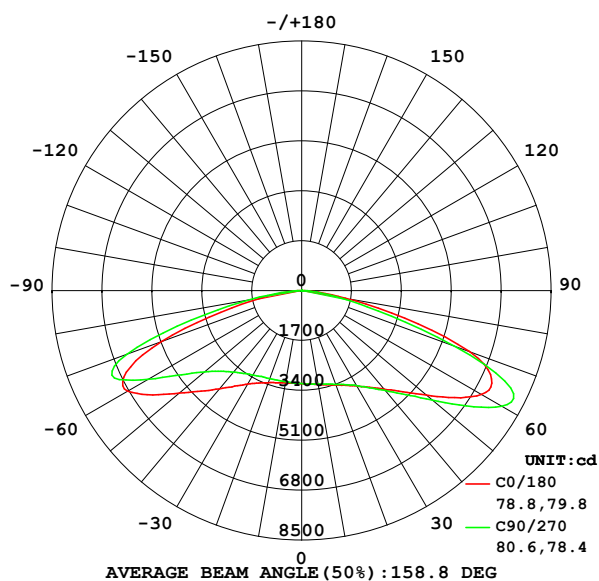
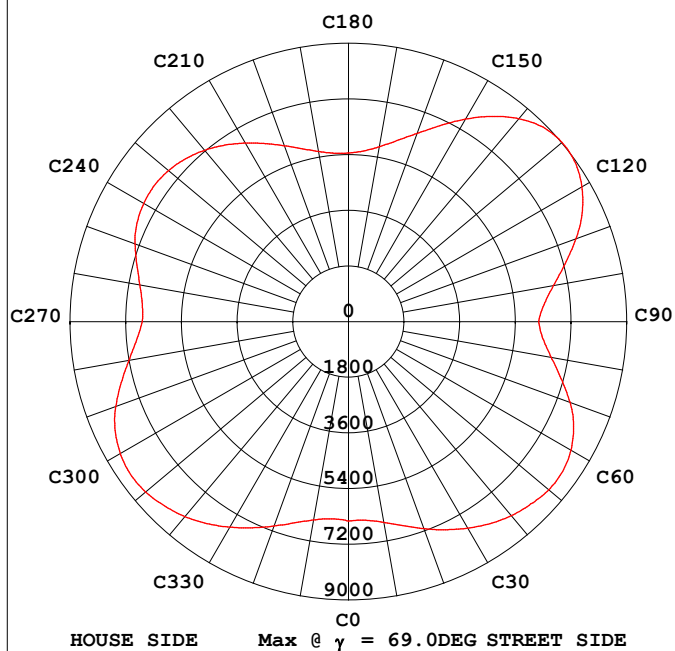


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.42 lm/W			
MODEL	AL-240WS-3CS-T5	Imax (cd)	8896	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	100.0	$\eta$ street_down (%)	51.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	27482	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	27481.7	MAXIMUM @ (C, $\gamma$ )	135,69.0	$\eta$ house_down (%)	48.2
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	100.0	SLI	23.980

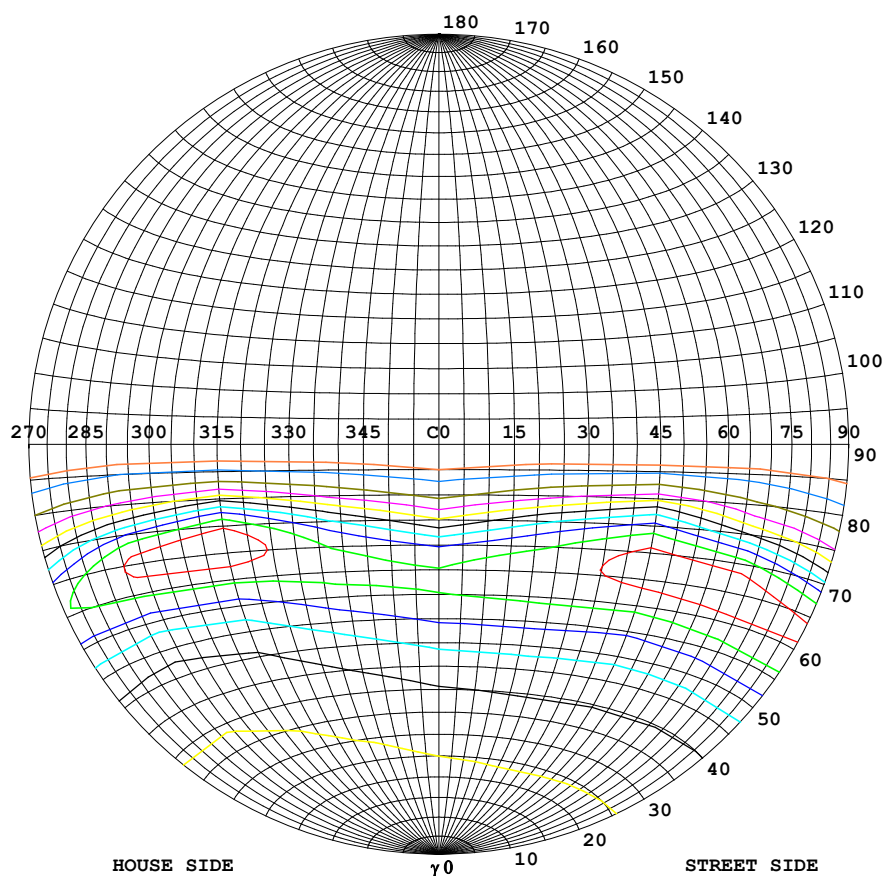
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8 °C  
Operators:DAMIN  
Test Date:2024-12-22

$\gamma$  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:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



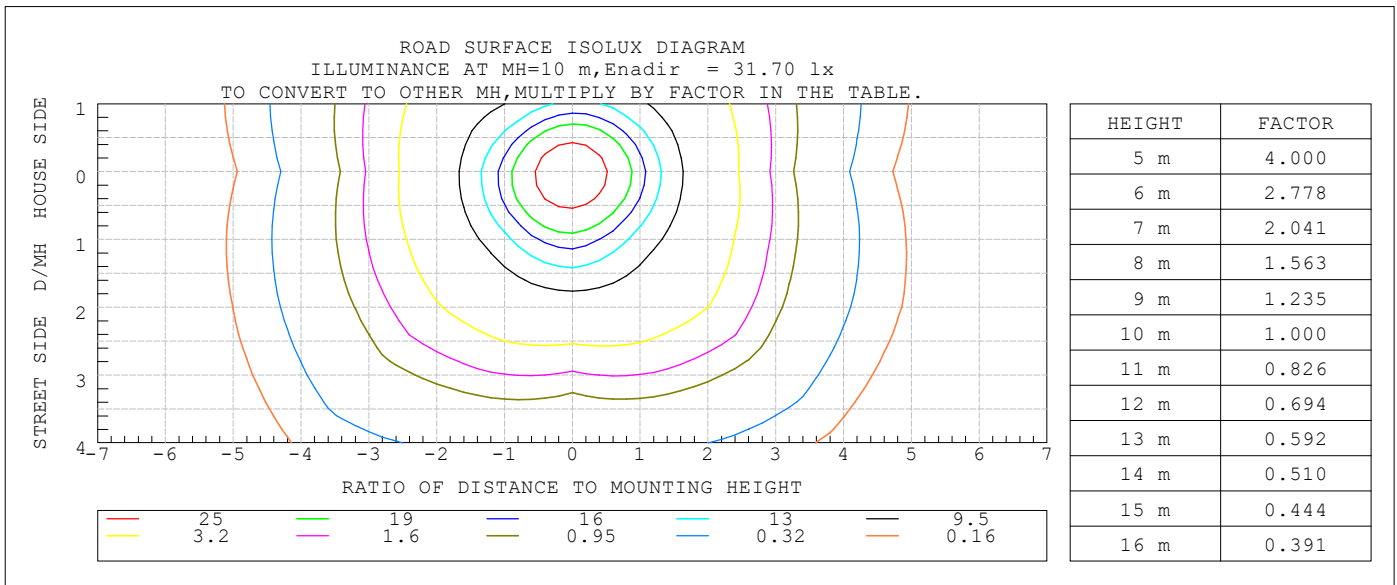
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:151.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:151.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8896
90%	8006
80%	7117
70%	6227
60%	5337
50%	4448
40%	3558
30%	2669
20%	1779
10%	890
5%	445

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

$\gamma$  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:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

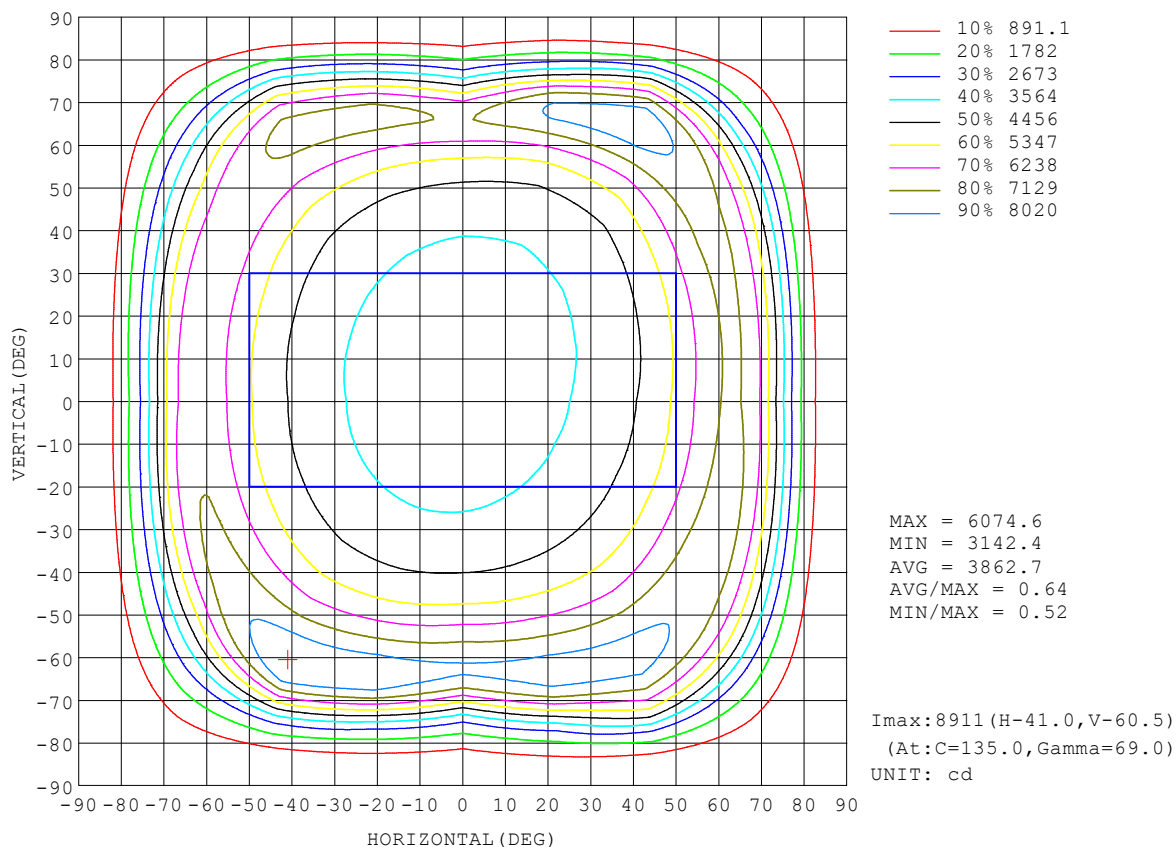
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3251	3260	3232	3203	3192	3161	3150	3194	0- 10	304.5	304.5	1.11,1.11
20	3425	3462	3402	3357	3341	3251	3196	3266	10- 20	926.7	1231	4.48,4.48
30	3755	3839	3740	3678	3685	3475	3325	3440	20- 30	1604	2835	10.3,10.3
40	4390	4500	4446	4282	4371	3918	3630	3763	30- 40	2432	5268	19.2,19.2
50	5540	5571	5806	5281	5441	4691	4316	4363	40- 50	3567	8834	32.1,32.1
60	7083	7394	7871	7178	6855	6106	6044	5908	50- 60	5335	14170	51.6,51.6
70	6078	8214	5551	8786	5058	7465	6343	8592	60- 70	7272	21442	78,78
80	1523	3353	1163	2381	1315	3361	1783	4156	70- 80	5145	26587	96.7,96.7
90	0	0	0	0	0	0	0	0	80- 90	894.7	27482	100,100
100	0	0	0	0	0	0	0	0	90-100	0	27482	100,100
110	0	0	0	0	0	0	0	0	100-110	0	27482	100,100
120	0	0	0	0	0	0	0	0	110-120	0	27482	100,100
130	0	0	0	0	0	0	0	0	120-130	0	27482	100,100
140	0	0	0	0	0	0	0	0	130-140	0	27482	100,100
150	0	0	0	0	0	0	0	0	140-150	0	27482	100,100
160	0	0	0	0	0	0	0	0	150-160	0	27482	100,100
170	0	0	0	0	0	0	0	0	160-170	0	27482	100,100
180	0	0	0	0	0	0	0	0	170-180	0	27482	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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

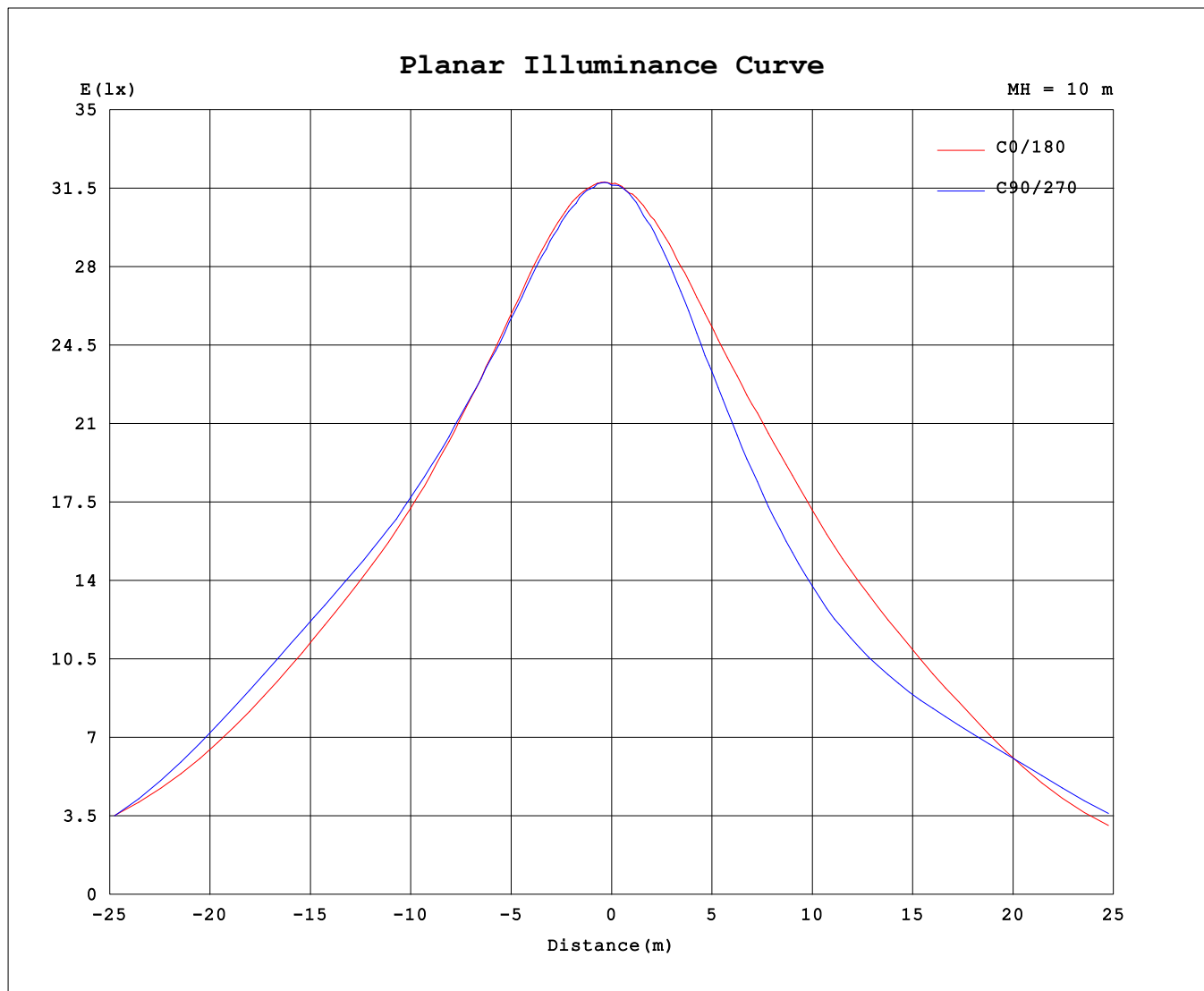
Test:U:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators: DAMIN  
Test Date: 2024-12-22

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



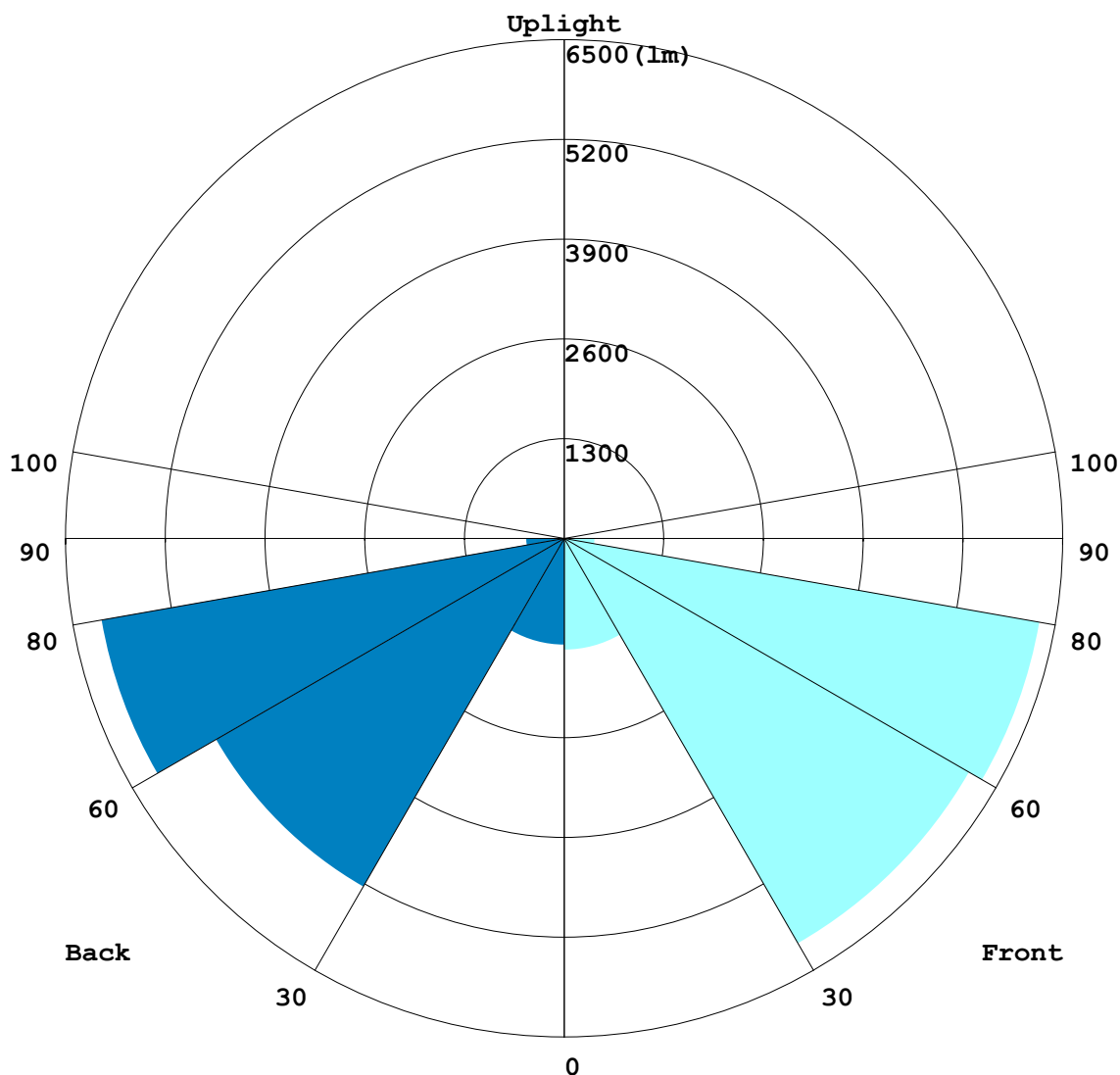
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 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: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1450	5.3
FM - Front-Medium(30-60)	6095	22.2
FH - Front-High(60-80)	6292	22.9
FVH - Front-Very High(80-90)	398.22	1.4
Total Forward Light	14235	51.8

BL - Back-Low(0-30)	1385.4	5.0
BM - Back-Medium(30-60)	5239.4	19.1
BH - Back-High(60-80)	6125.3	22.3
BVH - Back-Very High(80-90)	496.52	1.8
Total Back Light	13247	48.2

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13247	0	13247
Street Side	14235	0	14235

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

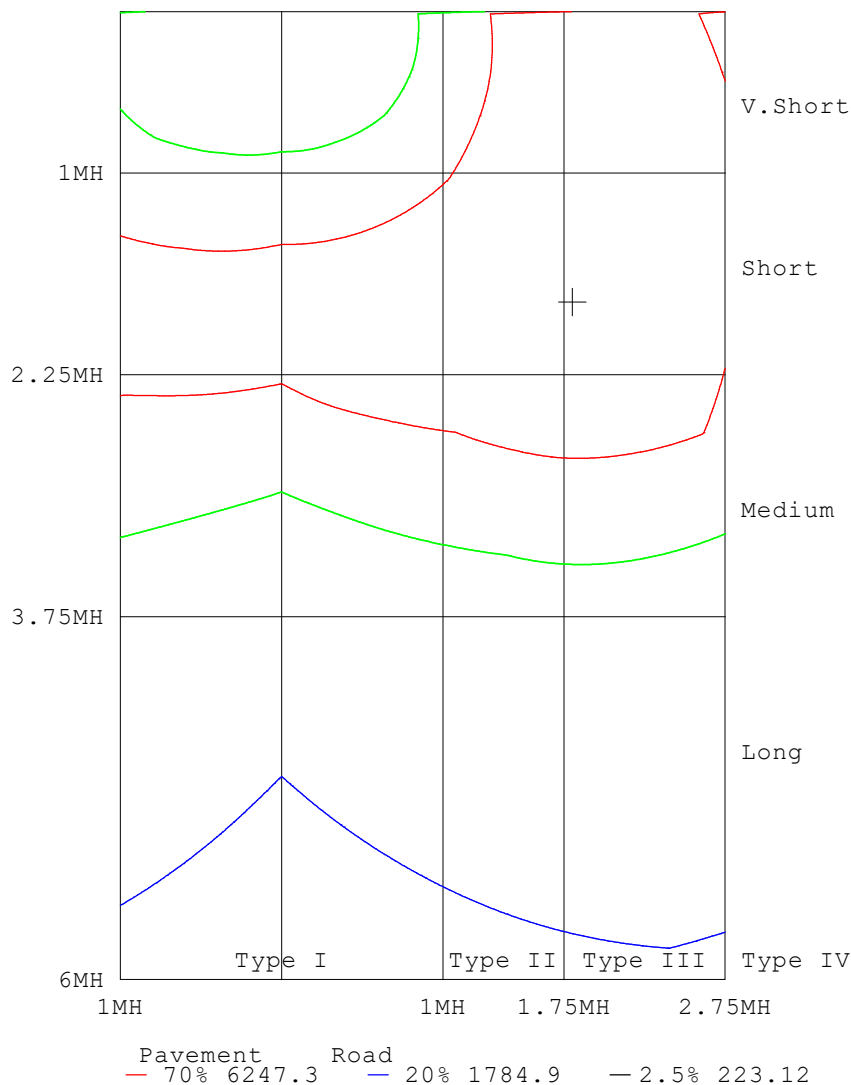
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 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: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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:118.93V I:1.6818A P:199.98W PF:0.9998 Freq:60.01Hz Lamp Flux:27481.7x1 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	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168	3168			
5	3199	3195	3208	3211	3195	3182	3186	3169	3163	3163	3155	3156	3166	3161	3179	3174			
10	3251	3261	3260	3257	3232	3221	3203	3197	3192	3167	3161	3149	3150	3161	3194	3219			
15	3323	3347	3345	3328	3297	3284	3271	3244	3251	3212	3196	3161	3168	3176	3224	3273			
20	3425	3459	3462	3427	3402	3371	3357	3338	3341	3283	3251	3206	3196	3217	3266	3349			
25	3559	3613	3622	3584	3537	3504	3480	3484	3480	3408	3344	3267	3234	3265	3339	3449			
30	3755	3827	3839	3800	3740	3695	3678	3690	3685	3593	3475	3362	3325	3344	3440	3595			
35	4030	4127	4124	4093	4045	3961	3936	3964	3976	3839	3663	3520	3451	3454	3574	3804			
40	4390	4510	4500	4485	4446	4331	4282	4348	4371	4176	3918	3727	3630	3616	3763	4081			
45	4872	5007	4960	5005	5017	4811	4696	4814	4845	4602	4239	4004	3898	3839	4008	4456			
50	5540	5661	5571	5728	5806	5513	5281	5396	5441	5143	4691	4429	4316	4184	4363	5000			
55	6365	6492	6391	6692	6846	6501	6094	6147	6198	5842	5309	5096	5002	4778	4948	5792			
60	7083	7306	7394	7756	7871	7726	7178	7000	6855	6577	6106	6039	6044	5801	5908	6716			
65	7140	7676	8237	8393	7853	8636	8440	7431	6592	6835	6999	7087	7040	7276	7297	7325			
70	6078	7051	8214	7475	5551	7674	8786	6401	5058	5957	7465	7365	6343	8211	8592	7058			
75	3642	5254	6514	4430	2712	4313	6137	4302	2865	4297	6277	5379	3894	6247	7817	5390			
80	1523	2405	3353	1941	1163	1783	2381	2146	1315	2303	3361	2613	1783	2845	4156	2517			
85	444	669	786	637	383	462	564	585	389	740	903	751	501	888	968	744			
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: HIGH  
Temperature: 24.8℃  
Operators:DAMIN  
Test Date:2024-12-22

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: