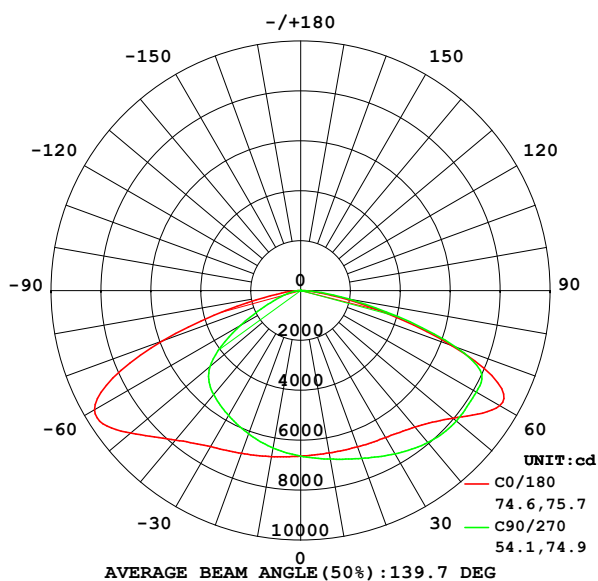
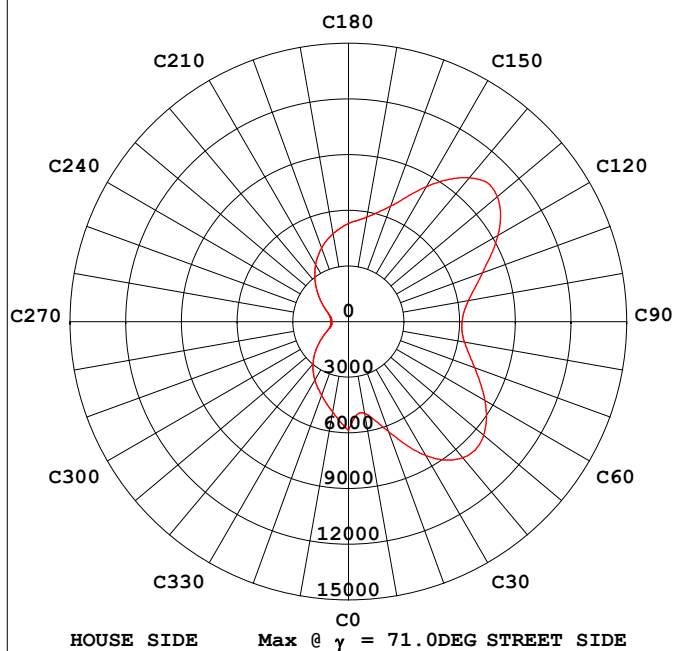


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.49 lm/W			
MODEL	AL-240WS-3CS-T4	Imax (cd)	10598	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	60.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33478	η house_up (%)	0.0
NOMINAL FLUX (lm)	33553.6	MAXIMUM @ (C, γ)	135,71.0	η house_down (%)	39.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.252

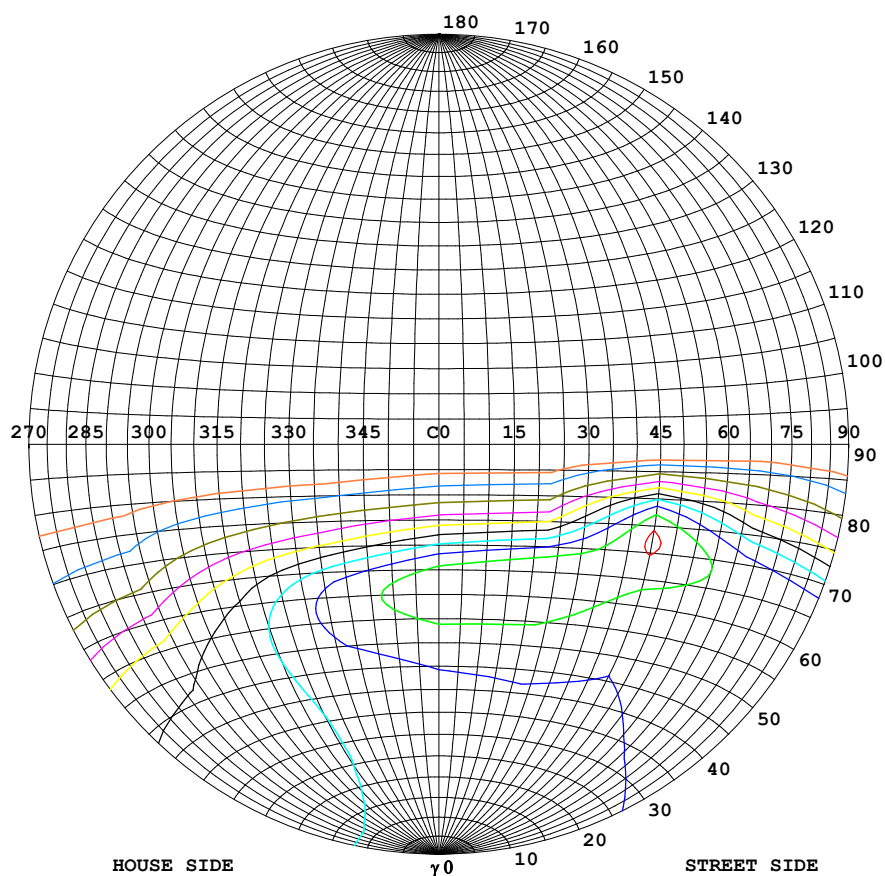
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8 °C
Operators: DAMIN
Test Date: 2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

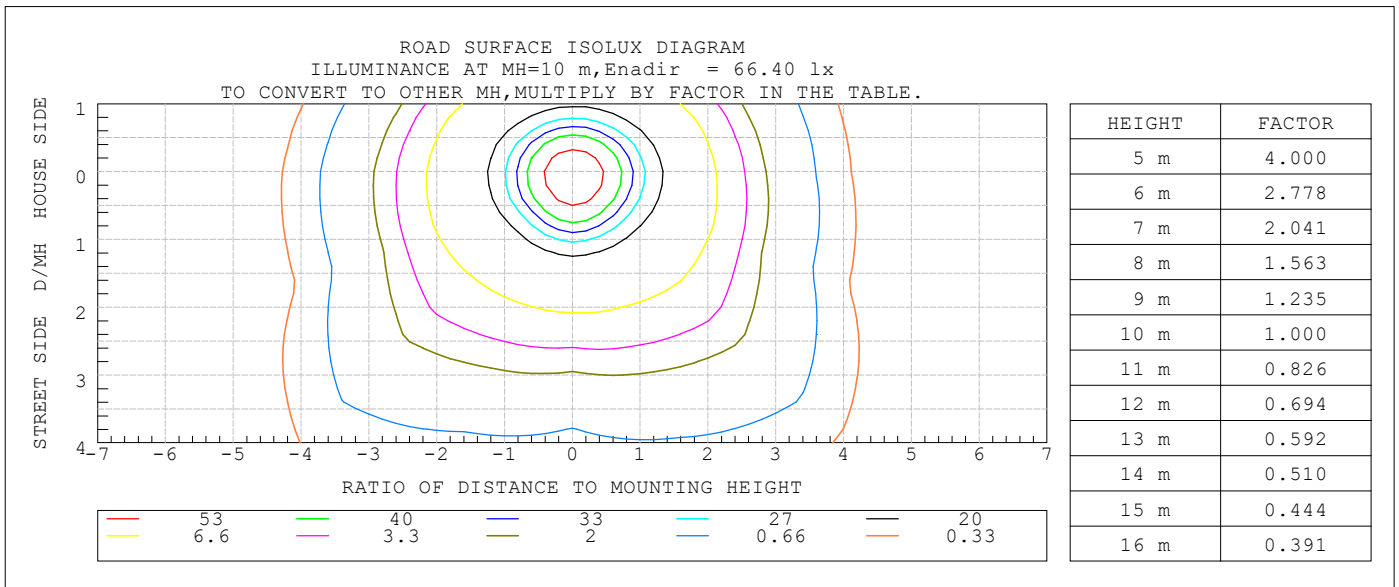
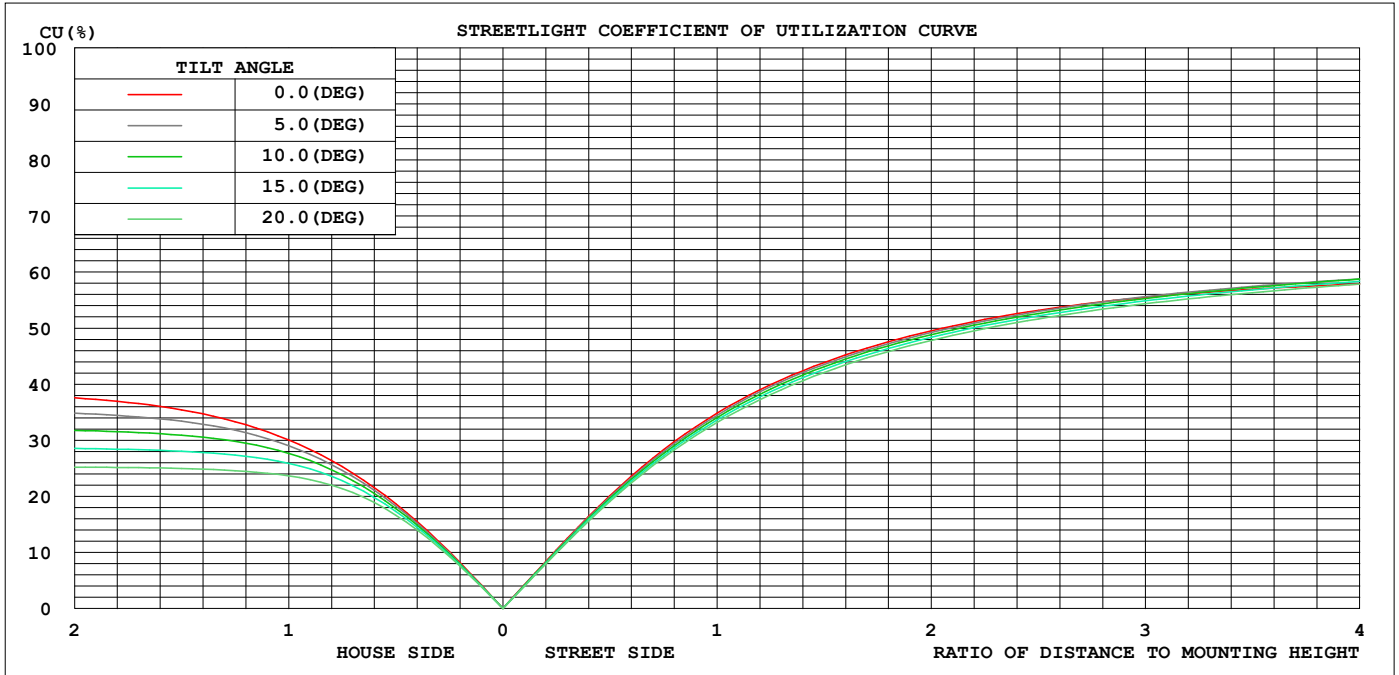
IES:Type IV - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:187.3cd/klm
Max.At90:0cd/klm
Max.80-90:187.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10598
90%	9539
80%	8479
70%	7419
60%	6359
50%	5299
40%	4239
30%	3180
20%	2120
10%	1060
5%	530

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

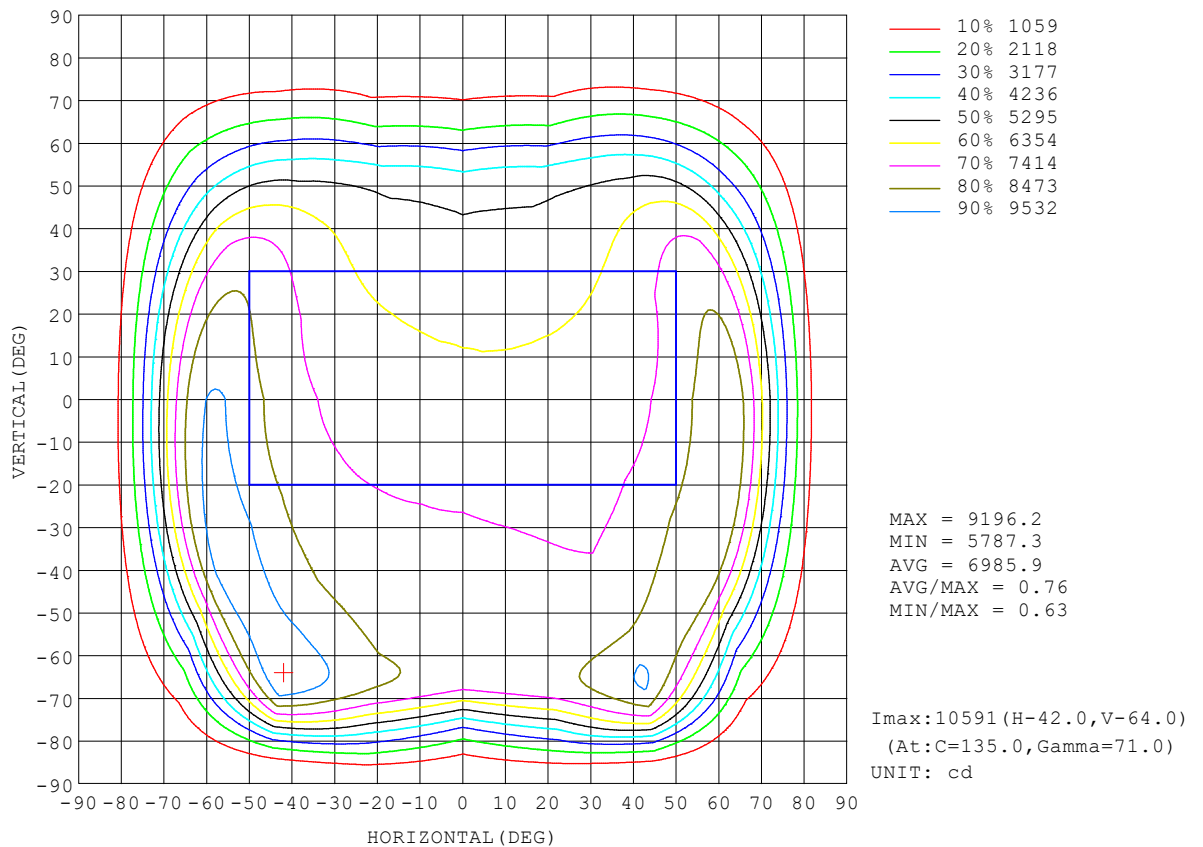
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	660.8	674.9	685.9	686.6	675.7	654.5	640.6	645.2	0- 10	634.4	634.4	1.89,1.89
20	666.4	691.4	716.2	715.0	694.1	645.8	611.1	630.5	10- 20	1895	2529	7.55,7.54
30	679.8	709.0	756.0	746.0	722.4	638.3	578.6	616.9	20- 30	3130	5659	16.9,16.9
40	714.2	726.6	793.9	780.6	782.3	641.3	543.9	609.4	30- 40	4336	9994	29.9,29.8
50	796.0	755.4	814.1	831.9	888.5	642.0	474.4	608.6	40- 50	5538	15532	46.4,46.3
60	921.9	812.6	813.2	920.8	954.1	533.8	276.1	544.9	50- 60	6587	22119	66.1,65.9
70	645.2	960.8	660.6	1059	587.8	269.8	107.3	292.7	60- 70	6567	28686	85.7,85.5
80	159.4	628.6	196.9	579.1	122.7	61.92	37.05	64.38	70- 80	3999	32685	97.6,97.4
90	0	0	0	0	0	0	0	0	80- 90	793.3	33478	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	33478	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	33478	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	33478	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	33478	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	33478	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	33478	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	33478	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	33478	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	33478	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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

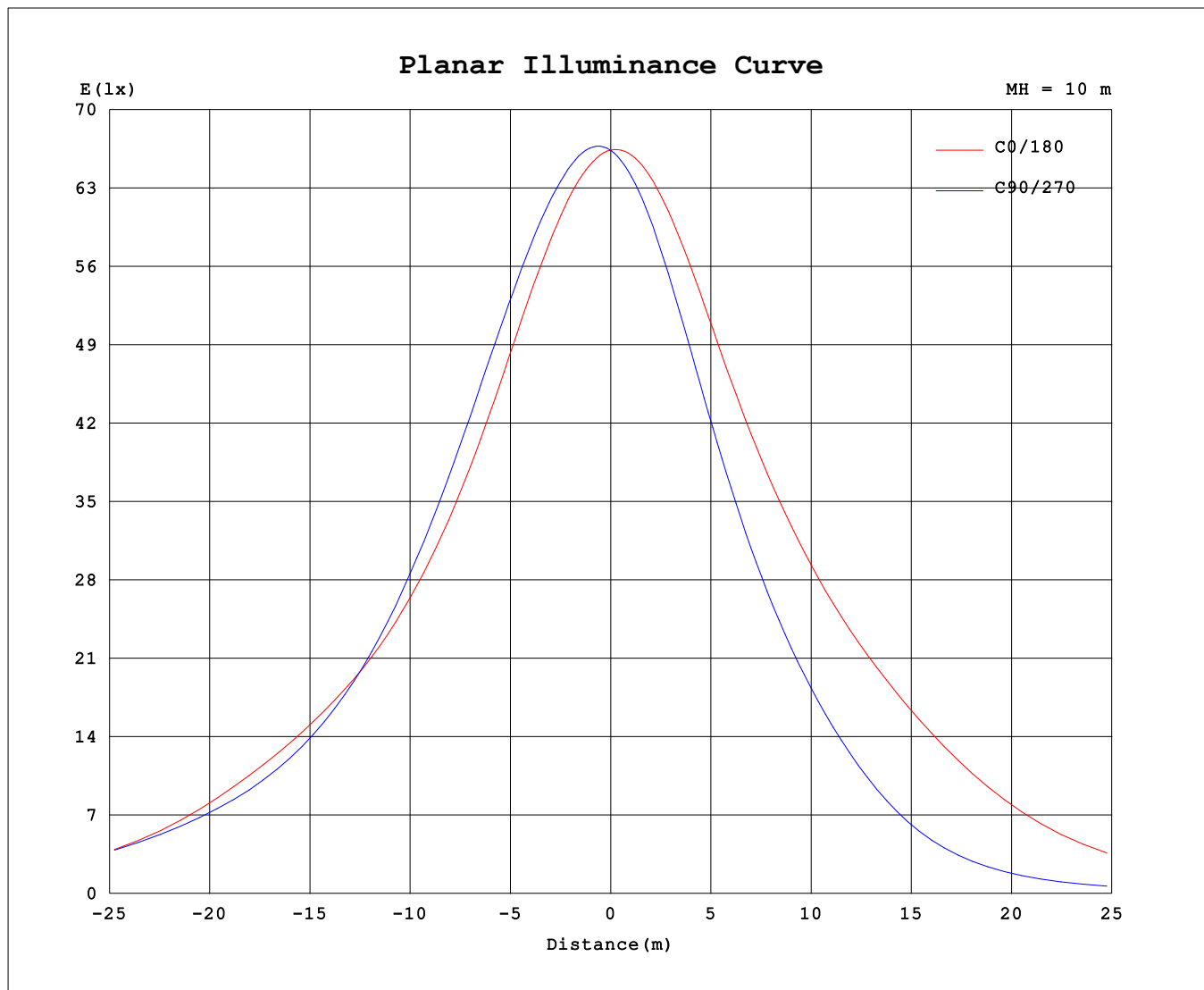
Test:U:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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



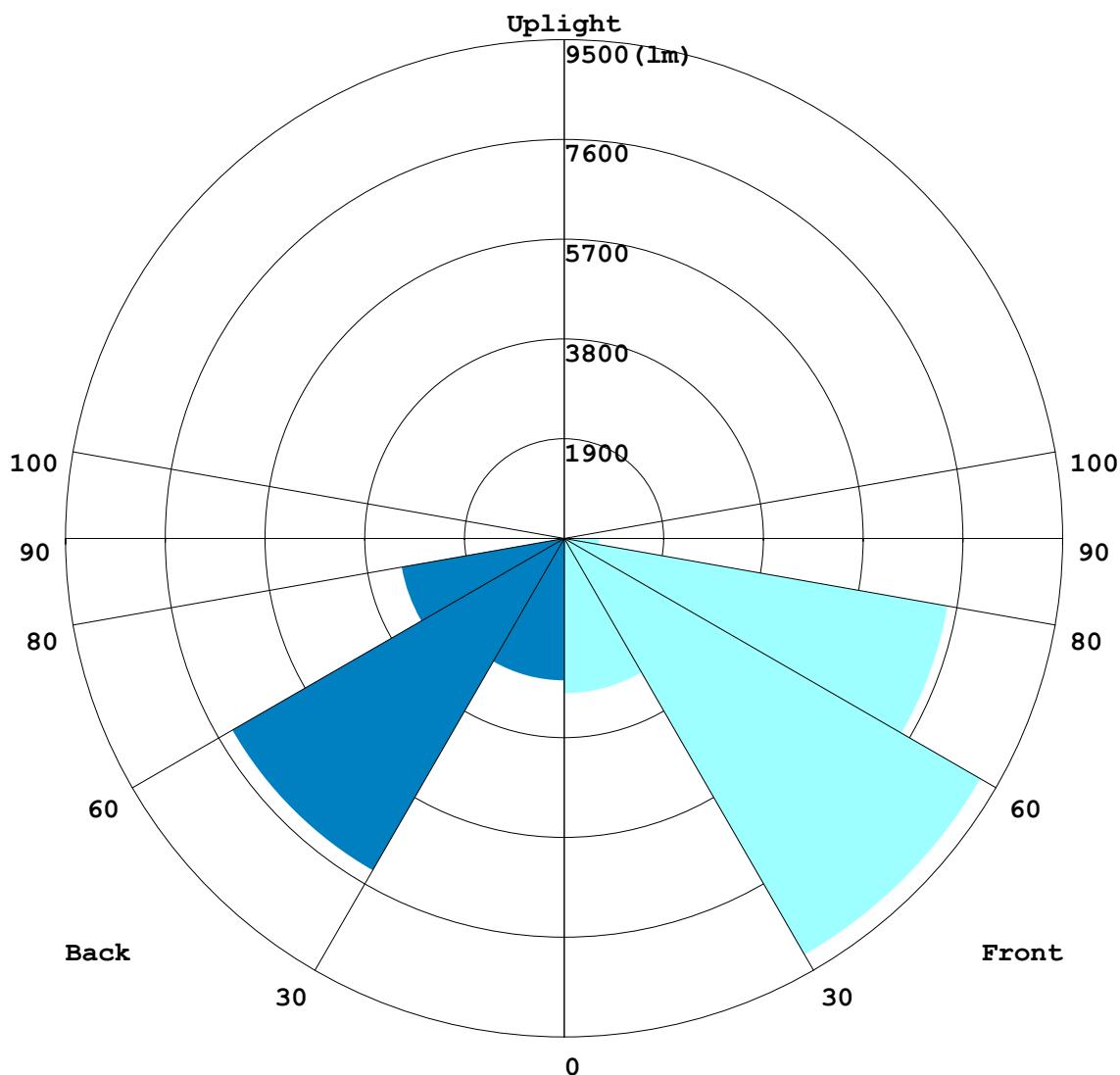
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8℃
 Operators:DAMIN
 Test Date:2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 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: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 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)	2950.5	8.8
FM - Front-Medium(30-60)	9159.2	27.4
FH - Front-High(60-80)	7420.2	22.2
FVH - Front-Very High(80-90)	663.62	2.0
Total Forward Light	20193	60.3

BL - Back-Low(0-30)	2708.2	8.1
BM - Back-Medium(30-60)	7301.6	21.8
BH - Back-High(60-80)	3145.5	9.4
BVH - Back-Very High(80-90)	129.66	0.4
Total Back Light	13285	39.7

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	13285	0	13285
Street Side	20193	0	20193

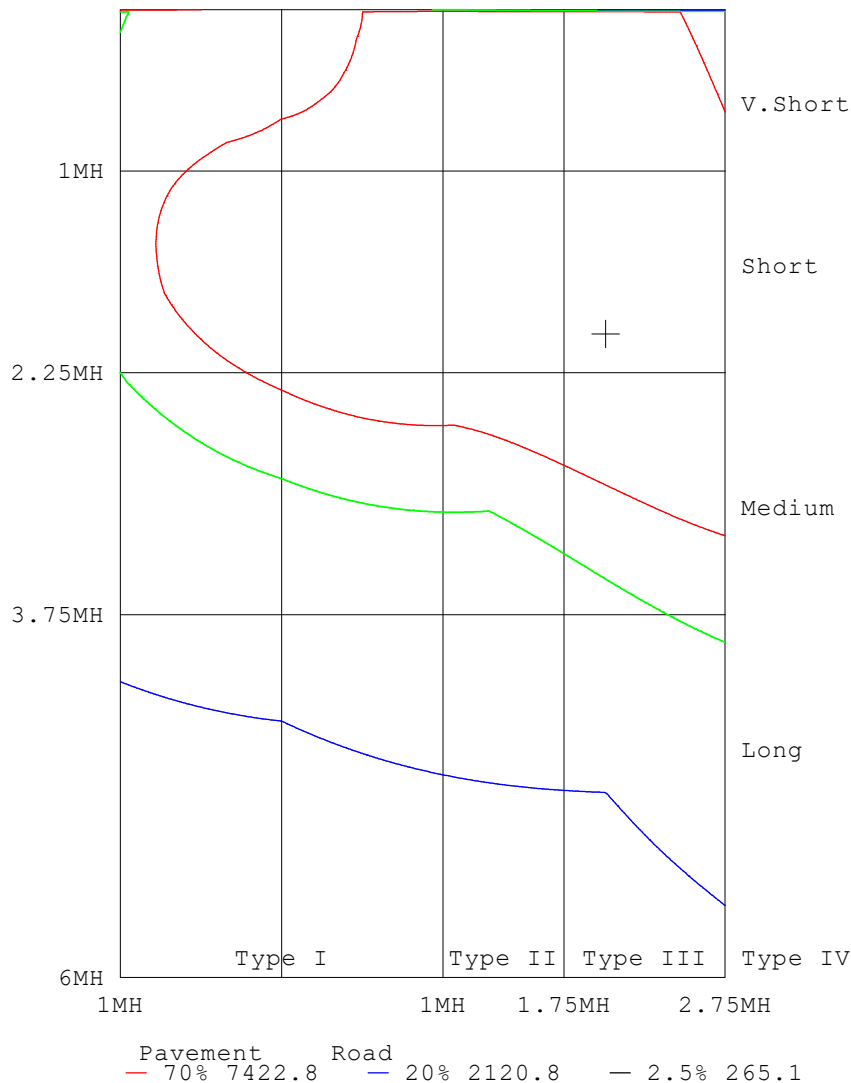
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 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: 24.8°C
Operators:DAMIN
Test Date:2024-12-22

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:118.86V I:1.8474A P:219.54W PF:0.9998 Freq:60.01Hz Lamp Flux:33553.6x1 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	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663			
5	661	665	669	672	674	675	675	672	668	664	659	655	652	652	654	658			
10	661	668	675	681	686	688	687	682	676	666	655	645	641	640	645	654			
15	662	673	682	691	699	702	700	694	684	669	650	634	627	628	637	652			
20	666	680	691	704	716	718	715	707	694	673	646	622	611	614	631	652			
25	672	688	701	718	735	737	730	721	707	679	642	609	595	601	623	653			
30	680	699	709	734	756	755	746	738	722	689	638	597	579	587	617	657			
35	694	713	717	749	776	772	762	760	747	706	638	584	562	572	612	665			
40	714	732	727	762	794	787	781	789	782	731	641	572	544	558	609	681			
45	747	760	739	773	808	801	803	831	829	765	645	555	519	540	609	707			
50	796	799	755	782	814	813	832	884	889	802	642	522	474	510	609	744			
55	864	856	778	788	813	824	869	949	948	823	612	457	389	451	595	785			
60	922	920	813	798	813	839	921	1005	954	786	534	346	276	347	545	792			
65	871	936	876	814	801	865	994	988	831	661	412	224	175	229	439	686			
70	645	737	961	779	661	830	1059	762	588	451	270	132	107	136	293	454			
75	367	421	932	585	404	633	960	430	311	258	147	76.1	65.5	77.2	158	252			
80	159	182	629	339	197	376	579	185	123	109	61.9	40.2	37.1	40.2	64.4	99.3			
85	39.5	43.6	185	129	63.3	147	152	54.8	32.4	21.4	15.8	12.7	13.3	12.8	15.2	15.1			
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: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: