

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: P531956

Luminaire Tested: **GALN-SA7B-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7B-735-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27496 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

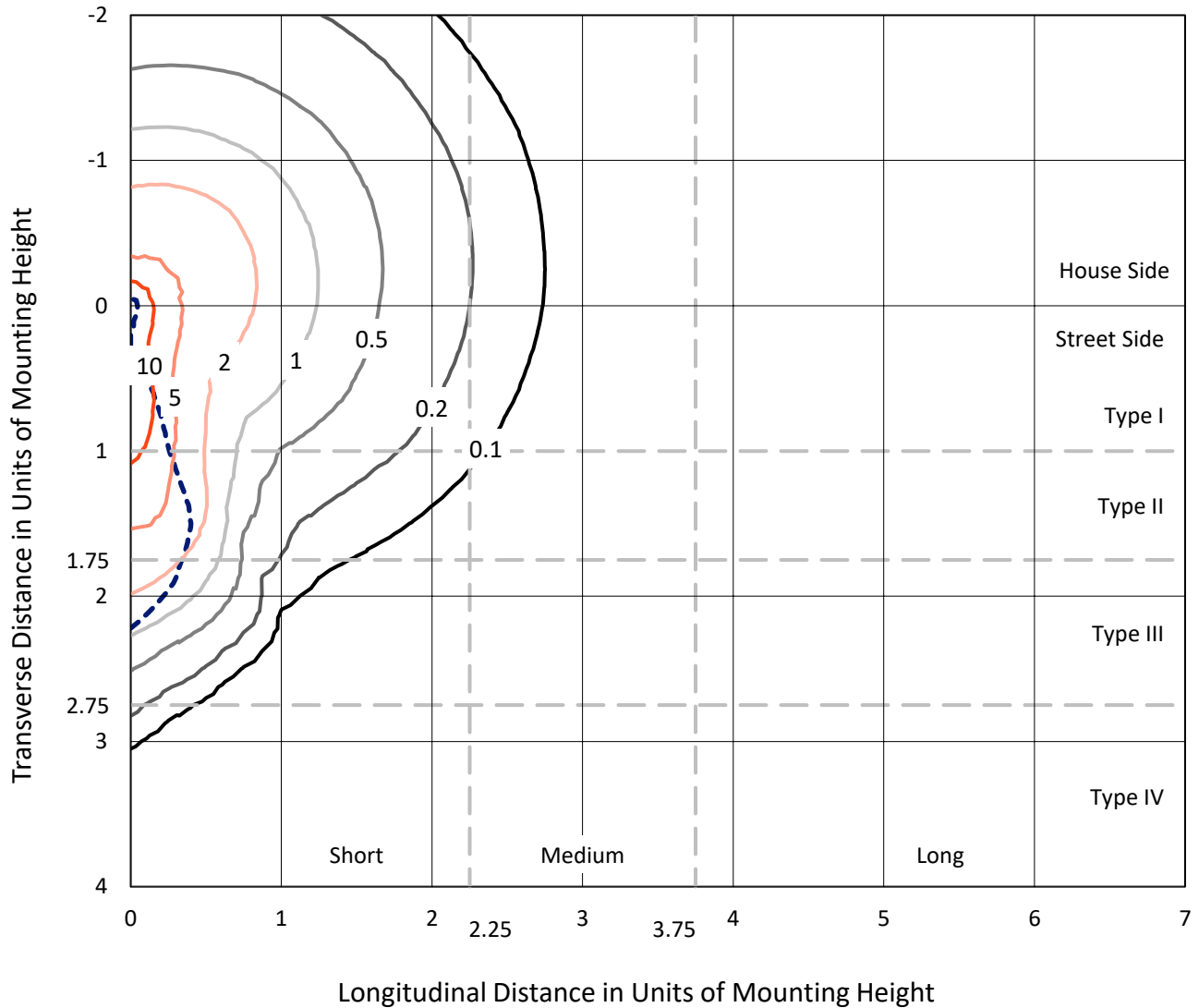
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

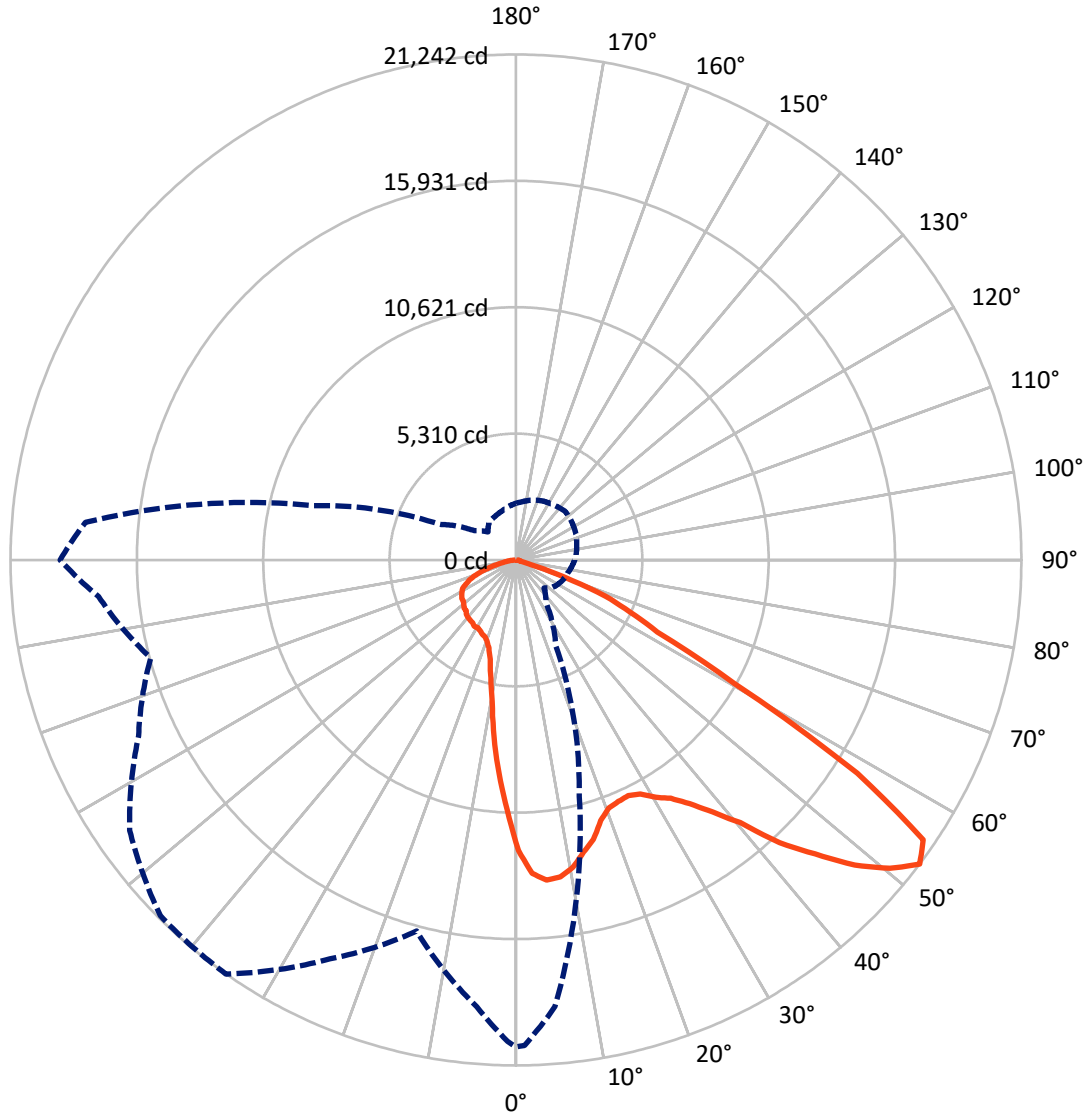
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8288.9	0.0	8288.9
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	19207.1	0.0	19207.1
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	27496.0	0.0	27496.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	931.0	3.4
10°-20°	2018.2	7.3
20°-30°	3049.4	11.1
30°-40°	4406.4	16.0
40°-50°	5864.2	21.3
50°-60°	6559.3	23.9
60°-70°	3696.7	13.4
70°-80°	824.1	3.0
80°-90°	146.7	0.5
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°	27496.0	100.0
0°-180°	27496.0	100.0

**Coefficient of Utilization**



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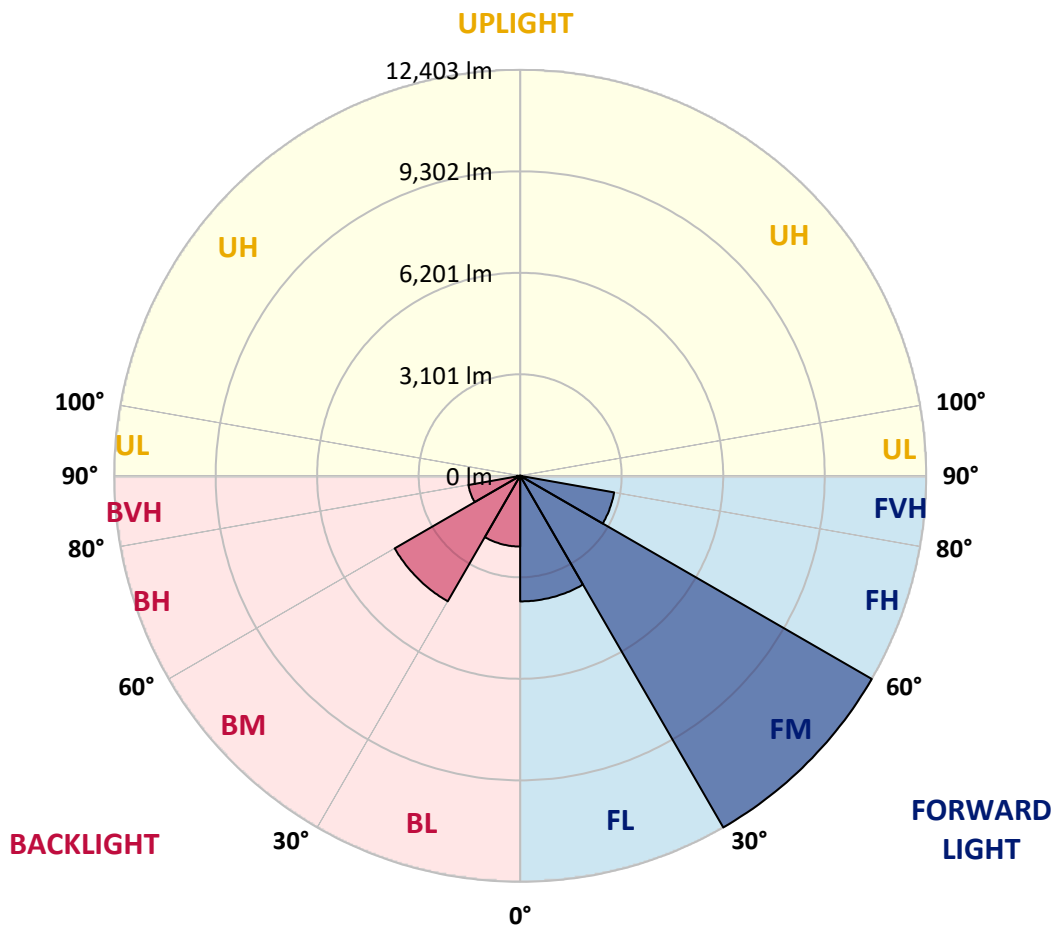
CATALOG NUMBER: GALN-SA7B-735-U-SLR-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3837.0	14.0			
FM (30°-60°)	12402.8	45.1			
FH (60°-80°)	2914.2	10.6			G2/5000
FVH (80°-90°)	53.1	0.2			G1/100
BL (0°-30°)	2161.5	7.9	B3/2500		
BM (30°-60°)	4427.1	16.1	B3/5000		
BH (60°-80°)	1606.6	5.8	B3/2500		G3/2500
BVH (80°-90°)	93.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9
2.5°	12406.1	12605.4	12390.2	12007.6	11736.6	11489.5	11230.5	11178.7	10839.9	10780.2	10533.1
5°	11700.7	11656.9	11393.9	10891.7	10337.8	9835.6	9465.0	9106.3	8863.2	8580.3	8560.4
7.5°	10843.9	10588.9	10437.4	9676.2	8990.8	8201.7	7862.9	7317.0	7145.6	6890.5	6759.0
10°	10078.7	9891.4	9536.7	8775.6	7819.1	7297.0	6934.4	6639.5	6440.2	6177.2	5846.4
12.5°	9700.1	9624.4	9225.9	8046.3	7336.9	6778.9	6523.9	6236.9	5898.2	5475.8	5312.4
15°	9767.9	9512.8	9210.0	7906.8	6926.4	6388.4	5981.9	5623.2	5188.8	4786.3	4551.2
17.5°	10274.0	10078.7	9473.0	7994.4	6771.0	5993.8	5256.6	4726.5	4336.0	3973.3	3809.9
20°	11270.3	10987.4	10305.9	8106.0	6436.2	5443.9	4599.0	3945.4	3527.0	3335.7	3279.9
22.5°	12374.3	12206.9	11118.9	8357.1	6169.2	4933.8	3901.6	3248.0	3092.6	3040.8	3144.4
25°	13717.3	13282.9	12382.2	8767.6	5962.0	4499.4	3311.8	2949.1	2869.4	2921.2	3040.8
27.5°	14737.5	14622.0	13267.0	9154.2	5679.0	3977.3	2981.0	2741.9	2765.8	2817.6	2929.2
30°	15949.0	15363.2	14123.8	9421.2	5424.0	3618.6	2749.8	2686.1	2710.0	2797.7	2853.5
32.5°	16678.4	16459.2	14661.8	9823.7	5129.0	3307.8	2570.5	2510.7	2546.6	2678.1	2809.6
35°	17606.9	17172.5	15327.3	9927.3	4921.8	3184.2	2443.0	2399.1	2482.8	2574.5	2721.9
37.5°	18690.9	18392.0	16247.9	9855.6	4810.2	3056.7	2335.4	2315.4	2375.2	2502.7	2674.1
40°	19332.5	19240.9	16730.2	9899.4	4634.9	2945.1	2211.8	2235.7	2359.3	2458.9	2626.3
42.5°	19950.3	19352.5	17443.5	9883.5	4523.3	2793.7	2223.8	2195.9	2291.5	2407.1	2566.5
45°	20085.8	19492.0	17610.9	9771.9	4387.8	2646.2	2132.1	2144.1	2259.6	2403.1	2506.7
47.5°	19998.1	19559.7	17921.8	9740.0	4260.3	2542.6	1996.6	2140.1	2207.8	2323.4	2470.9
50°	19938.3	19914.4	18184.8	9891.4	4088.9	2379.2	1833.2	2088.3	2156.0	2271.6	2431.0
52.5°	20464.4	20412.5	18842.4	10290.0	3953.4	2203.9	1665.8	1956.8	2120.2	2231.8	2387.2
55°	20783.2	20556.0	19970.2	10780.2	3726.2	1972.7	1550.3	1793.4	2032.5	2132.1	2291.5
57.5°	18694.9	18539.5	18065.2	10062.8	3343.6	1669.8	1406.8	1626.0	1912.9	2068.4	2231.8
60°	15554.5	15311.4	14095.9	8552.4	2466.9	1299.2	1319.1	1494.5	1881.0	1940.8	2132.1
62.5°	14665.8	14064.0	12410.1	6882.6	1893.0	1115.9	1183.6	1374.9	1713.7	1813.3	2004.6
65°	11637.0	11190.6	8879.2	4969.6	1267.3	968.4	1080.0	1239.4	1478.5	1673.8	1849.2
67.5°	7285.1	6858.6	4738.5	2351.3	884.7	828.9	964.4	1131.8	1327.1	1502.4	1697.7
70°	3805.9	3339.7	2187.9	848.9	609.7	677.5	805.0	964.4	1155.7	1299.2	1450.6
72.5°	1418.8	1151.7	713.4	366.6	422.4	518.1	653.6	769.2	904.7	1080.0	1163.7
75°	219.2	187.3	183.3	223.2	286.9	374.6	466.3	581.8	701.4	813.0	868.8
77.5°	103.6	99.6	111.6	147.5	191.3	267.0	338.7	450.3	546.0	617.7	649.6
80°	67.7	63.8	71.7	99.6	143.5	199.3	271.0	346.7	434.4	494.2	486.2
82.5°	39.9	43.8	43.8	67.7	99.6	143.5	195.3	263.0	322.8	374.6	342.7
85°	23.9	19.9	19.9	39.9	67.7	115.6	163.4	111.6	115.6	115.6	131.5
87.5°	8.0	8.0	8.0	4.0	8.0	8.0	12.0	19.9	23.9	27.9	35.9
90°	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9
2.5°	10525.1	10648.6	10604.8	10449.4	10568.9	10588.9	10509.2	10784.1	10835.9	10752.3	10776.2
5°	8532.5	8564.3	8636.1	8787.5	8895.1	9022.6	9022.6	9030.6	8923.0	9194.0	9114.3
7.5°	6647.4	6667.4	6751.0	7073.9	7165.5	7408.6	7512.2	7440.5	7225.3	7133.6	7209.4
10°	5738.8	5623.2	5595.3	5635.2	5842.4	5946.0	6033.7	6009.8	5973.9	5902.2	5822.5
12.5°	5133.0	5049.3	4981.6	4885.9	4897.9	4997.5	5065.3	5009.5	5025.4	5041.4	5065.3
15°	4475.5	4415.7	4379.8	4236.3	4220.4	4288.1	4312.1	4343.9	4403.7	4407.7	4379.8
17.5°	3778.0	3726.2	3805.9	3885.6	3829.8	3833.8	3877.7	3905.6	3889.6	3817.9	3782.0
20°	3299.8	3355.6	3435.3	3511.0	3570.8	3606.7	3622.6	3578.8	3527.0	3379.5	3375.5
22.5°	3160.3	3232.1	3299.8	3415.4	3471.2	3562.8	3479.1	3379.5	3307.8	3236.0	3152.3
25°	3056.7	3116.5	3252.0	3295.8	3403.4	3479.1	3419.4	3319.7	3196.2	3092.6	3028.8
27.5°	2981.0	3048.7	3136.4	3256.0	3339.7	3383.5	3323.7	3283.9	3156.3	3032.8	2941.1
30°	2933.2	3004.9	3164.3	3263.9	3335.7	3371.5	3267.9	3220.1	3128.4	3024.8	2945.1
32.5°	2901.3	2965.0	3100.5	3228.1	3275.9	3275.9	3291.8	3236.0	3108.5	2933.2	2865.4
35°	2797.7	2885.3	2996.9	3144.4	3232.1	3283.9	3204.2	3140.4	3056.7	2877.4	2753.8
37.5°	2737.9	2797.7	2941.1	3080.6	3156.3	3212.1	3180.2	3068.7	2957.1	2809.6	2710.0
40°	2674.1	2769.8	2897.3	3028.8	3112.5	3168.3	3144.4	3012.9	2877.4	2737.9	2670.1
42.5°	2630.3	2694.0	2825.6	2973.0	3072.6	3180.2	3108.5	2945.1	2849.5	2658.2	2582.5
45°	2594.4	2698.0	2837.5	2897.3	3000.9	3112.5	2985.0	2885.3	2773.7	2634.3	2570.5
47.5°	2550.6	2646.2	2737.9	2897.3	2945.1	2996.9	2973.0	2813.6	2718.0	2566.5	2522.7
50°	2534.6	2570.5	2737.9	2825.6	2893.3	2945.1	2881.3	2761.8	2670.1	2514.7	2419.1
52.5°	2470.9	2538.6	2646.2	2761.8	2845.5	2909.2	2805.6	2729.9	2606.4	2443.0	2383.2
55°	2391.2	2431.0	2622.3	2741.9	2785.7	2829.5	2789.7	2666.1	2538.6	2371.2	2311.5
57.5°	2287.5	2379.2	2534.6	2702.0	2757.8	2781.7	2718.0	2618.3	2458.9	2311.5	2215.8
60°	2179.9	2275.6	2447.0	2582.5	2638.2	2725.9	2630.3	2570.5	2387.2	2223.8	2120.2
62.5°	2072.3	2179.9	2307.5	2478.8	2526.7	2562.5	2538.6	2454.9	2307.5	2124.1	1996.6
65°	1944.8	2024.5	2183.9	2271.6	2303.5	2387.2	2303.5	2271.6	2140.1	1964.7	1857.1
67.5°	1753.5	1821.3	1960.8	2044.4	2068.4	2104.2	2100.2	2064.4	1916.9	1797.4	1701.7
70°	1534.3	1594.1	1681.8	1781.4	1793.4	1837.2	1797.4	1789.4	1693.7	1530.3	1478.5
72.5°	1231.4	1287.2	1402.8	1446.7	1450.6	1466.6	1446.7	1418.8	1394.8	1223.5	1171.7
75°	944.5	976.4	1032.2	1072.0	1072.0	1092.0	1080.0	1052.1	988.3	880.7	828.9
77.5°	657.6	689.5	761.2	785.1	781.1	789.1	753.2	725.3	629.7	573.9	530.0
80°	478.2	498.2	534.0	550.0	554.0	565.9	522.1	498.2	442.4	378.6	358.7
82.5°	346.7	358.7	362.7	382.6	382.6	362.7	350.7	326.8	286.9	247.1	231.1
85°	143.5	147.5	151.4	175.4	179.3	215.2	199.3	187.3	163.4	139.5	127.5
87.5°	35.9	39.9	51.8	43.8	51.8	51.8	55.8	63.8	63.8	51.8	51.8
90°	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9
2.5°	10867.8	10899.7	11306.2	11358.0	11557.3	11760.5	12171.0	12465.9	12705.0	12860.5	12904.3
5°	9198.0	9401.2	9588.6	9891.4	10166.4	10557.0	11007.3	11565.3	12266.7	12625.3	12768.8
7.5°	7201.4	7440.5	7711.5	8006.4	8408.9	9110.3	9712.1	10357.7	11254.4	11625.0	12187.0
10°	5878.3	6145.3	6504.0	6731.1	7217.3	7886.8	8588.3	9333.5	10190.3	10724.4	11374.0
12.5°	5196.8	5416.0	5746.8	6225.0	6587.6	7022.0	7544.1	8484.6	9712.1	10218.2	10664.6
15°	4443.6	4686.7	5069.3	5599.3	6033.7	6551.8	7137.6	8161.8	9469.0	10250.1	10628.7
17.5°	3821.9	3997.2	4399.7	4858.0	5356.2	5922.1	6763.0	8145.9	9724.1	10724.4	11342.1
20°	3391.5	3415.4	3634.6	4025.1	4702.6	5439.9	6531.9	8066.2	10541.0	11541.3	12322.5
22.5°	3120.5	3096.6	3100.5	3431.3	3905.6	4965.6	6169.2	8337.2	11469.6	12840.5	13366.6
25°	2985.0	2921.2	2881.3	2953.1	3383.5	4403.7	5894.2	8695.9	12469.9	13912.6	14558.2
27.5°	2913.2	2801.6	2721.9	2733.9	3048.7	4120.8	5722.8	8851.3	13462.2	15407.1	15634.2
30°	2885.3	2745.9	2630.3	2590.4	2797.7	3726.2	5356.2	9118.3	14351.0	16228.0	16423.3
32.5°	2785.7	2614.3	2502.7	2466.9	2550.6	3379.5	5093.2	9309.6	15136.1	17120.7	17053.0
35°	2670.1	2526.7	2387.2	2319.4	2379.2	3156.3	4882.0	9217.9	16060.6	17814.2	17778.3
37.5°	2658.2	2470.9	2355.3	2243.7	2239.7	2881.3	4595.0	9305.6	16650.5	19057.6	18567.4
40°	2554.6	2435.0	2283.6	2191.9	2140.1	2741.9	4316.0	9098.4	17515.3	19559.7	19077.5
42.5°	2558.5	2379.2	2247.7	2140.1	2088.3	2538.6	4124.8	9042.6	17818.1	20376.7	19316.6
45°	2494.8	2319.4	2207.8	2080.3	2052.4	2383.2	3941.4	8783.5	18352.2	20416.5	19017.7
47.5°	2431.0	2275.6	2156.0	2004.6	1940.8	2327.4	3798.0	8568.3	18073.2	20041.9	18603.2
50°	2387.2	2207.8	2096.3	1988.6	1809.3	2231.8	3610.7	8516.5	17682.6	19535.8	17834.1
52.5°	2311.5	2152.0	2036.5	1952.8	1665.8	2144.1	3538.9	8819.4	18160.9	19157.2	17610.9
55°	2239.7	2076.3	1928.9	1765.5	1546.3	1912.9	3339.7	9102.4	18858.3	20030.0	18623.2
57.5°	2164.0	2008.6	1849.2	1653.9	1430.7	1673.8	3132.4	9154.2	17551.1	18511.6	17678.7
60°	2064.4	1865.1	1745.5	1490.5	1307.2	1386.9	2482.8	8070.2	13613.7	15458.9	15486.8
62.5°	1952.8	1737.6	1634.0	1335.1	1179.6	1195.6	2024.5	6782.9	11043.2	12796.7	13557.9
65°	1805.3	1598.1	1474.5	1235.4	1088.0	1036.2	1482.5	4969.6	8389.0	10381.6	11246.4
67.5°	1614.0	1418.8	1263.3	1076.0	972.4	888.7	1012.3	2797.7	4953.7	6970.2	7233.3
70°	1410.8	1243.4	1080.0	924.6	809.0	749.2	741.3	1239.4	2367.2	3750.1	4268.2
72.5°	1111.9	992.3	860.8	745.2	669.5	581.8	530.0	514.1	801.0	1526.4	2108.2
75°	797.1	697.4	621.7	546.0	490.2	442.4	402.5	366.6	334.8	382.6	526.1
77.5°	502.1	466.3	406.5	386.6	354.7	342.7	326.8	306.9	283.0	267.0	267.0
80°	338.7	314.8	294.9	290.9	279.0	275.0	279.0	259.0	235.1	215.2	223.2
82.5°	227.2	223.2	219.2	215.2	219.2	223.2	231.1	227.2	207.2	195.3	199.3
85°	135.5	143.5	151.4	159.4	175.4	155.4	127.5	107.6	95.6	87.7	83.7
87.5°	51.8	71.7	63.8	59.8	63.8	59.8	55.8	51.8	43.8	39.9	39.9
90°	0.0	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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9	12202.9
2.5°	13195.2	13274.9	13342.7	13326.7	13187.3	12999.9	12924.2	12537.7	12458.0	12406.1
5°	13374.6	13836.9	13936.5	13876.7	13514.0	13055.7	12609.4	12043.5	11712.7	11700.7
7.5°	13043.8	13613.7	13793.0	13928.5	13446.3	12649.2	11884.1	11035.2	10828.0	10843.9
10°	12202.9	13111.5	13553.9	13693.4	13139.4	12450.0	11389.9	10529.1	10086.7	10078.7
12.5°	11736.6	12450.0	12573.5	12768.8	12605.4	11908.0	11103.0	10138.5	9708.1	9700.1
15°	11322.1	11792.4	11828.3	12103.3	12190.9	11720.7	11178.7	10150.5	9803.8	9767.9
17.5°	11684.8	11358.0	11222.5	11258.4	11517.4	11688.8	11617.1	10828.0	10473.3	10274.0
20°	11927.9	11198.6	10788.1	10828.0	11134.8	11760.5	12270.6	11808.4	11246.4	11270.3
22.5°	12577.5	11222.5	10580.9	10537.1	11023.3	12135.1	13007.9	13047.8	12505.8	12374.3
25°	13549.9	11497.5	10517.1	10505.2	10971.4	12537.7	13868.7	14514.3	13960.4	13717.3
27.5°	14331.0	11927.9	10716.4	10756.2	11134.8	12864.4	14602.0	15458.9	15036.4	14737.5
30°	15016.5	12374.3	10995.4	10812.0	11573.2	13035.8	14916.9	16534.9	16196.1	15949.0
32.5°	15299.4	13007.9	11437.7	11134.8	11935.9	13243.0	15570.4	17579.0	17288.1	16678.4
35°	15777.7	13362.6	11676.8	11652.9	12569.5	13741.2	15877.3	18268.5	18148.9	17606.9
37.5°	16160.3	13721.3	12525.7	12262.7	13438.3	14578.1	16371.5	19221.0	18946.0	18690.9
40°	16455.2	14362.9	13318.8	13665.5	14506.4	15339.3	16825.8	19280.7	20073.8	19332.5
42.5°	16184.2	14936.8	14622.0	15450.9	16247.9	16208.1	16877.6	19743.0	20336.8	19950.3
45°	16116.4	15909.2	16682.3	17435.6	17618.9	16929.4	16507.0	19232.9	20257.1	20085.8
47.5°	15953.0	16865.7	18212.7	19440.1	19161.2	17411.6	16064.6	19141.2	20304.9	19998.1
50°	15897.2	17072.9	19344.5	20540.1	20372.7	17830.1	15857.4	18551.4	19966.2	19938.3
52.5°	15893.3	17499.3	19814.8	21137.9	21241.5	18491.6	16140.3	18850.3	20229.2	20464.4
55°	16072.6	17363.8	19755.0	20807.1	20767.2	18196.7	16172.2	19049.6	20552.0	20783.2
57.5°	15160.0	15554.5	16303.7	17136.7	16921.5	15072.3	14442.6	17610.9	18862.3	18694.9
60°	13091.6	11856.2	11011.3	10971.4	10553.0	9975.1	11820.3	15717.9	15717.9	15554.5
62.5°	11465.6	7783.2	6687.3	6376.4	6675.3	7340.9	11401.9	15287.5	14853.1	14665.8
65°	10026.9	5942.0	4834.1	4746.5	5264.5	6268.8	10309.9	13023.9	12258.7	11637.0
67.5°	6452.2	4351.9	3594.7	3439.3	4065.0	4603.0	6862.6	8010.4	7528.2	7285.1
70°	4160.6	2833.5	2000.6	1877.1	2120.2	2837.5	4383.8	4670.7	3969.3	3805.9
72.5°	1968.7	1223.5	701.4	577.9	649.6	1084.0	1733.6	1865.1	1550.3	1418.8
75°	625.7	450.3	286.9	247.1	235.1	279.0	398.5	306.9	223.2	219.2
77.5°	279.0	267.0	227.2	191.3	167.4	139.5	115.6	95.6	99.6	103.6
80°	231.1	211.2	187.3	167.4	139.5	107.6	83.7	63.8	63.8	67.7
82.5°	203.2	183.3	163.4	139.5	119.6	87.7	63.8	43.8	39.9	39.9
85°	87.7	103.6	111.6	119.6	95.6	71.7	43.8	27.9	23.9	23.9
87.5°	35.9	31.9	27.9	23.9	19.9	19.9	15.9	12.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)