

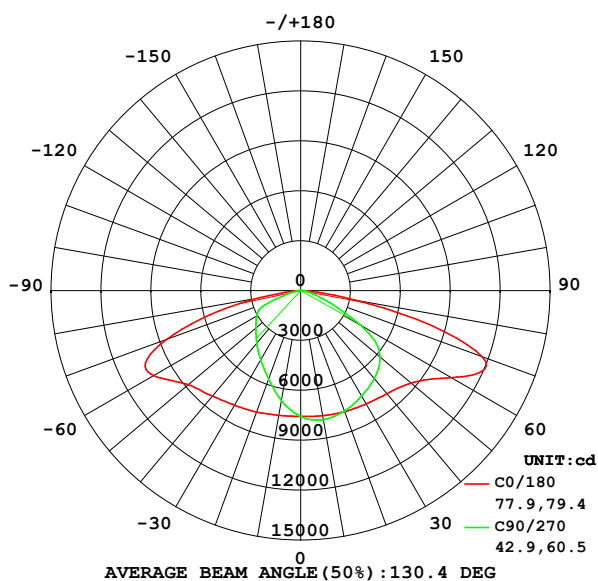
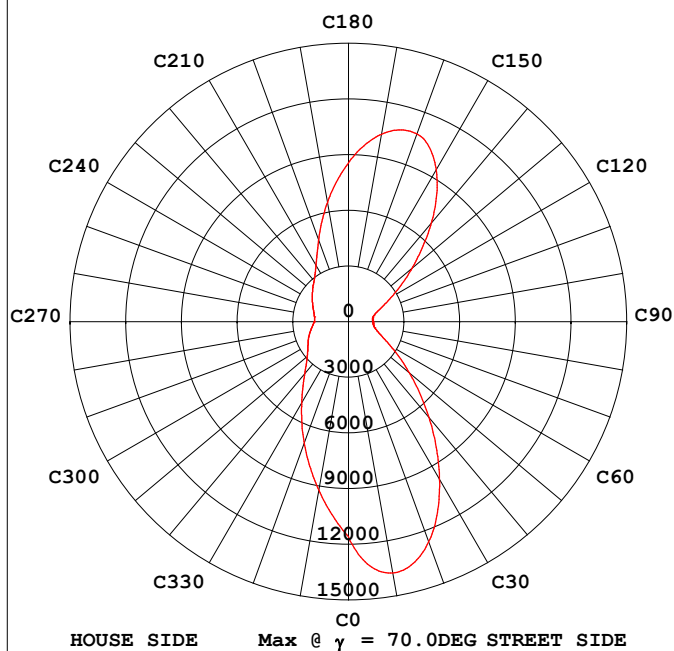
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz

Lamp Flux:31240.7x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 133.85 lm/W
MODEL	AL-240WS-3CS-T3	Imax (cd)	12056	η street_up (%)	0.0	
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	58.9	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	31170	η house_up (%)	0.0	
NOMINAL FLUX (lm)	31240.7	MAXIMUM @ (C, γ)	23,70.0	η house_down (%)	40.9	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.289	

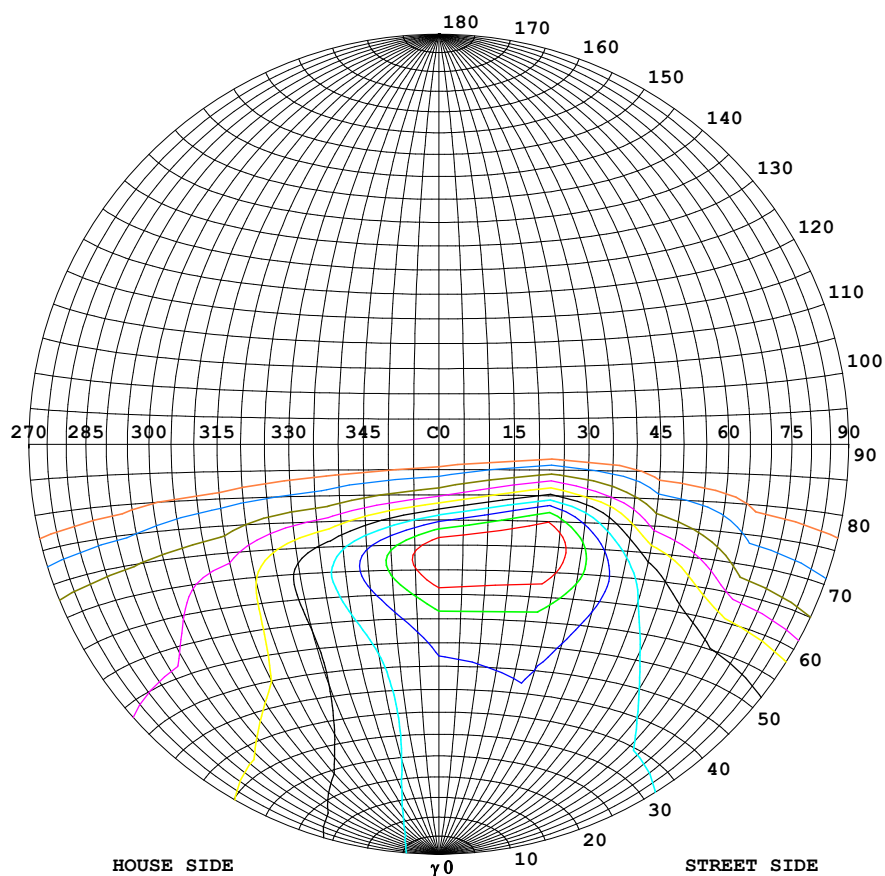
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



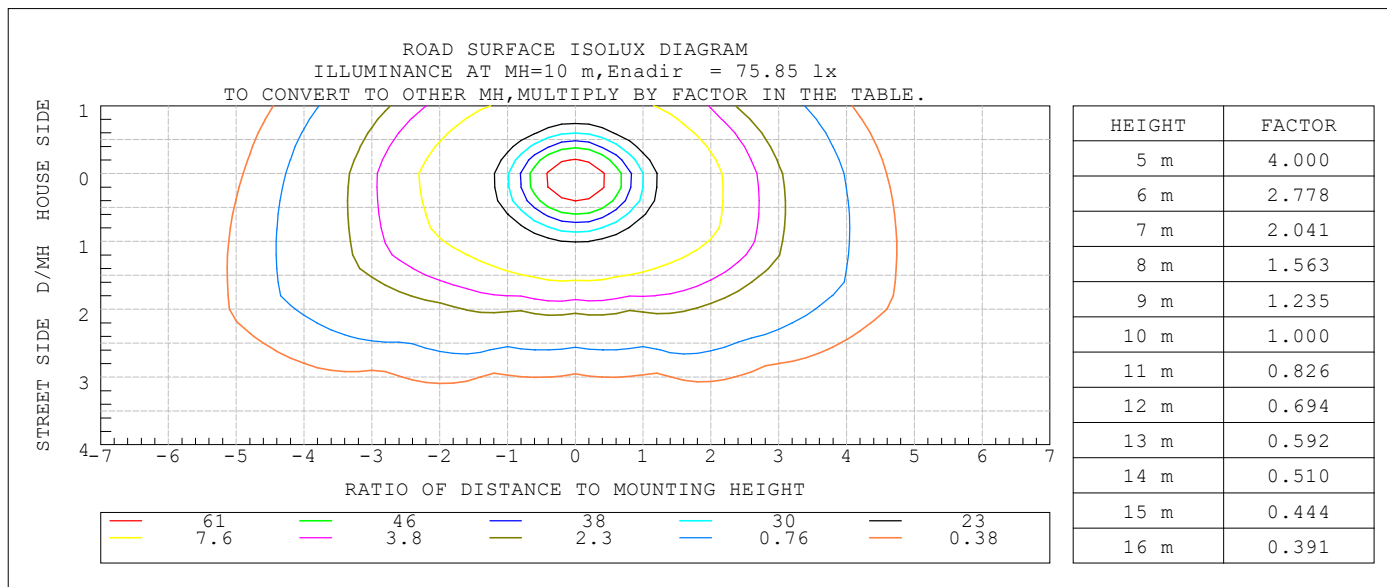
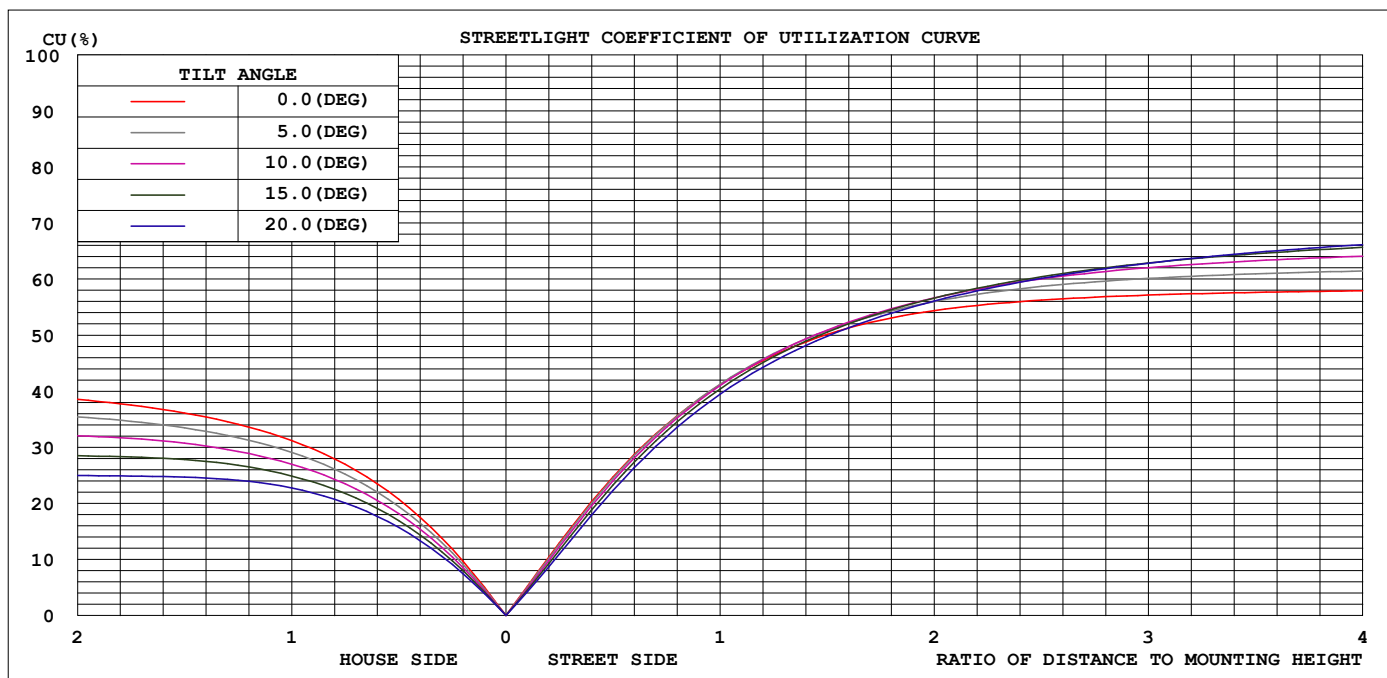
Classification:

IES:Type III - Medium
CIE:Average - Long
IES:None cut-off
CIE:Non-cut-off
Max.At80:201.4cd/klm
Max.At90:0cd/klm
Max.80-90:201.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12056
90%	10851
80%	9645
70%	8439
60%	7234
50%	6028
40%	4822
30%	3617
20%	2411
10%	1206
5%	603

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tam-lite lighting	SUR.:	Shielding Angle:

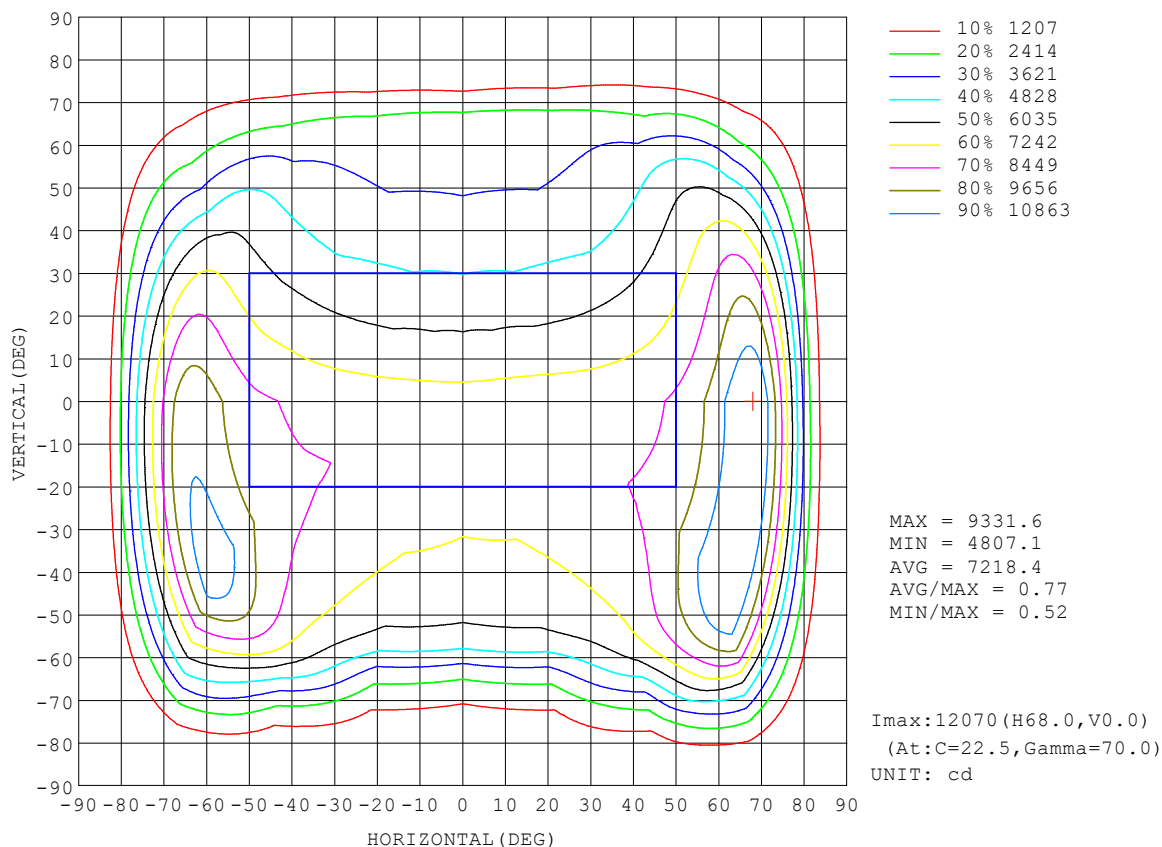
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	763.3	786.9	787.2	791.2	762.2	701.6	672.2	706.3	0- 10	717.6	717.6	2.3,2.3
20	774.9	789.5	771.0	806.3	777.0	628.8	566.1	635.5	10- 20	2074	2791	8.95,8.93
30	786.1	779.4	731.7	801.5	796.2	558.3	481.0	561.7	20- 30	3247	6038	19.4,19.3
40	808.9	762.9	689.5	790.6	828.4	503.0	411.8	505.3	30- 40	4229	10267	32.9,32.9
50	865.9	750.0	622.7	782.8	880.3	455.5	352.6	462.3	40- 50	5055	15322	49.2,49
60	1047	727.8	411.2	759.9	1022	402.8	306.7	430.6	50- 60	5766	21088	67.7,67.5
70	1160	542.2	132.7	561.1	856.1	271.7	184.9	321.9	60- 70	5929	27017	86.7,86.5
80	334.6	147.9	39.32	118.2	250.0	61.12	36.69	81.40	70- 80	3571	30588	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	582.1	31170	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	31170	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	31170	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	31170	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	31170	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	31170	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	31170	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	31170	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	31170	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	31170	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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

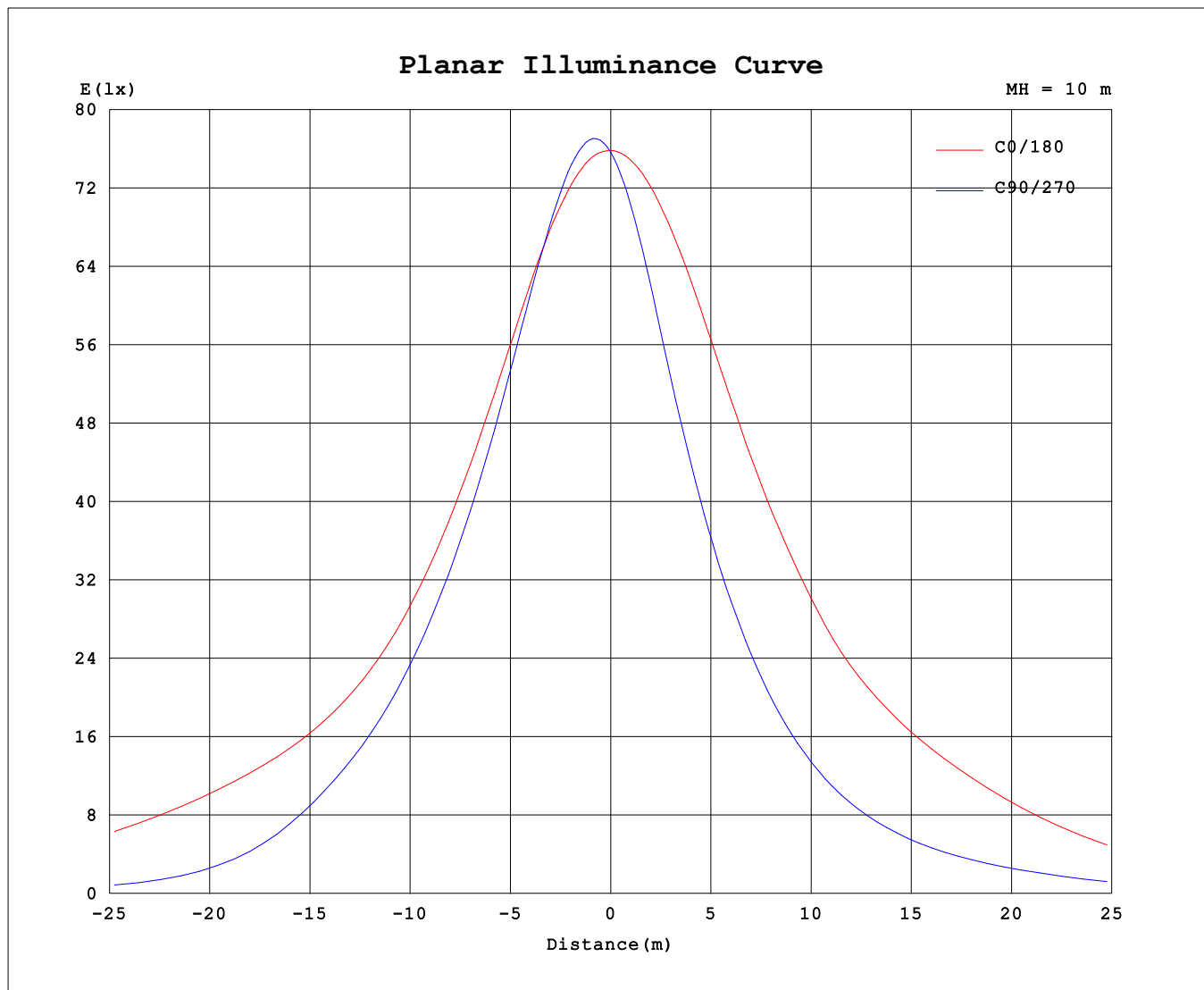
Test:U:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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



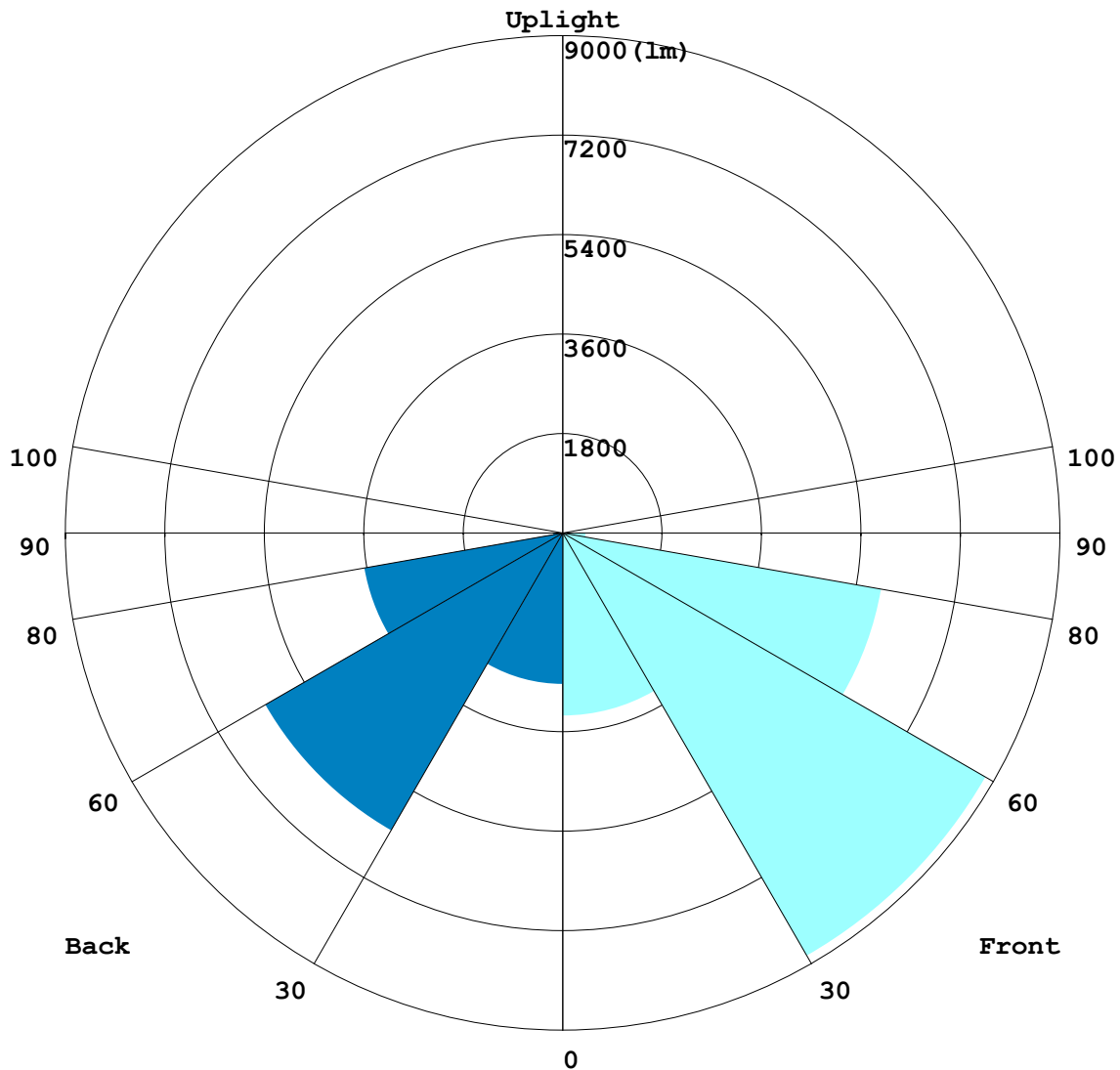
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 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: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 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)	3304.4	10.6
FM - Front-Medium(30-60)	8835.7	28.3
FH - Front-High(60-80)	5853	18.8
FVH - Front-Very High(80-90)	415.03	1.3
Total Forward Light	18408	59.1

BL - Back-Low(0-30)	2733.7	8.8
BM - Back-Medium(30-60)	6213.9	19.9
BH - Back-High(60-80)	3647.4	11.7
BVH - Back-Very High(80-90)	167.06	0.5
Total Back Light	12762	40.9

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	12762	0	12762
Street Side	18408	0	18408

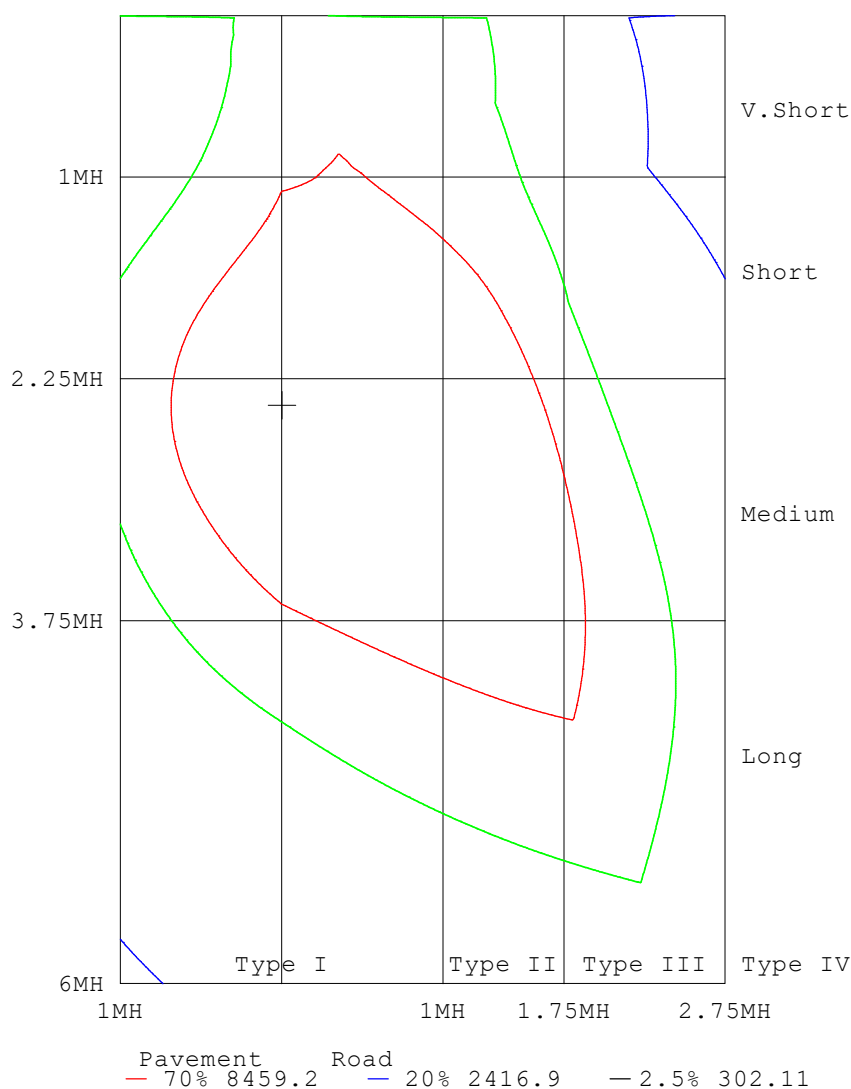
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 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: 24.8°C
Operators:DAMIN
Test Date:2024-12-24

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:118.79V I:1.9608A P:232.88W PF:0.9998 Freq:60.01Hz Lamp Flux:31240.7x1 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	768	776	779	780	779	777	770	758	745	732	723	720	724	734	747			
10	763	780	787	787	787	790	791	783	762	731	702	680	672	682	706	737			
15	769	790	791	784	783	791	801	796	768	717	667	630	618	633	673	724			
20	775	799	790	773	771	784	806	812	777	701	629	580	566	584	636	710			
25	780	808	785	758	753	771	805	824	786	685	592	536	521	540	597	693			
30	786	817	779	740	732	754	801	837	796	670	558	499	481	500	562	677			
35	796	825	771	722	712	735	797	849	810	659	529	464	446	464	531	666			
40	809	835	763	704	690	715	791	862	828	652	503	431	412	431	505	659			
45	829	854	756	683	661	690	785	886	851	647	478	399	381	400	482	657			
50	866	882	750	653	623	656	783	913	880	642	455	369	353	372	462	666			
55	933	934	742	606	556	601	778	972	945	646	431	342	328	346	445	687			
60	1047	1022	728	502	411	495	760	1074	1022	646	403	317	307	323	431	715			
65	1176	1139	684	328	243	326	714	1166	1029	597	357	284	279	297	404	731			
70	1160	1206	542	189	133	187	561	1065	856	434	272	208	185	234	322	648			
75	815	1075	327	100	74.5	99.7	307	770	568	255	150	96.0	79.8	111	196	403			
80	335	629	148	51.0	39.3	50.0	118	427	250	116	61.1	39.5	36.7	47.1	81.4	154			
85	72.5	177	35.7	20.4	15.4	16.9	25.8	89.6	47.9	20.6	13.3	9.89	11.2	14.8	16.6	39.7			
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: 24.8℃
Operators:DAMIN
Test Date:2024-12-24

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: