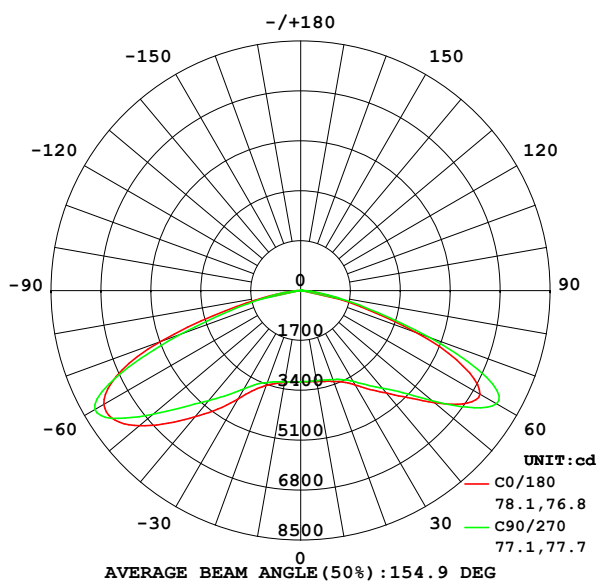
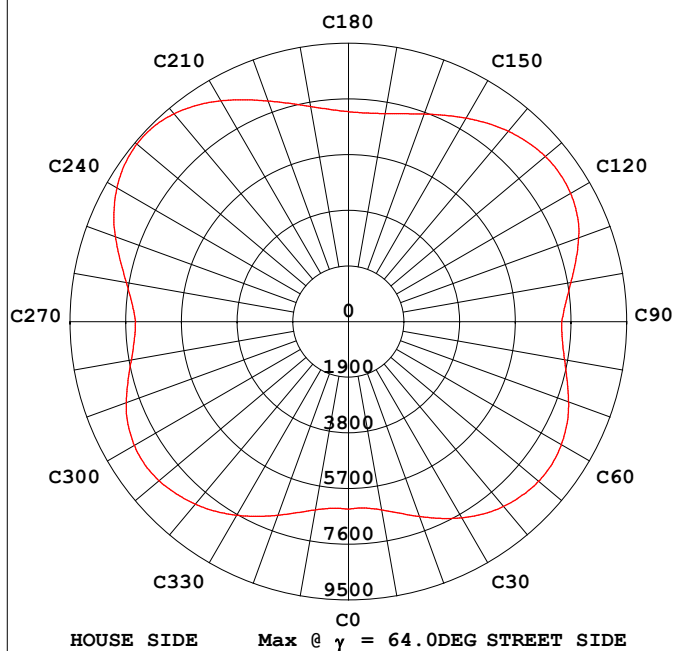


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.91 lm/W			
MODEL	AL-300WS-3CS	I <sub>max</sub> (cd)	9412	η street_up (%)	0.2
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	48.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28255	η house_up (%)	0.1
NOMINAL FLUX (lm)	28254.8	MAXIMUM @ (C, γ )	225,64.0	η house_down (%)	50.9
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.418

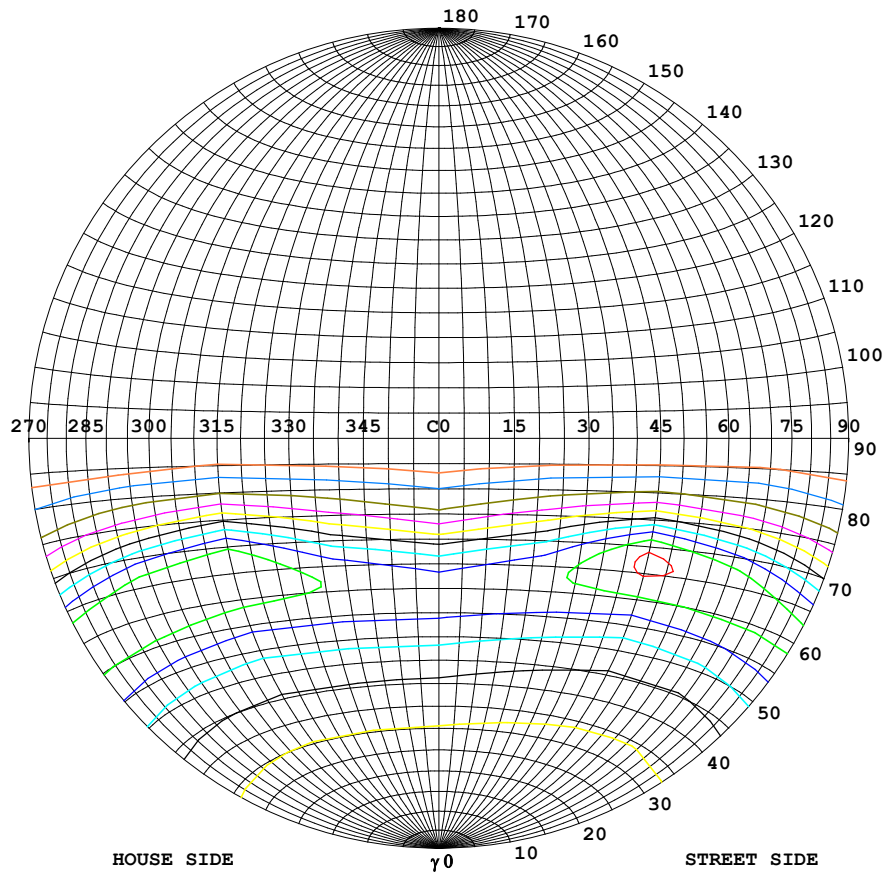
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



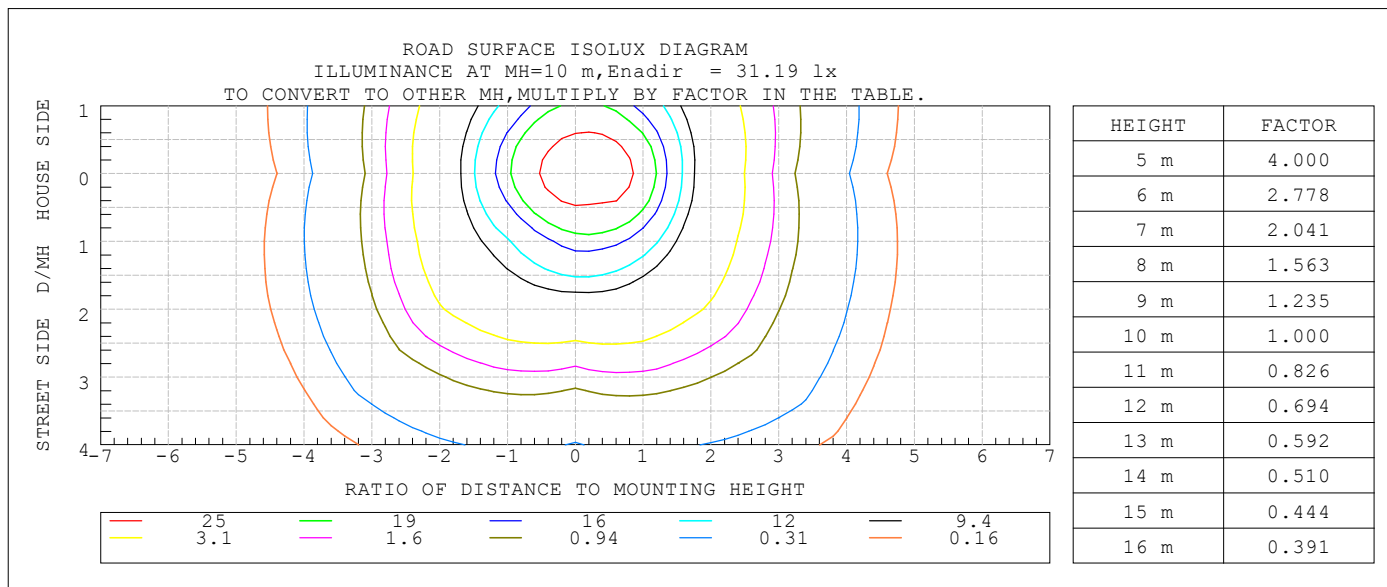
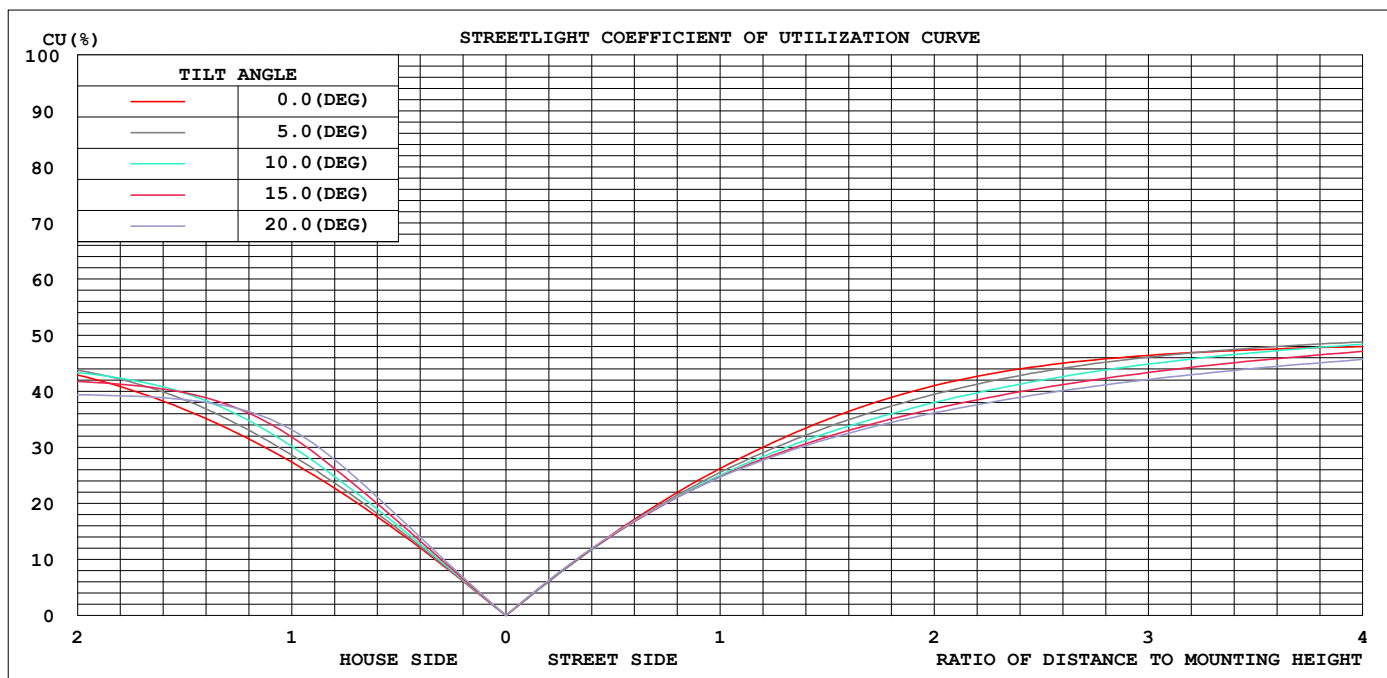
## Classification:

IES:Type VS - Short  
CIE:Broad - Intermediate  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:86.60cd/klm  
Max.At90:0.5868cd/klm  
Max.80-90:86.60cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9412
90%	8471
80%	7529
70%	6588
60%	5647
50%	4706
40%	3765
30%	2824
20%	1882
10%	941
5%	471

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-04-24

$\gamma$  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=0.4205]  
Remarks:

### ZONAL FLUX DIAGRAM

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

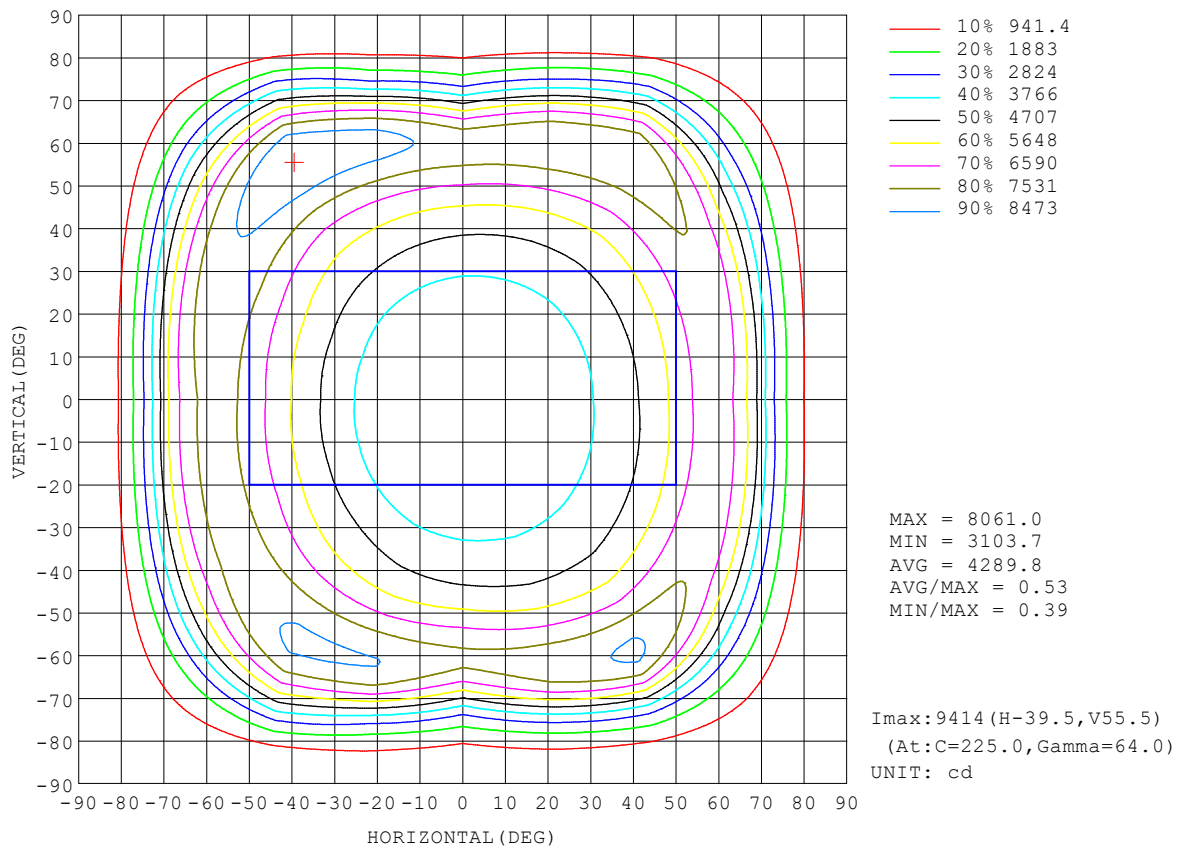
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3148	3125	3117	3147	3180	3176	3158	3142	0- 10	298.8	298.8	1.06,1.06
20	3294	3238	3226	3329	3444	3402	3333	3298	10- 20	915.3	1214	4.3,4.3
30	3713	3542	3571	3892	4254	4052	3863	3735	20- 30	1641	2855	10.1,10.1
40	4564	4212	4339	4992	5616	5222	4896	4621	30- 40	2719	5574	19.7,19.7
50	5935	5227	5833	6386	7167	6687	6553	5902	40- 50	4236	9809	34.7,34.7
60	7048	7375	7708	8257	7744	8905	8097	7803	50- 60	6411	16221	57.4,57.4
70	4165	8147	4650	7795	5058	8153	4327	7367	60- 70	7460	23681	83.8,83.8
80	937.6	1987	1054	2447	1054	2194	932.1	1827	70- 80	3914	27595	97.7,97.7
90	10.51	16.19	9.983	16.58	4.278	5.451	2.683	4.855	80- 90	581.1	28176	99.7,99.7
100	14.54	16.68	13.83	15.28	1.985	2.513	2.274	2.327	90-100	8.796	28185	99.8,99.8
110	18.04	18.18	15.15	16.14	5.676	5.442	7.163	5.325	100-110	10.39	28195	99.8,99.8
120	18.09	16.21	15.38	16.12	12.08	13.15	15.03	11.75	110-120	13.11	28208	99.8,99.8
130	16.79	15.72	15.66	14.88	13.99	15.50	17.18	15.34	120-130	13.96	28222	99.9,99.9
140	15.93	15.73	15.31	14.20	12.94	12.37	14.15	14.30	130-140	11.60	28234	99.9,99.9
150	14.90	15.37	15.15	13.92	12.25	11.55	12.19	13.09	140-150	8.643	28242	100,100
160	15.63	16.00	15.52	14.86	13.87	12.32	12.84	13.38	150-160	6.368	28249	100,100
170	16.90	16.40	15.56	15.92	18.46	16.62	16.42	18.00	160-170	4.382	28253	100,100
180	18.46	17.08	16.72	18.39	18.85	17.36	16.99	18.62	170-180	1.680	28255	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks:

### ISOCANDELA DIAGRAM

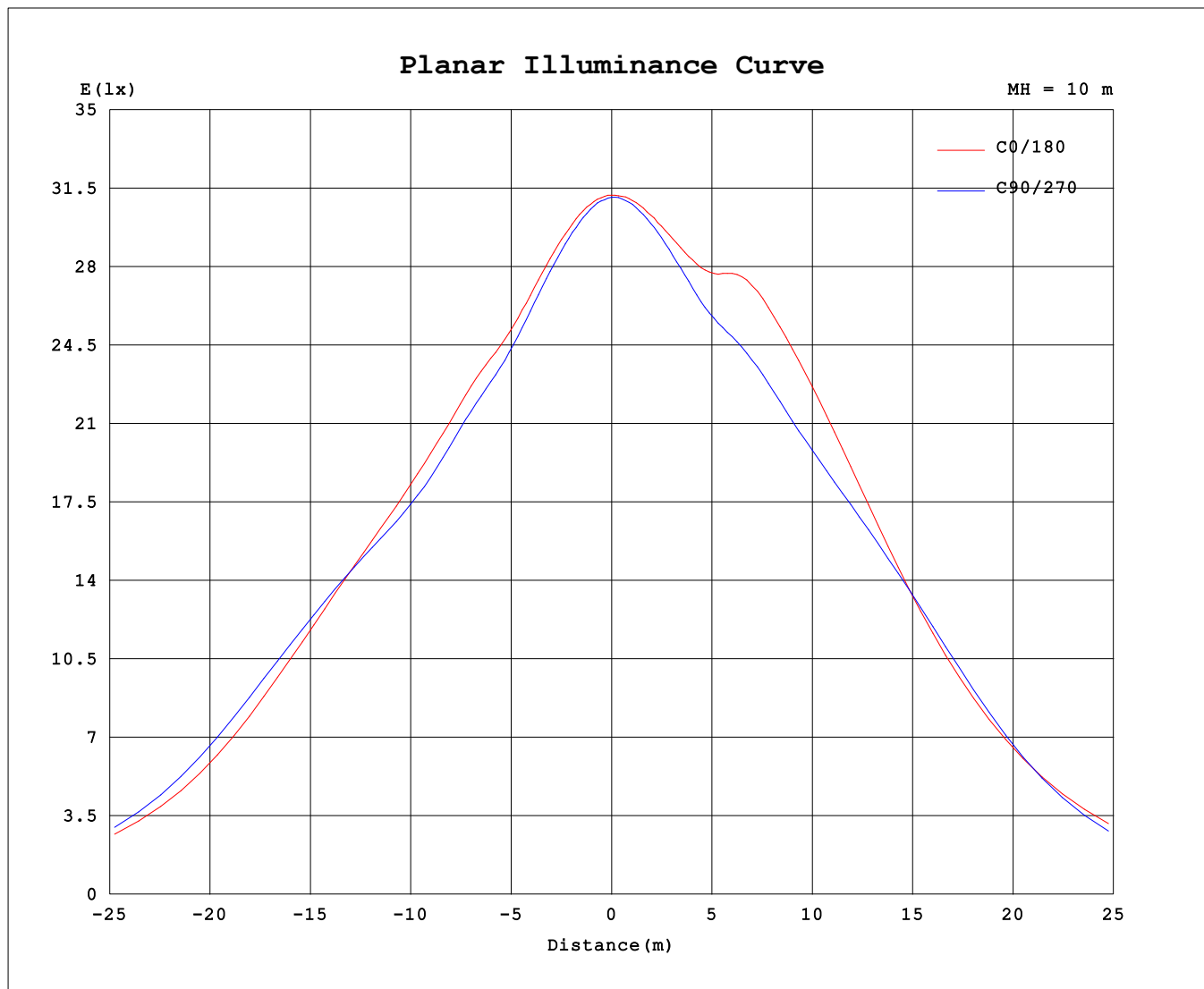
Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4 °C  
Operators: DAMIN  
Test Date: 2024-04-24

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=0.4205]  
Remarks:

## Planar Illuminance Curve



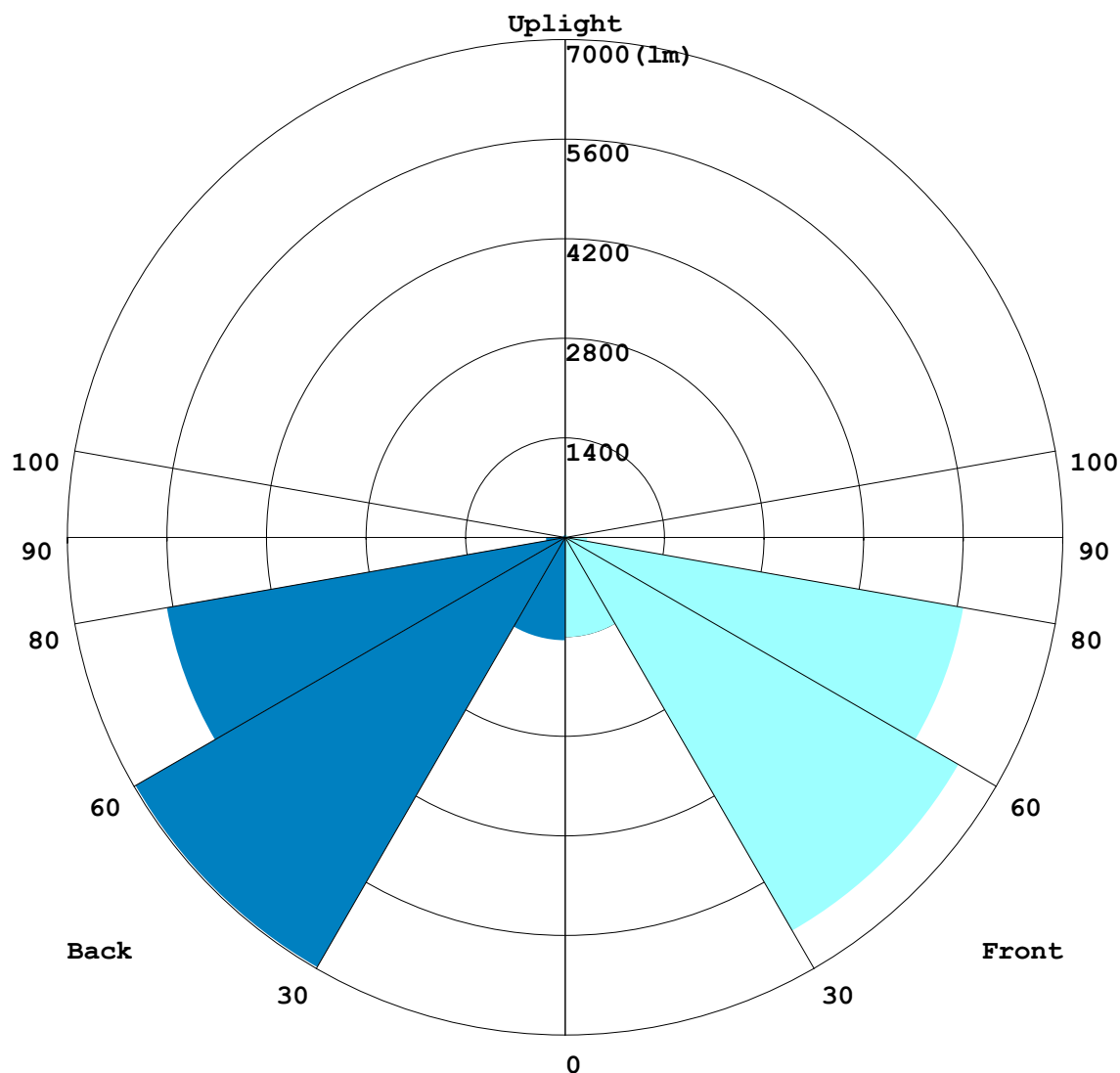
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-04-24

$\gamma$  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=0.4205]  
Remarks:

## LCS REPORT

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 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: HIGH  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks:

### BUG REPORT

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 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)	1405.1	5.0
FM - Front-Medium(30-60)	6386.5	22.6
FH - Front-High(60-80)	5686.9	20.1
FVH - Front-Very High(80-90)	312.09	1.1
Total Forward Light	13839	49.0

BL - Back-Low(0-30)	1449.7	5.1
BM - Back-Medium(30-60)	6979.4	24.7
BH - Back-High(60-80)	5687.1	20.1
BVH - Back-Very High(80-90)	269.04	1.0
Total Back Light	14415	51.0

UL - Uplight-Low(90-100)	8.7961	0.0
UH - Uplight-High(100-180)	70.134	0.2
Total Up Light	78.93	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14385	30.198	14415
Street Side	13791	48.732	13839

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-04-24

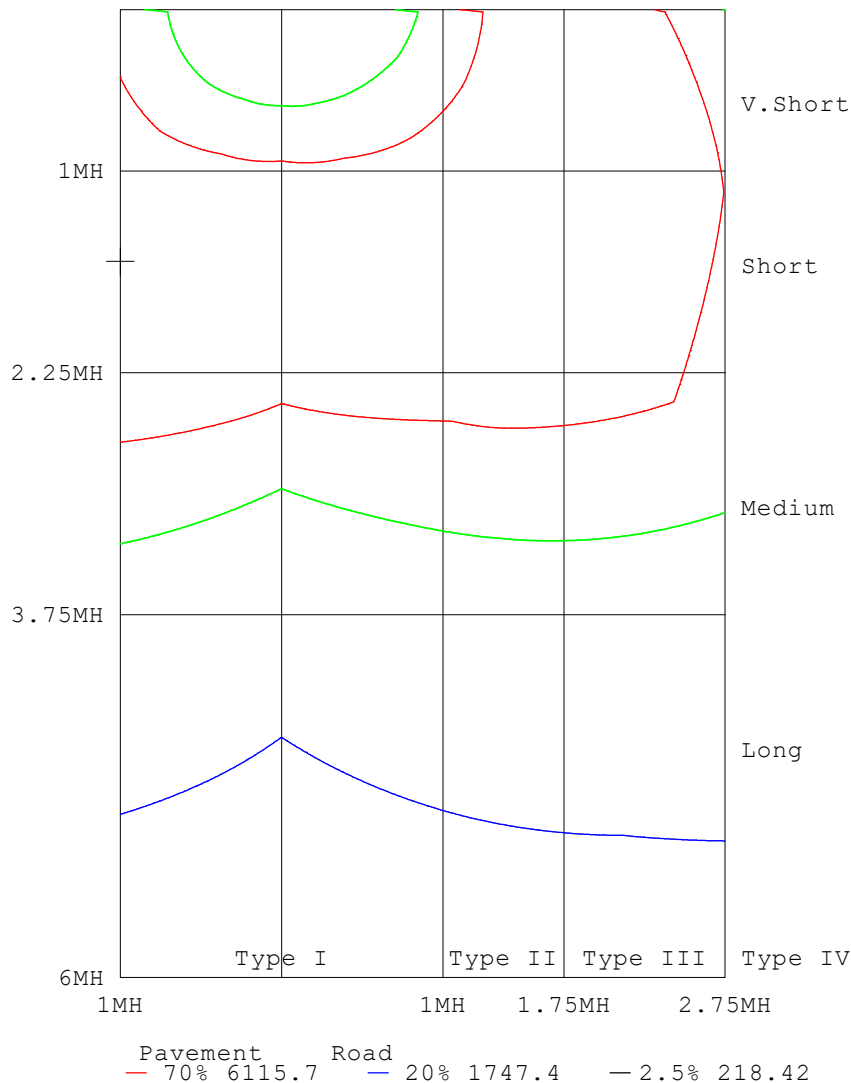
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 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: HIGH  
Temperature: 25.4 °C  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.93V I:1.7031A P:201.94W PF:0.9970 Freq:60.01Hz Lamp Flux:28254.8x1 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	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111	3111			
5	3118	3113	3112	3105	3108	3109	3119	3128	3132	3135	3134	3129	3124	3120	3119	3118			
10	3148	3137	3125	3112	3117	3127	3147	3171	3180	3184	3176	3167	3158	3149	3142	3147			
15	3205	3183	3168	3152	3155	3173	3212	3254	3279	3284	3261	3243	3223	3210	3200	3204			
20	3294	3265	3238	3213	3226	3256	3329	3400	3444	3448	3402	3368	3333	3315	3298	3299			
25	3444	3397	3354	3323	3348	3406	3532	3664	3732	3731	3647	3579	3519	3487	3458	3458			
30	3713	3626	3542	3516	3571	3680	3892	4133	4254	4228	4052	3951	3863	3798	3735	3741			
35	4114	3973	3856	3818	3923	4105	4439	4776	4928	4885	4643	4477	4340	4245	4159	4164			
40	4564	4367	4212	4183	4339	4587	4992	5406	5616	5529	5222	5042	4896	4744	4621	4629			
45	5159	4866	4617	4642	4926	5147	5589	6132	6390	6254	5838	5724	5605	5370	5158	5206			
50	5935	5571	5227	5400	5833	5991	6386	6915	7167	7104	6687	6643	6553	6230	5902	5953			
55	6733	6473	6131	6495	6933	7108	7348	7592	7710	7907	7789	7776	7592	7288	6849	6816			
60	7048	7220	7375	7661	7708	8182	8257	7892	7744	8356	8905	8719	8097	8190	7803	7428			
65	6118	7080	8565	8087	6978	8442	8658	7498	6932	8018	9405	8452	6875	8047	8336	6971			
70	4165	5572	8147	6640	4650	6894	7795	6157	5058	6567	8153	6138	4327	6096	7367	5225			
75	2118	3324	5014	3714	2359	3885	5450	4015	2657	4197	5145	3142	2178	3350	4545	3073			
80	938	1517	1987	1584	1054	1663	2447	1662	1054	1735	2194	1252	932	1403	1827	1399			
85	262	433	491	501	364	593	597	514	296	431	531	354	235	290	511	392			
90	10.5	13.6	16.2	13.1	9.98	13.2	16.6	14.0	4.28	5.07	5.45	3.60	2.68	4.26	4.85	3.77			
95	12.1	14.2	15.8	13.8	11.4	13.5	15.1	13.0	1.67	2.27	2.63	1.91	1.70	2.12	2.34	1.90			
100	14.5	15.8	16.7	15.1	13.8	14.9	15.3	13.9	1.98	2.30	2.51	2.12	2.27	2.41	2.33	1.98			
105	16.8	17.2	17.7	16.1	15.4	14.9	15.8	14.6	3.34	3.99	3.46	3.33	4.07	3.66	3.33	3.08			
110	18.0	18.1	18.2	17.1	15.1	15.7	16.1	14.8	5.68	6.30	5.44	6.09	7.16	5.78	5.33	5.03			
115	18.5	18.7	17.5	18.5	15.5	16.7	16.6	14.8	8.84	9.20	8.81	10.6	11.5	10.0	8.26	8.32			
120	18.1	18.2	16.2	18.3	15.4	17.0	16.1	14.4	12.1	12.1	13.2	14.6	15.0	14.3	11.7	12.5			
125	17.5	17.5	15.7	17.6	15.9	16.8	15.5	13.6	13.3	13.6	15.7	16.4	17.0	15.8	14.6	15.1			
130	16.8	16.6	15.7	16.8	15.7	15.9	14.9	13.0	14.0	14.2	15.5	16.1	17.2	16.1	15.3	15.7			
135	16.5	15.5	15.8	16.4	15.6	15.5	14.6	12.9	13.7	14.0	13.6	14.6	15.8	15.3	15.0	14.8			
140	15.9	14.6	15.7	15.9	15.3	15.2	14.2	12.8	12.9	13.1	12.4	13.3	14.2	14.5	14.3	13.6			
145	15.2	14.1	15.3	15.6	14.9	14.8	13.8	12.7	12.5	12.4	11.7	12.3	12.8	13.5	13.5	12.9			
150	14.9	14.4	15.4	15.8	15.2	15.0	13.9	12.9	12.3	12.1	11.5	12.0	12.2	12.8	13.1	12.6			
155	15.1	15.3	15.8	16.3	15.5	15.3	14.3	13.4	12.6	12.3	11.7	12.1	12.2	12.4	12.9	12.5			
160	15.6	16.1	16.0	16.3	15.5	15.7	14.9	14.0	13.9	13.0	12.3	12.6	12.8	12.6	13.4	13.5			
165	16.0	16.7	16.1	16.3	15.4	15.7	15.1	14.6	16.5	15.6	14.8	15.1	14.9	15.1	16.2	16.4			
170	16.9	17.5	16.4	16.5	15.6	16.0	15.9	15.8	18.5	17.7	16.6	16.7	16.4	16.8	18.0	18.1			
175	17.6	18.6	17.3	17.4	16.9	17.4	17.7	17.8	19.1	19.4	18.0	18.2	17.8	18.4	19.1	19.2			
180	18.5	18.6	17.1	16.9	16.7	17.5	18.4	18.7	18.8	19.0	17.4	17.3	17.0	17.8	18.6	19.1			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.4℃  
Operators:DAMIN  
Test Date:2024-04-24

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=0.4205]  
Remarks: