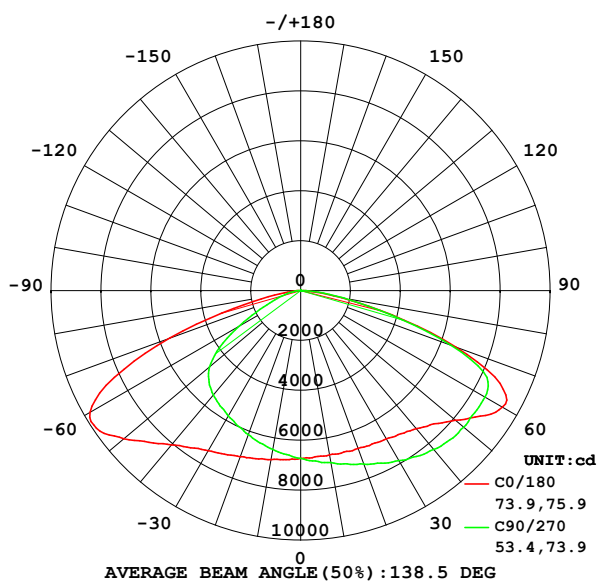
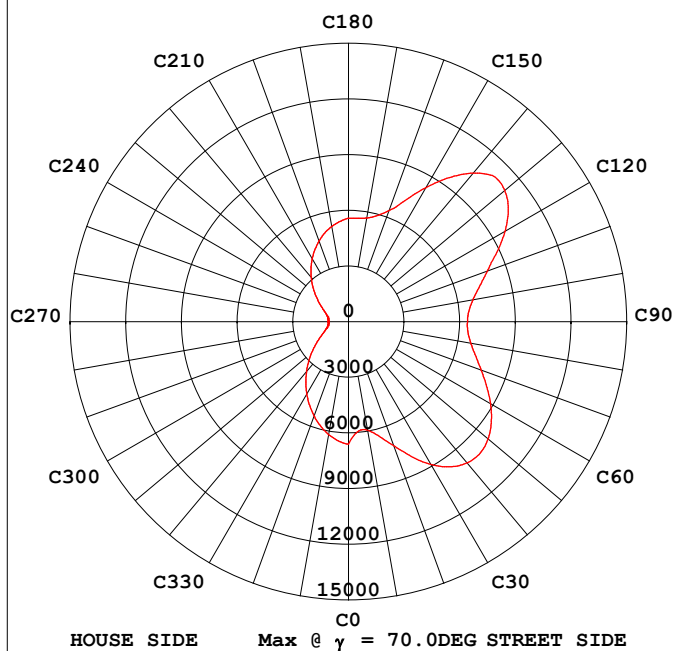


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.38 lm/W			
MODEL	AL-300WS-3CS-T4	I _{max} (cd)	11092	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	60.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	34123	η house_up (%)	0.0
NOMINAL FLUX (lm)	34200.5	MAXIMUM @ (C, γ)	135,70.0	η house_down (%)	39.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.155

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

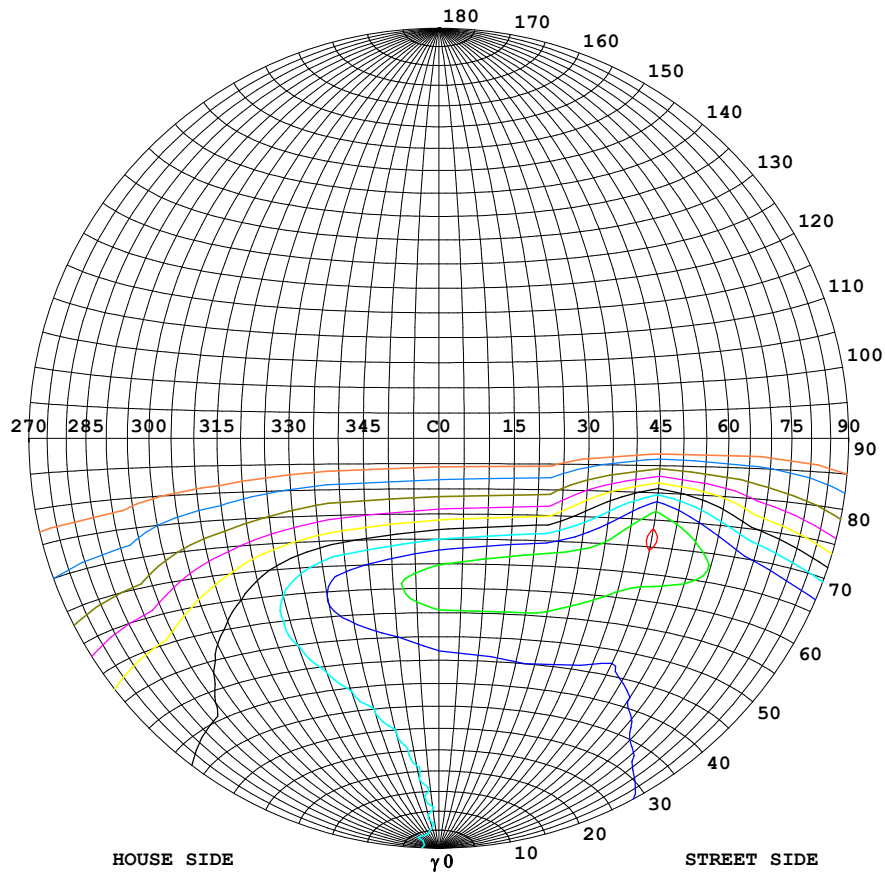
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz

Lamp Flux:34200.5x1 lm

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



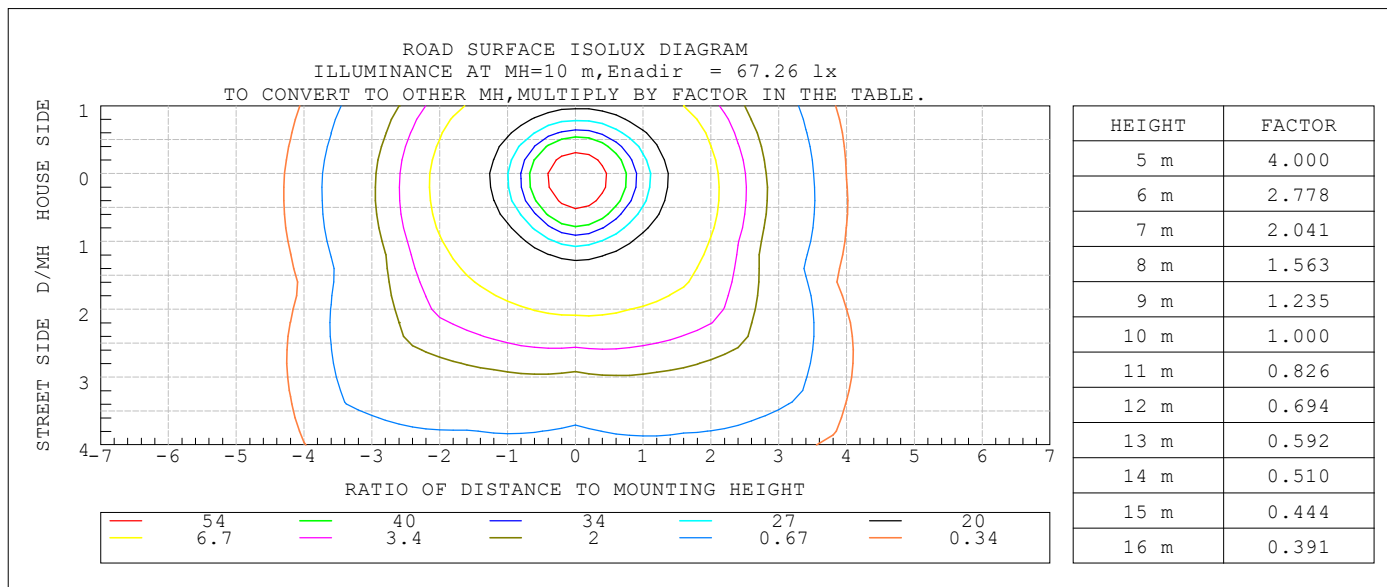
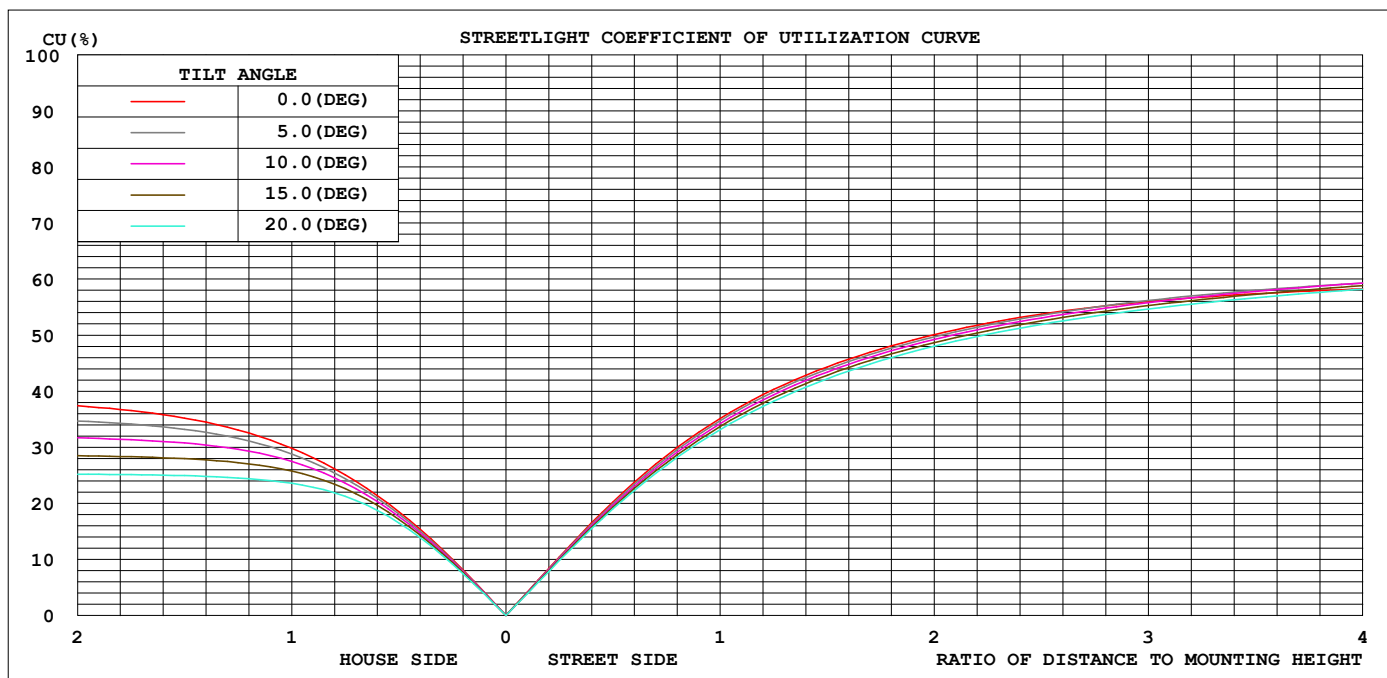
Classification:

IES:Type IV - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:185.1cd/klm
Max.At90:0cd/klm
Max.80-90:185.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11092
90%	9983
80%	8874
70%	7765
60%	6655
50%	5546
40%	4437
30%	3328
20%	2218
10%	1109
5%	555

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

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: 26.4 °C
Operators: DAMIN
Test Date: 2024-12-27

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:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

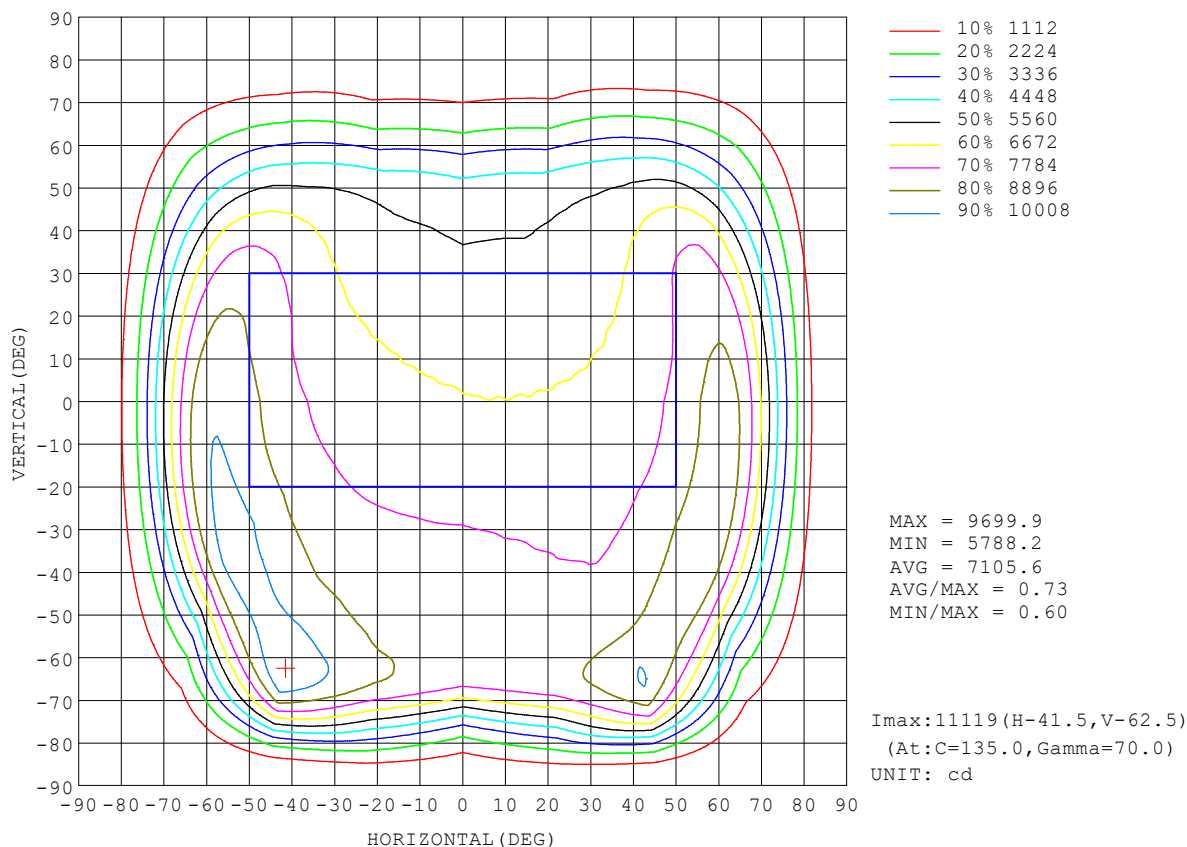
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	668.1	686.9	700.2	701.0	688.4	660.4	646.0	650.9	0- 10	643.3	643.3	1.89,1.88
20	673.3	707.9	739.8	735.4	708.8	653.1	614.4	631.8	10- 20	1925	2568	7.53,7.51
30	686.7	728.0	786.9	770.5	741.6	644.7	581.0	616.5	20- 30	3187	5755	16.9,16.8
40	722.0	752.1	830.1	813.3	807.7	649.5	545.5	606.6	30- 40	4431	10186	29.9,29.8
50	807.9	788.3	852.1	874.1	924.1	652.5	478.0	607.7	40- 50	5690	15876	46.5,46.4
60	933.6	857.3	852.8	974.8	975.1	546.7	284.2	550.7	50- 60	6804	22680	66.5,66.3
70	661.3	1004	641.9	1109	558.5	274.3	110.8	305.2	60- 70	6743	29423	86.2,86
80	167.7	633.1	176.1	519.5	107.2	62.22	38.50	71.11	70- 80	3955	33378	97.8,97.6
90	0	0	0	0	0	0	0	0	80- 90	745.3	34123	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	34123	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	34123	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	34123	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	34123	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	34123	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	34123	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	34123	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	34123	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	34123	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

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

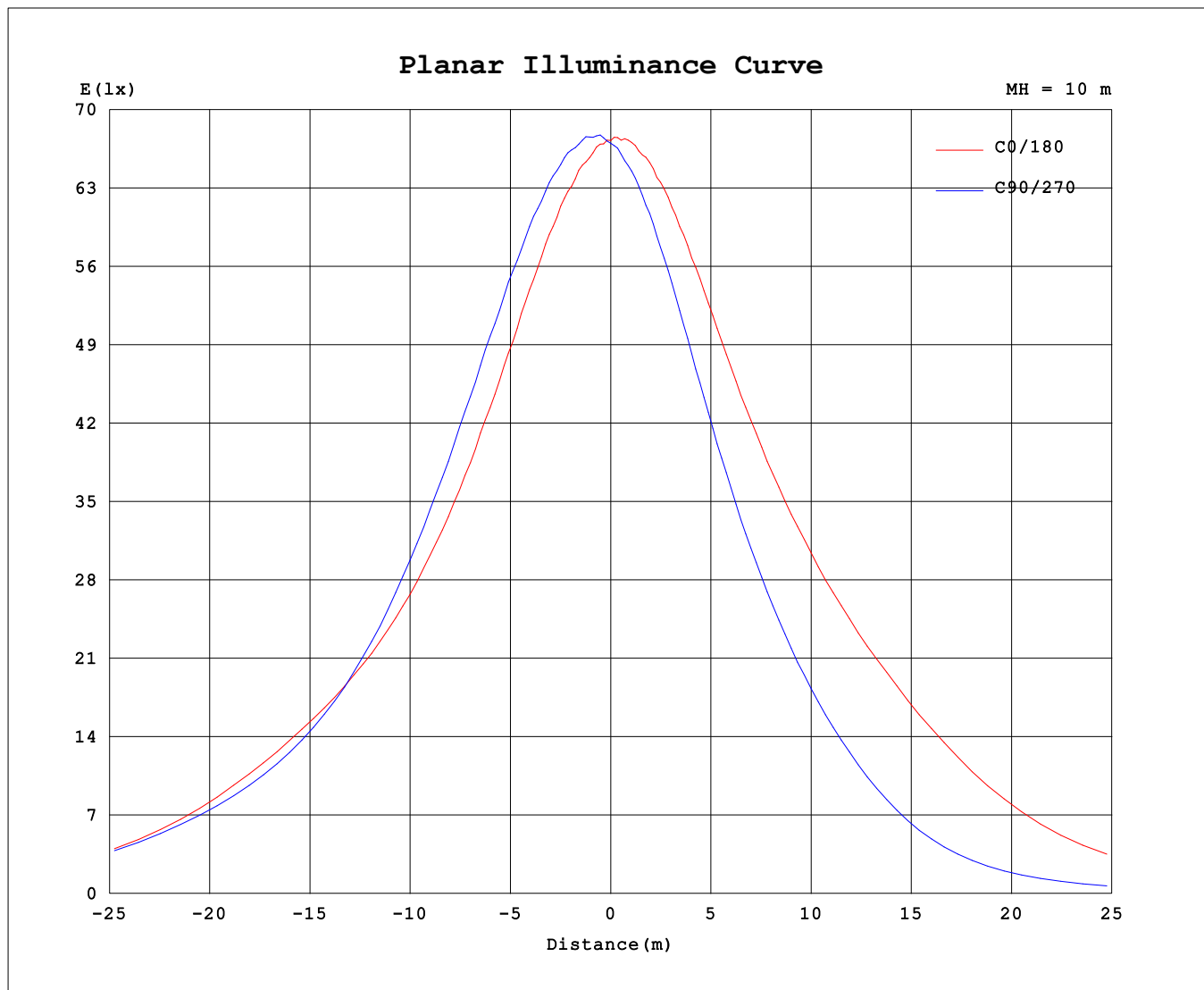
Test:U:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.4 °C
Operators:DAMIN
Test Date:2024-12-27

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



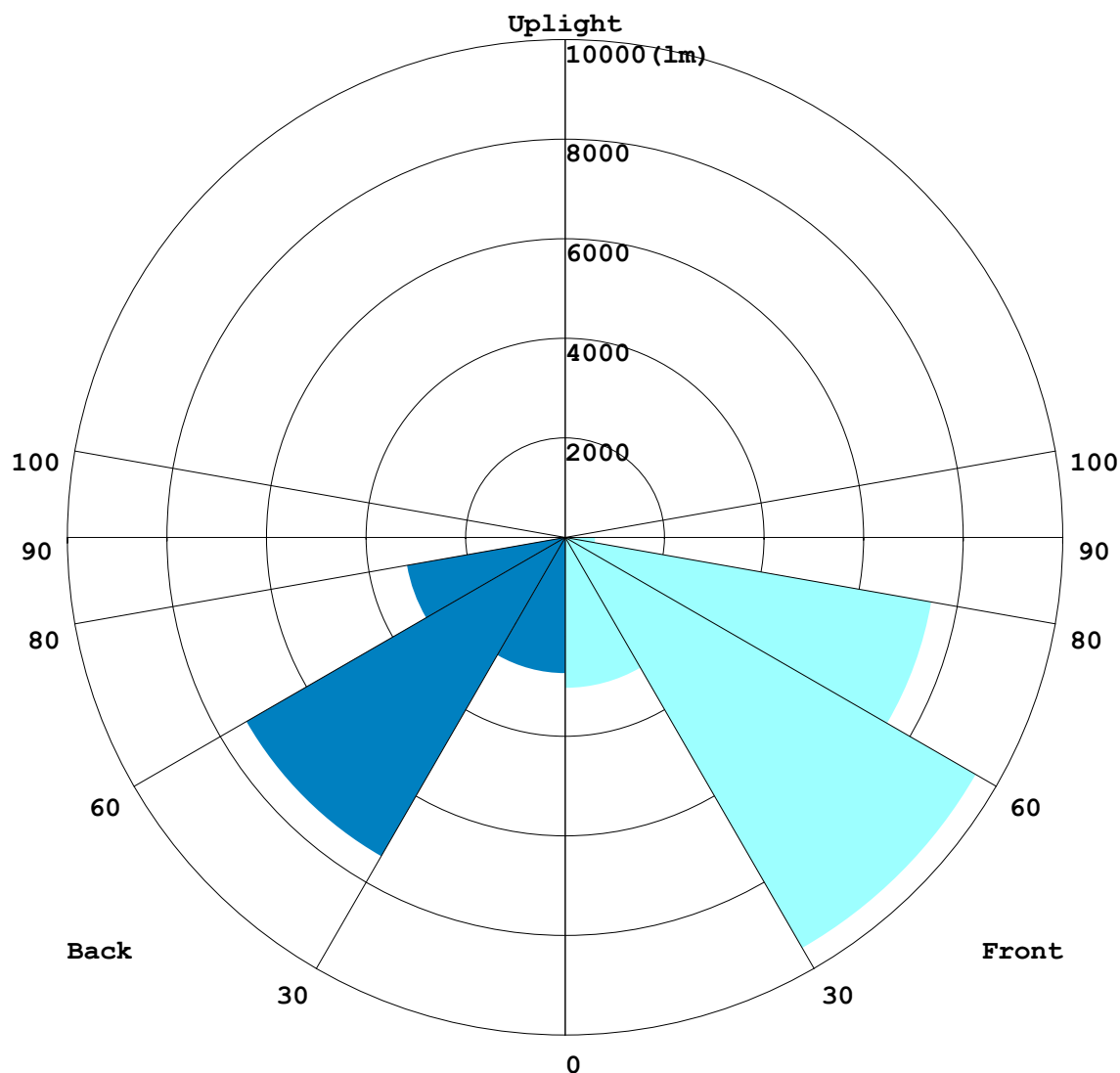
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 26.4 °C
 Operators: DAMIN
 Test Date: 2024-12-27

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:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 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: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

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:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 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)	3023.3	8.9
FM - Front-Medium(30-60)	9529.1	27.9
FH - Front-High(60-80)	7473.4	21.9
FVH - Front-Very High(80-90)	606.2	1.8
Total Forward Light	20632	60.5

BL - Back-Low(0-30)	2731.7	8.0
BM - Back-Medium(30-60)	7395.6	21.7
BH - Back-High(60-80)	3225	9.5
BVH - Back-Very High(80-90)	139.1	0.4
Total Back Light	13491	39.5

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13491	0	13491
Street Side	20632	0	20632

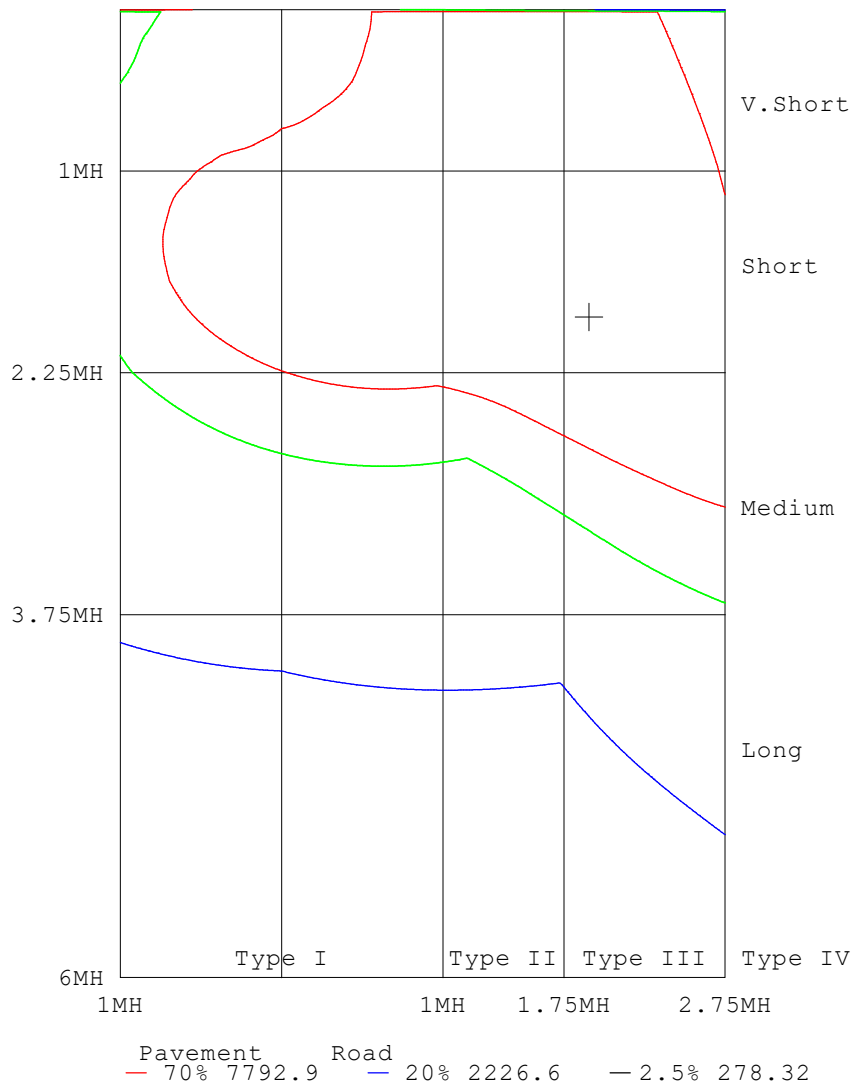
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

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:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 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: 26.4 °C
Operators:DAMIN
Test Date:2024-12-27

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:118.84V I:1.8850A P:223.94W PF:0.9997 Freq:60.01Hz Lamp Flux:34200.5x1 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	672	672	672	672	672	672	672	672	672	672	672	672	672	672	672	672			
5	669	674	679	684	686	687	686	682	680	673	667	663	660	661	661	664			
10	668	677	687	696	700	705	701	694	688	674	660	651	646	647	651	658			
15	670	683	697	709	719	723	717	709	698	677	656	639	632	632	641	653			
20	673	690	708	726	740	741	735	724	709	680	653	626	614	618	632	654			
25	678	700	718	745	763	763	753	741	723	688	647	612	598	603	624	654			
30	687	711	728	763	787	783	770	762	742	700	645	599	581	588	616	655			
35	700	727	739	781	811	805	790	789	769	716	644	587	564	573	612	661			
40	722	748	752	798	830	822	813	827	808	745	650	576	545	558	607	675			
45	756	776	768	811	846	838	840	875	860	784	654	560	520	540	609	700			
50	808	818	788	822	852	853	874	937	924	823	653	530	478	512	608	735			
55	878	878	816	831	853	868	916	1004	983	845	623	466	396	455	595	780			
60	934	945	857	842	853	888	975	1045	975	803	547	356	284	356	551	802			
65	882	951	925	856	824	908	1053	966	824	665	420	232	181	237	450	730			
70	661	752	1004	791	642	834	1109	669	558	447	274	138	111	142	305	520			
75	380	432	952	569	373	597	953	340	279	253	150	78.8	67.4	80.6	168	302			
80	168	189	633	319	176	335	519	135	107	106	62.2	41.5	38.5	42.8	71.1	137			
85	44.3	47.1	186	120	54.8	117	127	33.5	26.0	19.9	15.2	13.2	14.5	14.3	18.3	29.7			
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: 26.4℃
Operators:DAMIN
Test Date:2024-12-27

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: