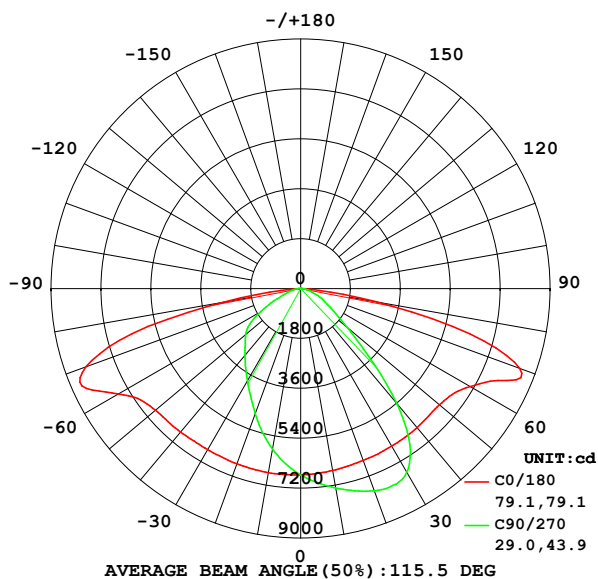
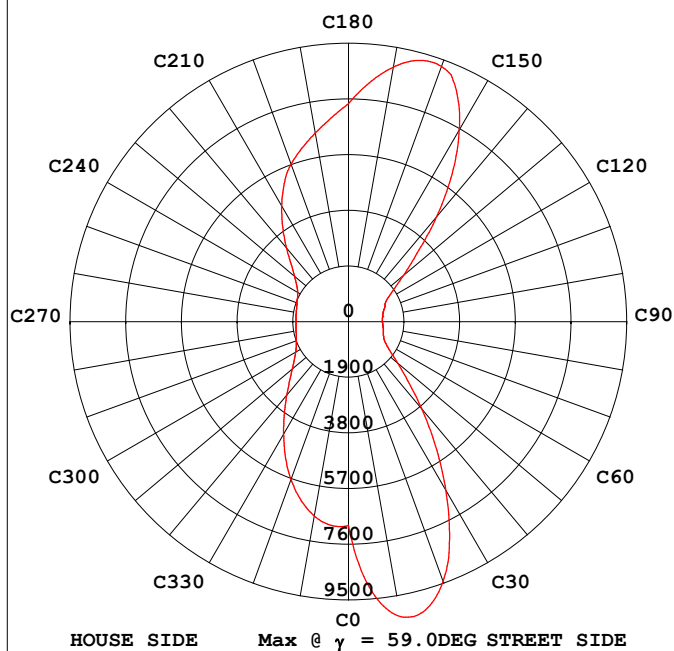


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.14 lm/W			
MODEL	AL-240WS-3CS-T2	I <sub>max</sub> (cd)	9132	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	56.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	23051	η house_up (%)	0.0
NOMINAL FLUX (lm)	23104.4	MAXIMUM @ (C, γ )	158,59.0	η house_down (%)	43.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.231

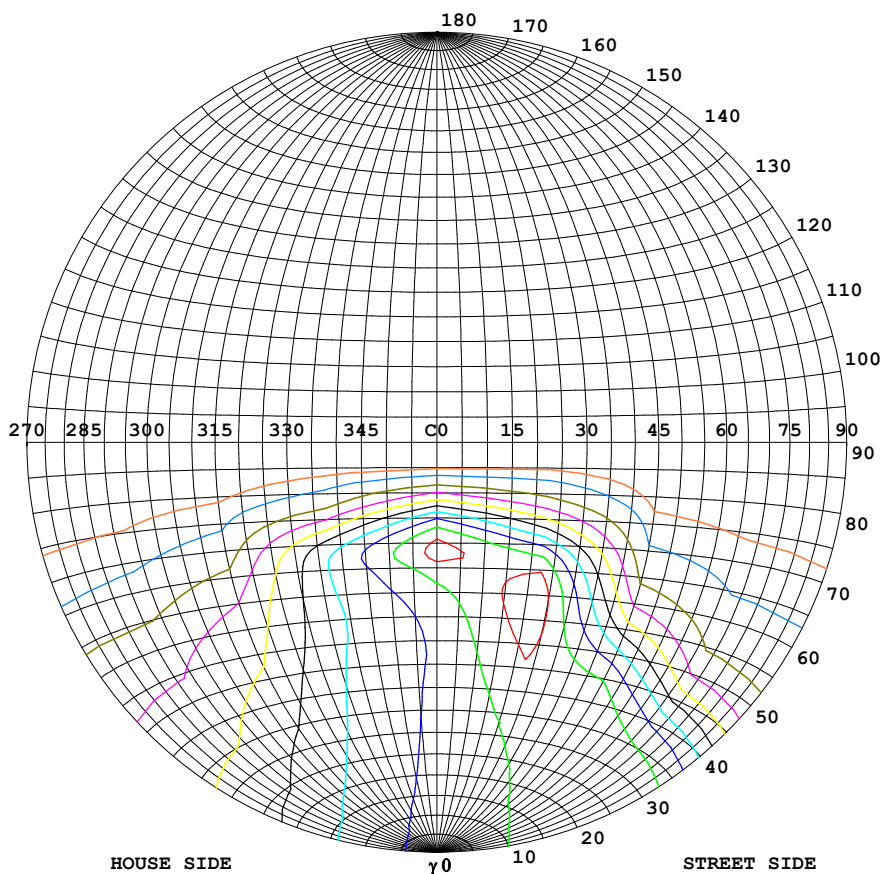
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



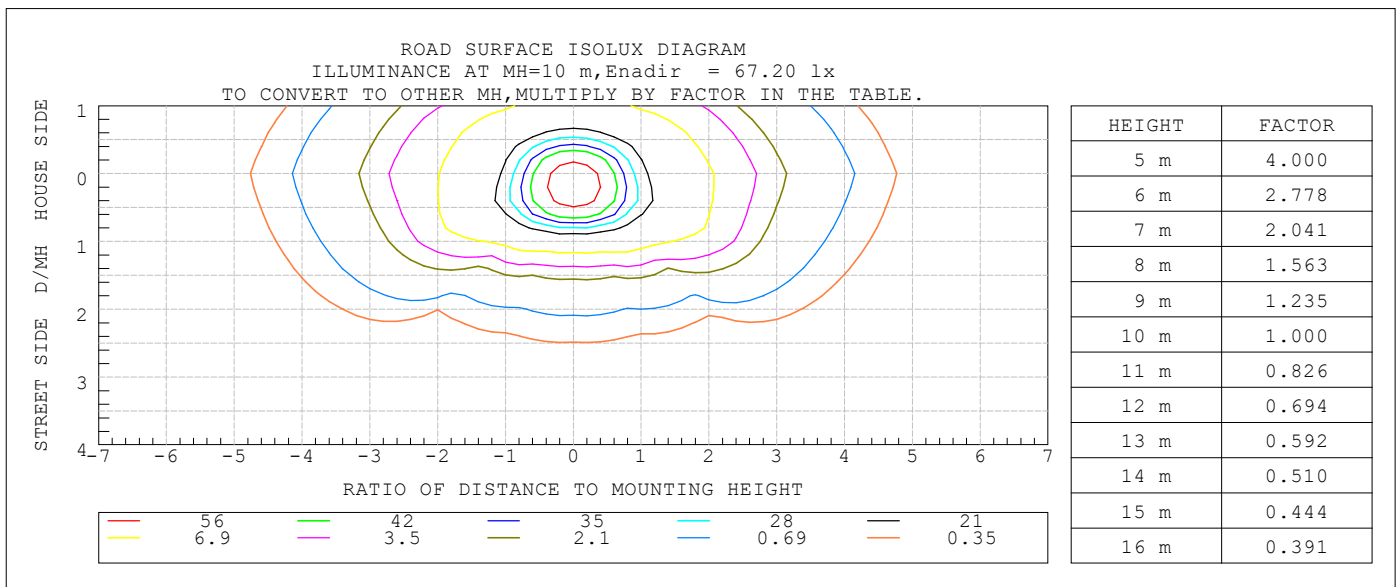
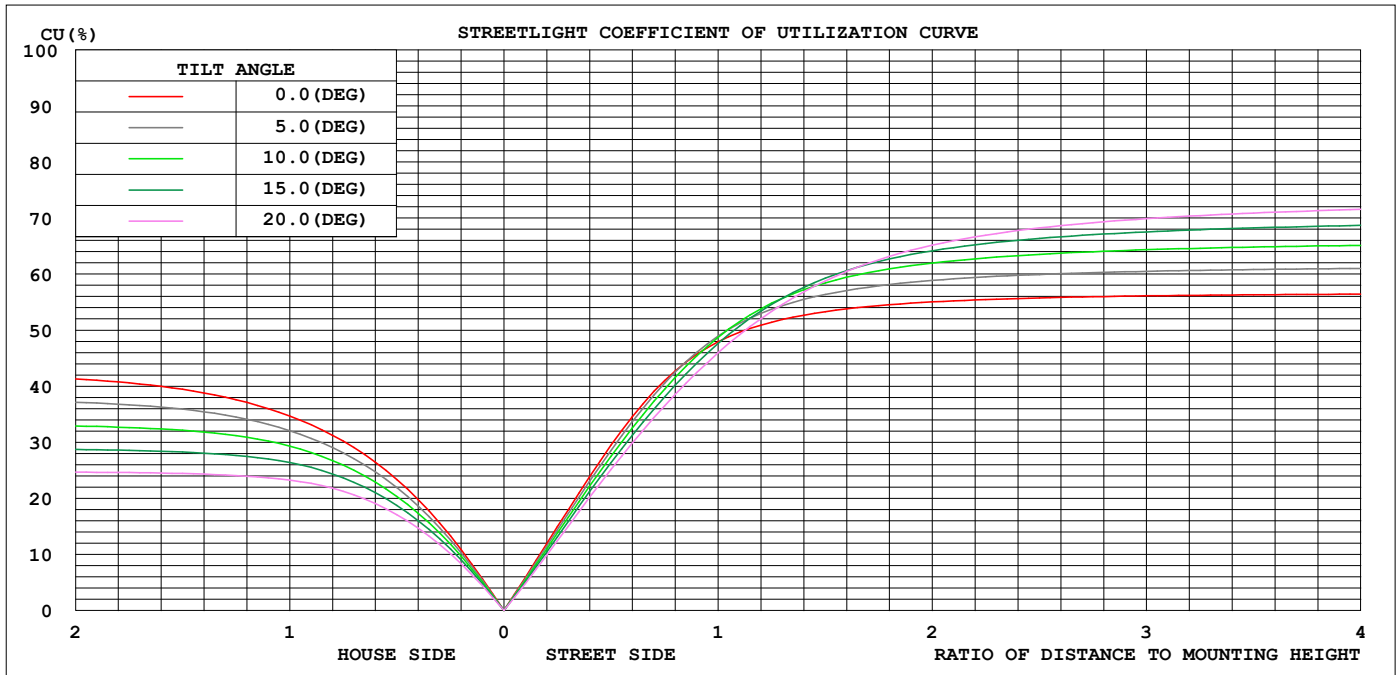
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:121.5cd/klm  
Max.At90:0cd/klm  
Max.80-90:121.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9132
90%	8219
80%	7306
70%	6392
60%	5479
50%	4566
40%	3653
30%	2740
20%	1826
10%	913
5%	457

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

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: 25.5°C  
Operators:DAMIN  
Test Date:2024-12-25

$\gamma$  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:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

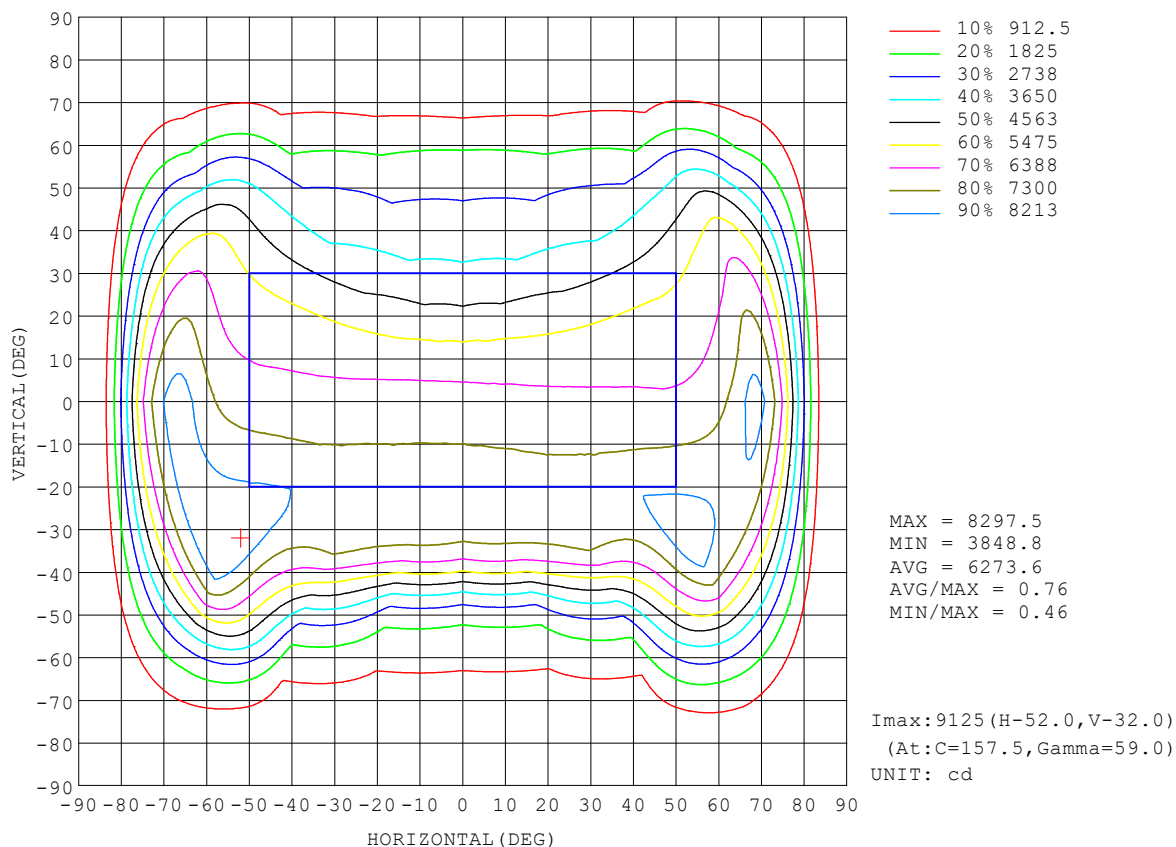
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6662	7104	7303	7154	6742	6178	5879	6146	0- 10	637.7	637.7	2.77,2.76
20	6596	7465	7762	7562	6728	5498	4805	5524	10- 20	1861	2499	10.8,10.8
30	6563	7868	7654	8025	6712	4824	3849	4867	20- 30	2961	5460	23.7,23.6
40	6542	7911	5372	8067	6751	4129	3128	4168	30- 40	3811	9271	40.2,40.1
50	6534	5838	2216	6188	6834	3440	2593	3482	40- 50	4065	13336	57.9,57.7
60	7065	2616	1086	3022	7600	2655	1669	2749	50- 60	3889	17225	74.7,74.6
70	8401	1008	550.4	1131	8242	1280	635.4	1332	60- 70	3538	20763	90.1,89.9
80	2773	292.1	216.5	302.5	2806	366.9	249.5	367.0	70- 80	1998	22761	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	290.6	23051	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	23051	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	23051	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	23051	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	23051	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	23051	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	23051	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	23051	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	23051	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	23051	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

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

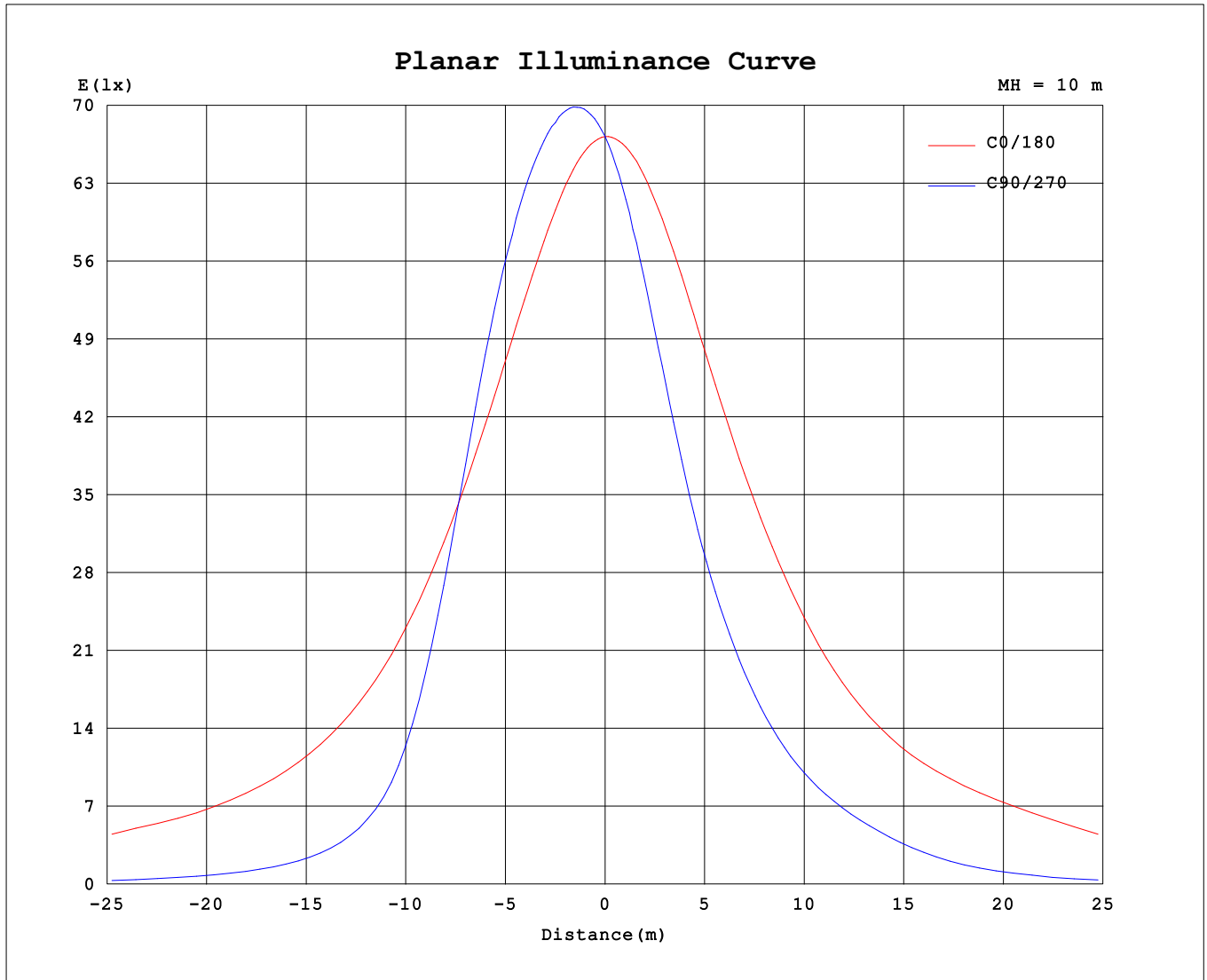
Test:U:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5°C  
Operators: DAMIN  
Test Date: 2024-12-25

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



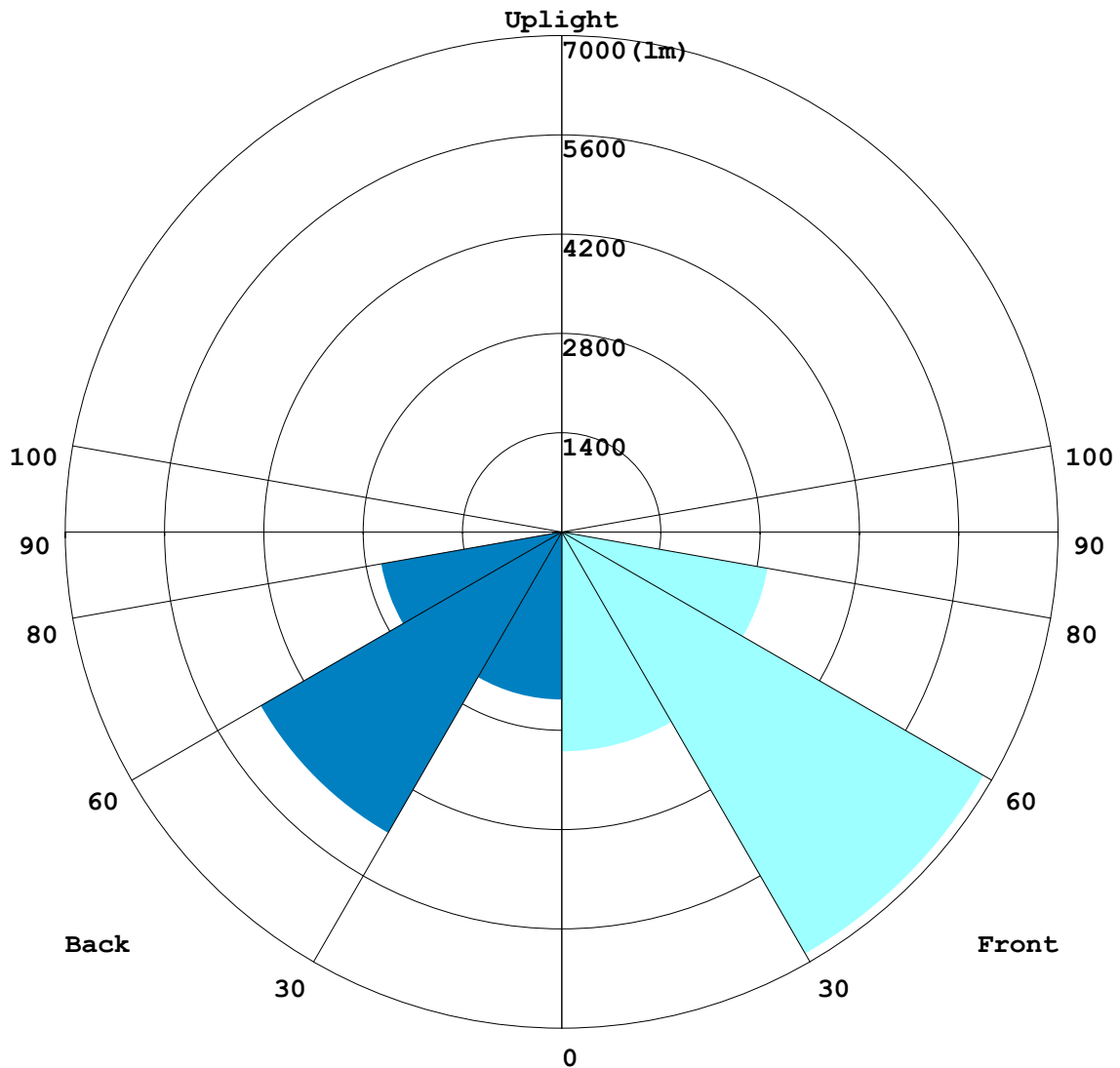
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.5°C  
 Operators:DAMIN  
 Test Date:2024-12-25

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:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 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: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

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:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 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)	3097.1	13.4
FM - Front-Medium(30-60)	6866.8	29.8
FH - Front-High(60-80)	2949.3	12.8
FVH - Front-Very High(80-90)	154.7	0.7
Total Forward Light	13068	56.7

BL - Back-Low(0-30)	2363	10.3
BM - Back-Medium(30-60)	4898.2	21.2
BH - Back-High(60-80)	2586.3	11.2
BVH - Back-Very High(80-90)	135.91	0.6
Total Back Light	9983.4	43.3

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	9983.4	0	9983.4
Street Side	13068	0	13068

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

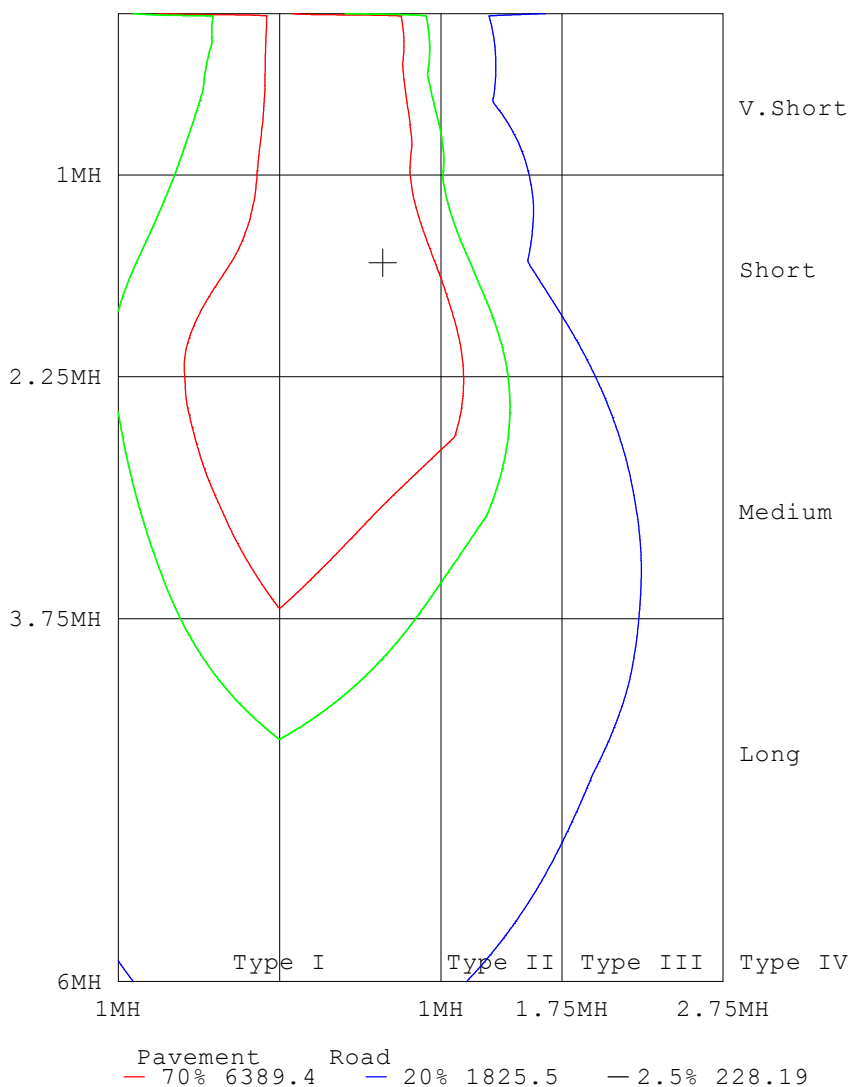
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 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: 25.5°C  
Operators:DAMIN  
Test Date:2024-12-25

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:119.16V I:1.2087A P:143.95W PF:0.9994 Freq:60.01Hz Lamp Flux:23104.4x1 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	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720	6720			
5	6694	6817	6920	6992	7024	7009	6951	6854	6734	6602	6473	6383	6340	6369	6446	6565			
10	6662	6903	7104	7247	7303	7274	7154	6950	6742	6462	6178	5965	5879	5952	6146	6395			
15	6626	6978	7283	7483	7557	7521	7359	7085	6737	6323	5844	5481	5352	5494	5836	6250			
20	6596	7067	7465	7687	7762	7742	7562	7196	6728	6186	5498	4983	4805	5019	5524	6115			
25	6583	7169	7653	7834	7837	7912	7791	7313	6716	6059	5149	4493	4282	4525	5200	5985			
30	6563	7300	7868	7798	7654	7901	8025	7420	6712	5956	4824	4055	3849	4070	4867	5877			
35	6553	7495	8023	7338	6869	7429	8183	7596	6718	5865	4482	3657	3468	3669	4517	5775			
40	6542	7750	7911	6174	5372	6257	8067	7892	6751	5779	4129	3288	3128	3305	4168	5677			
45	6518	8084	7237	4371	3520	4489	7429	8256	6780	5676	3777	2954	2833	2978	3821	5565			
50	6534	8448	5838	2684	2216	2802	6188	8650	6834	5554	3440	2664	2593	2697	3482	5444			
55	6667	8792	4100	1749	1497	1832	4581	9000	7026	5485	3106	2322	2252	2370	3147	5397			
60	7065	8858	2616	1214	1086	1265	3022	9124	7600	5523	2655	1781	1669	1804	2749	5453			
65	7852	8106	1633	879	818	905	1878	8640	8525	5433	1980	1206	1088	1217	2073	5570			
70	8401	6248	1008	635	550	650	1131	6755	8242	4292	1280	762	635	779	1332	4924			
75	6318	3721	605	402	354	407	654	3633	6297	2407	763	464	412	473	795	2696			
80	2773	1616	292	220	217	224	303	1446	2806	987	367	260	249	262	367	1047			
85	390	396	90.3	81.7	92.3	83.8	93.6	357	462	235	89.4	86.5	87.1	87.4	85.3	252			
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: 25.5℃  
Operators:DAMIN  
Test Date:2024-12-25

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: