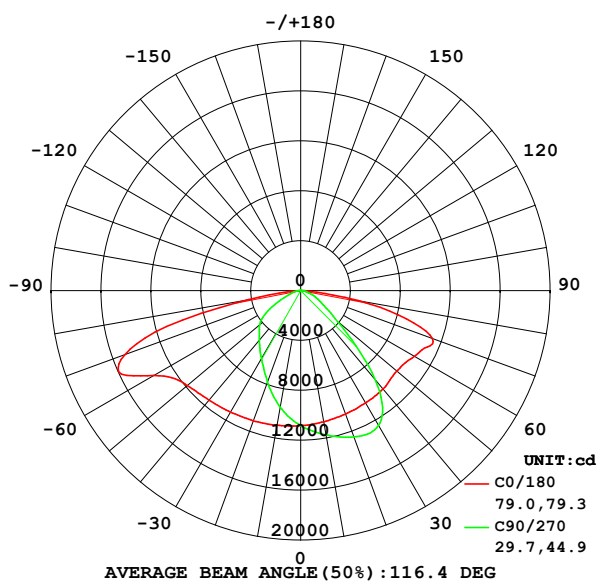
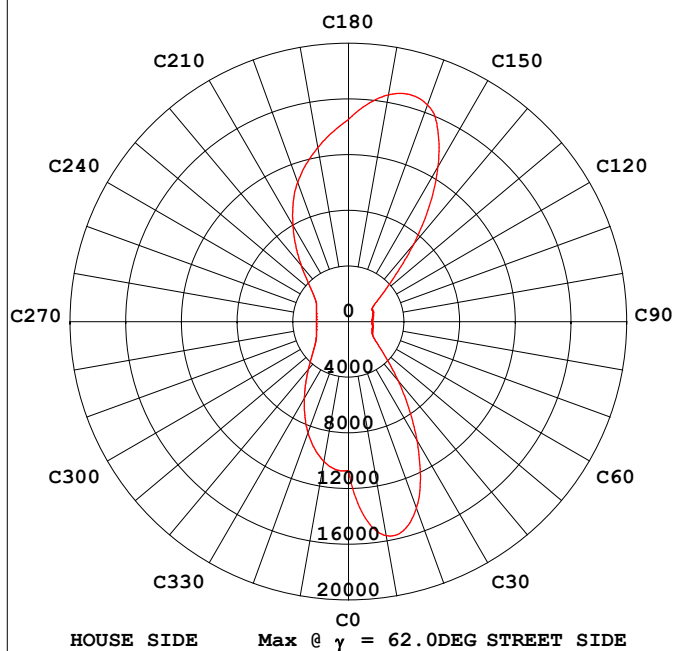


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.17 lm/W			
MODEL	AL-300WS-3CS-T2	Imax (cd)	16134	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	56.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	37989	η house_up (%)	0.0
NOMINAL FLUX (lm)	38078.9	MAXIMUM @ (C, γ)	158,62.0	η house_down (%)	43.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.808

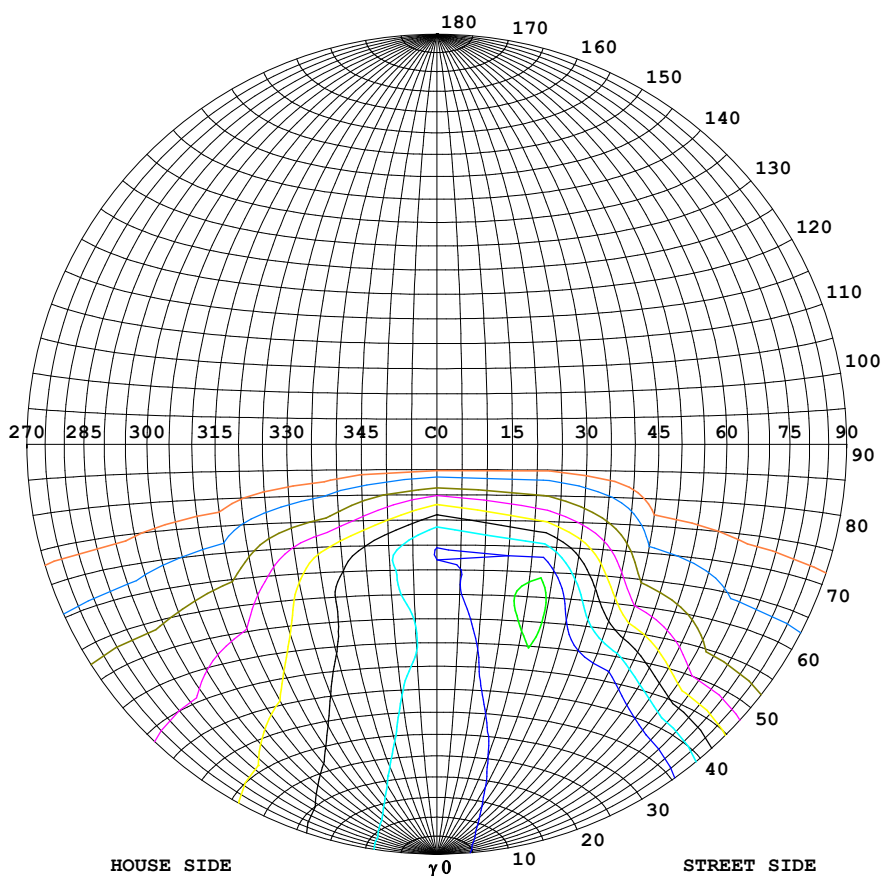
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



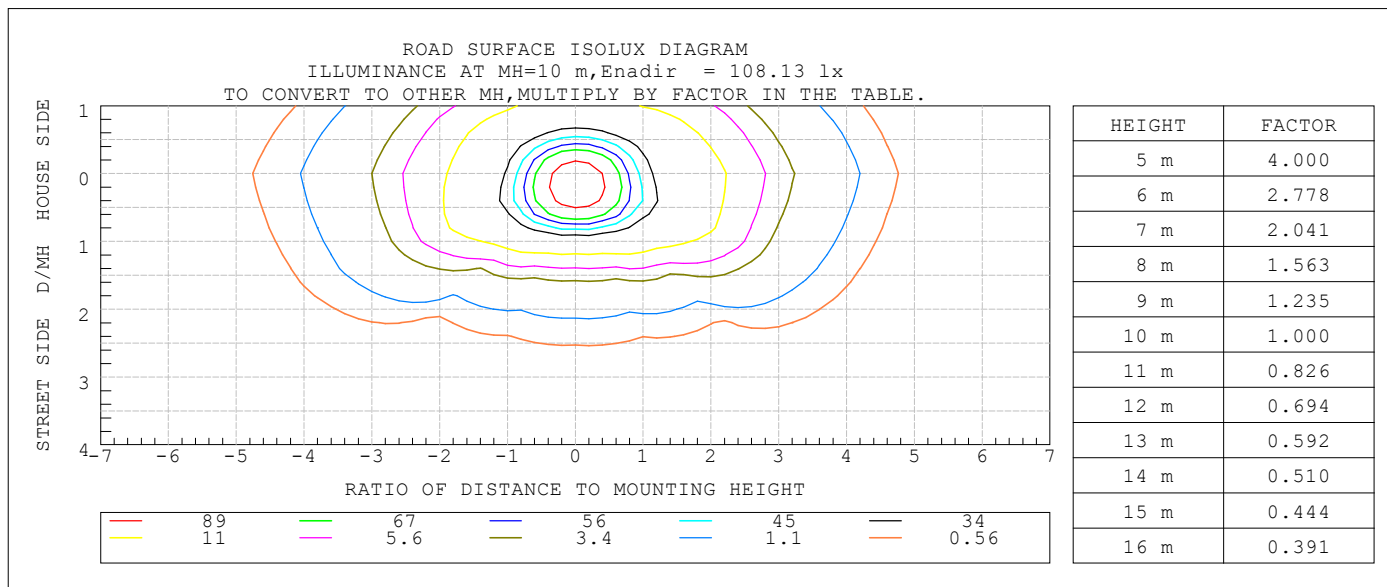
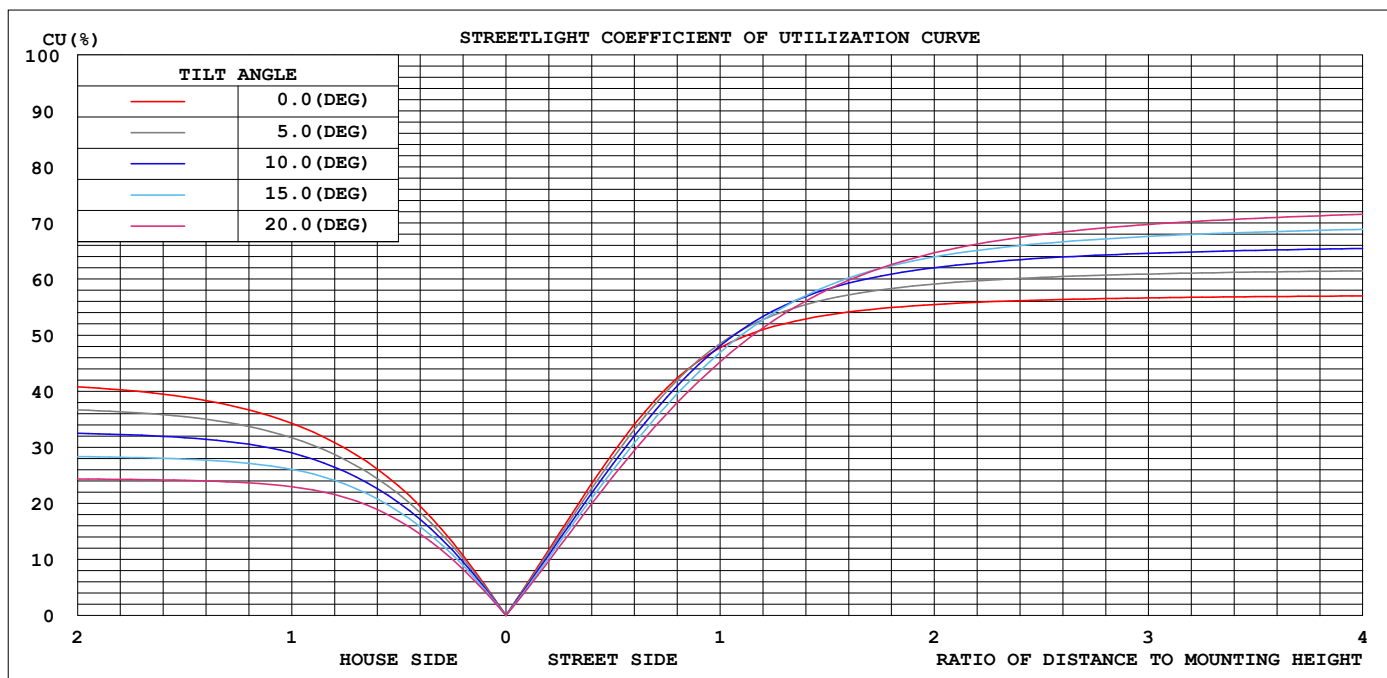
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:123.2cd/klm
Max.At90:0cd/klm
Max.80-90:123.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		16134
90%		14521
80%		12907
70%		11294
60%		9681
50%		8067
40%		6454
30%		4840
20%		3227
10%		1613
5%		807

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:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

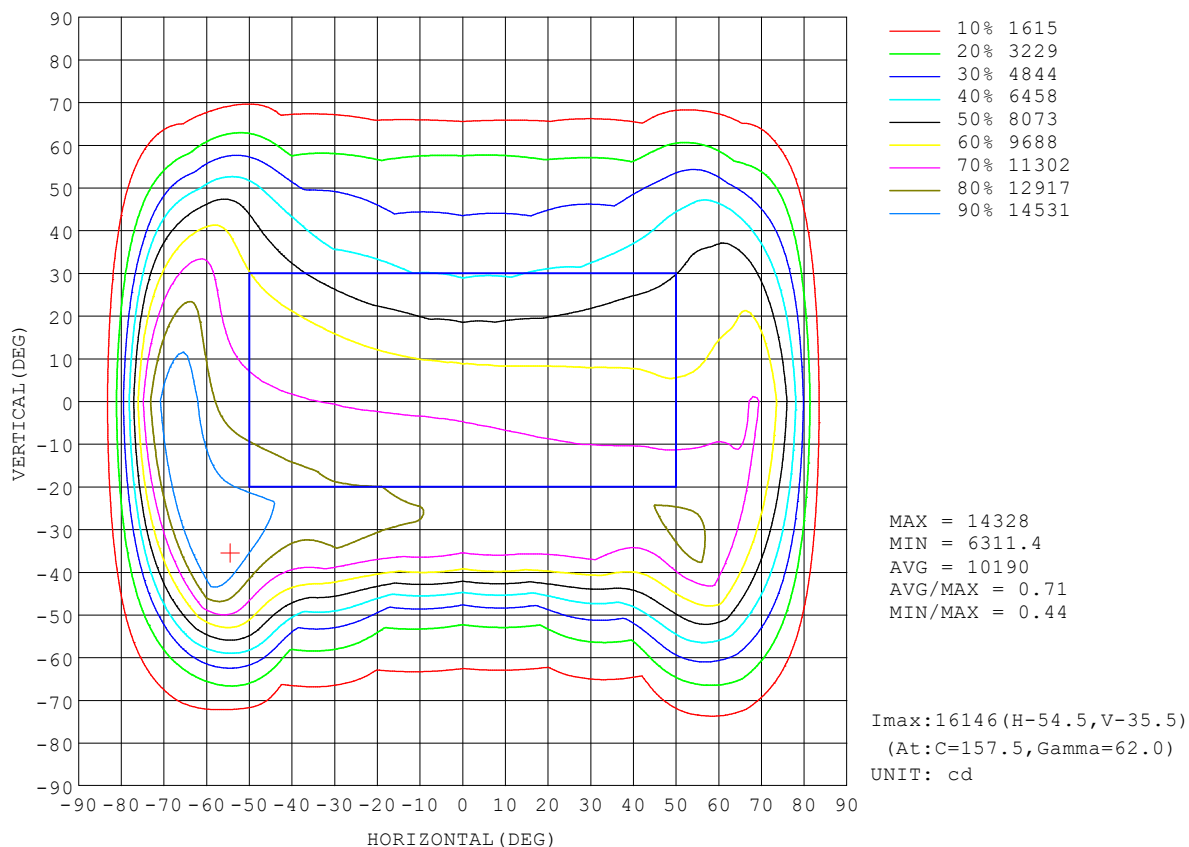
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1068	1140	1175	1160	1096	1003	948.7	985.3	0- 10	1028	1028	2.71,2.7
20	1053	1190	1249	1231	1111	908.3	779.7	879.4	10- 20	3007	4035	10.6,10.6
30	1041	1247	1249	1315	1126	810.9	630.7	768.5	20- 30	4802	8837	23.3,23.2
40	1029	1273	928.1	1349	1146	704.8	517.4	654.6	30- 40	6238	15075	39.7,39.6
50	1006	999.1	391.4	1092	1186	598.1	430.7	546.4	40- 50	6758	21833	57.5,57.3
60	1056	483.9	188.1	574.6	1364	463.0	270.4	420.7	50- 60	6499	28332	74.6,74.4
70	1123	183.7	94.86	219.9	1500	221.4	102.0	195.2	60- 70	5874	34207	90,89.8
80	469.1	50.31	37.07	57.46	424.7	62.67	40.39	53.86	70- 80	3290	37497	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	492.7	37989	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	37989	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	37989	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	37989	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	37989	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	37989	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	37989	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	37989	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	37989	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	37989	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

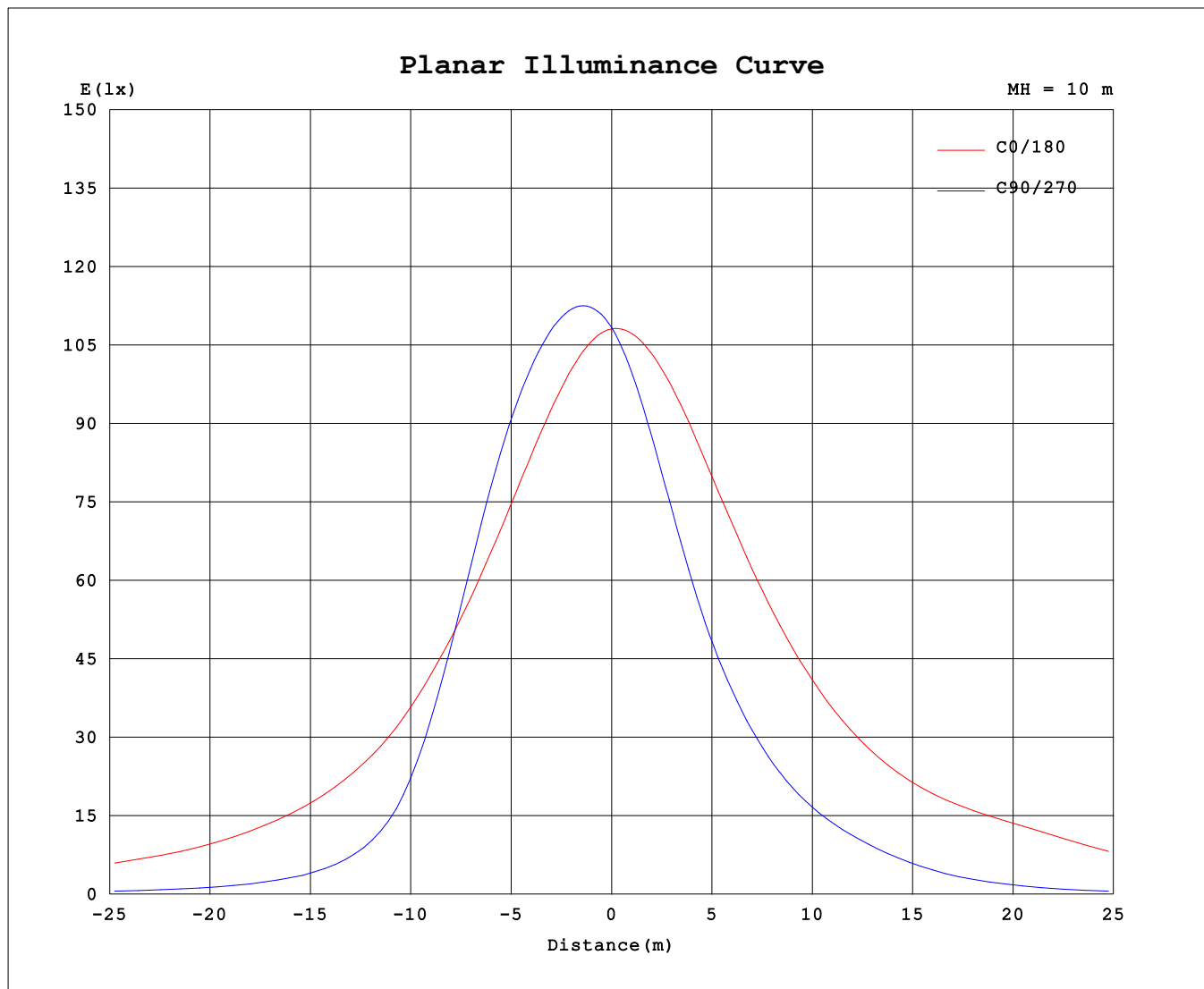
Test:U:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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

Planar Illuminance Curve



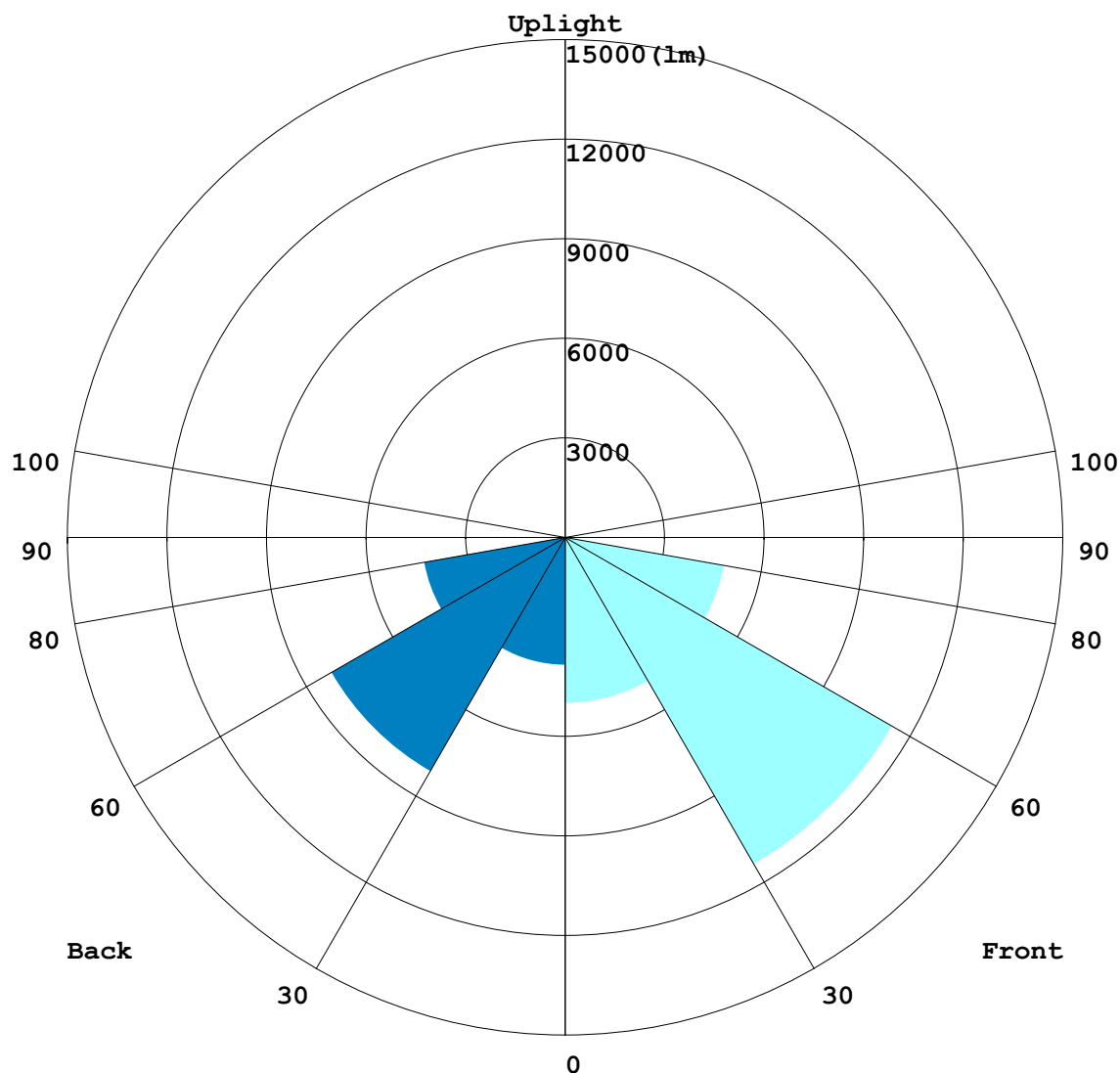
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:

LCS REPORT

Test:U:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 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:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 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)	4993.4	13.1
FM - Front-Medium(30-60)	11368	29.9
FH - Front-High(60-80)	4856.5	12.8
FVH - Front-Very High(80-90)	279.88	0.7
Total Forward Light	21498	56.6

BL - Back-Low(0-30)	3843.2	10.1
BM - Back-Medium(30-60)	8127.8	21.4
BH - Back-High(60-80)	4307.7	11.3
BVH - Back-Very High(80-90)	212.83	0.6
Total Back Light	16492	43.4

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	16492	0	16492
Street Side	21498	0	21498

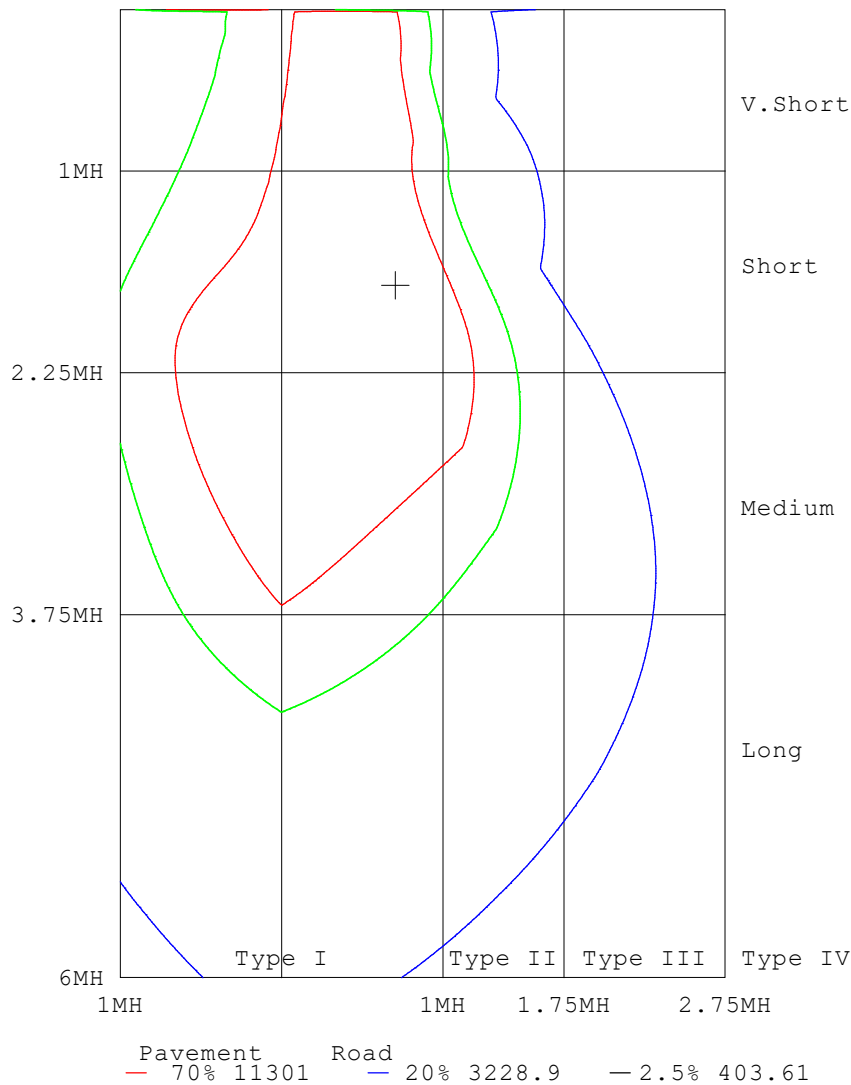
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 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:118.59V I:2.4809A P:294.11W PF:0.9997 Freq:60.01Hz Lamp Flux:38078.9x1 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	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083	1083			
5	1076	1096	1113	1126	1132	1132	1124	1108	1089	1068	1046	1030	1022	1025	1036	1055			
10	1068	1107	1140	1165	1175	1175	1160	1133	1096	1051	1003	966	949	957	985	1026			
15	1060	1117	1165	1201	1215	1216	1195	1156	1104	1036	956	893	866	884	933	998			
20	1053	1126	1190	1233	1249	1253	1231	1179	1111	1022	908	817	780	805	879	972			
25	1047	1139	1216	1258	1269	1286	1273	1205	1116	1010	861	742	698	727	824	948			
30	1041	1153	1247	1261	1249	1292	1315	1232	1126	1002	811	672	631	658	769	924			
35	1035	1178	1277	1206	1146	1235	1346	1268	1134	994	759	608	571	597	712	905			
40	1029	1211	1273	1050	928	1069	1349	1319	1146	988	705	549	517	541	655	884			
45	1015	1253	1192	779	629	796	1271	1389	1161	978	650	495	471	490	600	859			
50	1006	1295	999	485	391	504	1092	1474	1186	972	598	448	431	446	546	829			
55	1018	1344	732	311	262	327	840	1560	1232	976	545	386	369	390	489	811			
60	1056	1363	484	215	188	225	575	1609	1364	1000	463	292	270	293	421	807			
65	1094	1253	305	152	140	158	363	1587	1586	1002	342	198	173	195	312	771			
70	1123	1010	184	109	94.9	113	220	1264	1500	793	221	126	102	121	195	640			
75	878	637	105	68.7	60.6	70.6	125	698	1114	431	135	76.8	66.4	72.9	112	358			
80	469	317	50.3	37.3	37.1	39.1	57.5	254	425	158	62.7	43.0	40.4	39.9	53.9	159			
85	65.9	73.7	16.2	13.5	16.1	15.6	17.6	63.8	79.5	42.4	14.2	14.5	13.7	12.5	12.5	38.8			
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: