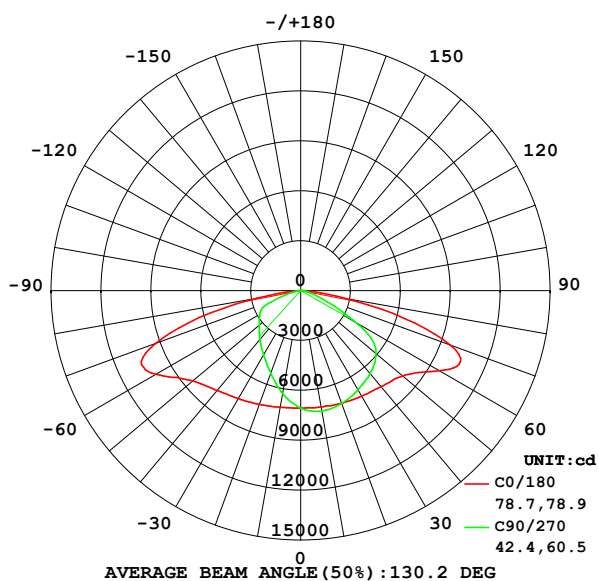
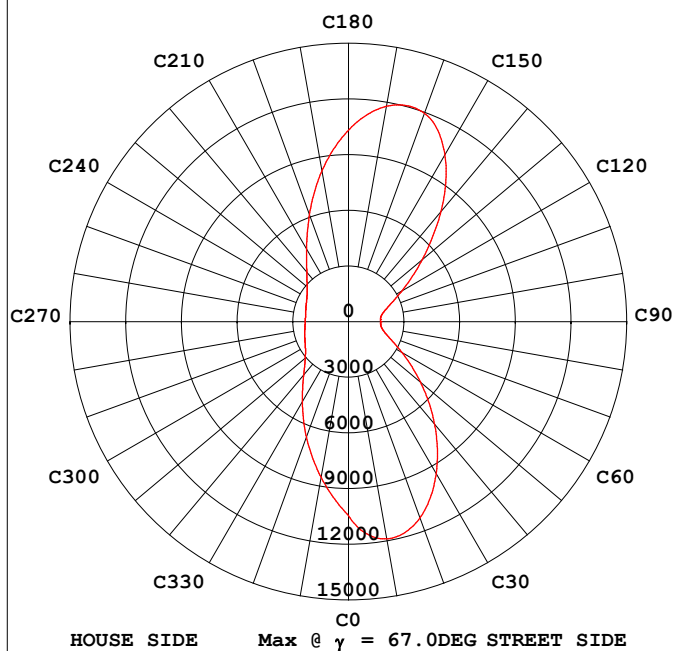


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.15 lm/W			
MODEL	AL-300WS-3CS-T3	I _{max} (cd)	11757	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	58.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29293	η house_up (%)	0.0
NOMINAL FLUX (lm)	29360.6	MAXIMUM @ (C, γ)	158,67.0	η house_down (%)	41.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.964

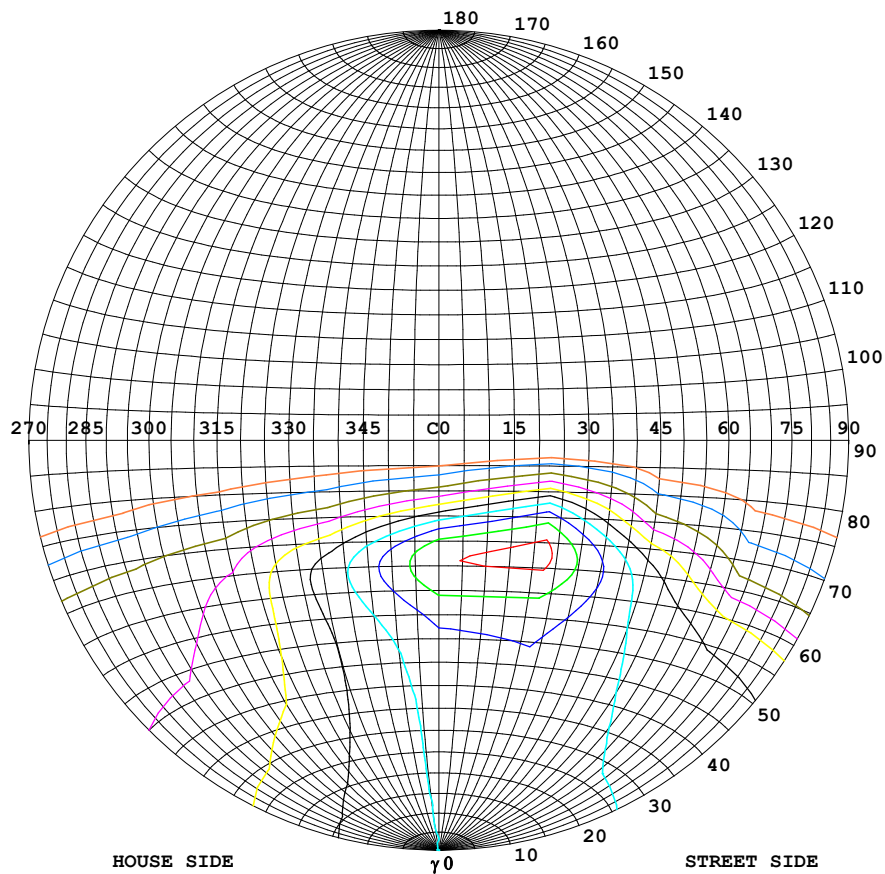
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



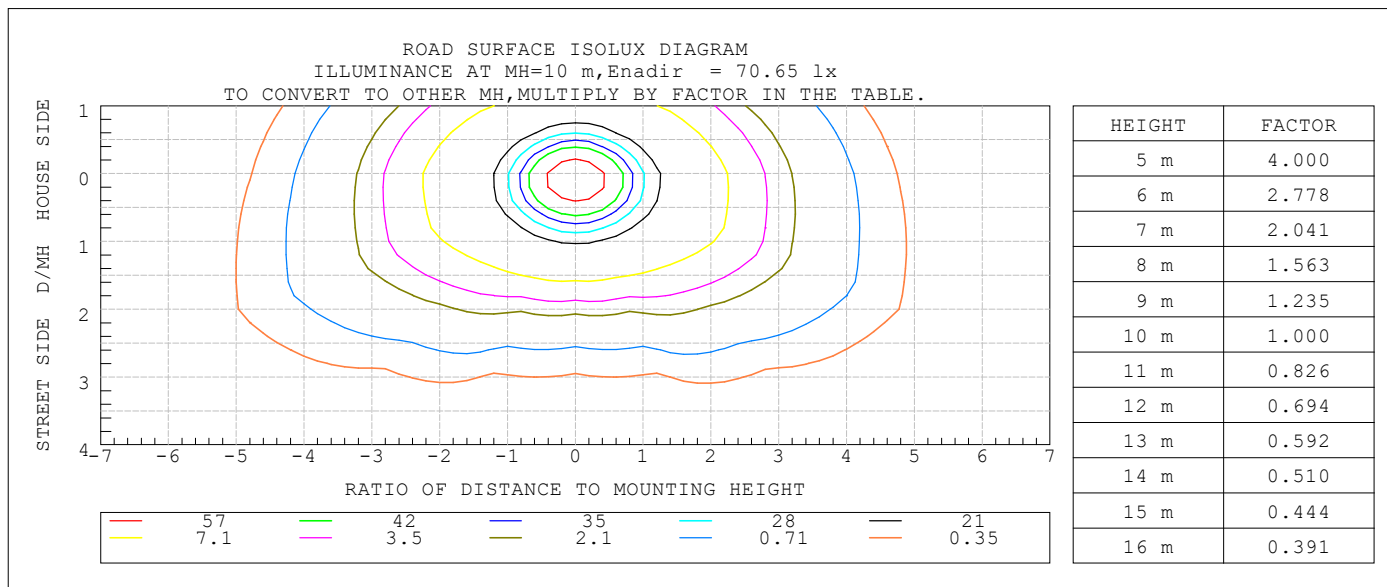
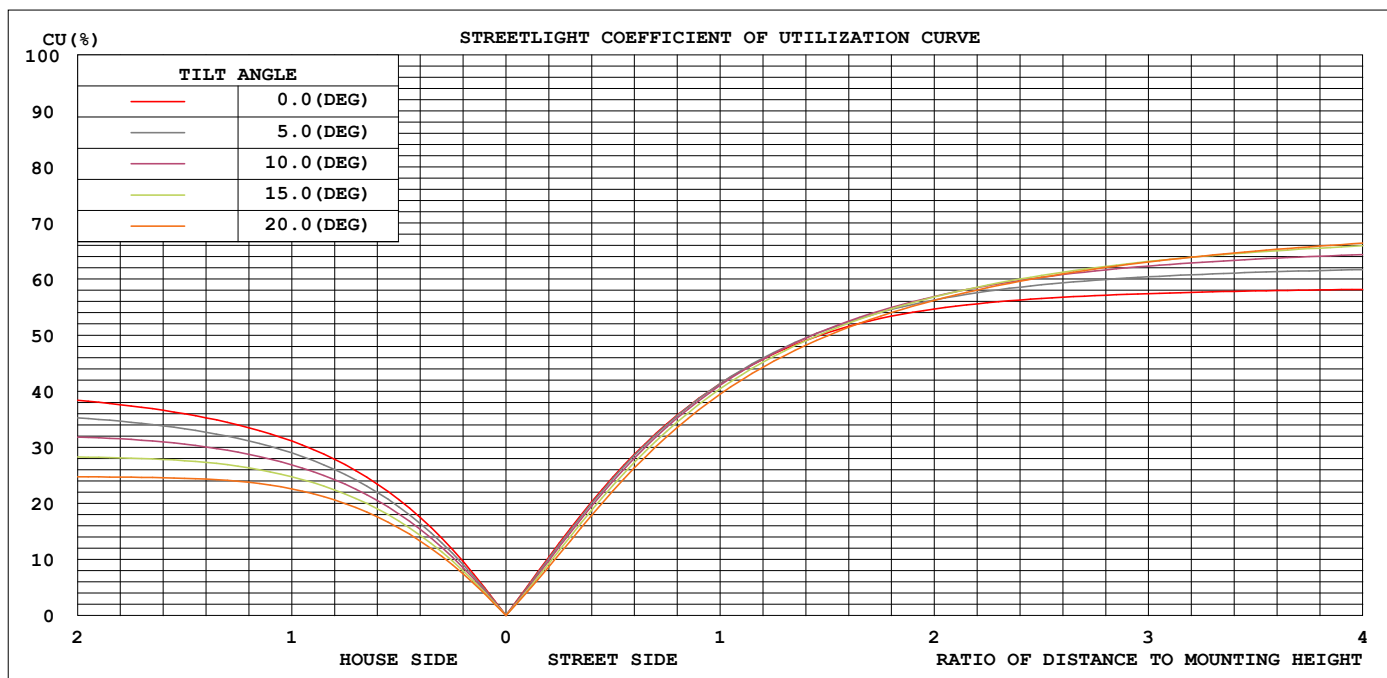
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:178.4cd/klm
Max.At90:0cd/klm
Max.80-90:178.4cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		11757
90%		10581
80%		9405
70%		8230
60%		7054
50%		5878
40%		4703
30%		3527
20%		2351
10%		1176
5%		588

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:

ZONAL FLUX DIAGRAM

Test:U:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

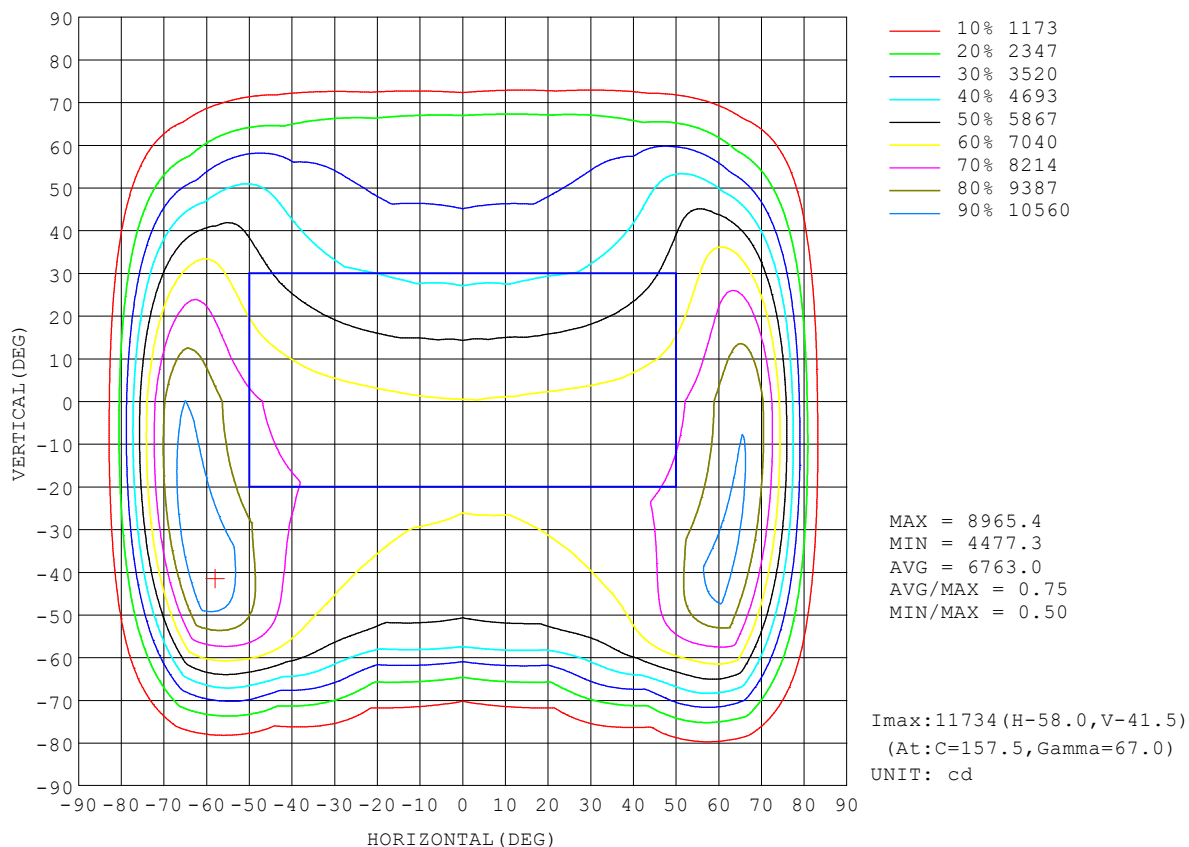
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	711.5	731.3	735.0	738.9	712.5	656.2	629.1	657.5	0- 10	669.7	669.7	2.29,2.28
20	720.5	737.0	722.2	751.3	728.3	589.9	528.5	591.8	10- 20	1938	2608	8.9,8.88
30	733.0	731.7	689.0	752.6	750.4	523.7	447.4	521.2	20- 30	3040	5648	19.3,19.2
40	753.9	721.2	650.8	746.0	783.9	473.2	381.7	466.1	30- 40	3968	9616	32.8,32.8
50	799.1	711.9	592.2	741.8	846.2	430.4	326.3	424.5	40- 50	4758	14374	49.1,49
60	964.6	690.0	385.7	728.4	1007	387.5	284.4	388.3	50- 60	5451	19825	67.7,67.5
70	956.1	514.8	120.7	531.9	929.1	263.1	169.9	281.3	60- 70	5618	25444	86.9,86.7
80	279.4	122.2	36.20	117.7	264.5	65.65	33.83	65.40	70- 80	3317	28761	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	532.2	29293	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29293	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29293	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29293	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29293	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29293	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29293	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29293	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29293	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29293	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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

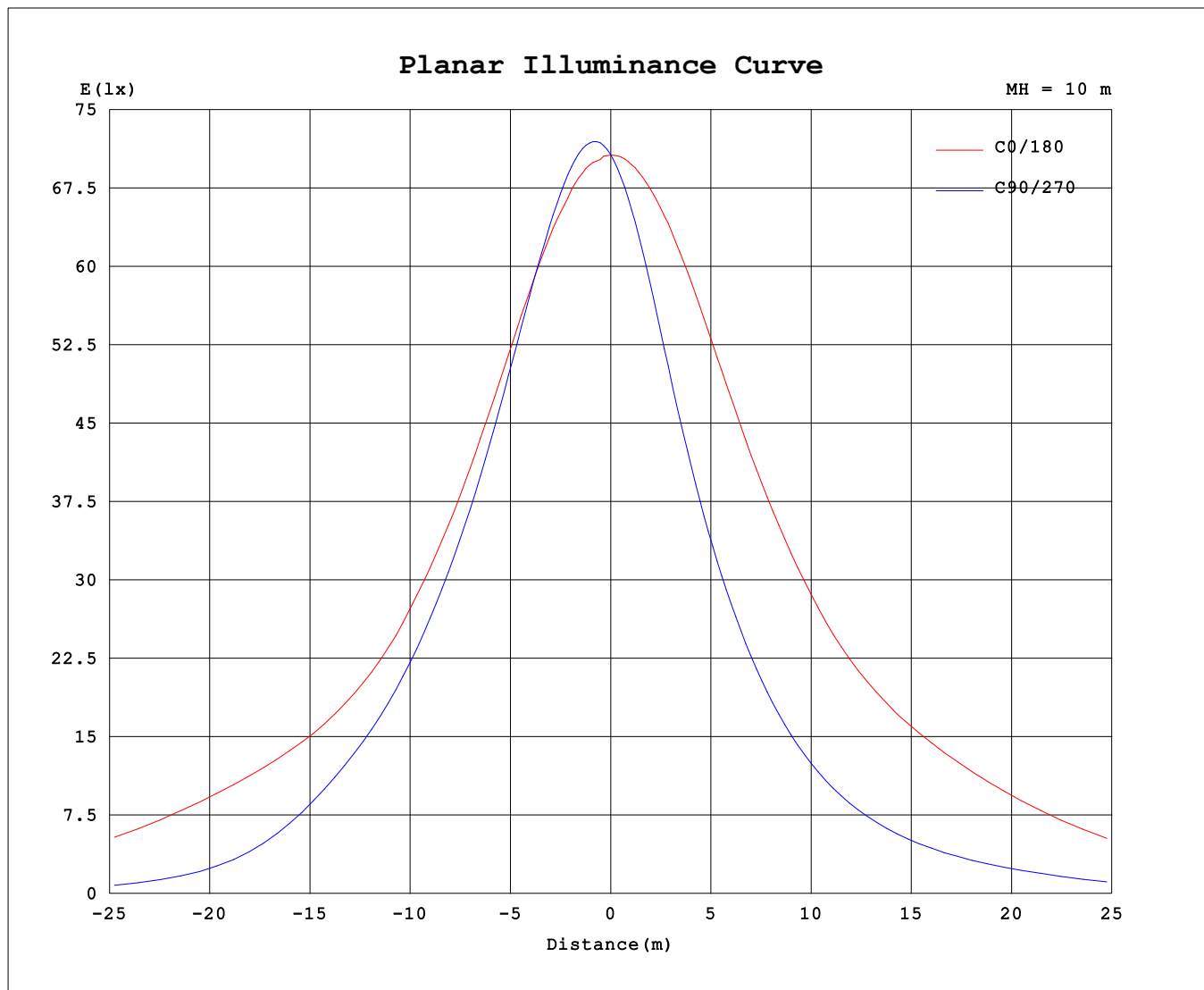
Test:U:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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



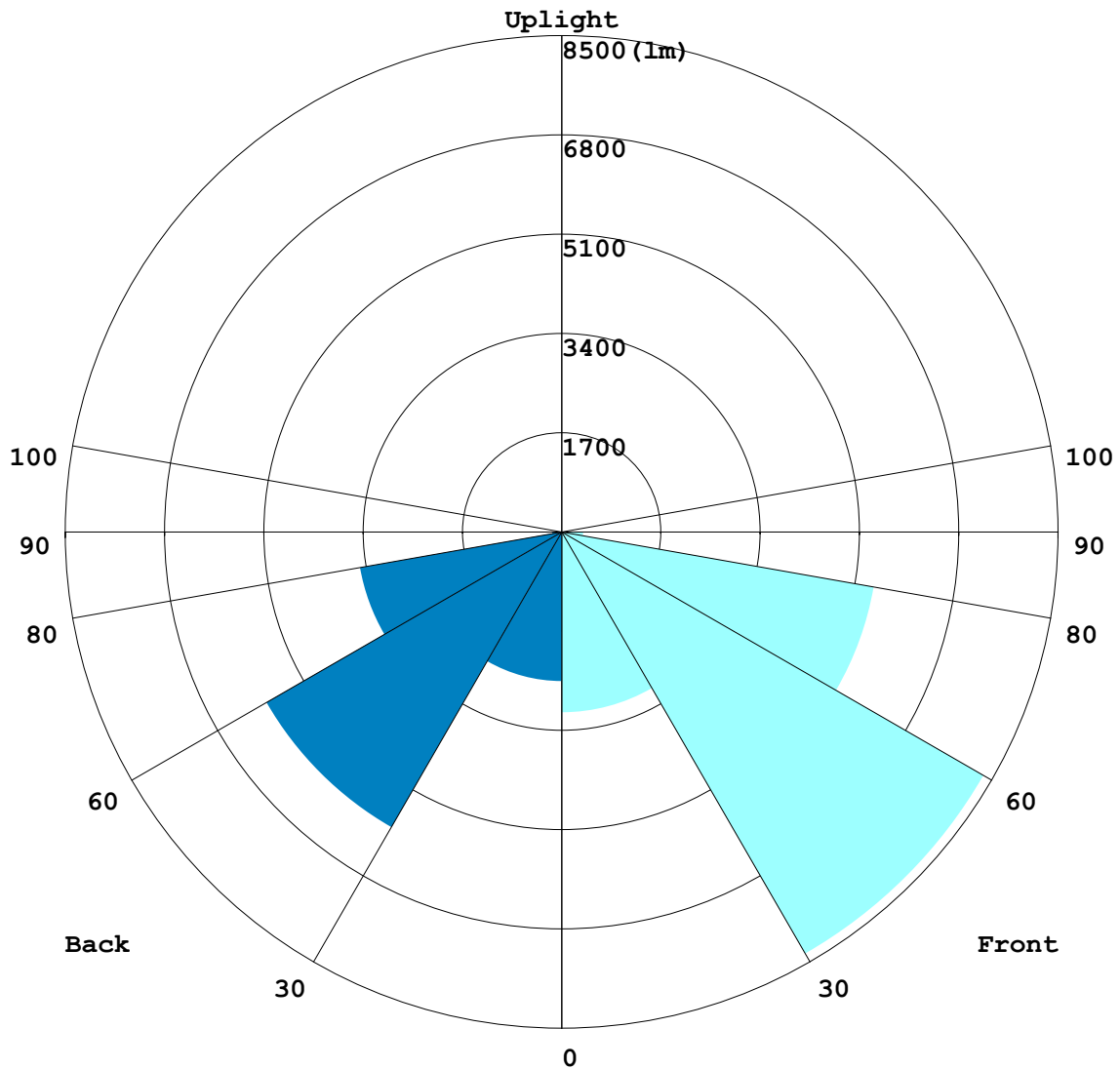
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4 °C
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 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:2024-12-29

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:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 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)	3090.7	10.6
FM - Front-Medium(30-60)	8340.4	28.5
FH - Front-High(60-80)	5426.4	18.5
FVH - Front-Very High(80-90)	370.69	1.3
Total Forward Light	17228	58.8

BL - Back-Low(0-30)	2556.9	8.7
BM - Back-Medium(30-60)	5837.3	19.9
BH - Back-High(60-80)	3509.3	12.0
BVH - Back-Very High(80-90)	161.55	0.6
Total Back Light	12065	41.2

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12065	0	12065
Street Side	17228	0	17228

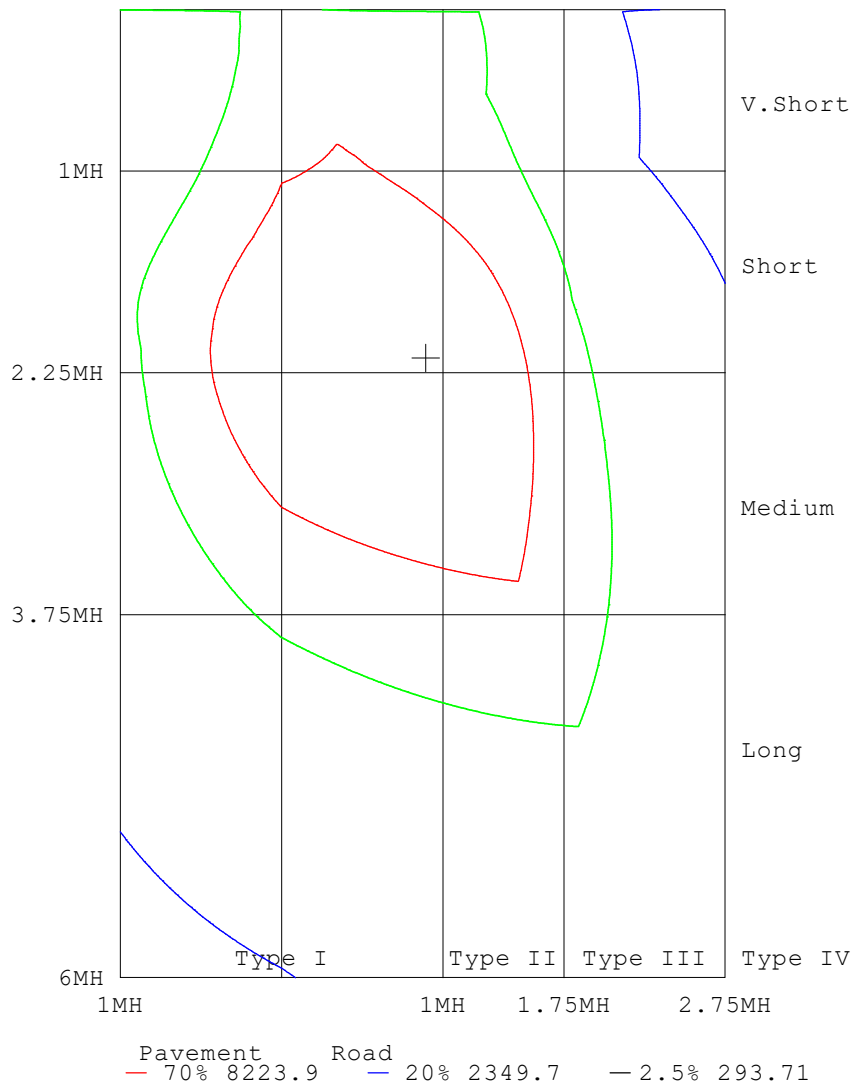
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 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:2024-12-29

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:118.96V I:1.5789A P:187.60W PF:0.9988 Freq:60.01Hz Lamp Flux:29360.6x1 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	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706	706			
5	707	716	722	728	727	727	724	718	708	696	684	678	672	676	684	696			
10	712	727	731	736	735	739	739	731	712	685	656	638	629	637	657	684			
15	716	736	736	734	732	740	748	745	720	673	625	593	578	592	627	673			
20	721	745	737	726	722	734	751	758	728	661	590	545	528	544	592	660			
25	727	755	735	715	707	724	754	772	739	648	555	503	485	502	555	645			
30	733	763	732	700	689	709	753	785	750	636	524	466	447	464	521	630			
35	742	773	727	684	670	692	749	798	764	627	497	433	413	430	492	618			
40	754	785	721	668	651	674	746	814	784	623	473	402	382	399	466	610			
45	771	803	717	650	626	653	743	838	809	621	451	372	352	371	444	608			
50	799	829	712	623	592	622	742	872	846	622	430	344	326	344	424	611			
55	860	876	704	580	530	574	739	937	912	633	410	320	304	320	405	627			
60	965	961	690	477	386	468	728	1044	1007	642	388	297	284	298	388	649			
65	1051	1067	652	306	225	304	683	1159	1056	612	346	267	257	272	359	650			
70	956	1071	515	173	121	173	532	1122	929	475	263	198	170	209	281	529			
75	647	886	292	91.7	67.9	91.2	298	851	631	284	153	93.3	73.0	96.8	161	318			
80	279	524	122	46.5	36.2	45.8	118	437	264	118	65.6	38.6	33.8	40.1	65.4	128			
85	56.1	147	29.5	17.8	14.3	17.2	25.2	97.9	55.3	25.0	13.1	10.5	10.2	11.6	13.8	29.5			
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: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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: