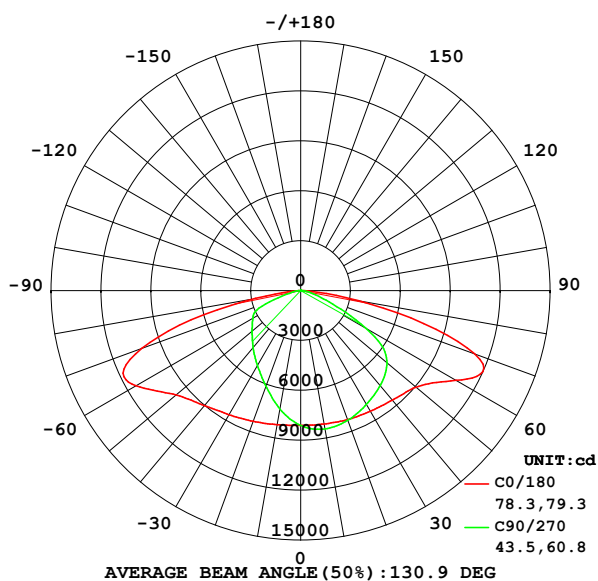
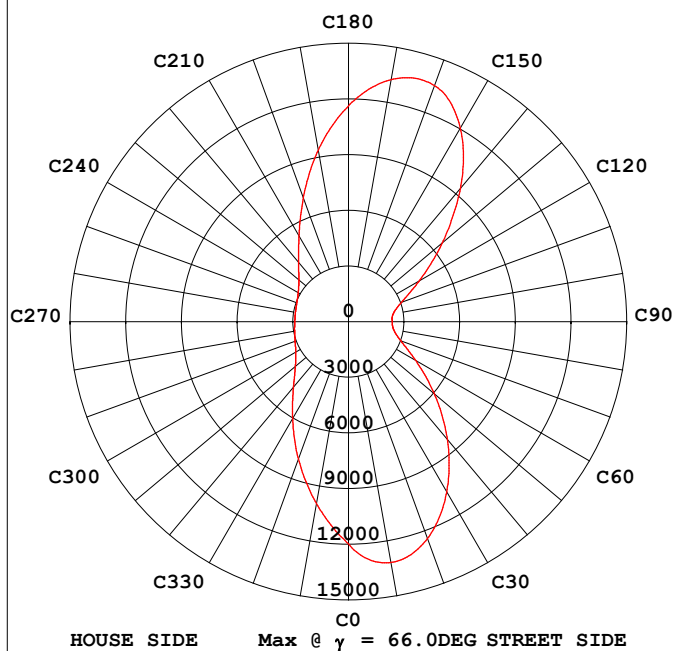


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.31 lm/W			
MODEL	AL-240WS-3CS-T3	I _{max} (cd)	13364	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	58.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33713	η house_up (%)	0.0
NOMINAL FLUX (lm)	33790.1	MAXIMUM @ (C, γ)	158,66.0	η house_down (%)	41.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.387

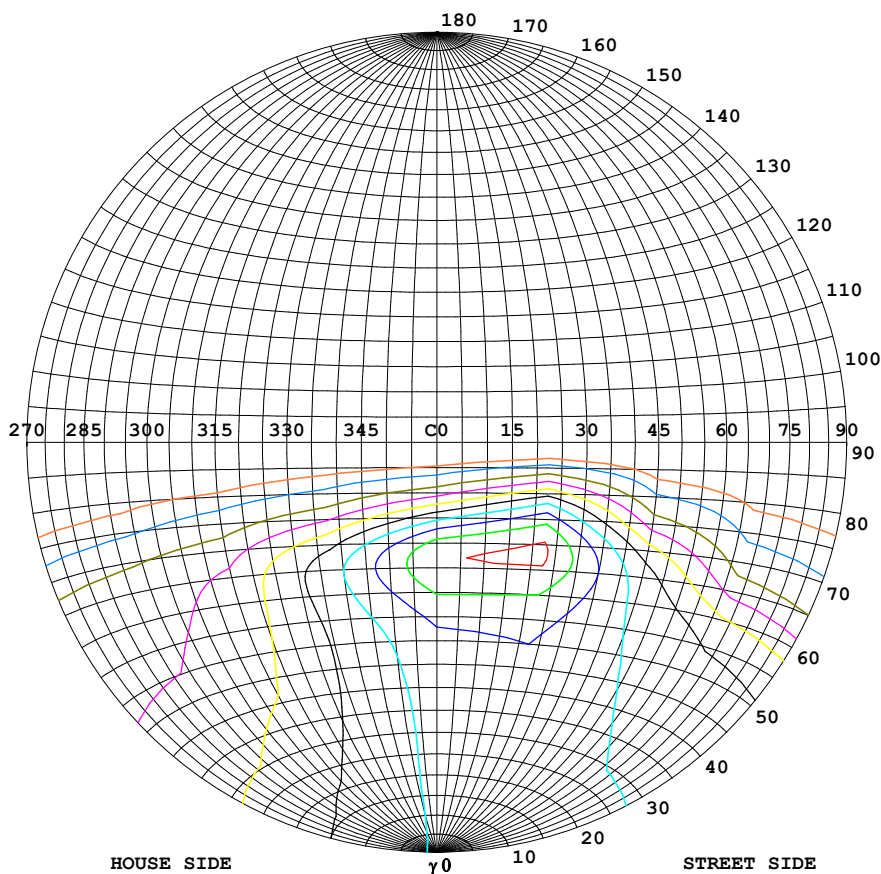
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8 °C
Operators: DAMIN
Test Date: 2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



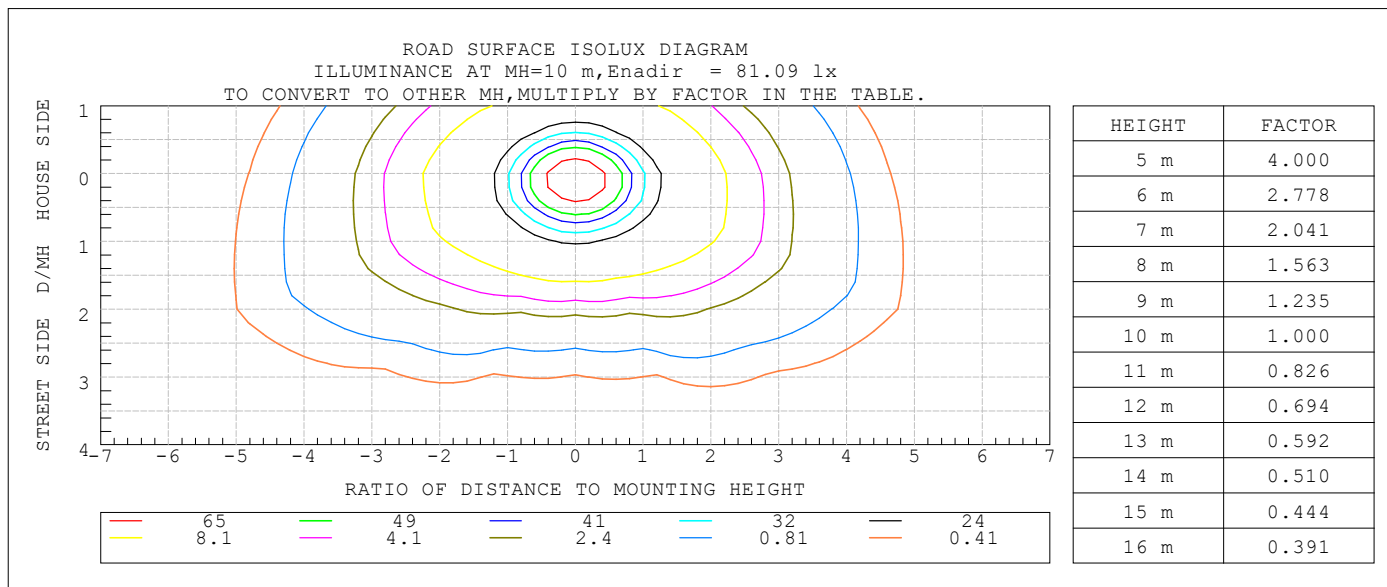
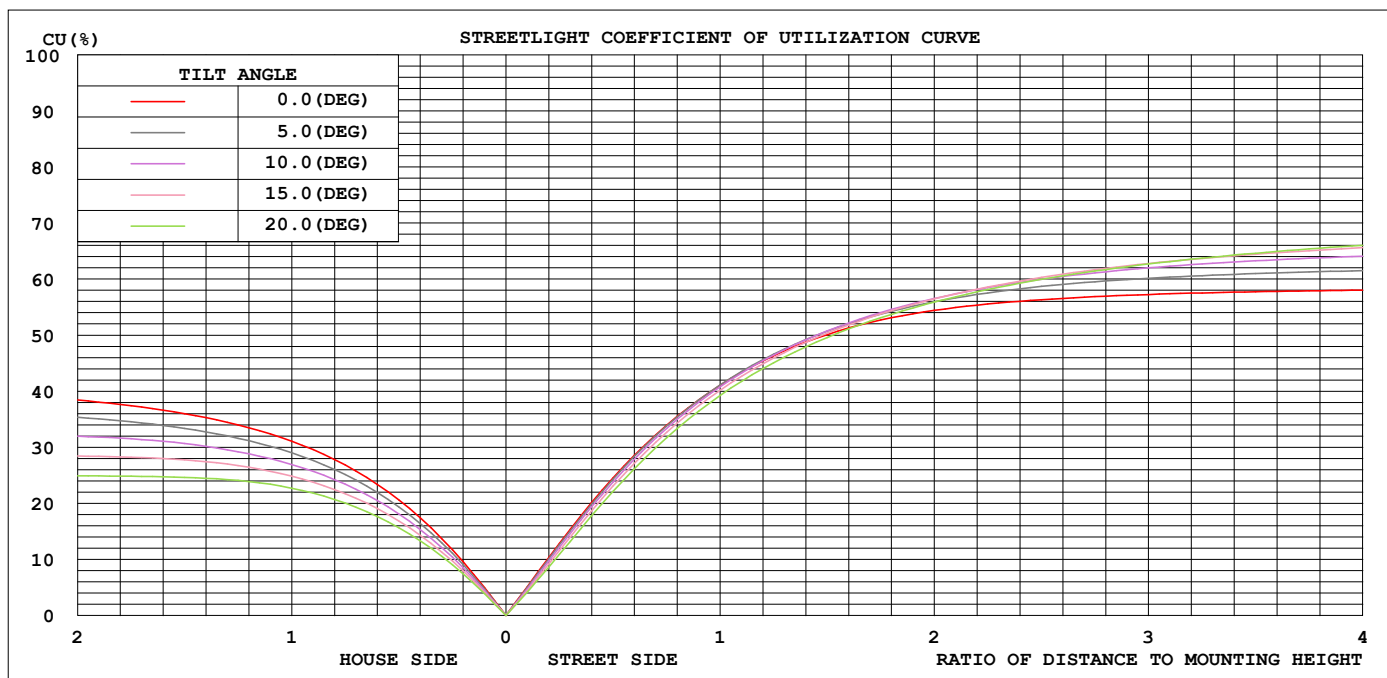
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:185.0cd/klm
Max.At90:0cd/klm
Max.80-90:185.0cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		13364
90%		12027
80%		10691
70%		9354
60%		8018
50%		6682
40%		5345
30%		4009
20%		2673
10%		1336
5%		668

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

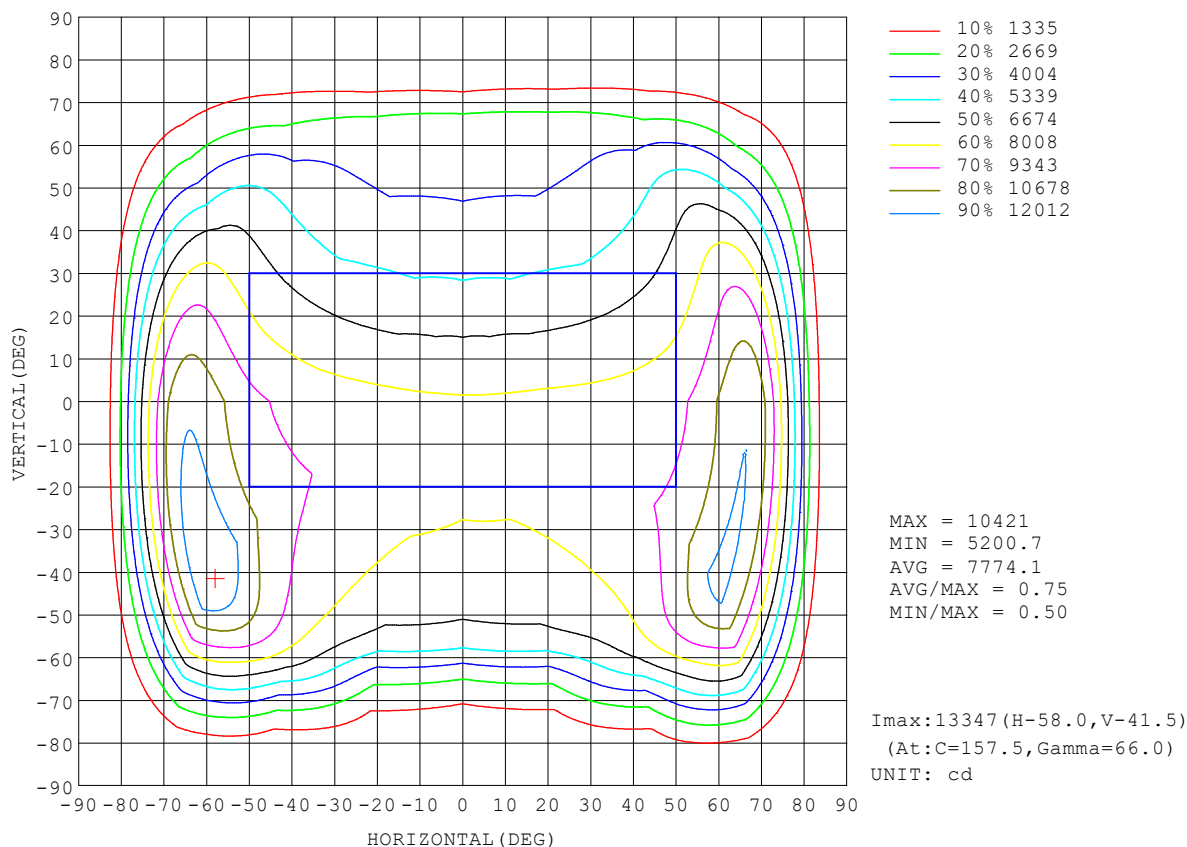
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	814.3	840.6	844.2	848.3	818.6	755.7	723.7	756.2	0- 10	768.8	768.8	2.28,2.28
20	825.4	844.8	830.1	866.6	836.5	681.1	612.0	682.1	10- 20	2227	2995	8.88,8.86
30	837.4	836.9	790.3	868.7	861.7	607.4	520.1	603.8	20- 30	3497	6492	19.3,19.2
40	858.8	822.8	745.4	863.1	901.7	549.8	446.1	542.4	30- 40	4568	11060	32.8,32.7
50	904.5	808.6	677.8	861.9	976.5	500.9	382.1	495.2	40- 50	5476	16535	49,48.9
60	1081	778.8	452.4	854.9	1145	448.1	332.7	454.3	50- 60	6264	22799	67.6,67.5
70	1113	587.2	147.0	651.6	1016	300.3	199.2	336.8	60- 70	6439	29238	86.7,86.5
80	350.7	147.7	43.69	152.0	276.8	73.55	39.97	79.45	70- 80	3845	33083	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	630.4	33713	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	33713	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	33713	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	33713	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	33713	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	33713	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	33713	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	33713	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	33713	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	33713	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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

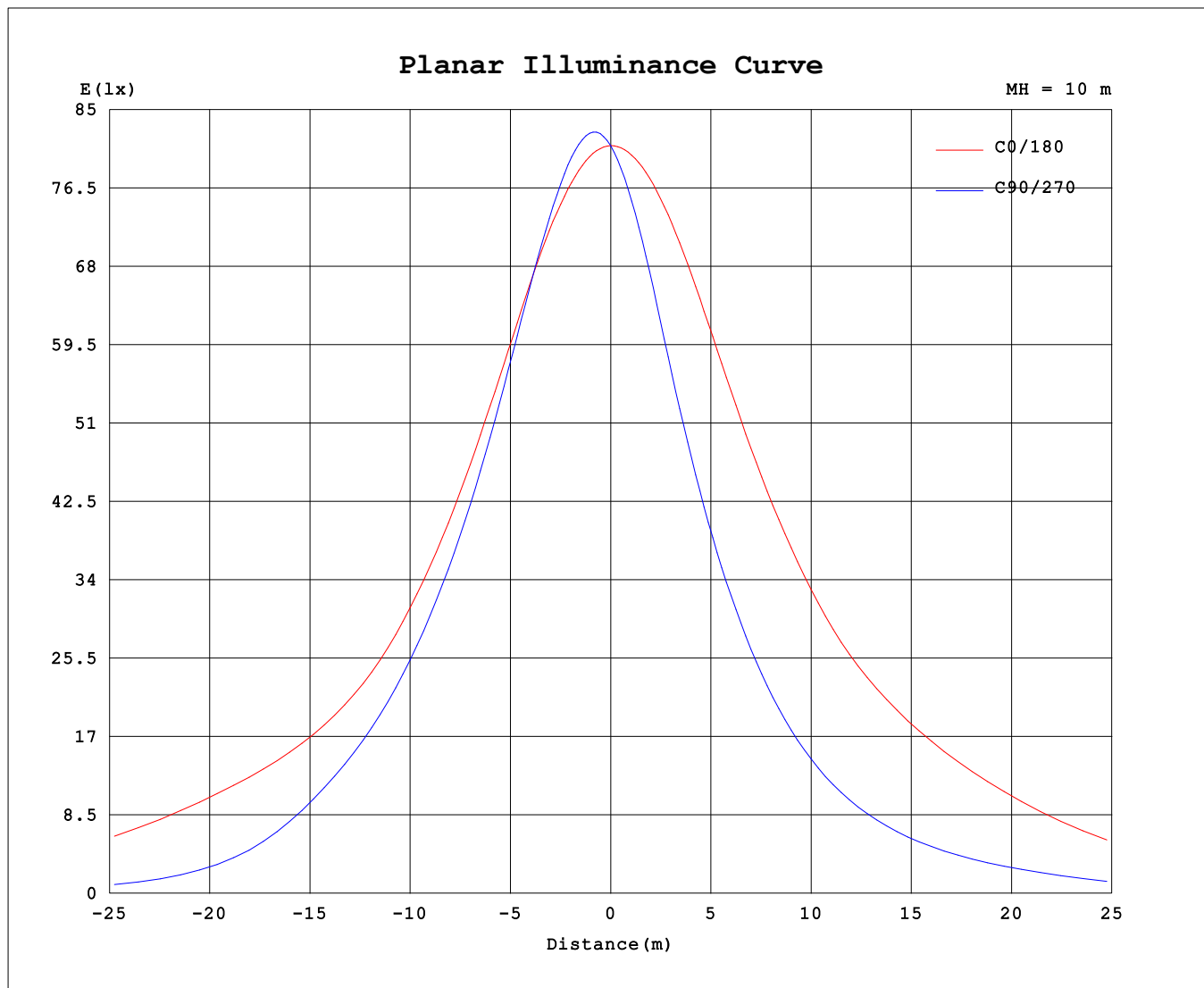
Test:U:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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



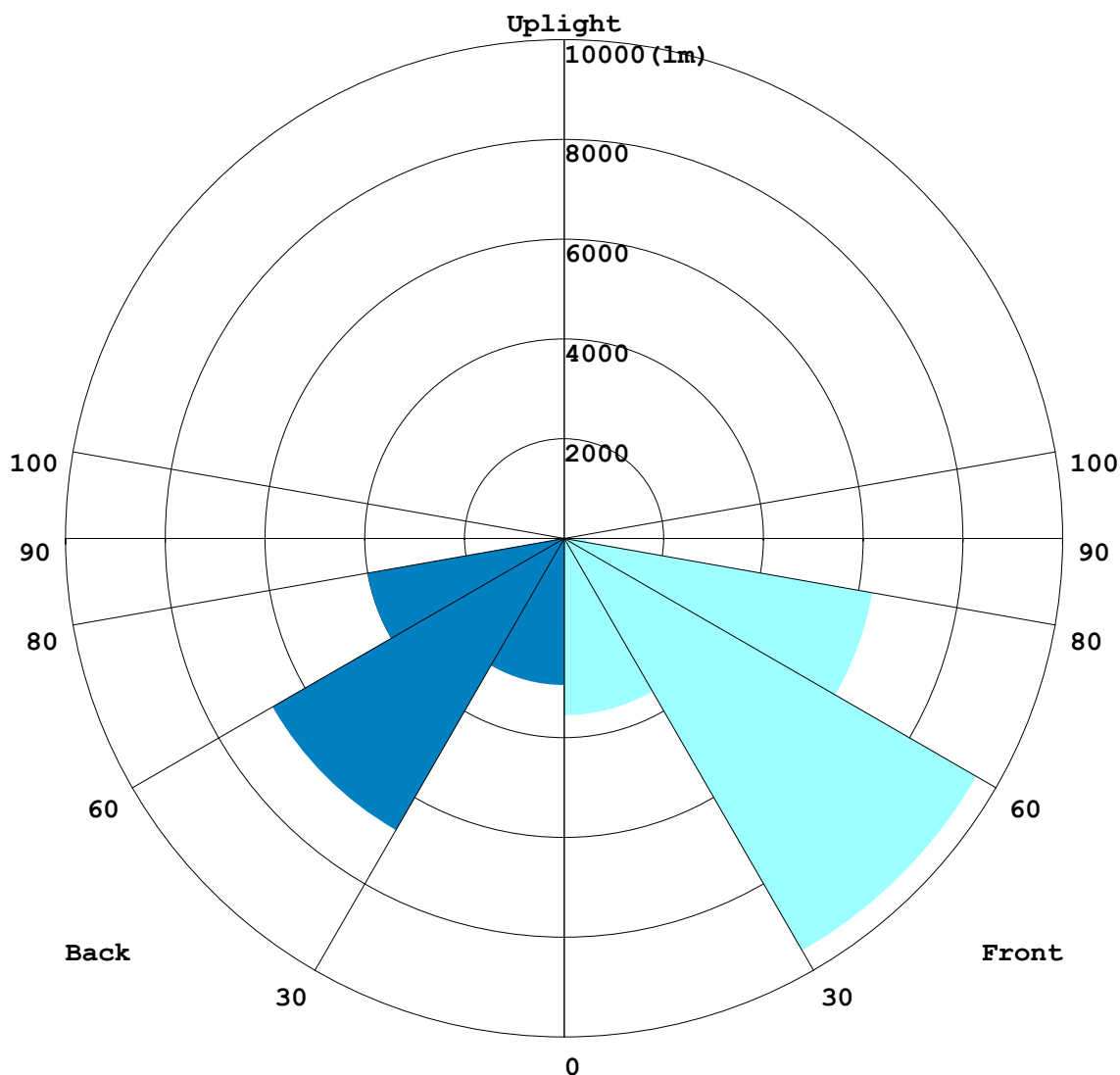
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 24.8°C
 Operators:DAMIN
 Test Date:2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 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: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 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)	3545.8	10.5
FM - Front-Medium(30-60)	9549.4	28.3
FH - Front-High(60-80)	6276.7	18.6
FVH - Front-Very High(80-90)	448.38	1.3
Total Forward Light	19820	58.8

BL - Back-Low(0-30)	2946.3	8.7
BM - Back-Medium(30-60)	6757.8	20.0
BH - Back-High(60-80)	4007	11.9
BVH - Back-Very High(80-90)	182.07	0.5
Total Back Light	13893	41.2

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	13893	0	13893
Street Side	19820	0	19820

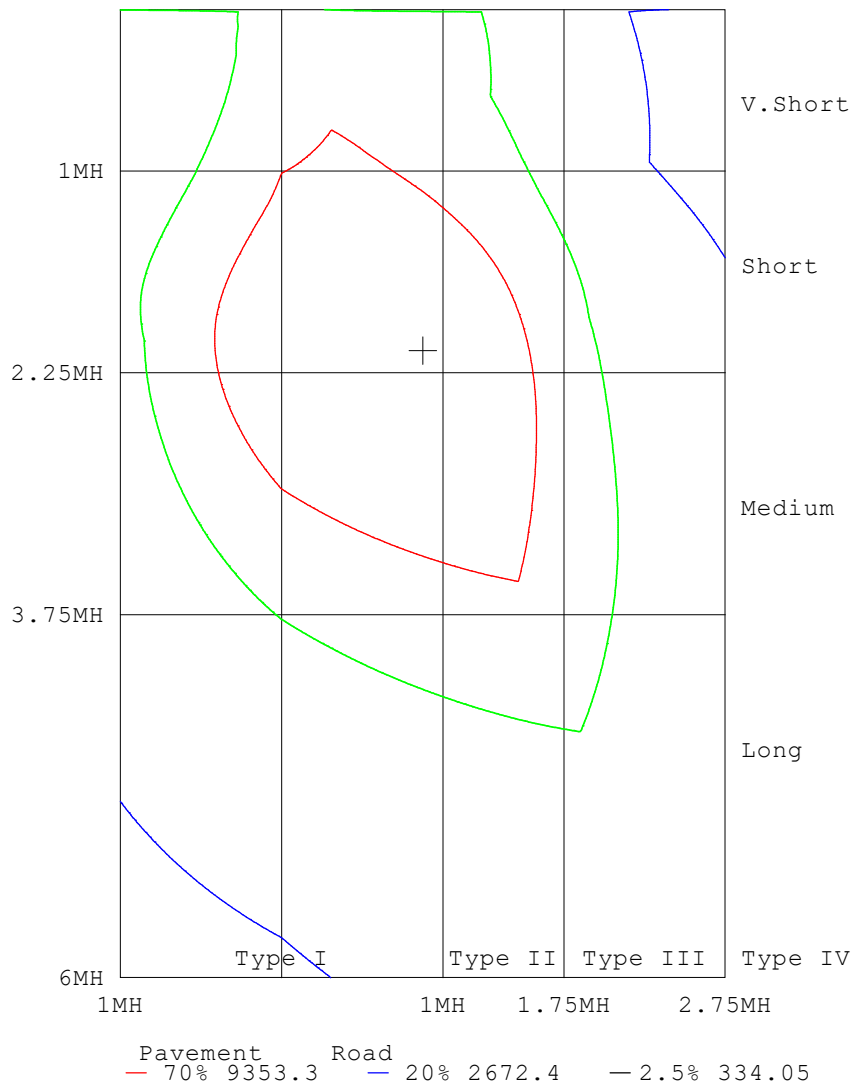
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 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: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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:118.87V I:1.8503A P:219.91W PF:0.9998 Freq:60.01Hz Lamp Flux:33790.1x1 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	811	811	811	811	811	811	811	811	811	811	811	811	811	811	811	811			
5	812	822	829	833	835	835	832	825	813	799	786	776	772	776	786	798			
10	814	833	841	842	844	847	848	840	819	787	756	732	724	733	756	786			
15	819	843	846	840	841	848	860	856	826	774	720	681	667	681	721	774			
20	825	853	845	831	830	843	867	873	837	760	681	629	612	629	682	759			
25	831	863	841	817	813	832	869	890	848	746	642	581	563	581	642	742			
30	837	872	837	799	790	815	869	905	862	733	607	540	520	538	604	725			
35	847	882	830	779	768	796	866	921	878	723	577	503	482	501	571	711			
40	859	893	823	760	745	775	863	942	902	718	550	467	446	466	542	702			
45	876	911	816	739	717	750	861	972	932	717	524	433	412	433	517	698			
50	905	936	809	708	678	715	862	1014	977	719	501	401	382	402	495	701			
55	969	982	798	659	608	661	863	1091	1053	729	477	373	356	374	474	717			
60	1081	1069	779	547	452	549	855	1211	1145	733	448	345	333	349	454	743			
65	1191	1187	733	358	268	364	813	1327	1178	685	396	310	302	319	423	751			
70	1113	1213	587	206	147	212	652	1266	1016	522	300	228	199	250	337	631			
75	766	1014	344	110	82.5	113	380	966	682	310	176	106	86.6	118	194	385			
80	351	625	148	56.0	43.7	56.7	152	506	277	130	73.6	44.3	40.0	49.7	79.4	160			
85	76.0	177	36.1	20.9	17.1	20.5	31.8	114	54.2	25.6	15.4	12.0	12.1	14.5	16.8	39.6			
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: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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: