

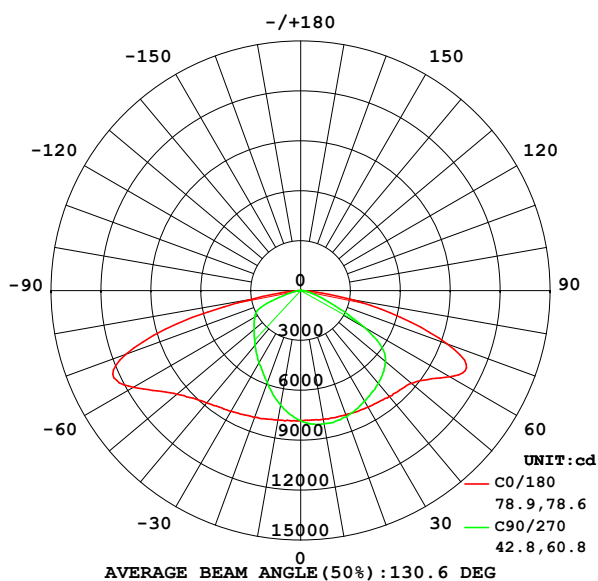
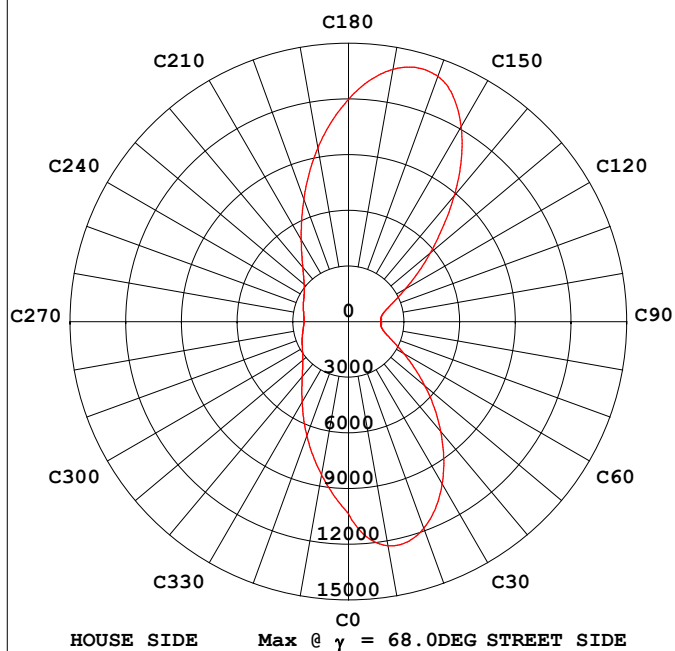
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz

Lamp Flux:32847x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.67 lm/W			
MODEL	AL-300WS-3CS-T3	Imax (cd)	13829	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	58.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32772	η house_up (%)	0.0
NOMINAL FLUX (lm)	32847	MAXIMUM @ (C, γ)	158,68.0	η house_down (%)	41.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.237

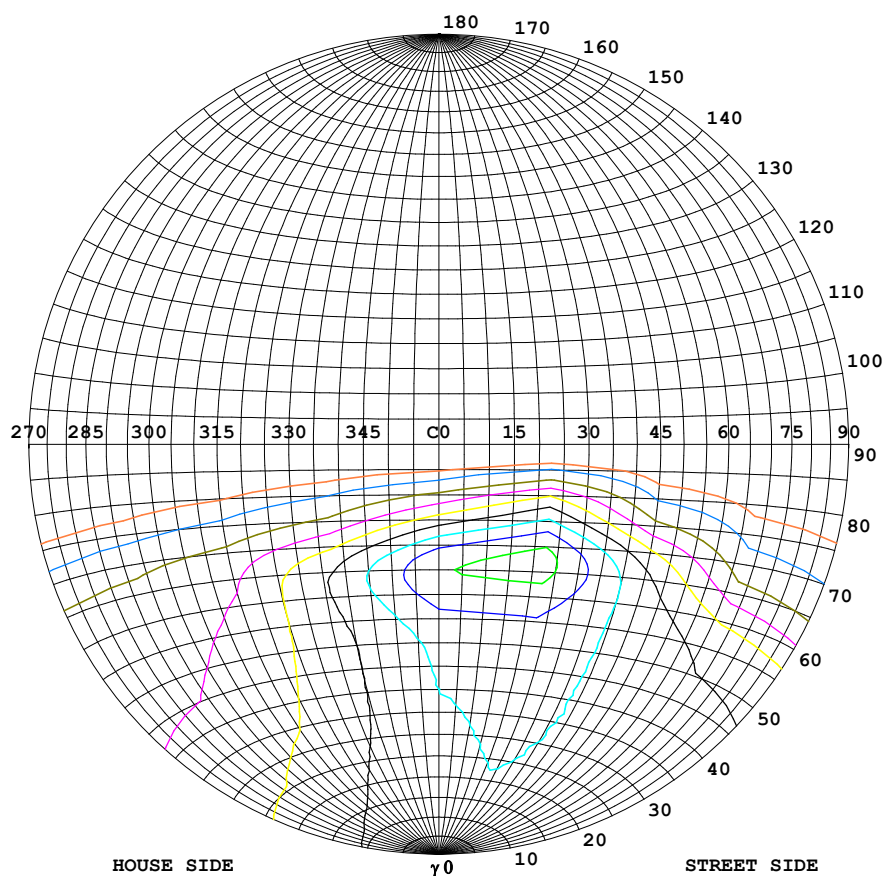
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



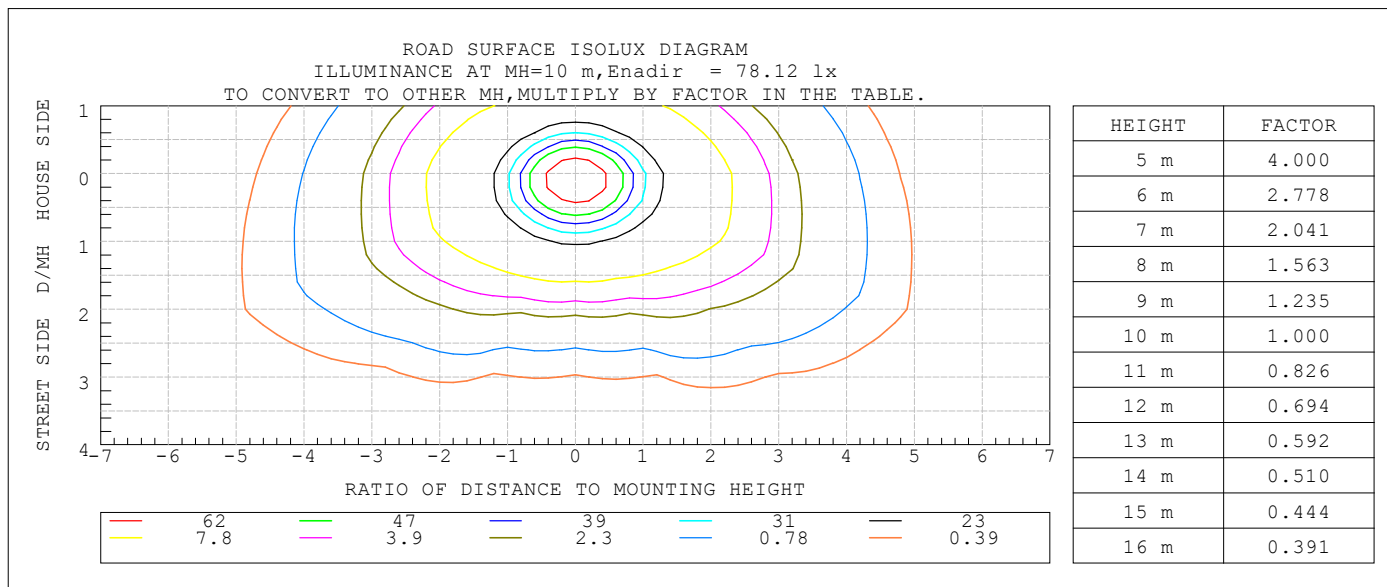
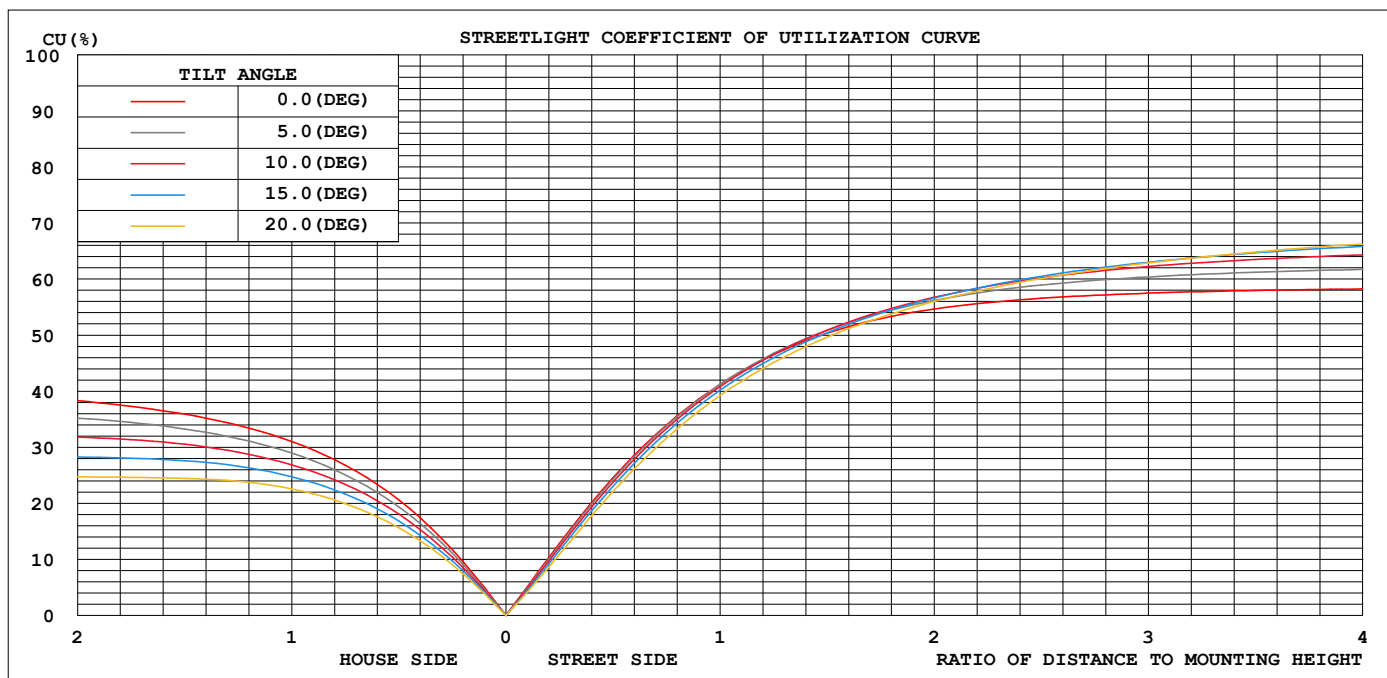
Classification:

IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:165.1cd/klm
Max.At90:0cd/klm
Max.80-90:165.1cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		13829
90%		12446
80%		11063
70%		9681
60%		8298
50%		6915
40%		5532
30%		4149
20%		2766
10%		1383
5%		691

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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

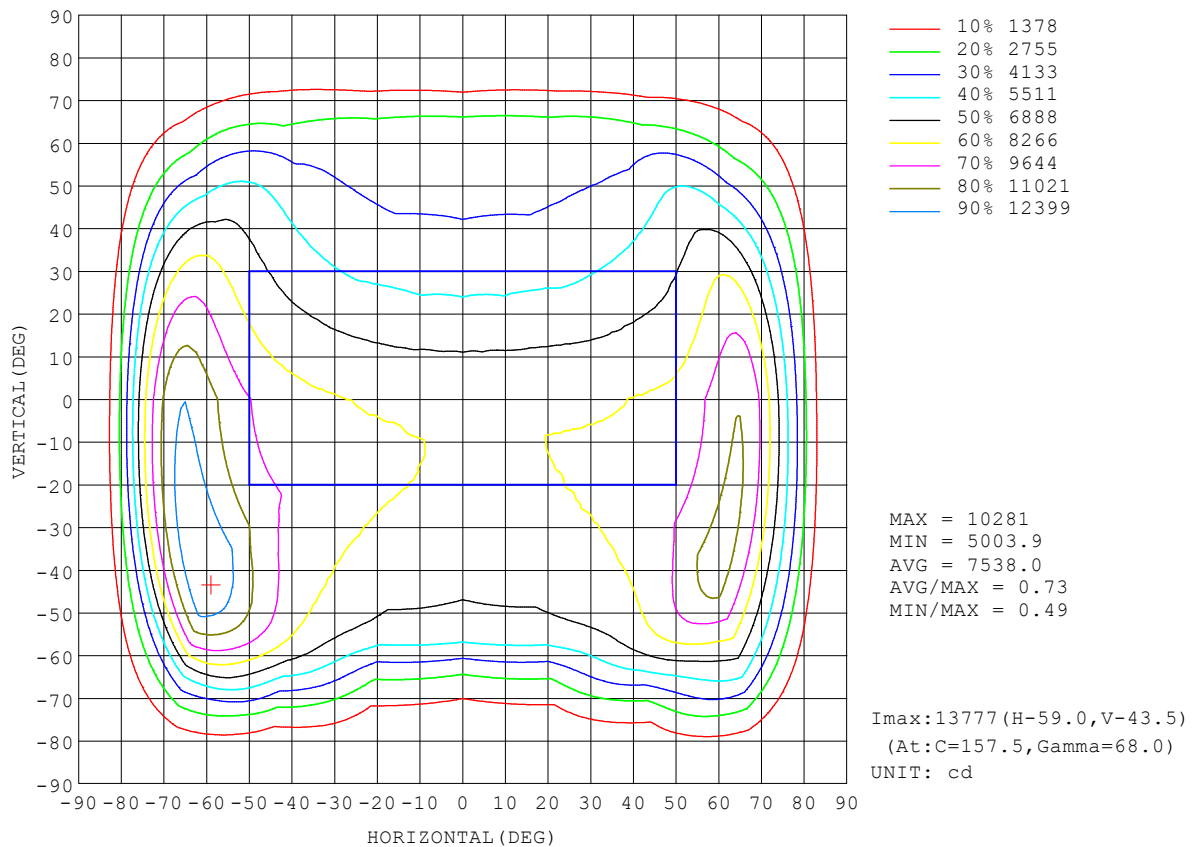
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	786.1	809.8	813.7	822.9	789.9	731.1	699.0	731.1	0- 10	741.9	741.9	2.26,2.26
20	794.8	817.6	806.6	838.8	811.6	660.0	589.6	661.4	10- 20	2151	2893	8.83,8.81
30	809.2	813.7	767.4	842.9	838.9	588.6	500.1	581.6	20- 30	3386	6279	19.2,19.1
40	830.7	807.2	727.5	842.5	882.0	535.6	427.0	521.7	30- 40	4434	10713	32.7,32.6
50	867.9	798.9	667.4	844.2	971.2	490.7	366.2	473.9	40- 50	5335	16048	49,48.9
60	1037	769.1	437.5	842.8	1162	445.8	319.5	427.4	50- 60	6132	22179	67.7,67.5
70	935.9	578.5	139.3	633.5	1116	299.4	188.4	306.3	60- 70	6309	28489	86.9,86.7
80	305.6	128.6	41.64	154.2	299.9	76.52	37.80	64.27	70- 80	3691	32180	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	591.6	32772	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	32772	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	32772	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	32772	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	32772	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	32772	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	32772	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	32772	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	32772	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	32772	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

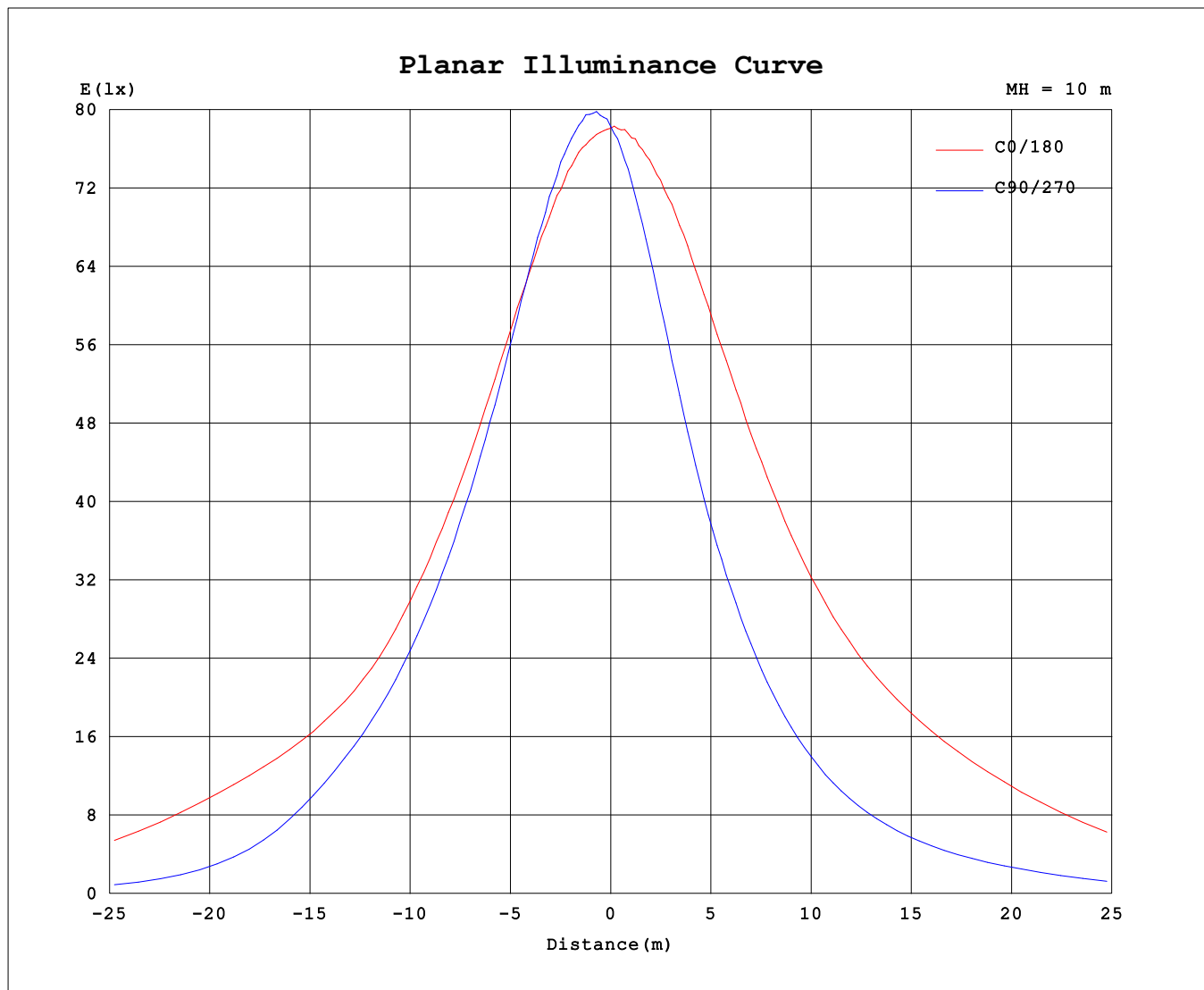
Test:U:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



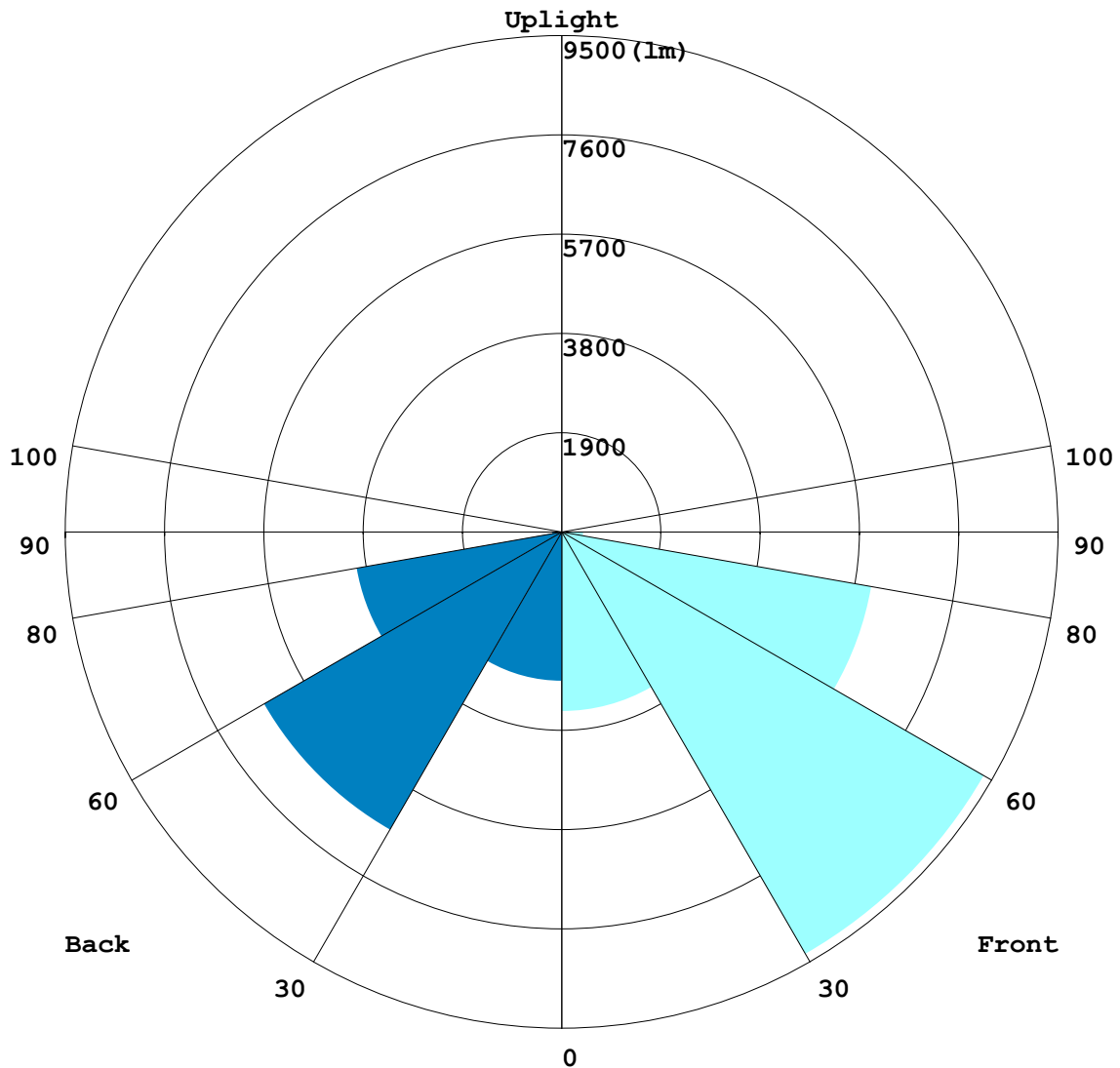
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.4 °C
 Operators: DAMIN
 Test Date: 2024-12-29

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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3430.7	10.5
FM - Front-Medium(30-60)	9324.9	28.5
FH - Front-High(60-80)	6018	18.4
FVH - Front-Very High(80-90)	414.38	1.3
Total Forward Light	19188	58.6

BL - Back-Low(0-30)	2848	8.7
BM - Back-Medium(30-60)	6575.5	20.1
BH - Back-High(60-80)	3982.8	12.2
BVH - Back-Very High(80-90)	177.24	0.5
Total Back Light	13584	41.4

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	13584	0	13584
Street Side	19188	0	19188

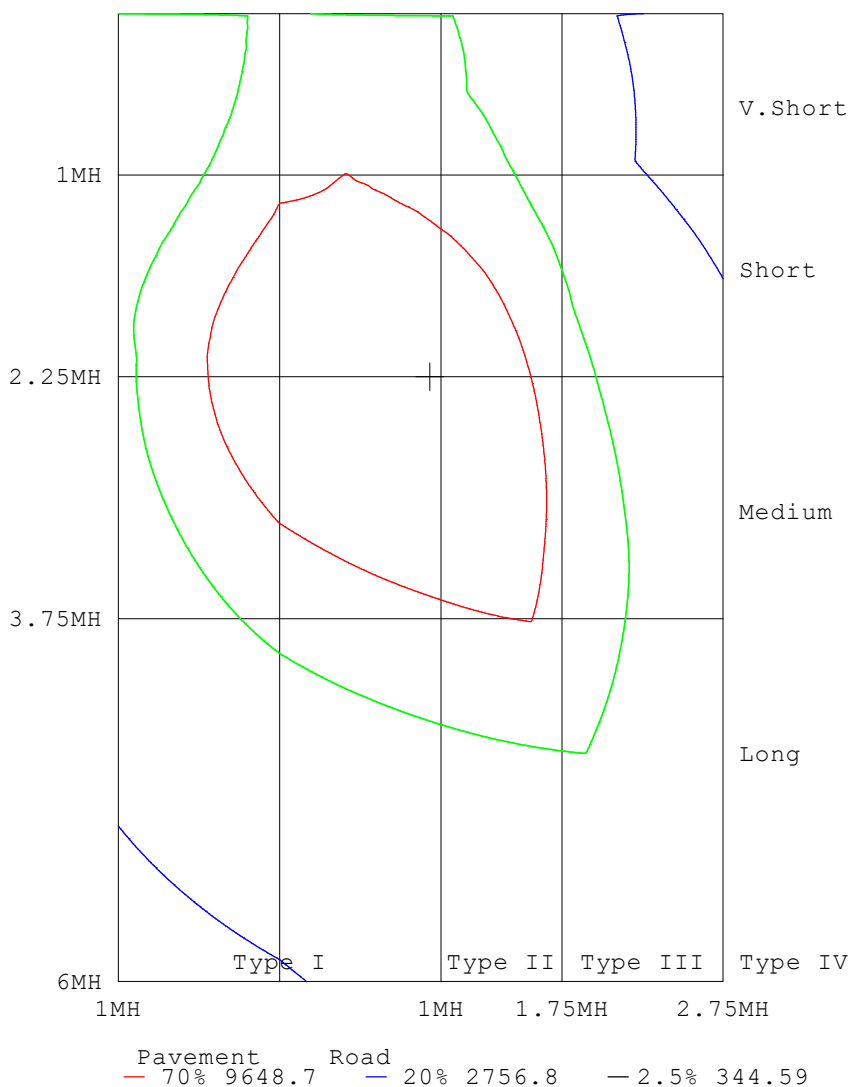
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 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:118.82V I:1.9896A P:236.33W PF:0.9996 Freq:60.01Hz Lamp Flux:32847x1 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	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782			
5	782	789	802	800	805	809	803	799	786	770	760	747	748	751	758	773			
10	786	799	810	810	814	819	823	810	790	759	731	708	699	708	731	758			
15	792	810	816	810	813	822	830	827	798	750	699	658	647	659	696	744			
20	795	821	818	806	807	819	839	843	812	736	660	606	590	608	661	733			
25	804	833	816	795	789	810	842	862	823	724	623	559	541	561	618	718			
30	809	845	814	777	767	794	843	877	839	714	589	520	500	519	582	700			
35	817	854	815	760	747	776	843	893	855	706	562	483	464	482	551	686			
40	831	869	807	743	728	756	843	920	882	705	536	448	427	450	522	677			
45	845	889	802	723	701	737	841	950	915	706	511	416	396	416	496	674			
50	868	909	799	693	667	701	844	999	971	716	491	386	366	386	474	672			
55	934	954	786	647	597	653	845	1080	1052	735	469	358	341	361	451	685			
60	1037	1041	769	535	437	536	843	1213	1162	748	446	333	319	336	427	708			
65	1100	1147	726	346	257	352	800	1348	1240	722	396	302	289	305	393	696			
70	936	1097	579	195	139	202	633	1356	1116	578	299	222	188	231	306	531			
75	620	851	319	103	78.0	107	377	1077	767	346	183	105	80.7	105	163	307			
80	306	542	129	52.8	41.6	53.9	154	531	300	134	76.5	43.7	37.8	43.4	64.3	136			
85	58.6	145	31.6	18.6	16.6	20.8	32.4	128	60.5	30.1	15.3	12.5	11.2	11.5	14.0	28.4			
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: