

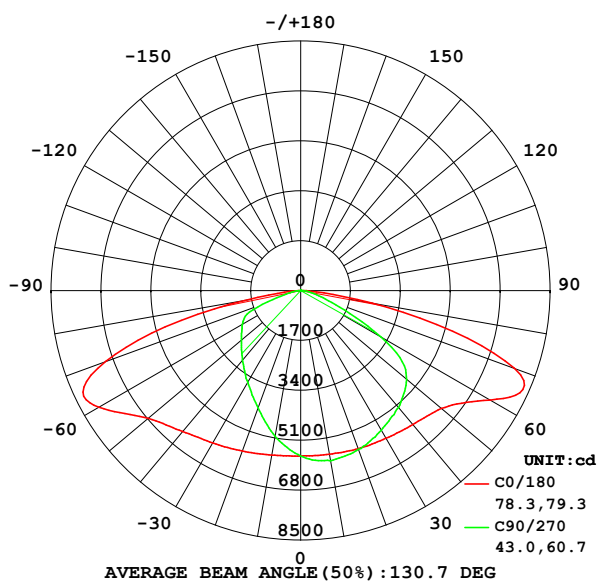
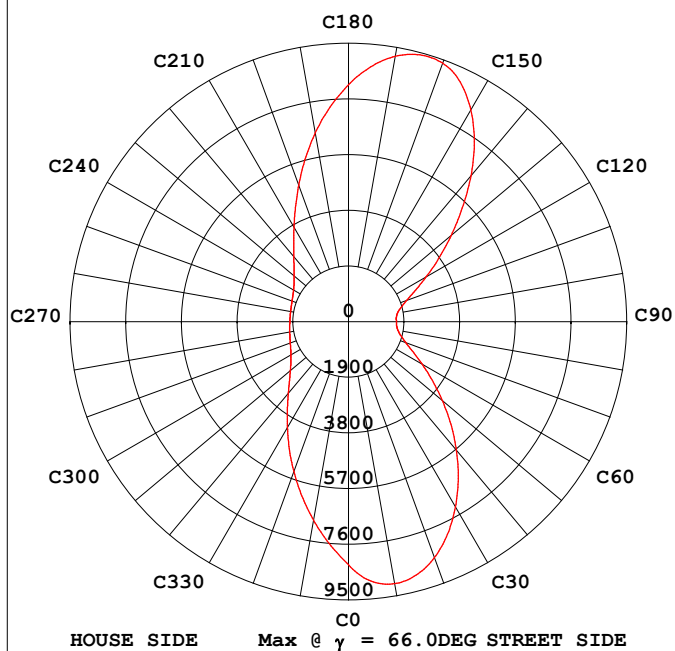
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz

Lamp Flux:23450x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 161.56 lm/W
MODEL	AL-240WS-3CS-T3	Imax (cd)	9264	$\eta$ street_up (%)	0.0	
NOMINAL POWER (W)	150	LOR (%)	99.8	$\eta$ street_down (%)	58.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	23397	$\eta$ house_up (%)	0.0	
NOMINAL FLUX (lm)	23450	MAXIMUM @ (C, $\gamma$ )	158,66.0	$\eta$ house_down (%)	41.2	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.8	SLI	24.880	

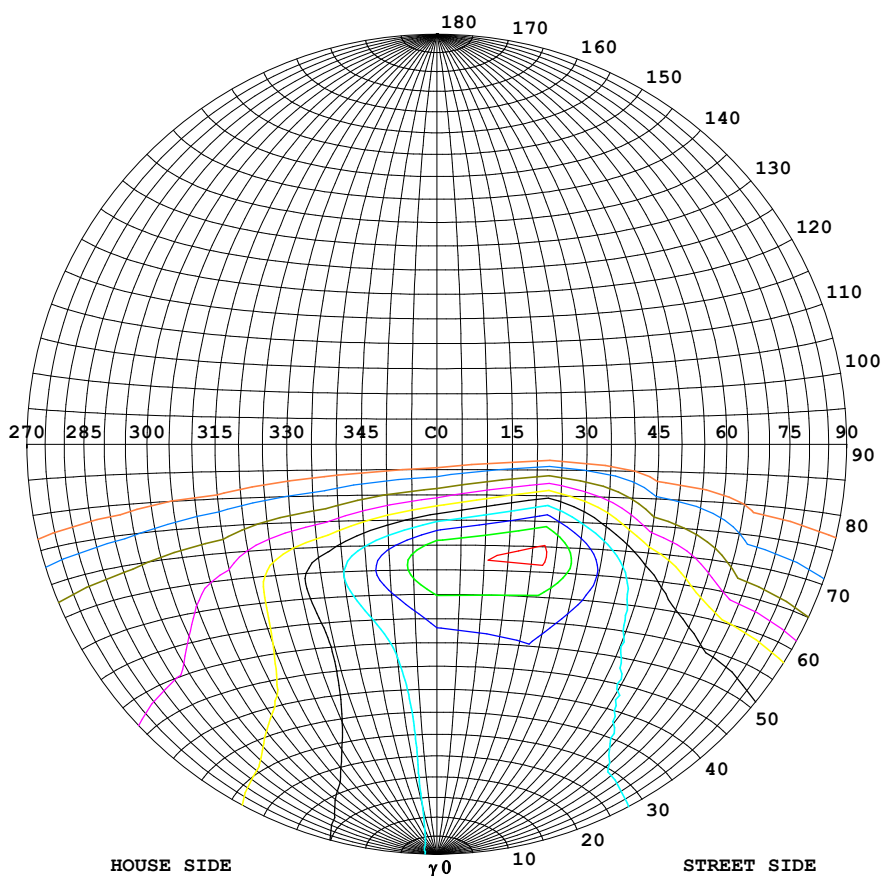
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0 °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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



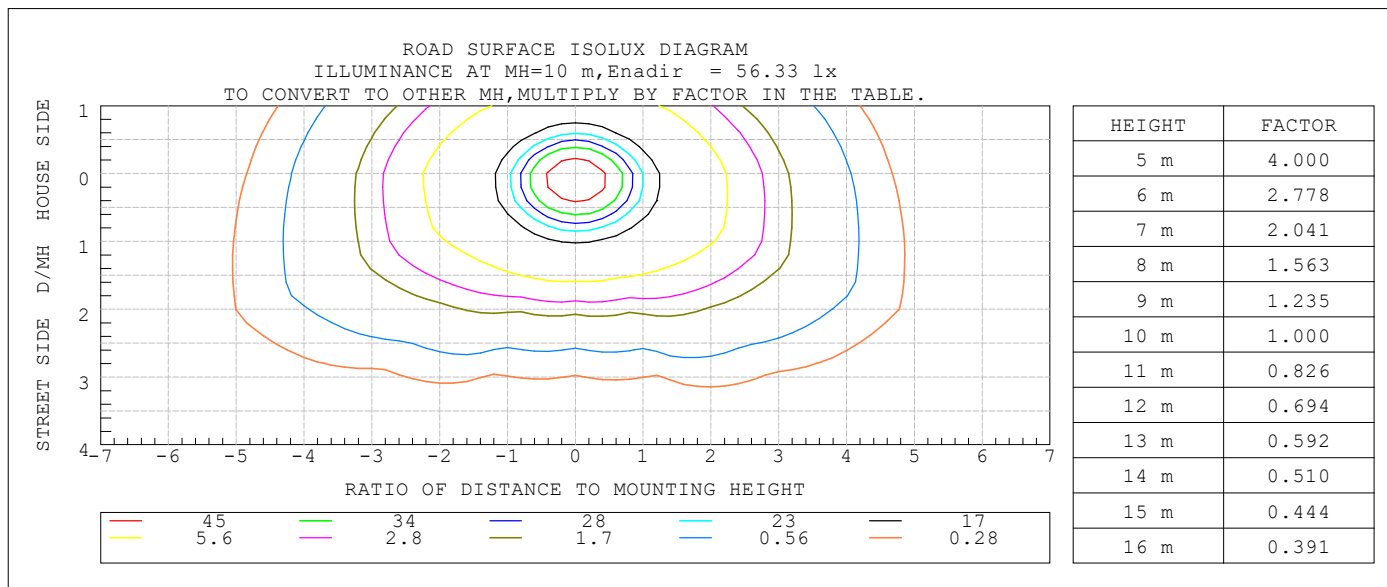
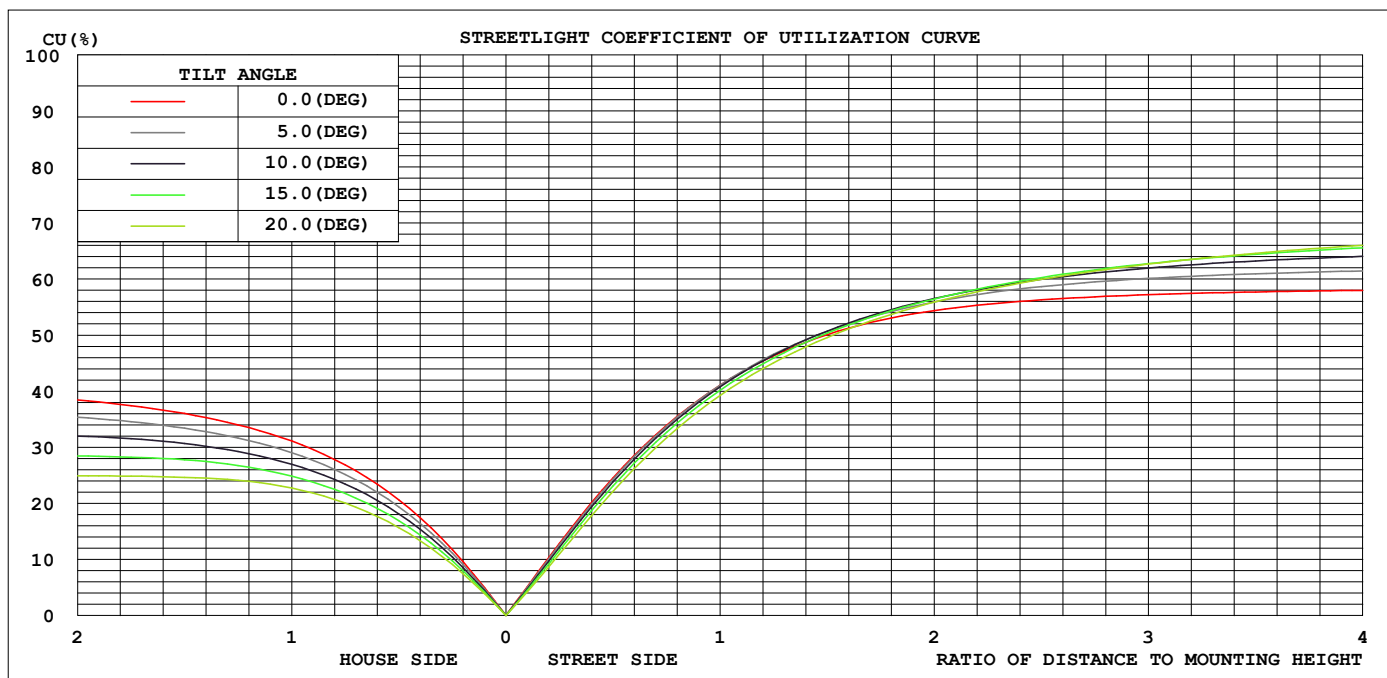
## Classification:

IES:Type III - Short  
CIE:Average - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:185.4cd/klm  
Max.At90:0cd/klm  
Max.80-90:185.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9264
90%	8337
80%	7411
70%	6484
60%	5558
50%	4632
40%	3705
30%	2779
20%	1853
10%	926
5%	463

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0 °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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0℃  
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:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

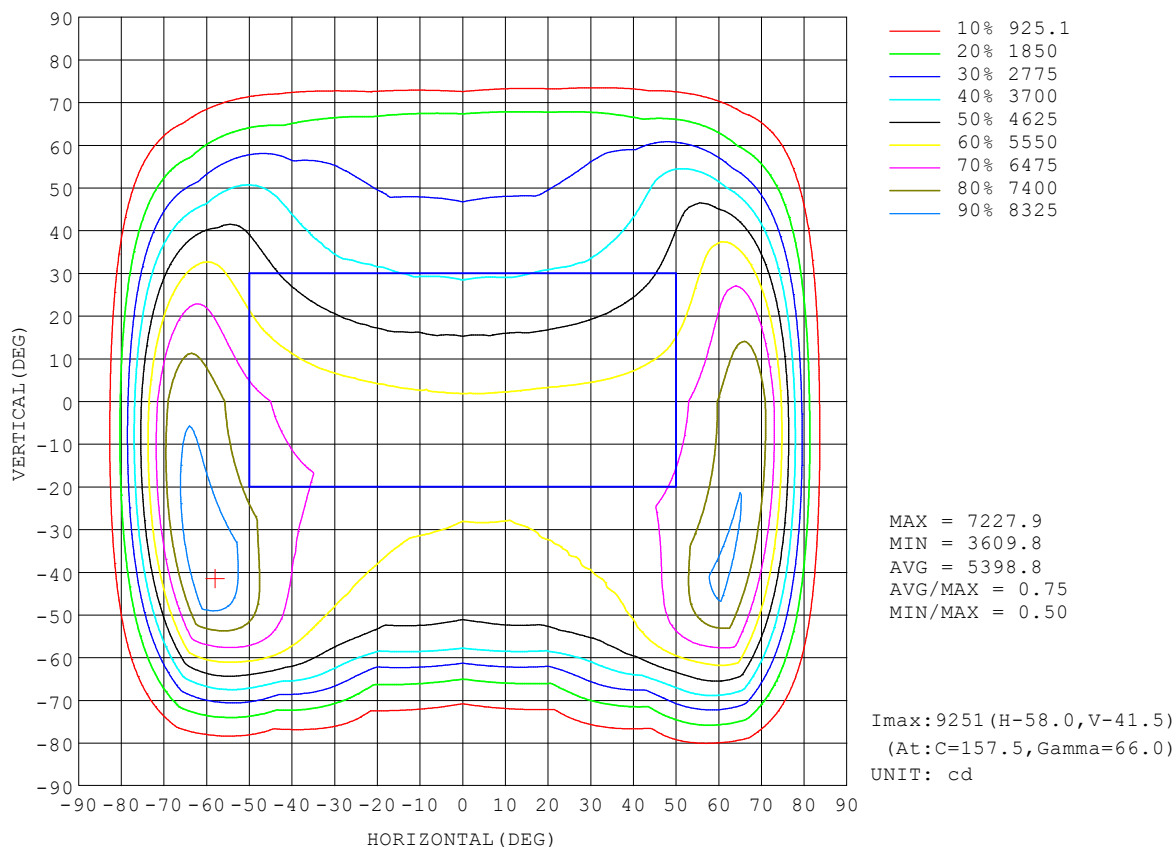
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5658	5854	5887	5891	5691	5252	5038	5255	0- 10	534.4	534.4	2.28,2.28
20	5730	5857	5762	6017	5819	4743	4254	4747	10- 20	1548	2082	8.9,8.88
30	5812	5820	5496	6029	5992	4224	3610	4195	20- 30	2430	4512	19.3,19.2
40	5954	5700	5200	5989	6266	3817	3086	3761	30- 40	3171	7683	32.8,32.8
50	6254	5603	4714	6001	6779	3468	2640	3422	40- 50	3798	11481	49.1,49
60	7458	5407	3154	5930	7947	3109	2295	3136	50- 60	4340	15821	67.6,67.5
70	7739	4043	1020	4509	7071	2088	1394	2343	60- 70	4461	20282	86.7,86.5
80	2471	1011	302.8	1044	1947	518.1	278.5	560.3	70- 80	2674	22956	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	440.9	23397	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	23397	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	23397	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	23397	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	23397	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	23397	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	23397	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	23397	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	23397	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	23397	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0℃  
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

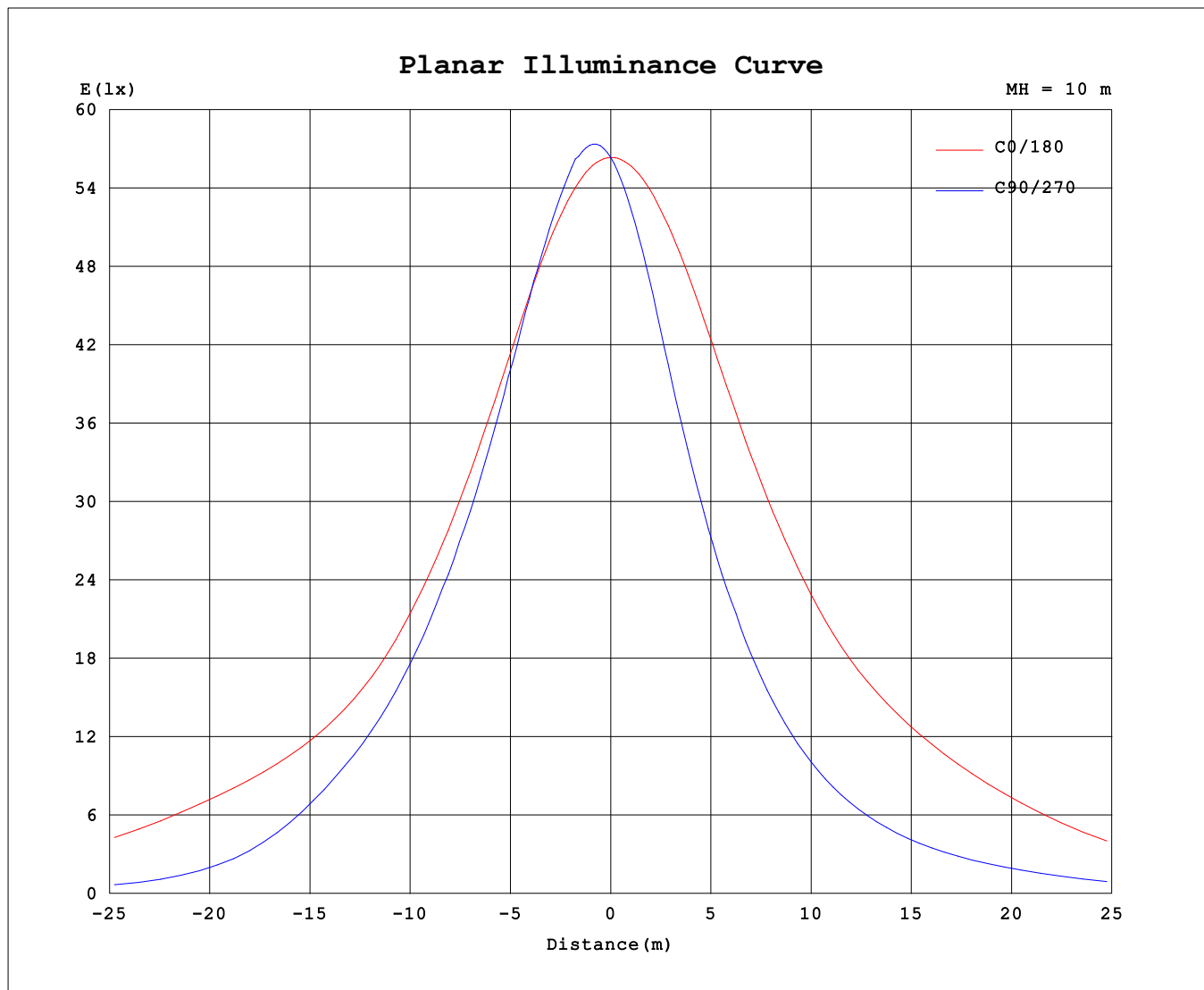
Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0°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



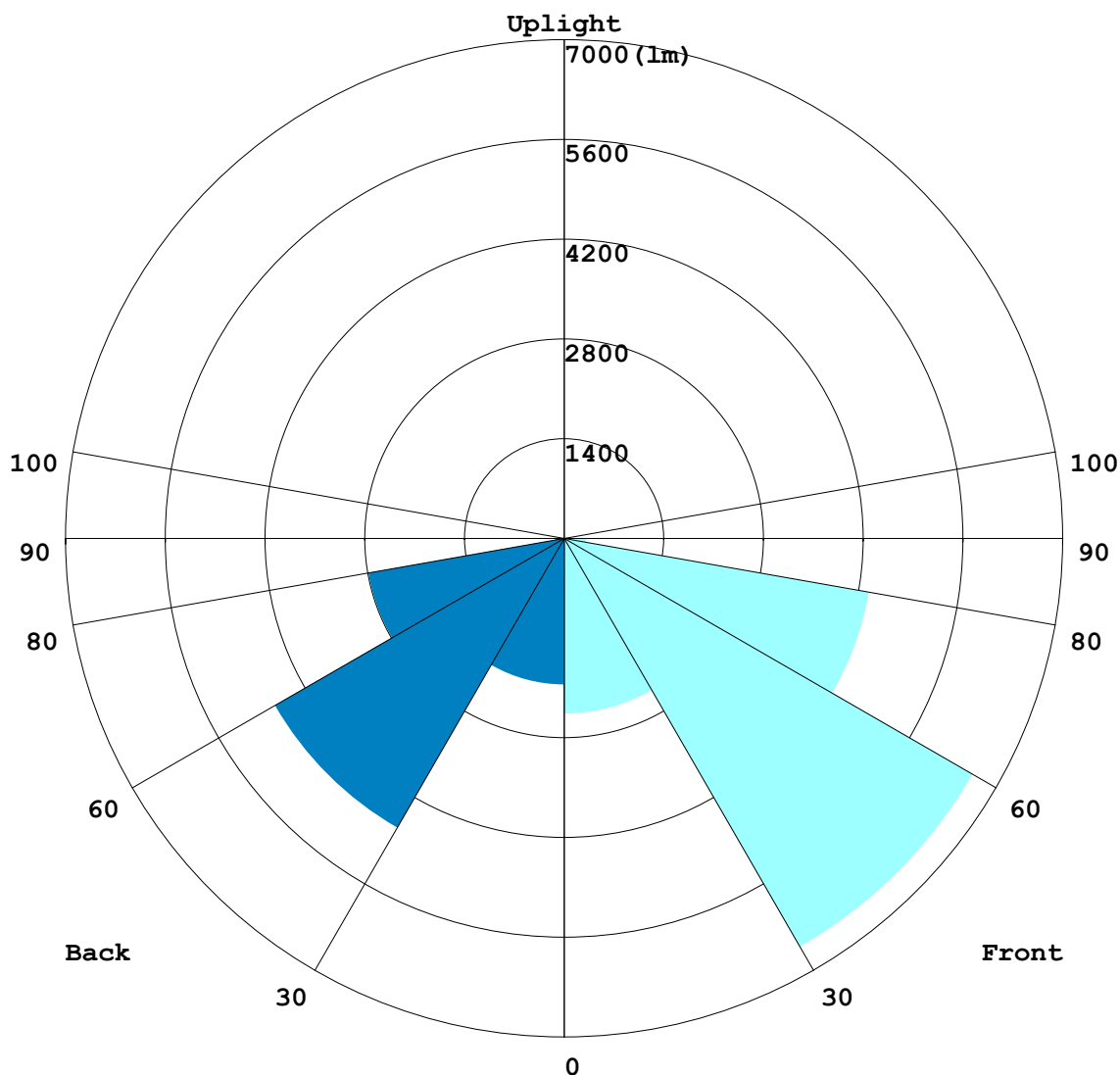
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.0 °C  
 Operators: DAMIN  
 Test Date: 2024-12-24

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:

**LCS REPORT**

Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 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: 25.0 °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:

### BUG REPORT

Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 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)	2462.2	10.5
FM - Front-Medium(30-60)	6622.4	28.3
FH - Front-High(60-80)	4345.6	18.6
FVH - Front-Very High(80-90)	312.72	1.3
Total Forward Light	13743	58.7

BL - Back-Low(0-30)	2049.5	8.8
BM - Back-Medium(30-60)	4687	20.0
BH - Back-High(60-80)	2789.3	11.9
BVH - Back-Very High(80-90)	128.15	0.5
Total Back Light	9653.9	41.3

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	9653.9	0	9653.9
Street Side	13743	0	13743

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.0℃  
Operators:DAMIN  
Test Date:2024-12-24

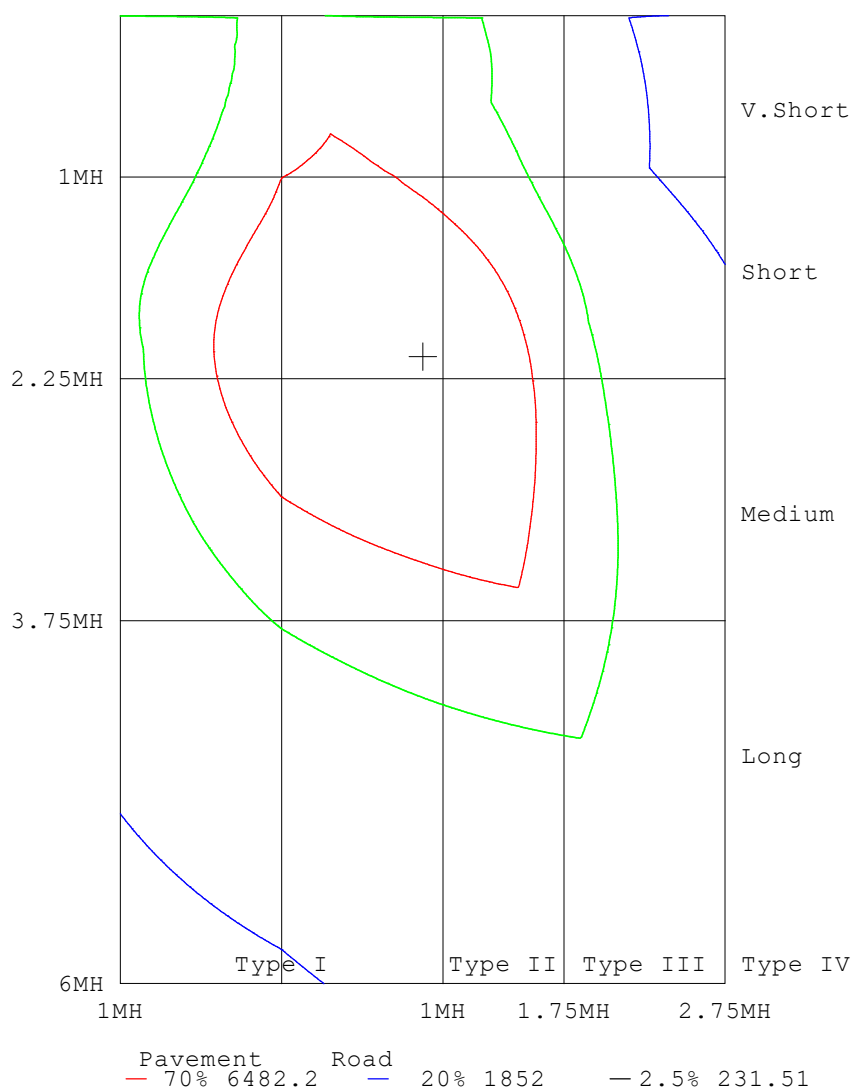
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 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: 25.0 °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:119.18V I:1.2159A P:144.82W PF:0.9994 Freq:60.01Hz Lamp Flux:23450x1 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	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634	5634			
5	5640	5707	5756	5805	5804	5796	5776	5733	5651	5558	5461	5397	5368	5394	5461	5549			
10	5658	5782	5854	5846	5887	5882	5891	5840	5691	5470	5252	5098	5038	5098	5255	5466			
15	5693	5853	5866	5832	5841	5893	5970	5951	5744	5382	5017	4740	4642	4742	5021	5376			
20	5730	5919	5857	5763	5762	5856	6017	6069	5819	5284	4743	4385	4254	4372	4747	5271			
25	5771	5984	5831	5672	5642	5776	6030	6182	5899	5188	4487	4062	3920	4038	4464	5155			
30	5812	6045	5820	5544	5496	5659	6029	6289	5992	5103	4224	3754	3610	3736	4195	5037			
35	5873	6108	5754	5405	5333	5523	6010	6396	6105	5034	4027	3489	3340	3478	3964	4939			
40	5954	6186	5700	5272	5200	5378	5989	6540	6266	4996	3817	3237	3086	3226	3761	4872			
45	6067	6305	5647	5125	4977	5206	5976	6748	6475	4986	3643	3014	2851	3003	3581	4842			
50	6254	6467	5603	4919	4714	4966	6001	7039	6779	5003	3468	2774	2640	2788	3422	4851			
55	6692	6781	5517	4568	4230	4586	5984	7570	7310	5072	3306	2578	2458	2585	3275	4961			
60	7458	7366	5407	3795	3154	3810	5930	8396	7947	5098	3109	2388	2295	2408	3136	5144			
65	8238	8175	5061	2473	1859	2525	5634	9202	8185	4774	2746	2148	2086	2204	2930	5209			
70	7739	8369	4043	1420	1020	1466	4509	8773	7071	3653	2088	1591	1394	1733	2343	4412			
75	5365	7017	2356	759	572	783	2615	6701	4775	2175	1227	748	606	825	1361	2715			
80	2471	4348	1011	388	303	392	1044	3517	1947	913	518	310	279	345	560	1134			
85	542	1242	249	145	118	142	231	797	361	182	108	83.8	83.8	102	118	282			
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: 25.0℃  
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: