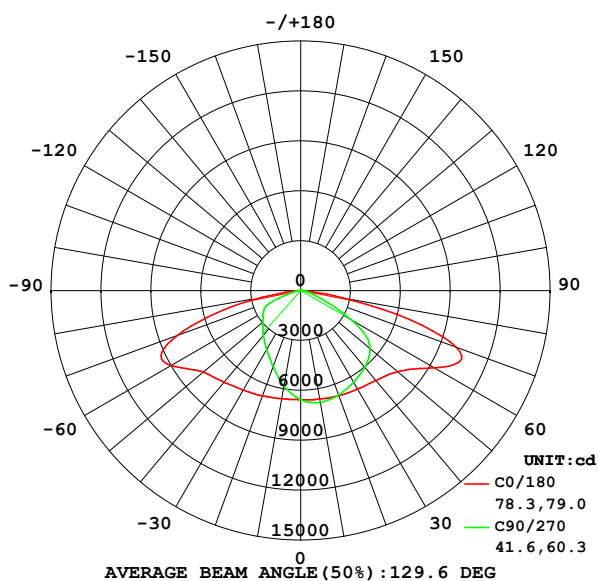
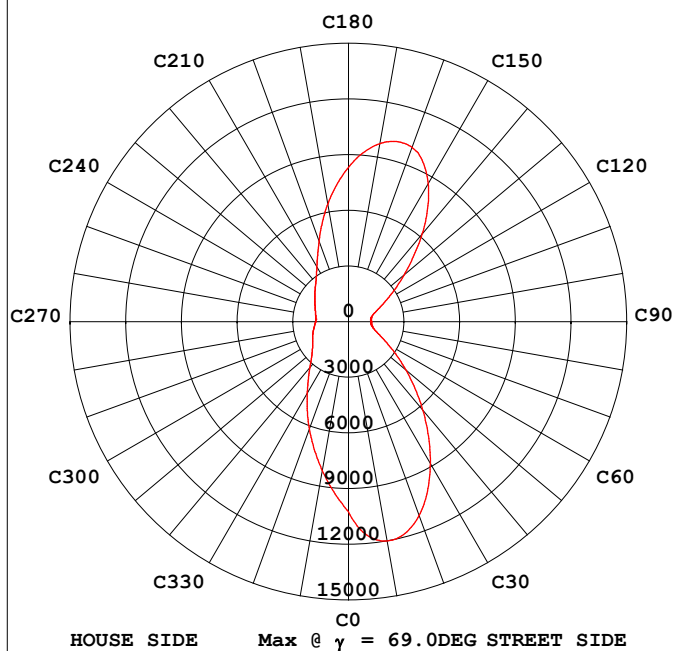


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.51 lm/W			
MODEL	AL-300WS-3CS-T3	Imax(cd)	10650	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	99.8	η street_down(%)	59.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	26934	η house_up(%)	0.0
NOMINAL FLUX(lm)	26995.7	MAXIMUM @ (C, γ)	23,69.0	η house_down(%)	40.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.8	SLI	24.848

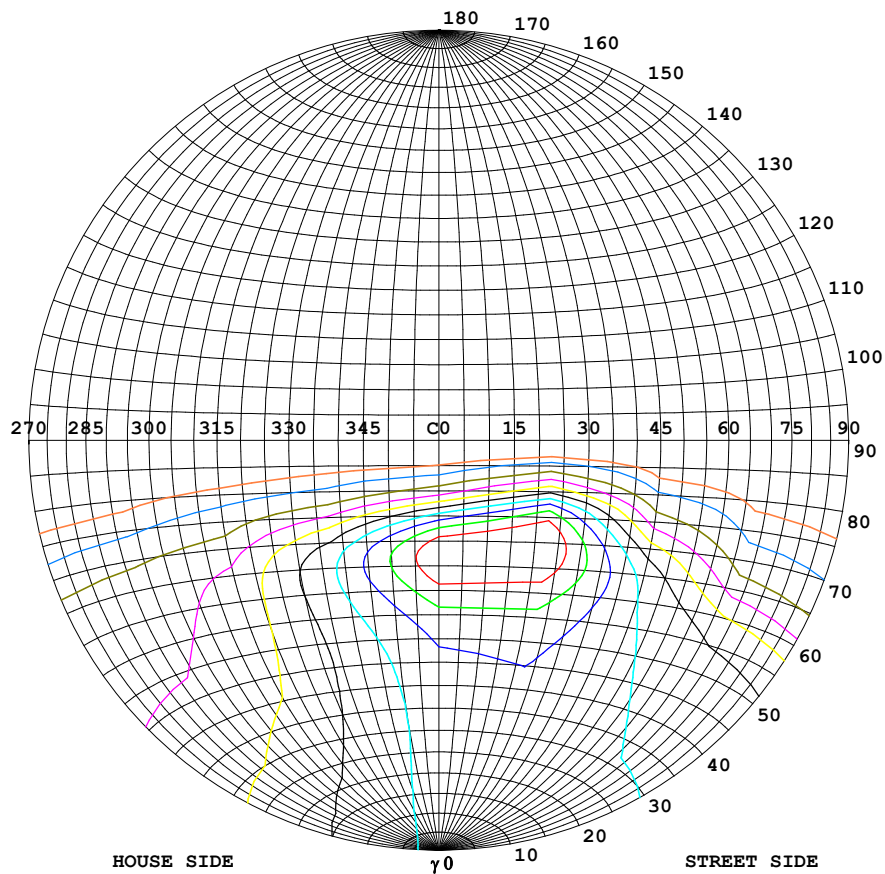
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

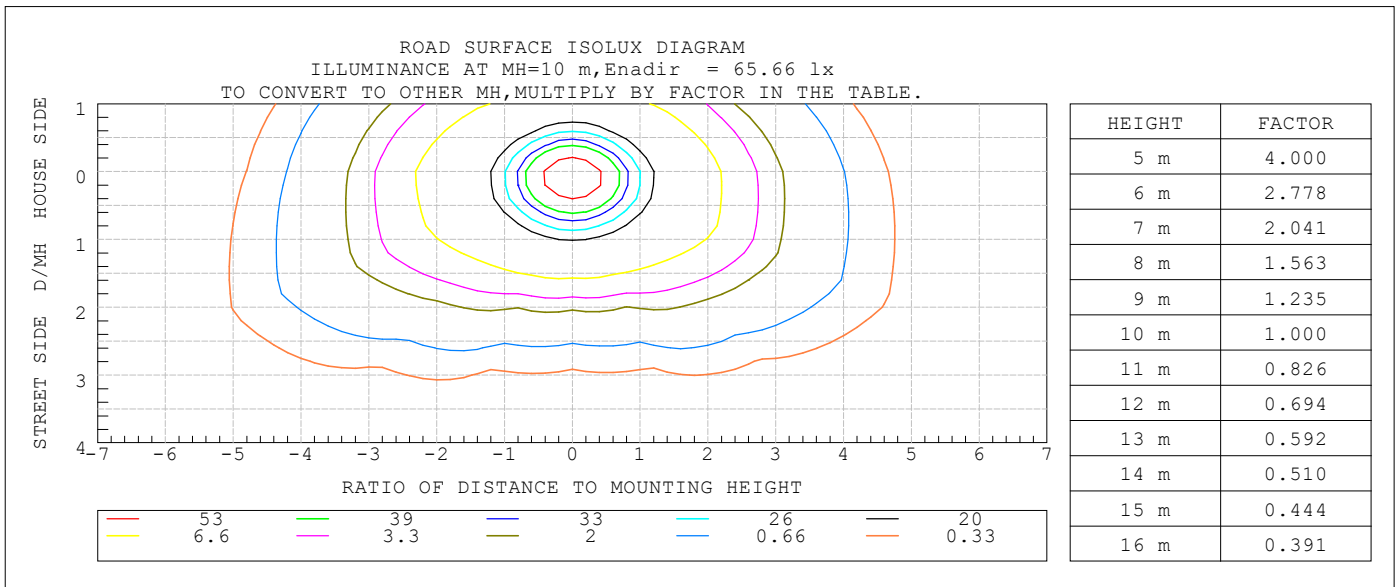
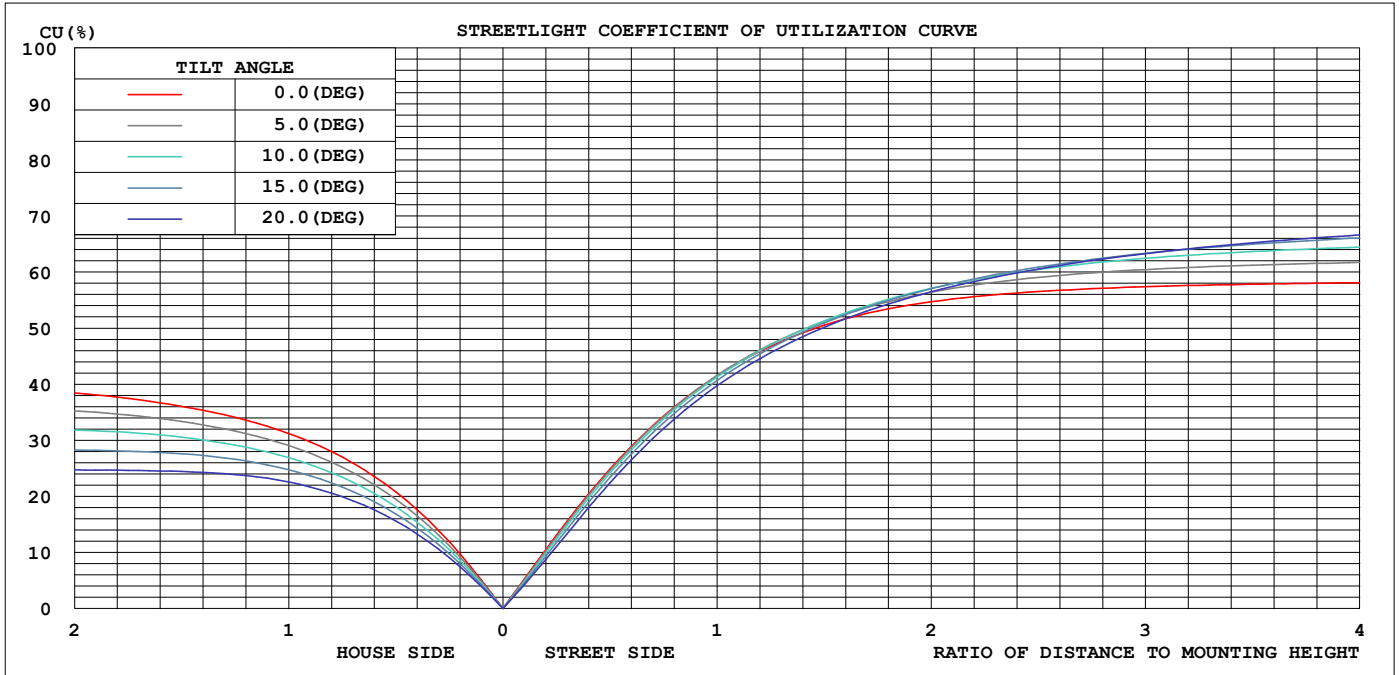
IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:189.9cd/klm
Max.At90:0cd/klm
Max.80-90:189.9cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		10650
90%		9585
80%		8520
70%		7455
60%		6390
50%		5325
40%		4260
30%		3195
20%		2130
10%		1065
5%		533

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
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: 25.5℃
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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

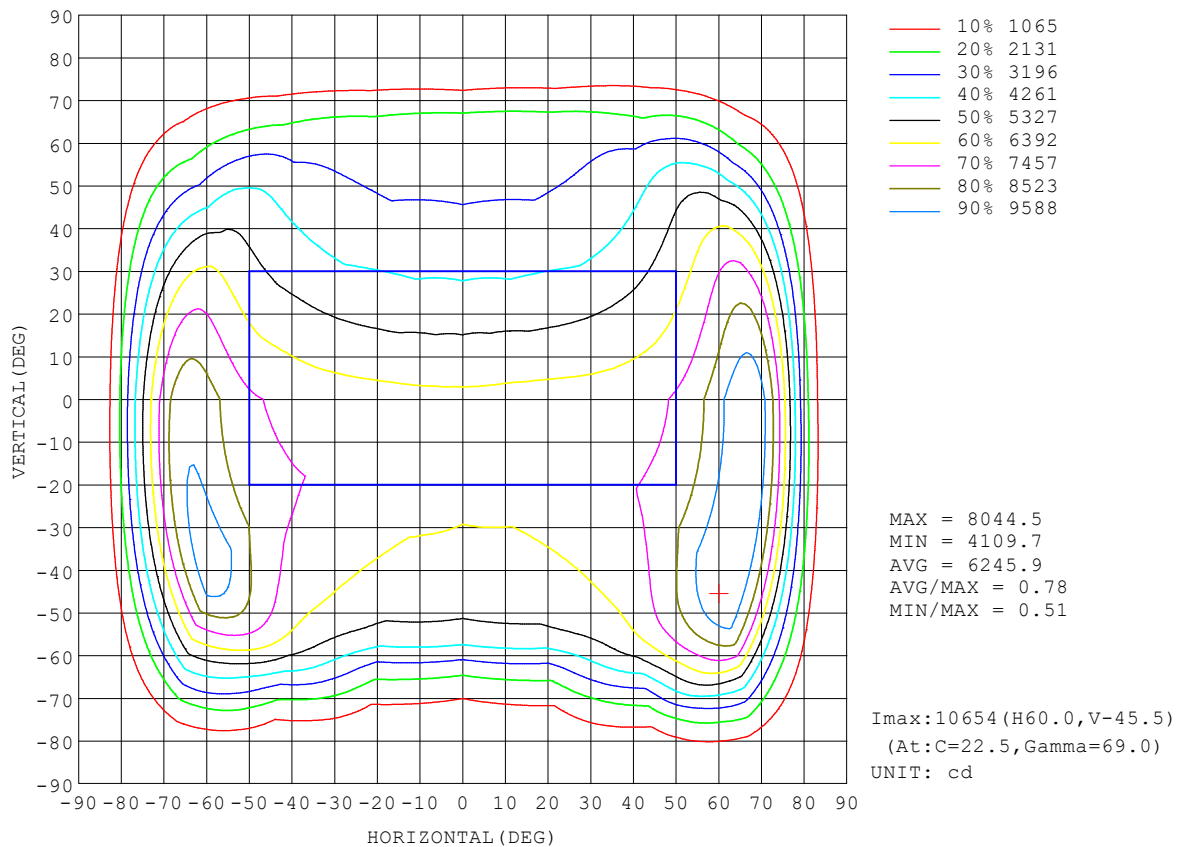
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	662.5	682.7	682.0	685.0	660.7	609.2	581.6	610.2	0- 10	621.9	621.9	2.31,2.3
20	672.3	687.1	668.8	694.8	674.0	543.8	486.6	547.0	10- 20	1796	2417	8.98,8.95
30	683.4	678.8	636.8	691.4	691.2	480.6	410.9	479.8	20- 30	2807	5225	19.4,19.4
40	705.5	666.4	600.9	681.1	719.0	431.4	350.1	428.9	30- 40	3655	8879	33,32.9
50	760.0	659.1	543.5	672.9	763.5	390.7	298.8	390.8	40- 50	4372	13251	49.2,49.1
60	928.3	642.7	349.2	647.2	901.2	347.8	259.6	363.2	50- 60	4997	18249	67.8,67.6
70	993.0	471.7	107.6	455.7	789.9	237.2	156.1	264.7	60- 70	5151	23400	86.9,86.7
80	260.9	119.5	32.17	89.43	231.4	54.24	30.87	69.99	70- 80	3052	26452	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	481.7	26934	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	26934	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	26934	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	26934	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	26934	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	26934	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	26934	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	26934	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	26934	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	26934	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
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

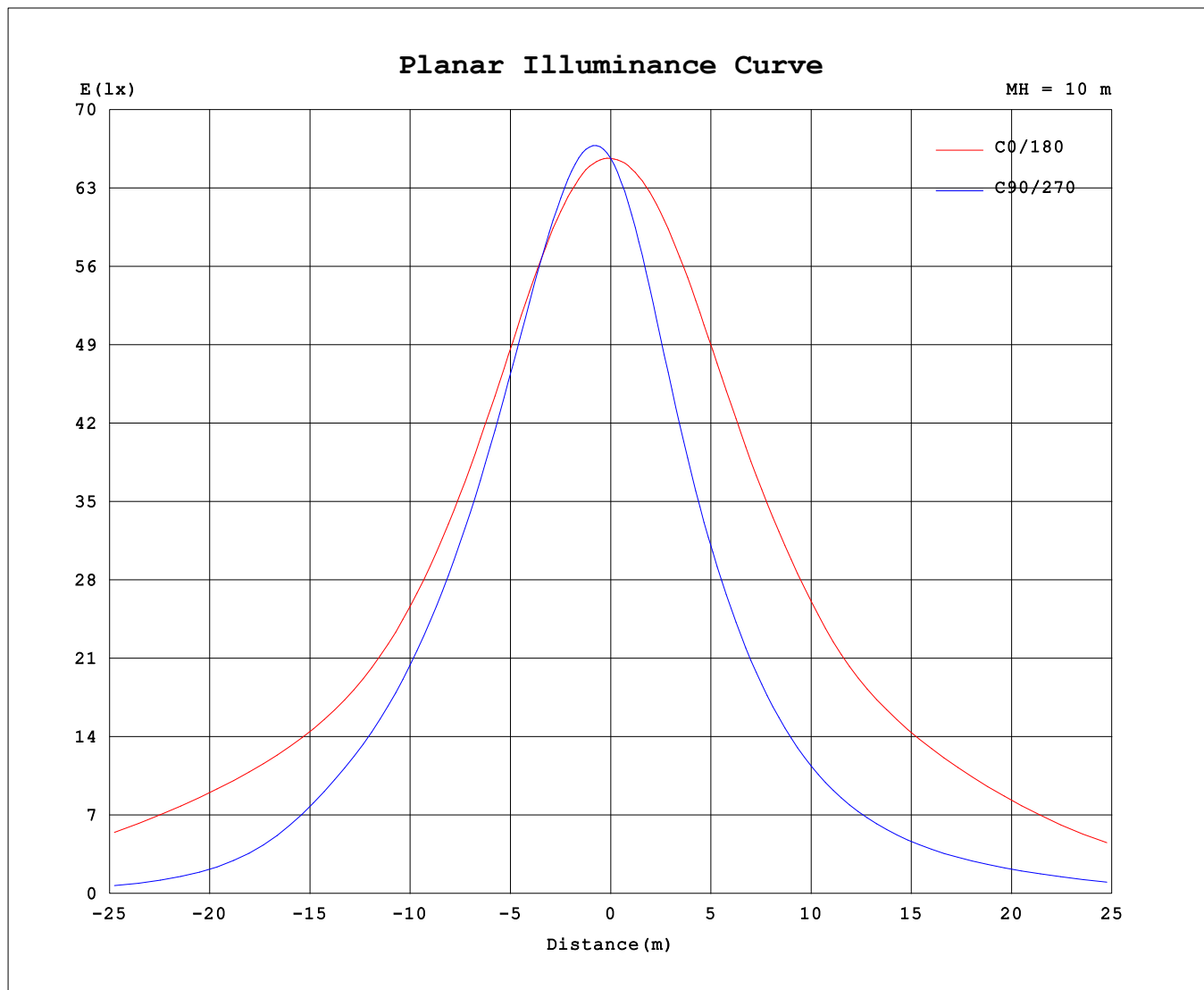
Test:U:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°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



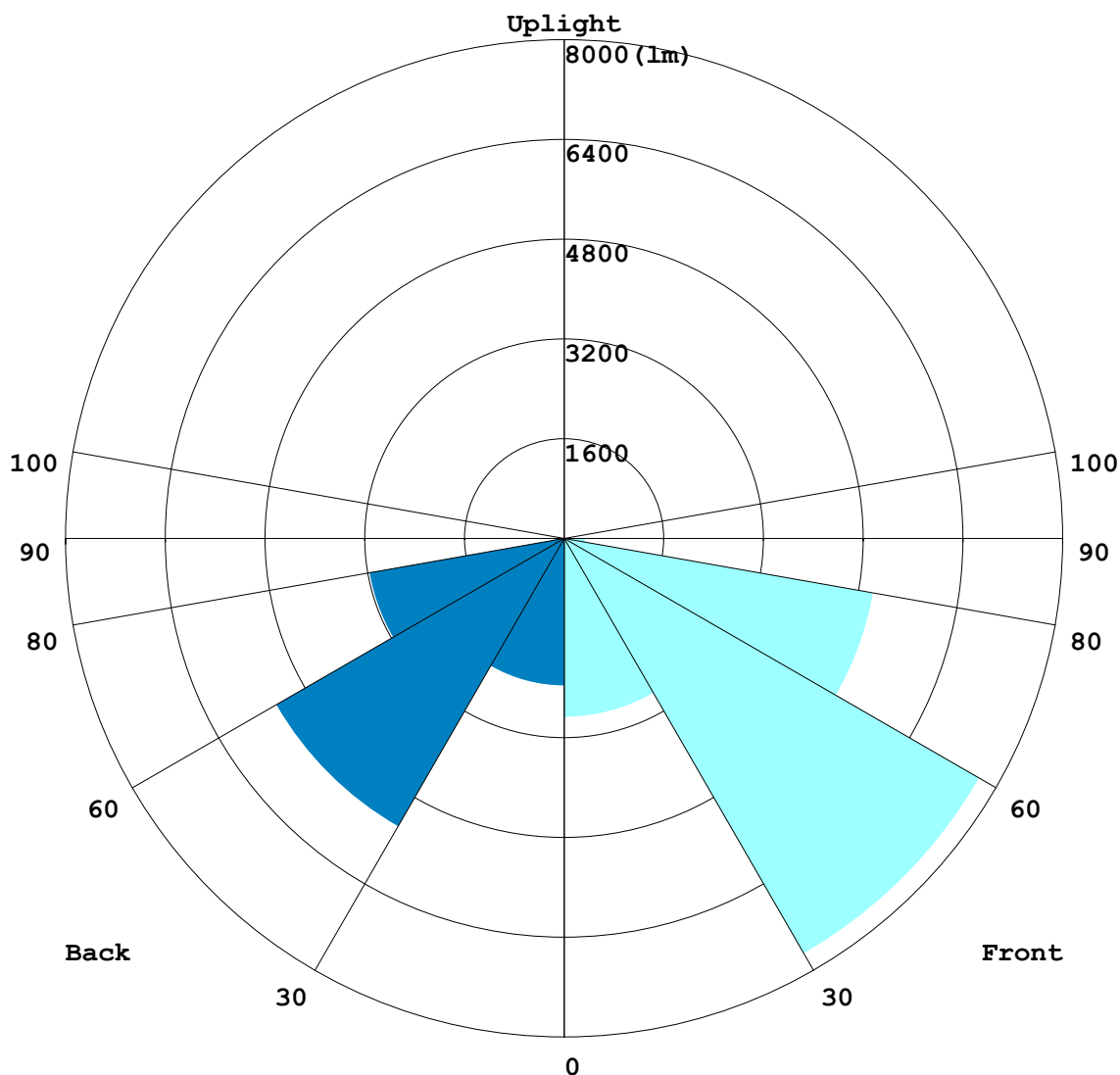
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.5℃
 Operators:DAMIN
 Test Date:2024-12-29

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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 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: 25.5℃
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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 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)	2864.5	10.6
FM - Front-Medium(30-60)	7689.1	28.5
FH - Front-High(60-80)	5032.6	18.7
FVH - Front-Very High(80-90)	336.38	1.2
Total Forward Light	15923	59.1

BL - Back-Low(0-30)	2360.2	8.8
BM - Back-Medium(30-60)	5334.9	19.8
BH - Back-High(60-80)	3171	11.8
BVH - Back-Very High(80-90)	145.29	0.5
Total Back Light	11011	40.9

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	11011	0	11011
Street Side	15923	0	15923

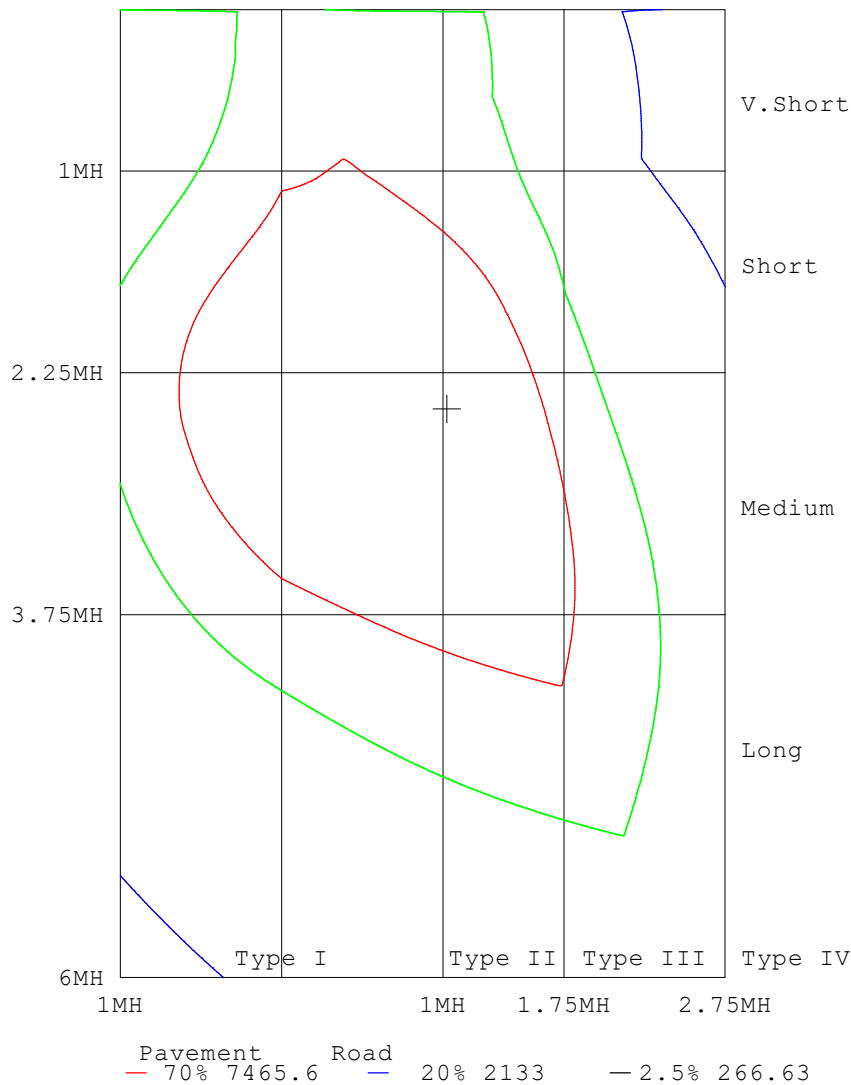
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-29

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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 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: 25.5°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:118.93V I:1.6477A P:195.87W PF:0.9996 Freq:60.01Hz Lamp Flux:26995.7x1 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	656	656	656	656	656	656	656	656	656	656	656	656	656	656	656	656			
5	659	666	674	674	676	676	672	667	657	646	635	626	624	628	636	647			
10	662	676	683	681	682	685	685	679	661	634	609	588	582	590	610	638			
15	668	685	687	679	678	685	692	691	667	622	578	544	533	547	581	626			
20	672	694	687	671	669	679	695	702	674	609	544	500	487	502	547	614			
25	678	702	684	659	653	668	694	714	682	594	511	460	445	462	512	599			
30	683	709	679	644	637	653	691	723	691	580	481	426	411	426	480	584			
35	693	718	672	629	619	637	687	733	702	570	454	395	379	395	452	573			
40	705	728	666	615	601	620	681	744	719	563	431	367	350	366	429	567			
45	725	746	662	597	577	599	677	763	738	560	410	339	322	339	408	567			
50	760	776	659	571	543	569	673	786	763	554	391	313	299	314	391	575			
55	824	826	653	530	483	520	666	836	822	561	370	290	278	292	376	593			
60	928	911	643	433	349	421	647	928	901	567	348	268	260	272	363	618			
65	1036	1018	605	277	204	269	599	1022	927	528	311	241	235	249	337	628			
70	993	1064	472	157	108	152	456	947	790	394	237	177	156	193	265	538			
75	681	928	276	82.3	60.5	79.4	238	675	524	233	129	83.0	66.9	89.9	160	329			
80	261	513	119	41.6	32.2	39.9	89.4	364	231	104	54.2	34.0	30.9	37.5	70.0	122			
85	54.7	147	28.0	16.5	12.8	13.6	21.4	73.9	46.5	19.9	11.2	8.64	9.34	11.6	13.4	29.8			
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: 25.5℃
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: