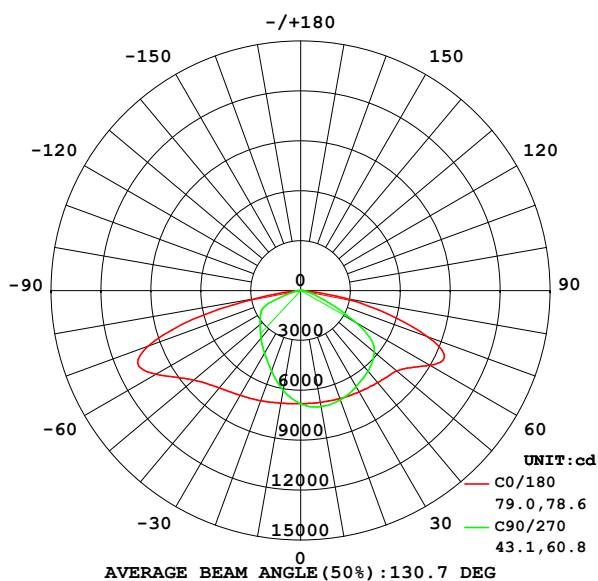
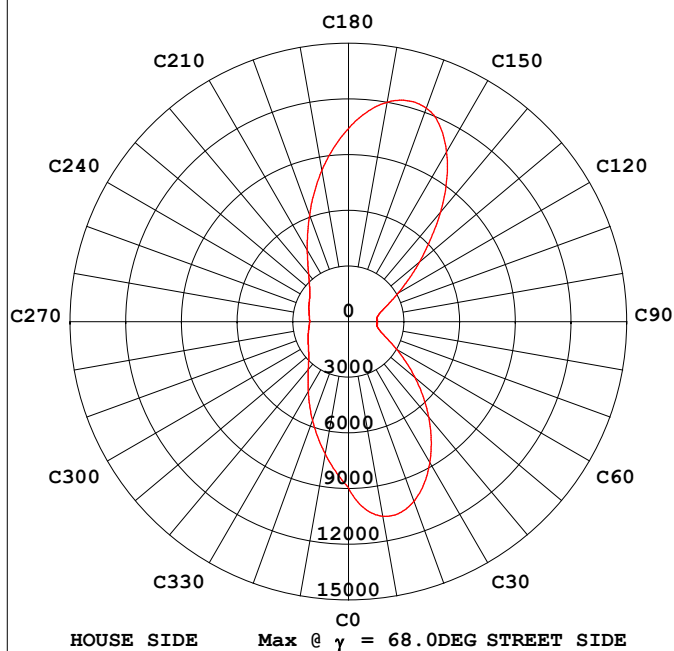


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.87 lm/W			
MODEL	AL-300WS-3CS-T3	Imax (cd)	12046	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	58.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28512	η house_up (%)	0.0
NOMINAL FLUX (lm)	28577.2	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	24.912

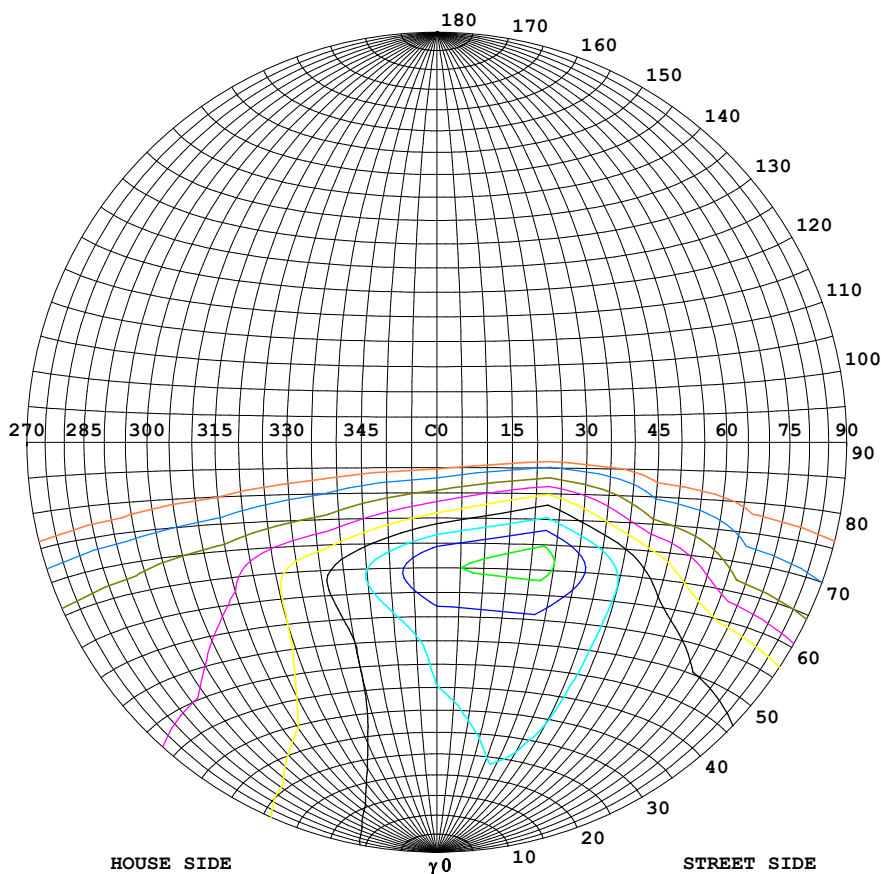
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

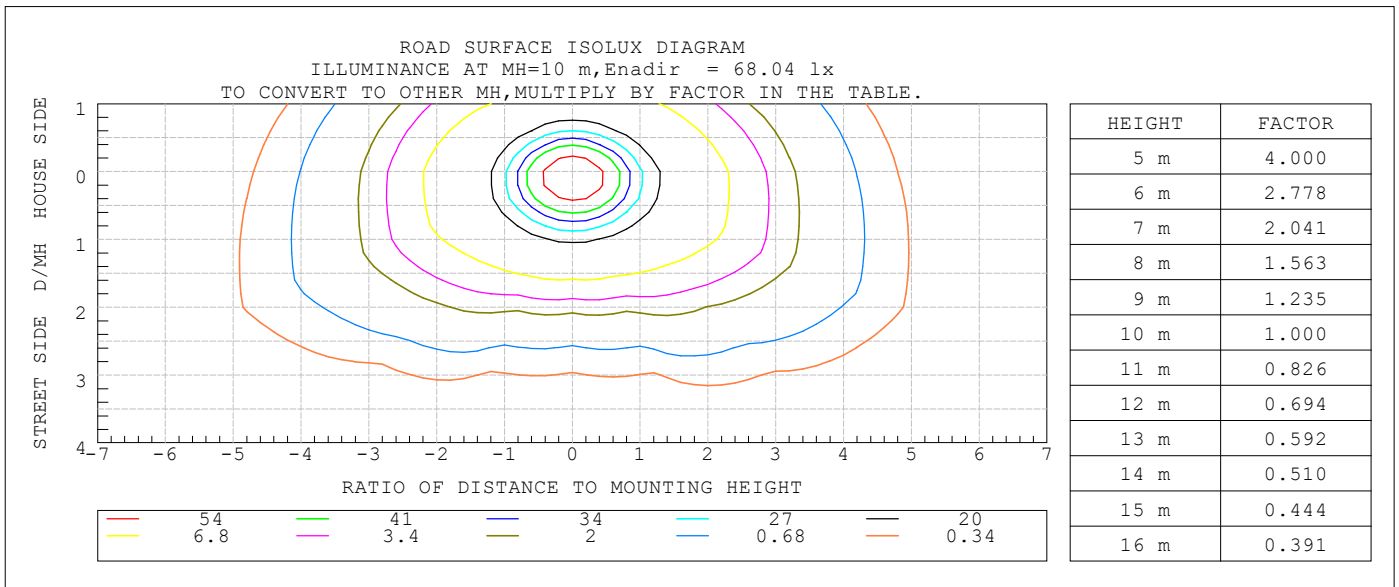
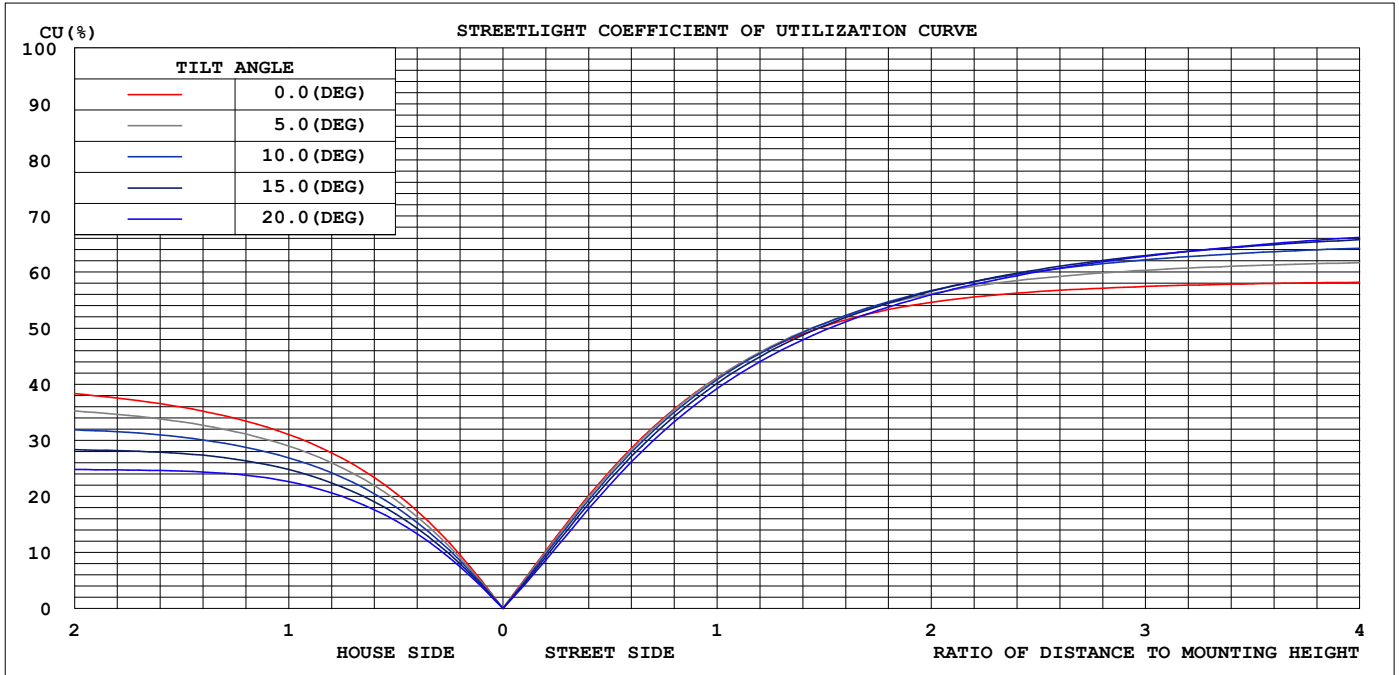
IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:165.5cd/klm
Max.At90:0cd/klm
Max.80-90:165.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12046
90%	10842
80%	9637
70%	8432
60%	7228
50%	6023
40%	4819
30%	3614
20%	2409
10%	1205
5%	602

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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: HIGH
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:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

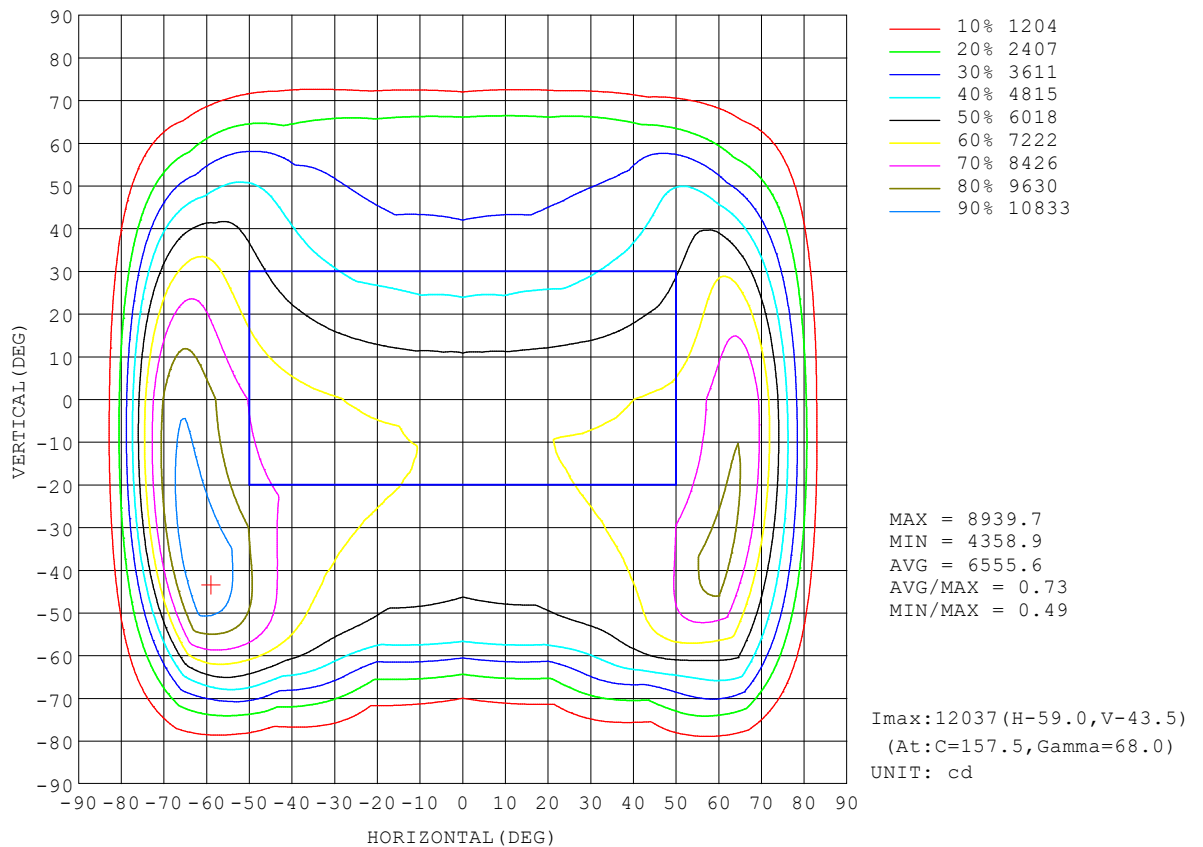
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	683.2	704.3	708.5	713.0	687.6	635.4	609.2	634.5	0- 10	645.5	645.5	2.26,2.26
20	691.6	710.5	699.2	727.6	704.8	574.9	514.4	573.5	10- 20	1872	2518	8.83,8.81
30	703.8	707.8	667.2	733.0	728.2	513.1	435.9	507.2	20- 30	2946	5464	19.2,19.1
40	722.0	701.5	631.4	730.8	763.7	465.6	372.3	453.9	30- 40	3857	9320	32.7,32.6
50	753.6	691.4	577.5	729.3	838.4	425.3	318.8	411.9	40- 50	4636	13956	48.9,48.8
60	898.7	665.7	380.2	732.2	1005	386.7	278.5	370.4	50- 60	5325	19281	67.6,67.5
70	811.2	502.8	120.4	550.8	972.4	262.0	165.2	267.9	60- 70	5484	24765	86.9,86.7
80	265.6	110.7	36.14	133.5	267.7	68.05	33.22	59.29	70- 80	3221	27986	98.2,97.9
90	0	0	0	0	0	0	0	0	80- 90	525.3	28512	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28512	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28512	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28512	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28512	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28512	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28512	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28512	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28512	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28512	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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

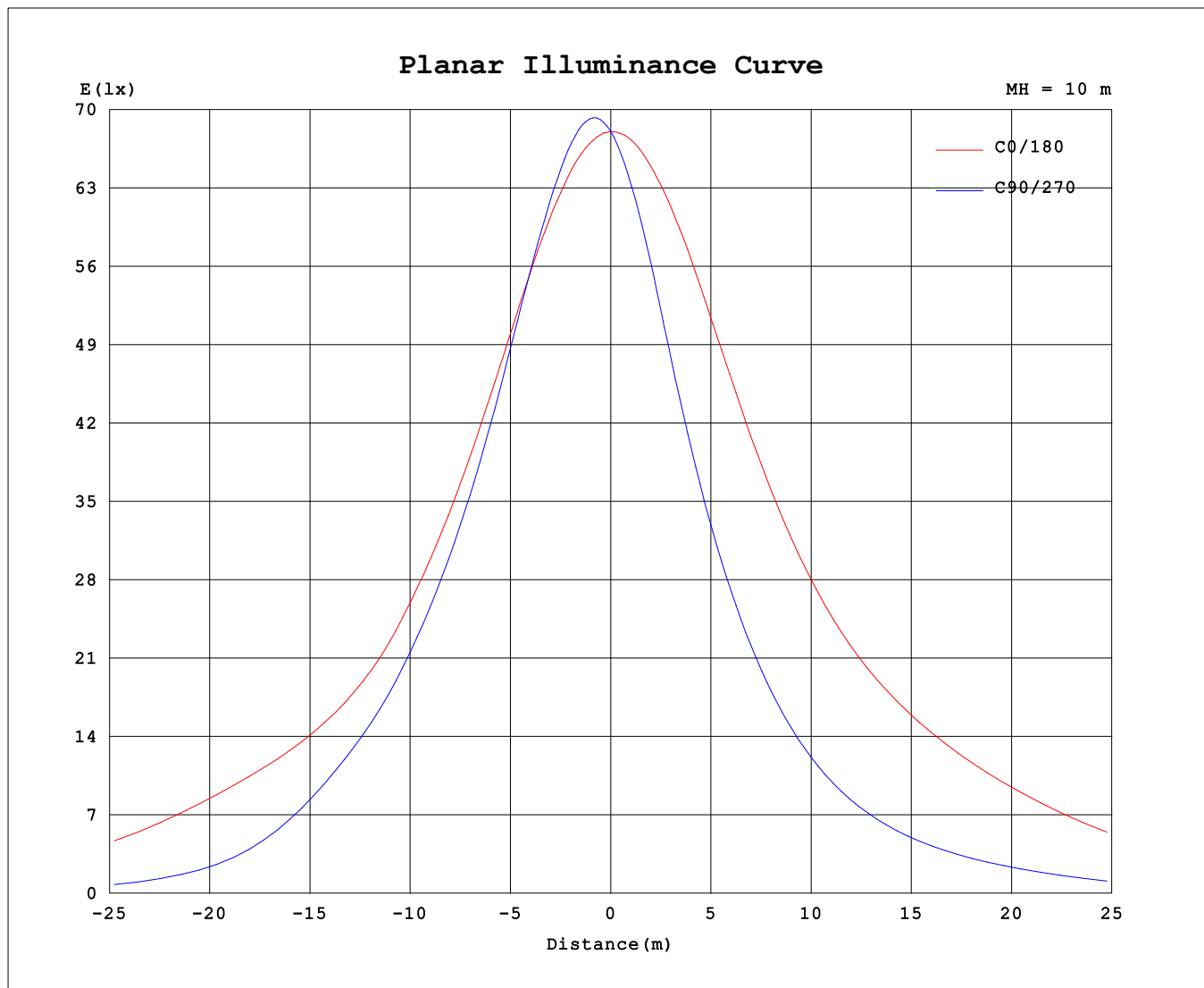
Test:U:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
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:

Planar Illuminance Curve



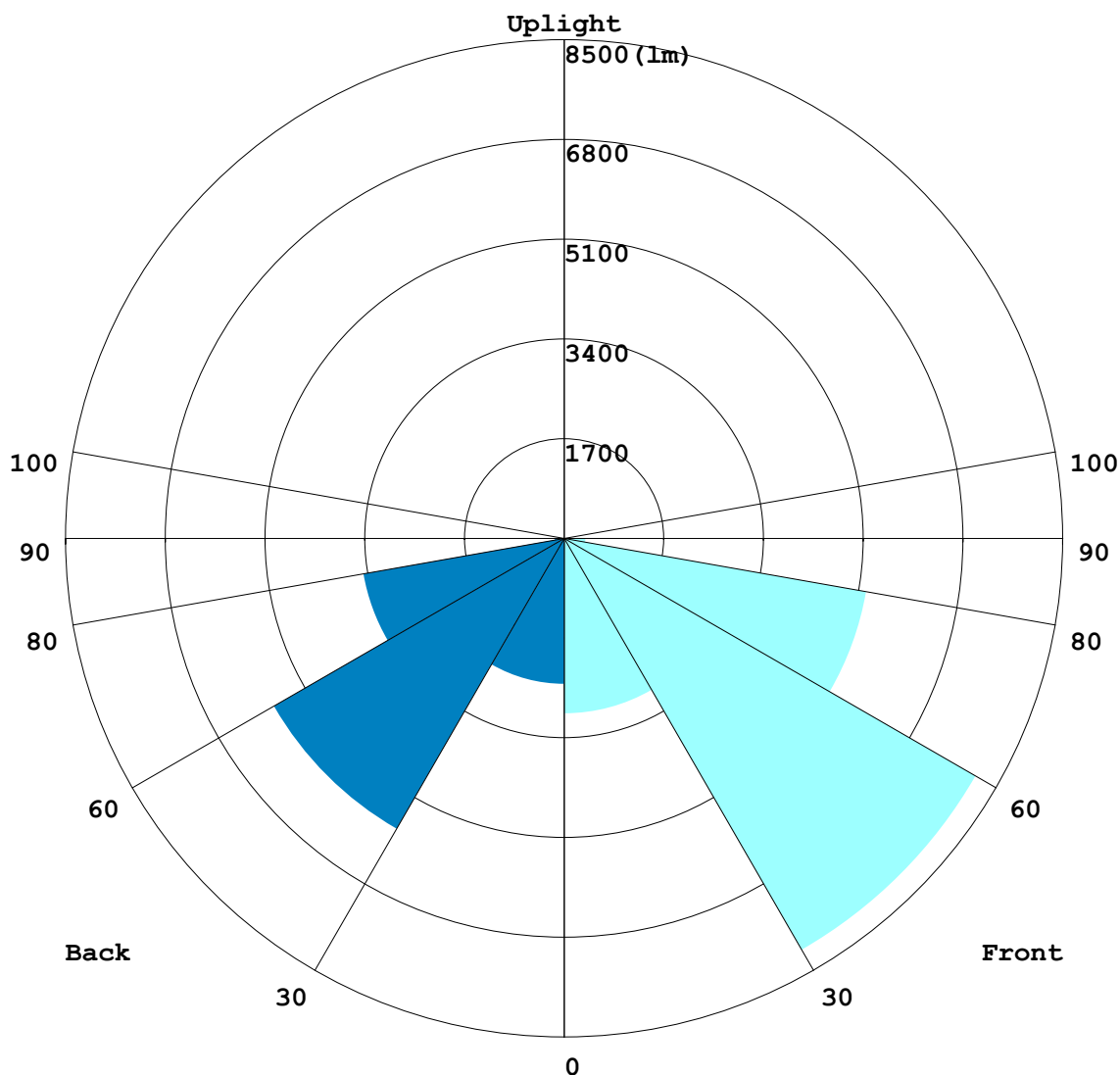
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4℃
 Operators:DAMIN
 Test Date:2024-12-29

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:

LCS REPORT

Test:U:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 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: 25.4℃
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:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 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)	2984	10.5
FM - Front-Medium(30-60)	8101.4	28.4
FH - Front-High(60-80)	5228.2	18.3
FVH - Front-Very High(80-90)	364.92	1.3
Total Forward Light	16678	58.5

BL - Back-Low(0-30)	2479.8	8.7
BM - Back-Medium(30-60)	5715.9	20.0
BH - Back-High(60-80)	3476.9	12.2
BVH - Back-Very High(80-90)	160.39	0.6
Total Back Light	11833	41.5

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	11833	0	11833
Street Side	16678	0	16678

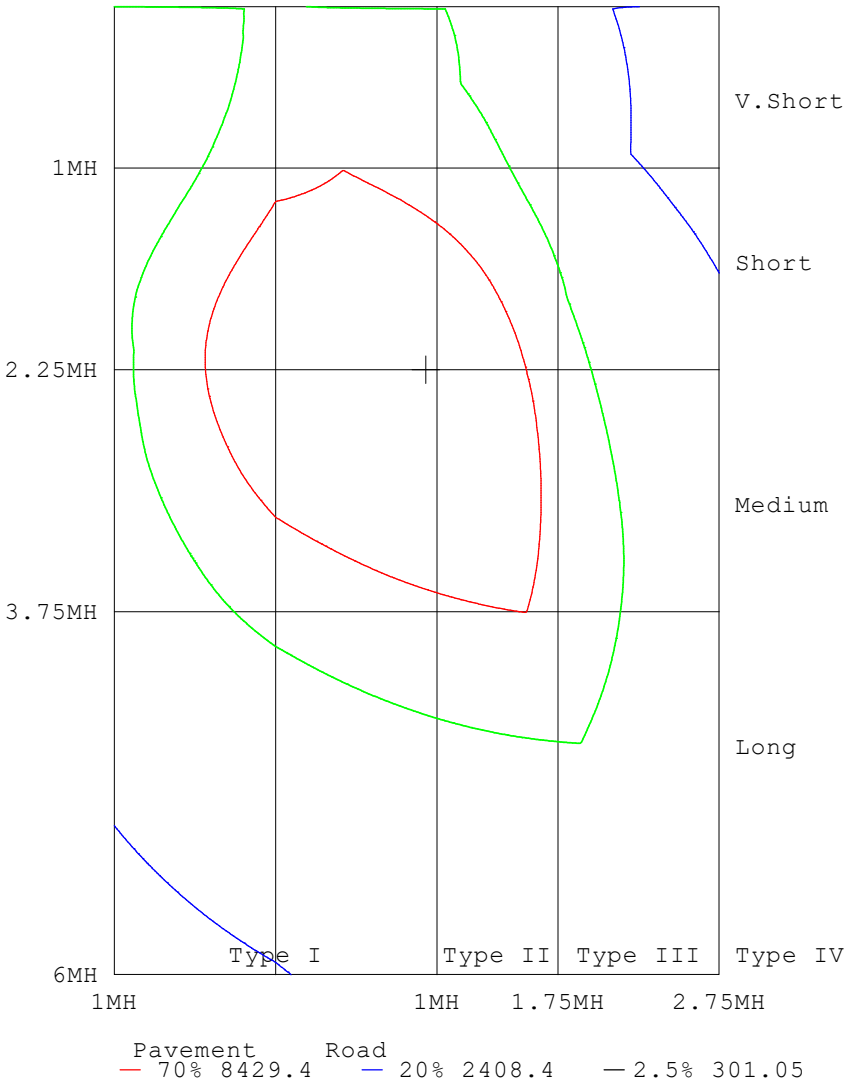
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 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: 25.4 °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:118.93V I:1.6555A P:196.80W PF:0.9996 Freq:60.01Hz Lamp Flux:28577.2x1 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	681	681	681	681	681	681	681	681	681	681	681	681	681	681	681	681			
5	681	689	695	698	701	701	698	693	683	672	660	650	649	652	659	670			
10	683	698	704	707	708	713	713	705	688	662	635	617	609	616	634	659			
15	686	708	710	707	707	715	722	719	695	653	607	575	562	574	606	648			
20	692	717	710	701	699	712	728	733	705	643	575	529	514	529	574	636			
25	697	727	710	692	686	704	732	748	716	633	542	489	472	489	539	623			
30	704	735	708	678	667	690	733	761	728	623	513	454	436	452	507	609			
35	711	746	706	662	649	673	732	776	742	616	488	422	403	420	479	597			
40	722	758	702	647	631	656	731	796	764	614	466	392	372	391	454	589			
45	735	775	697	630	610	637	730	823	793	616	444	364	344	363	432	586			
50	754	793	691	605	578	609	729	865	838	623	425	337	319	337	412	582			
55	808	832	683	564	519	566	733	939	910	638	408	313	297	314	392	594			
60	899	907	666	467	380	466	732	1051	1005	650	387	291	278	292	370	613			
65	953	1001	631	300	225	305	695	1174	1074	627	345	263	252	265	342	604			
70	811	957	503	170	120	175	551	1179	972	502	262	195	165	202	268	464			
75	538	740	276	90.1	67.8	93.1	327	936	674	307	161	93.0	71.4	93.1	144	271			
80	266	473	111	46.0	36.1	46.7	133	461	268	120	68.0	38.7	33.2	38.4	59.3	120			
85	50.8	128	27.2	16.9	14.3	18.1	27.7	121	56.9	27.3	13.8	11.3	9.99	10.2	12.5	26.0			
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: 25.4℃
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: