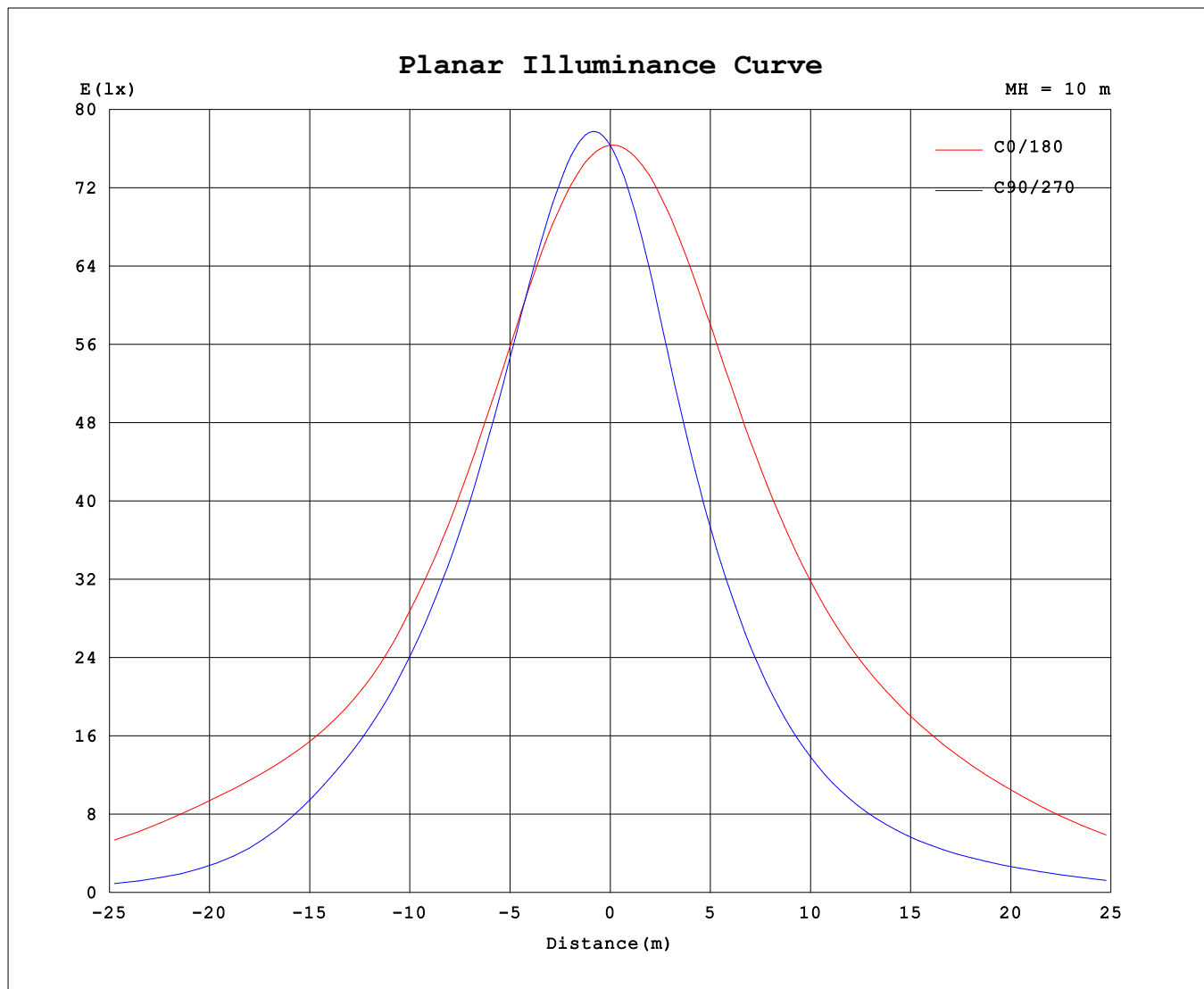
Test:U:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8°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



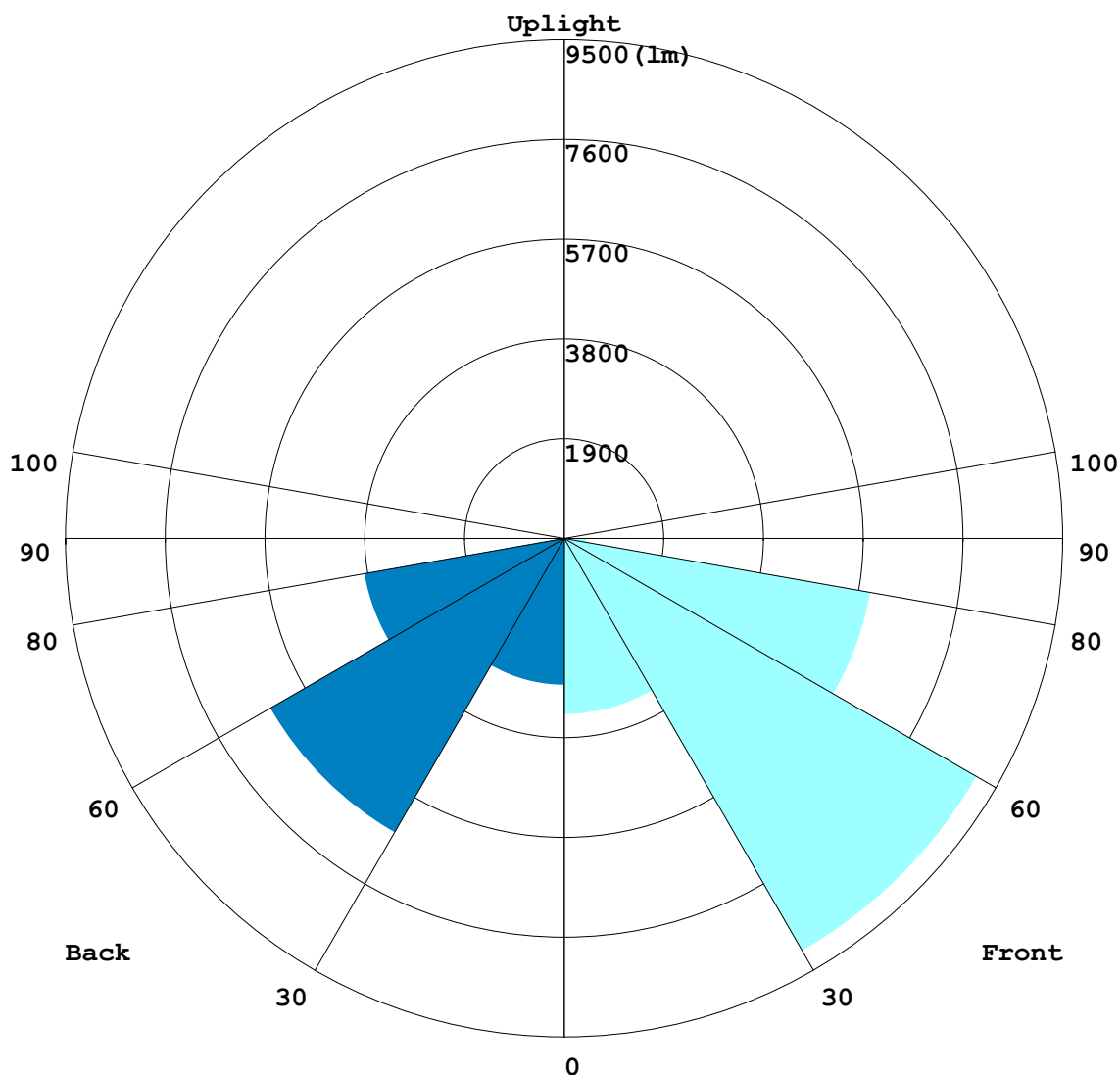
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8°C  
Operators:DAMIN  
Test Date:2024-12-24

$\gamma$  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:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 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: 24.8℃  
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:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlight lighting	SUR.:	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3344.6	10.4
FM - Front-Medium(30-60)	9070.7	28.3
FH - Front-High(60-80)	5920.1	18.5
FVH - Front-Very High(80-90)	424.53	1.3
Total Forward Light	18760	58.5

BL - Back-Low(0-30)	2792.5	8.7
BM - Back-Medium(30-60)	6466.3	20.2
BH - Back-High(60-80)	3867.5	12.1
BVH - Back-Very High(80-90)	174.48	0.5
Total Back Light	13301	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	13301	0	13301
Street Side	18760	0	18760

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-24

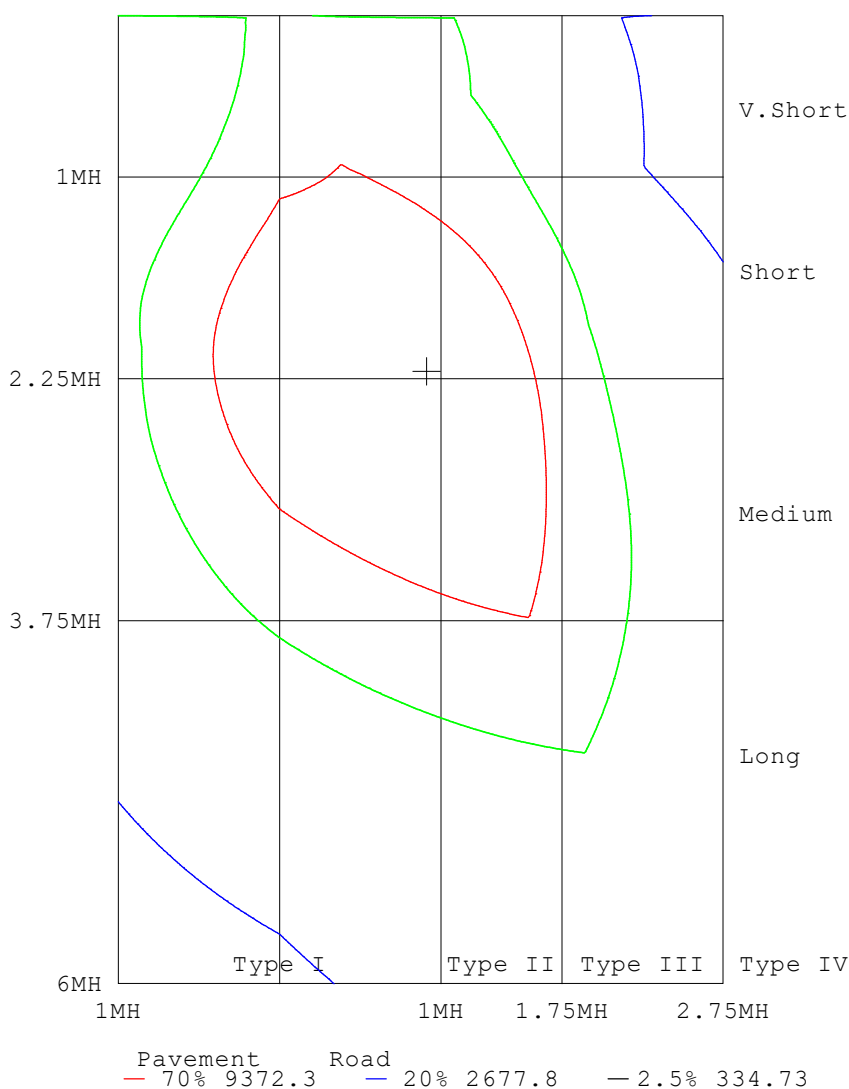
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 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: 24.8°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:118.75V I:1.9454A P:230.97W PF:0.9998 Freq:60.01Hz Lamp Flux:32133.8x1 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	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764			
5	763	772	780	784	787	786	783	778	767	754	742	733	728	732	740	751			
10	764	781	789	792	796	798	800	793	773	745	716	694	685	692	712	739			
15	768	791	795	792	794	800	811	809	782	735	684	647	633	645	680	727			
20	773	800	794	784	785	797	819	826	793	724	649	598	581	595	644	713			
25	778	809	792	774	770	789	824	845	806	713	613	554	535	550	607	698			
30	785	818	790	757	750	775	828	861	821	704	581	515	495	511	571	683			
35	792	828	785	739	728	757	827	879	839	697	553	479	458	476	540	669			
40	801	839	779	721	708	738	828	904	865	695	529	446	424	443	513	659			
45	814	854	773	702	682	716	830	938	900	698	505	414	392	412	489	653			
50	831	872	765	674	648	686	834	991	954	707	484	384	364	382	466	649			
55	884	908	753	629	585	637	840	1075	1033	722	463	357	339	356	445	660			
60	981	983	732	524	437	533	843	1198	1126	728	437	331	317	332	422	682			
65	1064	1089	691	342	259	357	808	1321	1179	686	385	298	287	302	391	681			
70	938	1074	558	196	142	209	658	1302	1045	543	291	219	188	234	310	540			
75	631	835	317	105	79.7	112	401	1033	710	324	179	103	82.2	110	170	322			
80	325	547	128	53.7	42.2	55.9	163	517	270	127	76.3	43.4	38.2	45.9	67.7	146			
85	70.8	157	32.1	18.8	16.5	21.3	33.2	122	54.3	27.2	15.5	12.4	11.4	12.4	14.9	34.3			
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: 24.8℃  
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: