Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P954110

Luminaire Tested: **GALN-SB7B-950-U-T4W-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P954110
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB7B-950-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21459 lumens
Efficiency:	N/A
Efficacy:	83.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	256.7
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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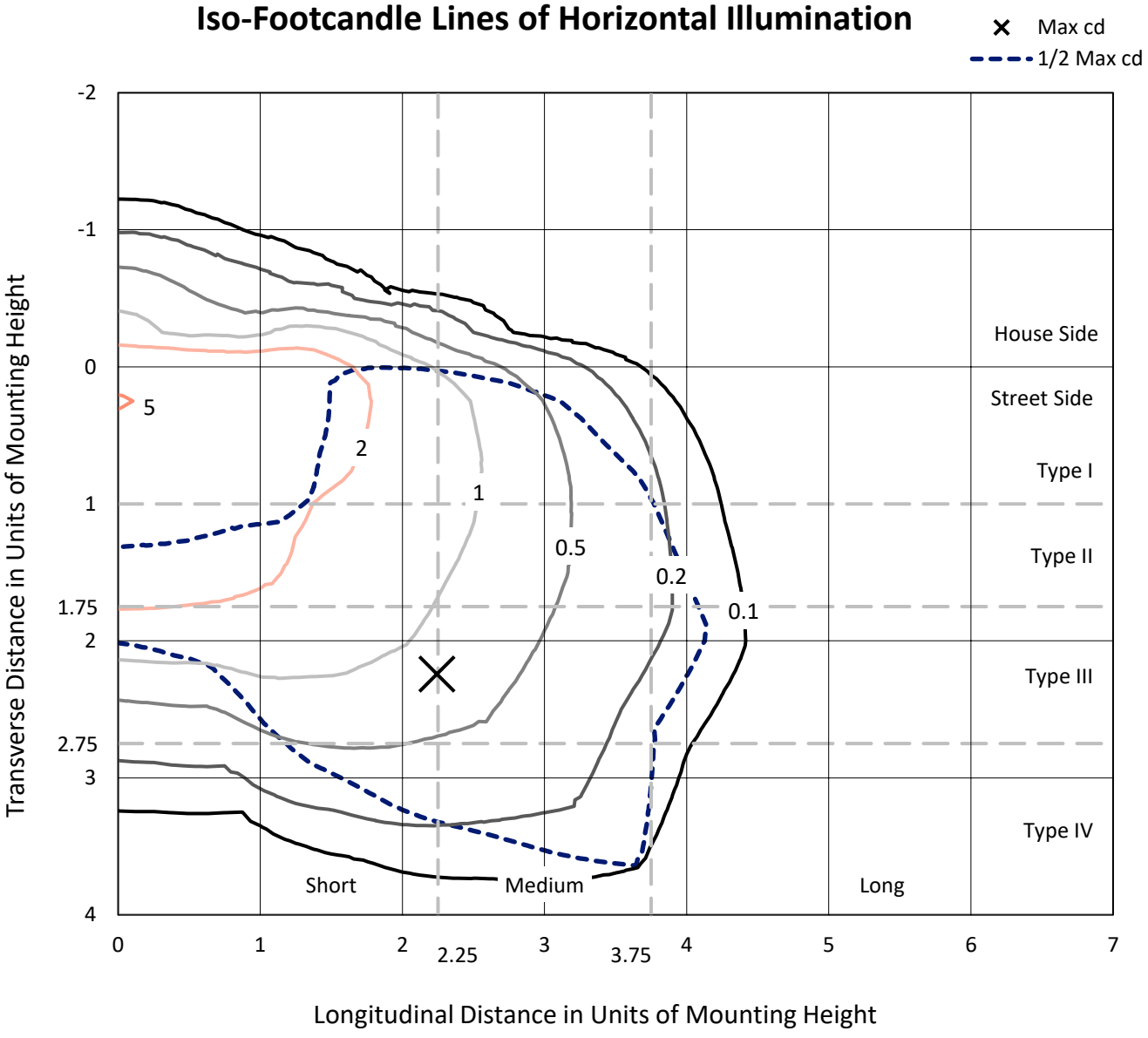
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type IV - Short - N/A

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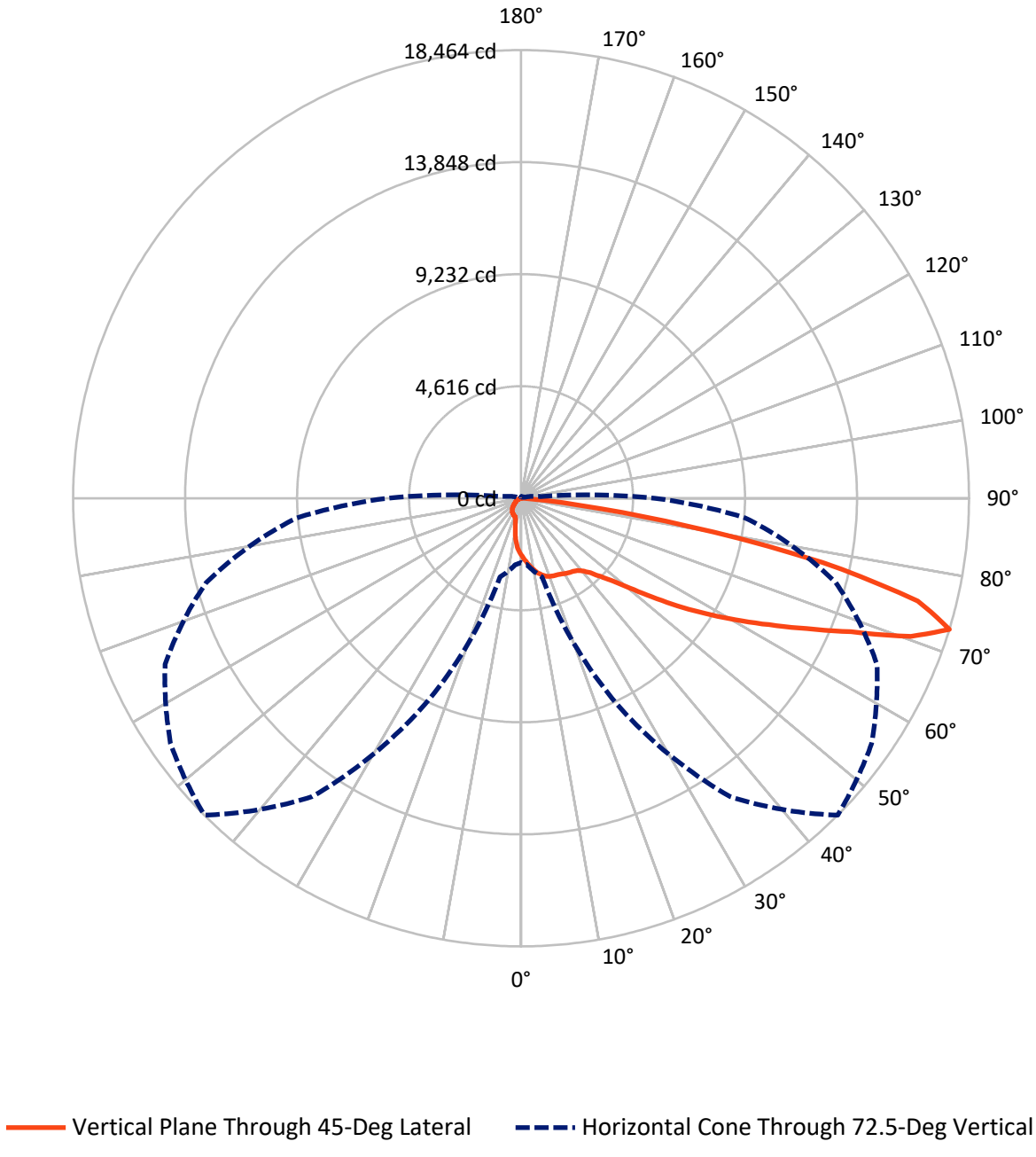
Luminous Intensity Polar Plot



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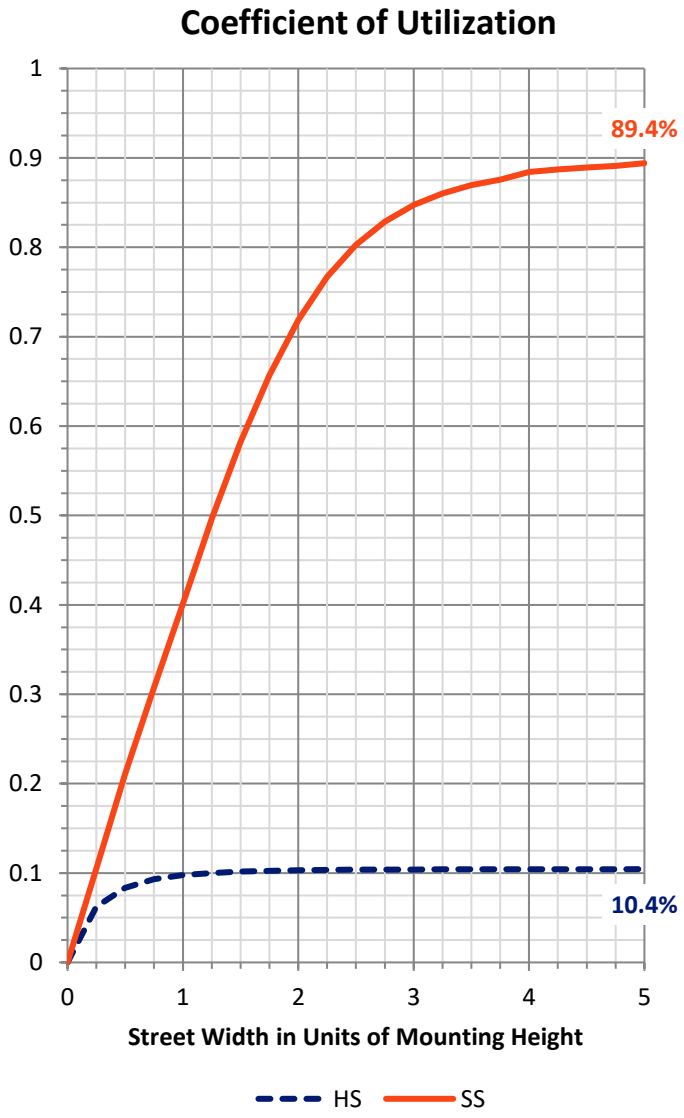
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2254.7	0.0	2254.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19204.3	0.0	19204.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	21459.0	0.0	21459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	1.0
10°-20°	647.3	3.0
20°-30°	1063.1	5.0
30°-40°	1507.7	7.0
40°-50°	2492.0	11.6
50°-60°	4476.6	20.9
60°-70°	6216.0	29.0
70°-80°	4508.9	21.0
80°-90°	326.0	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21459.0	100.0
0°-180°	21459.0	100.0



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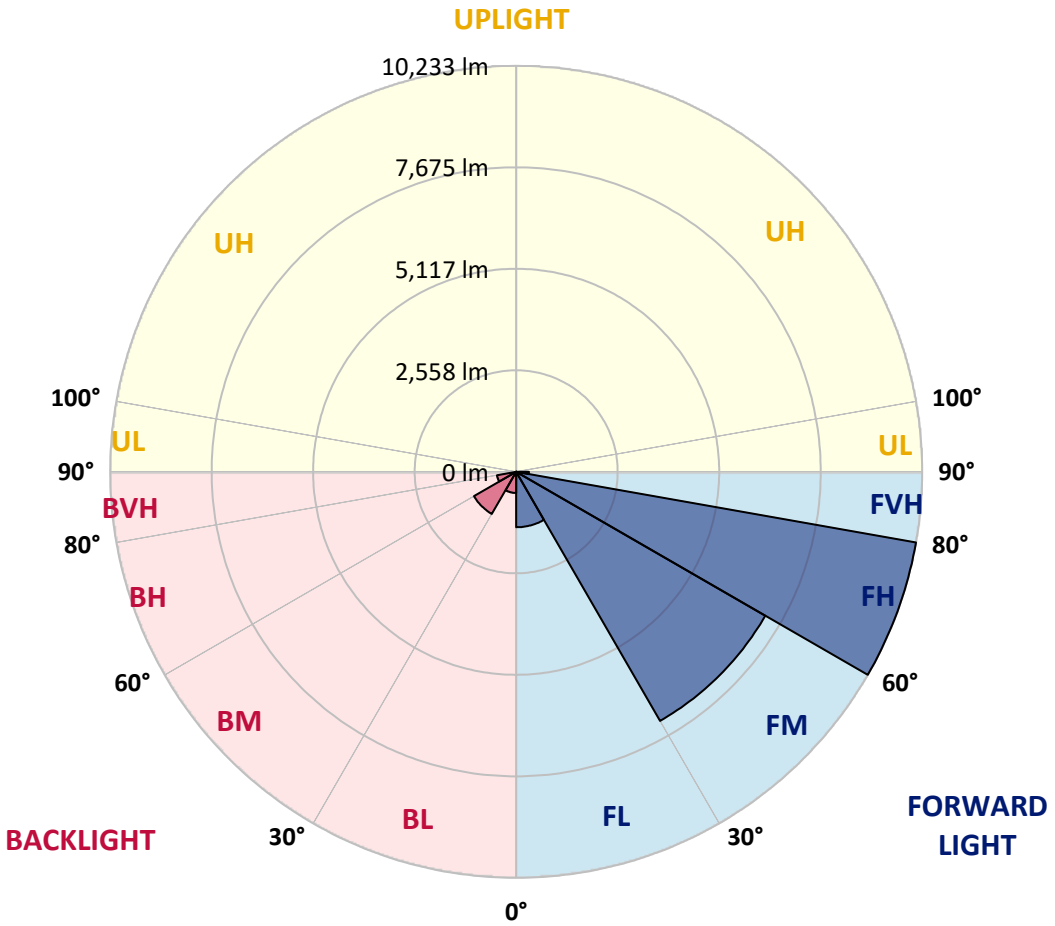
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1397.8	6.5			
FM	(30°-60°)	7250.0	33.8			
FH	(60°-80°)	10233.2	47.7			G4/12000
FVH	(80°-90°)	323.2	1.5			G3/500
BL	(0°-30°)	534.1	2.5	B2/1000		
BM	(30°-60°)	1226.3	5.7	B2/2500		
BH	(60°-80°)	491.7	2.3	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9
2.5°	2567.7	2572.1	2569.1	2551.5	2522.3	2506.1	2497.4	2468.1	2449.0	2415.3
5°	2803.5	2821.1	2810.8	2775.6	2720.0	2680.4	2668.7	2608.7	2554.5	2491.5
7.5°	3053.9	3062.7	3043.7	2998.3	2923.6	2856.2	2846.0	2762.5	2676.0	2579.4
10°	3270.7	3281.0	3251.7	3185.8	3100.8	3017.3	3002.7	2910.4	2807.9	2689.2
12.5°	3452.4	3462.6	3424.5	3345.4	3251.7	3165.3	3150.6	3053.9	2941.2	2809.3
15°	3590.0	3609.1	3557.8	3472.9	3371.8	3285.4	3278.0	3182.8	3073.0	2926.5
17.5°	3670.6	3689.6	3641.3	3538.8	3452.4	3379.1	3370.3	3291.2	3188.7	3048.1
20°	3683.8	3701.4	3650.1	3560.7	3489.0	3430.4	3426.0	3368.9	3294.2	3159.4
22.5°	3644.2	3666.2	3619.3	3547.6	3497.8	3467.0	3461.1	3428.9	3386.4	3272.2
25°	3603.2	3620.8	3585.6	3522.7	3496.3	3493.4	3497.8	3491.9	3483.1	3386.4
27.5°	3600.3	3619.3	3579.8	3519.7	3505.1	3535.8	3540.2	3568.1	3575.4	3490.4
30°	3625.2	3638.4	3600.3	3537.3	3530.0	3600.3	3601.8	3651.6	3663.3	3578.3
32.5°	3679.4	3694.0	3655.9	3563.7	3553.4	3651.6	3655.9	3721.9	3740.9	3672.1
35°	3806.8	3824.4	3780.4	3636.9	3600.3	3699.9	3713.1	3790.7	3828.8	3771.7
37.5°	4124.7	4073.4	4013.3	3784.8	3707.2	3776.1	3798.0	3888.8	3956.2	3890.3
40°	4914.1	4753.0	4565.5	4036.8	3894.7	3938.6	3956.2	4047.0	4139.3	4074.9
42.5°	6099.1	5908.7	5607.0	4616.8	4177.4	4199.4	4212.5	4291.6	4422.0	4370.7
45°	7155.2	7086.3	6778.7	5607.0	4706.2	4597.8	4613.9	4654.9	4846.8	4827.7
47.5°	7966.6	7927.1	7689.8	6743.6	5599.6	5085.5	5130.9	5150.0	5426.8	5494.2
50°	8590.6	8575.9	8363.6	7754.2	6767.0	5804.7	5820.8	5779.8	6194.3	6361.3
52.5°	9179.4	9229.2	9072.5	8693.1	8013.5	6746.5	6743.6	6550.2	7109.8	7361.7
55°	9711.1	9728.7	9744.8	9651.1	9267.3	7818.7	7790.9	7474.5	8171.7	8432.4
57.5°	10210.6	10217.9	10361.4	10553.3	10572.4	8970.0	8918.7	8539.3	9331.7	9517.8
60°	10546.0	10579.7	10882.9	11416.0	11648.9	10157.8	10130.0	9743.3	10512.3	10598.7
62.5°	10062.6	10267.7	11032.3	12089.8	12665.5	11474.6	11461.5	11098.2	11754.4	11684.1
65°	8145.3	8492.5	9837.1	12545.3	13662.9	12945.2	12964.3	12577.6	13030.2	12801.7
67.5°	5697.8	6063.9	7654.6	12582.0	14777.6	14672.1	14782.0	14175.6	14385.0	13872.4
70°	3940.1	4129.1	5164.6	11793.9	15646.2	17050.8	17047.9	16138.3	15732.6	14360.1
72.5°	2649.7	2747.8	3354.2	9356.6	15007.5	18464.3	18379.3	17638.2	16186.6	13430.0
75°	1117.6	1189.4	1552.6	5258.4	11873.0	16892.6	16662.7	15587.6	14382.1	10575.3
77.5°	354.5	385.2	612.3	1882.2	6540.0	12697.7	12454.5	9734.5	9639.3	5305.2
80°	168.4	196.3	344.2	755.8	2573.5	6906.2	6872.5	4416.1	4146.6	1432.5
82.5°	73.2	86.4	190.4	404.3	1151.3	2463.7	2513.5	1502.8	1243.5	543.4
85°	23.4	30.8	87.9	186.0	486.3	612.3	604.9	357.4	500.9	295.9
87.5°	0.0	0.0	29.3	42.5	49.8	35.2	39.5	30.8	139.1	82.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2350.9	0°	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9	2350.9
2380.2	2.5°	2362.6	2339.2	2298.1	2260.1	2226.4	2192.7	2172.2	2142.9	2140.0	2140.0
2418.3	5°	2378.7	2340.6	2267.4	2189.8	2100.4	2015.5	1930.5	1848.5	1822.1	1803.1
2479.8	7.5°	2425.6	2365.5	2249.8	2101.9	1932.0	1745.9	1615.6	1475.0	1420.8	1391.5
2561.8	10°	2493.0	2410.9	2235.2	1975.9	1700.5	1447.1	1261.1	1108.8	1050.2	1025.3
2651.1	12.5°	2567.7	2466.6	2208.8	1819.2	1447.1	1143.9	962.3	892.0	883.2	883.2
2758.1	15°	2657.0	2534.0	2163.4	1634.6	1182.0	905.2	840.8	843.7	852.5	858.3
2862.1	17.5°	2749.3	2605.7	2091.6	1428.1	947.7	814.4	815.9	820.2	827.6	833.4
2974.9	20°	2848.9	2677.5	1996.4	1208.4	812.9	788.0	792.4	796.8	802.7	805.6
3080.3	22.5°	2955.8	2744.9	1883.6	993.1	767.5	766.0	767.5	771.9	779.2	779.2
3203.3	25°	3070.1	2819.6	1754.7	836.4	744.1	744.1	747.0	749.9	755.8	755.8
3322.0	27.5°	3187.2	2888.4	1618.5	754.3	723.6	722.1	722.1	726.5	729.4	730.9
3439.2	30°	3316.1	2969.0	1482.3	736.8	707.5	700.1	695.7	698.7	701.6	703.1
3562.2	32.5°	3448.0	3046.6	1360.7	744.1	691.3	678.2	663.5	660.6	660.6	666.4
3689.6	35°	3594.4	3131.6	1267.0	769.0	682.6	645.9	622.5	609.3	610.8	619.6
3842.0	37.5°	3770.2	3234.1	1198.1	790.9	676.7	609.3	571.2	555.1	544.9	555.1
4051.4	40°	4000.2	3385.0	1148.3	808.5	669.4	566.8	515.6	489.2	470.2	476.0
4376.6	42.5°	4338.5	3622.3	1129.3	810.0	653.3	517.0	458.5	423.3	395.5	396.9
4865.8	45°	4813.1	3997.2	1227.4	790.9	618.1	462.9	398.4	351.5	334.0	329.6
5596.7	47.5°	5463.4	4543.6	1454.5	751.4	566.8	410.1	339.8	300.3	287.1	279.8
6556.1	50°	6334.9	5245.2	1706.4	707.5	515.6	360.3	291.5	266.6	257.8	250.5
7694.2	52.5°	7345.6	5957.0	1912.9	663.5	464.3	316.4	260.7	246.1	238.7	232.9
8792.7	55°	8272.8	6447.7	1901.2	616.6	414.5	281.2	238.7	230.0	221.2	215.3
9738.9	57.5°	8849.9	6516.5	1567.3	565.4	357.4	253.4	218.2	212.4	202.1	194.8
10557.7	60°	9115.0	6124.0	1098.5	498.0	300.3	227.0	196.3	193.3	180.2	169.9
11332.6	62.5°	9163.3	5394.6	732.4	414.5	250.5	202.1	174.3	169.9	152.3	134.8
11962.4	65°	8967.0	4351.7	506.8	323.7	213.8	175.8	149.4	140.6	121.6	104.0
12111.8	67.5°	8346.0	3055.4	353.0	232.9	181.6	139.1	118.6	115.7	101.1	86.4
11350.1	70°	7207.9	1741.6	235.8	174.3	143.5	95.2	93.7	96.7	82.0	70.3
9273.2	72.5°	*5526.4*	*796.8*	*146.5*	*127.4*	*98.1*	*64.4*	*74.7*	*76.2*	*63.0*	*52.7*
5785.7	75°	3253.1	341.3	92.3	82.0	49.8	42.5	54.2	55.7	42.5	33.7
2115.1	77.5°	1107.3	128.9	58.6	48.3	24.9	23.4	35.2	35.2	23.4	13.2
424.8	80°	251.9	48.3	29.3	19.0	11.7	10.3	11.7	10.3	5.9	1.5
130.4	82.5°	71.8	19.0	11.7	7.3	4.4	4.4	1.5	0.0	0.0	0.0
45.4	85°	20.5	8.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
16.1	87.5°	8.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

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180°
2350.9
2147.3
1811.9
1395.9
1025.3
883.2
858.3
833.4
807.1
782.2
757.3
732.4
706.0
670.8
624.0
552.2
473.1
391.1
323.7
275.4
249.0
231.4
212.4
193.3
167.0
126.0
98.1
82.0
64.4
46.9
29.3
10.3
0.0
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0.0

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