

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: P459398

Luminaire Tested: **GALN-SA8C-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459398
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-SA8C-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA 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: 45586 lumens
Efficiency: N/A
Efficacy: 106.3 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): 429
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

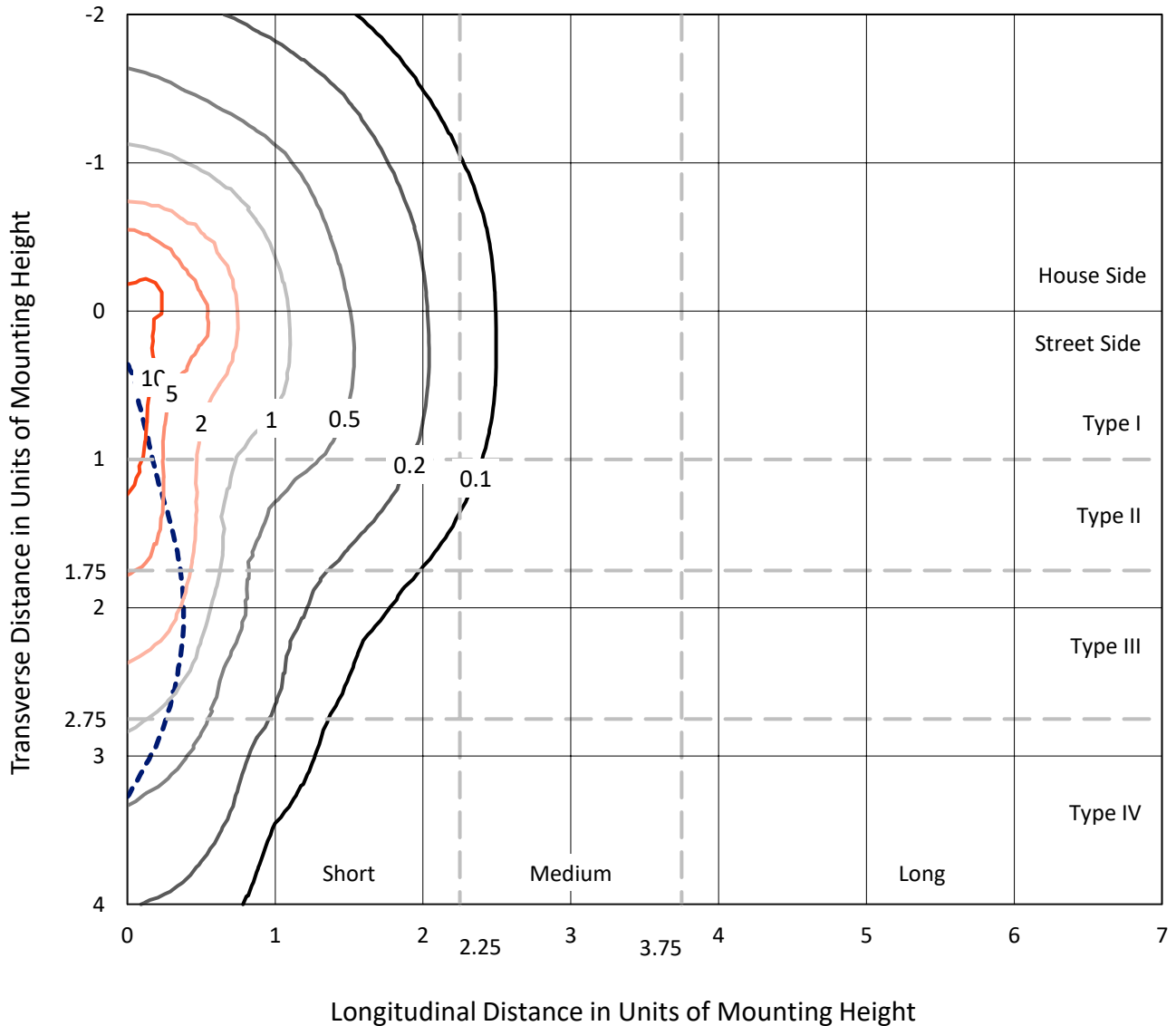




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Iso-Footcandle Lines of Horizontal Illumination

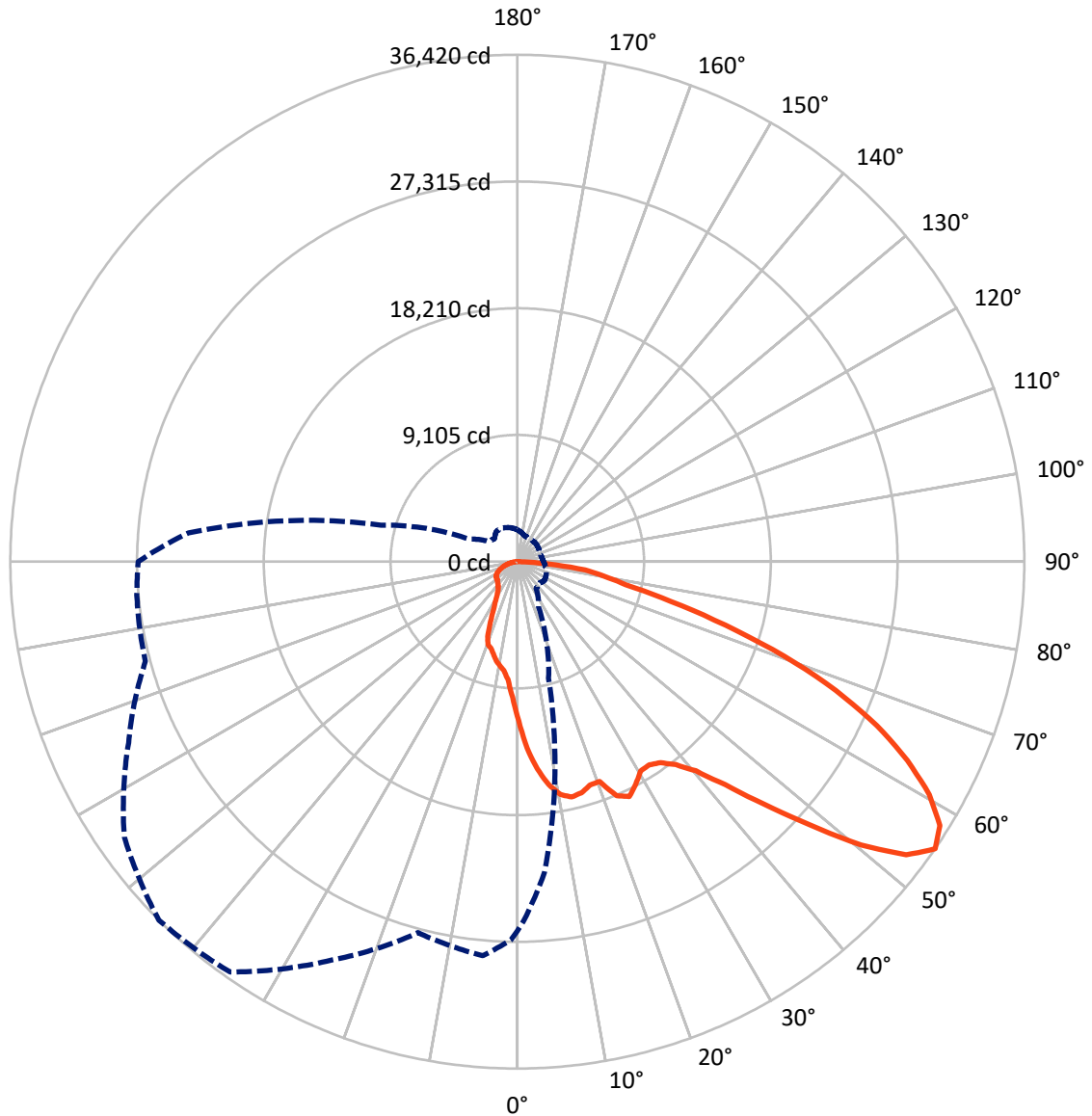
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.6 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	9971.7	0.0	9971.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	35614.3	0.0	35614.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	45586.0	0.0	45586.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.6	2.1
10°-20°	2572.4	5.6
20°-30°	4443.9	9.7
30°-40°	5164.5	11.3
40°-50°	7205.5	15.8
50°-60°	9777.1	21.4
60°-70°	9301.8	20.4
70°-80°	5025.1	11.0
80°-90°	1126.2	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°	45586.0	100.0
0°-180°	45586.0	100.0



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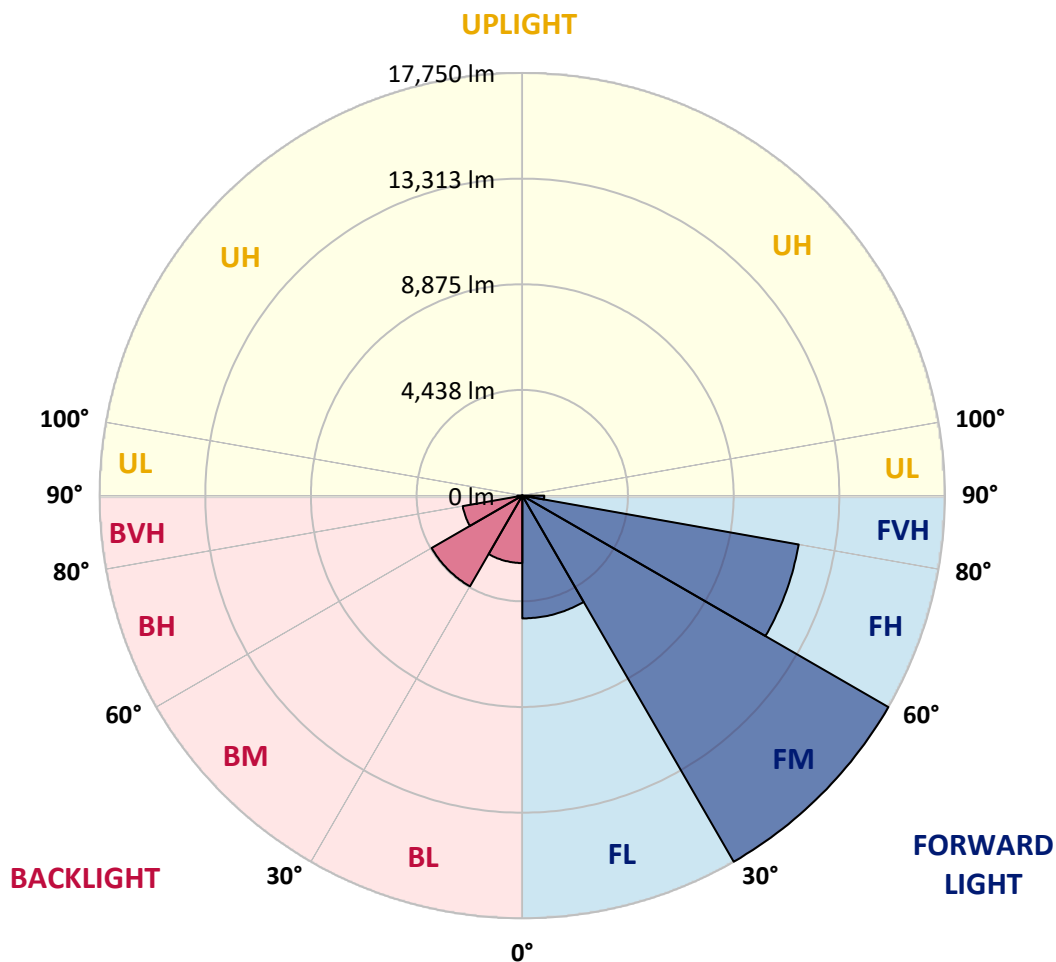
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5155.9	11.3			
FM	(30°-60°)	17750.2	38.9			
FH	(60°-80°)	11787.8	25.9			G4/12000
FVH	(80°-90°)	920.4	2.0			G5
BL	(0°-30°)	2830.0	6.2	B4/5000		
BM	(30°-60°)	4396.9	9.6	B3/5000		
BH	(60°-80°)	2539.0	5.6	B4/5000		G4/5000
BVH	(80°-90°)	205.8	0.5			G2/225
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°	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3
2.5°	12709.4	12661.3	12526.0	12171.1	11813.2	11449.3	11169.6	10820.8	10456.9	10261.4	10011.8
5°	12883.9	12829.7	12511.0	11711.0	10986.2	10225.3	9617.8	9085.5	8868.9	8550.2	8294.5
7.5°	12474.9	12450.8	11972.6	10823.8	9831.3	8835.9	8147.2	7720.1	7332.1	7187.8	7217.9
10°	12101.9	12005.7	11407.2	9906.5	8748.6	7939.6	7446.4	7028.4	6754.7	6682.5	6697.6
12.5°	11792.2	11662.9	10956.1	9290.0	8276.5	7629.9	7001.3	6565.2	6315.6	6384.8	6619.4
15°	11729.0	11554.6	10766.6	9079.5	8017.8	7184.8	6496.1	5993.8	5807.4	5957.7	6333.7
17.5°	12138.0	11918.5	11091.4	9148.6	7771.2	6730.7	5885.6	5311.1	5154.8	5395.3	5885.6
20°	13452.3	13127.5	12104.9	9548.6	7747.2	6505.1	5530.7	4953.3	5019.4	5476.5	5987.8
22.5°	15882.3	15395.1	13879.3	10132.1	7873.5	6448.0	5458.5	5157.8	5521.7	5909.6	6246.5
25°	16363.5	15981.5	14198.1	10264.4	7846.4	6408.9	5663.0	5813.4	6219.4	6411.9	6294.6
27.5°	16634.2	16198.1	14177.1	9608.8	7016.4	5813.4	5413.4	5663.0	5765.3	5578.8	5260.0
30°	17265.7	16811.6	14535.0	8920.1	5777.3	4312.7	3780.4	3678.1	3747.3	3783.4	3669.1
32.5°	18134.9	17686.8	15208.6	8469.0	4995.4	3566.8	3043.5	2899.2	2866.1	2827.0	2781.9
35°	19259.7	18570.9	15870.3	8180.2	4673.6	3299.2	2818.0	2706.7	2661.6	2607.5	2559.3
37.5°	20402.5	19680.7	16706.3	7876.5	4460.0	3112.7	2667.6	2616.5	2538.3	2481.1	2412.0
40°	21617.5	20808.5	17467.2	7611.8	4252.5	2992.4	2559.3	2553.3	2451.1	2384.9	2303.7
42.5°	22670.1	21837.0	18146.9	7449.4	4093.1	2866.1	2493.2	2511.2	2406.0	2306.7	2201.4
45°	23506.2	22688.1	18775.5	7449.4	3963.8	2739.8	2481.1	2469.1	2363.8	2240.5	2120.2
47.5°	24240.0	23394.9	19389.0	7638.9	3882.6	2634.5	2415.0	2436.0	2327.8	2171.4	2054.1
50°	24808.4	24062.5	20216.0	7933.6	3801.4	2550.3	2330.8	2445.0	2297.7	2135.3	1999.9
52.5°	25533.2	24865.5	21211.5	8336.6	3732.2	2457.1	2255.6	2445.0	2294.7	2138.3	1990.9
55°	26537.7	25833.9	22411.4	8670.5	3621.0	2369.9	2189.4	2375.9	2285.7	2123.3	1966.9
57.5°	27241.4	26715.1	23259.5	8893.0	3461.6	2258.6	2129.3	2309.7	2246.6	2066.1	1894.7
58°	27274.5	26760.2	23382.9	8944.1	3422.5	2237.5	2114.2	2279.6	2228.5	2042.1	1870.6
60°	26895.5	26453.5	23406.9	8872.0	3199.9	2132.3	2036.0	2156.3	2132.3	1900.7	1741.3
62.5°	25518.1	25046.0	22435.5	8285.5	2905.2	2003.0	1915.7	1990.9	1936.8	1702.2	1554.8
65°	23560.3	22691.1	20438.6	7365.2	2694.7	1864.6	1753.3	1759.4	1702.2	1533.8	1404.5
67.5°	20952.8	19981.4	17304.8	6207.4	2535.3	1711.2	1560.9	1545.8	1476.7	1368.4	1263.1
70°	17743.9	17079.3	14062.8	5049.5	2357.8	1542.8	1344.3	1335.3	1293.2	1212.0	1118.8
72.5°	14381.6	13536.5	11356.1	4042.0	2141.3	1380.4	1142.8	1160.9	1106.7	1049.6	965.4
75°	10613.3	10059.9	8778.7	3242.0	1849.6	1203.0	953.4	959.4	935.3	875.2	809.0
77.5°	6989.3	6823.9	6279.5	2129.3	1422.5	956.4	778.9	784.9	766.9	712.8	643.6
80°	4703.6	4592.4	4255.5	1371.4	950.4	691.7	601.5	607.5	604.5	547.4	454.1
82.5°	2899.2	2851.1	2742.8	926.3	658.6	496.2	397.0	415.0	448.1	385.0	309.8
85°	1368.4	1371.4	1657.1	505.3	388.0	318.8	216.5	231.6	231.6	231.6	174.4
87.5°	177.4	186.5	228.6	213.5	141.3	120.3	78.2	66.2	57.1	75.2	54.1
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°	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3
2.5°	9924.6	9864.4	9735.1	9705.0	9687.0	9738.1	9602.8	9638.8	9578.7	9747.1	9720.0
5°	8309.6	8315.6	8420.8	8490.0	8514.1	8490.0	8399.8	8243.4	8123.1	8075.0	8087.0
7.5°	7160.7	7266.0	7446.4	7647.9	7831.4	7885.5	7834.4	7536.6	7211.8	7007.3	6941.2
10°	6778.8	6920.1	7127.6	7287.0	7449.4	7578.8	7605.8	7374.2	6989.3	6505.1	6315.6
12.5°	6799.8	6992.3	7190.8	7241.9	7226.9	7278.0	7253.9	7214.9	6962.2	6345.7	6029.9
15°	6601.3	6829.9	6968.2	6941.2	6893.1	6847.9	6784.8	6685.5	6595.3	6162.2	5813.4
17.5°	6144.2	6378.8	6493.1	6502.1	6502.1	6490.1	6336.7	6300.6	6288.6	6078.0	5864.5
20°	6228.4	6357.7	6306.6	6222.4	6246.5	6327.7	6237.4	6219.4	6288.6	6381.8	6342.7
22.5°	6276.5	6231.4	5846.5	5473.5	5389.3	5642.0	5693.1	5894.6	6174.3	6511.1	6730.7
25°	5978.8	5614.9	4926.2	4505.1	4267.6	4502.1	4808.9	5181.8	5599.9	6032.9	6288.6
27.5°	4998.4	4721.7	4228.5	3849.5	3642.0	3678.1	3939.7	4279.6	4667.5	4959.3	5145.7
30°	3765.3	3642.0	3386.4	3257.1	3130.7	3100.7	3211.9	3341.3	3512.7	3548.8	3596.9
32.5°	2772.9	2754.8	2769.9	2727.7	2703.7	2700.7	2667.6	2697.7	2715.7	2736.8	2694.7
35°	2508.2	2484.1	2442.0	2430.0	2415.0	2421.0	2406.0	2390.9	2402.9	2421.0	2433.0
37.5°	2372.9	2336.8	2276.6	2255.6	2255.6	2264.6	2240.5	2234.5	2255.6	2312.7	2342.8
40°	2267.6	2225.5	2156.3	2129.3	2147.3	2171.4	2138.3	2126.3	2177.4	2237.5	2285.7
42.5°	2168.4	2135.3	2069.1	2039.0	2054.1	2099.2	2051.1	2042.1	2108.2	2174.4	2231.5
45°	2084.2	2051.1	1990.9	1975.9	1981.9	2024.0	1990.9	1990.9	2054.1	2126.3	2177.4
47.5°	2018.0	1975.9	1936.8	1924.8	1930.8	1954.8	1948.8	1948.8	2009.0	2084.2	2135.3
50°	1951.8	1915.7	1864.6	1870.6	1885.7	1918.7	1915.7	1924.8	1984.9	2078.1	2132.3
52.5°	1921.8	1867.6	1810.5	1816.5	1861.6	1900.7	1888.7	1897.7	1966.9	2141.3	2219.5
55°	1888.7	1816.5	1750.3	1759.4	1810.5	1867.6	1852.6	1864.6	1945.8	2183.4	2291.7
57.5°	1825.5	1741.3	1669.1	1675.1	1750.3	1810.5	1786.4	1801.5	1897.7	2138.3	2252.6
58°	1798.4	1726.3	1657.1	1660.1	1732.3	1798.4	1771.4	1783.4	1882.7	2126.3	2234.5
60°	1684.2	1642.1	1581.9	1584.9	1654.1	1711.2	1696.2	1708.2	1804.5	2039.0	2120.2
62.5°	1527.8	1503.7	1488.7	1488.7	1530.8	1584.9	1600.0	1615.0	1702.2	1843.6	1915.7
65°	1359.4	1359.4	1362.4	1362.4	1389.4	1458.6	1467.6	1506.7	1587.9	1657.1	1711.2
67.5°	1245.1	1239.1	1245.1	1230.0	1242.1	1284.2	1329.3	1365.4	1449.6	1497.7	1515.8
70°	1097.7	1094.7	1097.7	1076.7	1091.7	1127.8	1157.9	1218.0	1305.2	1341.3	1350.3
72.5°	953.4	953.4	959.4	944.3	944.3	983.4	1004.5	1070.6	1151.8	1172.9	1175.9
75°	803.0	812.0	812.0	791.0	797.0	821.0	848.1	902.2	977.4	992.5	992.5
77.5°	637.6	670.7	670.7	649.6	658.6	661.6	697.7	724.8	781.9	787.9	763.9
80°	463.1	496.2	523.3	505.3	520.3	502.2	523.3	541.3	598.5	571.4	532.3
82.5°	330.8	354.9	375.9	378.9	363.9	330.8	357.9	360.9	388.0	351.9	330.8
85°	183.5	204.5	231.6	219.5	195.5	174.4	183.5	189.5	186.5	177.4	165.4
87.5°	48.1	51.1	57.1	42.1	39.1	33.1	45.1	45.1	51.1	54.1	51.1
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°	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3
2.5°	9741.1	9873.4	10159.1	10375.7	10640.3	10962.1	11341.1	11723.0	12135.0	12264.3	12444.8
5°	8059.9	8390.8	8529.1	8923.1	9314.0	9900.5	10526.0	11250.8	12044.8	12426.7	12793.7
7.5°	6887.0	7064.5	7208.8	7497.6	7966.7	8679.5	9464.4	10369.7	11494.4	12050.8	12589.1
10°	6255.5	6273.5	6451.0	6808.8	7217.9	7846.4	8589.3	9602.8	10856.9	11533.5	12165.1
12.5°	5837.4	5759.2	5951.7	6324.6	6787.8	7368.2	8050.9	9016.3	10396.7	11091.4	11855.3
15°	5470.5	5347.2	5491.6	5873.5	6330.7	7013.4	7747.2	8769.7	10216.3	11025.3	11873.4
17.5°	5479.6	5139.7	5190.8	5512.6	5966.8	6661.5	7551.7	8760.7	10490.0	11422.3	12426.7
20°	6156.2	5611.9	5380.3	5440.5	5879.5	6637.4	7641.9	9181.7	11389.2	12748.5	13822.2
22.5°	6820.9	6493.1	6120.1	5996.8	6237.4	7031.4	8216.3	10177.2	13344.0	15392.1	17331.9
25°	6589.3	6869.0	6775.8	6601.3	6655.5	7314.1	8607.3	10995.2	14862.8	17169.5	18992.0
27.5°	5272.0	5780.3	5882.6	5879.5	5900.6	6441.9	7741.2	10444.8	15052.2	17509.3	19250.6
30°	3705.2	3750.3	3804.4	3909.7	4005.9	4490.1	6057.0	9169.7	14968.0	17662.7	19407.0
32.5°	2673.6	2733.8	2808.9	2953.3	3181.9	3798.4	5299.1	8763.7	15413.1	18297.3	19864.1
35°	2445.0	2514.2	2586.4	2751.8	2968.3	3539.8	4998.4	8595.3	16143.9	19325.8	20685.2
37.5°	2372.9	2451.1	2514.2	2634.5	2808.9	3353.3	4724.7	8481.0	16892.8	20414.5	21785.9
40°	2321.7	2412.0	2463.1	2559.3	2679.6	3181.9	4481.1	8390.8	17617.6	21410.0	22670.1
42.5°	2276.6	2369.9	2436.0	2505.2	2604.4	3028.5	4264.6	8300.5	18246.1	22375.4	23551.3
45°	2222.5	2339.8	2424.0	2478.1	2565.3	2899.2	4099.1	8228.4	18961.9	23232.5	24441.5
47.5°	2177.4	2306.7	2412.0	2475.1	2508.2	2808.9	3966.8	8327.6	19822.0	24128.7	25268.5
50°	2180.4	2303.7	2436.0	2535.3	2448.1	2733.8	3885.6	8721.6	20940.8	25193.3	25921.1
52.5°	2276.6	2427.0	2532.3	2556.3	2363.8	2643.5	3843.5	9410.3	22264.1	26134.7	26579.8
55°	2384.9	2541.3	2655.6	2640.5	2318.7	2529.3	3834.5	10144.1	23713.7	27232.4	27436.9
57.5°	2345.8	2574.4	2748.8	2670.6	2321.7	2418.0	3795.4	10736.6	24925.7	28053.4	28285.0
58°	2333.8	2562.3	2760.8	2664.6	2312.7	2384.9	3786.4	10787.7	25094.1	28110.6	28405.3
60°	2216.5	2457.1	2751.8	2619.5	2261.6	2294.7	3687.1	10953.1	25049.0	27815.8	28477.5
62.5°	2003.0	2201.4	2544.3	2399.9	2105.2	2174.4	3464.6	10748.6	23828.0	26396.3	27421.8
65°	1762.4	1909.7	2138.3	2111.2	1882.7	2051.1	3160.8	9939.6	21382.9	24092.6	25172.3
67.5°	1581.9	1702.2	1846.6	1807.5	1693.2	1885.7	2833.0	8571.2	18640.1	21325.8	22685.1
70°	1398.5	1491.7	1563.9	1536.8	1500.7	1723.3	2541.3	6956.2	16011.6	18697.3	20014.5
72.5°	1212.0	1299.2	1359.4	1320.3	1299.2	1551.8	2303.7	5398.4	12646.3	15425.2	17118.4
75°	1013.5	1100.7	1142.8	1097.7	1085.7	1368.4	1951.8	4033.0	9488.5	11891.4	13353.0
77.5°	784.9	878.2	932.3	917.3	923.3	1124.8	1575.9	2760.8	6784.8	8105.1	9644.9
80°	550.4	652.6	688.7	673.7	715.8	857.1	1112.8	1753.3	4679.6	5260.0	6345.7
82.5°	339.8	436.1	442.1	457.1	487.2	634.6	839.1	1067.6	2938.3	3037.5	3825.5
85°	171.4	207.5	222.6	246.6	273.7	388.0	478.2	661.6	1891.7	1431.5	2138.3
87.5°	57.1	60.1	72.2	90.2	111.3	159.4	204.5	270.7	469.2	258.6	661.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P459398

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3	11440.3
2.5°	12808.7	13064.3	13250.8	13422.2	13256.8	13241.8	13079.4	12817.7	12709.4	12709.4
5°	13563.6	14162.0	14646.2	14956.0	14823.7	14504.9	13978.6	13307.9	12947.0	12883.9
7.5°	13771.1	14953.0	15852.2	16171.0	15948.5	15244.7	14237.2	13106.4	12589.1	12474.9
10°	13644.8	15181.6	16501.8	17007.1	16697.3	15632.7	14258.3	12871.8	12234.3	12101.9
12.5°	13512.4	15211.6	16622.1	17352.9	17151.4	15945.5	14411.7	12718.5	11981.6	11792.2
15°	13608.7	15223.7	16474.8	17229.6	17358.9	16321.4	14664.3	12829.7	11930.5	11729.0
17.5°	14216.2	15452.2	16264.2	16874.8	17328.9	16832.6	15383.1	13362.1	12387.6	12138.0
20°	15485.3	15999.6	16384.5	16856.7	17587.5	17876.2	16853.7	14823.7	13671.8	13452.3
22.5°	19160.4	19067.2	18279.2	18270.2	19328.8	20486.7	20417.5	17795.0	16062.7	15882.3
25°	20537.8	20104.7	18964.9	18688.2	19154.4	20940.8	20682.2	18402.5	16802.6	16363.5
27.5°	19999.5	18925.8	18177.0	18113.8	17960.4	19647.6	20270.2	18649.1	17061.2	16634.2
30°	19966.4	18387.5	17316.8	17443.2	17590.5	19202.5	20498.7	19422.1	17722.8	17265.7
32.5°	20047.6	18462.7	17380.0	17404.1	17843.1	19268.7	20751.3	20264.1	18592.0	18134.9
35°	20375.4	18889.7	17783.0	17725.9	18411.6	19701.7	21181.4	21587.4	19779.9	19259.7
37.5°	20904.7	19740.8	18519.8	18504.8	19500.2	20483.7	21716.7	22922.7	20961.9	20402.5
40°	21683.6	20736.3	19831.1	19749.9	20979.9	21755.8	22411.4	24345.2	22336.3	21617.5
42.5°	22625.0	21930.3	21560.3	21882.1	23064.1	23184.4	23494.1	25659.5	23506.2	22670.1
45°	23497.1	23464.1	23978.3	24832.4	25521.1	24799.4	24624.9	26540.7	24414.4	23506.2
47.5°	24534.7	25430.9	26982.8	28233.9	28955.6	26679.0	25590.3	27115.1	25076.0	24240.0
50°	25587.3	27785.7	30263.9	32008.2	32161.6	28721.1	26255.0	27656.4	25677.5	24808.4
52.5°	26694.0	29665.4	32964.6	34991.6	34693.8	30498.5	26898.6	28023.3	26297.1	25533.2
55°	27656.4	30817.2	34474.3	36420.1	35984.0	31581.1	27593.3	28420.3	27181.3	26537.7
57.5°	28194.8	30913.5	34098.4	35797.6	35325.4	31370.6	27912.1	28715.0	27746.6	27241.4
58°	28273.0	30784.2	33764.5	35436.7	34955.5	31193.2	27909.1	28703.0	27782.7	27274.5
60°	28203.8	29945.1	32522.5	34011.1	33505.9	30080.4	27794.8	28477.5	27325.6	26895.5
62.5°	27563.2	28489.5	30378.2	31460.8	31316.5	28342.1	27325.6	27626.4	25933.2	25518.1
65°	26721.1	26504.6	27632.4	28399.3	28507.5	27039.9	26859.5	25785.8	24146.7	23560.3
67.5°	25698.6	24255.0	24252.0	24688.1	24868.5	25036.9	25888.1	23785.9	21572.4	20952.8
70°	23963.3	20787.4	19831.1	20345.3	20195.0	21617.5	24152.8	20976.9	18468.7	17743.9
72.5°	20781.4	16495.8	14965.0	15626.7	15247.7	16952.9	21133.3	17262.7	15271.8	14381.6
75°	16844.7	12339.5	10760.6	11368.1	11133.5	12859.8	17584.5	12538.0	10953.1	10613.3
77.5°	13079.4	8941.1	8023.9	7939.6	8114.1	9569.7	12898.9	8465.9	7220.9	6989.3
80°	8402.8	6399.8	6454.0	6345.7	6435.9	6032.9	7831.4	5401.4	4890.1	4703.6
82.5°	5530.7	4460.0	5317.2	4908.1	4661.5	4057.0	5136.7	3536.8	3001.4	2899.2
85°	3768.3	3284.1	2989.4	2285.7	2691.7	3124.7	3852.5	1903.7	1509.7	1368.4
87.5°	1702.2	1142.8	839.1	517.3	818.0	944.3	1870.6	222.6	171.4	177.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)