

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: P459543

Luminaire Tested: **GALN-SA9D-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9D-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56313 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

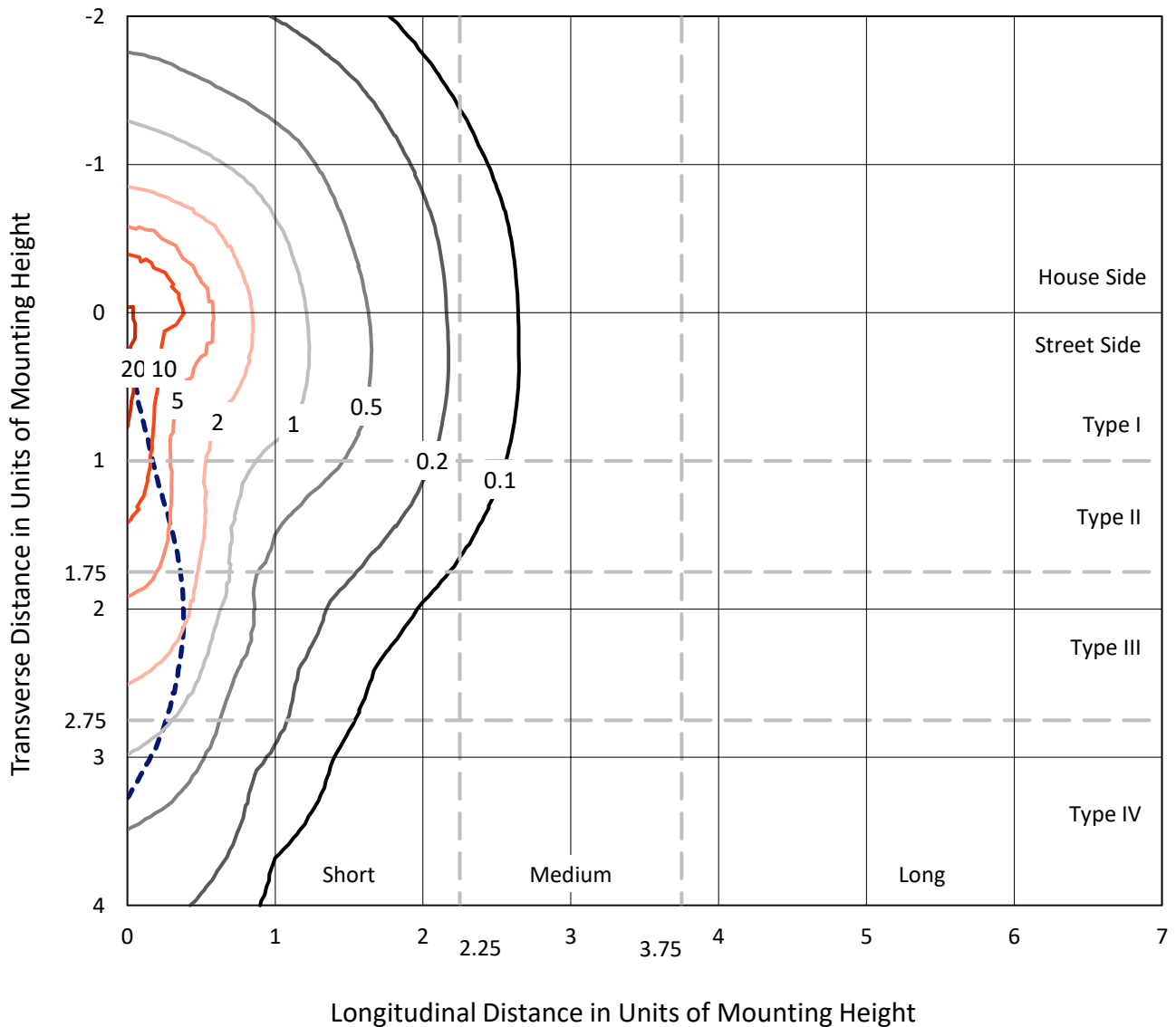
Input Watts (W): 552
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

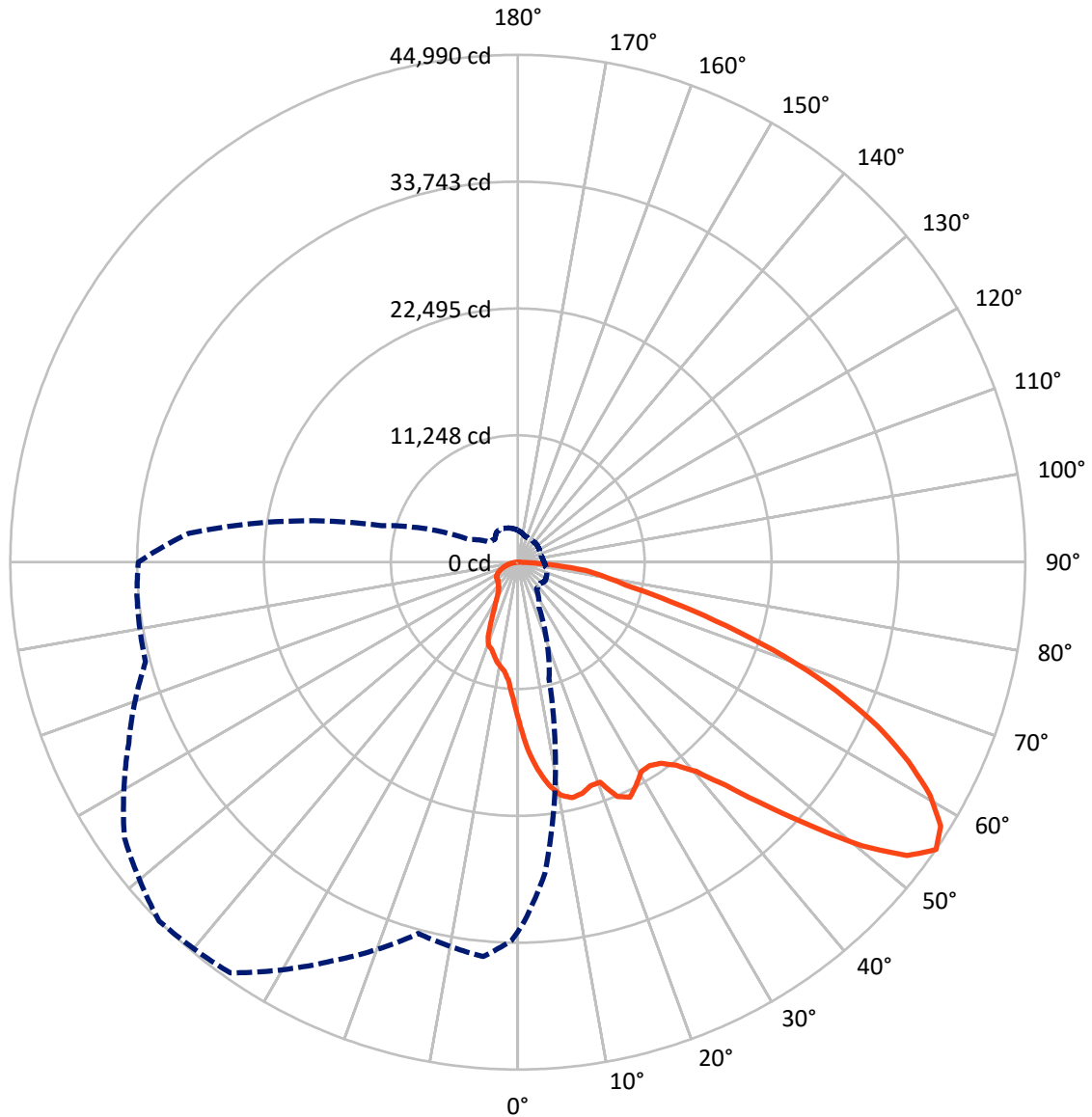
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12318.2	0.0	12318.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	43994.8	0.0	43994.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	56313.0	0.0	56313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1197.8	2.1
10°-20°	3177.7	5.6
20°-30°	5489.6	9.7
30°-40°	6379.8	11.3
40°-50°	8901.1	15.8
50°-60°	12077.8	21.4
60°-70°	11490.6	20.4
70°-80°	6207.5	11.0
80°-90°	1391.2	2.5
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°	56313.0	100.0
0°-180°	56313.0	100.0

Coefficient of Utilization



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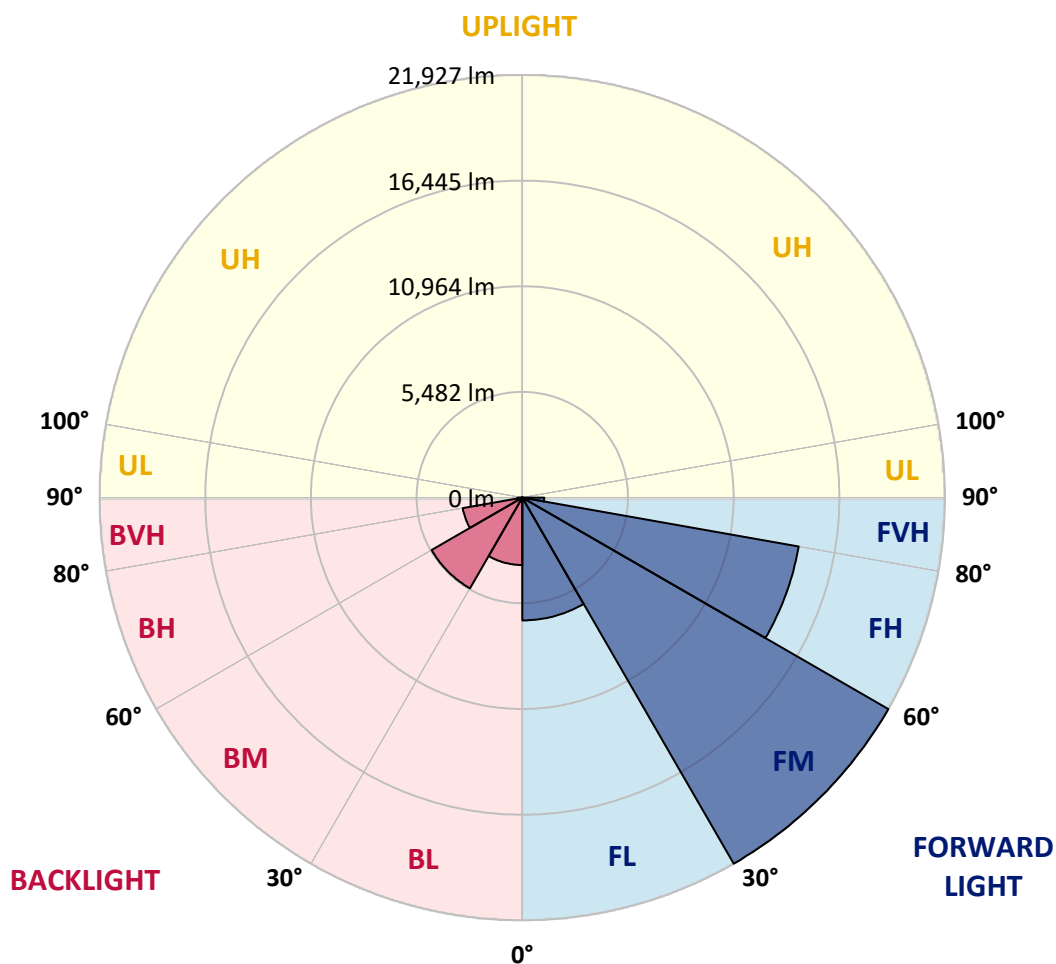
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6369.1	11.3			
FM	(30°-60°)	21927.1	38.9			
FH	(60°-80°)	14561.6	25.9			G5
FVH	(80°-90°)	1137.0	2.0			G5
BL	(0°-30°)	3495.9	6.2	B4/5000		
BM	(30°-60°)	5431.5	9.6	B4/8500		
BH	(60°-80°)	3136.5	5.6	B4/5000		G4/5000
BVH	(80°-90°)	254.2	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4
2.5°	15700.1	15640.7	15473.5	15035.1	14593.0	14143.5	13798.0	13367.0	12917.5	12676.0	12367.7
5°	15915.6	15848.8	15455.0	14466.7	13571.4	12631.4	11881.0	11223.4	10955.9	10562.1	10246.3
7.5°	15410.4	15380.6	14789.9	13370.8	12144.8	10915.1	10064.3	9536.7	9057.5	8879.2	8916.3
10°	14949.7	14830.8	14091.5	12237.6	10807.3	9807.9	9198.7	8682.3	8344.2	8255.0	8273.6
12.5°	14567.0	14407.3	13534.2	11476.0	10224.0	9425.3	8648.8	8110.1	7801.8	7887.2	8177.0
15°	14489.0	14273.5	13300.2	11216.0	9904.5	8875.5	8024.7	7404.3	7173.9	7359.7	7824.1
17.5°	14994.3	14723.1	13701.4	11301.4	9599.9	8314.5	7270.5	6560.9	6367.7	6664.9	7270.5
20°	16617.8	16216.6	14953.4	11795.5	9570.2	8035.8	6832.1	6118.8	6200.6	6765.3	7396.8
22.5°	19619.6	19017.8	17145.3	12516.3	9726.2	7965.2	6743.0	6371.5	6821.0	7300.2	7716.3
25°	20214.0	19742.2	17539.1	12679.7	9692.8	7916.9	6995.6	7181.4	7682.9	7920.7	7775.8
27.5°	20548.4	20009.7	17513.1	11869.8	8667.4	7181.4	6687.2	6995.6	7121.9	6891.6	6497.8
30°	21328.6	20767.6	17955.2	11019.1	7136.8	5327.5	4669.9	4543.6	4629.1	4673.6	4532.5
32.5°	22402.2	21848.7	18787.4	10461.8	6170.8	4406.1	3759.7	3581.4	3540.5	3492.2	3436.5
35°	23791.7	22940.9	19604.8	10105.2	5773.3	4075.5	3481.1	3343.6	3287.9	3221.0	3161.6
37.5°	25203.5	24311.8	20637.6	9729.9	5509.5	3845.2	3295.3	3232.2	3135.6	3065.0	2979.5
40°	26704.4	25705.0	21577.5	9403.0	5253.2	3696.6	3161.6	3154.1	3027.8	2946.1	2845.8
42.5°	28004.7	26975.6	22417.1	9202.4	5056.3	3540.5	3079.8	3102.1	2972.1	2849.5	2719.5
45°	29037.5	28027.0	23193.6	9202.4	4896.5	3384.5	3065.0	3050.1	2920.1	2767.8	2619.2
47.5°	29944.0	28900.0	23951.5	9436.4	4796.2	3254.5	2983.3	3009.3	2875.5	2682.3	2537.4
50°	30646.1	29724.8	24973.1	9800.5	4695.9	3150.4	2879.2	3020.4	2838.4	2637.7	2470.6
52.5°	31541.5	30716.7	26202.8	10298.3	4610.5	3035.3	2786.3	3020.4	2834.6	2641.5	2459.4
55°	32782.3	31913.0	27685.2	10710.7	4473.0	2927.5	2704.6	2935.0	2823.5	2622.9	2429.7
57.5°	33651.7	33001.5	28732.8	10985.6	4276.1	2790.1	2630.3	2853.2	2775.2	2552.3	2340.5
58°	33692.5	33057.2	28885.2	11048.8	4227.8	2764.1	2611.7	2816.1	2752.9	2522.6	2310.8
60°	33224.4	32678.3	28914.9	10959.6	3952.9	2634.0	2515.1	2663.7	2634.0	2348.0	2151.1
62.5°	31522.9	30939.6	27714.9	10235.2	3588.8	2474.3	2366.5	2459.4	2392.5	2102.8	1920.7
65°	29104.3	28030.7	25248.0	9098.4	3328.8	2303.4	2165.9	2173.4	2102.8	1894.7	1735.0
67.5°	25883.3	24683.3	21376.9	7668.0	3131.9	2113.9	1928.2	1909.6	1824.1	1690.4	1560.4
70°	21919.3	21098.2	17372.0	6237.7	2912.7	1905.9	1660.7	1649.5	1597.5	1497.2	1382.0
72.5°	17765.8	16721.8	14028.3	4993.1	2645.2	1705.2	1411.8	1434.0	1367.2	1296.6	1192.6
75°	13110.7	12427.1	10844.5	4004.9	2284.8	1486.1	1177.7	1185.1	1155.4	1081.1	999.4
77.5°	8634.0	8429.6	7757.2	2630.3	1757.3	1181.4	962.2	969.6	947.4	880.5	795.0
80°	5810.5	5673.0	5256.9	1694.1	1174.0	854.5	743.0	750.5	746.7	676.2	561.0
82.5°	3581.4	3521.9	3388.2	1144.3	813.6	613.0	490.4	512.7	553.6	475.5	382.7
85°	1690.4	1694.1	2047.0	624.1	479.3	393.8	267.5	286.1	286.1	286.1	215.5
87.5°	219.2	230.3	282.4	263.8	174.6	148.6	96.6	81.7	70.6	92.9	66.9
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°	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4
2.5°	12259.9	12185.6	12025.9	11988.7	11966.4	12029.6	11862.4	11907.0	11832.7	12040.7	12007.3
5°	10264.9	10272.3	10402.4	10487.8	10517.5	10487.8	10376.4	10183.2	10034.6	9975.1	9990.0
7.5°	8845.7	8975.8	9198.7	9447.6	9674.2	9741.1	9677.9	9310.1	8908.9	8656.3	8574.5
10°	8373.9	8548.5	8804.9	9001.8	9202.4	9362.1	9395.6	9109.5	8634.0	8035.8	7801.8
12.5°	8399.9	8637.7	8882.9	8946.0	8927.5	8990.6	8960.9	8912.6	8600.5	7838.9	7448.8
15°	8154.7	8437.1	8608.0	8574.5	8515.1	8459.4	8381.3	8258.7	8147.3	7612.3	7181.4
17.5°	7590.0	7879.8	8021.0	8032.1	8032.1	8017.3	7827.8	7783.2	7768.3	7508.3	7244.5
20°	7694.0	7853.8	7790.6	7686.6	7716.3	7816.6	7705.2	7682.9	7768.3	7883.5	7835.2
22.5°	7753.5	7697.8	7222.2	6761.5	6657.5	6969.6	7032.7	7281.7	7627.2	8043.3	8314.5
25°	7385.7	6936.2	6085.4	5565.3	5271.8	5561.6	5940.5	6401.2	6917.6	7452.6	7768.3
27.5°	6174.5	5832.8	5223.5	4755.4	4499.0	4543.6	4866.8	5286.6	5765.9	6126.3	6356.6
30°	4651.3	4499.0	4183.2	4023.5	3867.5	3830.3	3967.8	4127.5	4339.3	4383.9	4443.3
32.5°	3425.4	3403.1	3421.6	3369.6	3339.9	3336.2	3295.3	3332.5	3354.8	3380.8	3328.8
35°	3098.4	3068.7	3016.7	3001.8	2983.3	2990.7	2972.1	2953.5	2968.4	2990.7	3005.5
37.5°	2931.2	2886.7	2812.4	2786.3	2786.3	2797.5	2767.8	2760.3	2786.3	2856.9	2894.1
40°	2801.2	2749.2	2663.7	2630.3	2652.6	2682.3	2641.5	2626.6	2689.8	2764.1	2823.5
42.5°	2678.6	2637.7	2556.0	2518.9	2537.4	2593.2	2533.7	2522.6	2604.3	2686.0	2756.6
45°	2574.6	2533.7	2459.4	2440.8	2448.3	2500.3	2459.4	2459.4	2537.4	2626.6	2689.8
47.5°	2492.9	2440.8	2392.5	2377.7	2385.1	2414.8	2407.4	2407.4	2481.7	2574.6	2637.7
50°	2411.1	2366.5	2303.4	2310.8	2329.4	2370.3	2366.5	2377.7	2452.0	2567.2	2634.0
52.5°	2374.0	2307.1	2236.5	2243.9	2299.7	2348.0	2333.1	2344.2	2429.7	2645.2	2741.8
55°	2333.1	2243.9	2162.2	2173.4	2236.5	2307.1	2288.5	2303.4	2403.7	2697.2	2830.9
57.5°	2255.1	2151.1	2061.9	2069.3	2162.2	2236.5	2206.8	2225.4	2344.2	2641.5	2782.6
58°	2221.6	2132.5	2047.0	2050.8	2139.9	2221.6	2188.2	2203.1	2325.7	2626.6	2760.3
60°	2080.5	2028.5	1954.2	1957.9	2043.3	2113.9	2095.3	2110.2	2229.1	2518.9	2619.2
62.5°	1887.3	1857.6	1839.0	1839.0	1891.0	1957.9	1976.5	1995.0	2102.8	2277.4	2366.5
65°	1679.2	1679.2	1683.0	1683.0	1716.4	1801.8	1813.0	1861.3	1961.6	2047.0	2113.9
67.5°	1538.1	1530.6	1538.1	1519.5	1534.3	1586.4	1642.1	1686.7	1790.7	1850.1	1872.4
70°	1356.0	1352.3	1356.0	1330.0	1348.6	1393.2	1430.3	1504.6	1612.4	1656.9	1668.1
72.5°	1177.7	1177.7	1185.1	1166.6	1166.6	1214.8	1240.9	1322.6	1422.9	1448.9	1452.6
75°	991.9	1003.1	1003.1	977.1	984.5	1014.2	1047.7	1114.5	1207.4	1226.0	1226.0
77.5°	787.6	828.5	828.5	802.5	813.6	817.3	861.9	895.3	965.9	973.4	943.6
80°	572.1	613.0	646.4	624.1	642.7	620.4	646.4	668.7	739.3	705.9	657.6
82.5°	408.7	438.4	464.4	468.1	449.5	408.7	442.1	445.8	479.3	434.7	408.7
85°	226.6	252.6	286.1	271.2	241.5	215.5	226.6	234.1	230.3	219.2	204.3
87.5°	59.4	63.2	70.6	52.0	48.3	40.9	55.7	55.7	63.2	66.9	63.2
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°	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4
2.5°	12033.3	12196.8	12549.7	12817.2	13144.1	13541.7	14009.8	14481.6	14990.6	15150.3	15373.2
5°	9956.6	10365.2	10536.1	11022.8	11505.8	12230.2	13003.0	13898.3	14879.1	15350.9	15804.2
7.5°	8507.7	8726.8	8905.2	9261.8	9841.4	10721.9	11691.5	12809.8	14199.2	14886.5	15551.5
10°	7727.5	7749.8	7969.0	8411.1	8916.3	9692.8	10610.4	11862.4	13411.6	14247.5	15027.7
12.5°	7211.1	7114.5	7352.2	7812.9	8385.1	9102.1	9945.4	11138.0	12843.2	13701.4	14645.1
15°	6757.8	6605.5	6783.8	7255.7	7820.4	8663.7	9570.2	10833.3	12620.3	13619.7	14667.3
17.5°	6769.0	6349.2	6412.3	6809.8	7370.8	8229.0	9328.7	10822.2	12958.4	14110.1	15350.9
20°	7604.9	6932.4	6646.4	6720.7	7263.1	8199.3	9440.2	11342.3	14069.2	15748.4	17074.7
22.5°	8425.9	8021.0	7560.3	7408.0	7705.2	8686.0	10149.7	12572.0	16484.0	19014.0	21410.3
25°	8139.9	8485.4	8370.2	8154.7	8221.6	9035.2	10632.7	13582.5	18360.2	21209.7	23461.1
27.5°	6512.6	7140.5	7266.8	7263.1	7289.1	7957.8	9562.8	12902.7	18594.2	21629.5	23780.6
30°	4577.0	4632.8	4699.6	4829.7	4948.6	5546.7	7482.3	11327.4	18490.2	21819.0	23973.7
32.5°	3302.8	3377.1	3469.9	3648.3	3930.6	4692.2	6546.1	10825.9	19040.1	22602.9	24538.4
35°	3020.4	3105.9	3195.0	3399.3	3666.8	4372.7	6174.5	10617.8	19942.8	23873.4	25552.7
37.5°	2931.2	3027.8	3105.9	3254.5	3469.9	4142.4	5836.5	10476.7	20867.9	25218.3	26912.4
40°	2868.1	2979.5	3042.7	3161.6	3310.2	3930.6	5535.5	10365.2	21763.2	26448.0	28004.7
42.5°	2812.4	2927.5	3009.3	3094.7	3217.3	3741.1	5268.1	10253.8	22539.7	27640.6	29093.2
45°	2745.5	2890.4	2994.4	3061.3	3169.0	3581.4	5063.7	10164.6	23423.9	28699.4	30192.9
47.5°	2689.8	2849.5	2979.5	3057.6	3098.4	3469.9	4900.3	10287.2	24486.4	29806.5	31214.5
50°	2693.5	2845.8	3009.3	3131.9	3024.1	3377.1	4800.0	10773.9	25868.5	31121.7	32020.7
52.5°	2812.4	2998.1	3128.1	3157.9	2920.1	3265.6	4747.9	11624.6	27503.1	32284.5	32834.3
55°	2946.1	3139.3	3280.5	3261.9	2864.4	3124.4	4736.8	12531.1	29293.8	33640.5	33893.2
57.5°	2897.8	3180.2	3395.6	3299.0	2868.1	2987.0	4688.5	13263.0	30791.0	34654.8	34940.8
58°	2882.9	3165.3	3410.5	3291.6	2856.9	2946.1	4677.4	13326.2	30999.1	34725.3	35089.4
60°	2738.1	3035.3	3399.3	3235.9	2793.8	2834.6	4554.8	13530.5	30943.3	34361.3	35178.6
62.5°	2474.3	2719.5	3143.0	2964.7	2600.6	2686.0	4279.8	13277.9	29435.0	32607.7	33874.6
65°	2177.1	2359.1	2641.5	2608.0	2325.7	2533.7	3904.6	12278.5	26414.6	29761.9	31095.7
67.5°	1954.2	2102.8	2281.1	2232.8	2091.6	2329.4	3499.7	10588.1	23026.4	26344.0	28023.2
70°	1727.5	1842.7	1931.9	1898.4	1853.9	2128.8	3139.3	8593.1	19779.4	23097.0	24724.2
72.5°	1497.2	1604.9	1679.2	1630.9	1604.9	1917.0	2845.8	6668.7	15622.1	19054.9	21146.5
75°	1252.0	1359.7	1411.8	1356.0	1341.2	1690.4	2411.1	4982.0	11721.2	14689.6	16495.2
77.5°	969.6	1084.8	1151.7	1133.1	1140.5	1389.5	1946.7	3410.5	8381.3	10012.3	11914.4
80°	679.9	806.2	850.8	832.2	884.2	1058.8	1374.6	2165.9	5780.7	6497.8	7838.9
82.5°	419.8	538.7	546.1	564.7	601.9	783.9	1036.5	1318.9	3629.7	3752.3	4725.6
85°	211.8	256.3	274.9	304.6	338.1	479.3	590.7	817.3	2336.8	1768.4	2641.5
87.5°	70.6	74.3	89.2	111.5	137.5	196.9	252.6	334.4	579.6	319.5	817.3
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°	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4	14132.4
2.5°	15822.7	16138.5	16368.9	16580.6	16376.3	16357.7	16157.1	15833.9	15700.1	15700.1
5°	16755.2	17494.6	18092.7	18475.4	18311.9	17918.1	17267.9	16439.5	15993.6	15915.6
7.5°	17011.6	18471.6	19582.5	19976.3	19701.3	18832.0	17587.4	16190.5	15551.5	15410.4
10°	16855.6	18754.0	20384.9	21009.1	20626.4	19311.3	17613.4	15900.8	15113.2	14949.7
12.5°	16692.1	18791.1	20533.5	21436.3	21187.4	19697.6	17802.9	15711.3	14801.1	14567.0
15°	16811.0	18806.0	20351.5	21284.0	21443.7	20162.0	18115.0	15848.8	14737.9	14489.0
17.5°	17561.4	19088.3	20091.4	20845.6	21406.6	20793.6	19002.9	16506.3	15302.6	14994.3
20°	19129.2	19764.5	20240.0	20823.3	21726.1	22082.7	20819.6	18311.9	16889.0	16617.8
22.5°	23669.1	23553.9	22580.6	22569.4	23877.2	25307.5	25222.0	21982.4	19842.5	19619.6
25°	25370.6	24835.7	23427.6	23085.8	23661.7	25868.5	25549.0	22732.9	20756.4	20214.0
27.5°	24705.6	23379.3	22454.3	22376.2	22186.8	24271.0	25040.0	23037.5	21075.9	20548.4
30°	24664.8	22714.3	21391.7	21547.8	21729.8	23721.1	25322.3	23992.3	21893.3	21328.6
32.5°	24765.1	22807.2	21469.7	21499.5	22041.9	23802.9	25634.4	25032.6	22966.9	22402.2
35°	25170.0	23334.7	21967.6	21897.0	22744.0	24337.8	26165.7	26667.2	24434.4	23791.7
37.5°	25823.9	24386.1	22877.8	22859.2	24088.9	25303.8	26827.0	28316.7	25894.5	25203.5
40°	26786.1	25615.8	24497.6	24397.3	25916.8	26875.3	27685.2	30074.0	27592.3	26704.4
42.5°	27948.9	27090.7	26633.8	27031.3	28491.3	28640.0	29022.6	31697.5	29037.5	28004.7
45°	29026.3	28985.5	29620.7	30675.8	31526.6	30635.0	30419.5	32786.0	30159.4	29037.5
47.5°	30308.0	31415.2	33332.2	34877.7	35769.3	32956.9	31612.1	33495.6	30976.8	29944.0
50°	31608.3	34324.1	37385.4	39540.2	39729.6	35479.5	32433.1	34164.4	31719.8	30646.1
52.5°	32975.5	36646.1	40721.6	43225.6	42857.8	37675.2	33228.1	34617.6	32485.1	31541.5
55°	34164.4	38069.0	42586.6	44990.3	44451.6	39012.6	34086.3	35108.0	33577.4	32782.3
57.5°	34829.4	38187.8	42122.2	44221.2	43637.9	38752.5	34480.1	35472.1	34275.8	33651.7
58°	34926.0	38028.1	41709.8	43775.4	43181.0	38533.4	34476.4	35457.2	34320.4	33692.5
60°	34840.5	36991.6	40175.4	42014.4	41390.3	37158.8	34335.3	35178.6	33755.7	33224.4
62.5°	34049.2	35193.4	37526.6	38864.0	38685.7	35011.4	33755.7	34127.2	32035.6	31522.9
65°	33009.0	32741.5	34134.6	35082.0	35215.7	33402.8	33179.8	31853.5	29828.8	29104.3
67.5°	31745.8	29962.5	29958.8	30497.5	30720.4	30928.5	31979.9	29383.0	26648.6	25883.3
70°	29602.2	25679.0	24497.6	25132.9	24947.1	26704.4	29836.2	25913.0	22814.6	21919.3
72.5°	25671.6	20377.5	18486.5	19303.8	18835.7	20942.2	26106.2	21324.9	18865.4	17765.8
75°	20808.5	15243.2	13292.7	14043.2	13753.4	15885.9	21722.4	15488.4	13530.5	13110.7
77.5°	16157.1	11045.1	9912.0	9807.9	10023.4	11821.6	15934.2	10458.1	8920.0	8634.0
80°	10380.1	7905.8	7972.7	7838.9	7950.4	7452.6	9674.2	6672.4	6040.8	5810.5
82.5°	6832.1	5509.5	6568.4	6063.1	5758.5	5011.7	6345.4	4369.0	3707.7	3581.4
85°	4655.1	4056.9	3692.8	2823.5	3325.0	3860.0	4759.1	2351.7	1865.0	1690.4
87.5°	2102.8	1411.8	1036.5	639.0	1010.5	1166.6	2310.8	274.9	211.8	219.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)