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: P952472

Luminaire Tested: **GALN-SB6B-760-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:	P952472
	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-SB6B-760-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 5700K, 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:	27828 lumens
Efficiency:	N/A
Efficacy:	126.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	220.4
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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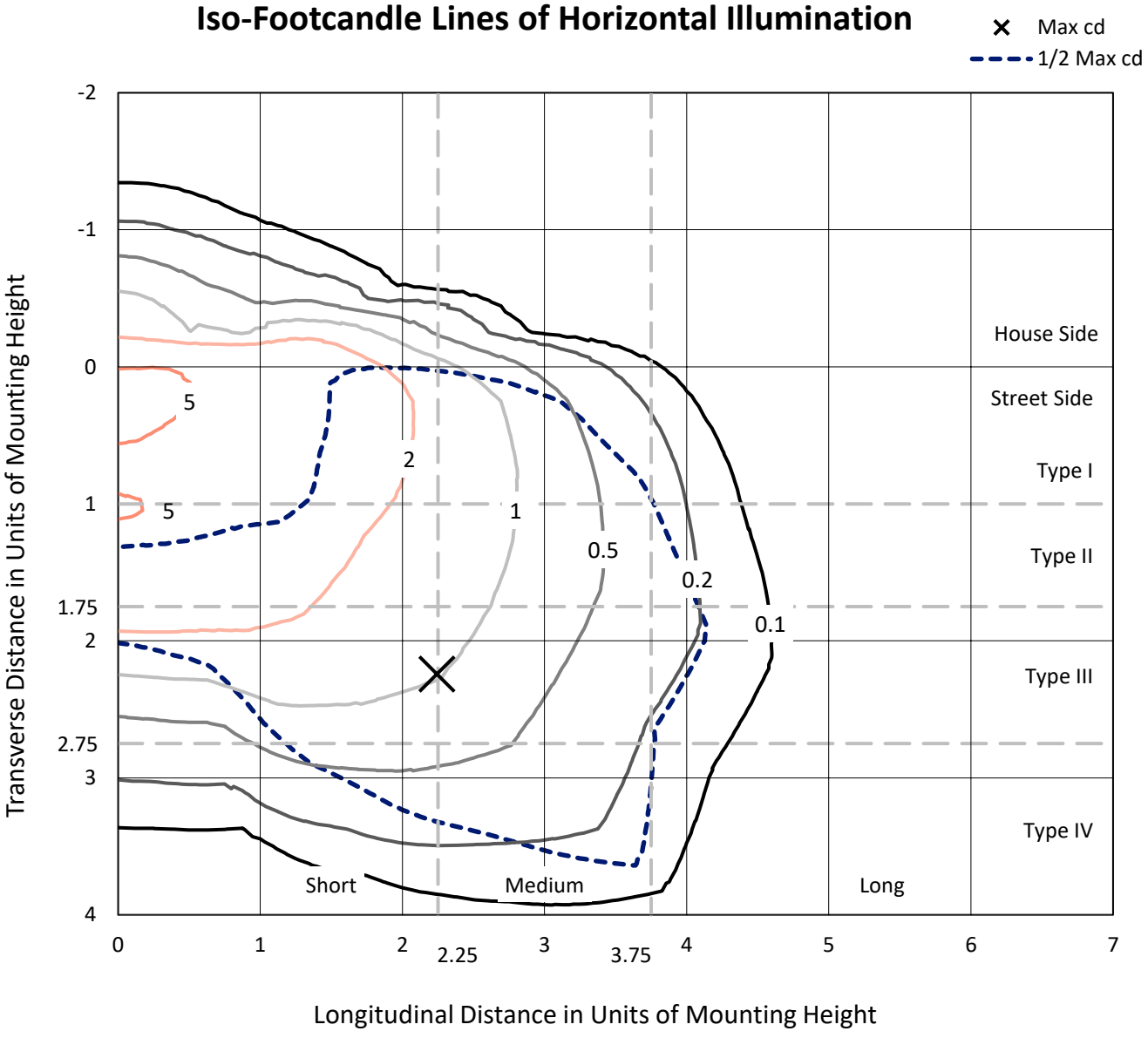
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
Type IV - Short - N/A

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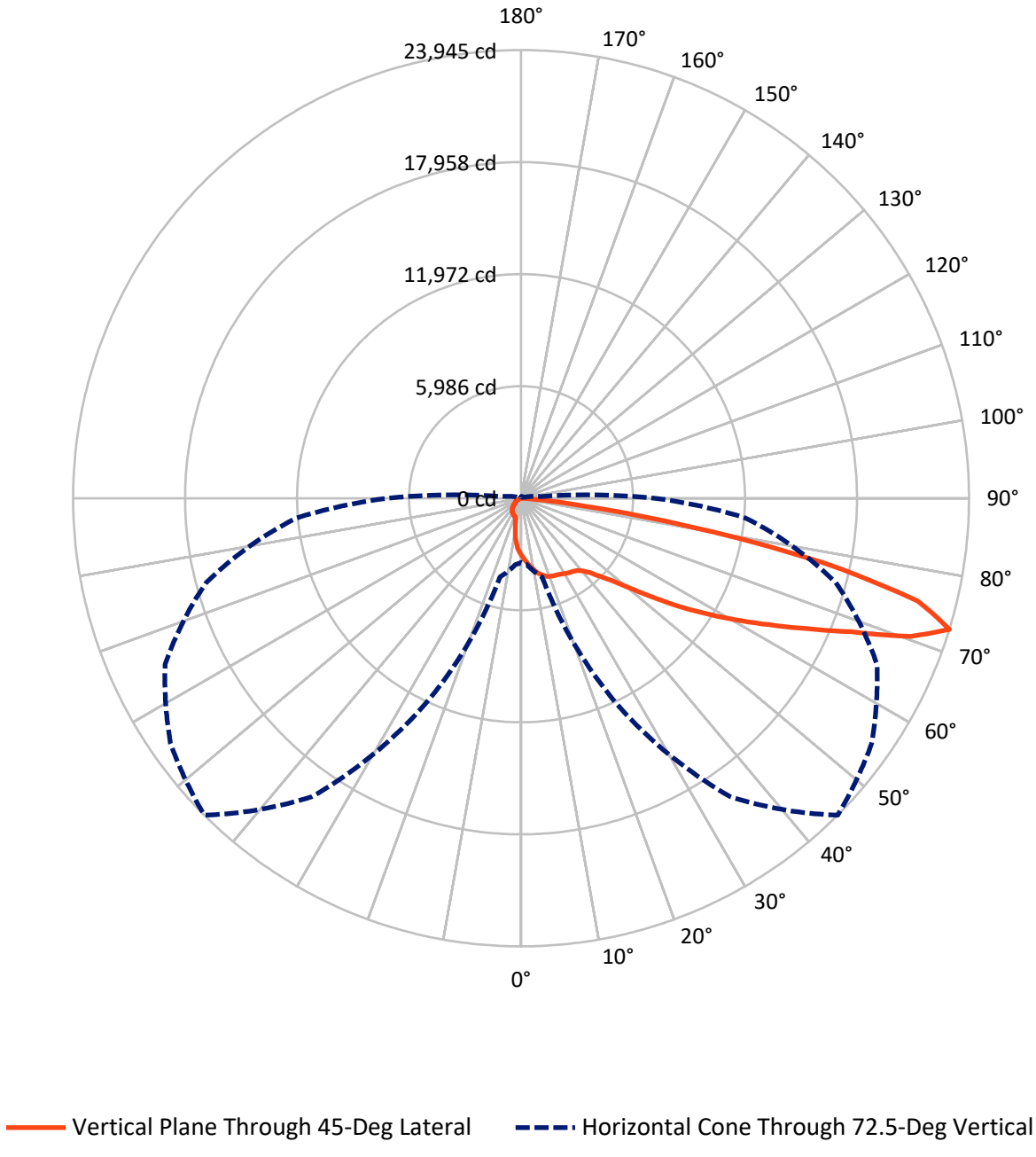
Luminous Intensity Polar Plot



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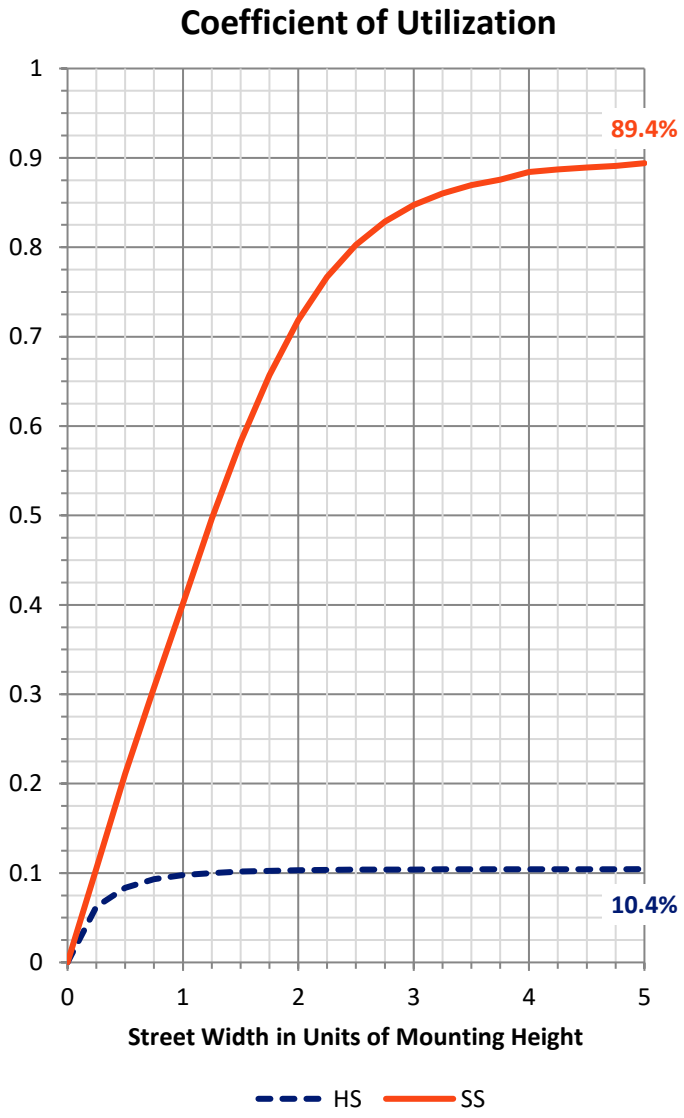
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2924.0	0.0	2924.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	24904.0	0.0	24904.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	27828.0	0.0	27828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.2	1.0
10°-20°	839.5	3.0
20°-30°	1378.6	5.0
30°-40°	1955.1	7.0
40°-50°	3231.6	11.6
50°-60°	5805.2	20.9
60°-70°	8060.9	29.0
70°-80°	5847.1	21.0
80°-90°	422.7	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°	27828.0	100.0
0°-180°	27828.0	100.0



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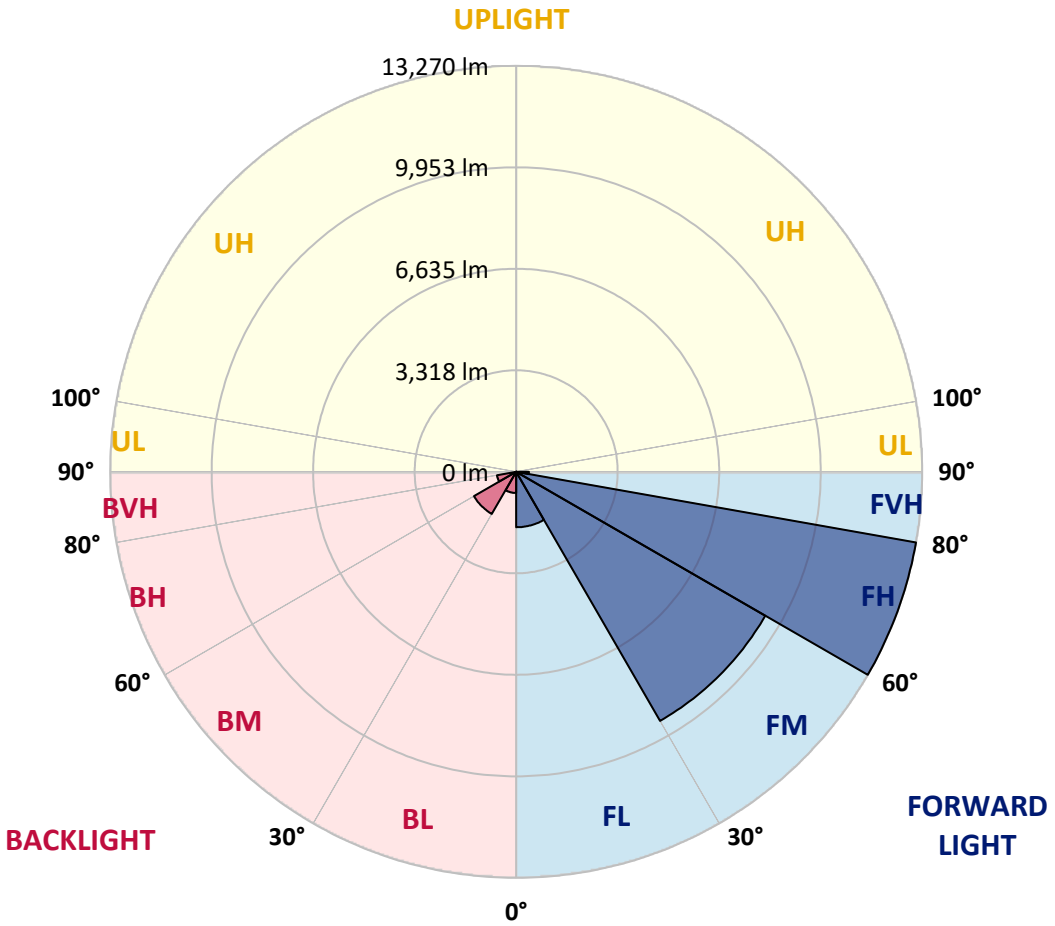
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1812.7	6.5			
FM	(30°-60°)	9401.8	33.8			
FH	(60°-80°)	13270.4	47.7			G5
FVH	(80°-90°)	419.2	1.5			G3/500
BL	(0°-30°)	692.6	2.5	B2/1000		
BM	(30°-60°)	1590.2	5.7	B2/2500		
BH	(60°-80°)	637.6	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.6	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-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6
2.5°	3329.7	3335.4	3331.6	3308.8	3270.9	3250.0	3238.6	3200.6	3175.9	3132.2
5°	3635.5	3658.3	3645.0	3599.5	3527.3	3476.0	3460.8	3382.9	3312.6	3231.0
7.5°	3960.4	3971.7	3947.1	3888.2	3791.3	3703.9	3690.6	3582.4	3470.3	3344.9
10°	4241.5	4254.8	4216.8	4131.3	4021.1	3912.9	3893.9	3774.2	3641.2	3487.4
12.5°	4477.0	4490.3	4440.9	4338.3	4216.8	4104.7	4085.7	3960.4	3814.1	3643.1
15°	4655.6	4680.2	4613.8	4503.6	4372.5	4260.5	4251.0	4127.5	3985.0	3795.1
17.5°	4760.0	4784.7	4722.0	4589.1	4477.0	4382.0	4370.6	4268.1	4135.1	3952.8
20°	4777.1	4799.9	4733.4	4617.6	4524.5	4448.5	4442.8	4368.7	4271.9	4097.1
22.5°	4725.8	4754.3	4693.5	4600.5	4535.9	4496.0	4488.4	4446.6	4391.5	4243.4
25°	4672.6	4695.4	4649.9	4568.2	4534.0	4530.2	4535.9	4528.3	4516.9	4391.5
27.5°	4668.8	4693.5	4642.3	4564.4	4545.4	4585.3	4591.0	4627.1	4636.6	4526.4
30°	4701.1	4718.2	4668.8	4587.2	4577.7	4668.8	4670.7	4735.3	4750.5	4640.4
32.5°	4771.4	4790.4	4741.0	4621.4	4608.1	4735.3	4741.0	4826.5	4851.2	4761.9
35°	4936.7	4959.5	4902.5	4716.3	4668.8	4798.0	4815.1	4915.8	4965.2	4891.1
37.5°	5348.9	5282.4	5204.5	4908.2	4807.5	4896.8	4925.3	5043.0	5130.4	5044.9
40°	6372.7	6163.7	5920.6	5234.9	5050.6	5107.6	5130.4	5248.2	5367.8	5284.3
42.5°	7909.3	7662.4	7271.1	5987.1	5417.2	5445.7	5462.8	5565.4	5734.4	5668.0
45°	9278.8	9189.5	8790.7	7271.1	6102.9	5962.4	5983.3	6036.5	6285.3	6260.6
47.5°	10331.1	10279.8	9972.1	8745.1	7261.6	6594.9	6653.8	6678.5	7037.5	7124.8
50°	11140.3	11121.3	10845.9	10055.7	8775.5	7527.5	7548.4	7495.2	8032.8	8249.3
52.5°	11903.9	11968.4	11765.2	11273.2	10391.9	8748.9	8745.1	8494.3	9219.9	9546.6
55°	12593.4	12616.1	12637.0	12515.5	12017.8	10139.3	10103.2	9692.9	10597.0	10935.1
57.5°	13241.1	13250.6	13436.7	13685.5	13710.2	11632.2	11565.7	11073.8	12101.4	12342.6
60°	13676.0	13719.7	14112.9	14804.3	15106.3	13172.7	13136.6	12635.1	13632.3	13744.4
62.5°	13049.2	13315.1	14306.7	15678.1	16424.5	14880.3	14863.2	14392.1	15243.1	15151.9
65°	10562.8	11013.0	12756.7	16268.8	17718.1	16787.3	16812.0	16310.6	16897.5	16601.2
67.5°	7388.9	7863.7	9926.5	16316.3	19163.5	19026.8	19169.2	18382.9	18654.5	17989.7
70°	5109.5	5354.5	6697.5	15294.4	20289.9	22111.5	22107.7	20928.1	20402.0	18622.2
72.5°	3436.1	3563.4	4349.7	12133.7	19461.8	23944.5	23834.3	22873.2	20990.8	17416.1
75°	1449.3	1542.4	2013.4	6819.0	15396.9	21906.4	21608.1	20213.9	18650.7	13714.0
77.5°	459.7	499.6	794.0	2440.8	8481.0	16466.3	16151.0	12623.7	12500.3	6879.8
80°	218.4	254.5	446.4	980.1	3337.3	8955.9	8912.2	5726.8	5377.3	1857.7
82.5°	95.0	112.1	246.9	524.2	1493.0	3194.9	3259.5	1948.8	1612.6	704.7
85°	30.4	39.9	114.0	241.2	630.6	794.0	784.5	463.5	649.6	383.7
87.5°	0.0	0.0	38.0	55.1	64.6	45.6	51.3	39.9	180.4	106.4
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°
3048.6	0°	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6	3048.6
3086.6	2.5°	3063.8	3033.4	2980.2	2930.9	2887.2	2843.5	2816.9	2778.9	2775.1	2775.1
3136.0	5°	3084.7	3035.3	2940.3	2839.7	2723.8	2613.6	2503.5	2397.1	2362.9	2338.2
3215.8	7.5°	3145.5	3067.6	2917.6	2725.7	2505.4	2264.1	2095.1	1912.7	1842.5	1804.5
3322.1	10°	3232.9	3126.5	2898.6	2562.4	2205.3	1876.7	1635.4	1437.9	1361.9	1329.6
3438.0	12.5°	3329.7	3198.7	2864.4	2359.1	1876.7	1483.5	1247.9	1156.8	1145.4	1145.4
3576.7	15°	3445.6	3286.0	2805.5	2119.8	1532.9	1173.9	1090.3	1094.1	1105.5	1113.1
3711.5	17.5°	3565.3	3379.1	2712.4	1852.0	1228.9	1056.1	1058.0	1063.7	1073.2	1080.8
3857.8	20°	3694.4	3472.2	2588.9	1567.0	1054.2	1021.9	1027.6	1033.3	1040.9	1044.7
3994.5	22.5°	3833.1	3559.6	2442.7	1287.8	995.3	993.4	995.3	1001.0	1010.5	1010.5
4154.1	25°	3981.2	3656.4	2275.5	1084.6	964.9	964.9	968.7	972.5	980.1	980.1
4308.0	27.5°	4133.2	3745.7	2098.9	978.2	938.3	936.4	936.4	942.1	945.9	947.8
4459.9	30°	4300.4	3850.2	1922.2	955.4	917.4	907.9	902.2	906.0	909.8	911.7
4619.5	32.5°	4471.3	3950.9	1764.6	964.9	896.5	879.4	860.5	856.7	856.7	864.2
4784.7	35°	4661.2	4061.0	1643.0	997.2	885.1	837.7	807.3	790.2	792.1	803.5
4982.3	37.5°	4889.2	4194.0	1553.7	1025.7	877.5	790.2	740.8	719.9	706.6	719.9
5253.9	40°	5187.4	4389.6	1489.2	1048.5	868.0	735.1	668.6	634.4	609.7	617.3
5675.6	42.5°	5626.2	4697.3	1464.5	1050.4	847.2	670.5	594.5	548.9	512.9	514.8
6310.0	45°	6241.6	5183.6	1591.7	1025.7	801.6	600.2	516.7	455.9	433.1	427.4
7257.8	47.5°	7084.9	5892.1	1886.2	974.4	735.1	531.8	440.7	389.4	372.3	362.8
8501.9	50°	8215.1	6801.9	2212.9	917.4	668.6	467.3	378.0	345.7	334.3	324.8
9977.8	52.5°	9525.7	7725.1	2480.7	860.5	602.1	410.3	338.1	319.1	309.6	302.0
11402.4	55°	10728.1	8361.4	2465.5	799.7	537.5	364.7	309.6	298.2	286.8	279.2
12629.4	57.5°	11476.5	8450.7	2032.4	733.2	463.5	328.6	283.0	275.4	262.1	252.6
13691.2	60°	11820.3	7941.6	1424.6	645.8	389.4	294.4	254.5	250.7	233.6	220.3
14696.0	62.5°	11883.0	6995.7	949.7	537.5	324.8	262.1	226.0	220.3	197.5	174.7
15512.8	65°	11628.4	5643.3	657.2	419.8	277.3	227.9	193.7	182.3	157.7	134.9
15706.5	67.5°	10823.1	3962.3	457.8	302.0	235.5	180.4	153.9	150.1	131.1	112.1
14718.8	70°	9347.2	2258.4	305.8	226.0	186.1	123.5	121.6	125.4	106.4	91.2
12025.4	72.5°	*7166.6*	*1033.3*	*189.9*	*165.3*	*127.3*	*83.6*	*96.9*	*98.8*	*81.7*	*68.4*
7502.8	75°	4218.7	442.6	119.7	106.4	64.6	55.1	70.3	72.2	55.1	43.7
2742.8	77.5°	1436.0	167.2	76.0	62.7	32.3	30.4	45.6	45.6	30.4	17.1
550.8	80°	326.7	62.7	38.0	24.7	15.2	13.3	15.2	13.3	7.6	1.9
169.1	82.5°	93.1	24.7	15.2	9.5	5.7	5.7	1.9	0.0	0.0	0.0
58.9	85°	26.6	11.4	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
20.9	87.5°	11.4	1.9	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°
3048.6
2784.6
2349.6
1810.2
1329.6
1145.4
1113.1
1080.8
1046.6
1014.3
982.0
949.7
915.5
869.9
809.2
716.1
613.5
507.2
419.8
357.1
322.9
300.1
275.4
250.7
216.5
163.4
127.3
106.4
83.6
60.8
38.0
13.3
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