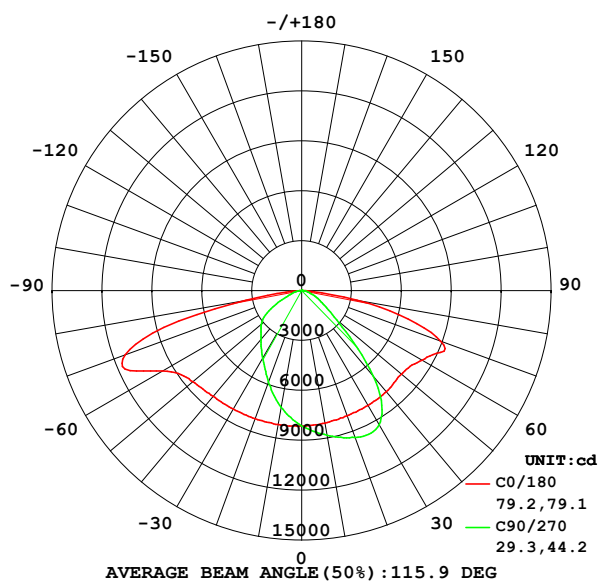
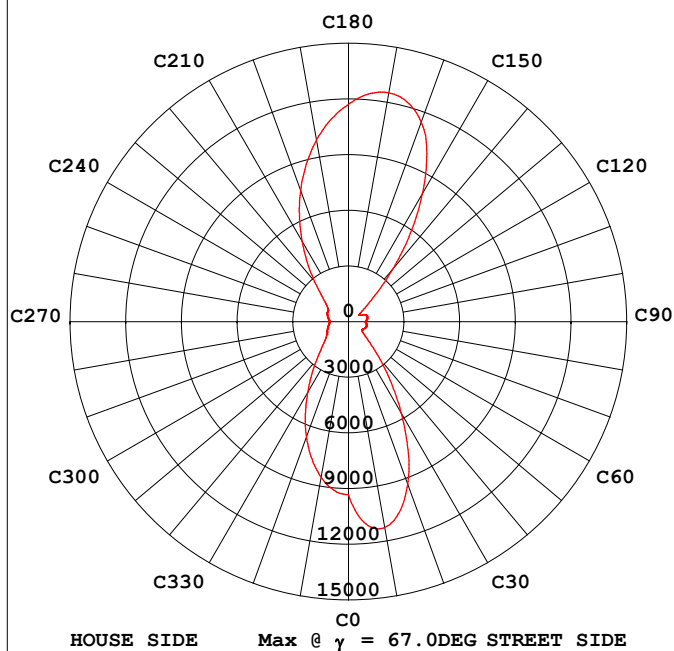


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.45 lm/W			
MODEL	AL-240WS-3CS-T2	Imax (cd)	11710	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	56.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28233	η house_up (%)	0.0
NOMINAL FLUX (lm)	28297.8	MAXIMUM @ (C, γ)	180, 67.0	η house_down (%)	43.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.566

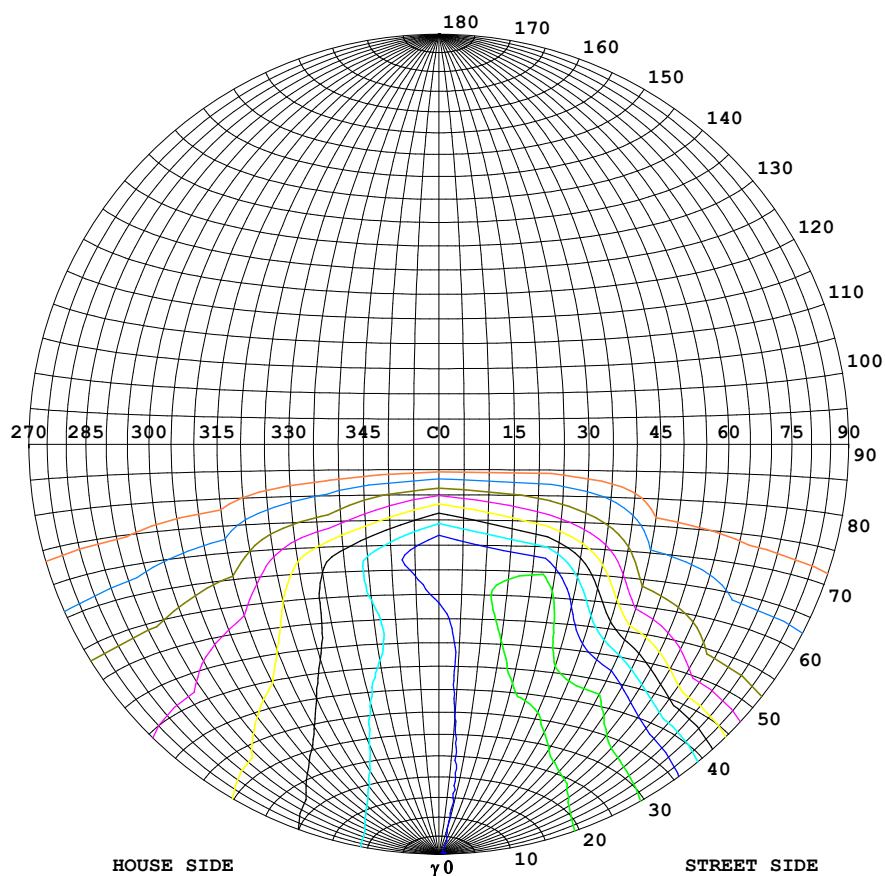
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



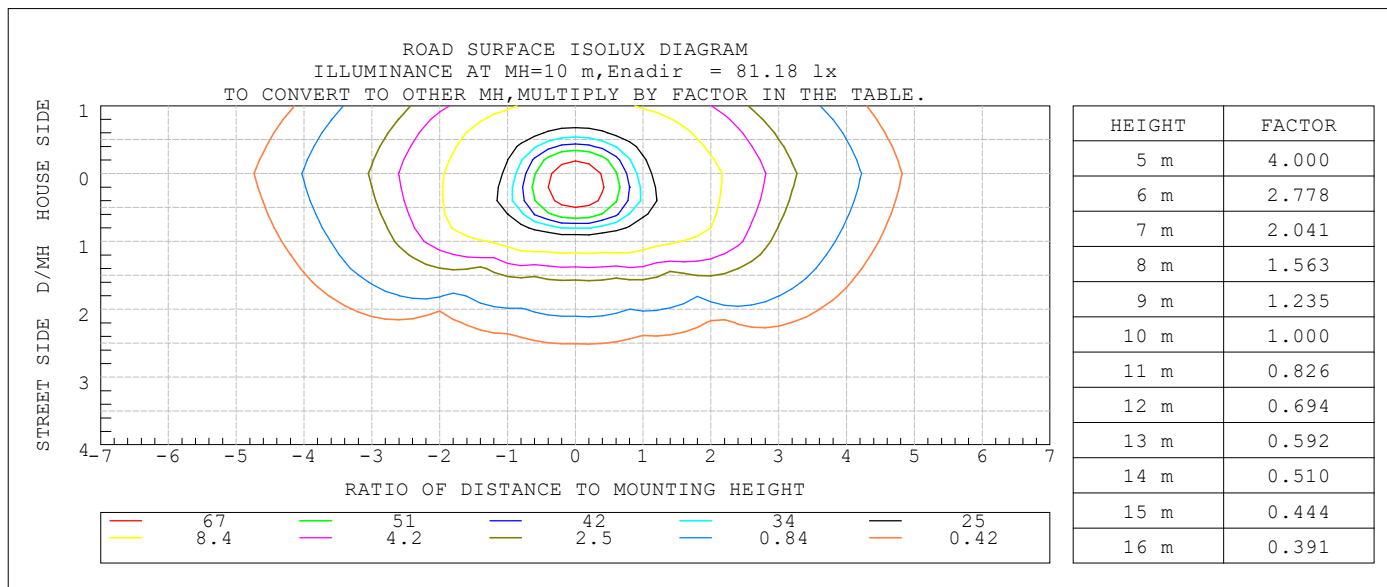
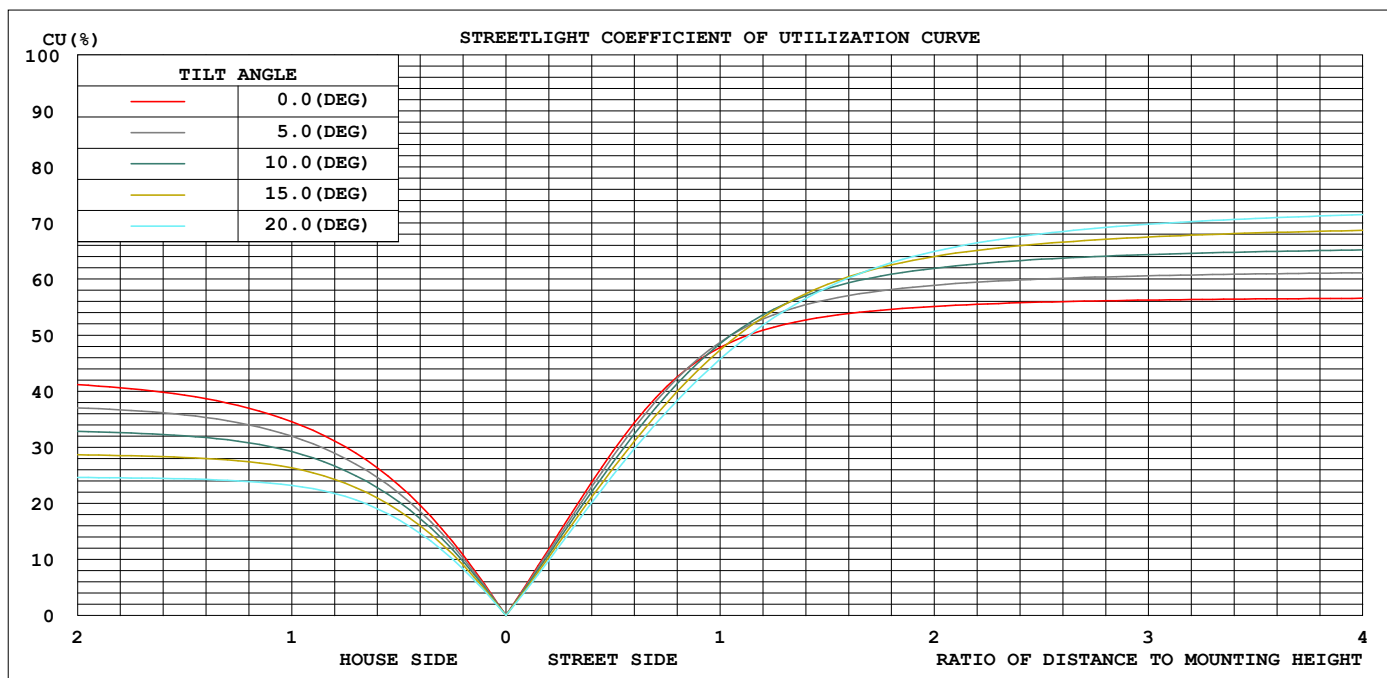
Classification:

IES:Type II - Medium
CIE:Narrow - Intermediate
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%		11710
90%		10539
80%		9368
70%		8197
60%		7026
50%		5855
40%		4684
30%		3513
20%		2342
10%		1171
5%		585

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
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: 25.4 °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:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

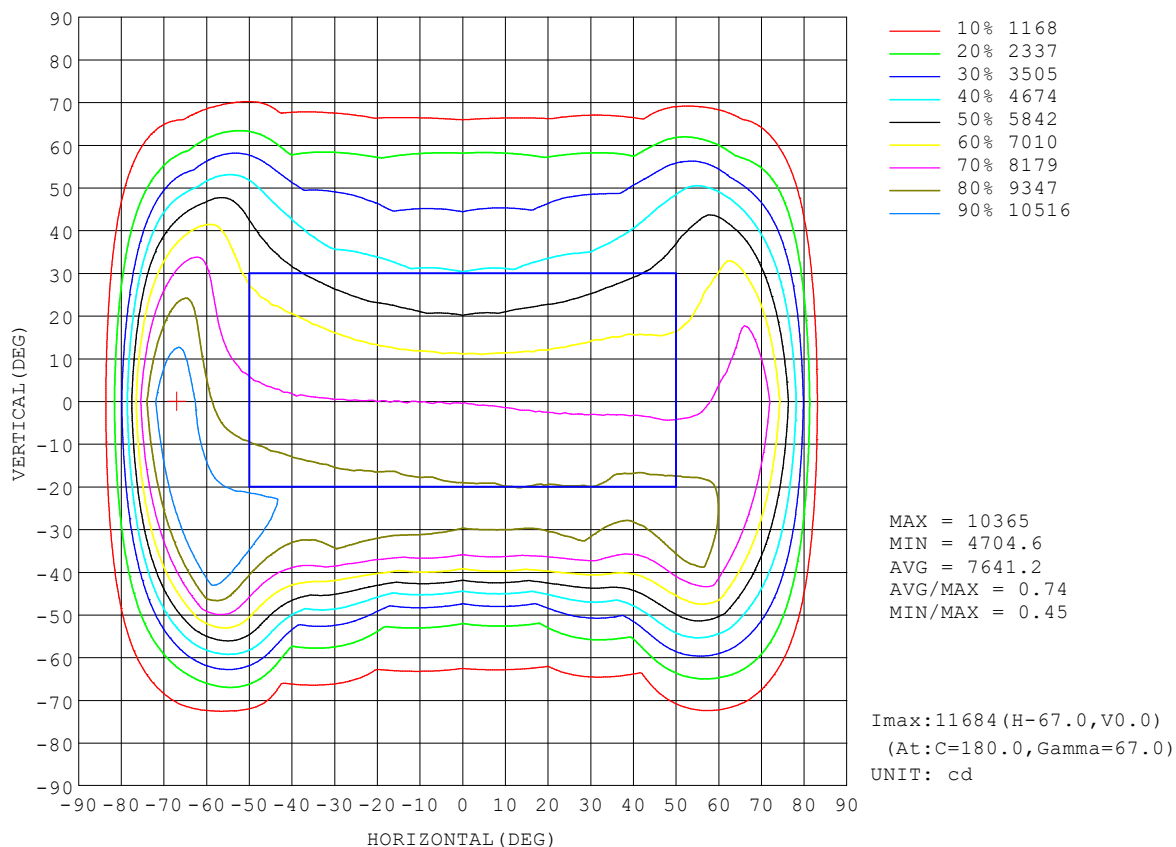
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	809.0	861.3	884.4	864.8	817.8	749.6	713.6	742.6	0- 10	773.0	773.0	2.74,2.73
20	802.2	903.3	940.6	916.8	818.9	671.6	585.5	666.4	10- 20	2260	3033	10.7,10.7
30	798.7	951.7	931.3	978.1	822.4	593.0	470.1	589.4	20- 30	3605	6637	23.5,23.5
40	793.0	955.8	668.4	986.4	830.6	510.2	382.4	505.3	30- 40	4656	11294	40,39.9
50	783.4	716.1	276.7	775.6	853.4	427.6	317.7	421.8	40- 50	4992	16285	57.7,57.6
60	838.0	331.2	135.4	394.8	968.8	333.7	203.4	328.0	50- 60	4783	21068	74.6,74.5
70	889.6	123.8	68.04	151.0	1129	164.4	77.42	153.9	60- 70	4352	25420	90,89.8
80	339.0	33.21	26.93	41.63	341.4	49.38	30.52	40.57	70- 80	2454	27874	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	358.8	28233	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28233	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28233	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28233	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28233	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28233	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28233	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28233	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28233	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28233	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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

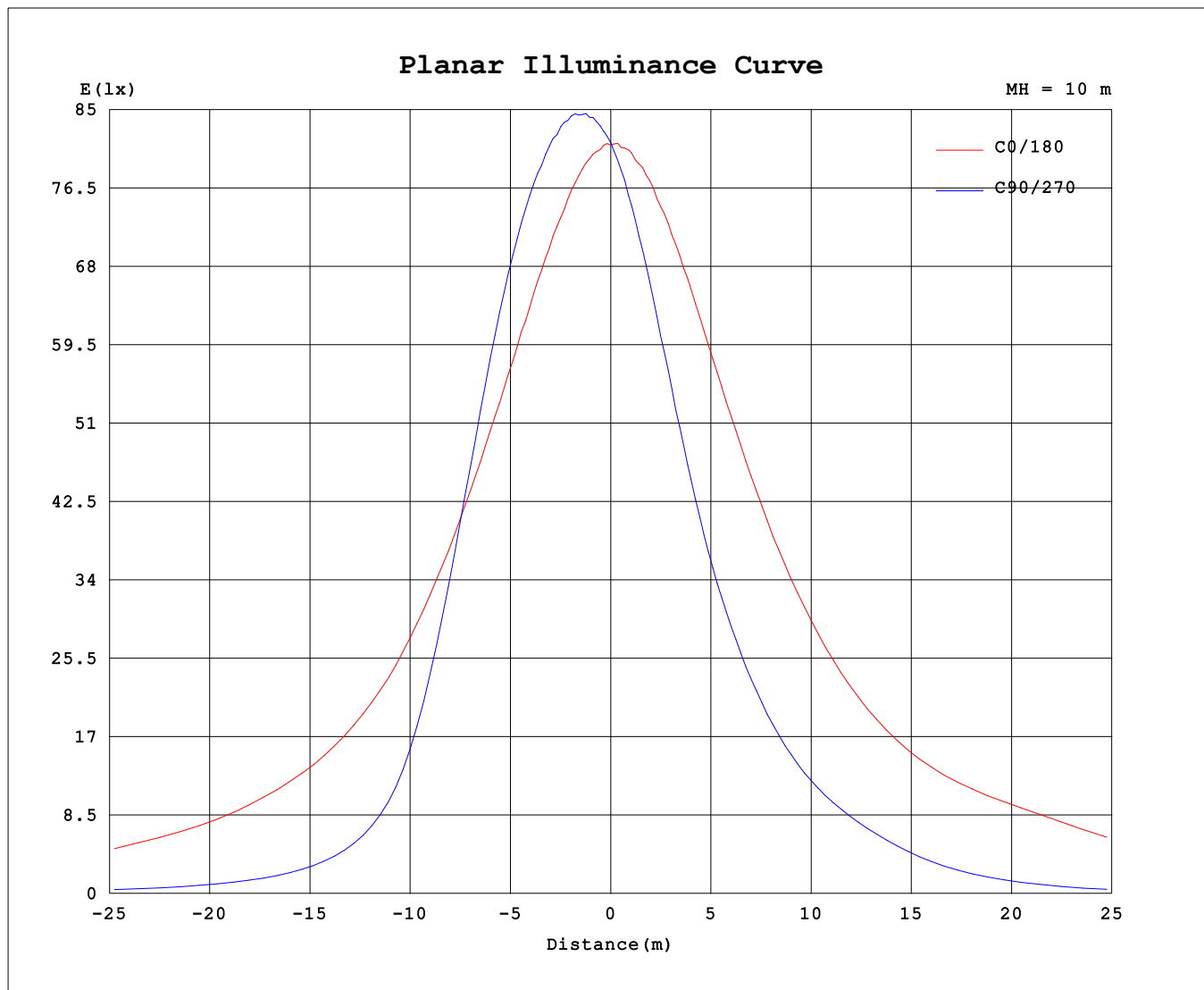
Test:U:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4°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



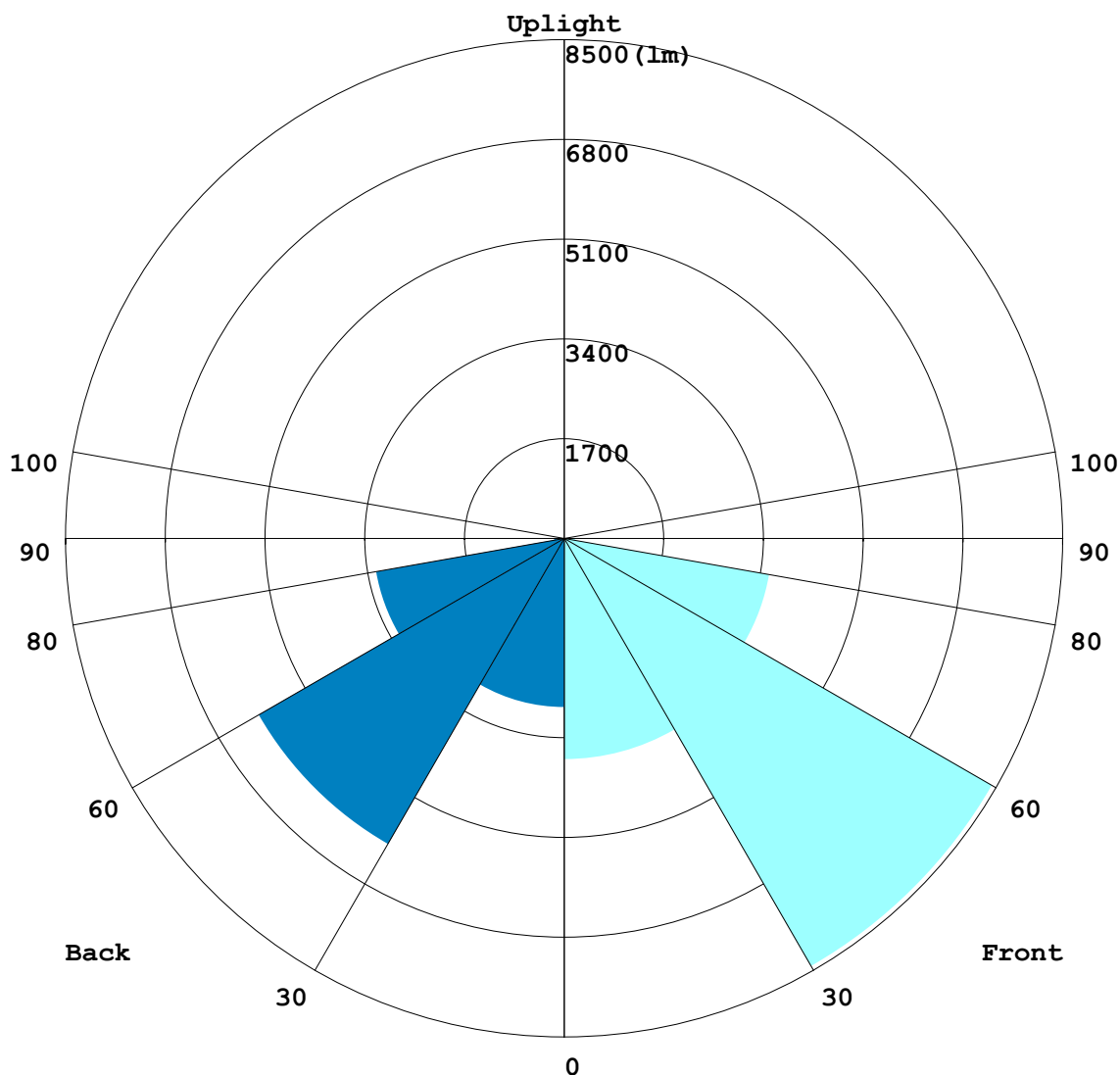
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-25

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:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 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: 25.4℃
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:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 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)	3761.7	13.3
FM - Front-Medium(30-60)	8419.3	29.8
FH - Front-High(60-80)	3550.7	12.6
FVH - Front-Very High(80-90)	190.32	0.7
Total Forward Light	15922	56.4

BL - Back-Low(0-30)	2875.6	10.2
BM - Back-Medium(30-60)	6011.6	21.3
BH - Back-High(60-80)	3254.9	11.5
BVH - Back-Very High(80-90)	168.44	0.6
Total Back Light	12311	43.6

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	12311	0	12311
Street Side	15922	0	15922

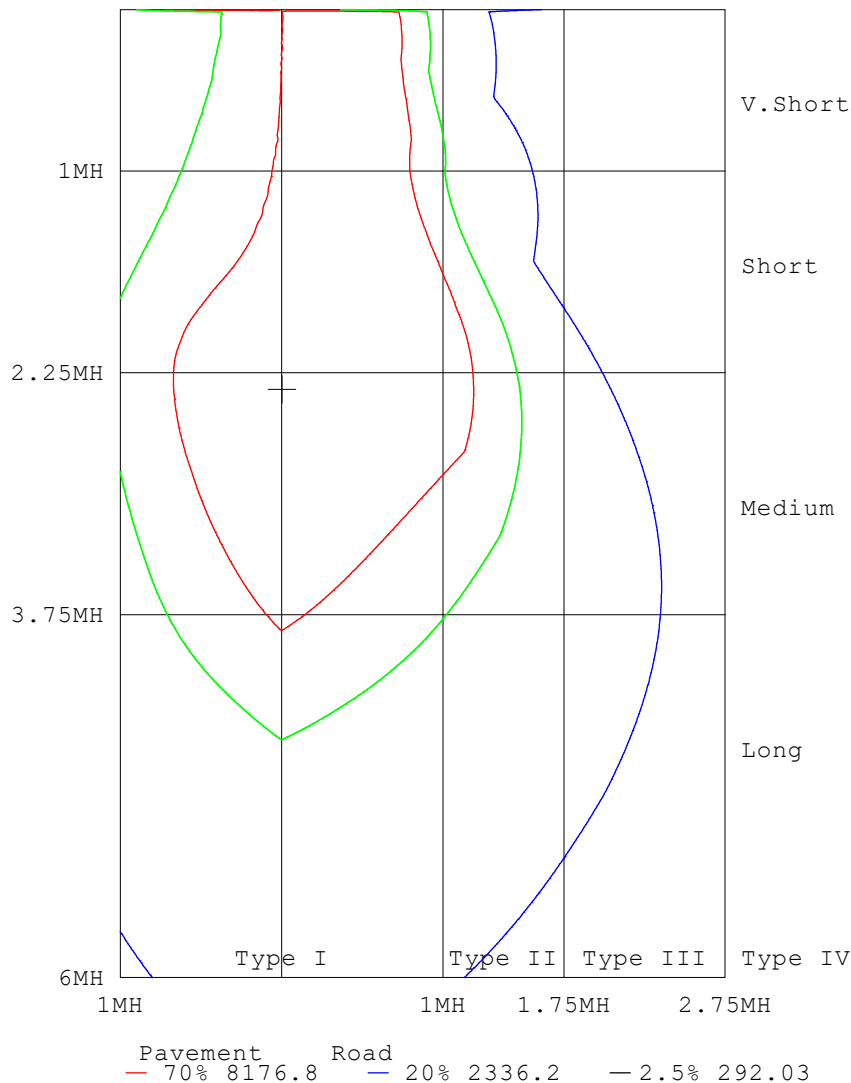
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-25

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:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 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: 25.4 °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:118.99V I:1.6660A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28297.8x1 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	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814	814			
5	813	829	838	847	851	847	841	834	818	800	785	772	766	770	781	799			
10	809	838	861	877	884	881	865	847	818	786	750	724	714	721	743	777			
15	805	849	882	906	912	912	894	864	820	771	711	665	651	666	707	760			
20	802	858	903	932	941	939	917	878	819	754	672	608	585	609	666	740			
25	799	874	926	950	954	959	947	895	822	742	631	550	522	550	630	727			
30	799	888	952	946	931	961	978	913	822	732	593	497	470	497	589	713			
35	796	914	968	894	841	907	998	939	826	723	552	448	424	448	547	698			
40	793	945	956	761	668	775	986	975	831	714	510	404	382	404	505	686			
45	786	980	879	549	443	565	917	1022	840	702	469	362	347	364	464	670			
50	783	1010	716	337	277	355	776	1077	853	695	428	328	318	330	422	651			
55	796	1042	513	219	187	231	587	1129	883	690	388	285	275	290	378	642			
60	838	1035	331	151	135	159	395	1151	969	704	334	219	203	220	328	645			
65	894	926	206	109	102	114	247	1128	1139	715	249	149	132	148	246	629			
70	890	703	124	78.0	68.0	82.0	151	926	1129	591	164	94.3	77.4	93.4	154	519			
75	664	415	70.8	49.0	44.0	51.5	89.2	524	859	330	102	58.1	50.5	56.4	87.8	289			
80	339	198	33.2	26.6	26.9	28.6	41.6	197	341	123	49.4	32.8	30.5	30.7	40.6	125			
85	42.5	43.6	10.00	9.37	11.5	11.2	12.9	51.7	62.3	31.7	11.9	11.6	10.6	9.61	9.23	27.6			
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: 25.4℃
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: