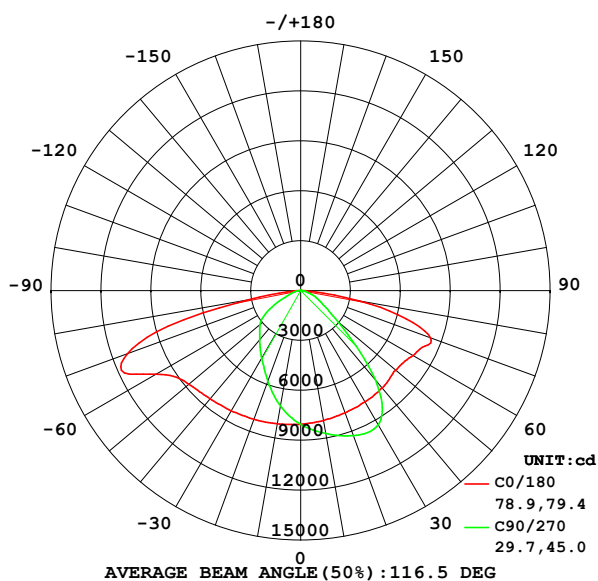
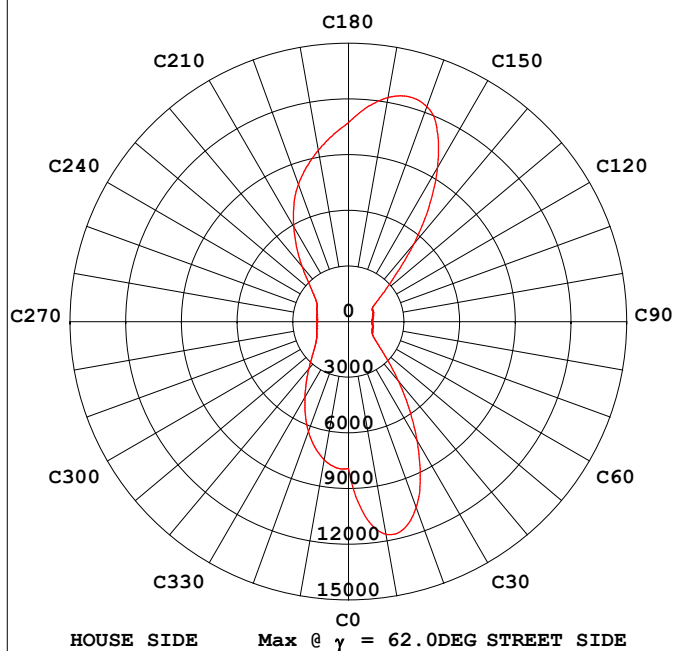


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.71 lm/W			
MODEL	AL-300WS-3CS-T2	Imax (cd)	12017	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	56.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28267	η house_up (%)	0.0
NOMINAL FLUX (lm)	28333	MAXIMUM @ (C, γ)	158,62.0	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	25.616

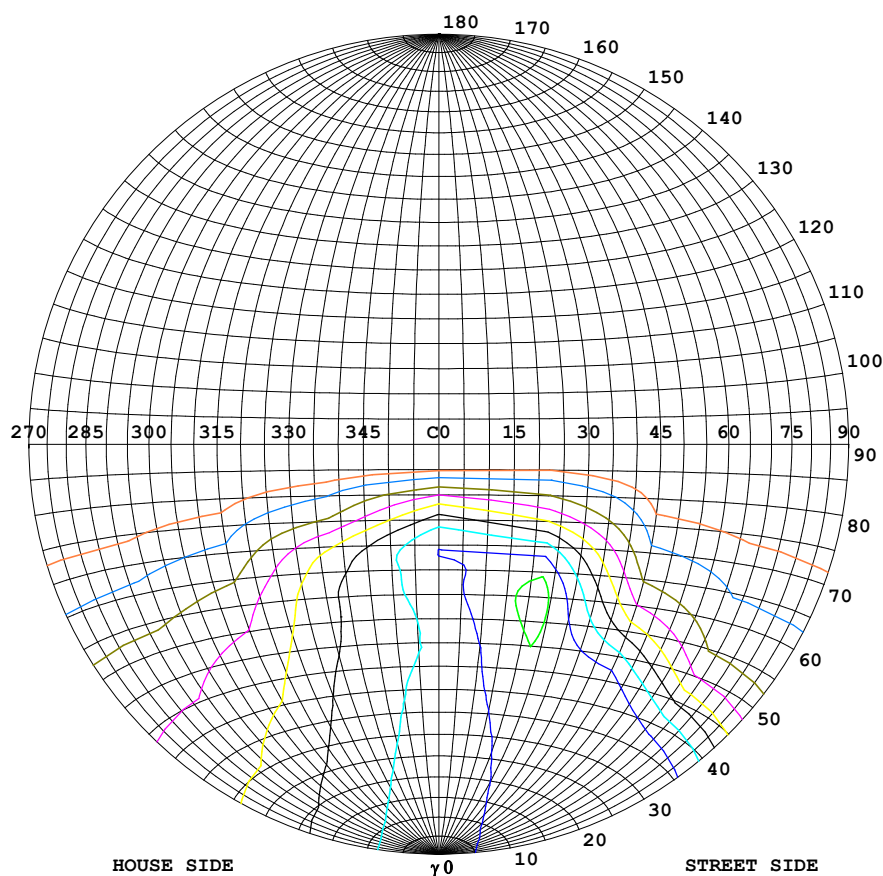
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



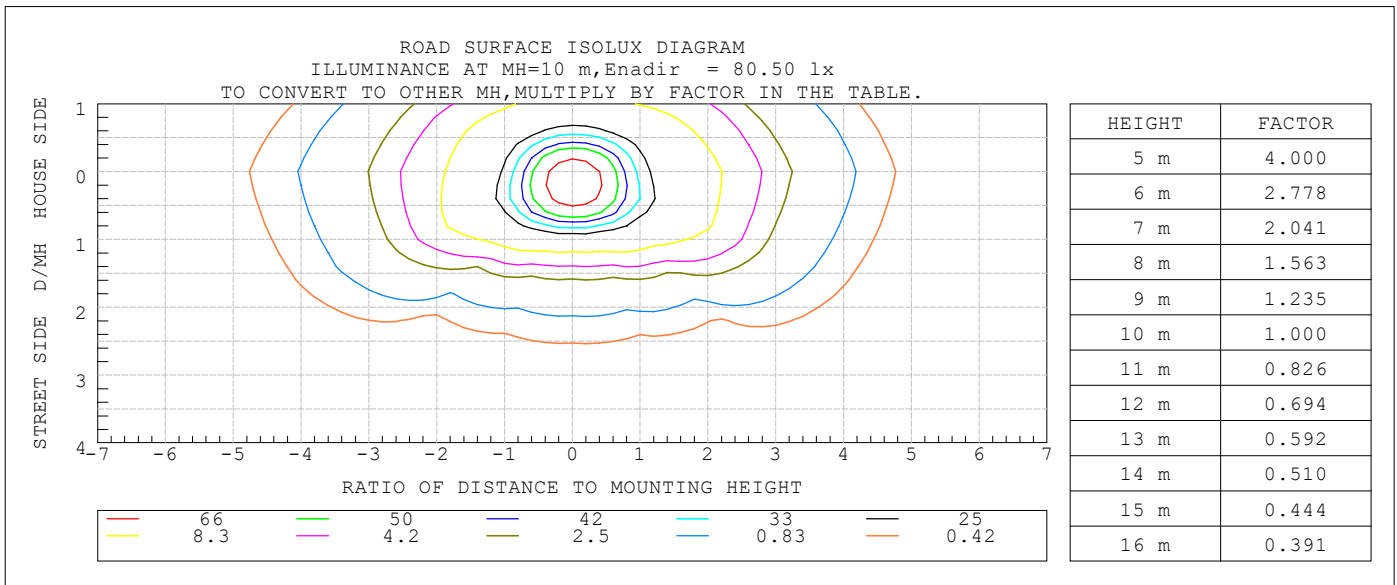
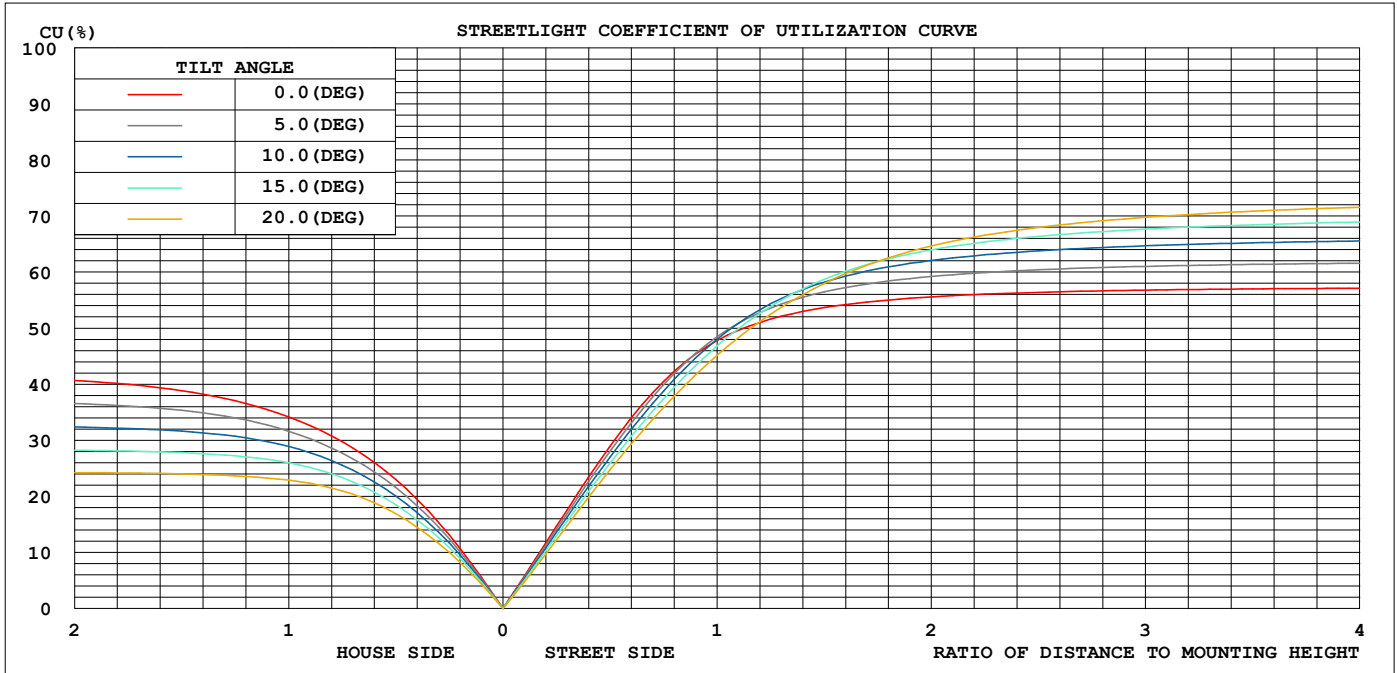
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:125.6cd/klm
Max.At90:0cd/klm
Max.80-90:125.6cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		12017
90%		10815
80%		9614
70%		8412
60%		7210
50%		6008
40%		4807
30%		3605
20%		2403
10%		1202
5%		601

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
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: MEDIUM
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:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

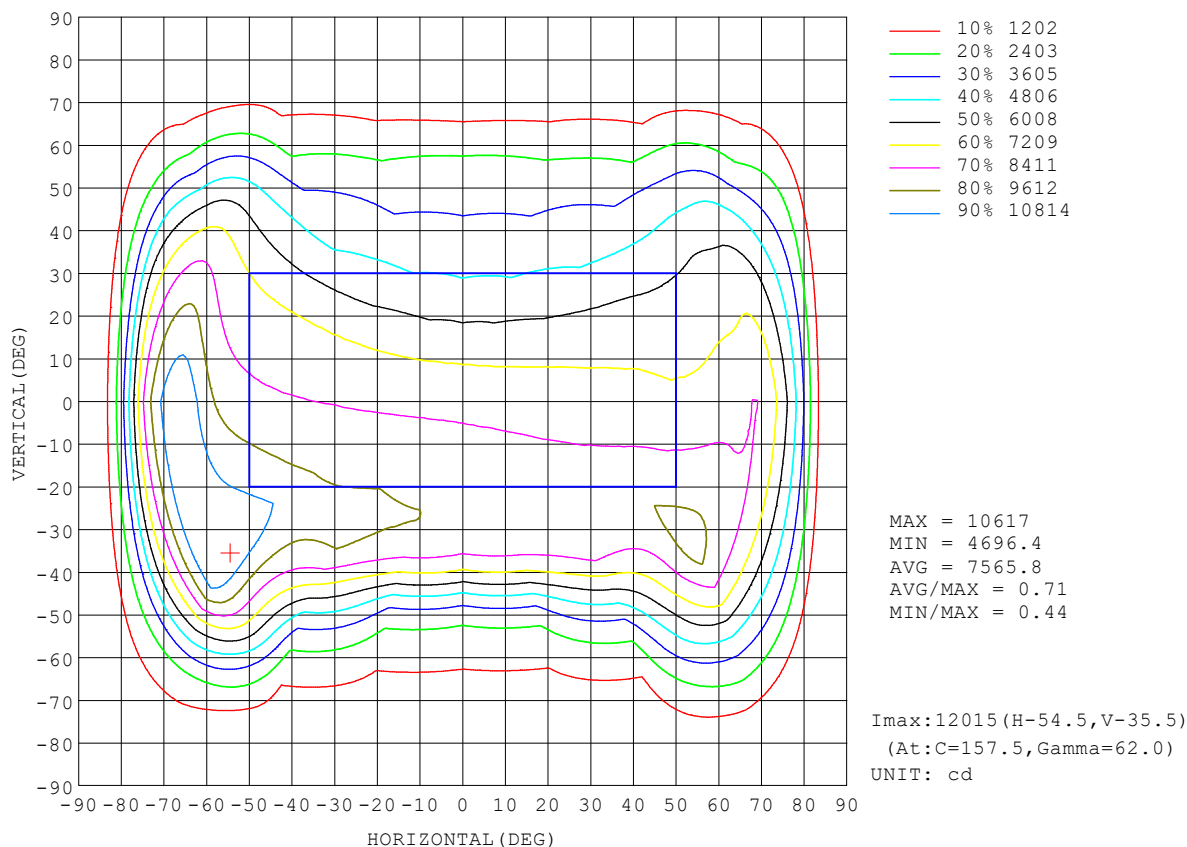
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	792.9	846.0	872.8	861.7	813.4	744.2	704.2	732.1	0- 10	763.5	763.5	2.7,2.69
20	781.9	883.2	927.5	914.3	824.1	673.9	579.4	653.4	10- 20	2232	2996	10.6,10.6
30	773.1	926.0	931.4	975.7	835.2	601.5	469.6	571.2	20- 30	3566	6562	23.2,23.2
40	764.3	949.3	697.3	1005	849.4	522.5	384.7	487.1	30- 40	4639	11201	39.6,39.5
50	746.9	751.0	294.5	817.4	877.4	444.0	320.5	406.4	40- 50	5033	16234	57.4,57.3
60	781.3	365.7	141.3	432.4	1007	342.2	200.1	312.1	50- 60	4837	21071	74.5,74.4
70	830.7	138.8	71.55	164.8	1109	163.1	75.54	144.0	60- 70	4369	25440	90,89.8
80	356.0	38.43	27.91	43.89	316.2	45.33	29.82	38.94	70- 80	2459	27899	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	367.2	28267	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28267	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28267	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28267	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28267	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28267	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28267	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28267	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28267	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28267	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
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

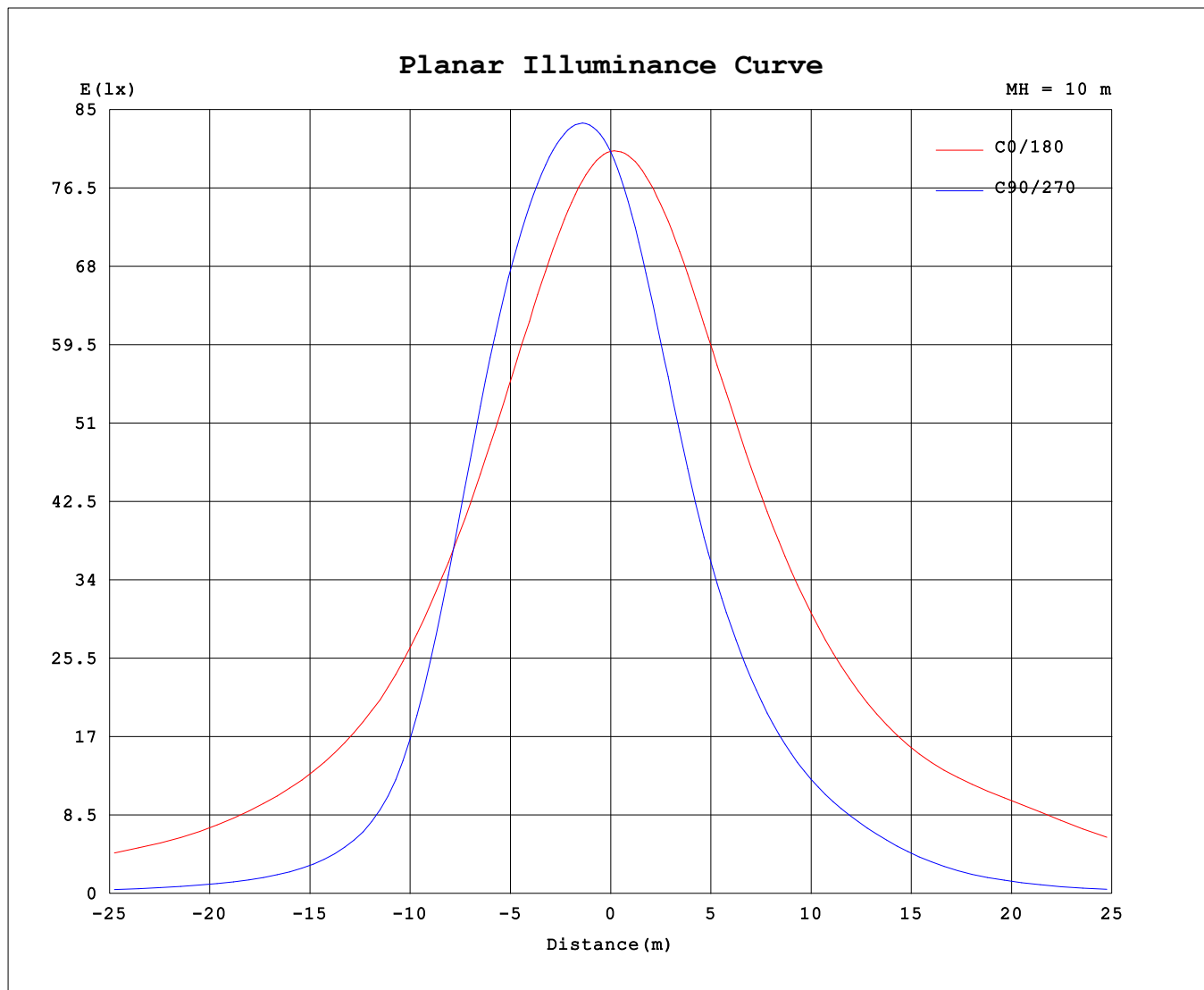
Test:U:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °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:

Planar Illuminance Curve



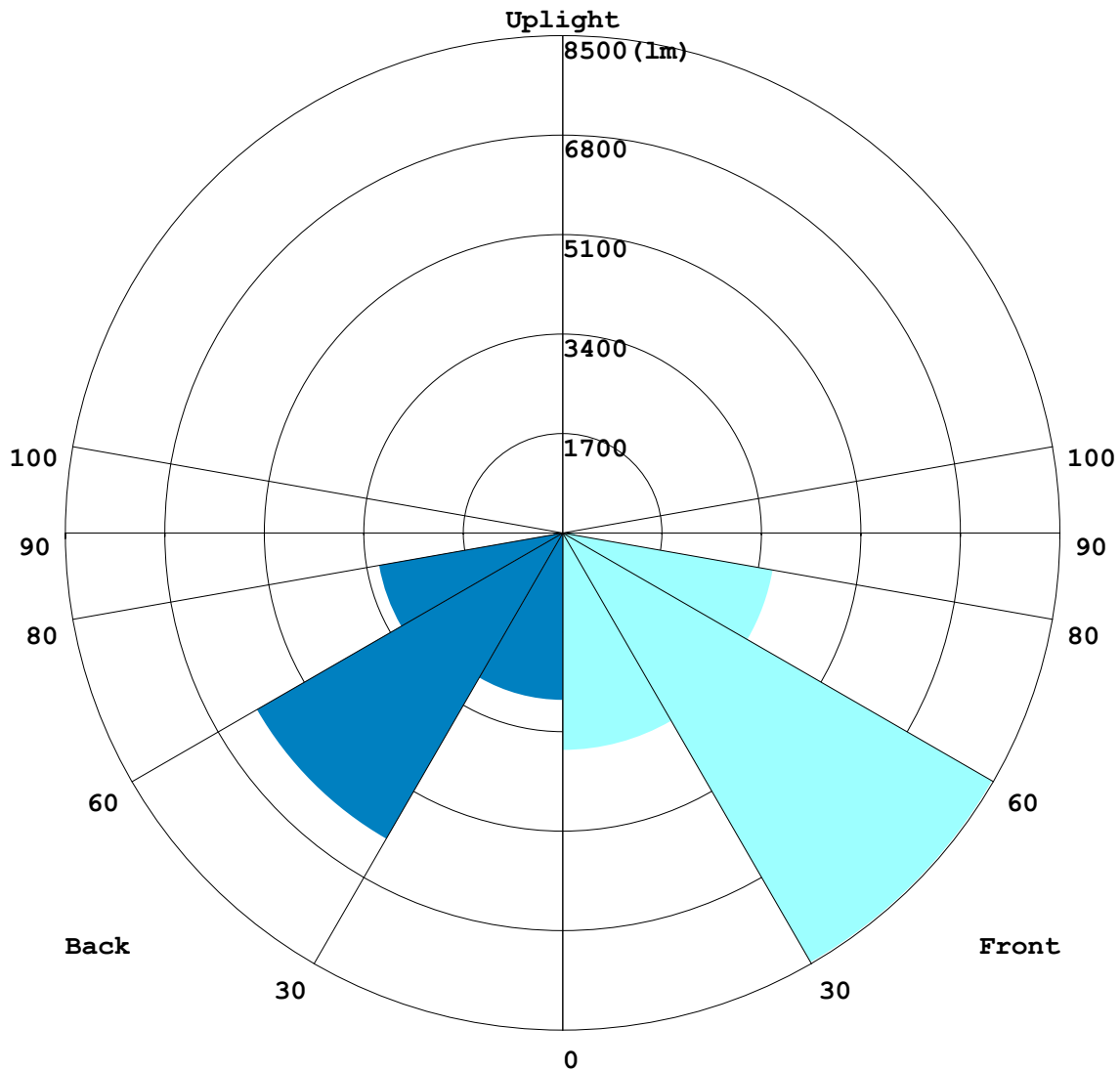
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 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: 25.4℃
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:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 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)	3707.9	13.1
FM - Front-Medium(30-60)	8475.8	30.0
FH - Front-High(60-80)	3643.7	12.9
FVH - Front-Very High(80-90)	212.34	0.8
Total Forward Light	16040	56.7

BL - Back-Low(0-30)	2853.9	10.1
BM - Back-Medium(30-60)	6033.6	21.3
BH - Back-High(60-80)	3184.5	11.3
BVH - Back-Very High(80-90)	154.86	0.5
Total Back Light	12227	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	12227	0	12227
Street Side	16040	0	16040

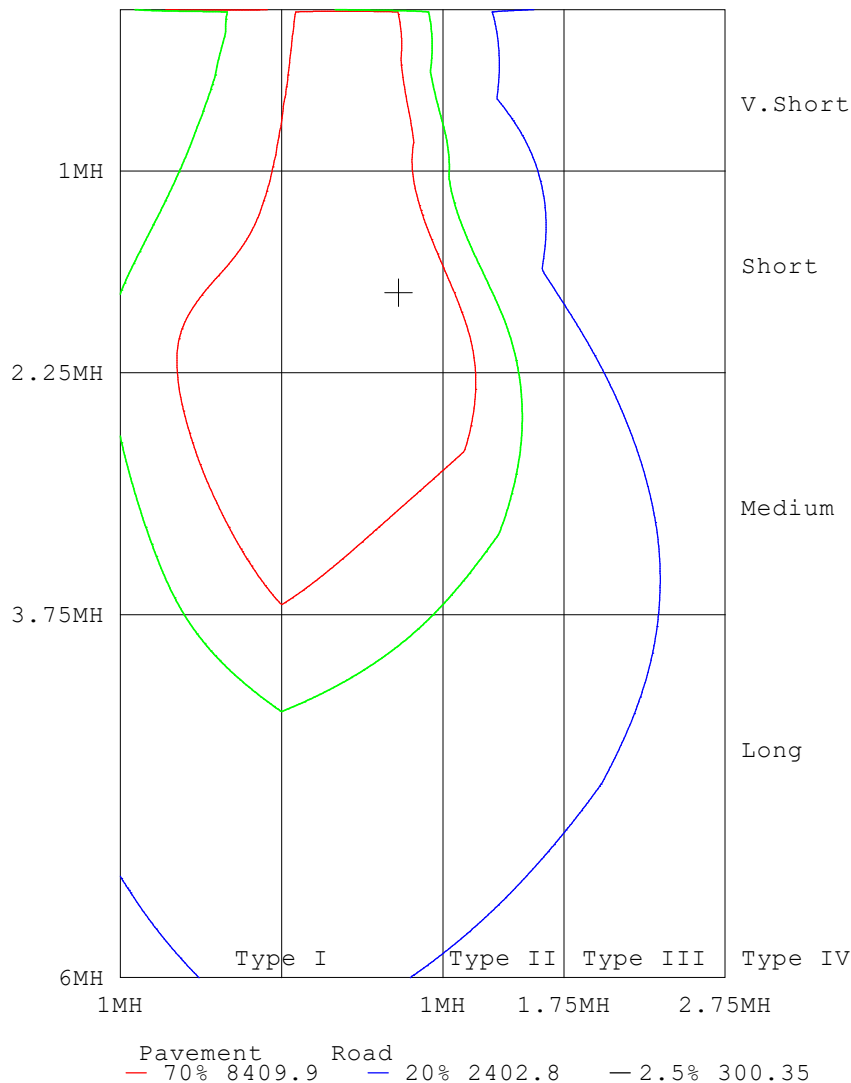
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 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: 25.4 °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:118.92V I:1.6547A P:196.69W PF:0.9996 Freq:60.01Hz Lamp Flux:28333x1 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	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804			
5	799	814	826	835	840	841	835	823	809	792	777	765	759	761	770	783			
10	793	822	846	864	873	872	862	841	813	780	744	717	704	710	732	761			
15	787	830	864	890	902	903	887	858	819	768	710	663	643	656	693	741			
20	782	836	883	915	927	931	914	875	824	758	674	606	579	598	653	722			
25	778	845	903	935	944	956	945	894	828	749	638	551	519	540	613	705			
30	773	856	926	938	931	962	976	913	835	743	601	500	470	490	571	687			
35	769	874	949	901	857	922	1000	939	840	738	563	453	426	444	529	673			
40	764	898	949	787	697	801	1005	976	849	732	523	408	385	403	487	657			
45	754	929	893	587	474	599	949	1028	860	725	483	368	351	365	446	639			
50	747	962	751	365	294	379	817	1092	877	720	444	333	321	332	406	616			
55	755	1001	553	234	198	246	631	1158	911	722	404	286	274	289	363	602			
60	781	1018	366	161	141	168	432	1197	1007	739	342	216	200	217	312	599			
65	806	938	231	114	105	119	274	1185	1171	740	252	146	128	145	231	571			
70	831	760	139	81.6	71.5	84.6	165	955	1109	584	163	92.7	75.5	89.1	144	472			
75	655	483	79.5	51.8	45.6	53.2	94.6	533	826	317	99.4	56.8	49.2	53.9	82.5	263			
80	356	243	38.4	28.3	27.9	29.6	43.9	196	316	116	45.3	31.7	29.8	29.5	38.9	117			
85	52.0	58.4	12.2	10.3	12.2	11.9	13.5	50.4	53.0	28.1	10.3	10.5	9.94	9.10	9.04	25.9			
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: 25.4℃
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: