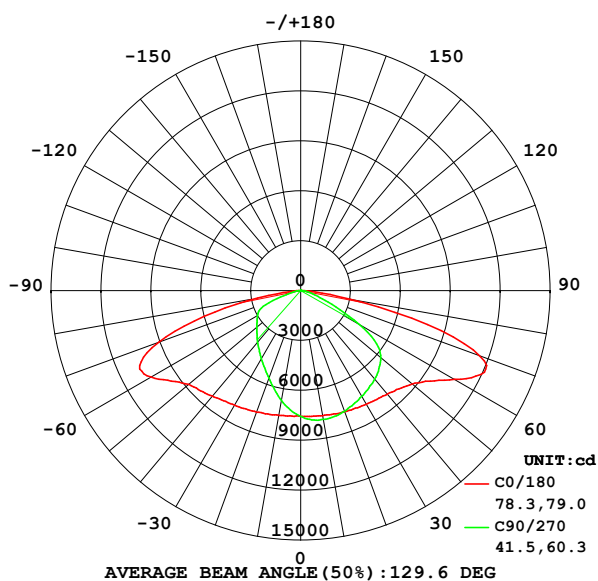
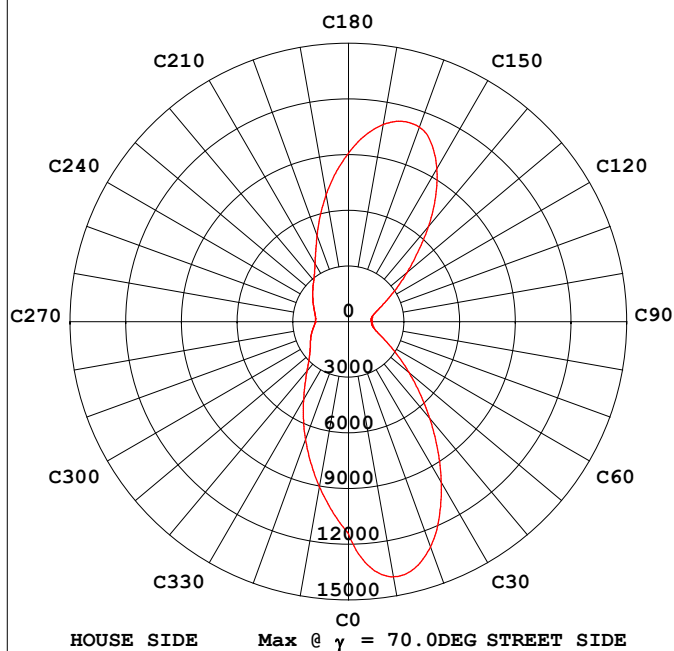


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.56 lm/W			
MODEL	AL-300WS-3CS-T3	Imax(cd)	12322	η street_up(%)	0.0
NOMINAL POWER(W)	240	LOR(%)	99.8	η street_down(%)	59.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	31074	η house_up(%)	0.0
NOMINAL FLUX(lm)	31144.8	MAXIMUM @ (C, γ)	23,70.0	η house_down(%)	40.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.8	SLI	25.173

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz

Lamp Flux:31144.8x1 lm

NAME:

TYPE:

WEIGHT:

SPEC.:

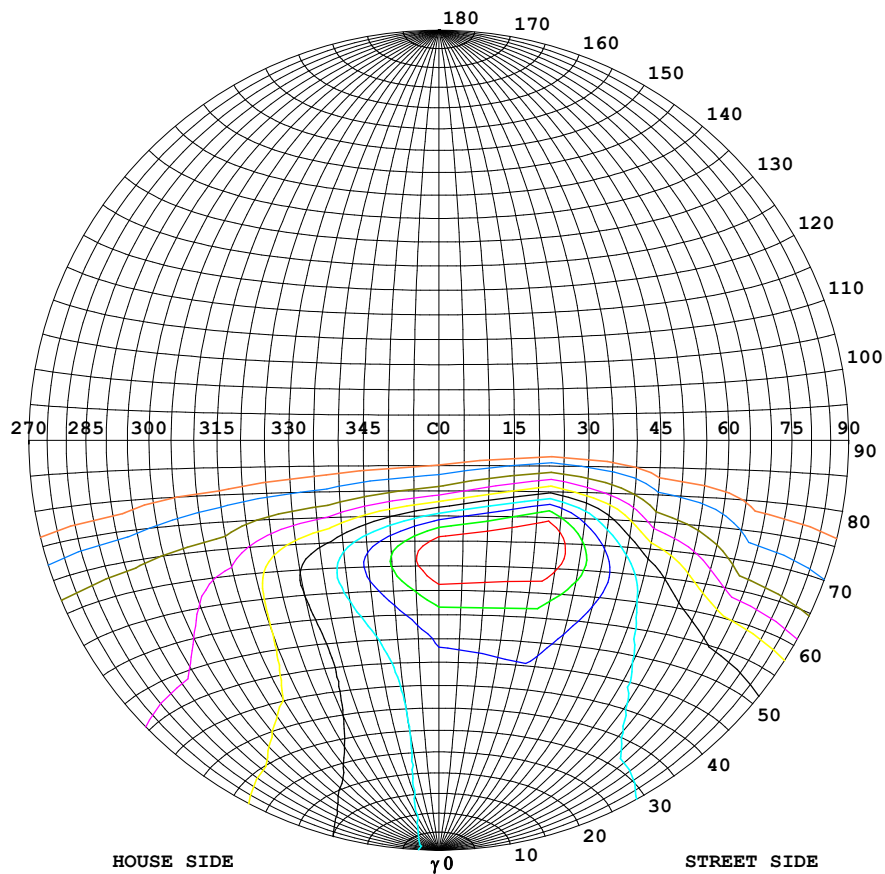
DIM.:

SERIAL No.:

MFR.: Tamlite lighting

SUR.:

Shielding Angle:



Classification:

IES:Type III - Medium

CIE:Average - Long

IES:Semi cut-off

CIE:Non-cut-off

Max.At80:191.5cd/klm

Max.At90:0cd/klm

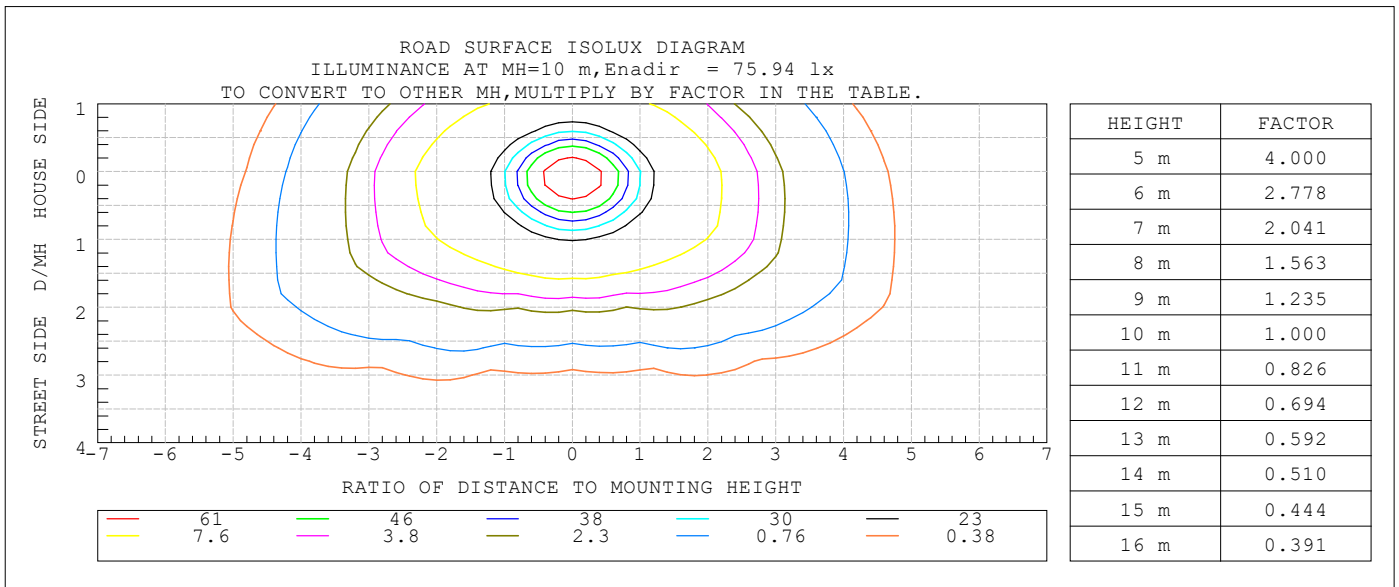
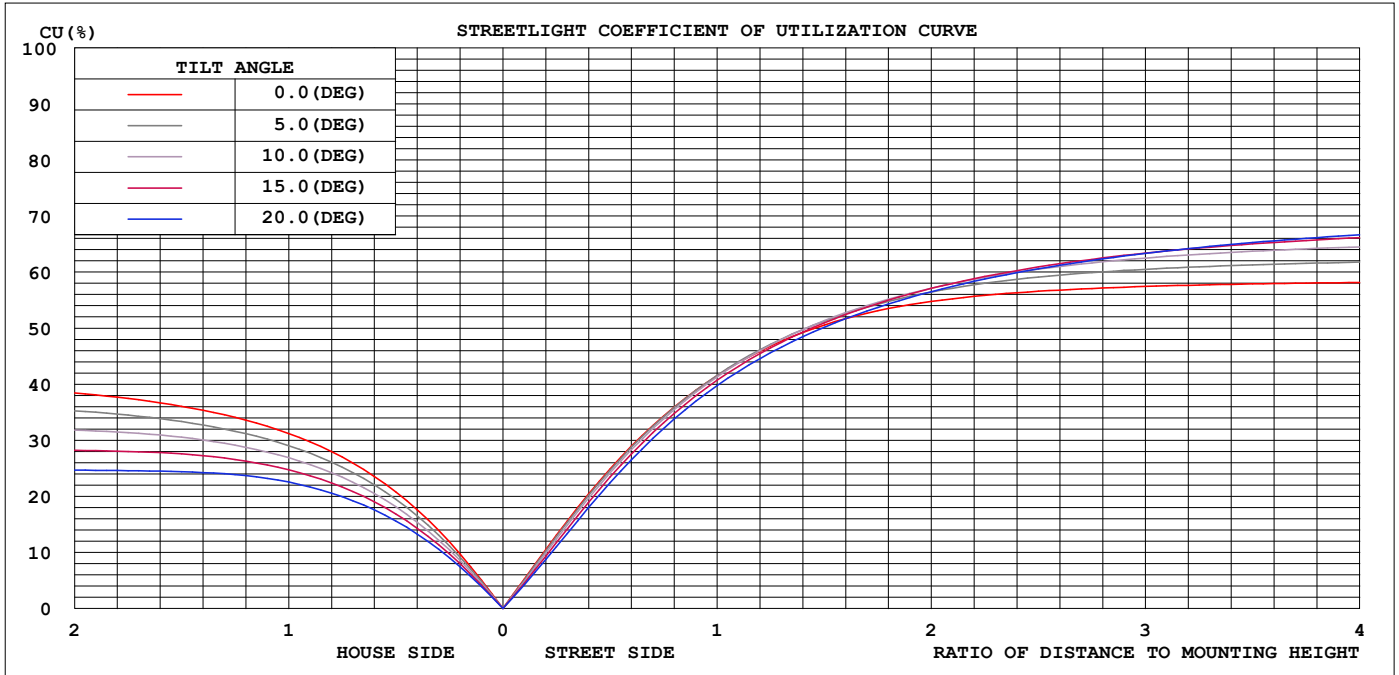
Max.80-90:191.5cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		12322
— 90%		11090
— 80%		9857
— 70%		8625
— 60%		7393
— 50%		6161
— 40%		4929
— 30%		3697
— 20%		2464
— 10%		1232
— 5%		616

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
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: MEDIUM
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:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

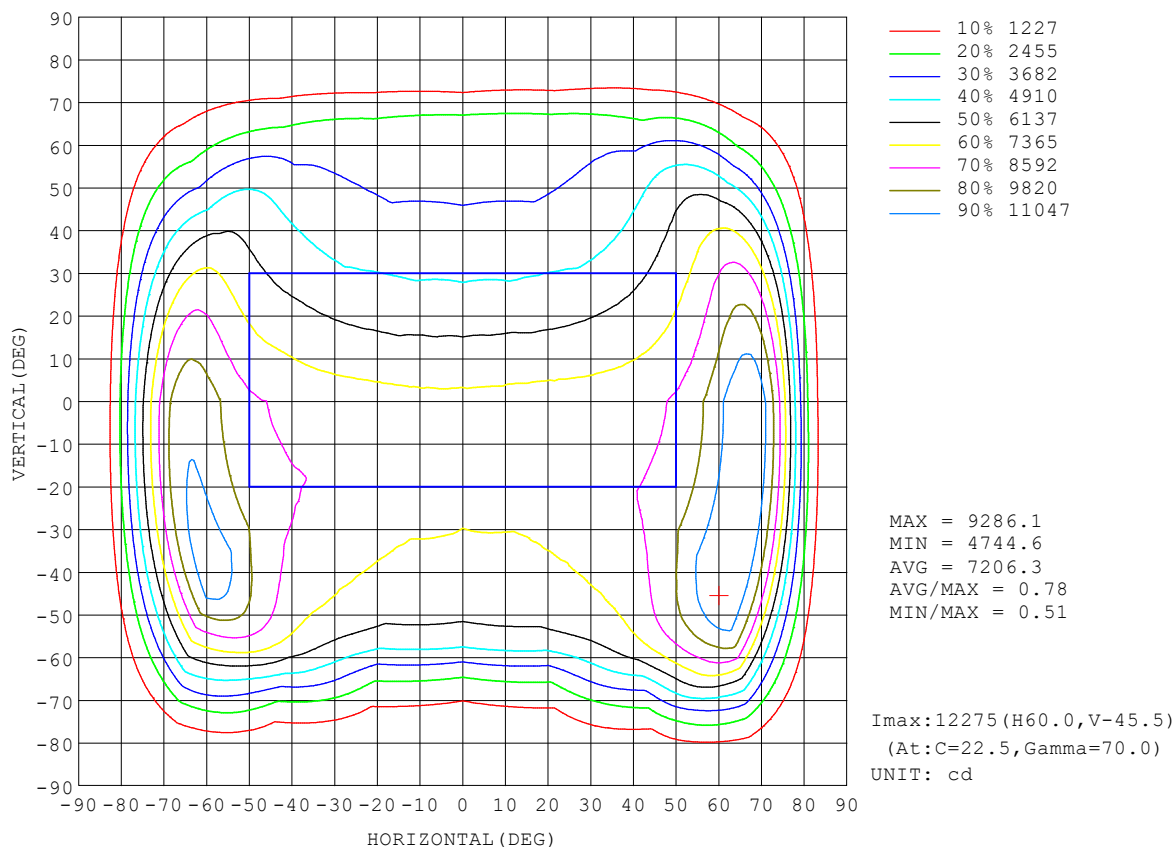
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	764.1	785.8	785.3	790.5	762.1	700.9	669.8	703.9	0- 10	717.4	717.4	2.31,2.3
20	774.8	791.4	771.9	801.8	777.7	625.5	560.2	630.7	10- 20	2071	2788	8.97,8.95
30	788.8	779.5	734.7	798.1	795.2	552.4	473.7	550.9	20- 30	3238	6026	19.4,19.3
40	812.8	766.0	692.9	786.4	827.8	496.5	404.2	493.4	30- 40	4217	10243	33,32.9
50	873.7	759.6	628.8	776.6	878.2	449.9	345.0	449.6	40- 50	5047	15290	49.2,49.1
60	1068	741.0	405.1	746.6	1039	399.6	300.0	419.1	50- 60	5772	21062	67.8,67.6
70	1144	543.5	124.8	527.0	908.3	271.9	178.2	304.0	60- 70	5947	27009	86.9,86.7
80	303.0	137.9	37.27	103.8	262.5	59.09	35.37	74.72	70- 80	3518	30527	98.2,98
90	0	0	0	0	0	0	0	0	80- 90	546.4	31074	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	31074	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	31074	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	31074	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	31074	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	31074	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	31074	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	31074	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	31074	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	31074	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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

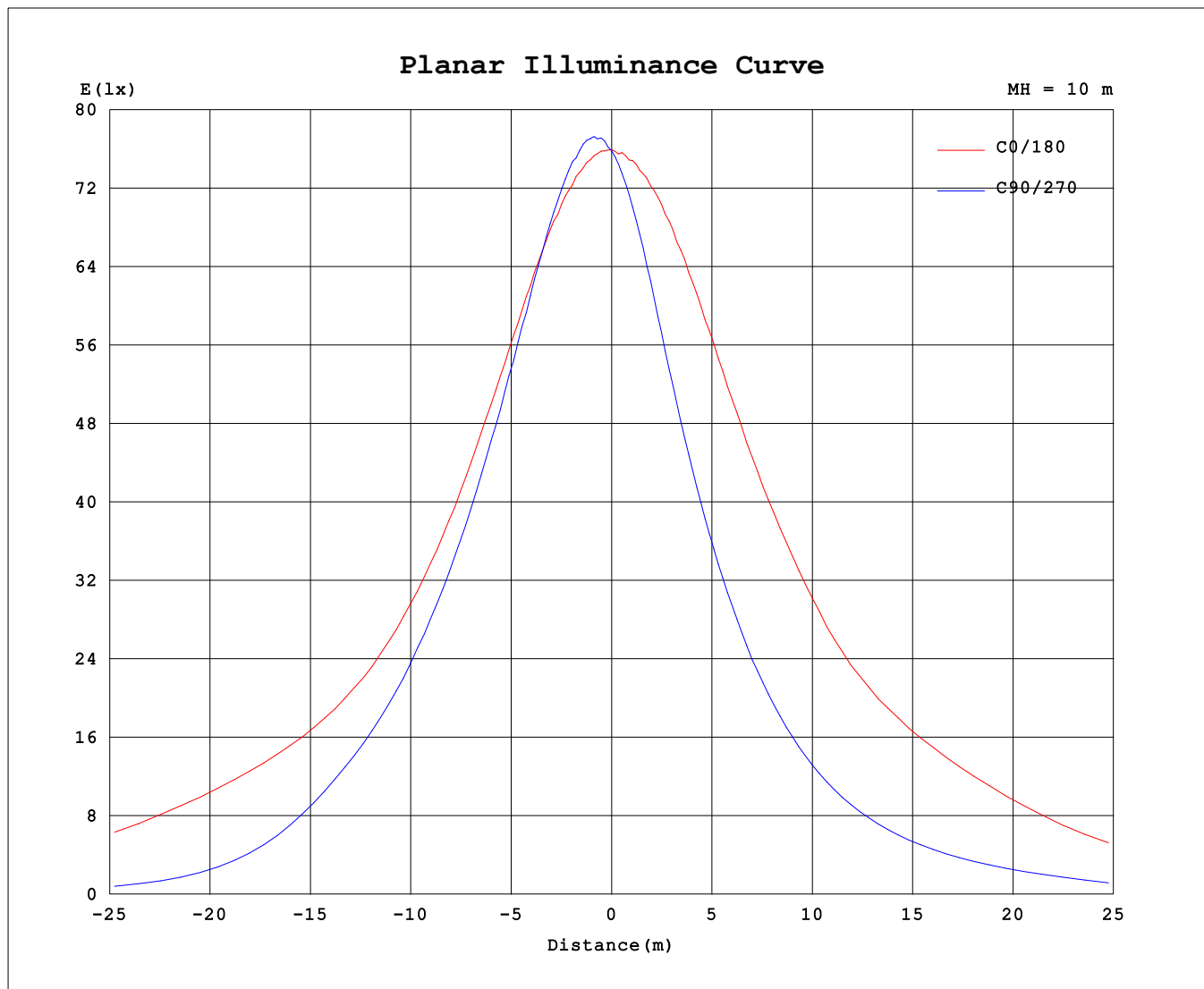
Test:U:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



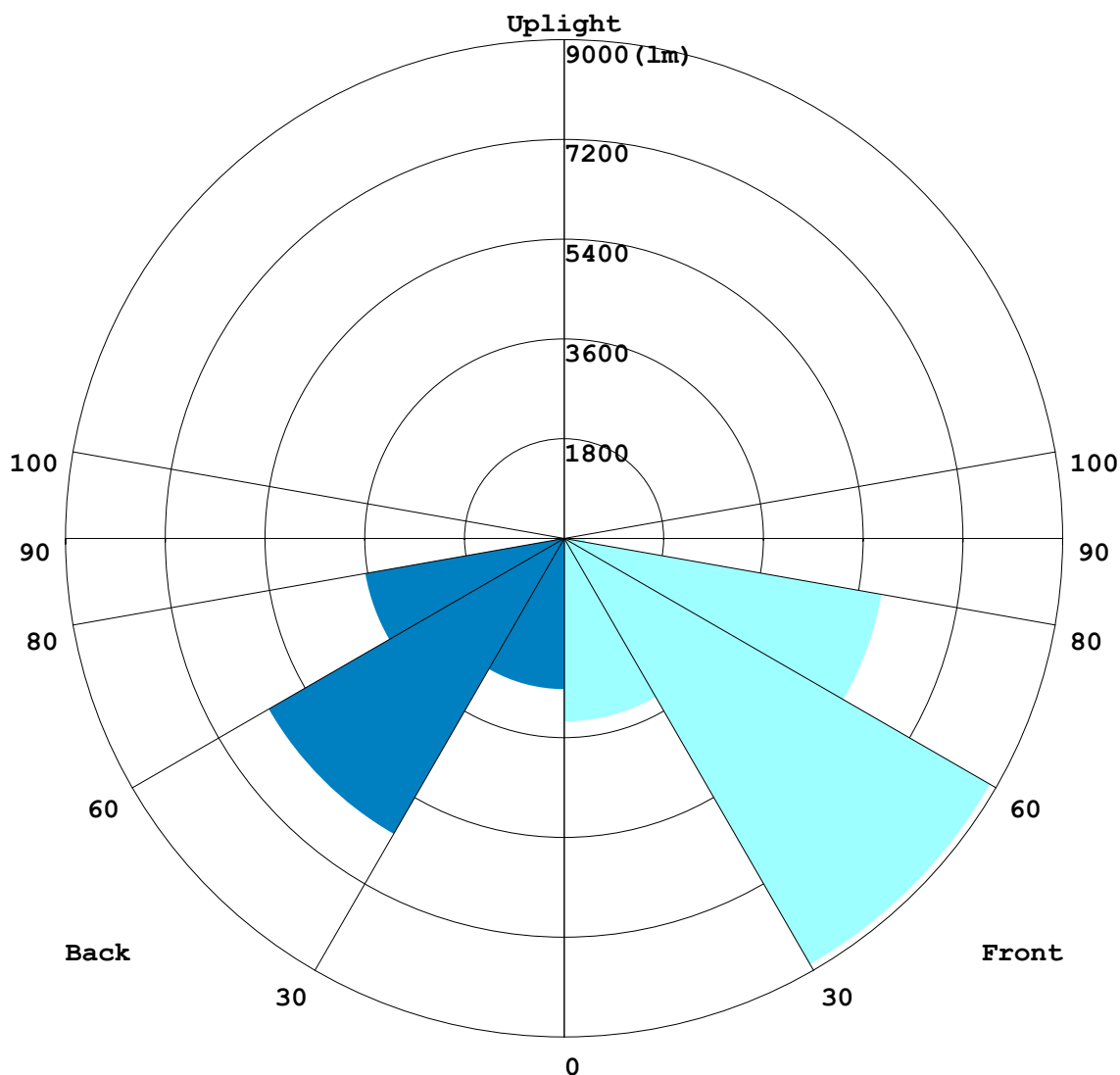
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 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: 25.4℃
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:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 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)	3305.7	10.6
FM - Front-Medium(30-60)	8878.1	28.6
FH - Front-High(60-80)	5817.7	18.7
FVH - Front-Very High(80-90)	384.37	1.2
Total Forward Light	18386	59.2

BL - Back-Low(0-30)	2720.7	8.8
BM - Back-Medium(30-60)	6157.6	19.8
BH - Back-High(60-80)	3647.4	11.7
BVH - Back-Very High(80-90)	162.04	0.5
Total Back Light	12688	40.8

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	12688	0	12688
Street Side	18386	0	18386

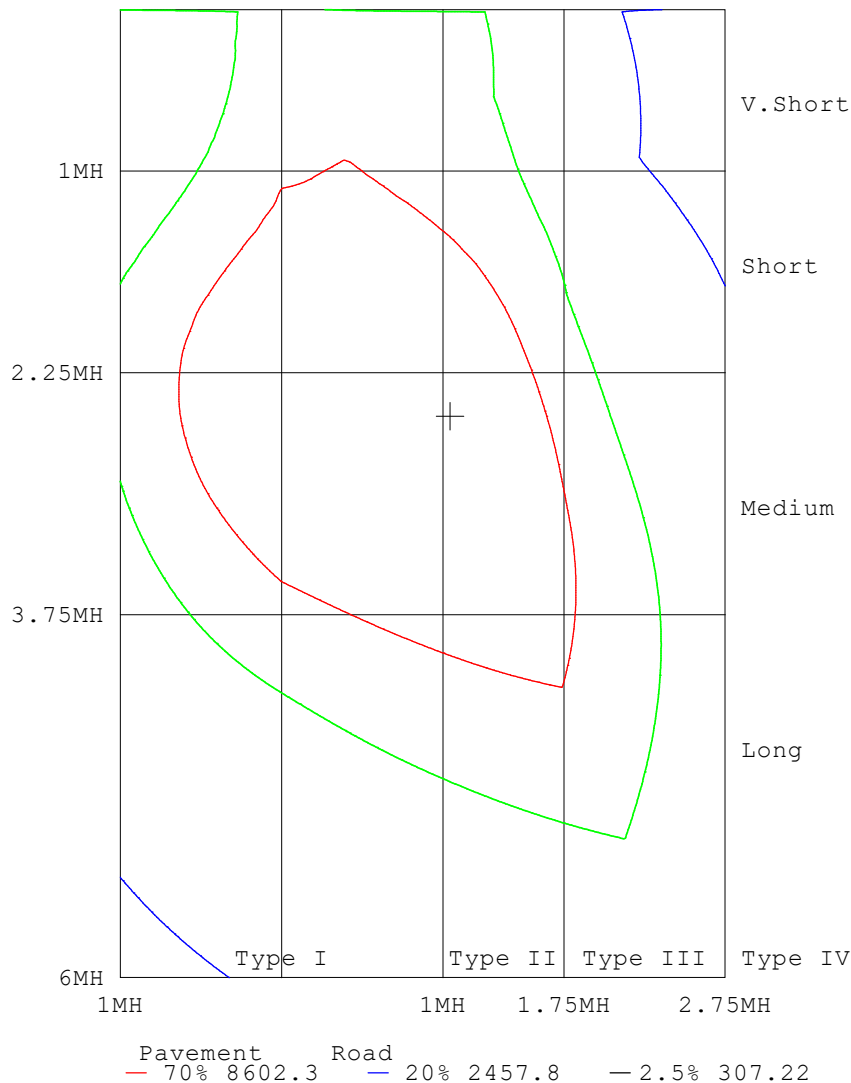
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 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: 25.4 °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:118.83V I:1.9880A P:236.19W PF:0.9997 Freq:60.01Hz Lamp Flux:31144.8x1 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	757	757	757	757	757	757	757	757	757	757	757	757	757	757	757	757			
5	760	771	776	779	780	778	774	771	755	747	731	723	721	724	734	748			
10	764	782	786	787	785	791	791	783	762	731	701	678	670	681	704	735			
15	767	792	791	783	784	792	796	798	767	719	663	627	613	629	670	724			
20	775	803	791	775	772	784	802	809	778	704	625	575	560	579	631	709			
25	780	811	788	760	755	771	800	825	785	688	586	530	514	532	590	692			
30	789	821	779	745	735	754	798	836	795	671	552	492	474	492	551	675			
35	799	830	775	726	716	736	791	847	810	658	522	456	436	456	521	663			
40	813	844	766	711	693	716	786	860	828	652	496	422	404	422	493	657			
45	837	861	763	690	666	693	782	879	851	648	470	392	372	391	472	654			
50	874	899	760	660	629	655	777	909	878	642	450	361	345	363	450	666			
55	951	957	753	613	559	603	769	965	950	649	426	335	321	337	435	686			
60	1068	1056	741	502	405	487	747	1073	1039	656	400	310	300	314	419	716			
65	1196	1175	697	322	234	313	692	1180	1069	614	358	278	271	287	389	726			
70	1144	1232	543	182	125	176	527	1098	908	455	272	203	178	221	304	626			
75	790	1077	319	95.3	69.7	92.0	277	781	600	267	148	94.9	76.3	103	183	376			
80	303	596	138	48.2	37.3	46.2	104	423	262	119	59.1	38.9	35.4	42.9	74.7	139			
85	63.4	157	32.7	19.3	14.9	15.9	24.4	87.2	49.7	22.4	12.6	9.74	10.6	13.2	15.2	33.4			
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: 25.4℃
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: