

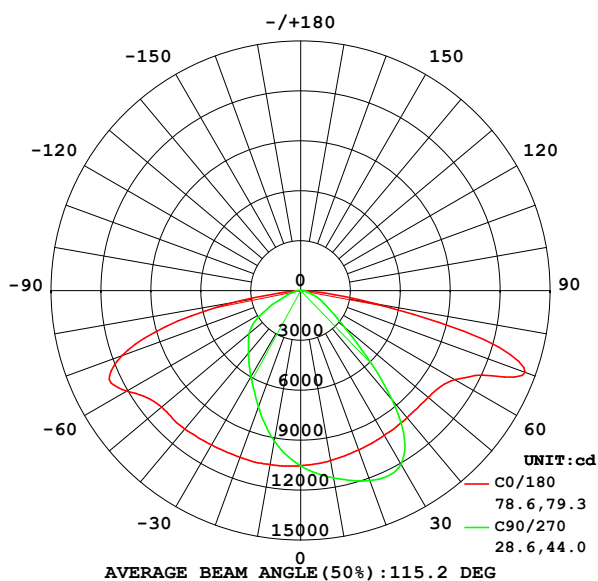
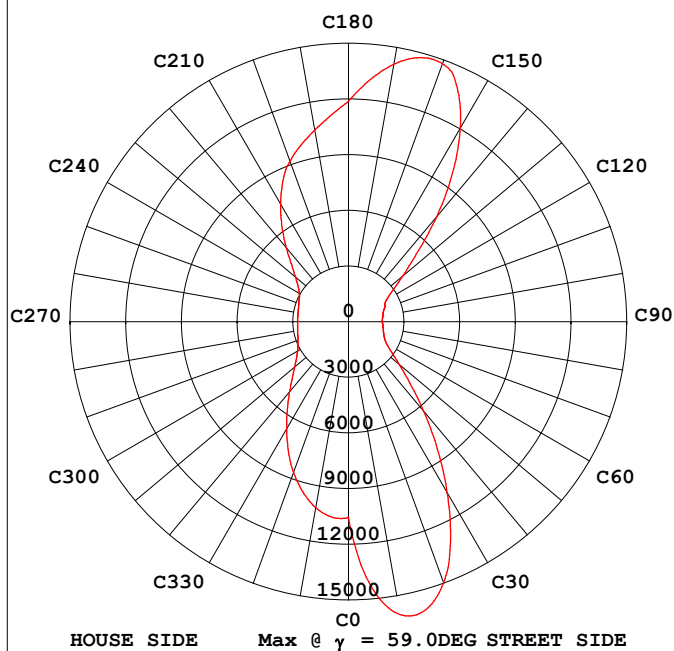
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.59V I:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz

Lamp Flux:36094x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.88 lm/W			
MODEL	AL-300WS-3CS-T2	I <sub>max</sub> (cd)	14569	η street_up (%)	0.0
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	57.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	36009	η house_up (%)	0.0
NOMINAL FLUX (lm)	36094	MAXIMUM @ (C, γ )	158,59.0	η house_down (%)	42.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.706

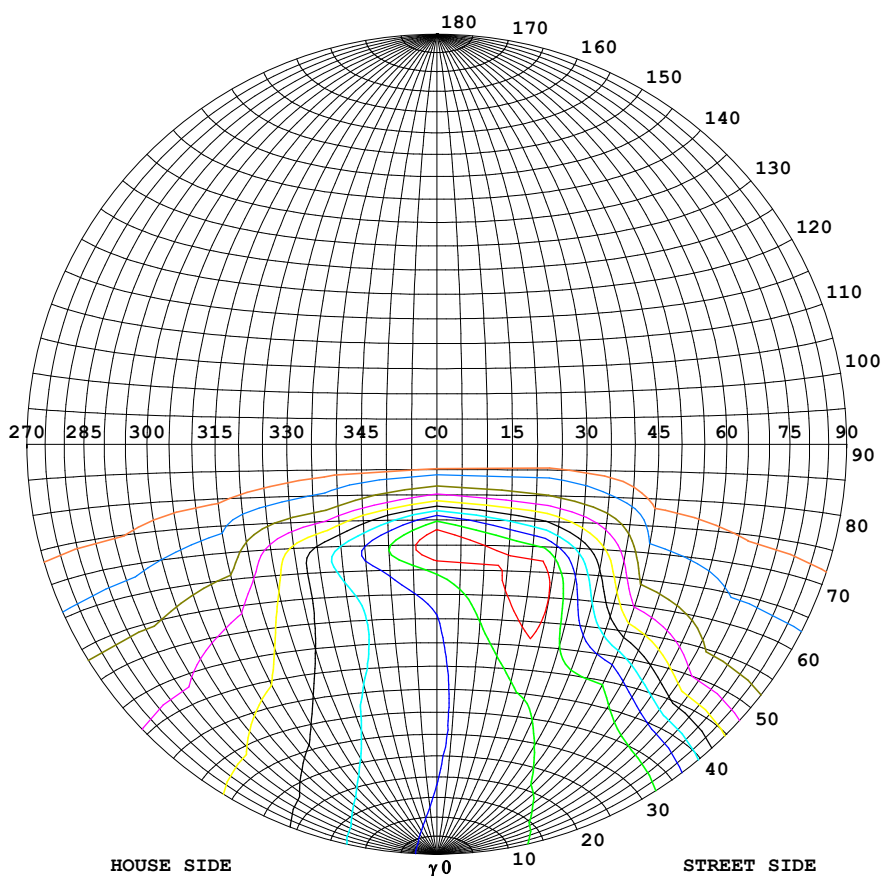
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



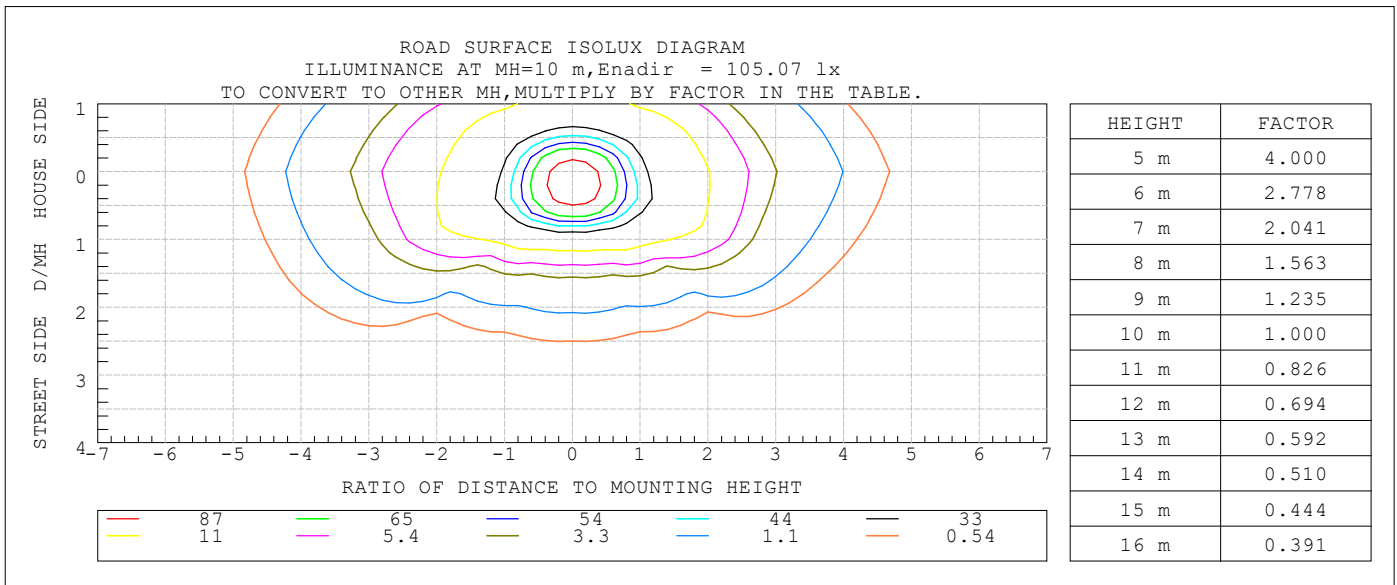
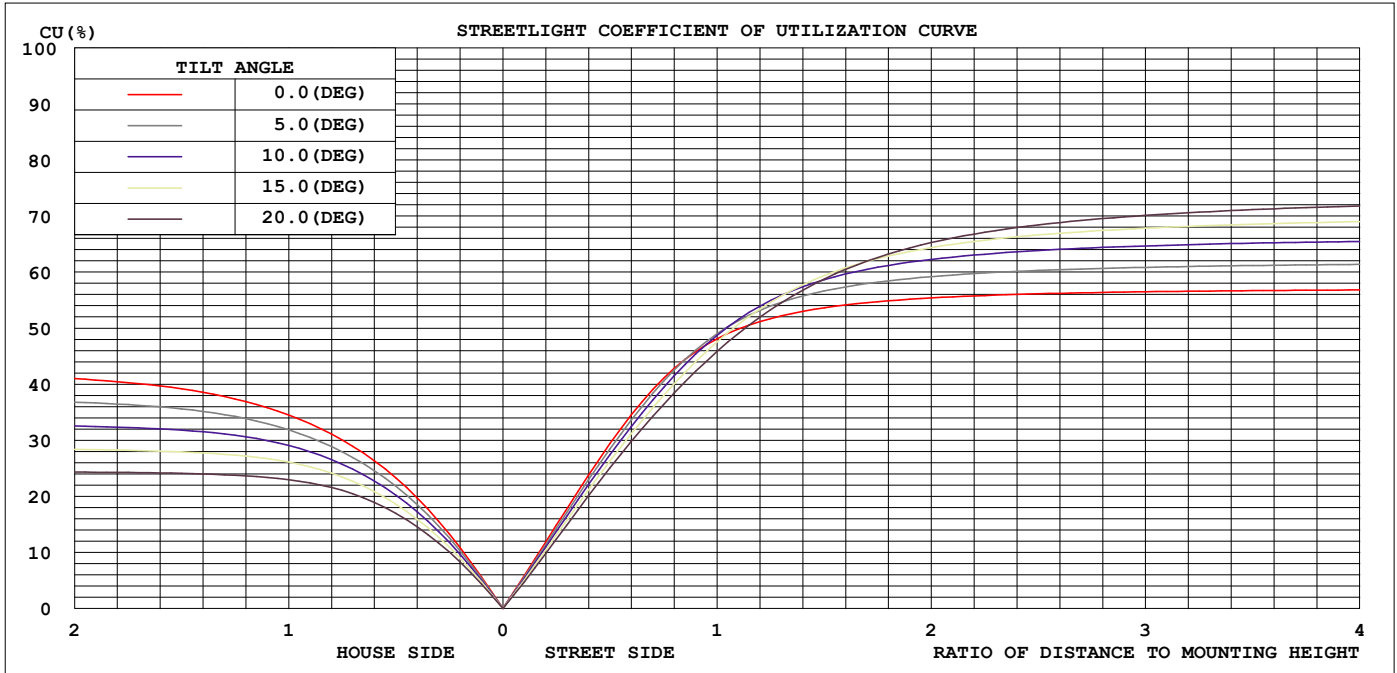
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:124.7cd/klm  
Max.At90:0cd/klm  
Max.80-90:124.7cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		14569
90%		13112
80%		11655
70%		10198
60%		8741
50%		7284
40%		5827
30%		4371
20%		2914
10%		1457
5%		728

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

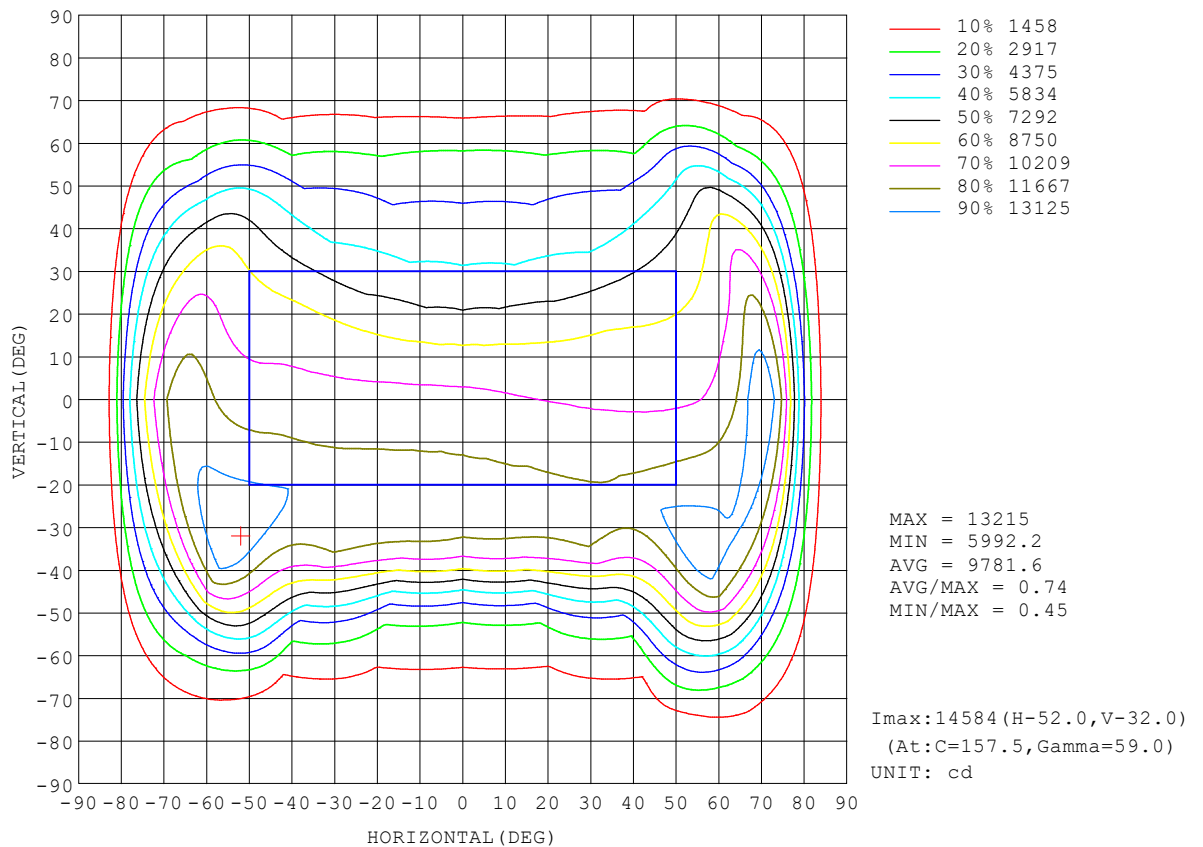
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1038	1109	1143	1127	1062	970.5	918.0	955.9	0- 10	999.0	999.0	2.77,2.77
20	1019	1158	1215	1188	1067	866.2	743.5	851.4	10- 20	2908	3907	10.8,10.8
30	1006	1217	1206	1264	1072	761.4	599.0	738.8	20- 30	4620	8526	23.7,23.6
40	997.0	1234	854.2	1280	1086	653.2	489.4	626.6	30- 40	5955	14481	40.2,40.1
50	1000	939.4	351.3	984.3	1092	549.8	405.5	521.9	40- 50	6374	20855	57.9,57.8
60	1072	427.7	171.1	473.4	1208	414.7	254.7	413.9	50- 60	6099	26955	74.9,74.7
70	1436	170.7	87.37	169.5	1141	186.3	95.86	203.2	60- 70	5497	32452	90.1,89.9
80	450.2	54.01	34.16	41.35	397.6	48.01	37.76	61.62	70- 80	3106	35557	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	452.2	36009	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	36009	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	36009	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	36009	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	36009	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	36009	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	36009	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	36009	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	36009	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	36009	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

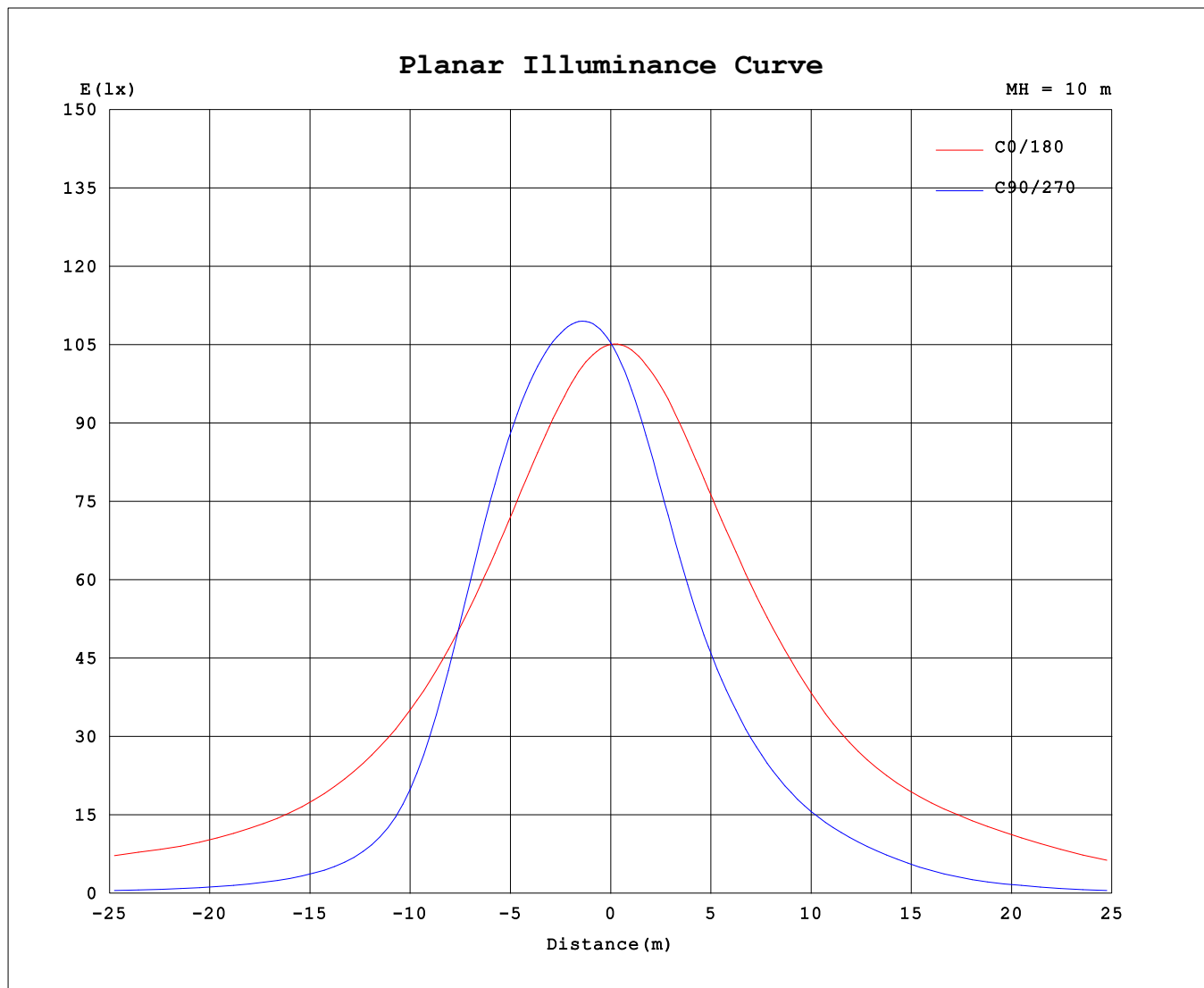
Test:U:118.59V I:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



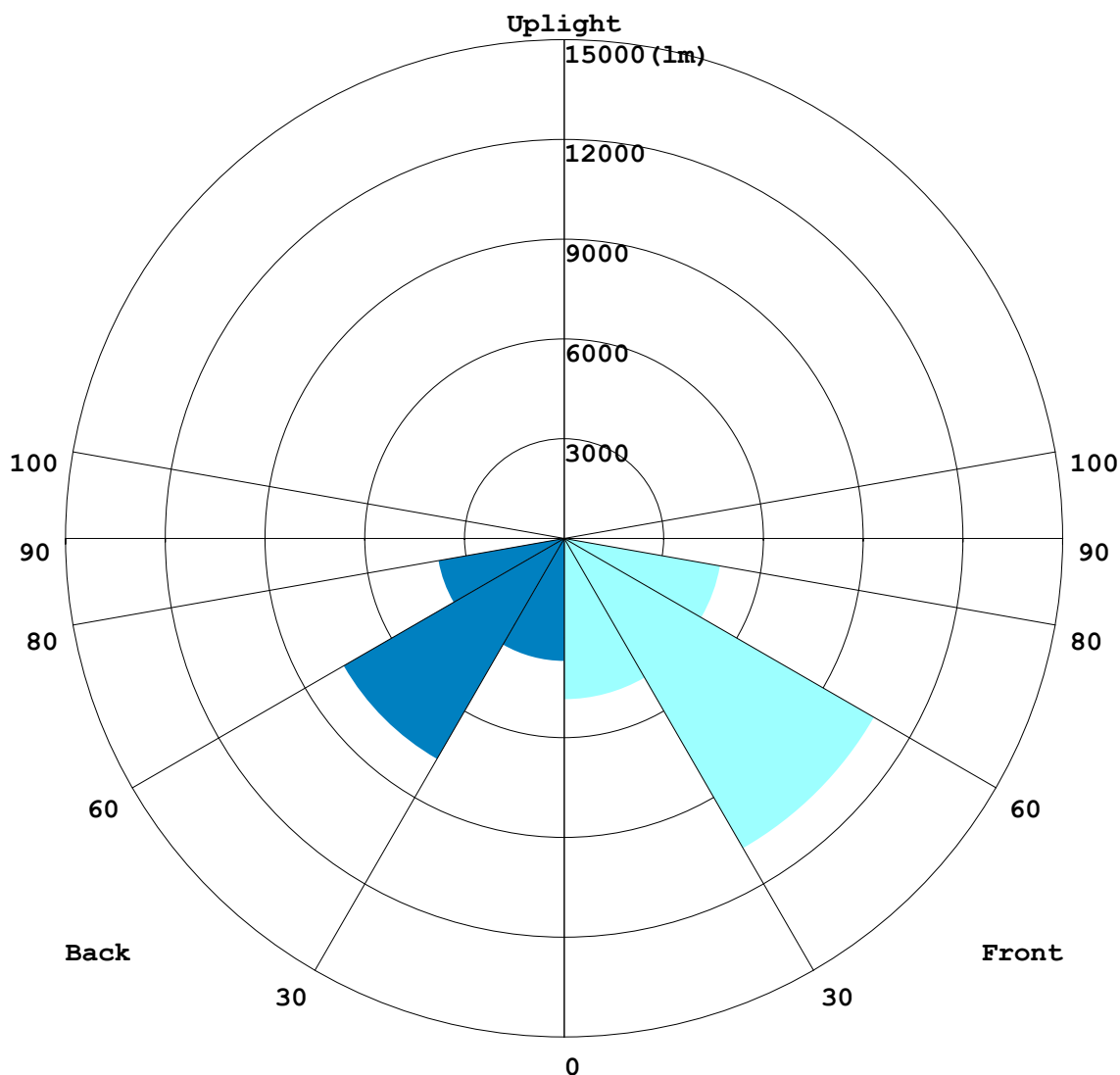
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.4 °C  
 Operators: DAMIN  
 Test Date: 2024-12-29

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:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 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:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 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)	4835.5	13.4
FM - Front-Medium(30-60)	10766	29.9
FH - Front-High(60-80)	4762.9	13.2
FVH - Front-Very High(80-90)	260.73	0.7
Total Forward Light	20625	57.3

BL - Back-Low(0-30)	3690.9	10.2
BM - Back-Medium(30-60)	7662.6	21.3
BH - Back-High(60-80)	3839.6	10.7
BVH - Back-Very High(80-90)	191.45	0.5
Total Back Light	15385	42.7

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	15385	0	15385
Street Side	20625	0	20625

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

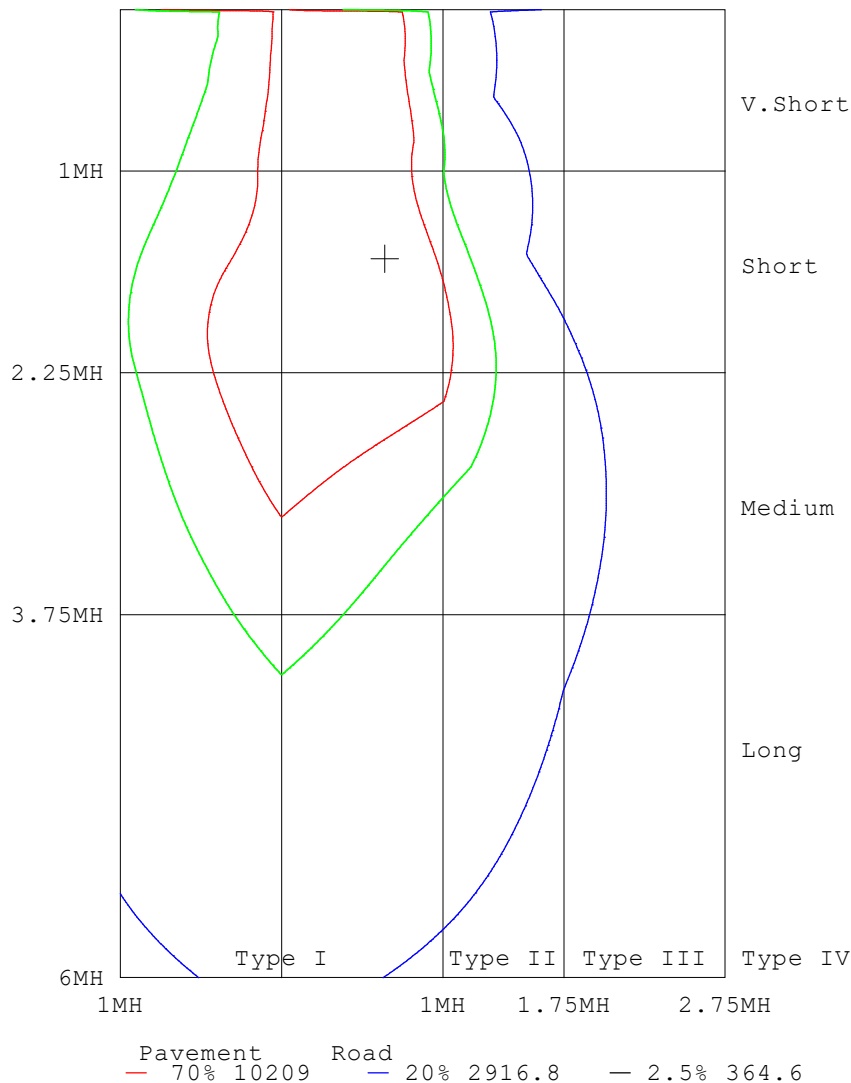
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4295]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.59V I:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 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℃  
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:

Test:U:118.59V I:2.4717A P:293.04W PF:0.9997 Freq:60.01Hz Lamp Flux:36094x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamllite lighting	SUR.:	Shielding Angle:

UNIT: X10cd

$\gamma$	C (DEG)	C (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	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053	1053							
5	1046	1065	1083	1096	1102	1101	1093	1079	1059	1037	1015	1000	993	995	1007	1025							
10	1038	1074	1109	1132	1143	1141	1127	1100	1062	1017	971	933	918	927	956	996							
15	1028	1082	1133	1167	1181	1179	1156	1118	1067	996	919	855	832	852	905	969							
20	1019	1088	1158	1199	1215	1213	1188	1134	1067	979	866	776	744	772	851	944							
25	1013	1098	1186	1222	1232	1243	1227	1153	1069	963	814	700	664	695	796	920							
30	1006	1110	1217	1220	1206	1244	1264	1173	1072	951	761	634	599	625	739	899							
35	1001	1132	1241	1157	1088	1174	1292	1203	1078	941	707	573	541	565	682	881							
40	997	1167	1234	983	854	991	1280	1247	1086	931	653	516	489	511	627	863							
45	996	1218	1147	705	563	710	1183	1309	1088	915	601	464	444	461	572	843							
50	1000	1289	939	435	351	444	984	1371	1092	892	550	417	405	418	522	827							
55	1017	1368	665	280	237	288	721	1433	1125	883	493	359	348	365	475	818							
60	1072	1420	428	193	171	200	473	1454	1208	886	415	271	255	275	414	823							
65	1204	1380	268	140	128	141	291	1321	1269	816	302	182	164	185	309	855							
70	1436	1156	171	102	87.4	100	169	935	1141	591	186	114	95.9	117	203	804							
75	1142	725	107	65.7	55.6	62.4	92.7	453	843	323	104	68.7	62.3	71.6	127	443							
80	450	298	54.0	36.6	34.2	34.0	41.3	192	398	143	48.0	37.2	37.8	40.4	61.6	159							
85	78.3	85.1	17.7	14.7	14.9	12.2	12.7	39.2	57.9	28.8	10.7	11.1	12.8	14.2	14.5	45.3							
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							

```

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:

```