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

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: P952408

Luminaire Tested: **GALN-SB6B-735-U-T3R**

Issue Date: 1/21/2025

Report Generated By 670246001

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1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P952408
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6B-735-U-T3R
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35055 lumens
Efficiency:	N/A
Efficacy:	159.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4
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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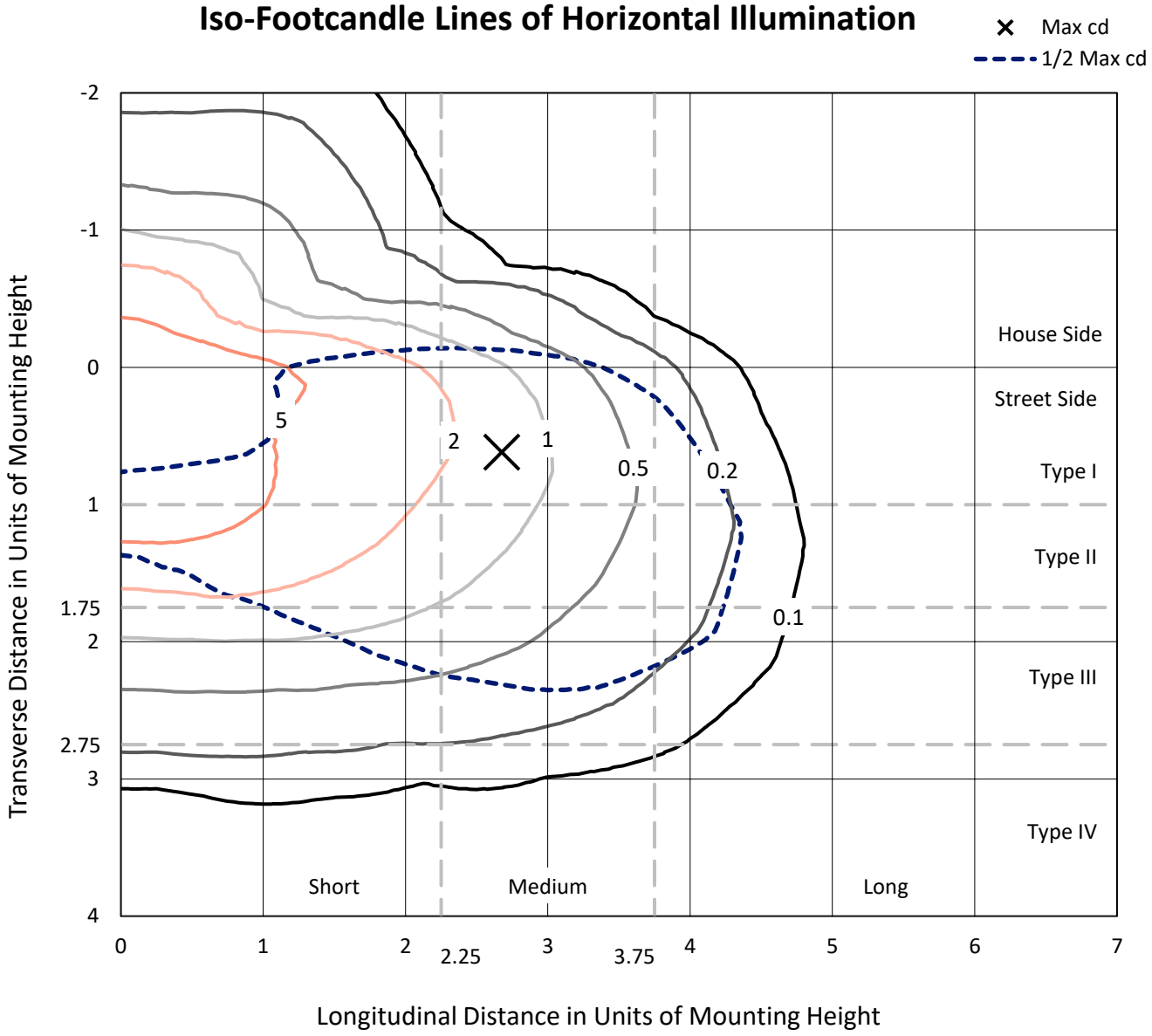
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type III - Medium - N/A

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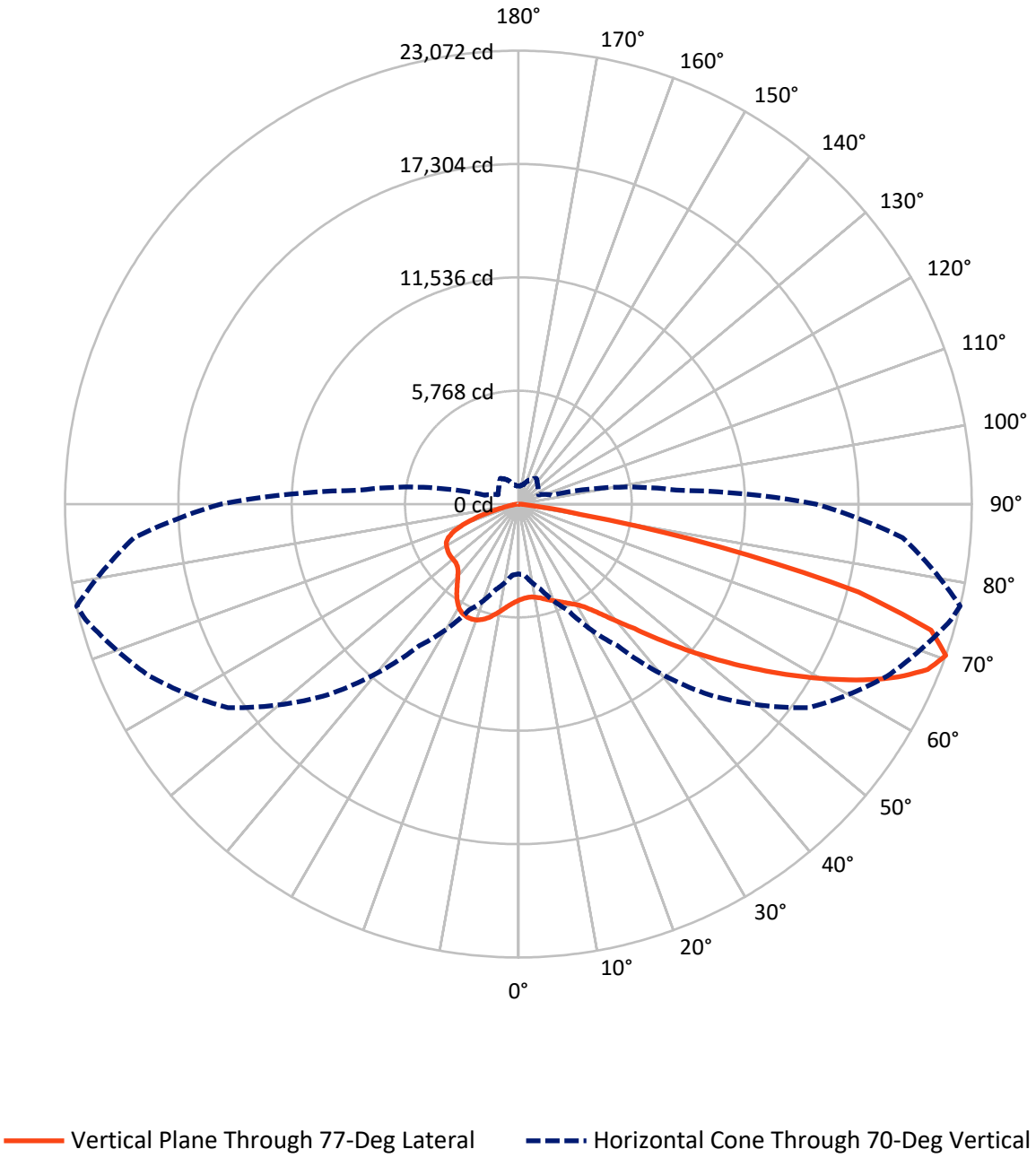
Luminous Intensity Polar Plot



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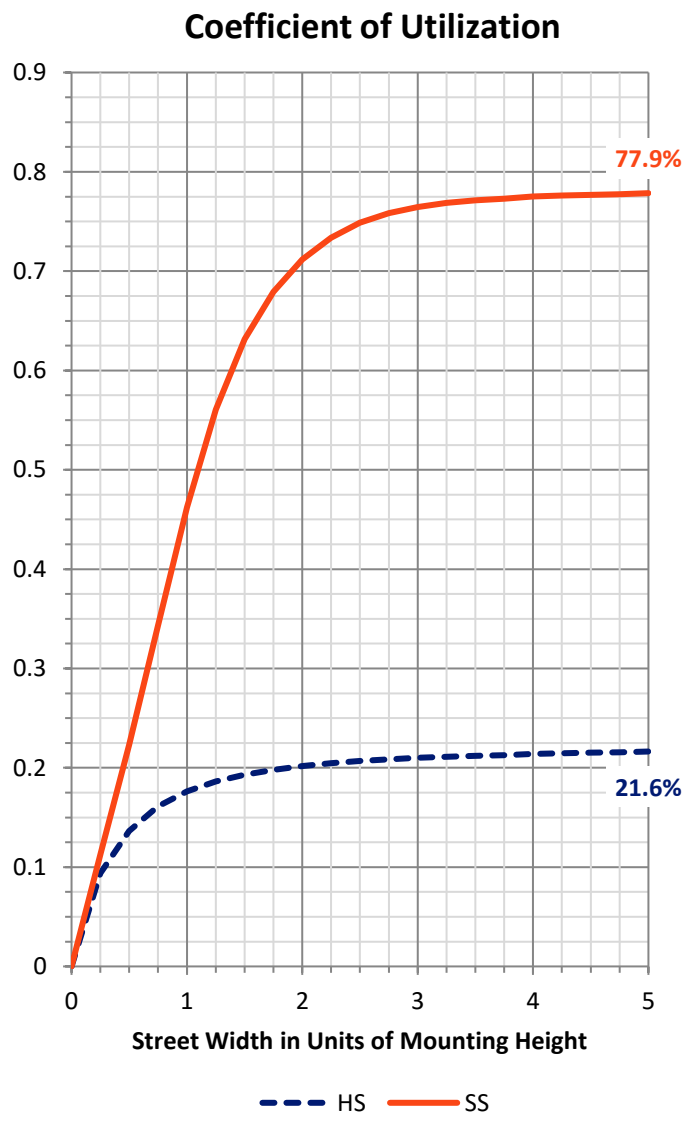
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7676.5	0.0	7676.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27378.5	0.0	27378.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	35055.0	0.0	35055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.4	1.3
10°-20°	1346.1	3.8
20°-30°	2302.1	6.6
30°-40°	3702.0	10.6
40°-50°	5779.8	16.5
50°-60°	7720.4	22.0
60°-70°	8228.7	23.5
70°-80°	5065.6	14.5
80°-90°	443.9	1.3
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°	35055.0	100.0
0°-180°	35055.0	100.0



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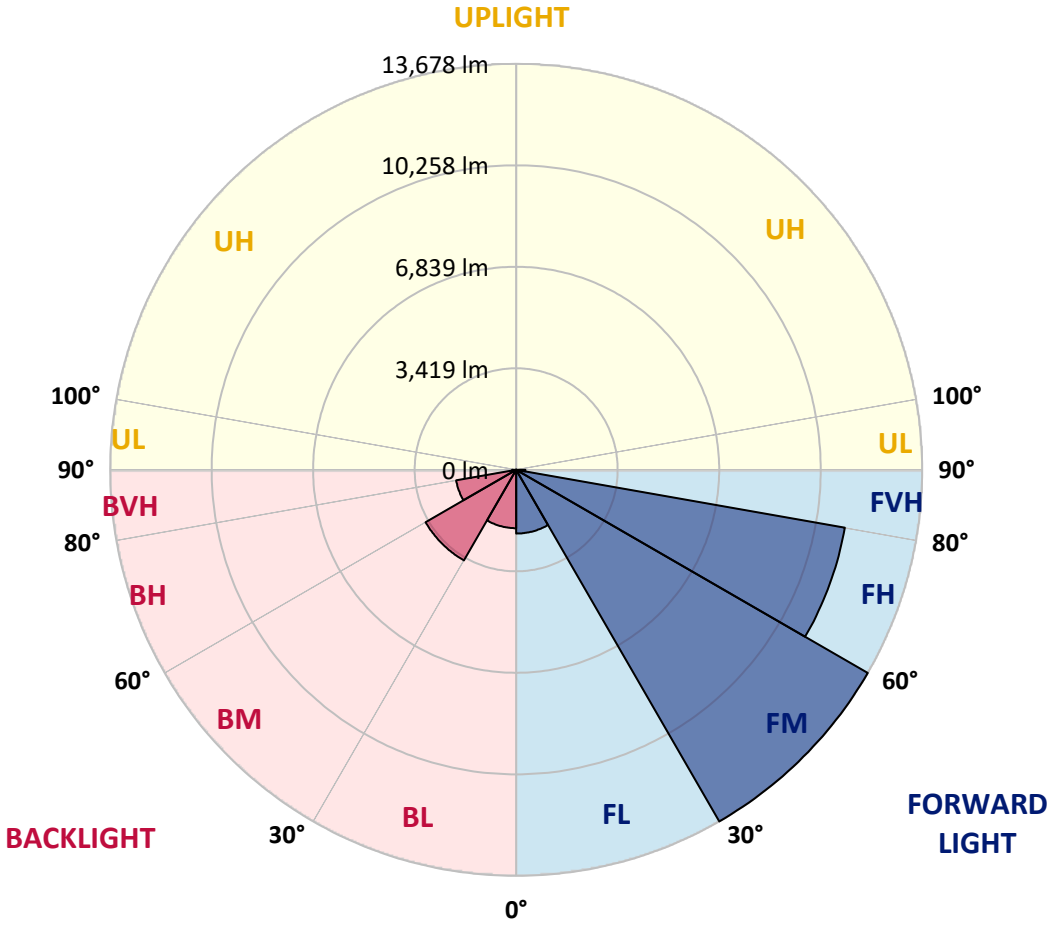
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2147.7	6.1			
FM	(30°-60°)	13677.7	39.0			
FH	(60°-80°)	11242.7	32.1			G4/12000
FVH	(80°-90°)	310.4	0.9			G3/500
BL	(0°-30°)	1967.0	5.6	B3/2500		
BM	(30°-60°)	3524.5	10.1	B3/5000		
BH	(60°-80°)	2051.6	5.9	B3/2500		G3/2500
BVH	(80°-90°)	133.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	*4890.5*
2.5°	4508.1	4506.3	4529.6	4536.8	4579.9	4610.4	4667.9	4728.9	4807.9	*4816.9*
5°	4247.8	4247.8	4274.7	4303.4	4359.1	4420.1	4508.1	4614.0	4750.5	*4772.0*
7.5°	4026.9	4041.3	4064.6	4120.3	4184.9	4272.9	4407.5	4558.4	4737.9	*4772.0*
10°	3849.2	3865.4	3894.1	3939.0	4035.9	4158.0	4333.9	4527.8	4768.4	*4822.3*
12.5°	3793.5	3809.7	3825.9	3860.0	3949.7	4093.4	4303.4	4542.2	4842.0	*4895.9*
15°	3922.8	3942.6	3930.0	3921.0	3967.7	4098.7	4317.8	4594.3	4933.6	*5010.8*
17.5°	4220.8	4228.0	4199.3	4114.9	4107.7	4177.7	4386.0	4666.1	5048.5	*5132.9*
20°	4702.0	4689.4	4630.2	4463.2	4368.0	4353.7	4502.7	4773.8	5167.0	*5256.7*
22.5°	5355.5	5341.1	5222.6	4958.7	4746.9	4606.8	4671.5	4913.8	5299.8	*5400.4*
25°	6170.6	6150.8	5976.7	5617.6	5289.1	4942.6	4901.3	5098.8	5463.2	*5556.6*
27.5°	7122.1	7105.9	6917.4	6443.5	5969.5	5402.2	5186.7	5316.0	5633.8	*5739.7*
30°	8145.4	8192.1	7858.2	7348.3	6748.7	6001.8	5570.9	5583.5	5854.6	*5949.7*
32.5°	9348.3	9429.1	9026.9	8380.6	7562.0	6653.5	6055.7	5956.9	6176.0	*6254.9*
35°	10540.4	10632.0	10298.0	9583.5	8640.9	7421.9	6561.9	6386.0	6603.2	*6689.4*
37.5°	11570.9	11693.0	11520.7	10899.5	9795.3	8348.3	7222.6	6890.5	7129.3	*7237.0*
40°	12384.2	12570.9	12558.4	12170.6	11156.2	9472.2	8061.1	7513.5	7782.8	*7899.5*
42.5°	13044.9	13206.5	13346.5	13326.8	12576.3	10748.7	9046.7	8323.2	8527.8	*8662.5*
45°	13500.9	13673.3	13974.9	14299.8	13942.6	12114.9	10176.0	9283.7	9470.4	*9673.3*
47.5°	13908.5	14104.2	14495.5	15010.8	15102.4	13486.6	11412.9	10402.2	10572.7	*10782.8*
50°	13944.4	14113.1	14720.0	15450.7	15926.4	14804.3	12741.5	11657.1	11816.9	*12041.3*
52.5°	13077.2	13342.9	14402.2	15438.1	16305.2	15906.7	14061.1	12962.3	13141.9	*13411.2*
55°	10150.8	10540.4	13470.4	14956.9	16170.6	16619.4	15316.0	14350.1	14579.9	*14861.8*
57.5°	8743.3	8913.8	10693.0	14080.8	15556.6	16804.3	16375.2	15752.3	16122.1	*16430.9*
60°	7858.2	8000.0	9052.1	12718.2	14748.7	16511.7	17193.9	17059.3	17698.4	*18066.5*
62.5°	6910.2	7044.9	8001.8	10619.4	13714.6	16025.2	17711.0	18265.7	19314.2	*19716.4*
65°	5969.5	6084.4	7001.8	8922.8	12400.4	15538.6	17978.5	19308.8	20809.7	*21226.2*
67.5°	4921.0	5016.2	5883.3	7527.8	10802.5	14872.6	18111.3	20129.3	22111.3	*22468.6*
70°	*3551.2*	*3624.8*	*4520.7*	*5953.3*	*8797.1*	*13727.1*	*18057.5*	*20711.0*	*22786.4*	*23071.8*
72.5°	1678.6	1745.1	2797.1	3865.4	6213.7	11497.3	16967.7	20249.6	22100.6	*21958.7*
75°	895.9	953.3	1606.8	2120.3	3281.9	7881.5	13885.1	17443.5	18558.4	*17869.0*
77.5°	606.8	651.7	994.6	1272.9	1499.1	3741.5	8924.6	12077.2	11619.4	*10481.2*
80°	481.1	527.8	815.1	861.8	725.3	1351.9	3687.6	5590.7	4016.2	*3211.9*
82.5°	369.8	421.9	685.8	624.8	395.0	554.8	1073.6	1768.4	1028.7	*782.8*
85°	226.2	281.9	538.6	398.6	222.6	253.1	364.5	491.9	314.2	*262.1*
87.5°	114.9	161.6	272.9	145.4	100.5	59.2	96.9	96.9	82.6	*71.8*
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°
4890.5	0°	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5
4865.4	2.5°	4908.4	4944.4	5005.4	5062.8	5107.7	5150.8	5193.9	5217.2	5224.4	5253.1
4892.3	5°	4965.9	5032.3	5150.8	5262.1	5332.1	5375.2	5405.8	5423.7	5427.3	5436.3
4965.9	7.5°	5071.8	5177.7	5342.9	5454.2	5506.3	5502.7	5490.1	5445.3	5427.3	5411.1
5073.6	10°	5220.8	5360.9	5563.7	5640.9	5608.6	5522.5	5411.1	5280.1	5219.0	5159.8
5220.8	12.5°	5405.8	5583.5	5782.8	5779.2	5619.4	5398.6	5140.0	4939.0	4811.5	4719.9
5402.2	15°	5630.2	5834.8	5987.4	5865.4	5515.3	5118.5	4739.7	4477.6	4362.7	4262.1
5585.3	17.5°	5861.8	6080.8	6150.8	5838.4	5253.1	4703.8	4274.7	4068.2	3955.1	3901.3
5782.8	20°	6088.0	6305.2	6247.8	5684.0	4854.6	4233.4	3851.0	3737.9	3714.5	3727.1
5974.9	22.5°	6326.8	6520.7	6267.5	5386.0	4346.5	3752.2	3542.2	3545.8	3597.9	3635.6
6176.0	25°	6570.9	6702.0	6215.4	4955.1	3800.7	3398.6	3346.5	3404.0	3506.3	3579.9
6402.2	27.5°	6806.1	6863.6	6102.3	4421.9	3332.1	3145.4	3154.4	3272.9	3427.3	3529.6
6676.9	30°	7071.8	7007.2	5885.1	3822.3	3007.2	2928.2	3003.6	3141.8	3296.2	3387.8
7023.4	32.5°	7371.6	7131.1	5540.4	3267.5	2777.4	2754.0	2877.9	2967.7	3035.9	3062.8
7483.0	35°	7745.1	7305.2	5098.8	2877.9	2570.9	2626.6	2745.1	2700.2	2673.3	2658.9
8100.6	37.5°	8229.8	7540.4	4581.7	2624.8	2404.0	2535.0	2583.5	2443.5	2337.5	2285.5
8849.2	40°	8813.3	7885.1	4084.4	2429.1	2298.0	2456.0	2371.6	2202.9	2068.2	1994.6
9691.2	42.5°	9461.4	8246.0	3666.1	2281.9	2238.8	2391.4	2215.4	2014.4	1797.1	1773.8
10694.8	45°	10141.8	8617.6	3380.6	2168.8	2210.1	2335.7	2125.7	1800.7	1646.3	1741.5
11702.0	47.5°	10822.3	8958.7	3208.3	2084.4	2195.7	2272.9	2046.7	1682.2	1572.7	1711.0
12781.0	50°	11579.9	9263.9	3131.1	2023.3	2179.5	2247.8	1928.2	1651.7	1495.5	1587.1
13897.7	52.5°	12332.2	9500.9	3073.6	1962.3	2156.2	2228.0	1870.7	1615.8	1402.2	1407.5
15021.6	55°	13082.6	9655.3	3010.8	1881.5	2104.1	2184.9	1865.4	1576.3	1332.1	1307.0
16210.1	57.5°	13883.3	9743.3	2933.6	1791.7	2014.4	2075.4	1860.0	1545.8	1310.6	1269.3
17425.5	60°	14698.4	9872.5	2833.0	1682.2	1894.1	1944.3	1847.4	1535.0	1298.0	1228.0
18570.9	62.5°	15429.1	9917.4	2712.8	1578.1	1739.7	1815.1	1820.5	1526.0	1263.9	1143.6
19522.5	65°	15908.5	9723.5	2502.7	1459.6	1572.7	1682.2	1768.4	1495.5	1202.9	1082.6
19992.8	67.5°	15888.7	9170.6	2174.2	1307.0	1411.1	1535.0	1693.0	1443.4	1129.3	1007.2
19637.4	70°	*15149.0*	*8079.0*	*1757.6*	*1129.3*	*1233.4*	*1377.0*	*1596.1*	*1366.2*	*1041.3*	*924.6*
17461.4	72.5°	12992.8	6323.2	1276.5	921.0	1026.9	1213.6	1470.4	1272.9	951.5	851.0
12904.9	75°	9281.9	4001.8	865.4	707.4	798.9	1028.7	1314.2	1163.4	868.9	854.6
6463.2	77.5°	4741.5	1912.0	572.7	517.1	556.6	811.5	1104.1	1039.5	881.5	705.6
1838.4	80°	1542.2	705.6	360.9	351.9	369.8	540.4	854.6	852.8	667.9	479.4
445.2	82.5°	491.9	303.4	235.2	226.2	217.2	339.3	596.1	675.0	450.6	303.4
159.8	85°	195.7	181.3	138.2	127.5	91.6	159.8	312.4	448.8	335.7	219.0
41.3	87.5°	71.8	71.8	37.7	26.9	19.7	53.9	84.4	134.7	192.1	113.1
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

180°
4890.5
5269.3
5450.6
5414.7
5141.8
4698.4
4251.4
3917.4
3721.7
3644.5
3599.6
3554.8
3409.3
3077.2
2673.3
2298.0
2000.0
1797.1
1791.7
1775.6
1655.3
1445.2
1325.0
1274.7
1233.4
1143.6
1082.6
1012.6
935.4
845.6
806.1
628.4
423.7
301.6
224.4
111.3
0.0

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