

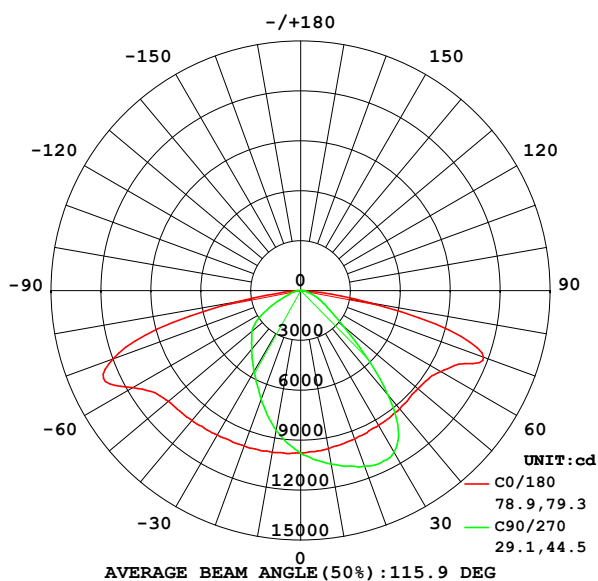
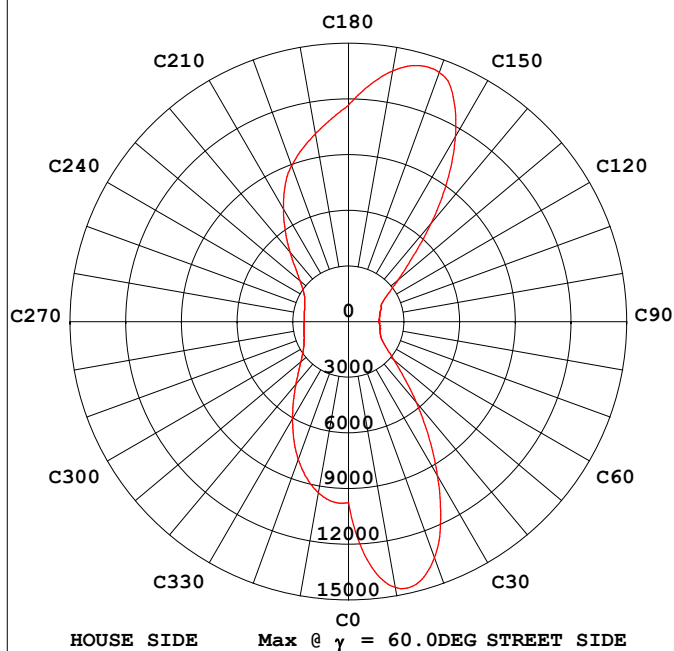
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz

Lamp Flux:33961.3x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 151.06 lm/W
MODEL	AL-300WS-3CS-T2	I _{max} (cd)	14047	η street_up (%)	0.0	
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	56.9	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33882	η house_up (%)	0.0	
NOMINAL FLUX (lm)	33961.3	MAXIMUM @ (C, γ)	158,60.0	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	25.635	

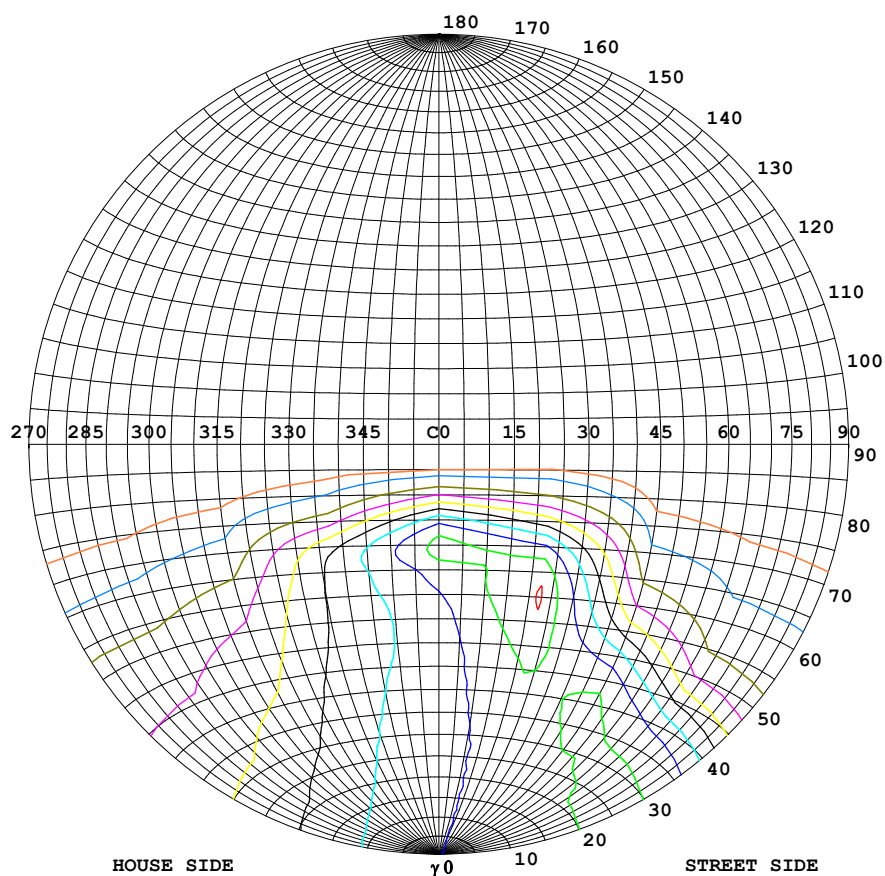
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



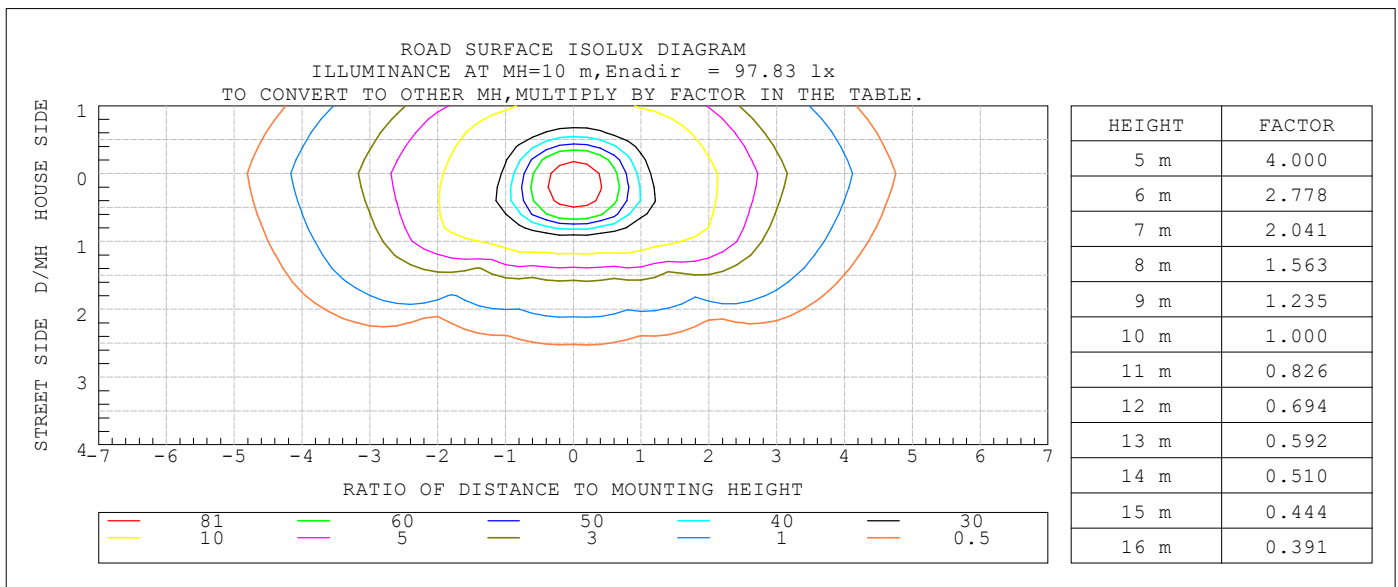
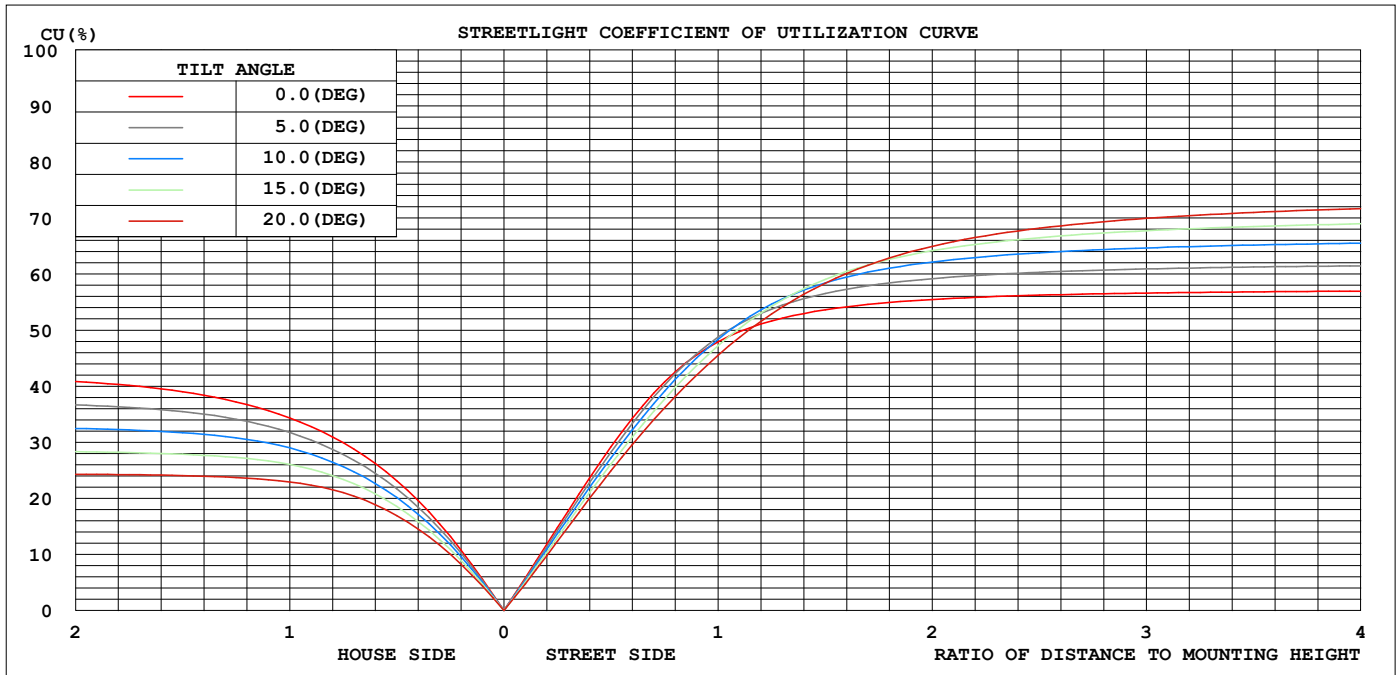
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:124.2cd/klm
Max.At90:0cd/klm
Max.80-90:124.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		14047
90%		12642
80%		11237
70%		9833
60%		8428
50%		7023
40%		5619
30%		4214
20%		2809
10%		1405
5%		702

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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

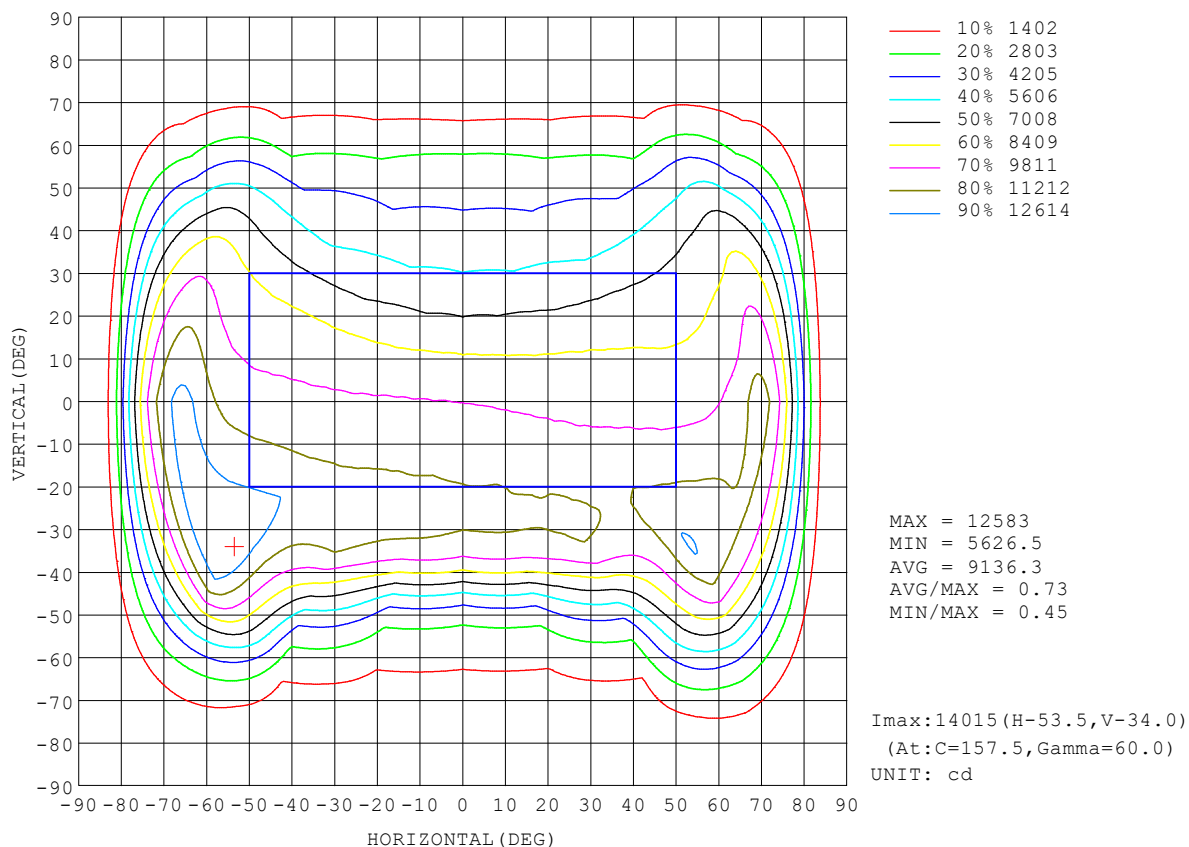
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	964.7	1031	1060	1046	986.8	904.1	853.2	888.7	0- 10	927.5	927.5	2.74,2.73
20	950.0	1077	1122	1106	993.5	811.0	696.0	789.8	10- 20	2705	3633	10.7,10.7
30	935.7	1129	1122	1180	1004	720.6	562.1	687.3	20- 30	4310	7943	23.4,23.4
40	927.6	1152	816.6	1204	1018	620.2	460.5	584.8	30- 40	5581	13524	39.9,39.8
50	919.4	893.4	340.8	952.1	1038	525.7	382.7	487.8	40- 50	6012	19537	57.7,57.5
60	974.1	421.2	164.6	481.6	1167	401.3	239.5	381.2	50- 60	5767	25304	74.7,74.5
70	1170	164.0	83.86	177.9	1200	186.2	90.51	182.3	60- 70	5205	30508	90,89.8
80	421.8	48.53	32.76	45.69	378.9	50.74	35.56	52.94	70- 80	2937	33445	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	436.7	33882	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	33882	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	33882	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	33882	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	33882	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	33882	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	33882	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	33882	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	33882	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	33882	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

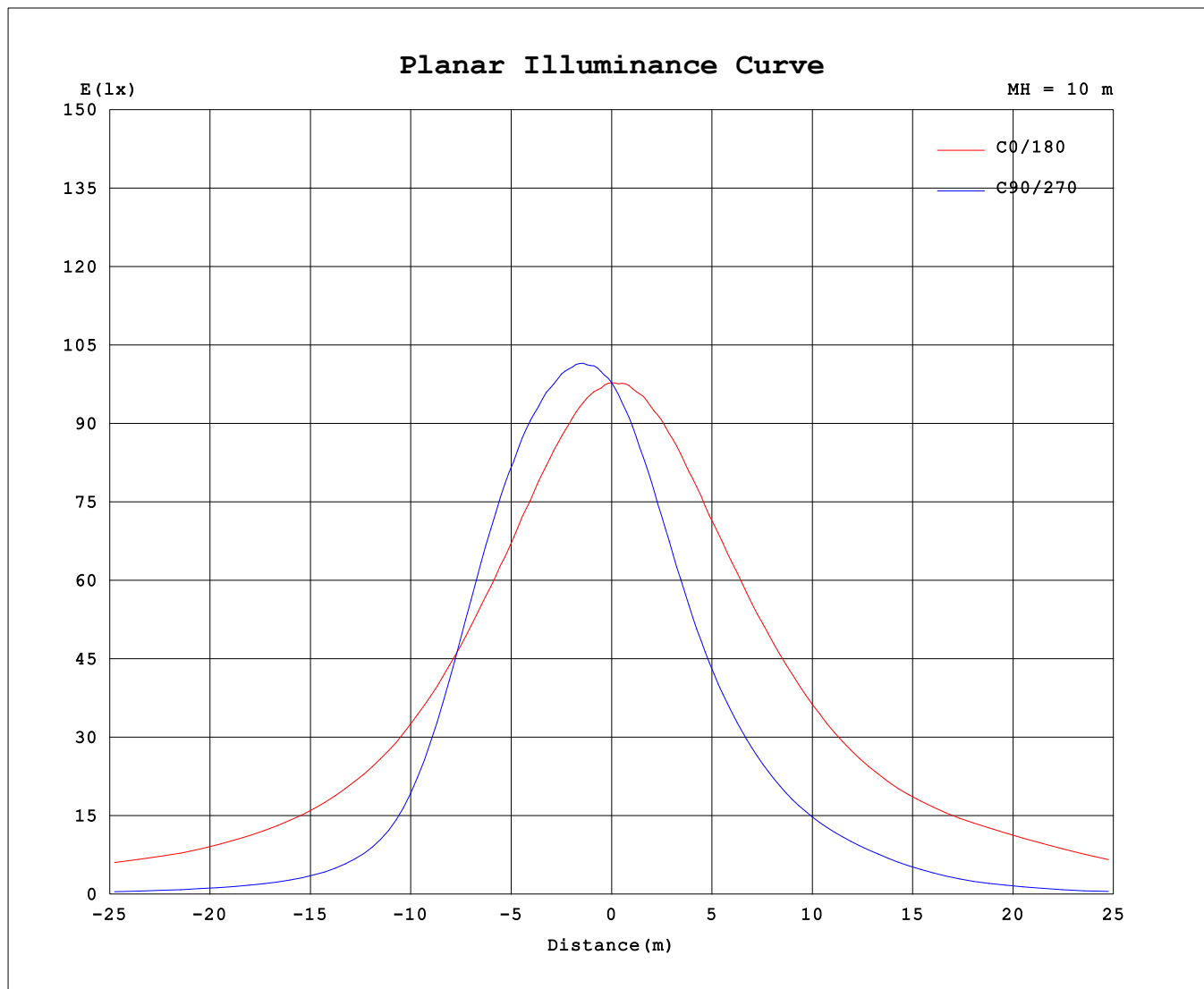
Test:U:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 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



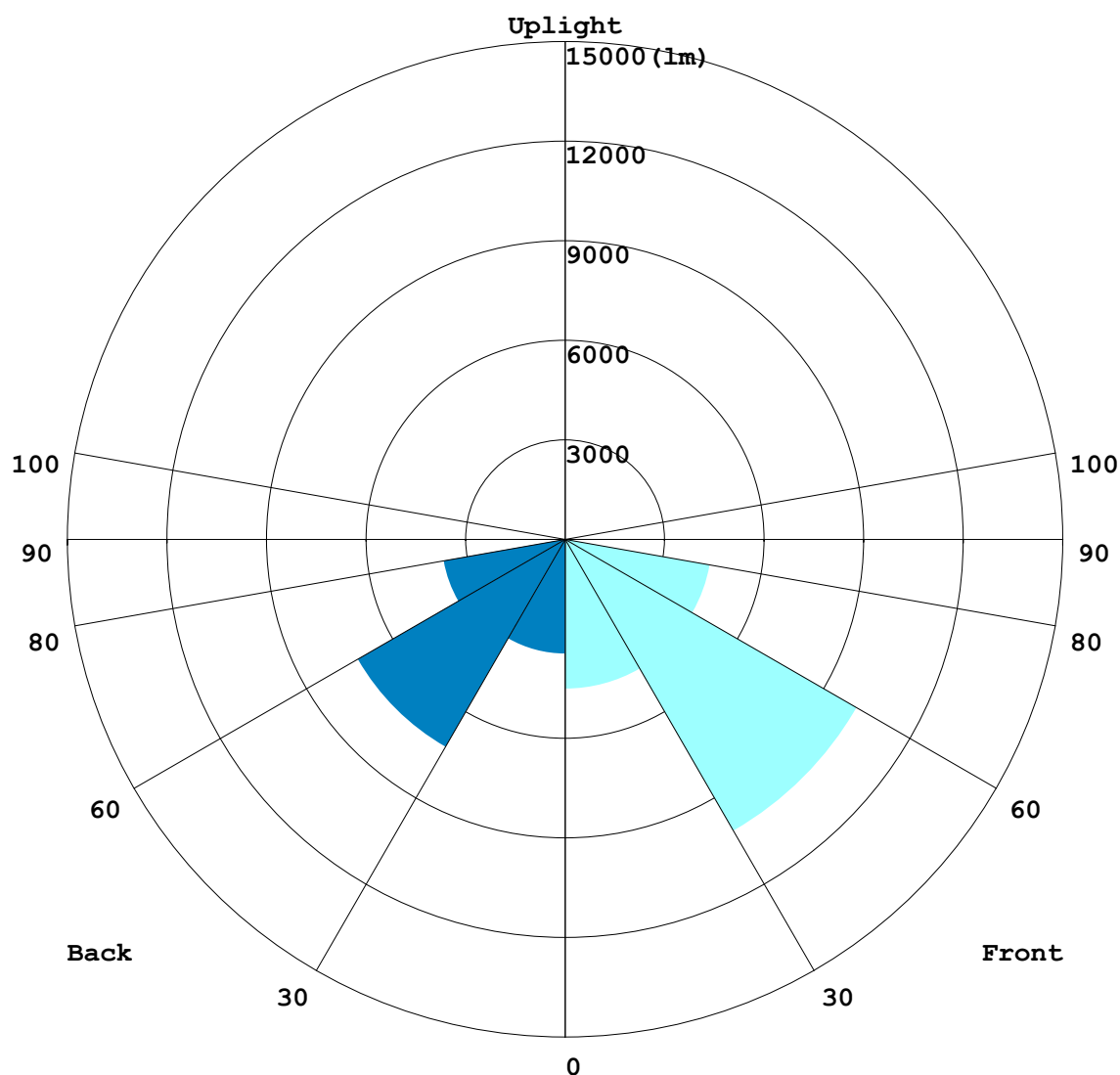
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 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: 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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 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)	4496.7	13.3
FM - Front-Medium(30-60)	10141	29.9
FH - Front-High(60-80)	4423	13.1
FVH - Front-Very High(80-90)	251.49	0.7
Total Forward Light	19312	57.0

BL - Back-Low(0-30)	3446.3	10.2
BM - Back-Medium(30-60)	7219.6	21.3
BH - Back-High(60-80)	3718.3	11.0
BVH - Back-Very High(80-90)	185.17	0.5
Total Back Light	14569	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	14569	0	14569
Street Side	19312	0	19312

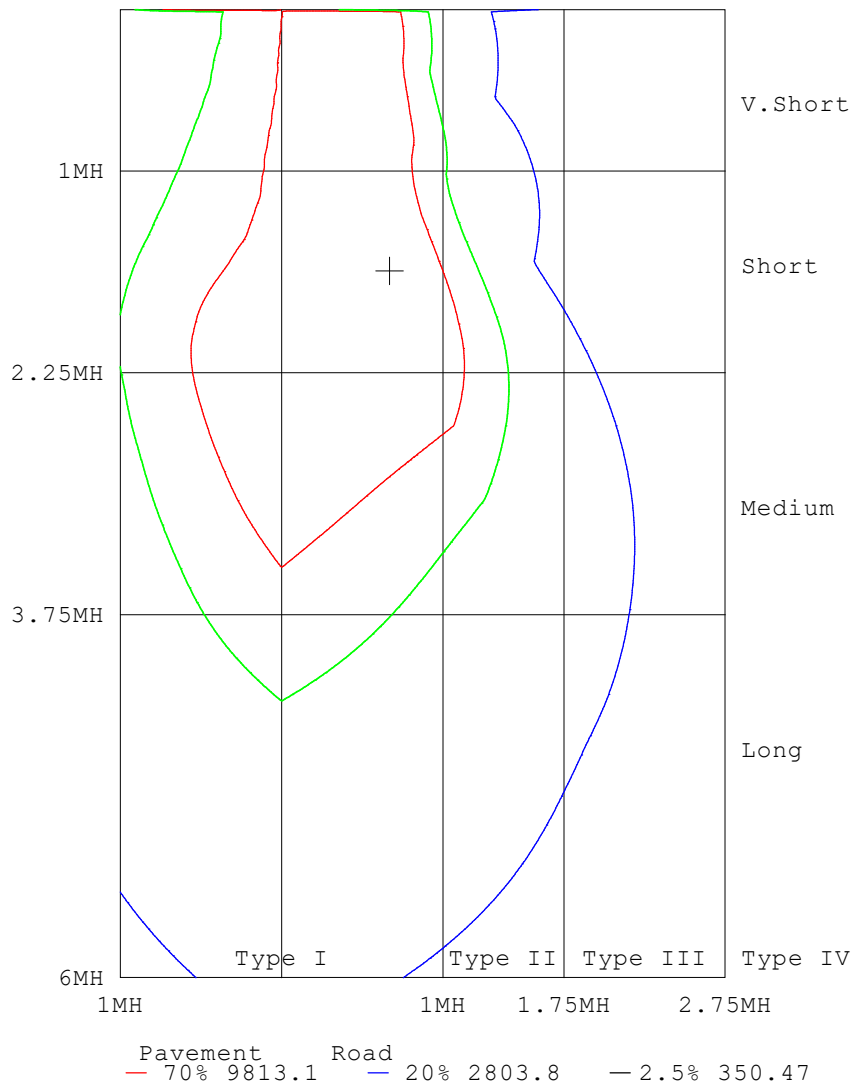
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 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: 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:118.88V I:1.8872A P:224.29W PF:0.9997 Freq:60.01Hz Lamp Flux:33961.3x1 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	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977	977			
5	971	990	1004	1018	1021	1020	1013	1002	983	962	943	931	921	924	935	953			
10	965	997	1031	1053	1060	1060	1046	1023	987	945	904	870	853	862	889	927			
15	956	1005	1051	1082	1093	1096	1076	1042	991	926	860	801	776	794	841	900			
20	950	1013	1077	1115	1122	1129	1106	1059	993	912	811	730	696	722	790	876			
25	943	1024	1100	1134	1142	1157	1143	1080	997	899	768	662	623	651	742	856			
30	936	1036	1129	1135	1122	1162	1180	1101	1004	892	721	599	562	587	687	834			
35	933	1057	1154	1083	1024	1105	1207	1131	1010	882	672	542	508	532	636	816			
40	928	1088	1152	932	817	943	1204	1174	1018	877	620	489	460	482	585	800			
45	921	1131	1076	683	546	690	1125	1235	1026	863	573	440	418	434	535	780			
50	919	1184	893	424	341	433	952	1302	1038	848	526	397	383	395	488	759			
55	932	1243	645	273	227	282	717	1371	1070	846	475	341	327	344	440	747			
60	974	1278	421	188	165	194	482	1405	1167	859	401	257	239	260	381	747			
65	1047	1211	265	135	123	137	300	1333	1295	828	294	174	154	174	284	744			
70	1170	1000	164	97.2	83.9	97.5	178	1012	1200	629	186	110	90.5	109	182	662			
75	926	628	98.4	62.1	53.3	61.0	100	532	892	342	109	66.6	58.6	66.0	110	368			
80	422	284	48.5	34.3	32.8	33.7	45.7	214	379	137	50.7	36.7	35.6	36.8	52.9	146			
85	67.0	74.5	15.9	13.1	14.3	12.8	13.9	48.3	63.2	30.5	11.3	11.6	12.0	12.2	12.4	38.6			
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: 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: