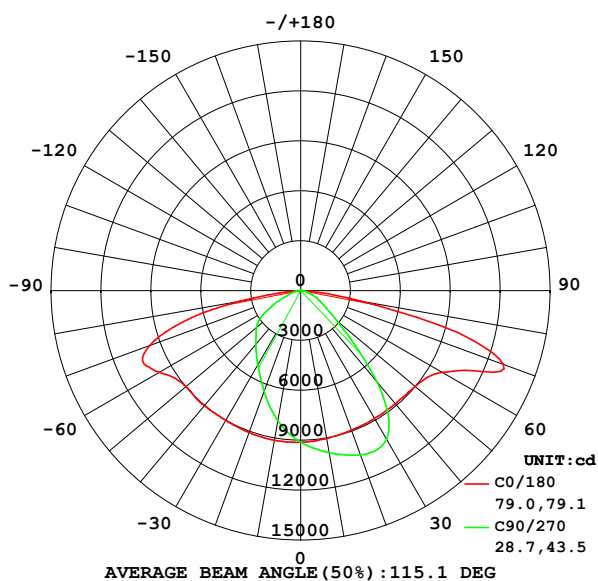
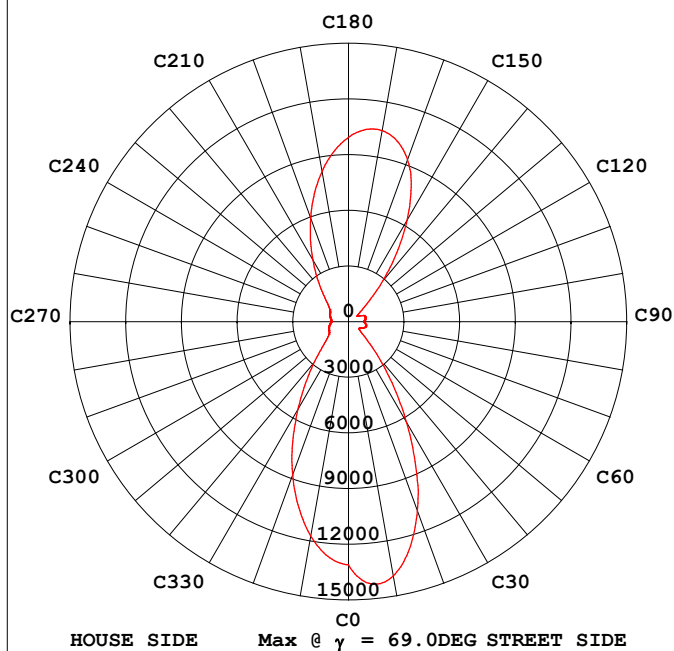


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.79 lm/W			
MODEL	AL-240WS-3CS-T2	Imax (cd)	13100	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	56.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30922	η house_up (%)	0.0
NOMINAL FLUX (lm)	30993.3	MAXIMUM @ (C, γ)	0,69.0	η house_down (%)	42.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.606

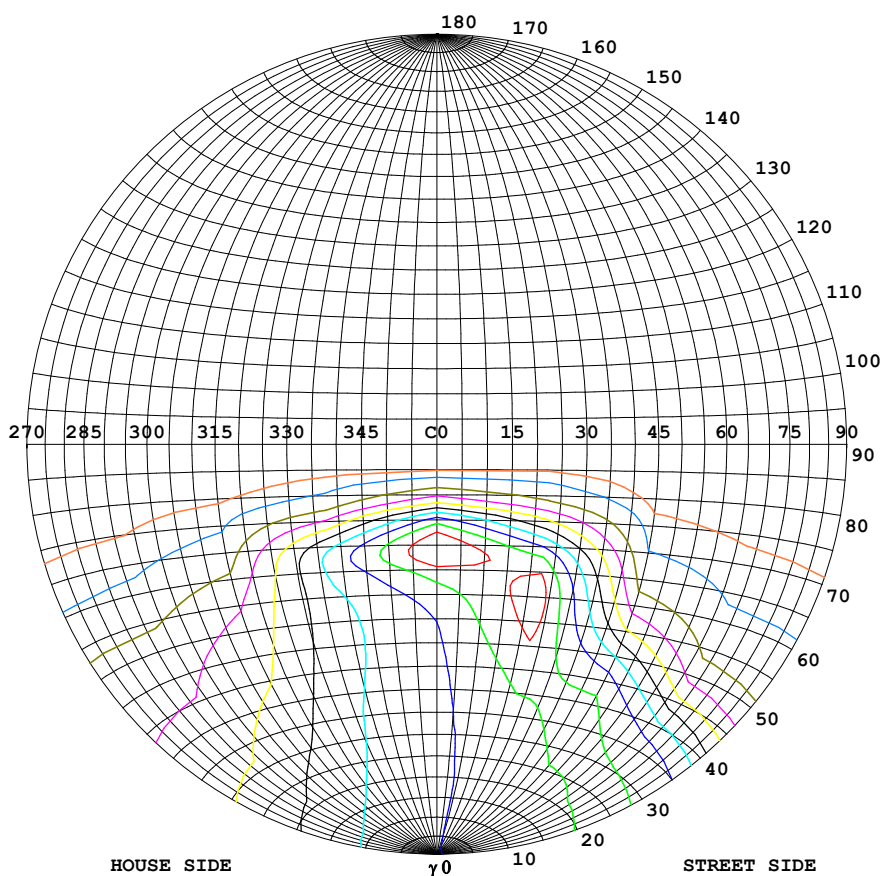
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°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:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



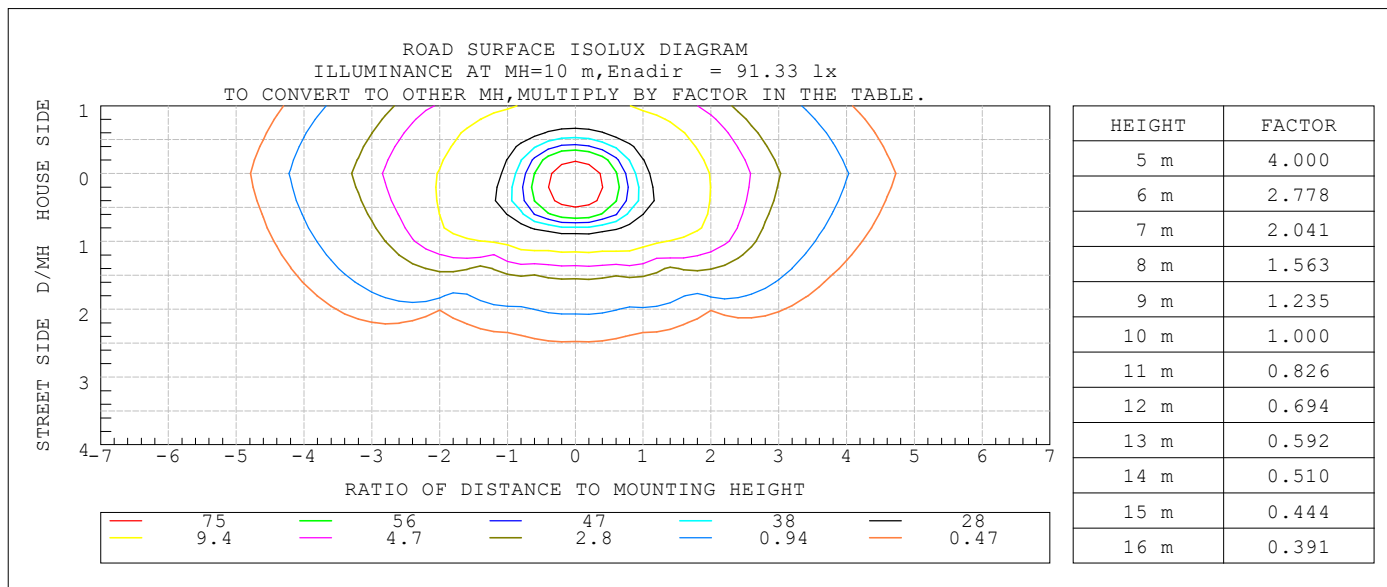
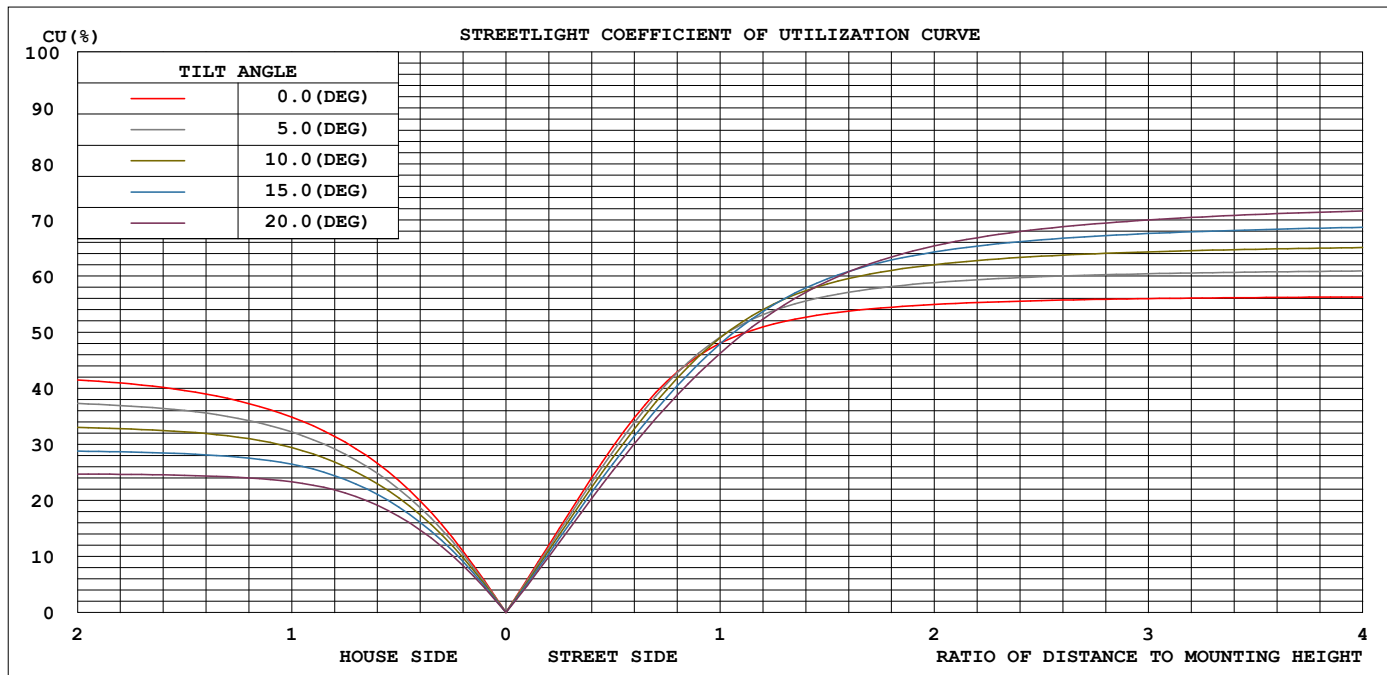
Classification:

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%		13100
90%		11790
80%		10480
70%		9170
60%		7860
50%		6550
40%		5240
30%		3930
20%		2620
10%		1310
5%		655

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°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:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

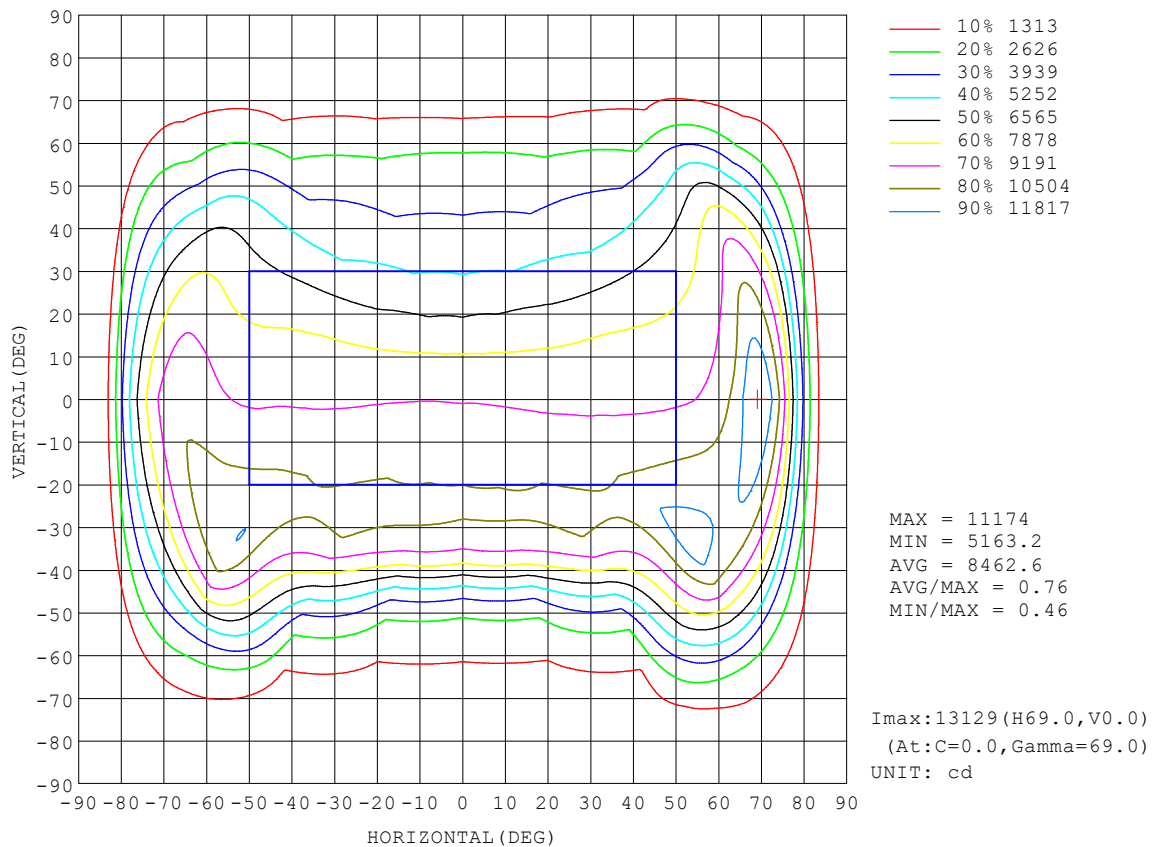
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	902.4	963.3	989.3	969.2	913.7	836.1	795.1	832.9	0- 10	864.4	864.4	2.8,2.79
20	892.6	1013	1051	1020	908.2	739.1	644.8	749.9	10- 20	2517	3381	10.9,10.9
30	887.4	1069	1032	1080	901.4	642.4	516.7	658.4	20- 30	3994	7376	23.9,23.8
40	887.5	1071	710.2	1078	903.0	545.5	420.2	564.0	30- 40	5123	12499	40.4,40.3
50	898.5	781.2	288.9	810.6	900.0	453.9	347.6	472.8	40- 50	5442	17941	58,57.9
60	983.9	340.0	142.7	379.9	983.0	345.6	223.4	379.6	50- 60	5200	23141	74.8,74.7
70	1297	135.3	72.71	138.2	965.3	161.4	84.79	189.1	60- 70	4734	27875	90.1,89.9
80	369.8	42.13	28.61	35.07	374.0	43.18	33.25	53.81	70- 80	2666	30541	98.8,98.5
90	0	0	0	0	0	0	0	0	80- 90	381.3	30922	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	30922	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	30922	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	30922	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	30922	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	30922	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	30922	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	30922	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	30922	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	30922	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
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

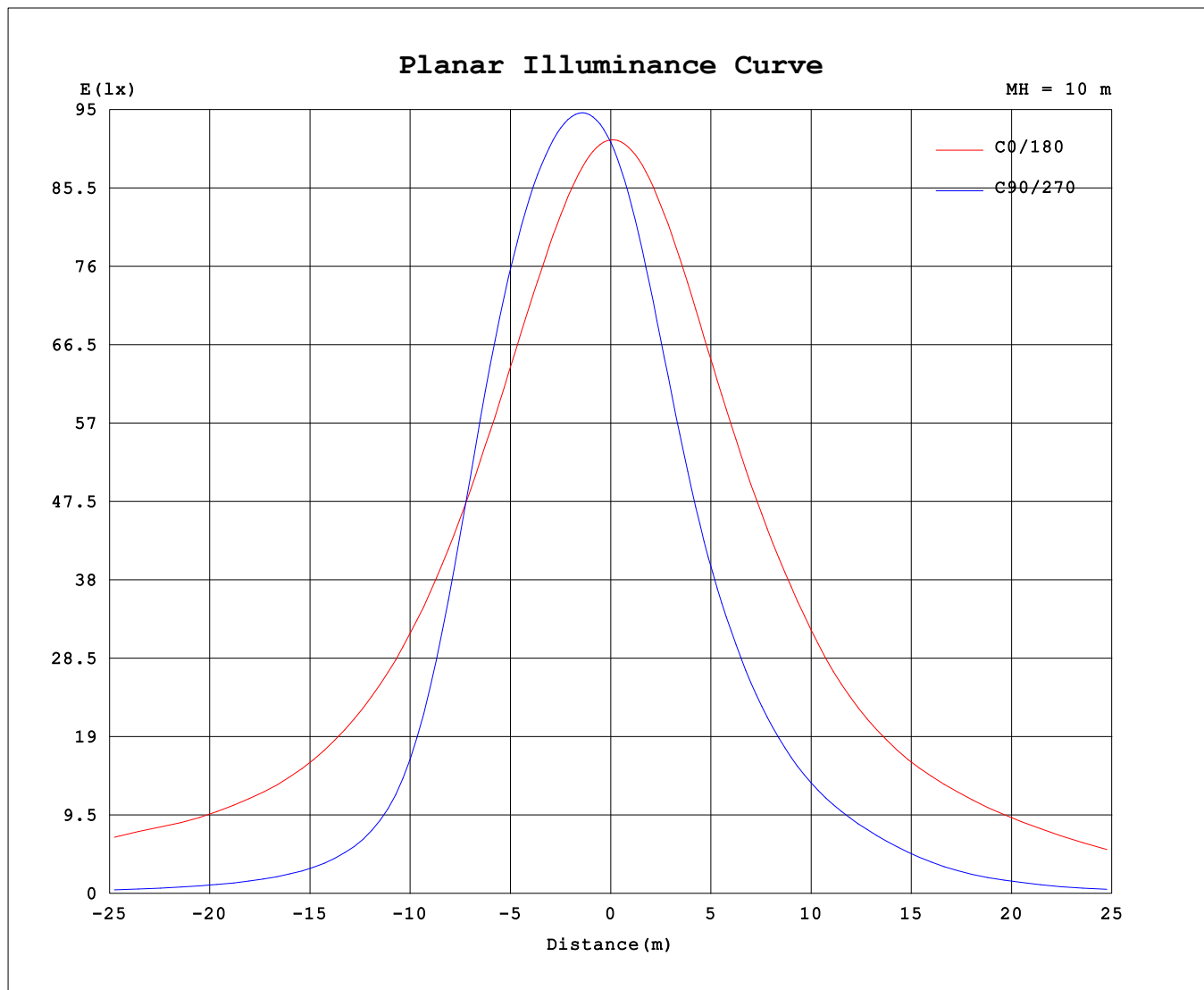
Test:U:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°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



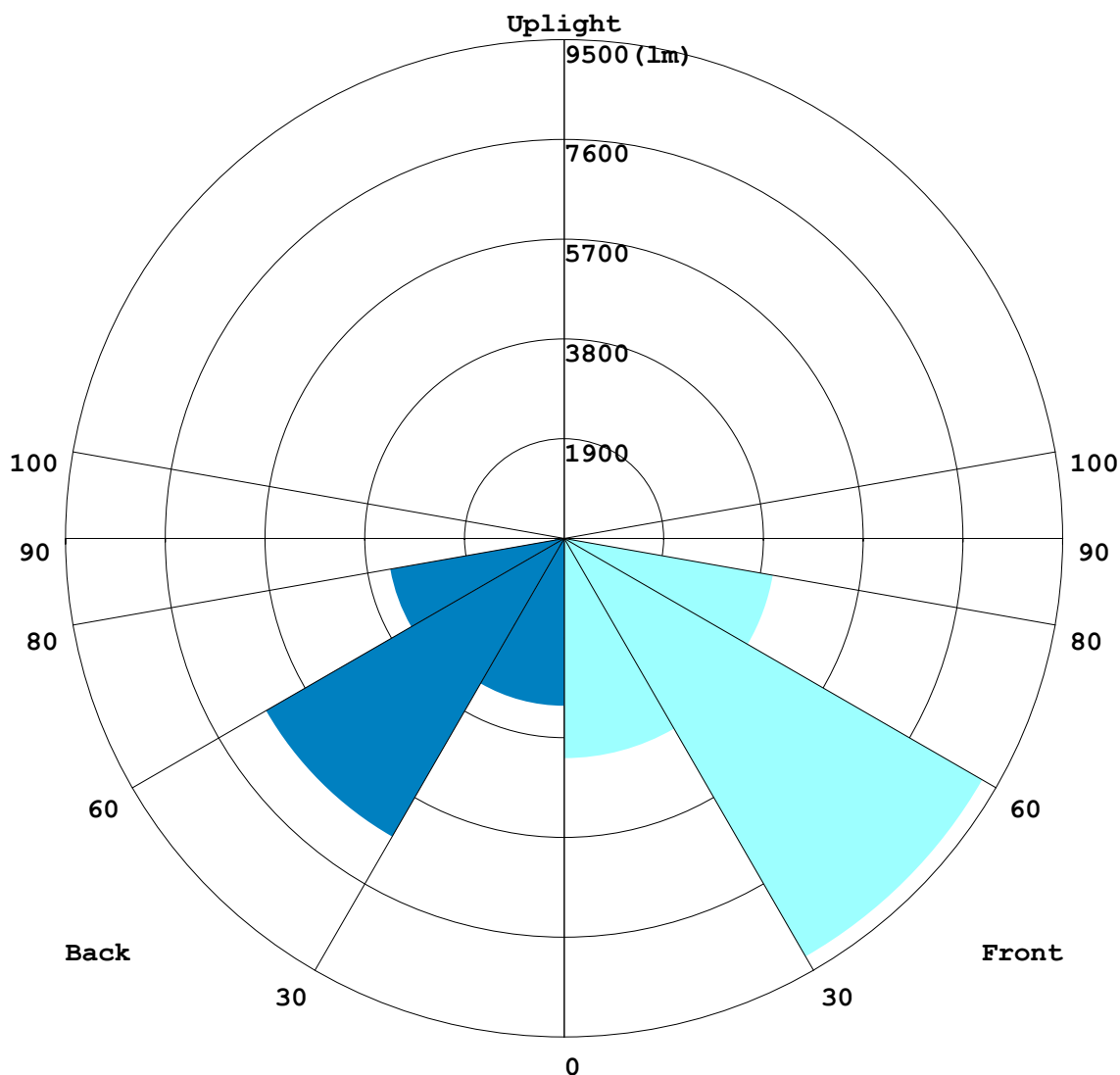
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.1°C
 Operators:DAMIN
 Test Date:2024-12-25

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:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 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: 25.1°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:

BUG REPORT

Test:U:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 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)	4187.6	13.5
FM - Front-Medium(30-60)	9202.9	29.8
FH - Front-High(60-80)	4037.6	13.1
FVH - Front-Very High(80-90)	204.77	0.7
Total Forward Light	17633	57.0

BL - Back-Low(0-30)	3187.9	10.3
BM - Back-Medium(30-60)	6562.6	21.2
BH - Back-High(60-80)	3362.2	10.9
BVH - Back-Very High(80-90)	176.55	0.6
Total Back Light	13289	43.0

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	13289	0	13289
Street Side	17633	0	17633

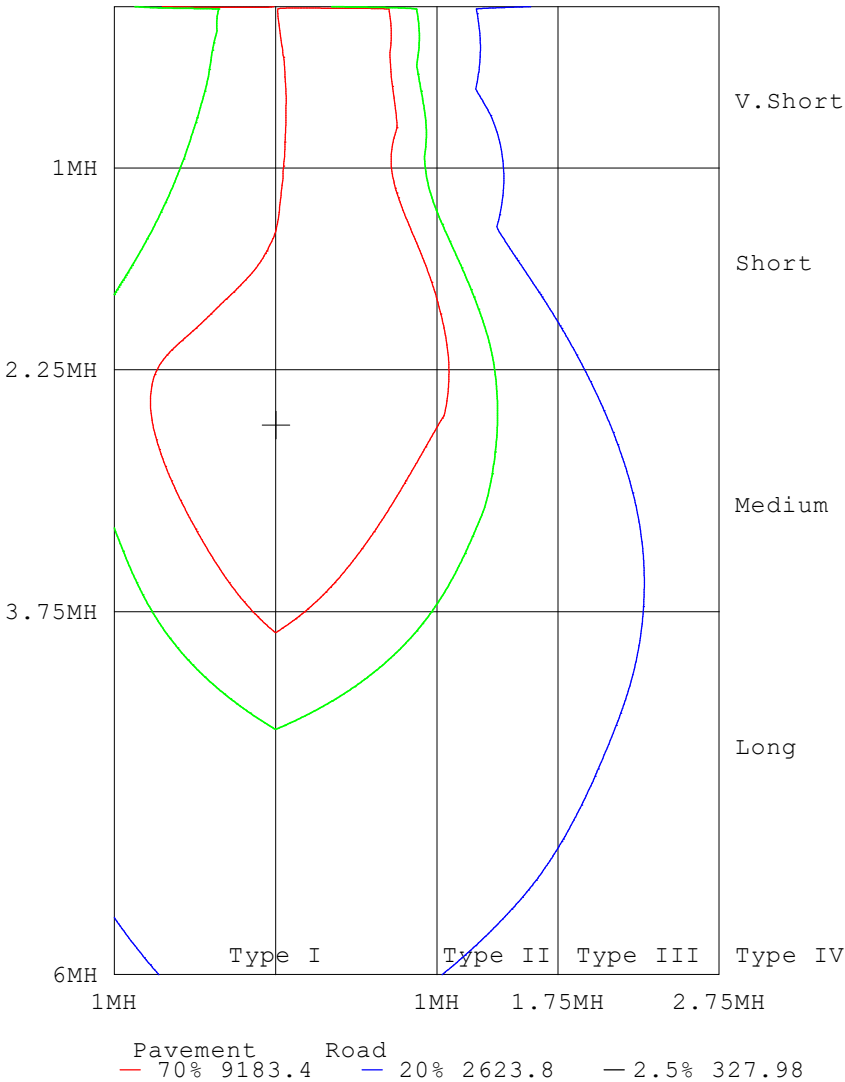
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:DAMIN
Test Date:2024-12-25

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:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 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: 25.1°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:118.79V I:1.9608A P:232.87W PF:0.9998 Freq:60.01Hz Lamp Flux:30993.3x1 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	911	911	911	911	911	911	911	911	911	911	911	911	911	911	911	911			
5	908	924	939	949	953	951	943	929	913	895	877	865	860	863	874	889			
10	902	935	963	982	989	986	969	944	914	874	836	806	795	806	833	867			
15	897	944	987	1014	1023	1017	995	958	911	854	788	738	721	744	792	847			
20	893	954	1013	1041	1051	1047	1020	969	908	833	739	667	645	677	750	830			
25	891	968	1040	1060	1062	1068	1050	981	904	813	691	600	574	609	705	813			
30	887	985	1069	1053	1032	1065	1080	995	901	797	642	541	517	547	658	799			
35	887	1011	1088	987	919	996	1098	1018	900	784	594	489	465	493	611	787			
40	887	1048	1071	823	710	830	1078	1050	903	770	545	439	420	444	564	776			
45	890	1099	978	575	461	586	986	1095	901	754	499	394	380	400	518	763			
50	898	1163	781	353	289	365	811	1137	900	730	454	355	348	362	473	754			
55	920	1224	539	228	196	238	588	1176	922	715	407	310	302	318	431	752			
60	984	1249	340	160	143	165	380	1183	983	713	346	237	223	242	380	766			
65	1141	1168	213	116	108	118	233	1081	1040	670	256	160	146	164	287	818			
70	1297	912	135	85.0	72.7	84.2	138	799	965	497	161	100	84.8	106	189	757			
75	978	546	85.2	54.1	46.7	52.5	77.3	402	737	280	91.4	60.3	55.0	64.7	117	409			
80	370	221	42.1	30.0	28.6	28.5	35.1	172	374	128	43.2	33.3	33.3	36.4	53.8	142			
85	57.9	58.2	13.4	11.7	12.2	10.0	10.8	37.4	53.4	27.3	10.6	10.2	11.7	12.9	12.7	36.7			
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: 25.1℃
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: