

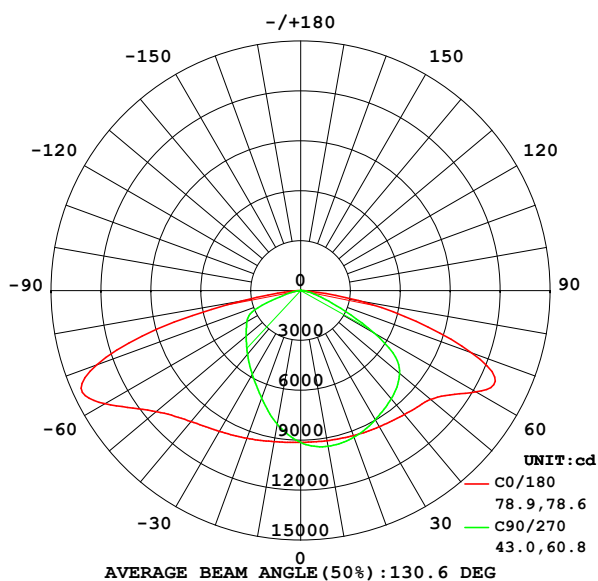
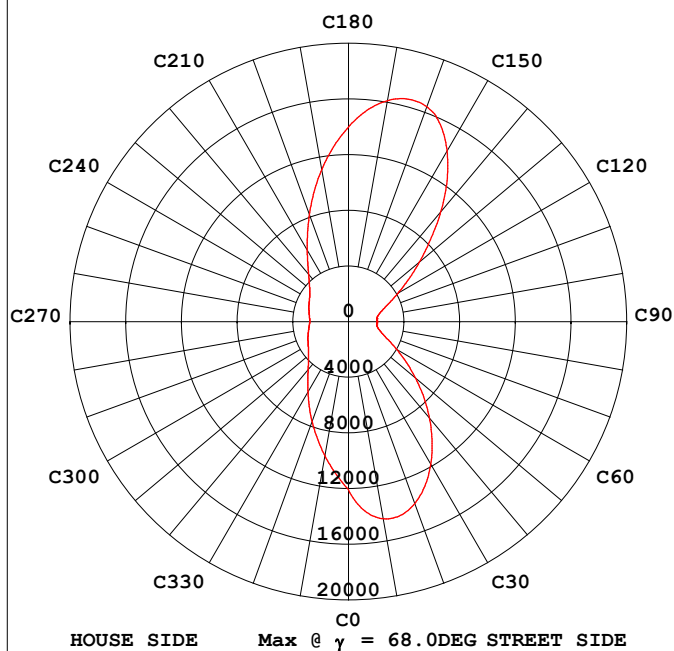
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz

Lamp Flux:38370x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 130.16 lm/W
MODEL	AL-300WS-3CS-T3	Imax (cd)	16159	η street_up (%)	0.0	
NOMINAL POWER (W)	300	LOR (%)	99.8	η street_down (%)	58.4	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	38282	η house_up (%)	0.0	
NOMINAL FLUX (lm)	38370	MAXIMUM @ (C, γ)	158,68.0	η house_down (%)	41.3	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.450	

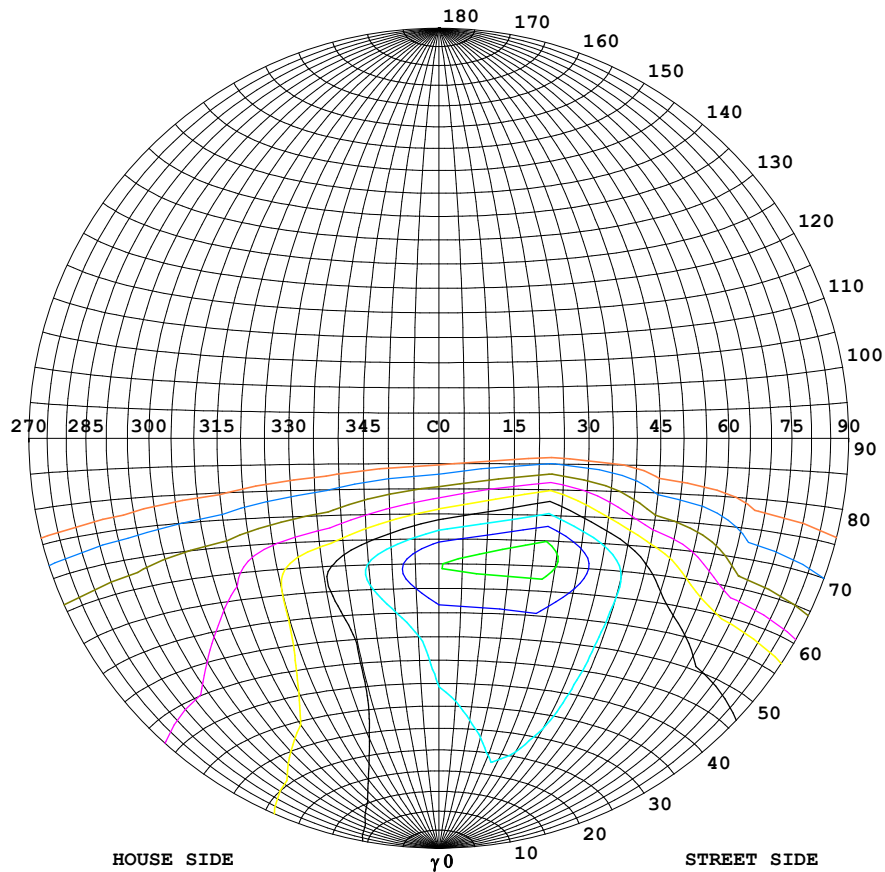
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.2°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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



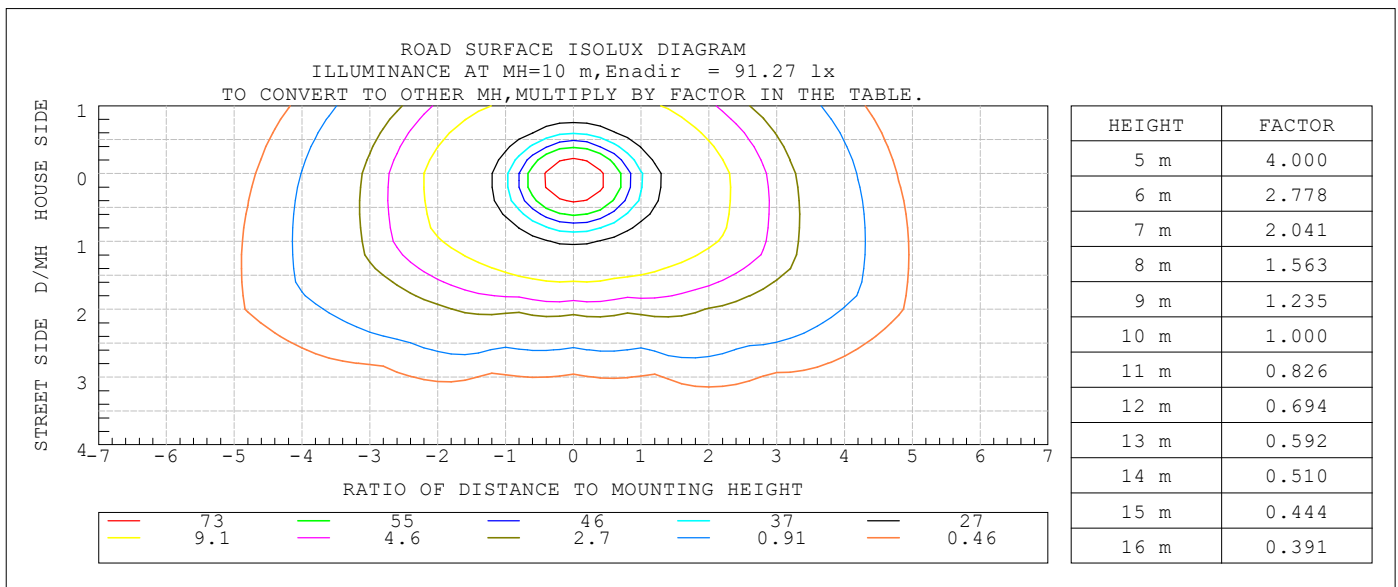
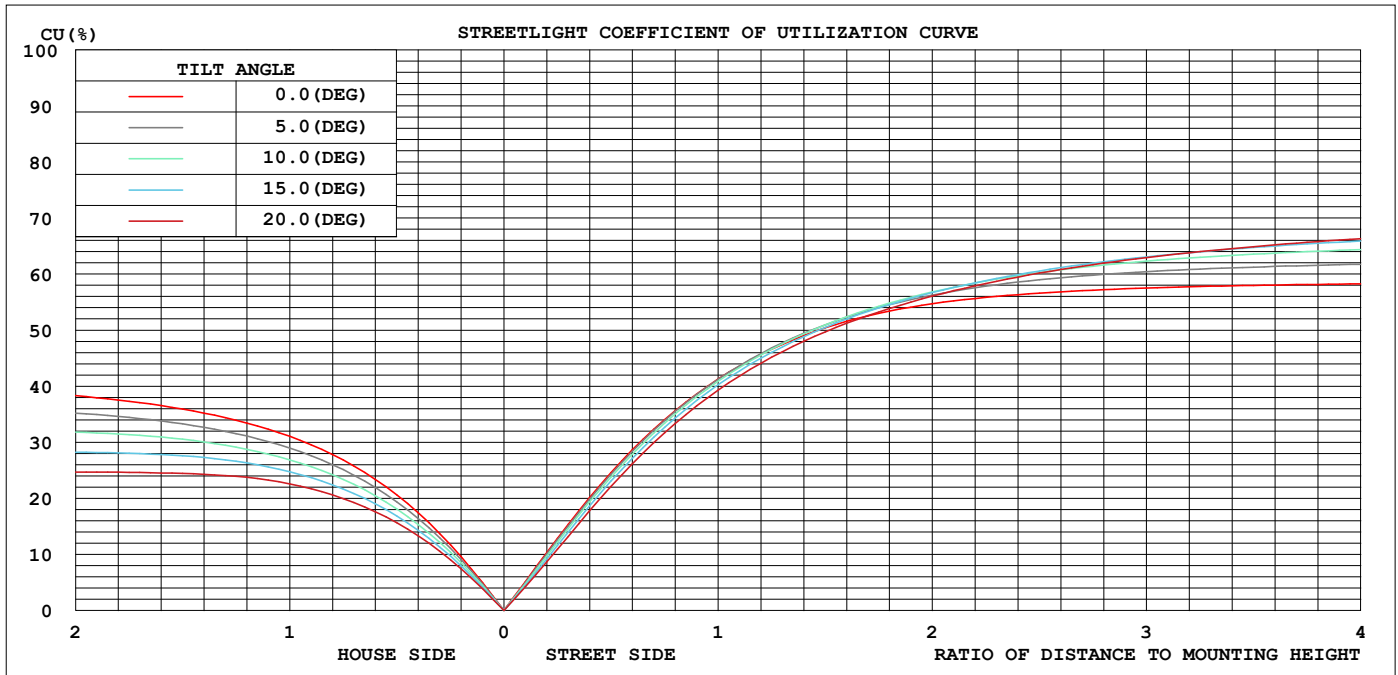
Classification:

IES:Type III - Medium
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:164.6cd/klm
Max.At90:0cd/klm
Max.80-90:164.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16159
90%	14544
80%	12928
70%	11312
60%	9696
50%	8080
40%	6464
30%	4848
20%	3232
10%	1616
5%	808

C Range: 0 - 360DEG
C Interval: 22.5DEG
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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: 25.2°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:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

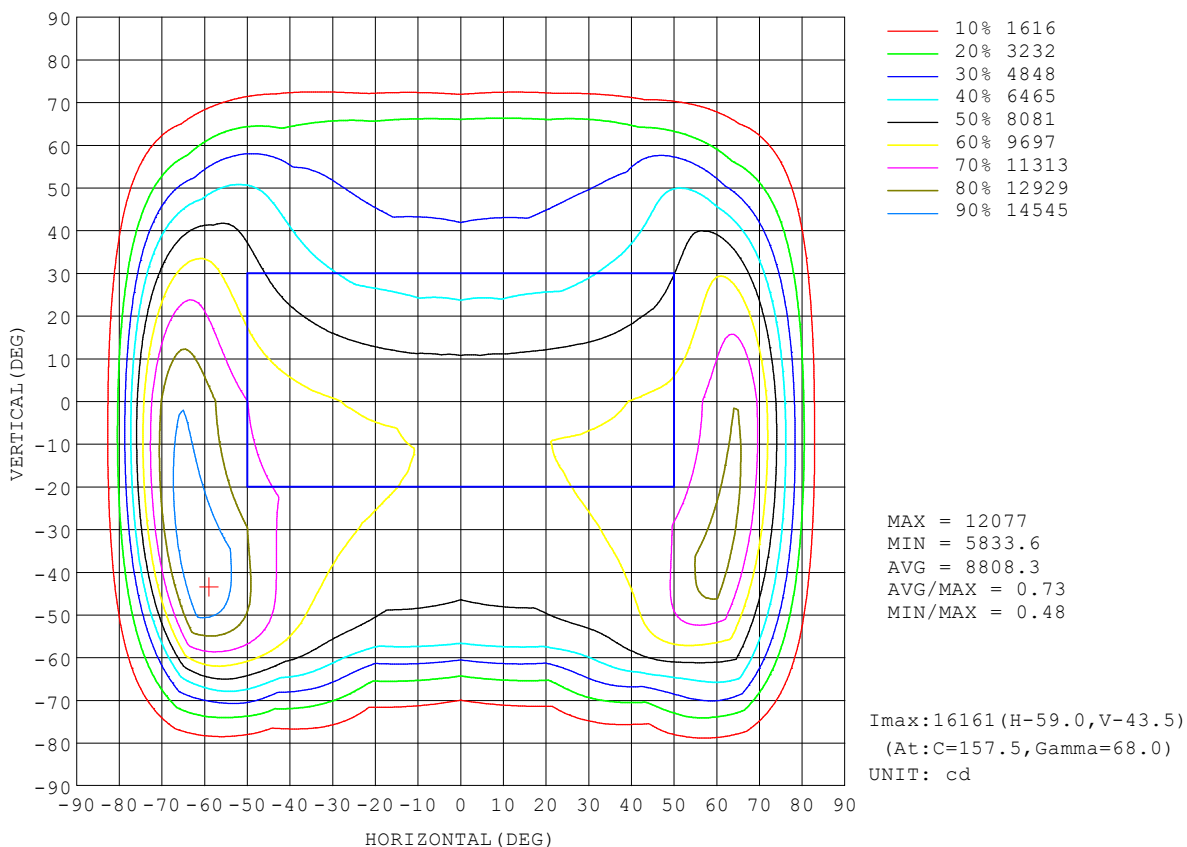
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	916.5	945.0	950.6	956.3	922.3	852.1	816.2	850.6	0- 10	865.8	865.8	2.26,2.26
20	928.5	953.7	938.1	976.0	945.3	770.2	687.8	768.3	10- 20	2511	3377	8.82,8.8
30	945.8	950.9	896.6	984.0	978.0	686.9	583.2	678.7	20- 30	3952	7328	19.1,19.1
40	972.0	943.6	848.9	982.3	1028	623.8	498.9	607.7	30- 40	5179	12507	32.7,32.6
50	1018	931.1	776.9	983.8	1133	570.6	427.7	553.6	40- 50	6237	18744	49,48.9
60	1219	898.2	509.7	985.4	1361	519.3	374.0	500.3	50- 60	7178	25922	67.7,67.6
70	1092	675.4	161.2	735.5	1303	348.7	218.6	356.8	60- 70	7380	33302	87,86.8
80	353.5	148.9	48.36	177.9	348.9	88.40	43.96	74.02	70- 80	4295	37597	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	685.1	38282	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	38282	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	38282	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	38282	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	38282	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	38282	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	38282	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	38282	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	38282	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	38282	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.2℃
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

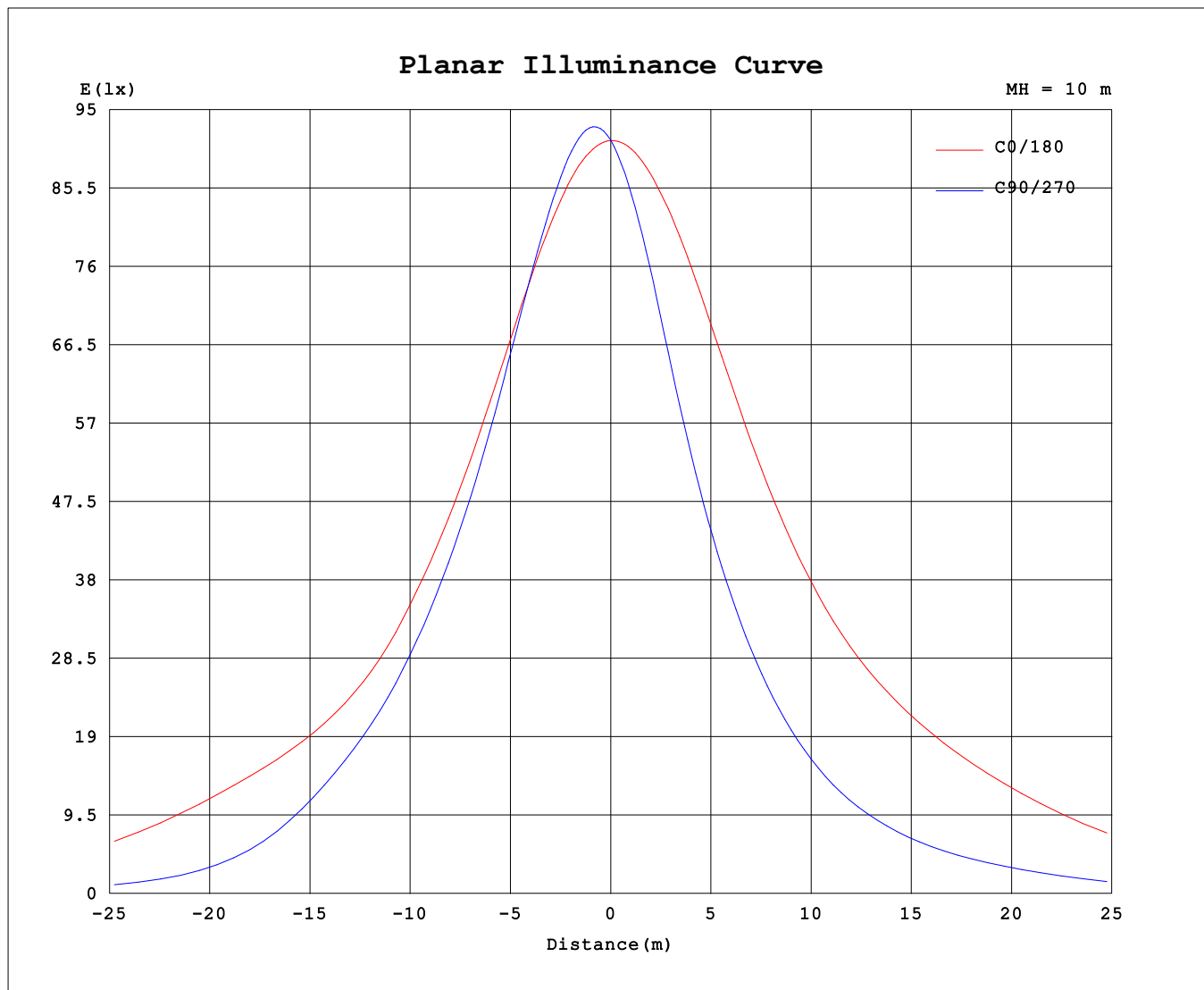
Test:U:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.2°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



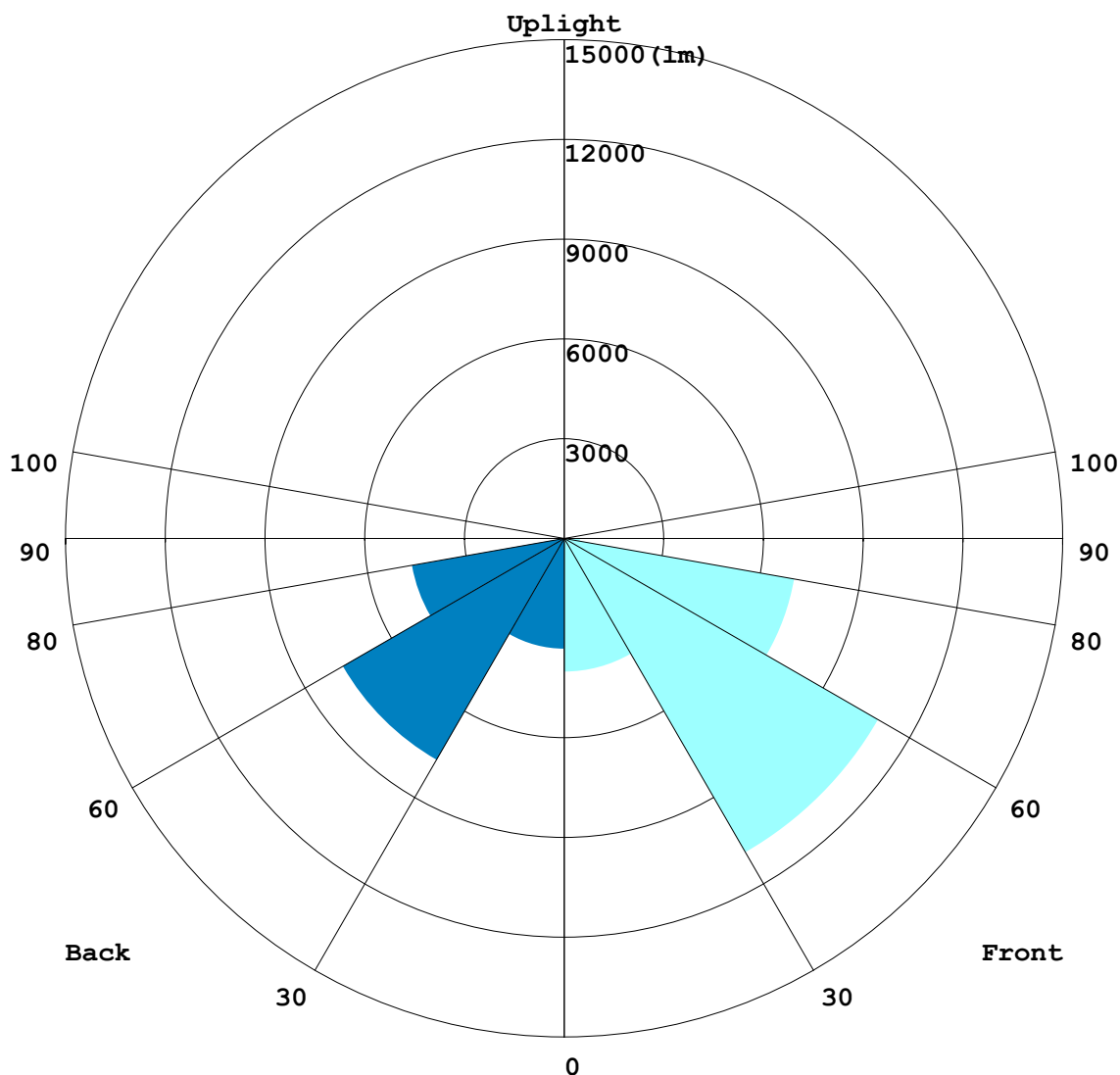
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators:DAMIN
Test Date:2024-12-29

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:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 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: 25.2℃
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:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 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)	4005.1	10.5
FM - Front-Medium(30-60)	10908	28.5
FH - Front-High(60-80)	7027.2	18.4
FVH - Front-Very High(80-90)	479.52	1.3
Total Forward Light	22420	58.6

BL - Back-Low(0-30)	3323.4	8.7
BM - Back-Medium(30-60)	7685.9	20.1
BH - Back-High(60-80)	4647.4	12.1
BVH - Back-Very High(80-90)	205.56	0.5
Total Back Light	15862	41.4

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	15862	0	15862
Street Side	22420	0	22420

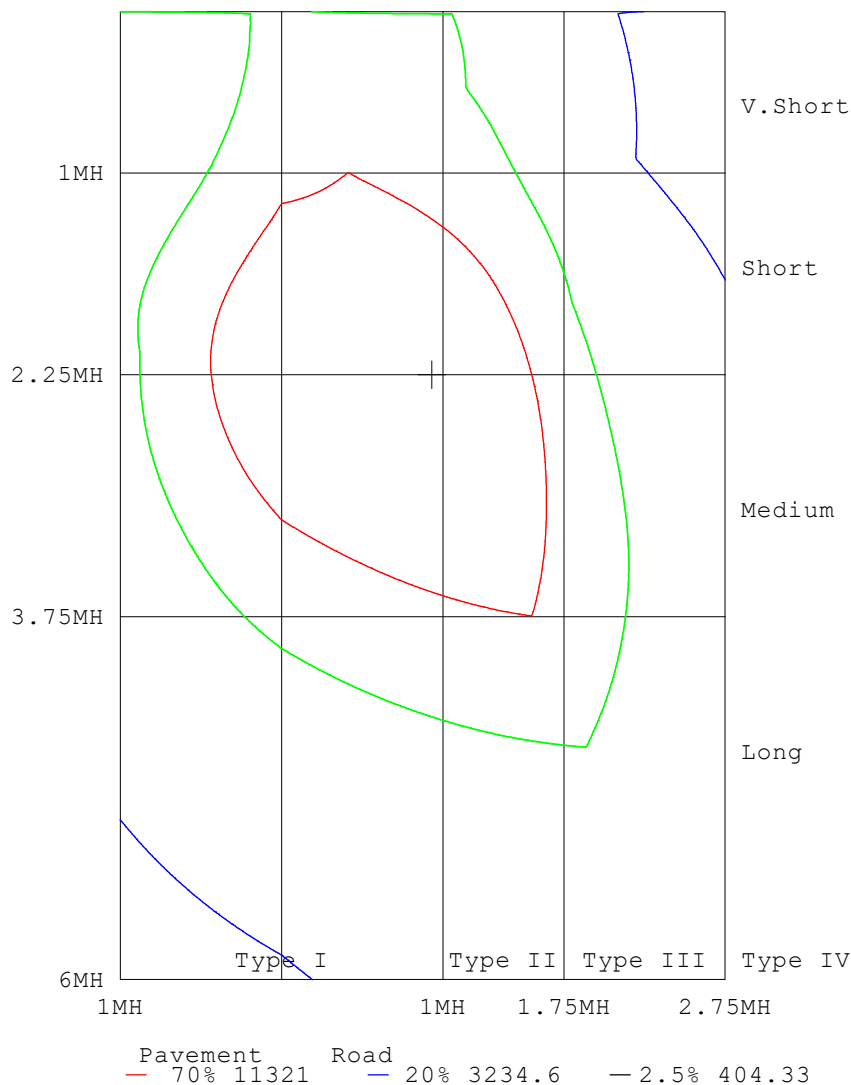
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.2℃
Operators:DAMIN
Test Date:2024-12-29

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:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 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: 25.2°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:118.56V I:2.4816A P:294.13W PF:0.9997 Freq:60.01Hz Lamp Flux:38370x1 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	913	913	913	913	913	913	913	913	913	913	913	913	913	913	913	913			
5	913	925	932	937	940	940	937	929	916	901	886	875	870	874	884	899			
10	916	937	945	948	951	956	956	945	922	889	852	827	816	826	851	885			
15	921	949	952	949	949	960	969	964	932	875	813	769	752	769	812	869			
20	928	962	954	942	938	955	976	984	945	862	770	709	688	708	768	853			
25	937	976	953	929	921	945	982	1003	961	849	727	655	632	654	722	835			
30	946	988	951	910	897	926	984	1022	978	837	687	607	583	605	679	818			
35	956	1003	949	890	873	905	983	1043	998	828	654	565	540	562	641	802			
40	972	1021	944	871	849	882	982	1071	1028	826	624	525	499	523	608	792			
45	991	1044	938	848	819	857	982	1109	1070	829	595	488	461	486	579	788			
50	1018	1070	931	813	777	819	984	1166	1133	840	571	452	428	452	554	786			
55	1095	1124	920	758	696	760	986	1267	1232	862	548	421	399	421	526	803			
60	1219	1228	898	626	510	623	985	1417	1361	878	519	392	374	392	500	830			
65	1291	1353	850	403	298	409	931	1578	1449	843	462	353	338	356	459	815			
70	1092	1289	675	229	161	234	736	1580	1303	674	349	259	219	268	357	618			
75	720	992	372	120	90.6	124	436	1253	894	404	213	122	93.8	122	189	355			
80	354	631	149	61.5	48.4	62.3	178	615	349	157	88.4	51.1	44.0	50.5	74.0	156			
85	67.2	166	36.5	22.2	19.3	24.2	37.3	147	70.0	35.1	17.7	14.6	13.1	13.3	16.1	32.3			
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			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
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Operators:DAMIN
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
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