

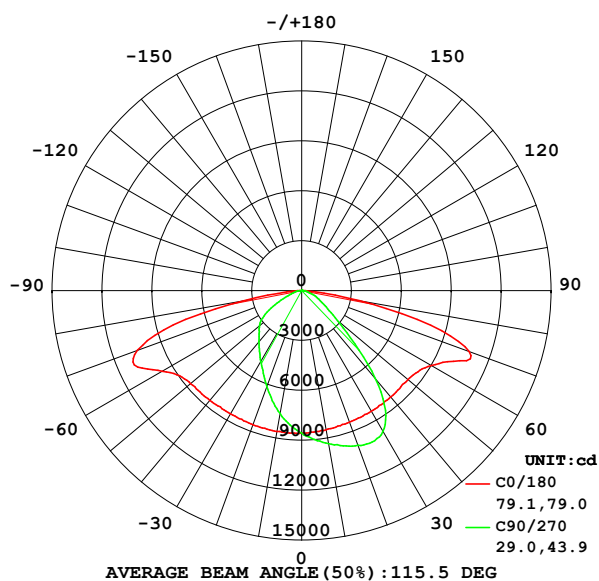
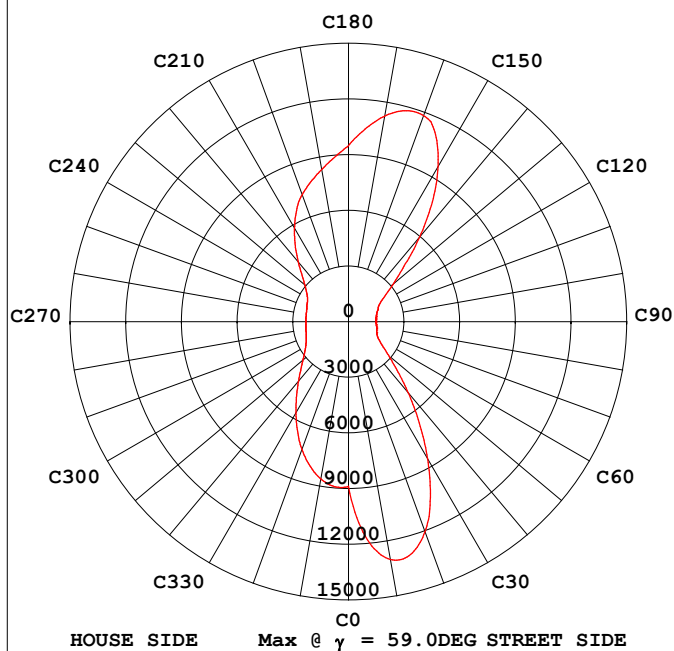
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz

Lamp Flux:29507.8x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 155.34 lm/W
MODEL	AL-240WS-3CS-T2	Imax (cd)	11648	η street_up (%)	0.0	
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	56.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29440	η house_up (%)	0.0	
NOMINAL FLUX (lm)	29507.8	MAXIMUM @ (C, γ)	158,59.0	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	25.569	

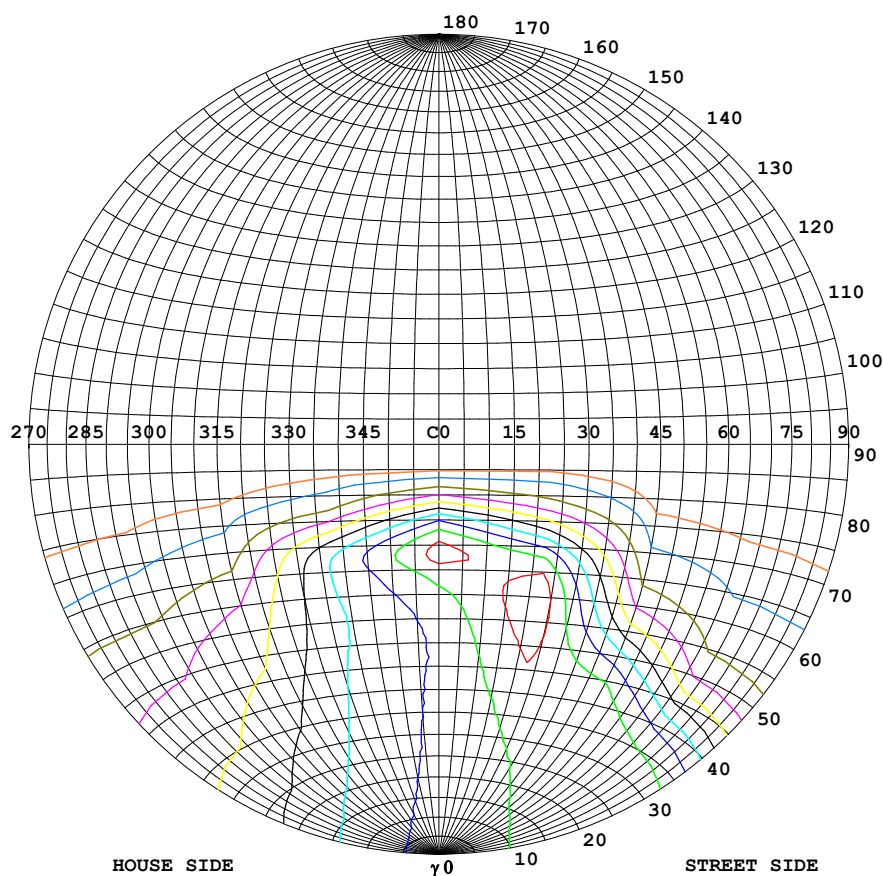
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



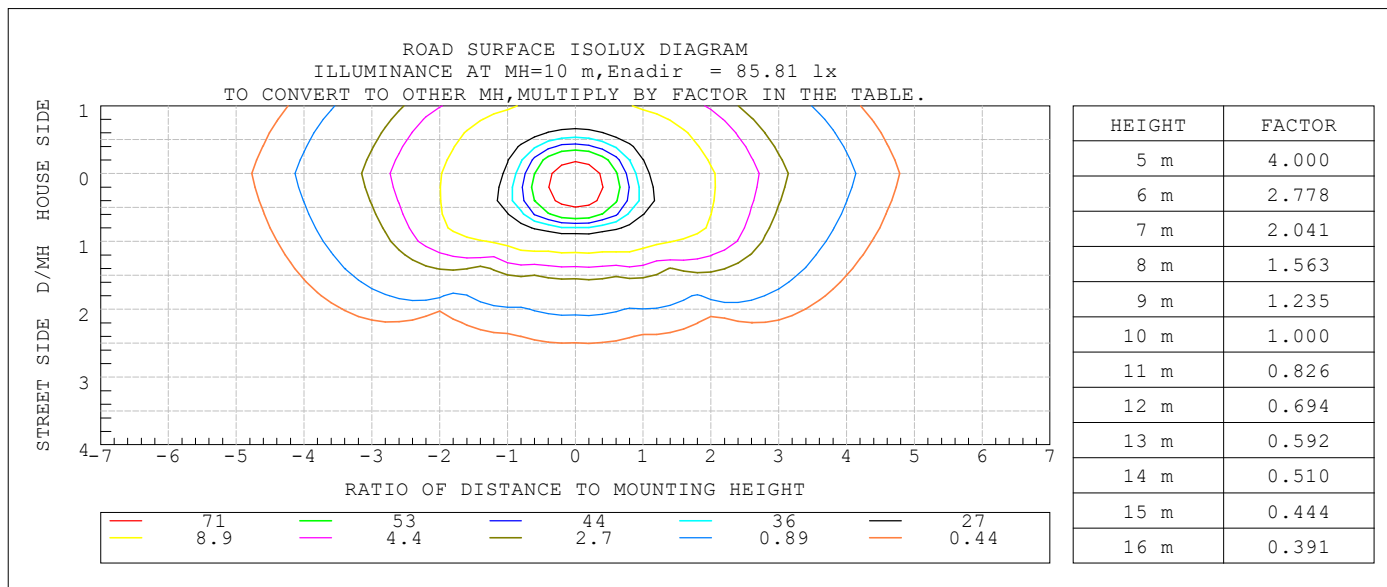
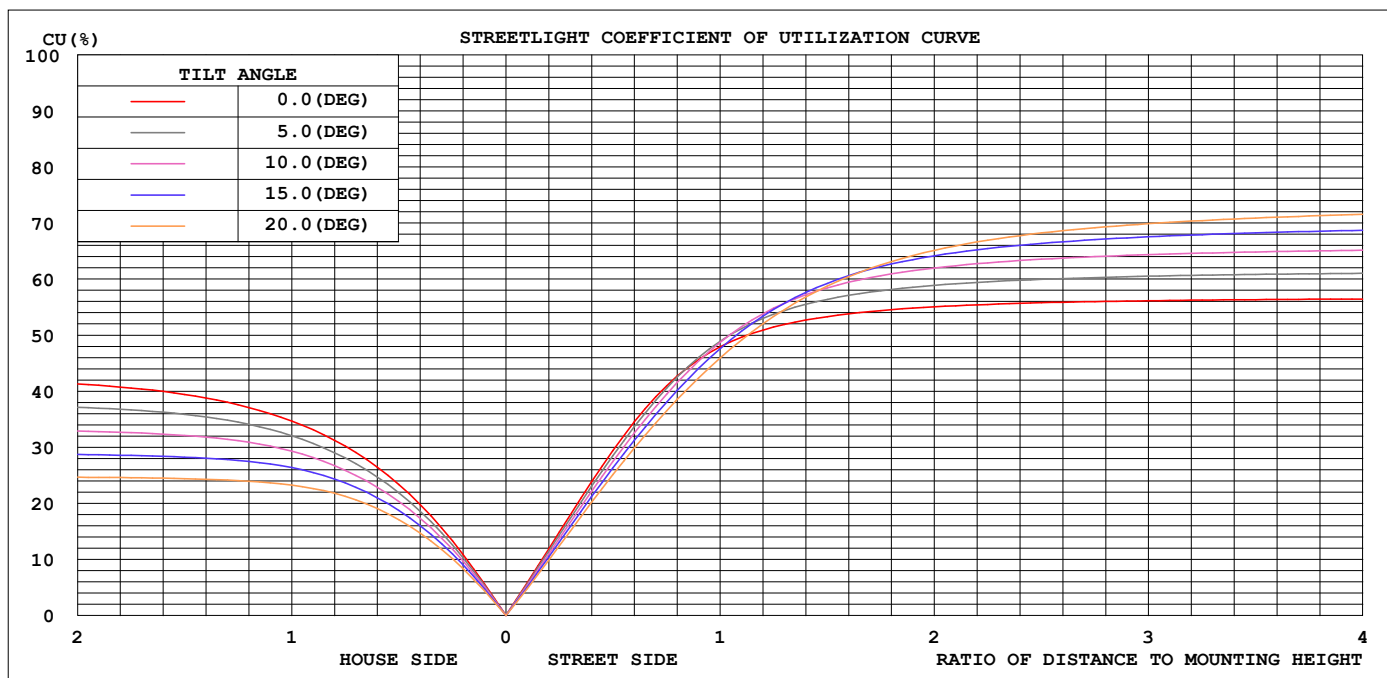
Classification:

IES:Type II - Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:120.7cd/klm
Max.At90:0cd/klm
Max.80-90:120.7cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		11648
90%		10483
80%		9318
70%		8153
60%		6989
50%		5824
40%		4659
30%		3494
20%		2330
10%		1165
5%		582

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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: 25.5°C
Operators:DAMIN
Test Date:2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

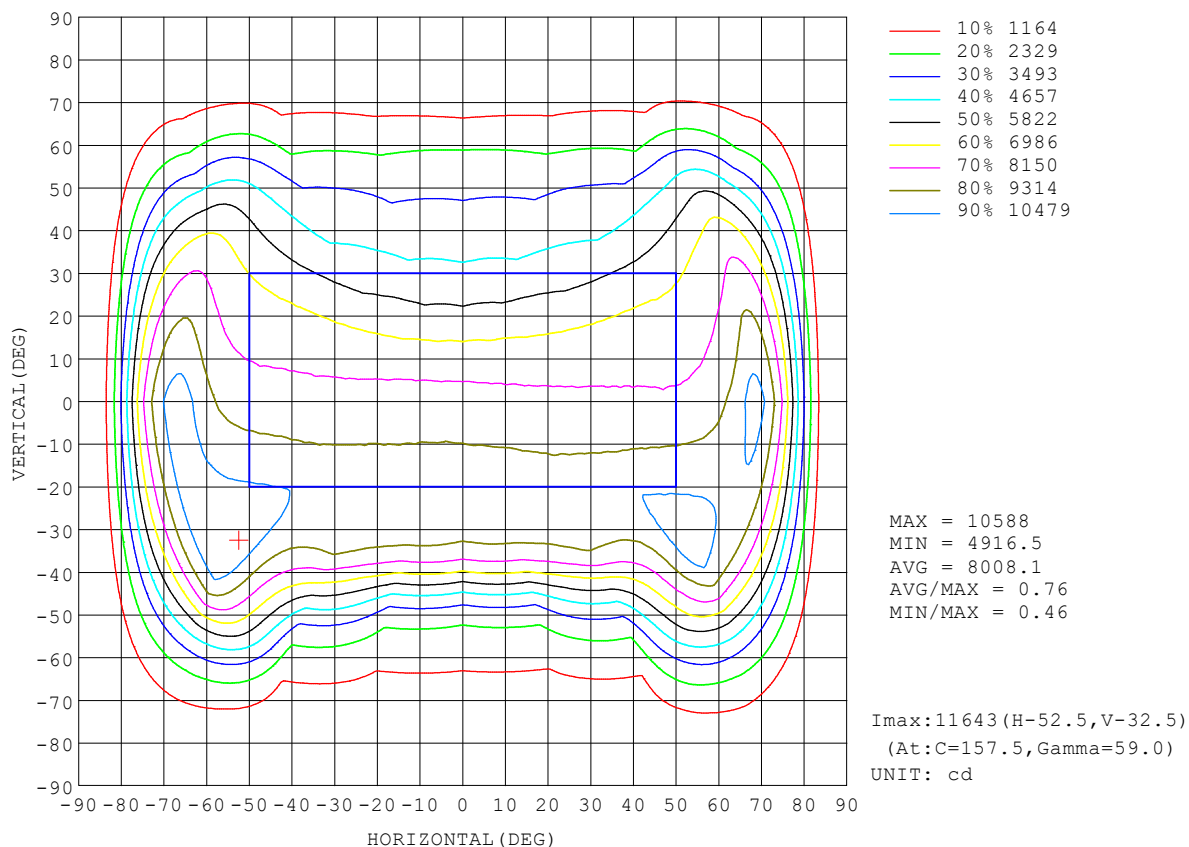
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	849.4	910.3	934.8	912.9	859.7	791.3	750.7	784.1	0- 10	814.2	814.2	2.77,2.76
20	842.1	956.5	989.6	964.0	858.1	702.5	612.9	705.1	10- 20	2376	3190	10.8,10.8
30	838.3	1008	976.9	1023	856.4	616.1	492.6	620.6	20- 30	3780	6971	23.7,23.6
40	833.6	1014	687.8	1028	861.1	526.5	401.0	531.6	30- 40	4866	11837	40.2,40.1
50	833.7	750.6	282.9	790.5	871.8	439.4	332.4	444.9	40- 50	5194	17031	57.8,57.7
60	901.4	337.6	139.2	386.0	969.6	338.7	213.7	350.4	50- 60	4969	21999	74.7,74.6
70	1071	129.9	70.44	144.7	1051	163.0	81.27	170.1	60- 70	4523	26522	90.1,89.9
80	350.9	37.51	27.77	38.64	356.1	46.90	31.98	47.07	70- 80	2548	29070	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	369.5	29440	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29440	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29440	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29440	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29440	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29440	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29440	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29440	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29440	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29440	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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

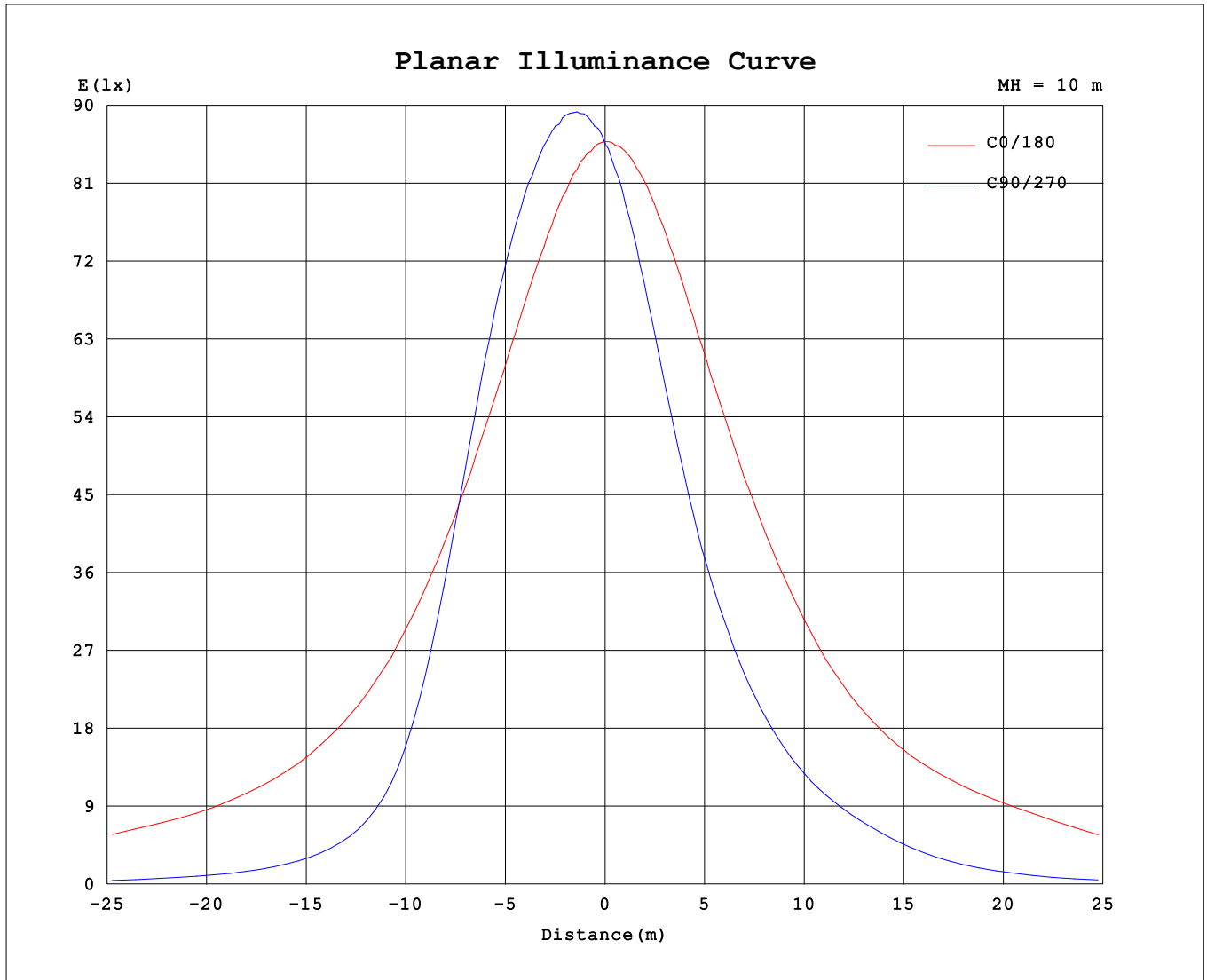
Test:U:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-12-25

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



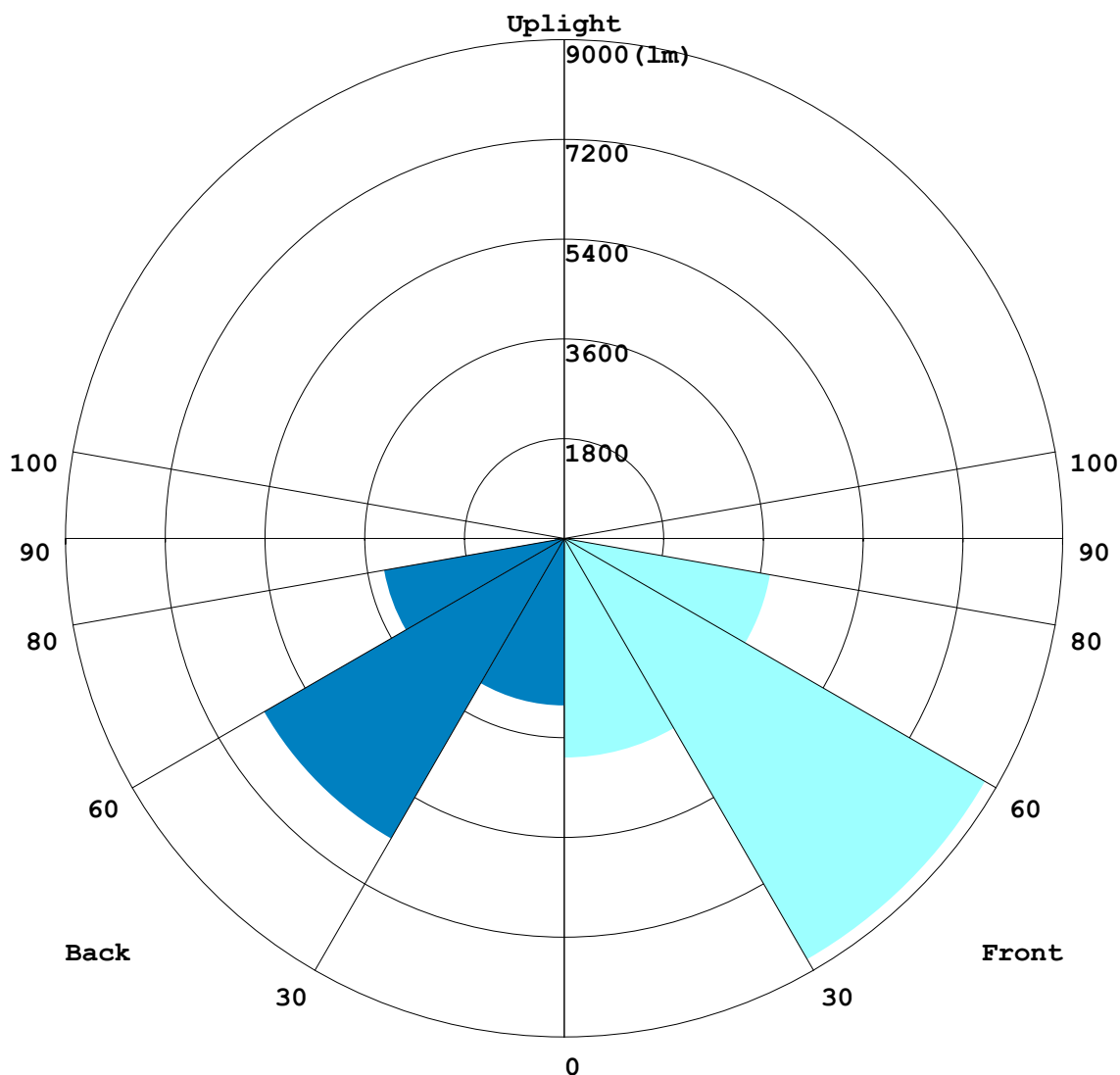
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.5°C
 Operators: DAMIN
 Test Date: 2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 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: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 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)	3954.7	13.4
FM - Front-Medium(30-60)	8773.8	29.8
FH - Front-High(60-80)	3773	12.8
FVH - Front-Very High(80-90)	196.9	0.7
Total Forward Light	16698	56.7

BL - Back-Low(0-30)	3016.1	10.2
BM - Back-Medium(30-60)	6254.9	21.2
BH - Back-High(60-80)	3298.1	11.2
BVH - Back-Very High(80-90)	172.63	0.6
Total Back Light	12742	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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12742	0	12742
Street Side	16698	0	16698

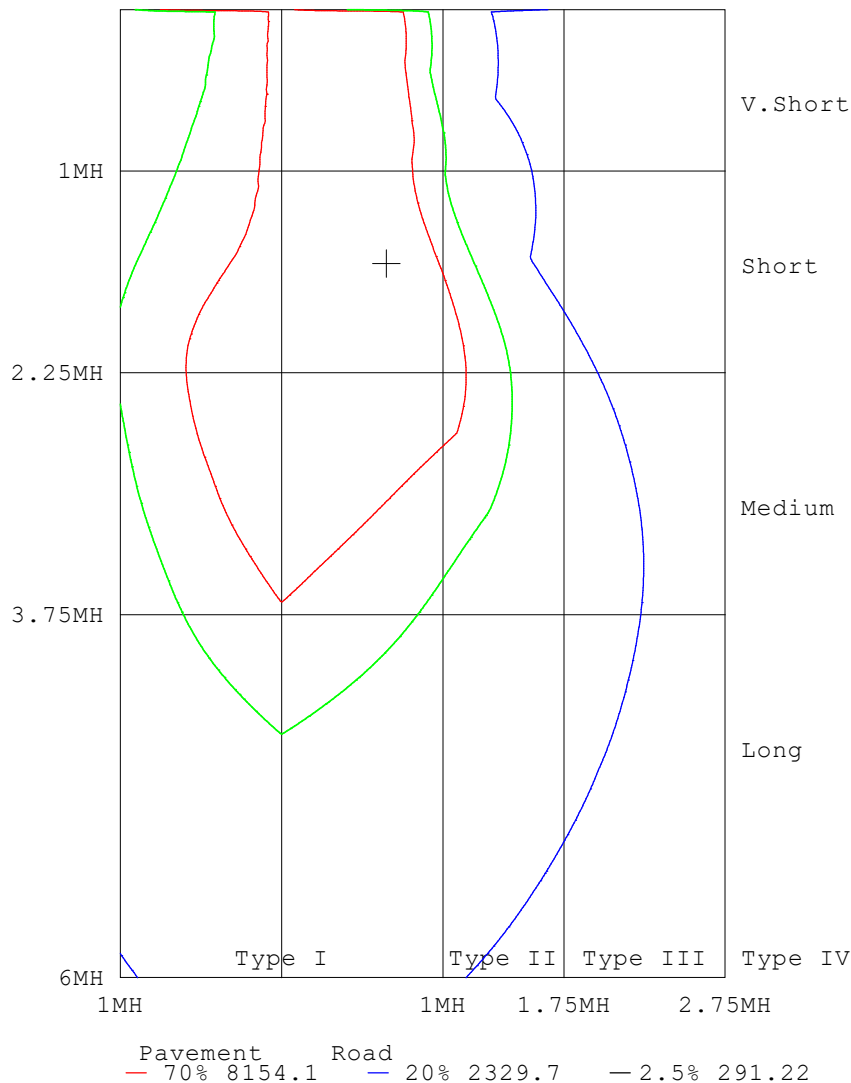
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 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: 25.5°C
 Operators:DAMIN
 Test Date:2024-12-25

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:119.04V I:1.5924A P:189.51W PF:0.9998 Freq:60.01Hz Lamp Flux:29507.8x1 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	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858			
5	854	870	884	893	899	897	886	875	859	841	828	814	812	815	820	836			
10	849	881	910	921	935	931	913	890	860	824	791	759	751	761	784	818			
15	844	891	933	954	967	962	937	901	858	807	749	699	685	703	742	795			
20	842	901	956	979	990	987	964	918	858	789	703	635	613	641	705	781			
25	840	912	978	999	1005	1011	994	929	854	773	660	573	548	579	663	762			
30	838	932	1008	995	977	1009	1023	949	856	760	616	516	493	521	621	751			
35	837	957	1024	935	879	951	1044	969	854	746	573	467	444	468	574	736			
40	834	989	1014	789	688	799	1028	1005	861	737	526	419	401	422	532	723			
45	833	1032	927	558	452	576	948	1051	864	724	484	377	363	382	488	711			
50	834	1079	751	345	283	359	791	1102	872	708	439	340	332	346	445	693			
55	852	1120	527	224	192	235	586	1147	895	700	398	296	288	304	402	690			
60	901	1132	338	155	139	162	386	1164	970	704	339	227	214	231	350	696			
65	1006	1039	211	112	105	116	241	1104	1088	692	253	154	139	155	265	713			
70	1071	801	130	81.3	70.4	83.2	145	863	1051	544	163	96.9	81.3	99.7	170	628			
75	804	477	77.8	51.2	45.4	52.1	83.6	466	800	305	97.4	58.9	52.8	60.4	101	344			
80	351	210	37.5	28.1	27.8	28.6	38.6	184	356	125	46.9	33.1	32.0	33.5	47.1	133			
85	49.3	50.6	11.6	10.4	11.8	10.7	11.9	45.3	58.5	29.6	11.4	11.0	11.2	11.2	10.9	32.0			
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: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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: