

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: P652454

Luminaire Tested: **GALN-SA6B-840-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652454
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-SA6B-840-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 21134.3 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 243
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

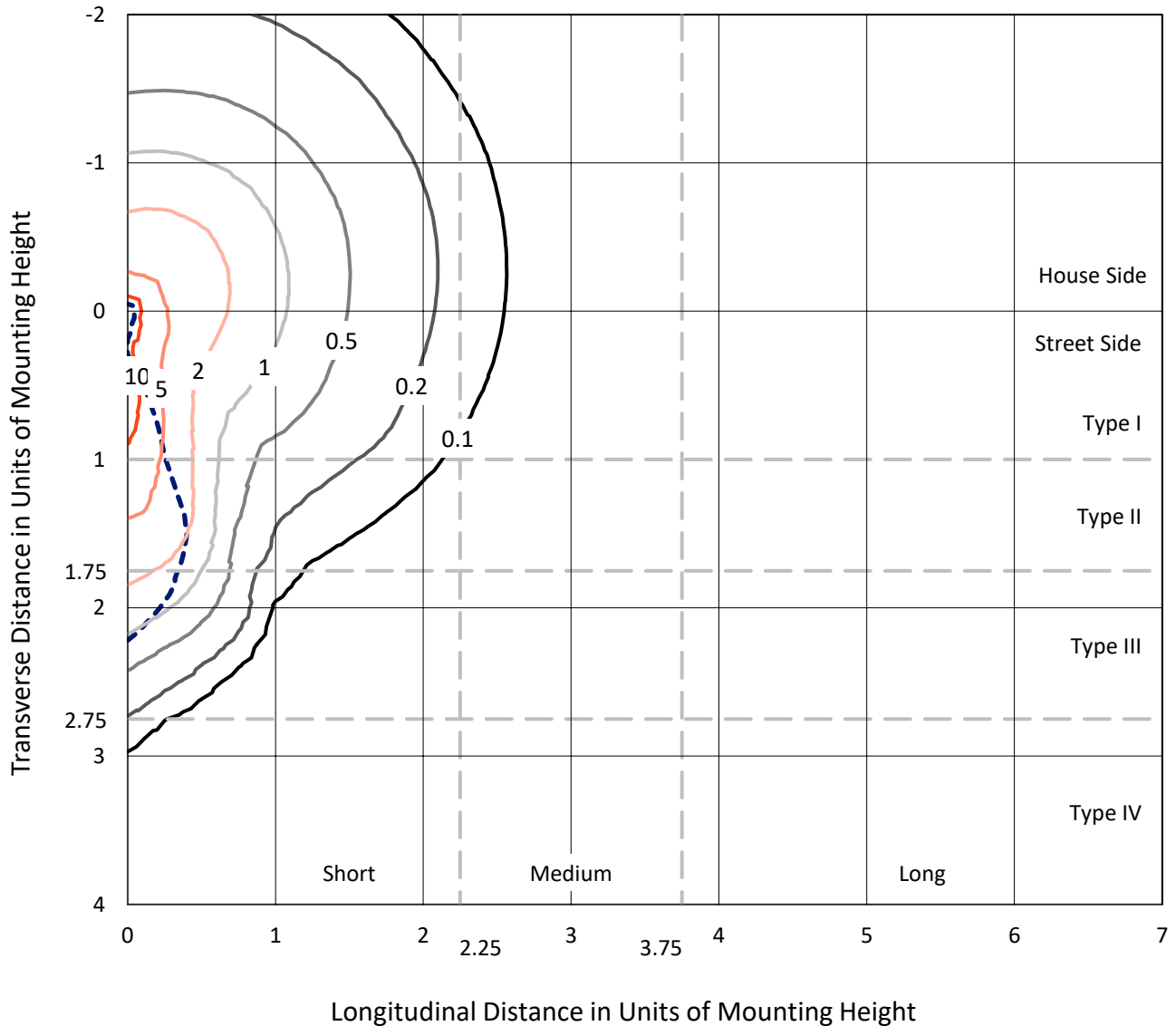




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Iso-Footcandle Lines of Horizontal Illumination

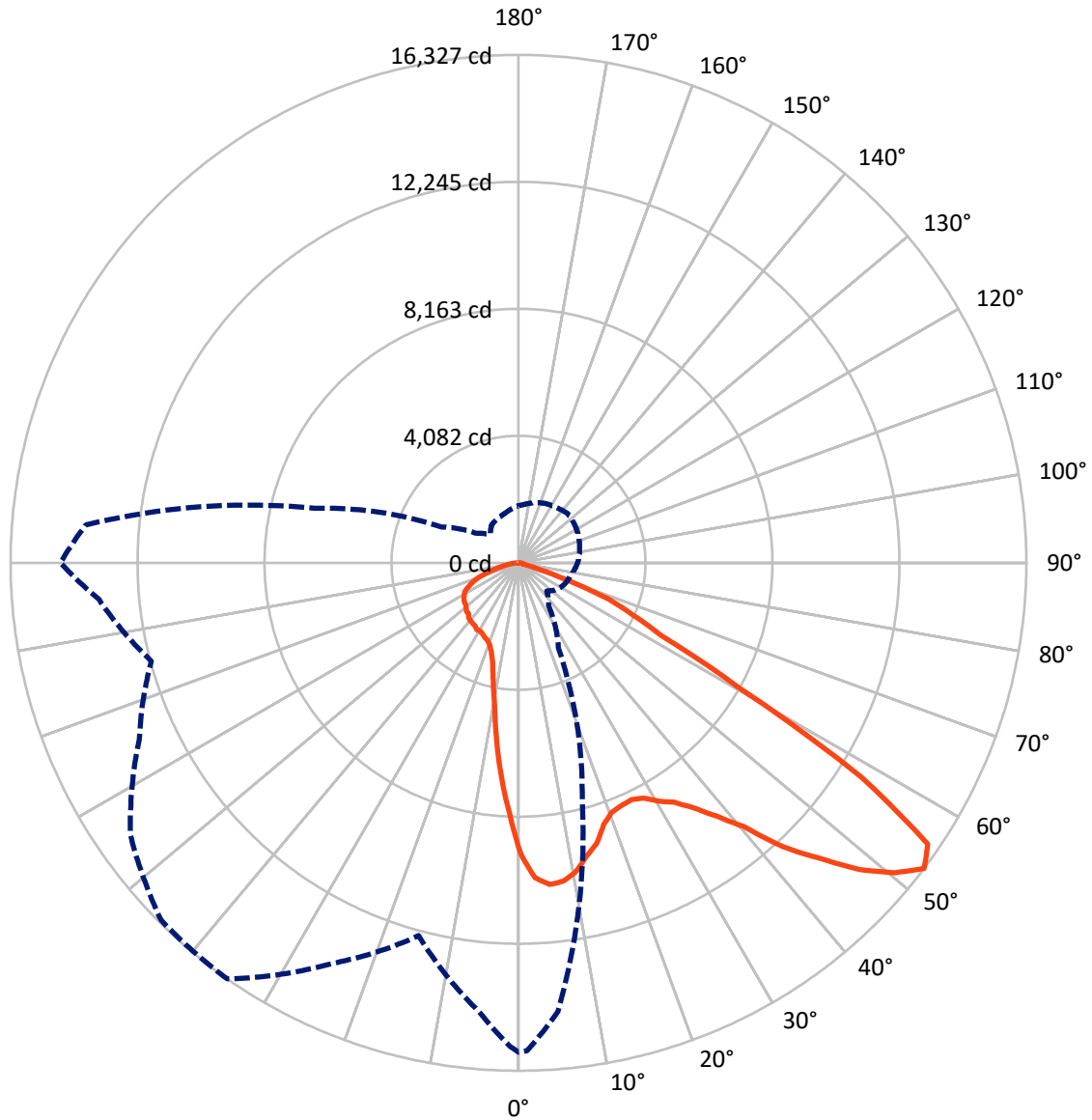
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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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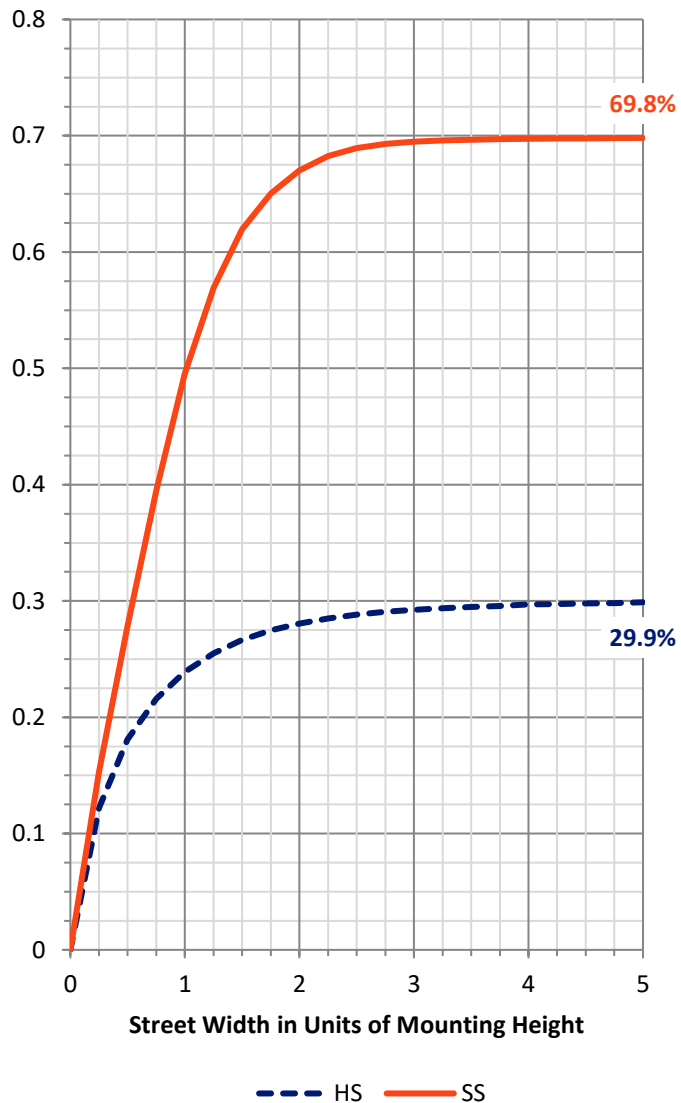
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6371.1	0.0	6371.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	14763.2	0.0	14763.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	21134.3	0.0	21134.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.6	3.4
10°-20°	1551.3	7.3
20°-30°	2343.8	11.1
30°-40°	3386.9	16.0
40°-50°	4507.4	21.3
50°-60°	5041.7	23.9
60°-70°	2841.4	13.4
70°-80°	633.4	3.0
80°-90°	112.8	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°	21134.3	100.0
0°-180°	21134.3	100.0

Coefficient of Utilization

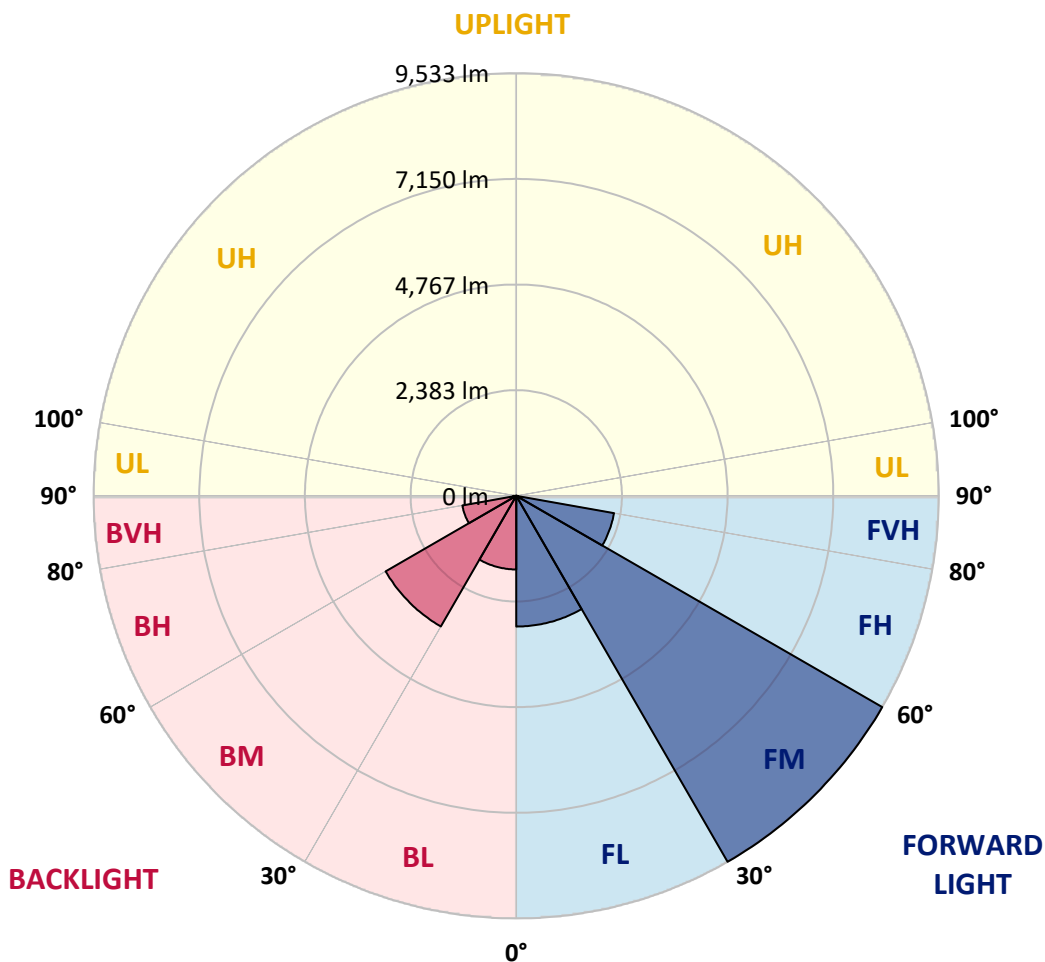


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2949.2	14.0			
FM (30°-60°)	9533.2	45.1			
FH (60°-80°)	2239.9	10.6			G2/5000
FVH (80°-90°)	40.8	0.2			G1/100
BL (0°-30°)	1661.4	7.9	B3/2500		
BM (30°-60°)	3402.8	16.1	B3/5000		
BH (60°-80°)	1234.9	5.8	B3/2500		G3/2500
BVH (80°-90°)	72.0	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°	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5
2.5°	9535.8	9688.9	9523.5	9229.5	9021.2	8831.3	8632.1	8592.3	8332.0	8286.0	8096.1
5°	8993.6	8959.8	8757.8	8371.7	7945.9	7560.0	7275.2	6999.4	6812.6	6595.1	6579.7
7.5°	8335.0	8138.9	8022.6	7437.5	6910.6	6304.1	6043.7	5624.0	5492.3	5296.3	5195.2
10°	7746.9	7602.9	7330.2	6745.2	6010.0	5608.7	5330.0	5103.3	4950.1	4747.9	4493.7
12.5°	7455.9	7397.7	7091.3	6184.6	5639.3	5210.5	5014.5	4794.0	4533.6	4208.9	4083.2
15°	7507.9	7311.9	7079.1	6077.4	5323.9	4910.3	4597.9	4322.2	3988.3	3679.0	3498.2
17.5°	7897.0	7746.9	7281.2	6144.8	5204.4	4607.1	4040.3	3633.0	3332.8	3054.0	2928.4
20°	8662.7	8445.2	7921.5	6230.5	4947.1	4184.3	3535.0	3032.6	2711.0	2563.9	2521.0
22.5°	9511.3	9382.6	8546.3	6423.6	4741.8	3792.2	2998.9	2496.5	2377.1	2337.2	2416.9
25°	10543.5	10209.7	9517.4	6739.1	4582.5	3458.4	2545.5	2266.7	2205.5	2245.3	2337.2
27.5°	11327.8	11238.9	10197.5	7036.2	4365.0	3057.1	2291.3	2107.5	2125.9	2165.7	2251.4
30°	12258.9	11808.6	10856.0	7241.4	4169.0	2781.4	2113.6	2064.6	2083.0	2150.4	2193.2
32.5°	12819.5	12651.1	11269.6	7550.8	3942.4	2542.4	1975.8	1929.8	1957.4	2058.5	2159.6
35°	13533.3	13199.3	11781.1	7630.5	3783.1	2447.5	1877.8	1844.1	1908.4	1978.9	2092.2
37.5°	14366.5	14136.7	12488.7	7575.3	3697.3	2349.5	1795.0	1779.7	1825.6	1923.7	2055.4
40°	14859.6	14789.2	12859.3	7609.0	3562.5	2263.7	1700.1	1718.5	1813.4	1890.0	2018.7
42.5°	15334.5	14874.9	13407.6	7596.8	3476.8	2147.3	1709.2	1687.8	1761.3	1850.2	1972.7
45°	15438.6	14982.2	13536.3	7511.0	3372.6	2034.0	1638.9	1648.0	1736.8	1847.1	1926.7
47.5°	15371.2	15034.2	13775.2	7486.5	3274.6	1954.3	1534.7	1644.9	1697.1	1785.9	1899.2
50°	15325.2	15306.9	13977.4	7602.9	3142.8	1828.8	1409.1	1605.1	1657.2	1746.0	1868.5
52.5°	15729.6	15689.8	14482.9	7909.2	3038.7	1693.9	1280.4	1504.0	1629.6	1715.4	1834.9
55°	15974.6	15800.0	15349.8	8286.0	2864.1	1516.3	1191.6	1378.5	1562.2	1638.9	1761.3
57.5°	14369.5	14250.1	13885.5	7734.6	2570.0	1283.5	1081.3	1249.8	1470.3	1589.8	1715.4
60°	11955.7	11768.9	10834.6	6573.7	1896.1	998.6	1013.9	1148.7	1445.8	1491.8	1638.9
62.5°	11272.6	10810.0	9538.9	5290.1	1455.0	857.7	909.8	1056.8	1317.2	1393.8	1540.8
65°	8944.5	8601.5	6824.8	3819.8	974.1	744.4	830.2	952.7	1136.4	1286.6	1421.3
67.5°	5599.5	5271.8	3642.1	1807.3	680.0	637.1	741.3	869.9	1020.0	1154.9	1304.9
70°	2925.3	2567.0	1681.7	652.4	468.7	520.7	618.8	741.3	888.3	998.6	1115.0
72.5°	1090.5	885.2	548.3	281.8	324.7	398.2	502.3	591.2	695.3	830.2	894.5
75°	168.5	144.0	140.9	171.6	220.5	288.0	358.4	447.2	539.2	624.9	667.8
77.5°	79.6	76.6	85.8	113.4	147.0	205.2	260.4	346.2	419.7	474.8	499.3
80°	52.1	49.0	55.2	76.6	110.3	153.1	208.3	266.5	333.9	379.9	373.7
82.5°	30.6	33.7	33.7	52.1	76.6	110.3	150.1	202.2	248.1	288.0	263.4
85°	18.4	15.3	15.3	30.6	52.1	88.8	125.6	85.8	88.8	88.8	101.1
87.5°	6.1	6.1	6.1	3.0	6.1	6.1	9.2	15.3	18.4	21.4	27.6
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°	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5
2.5°	8089.9	8184.9	8151.2	8031.7	8123.6	8138.9	8077.7	8289.1	8328.8	8264.5	8282.9
5°	6558.4	6582.8	6638.0	6754.4	6837.1	6935.1	6935.1	6941.2	6858.5	7066.8	7005.5
7.5°	5109.4	5124.7	5189.1	5437.2	5507.6	5694.5	5774.1	5719.1	5553.6	5483.2	5541.3
10°	4411.0	4322.2	4300.7	4331.4	4490.7	4570.3	4637.7	4619.4	4591.8	4536.6	4475.4
12.5°	3945.4	3881.0	3829.0	3755.5	3764.7	3841.3	3893.3	3850.4	3862.7	3875.0	3893.3
15°	3439.9	3394.0	3366.4	3256.2	3243.9	3296.0	3314.4	3338.9	3384.9	3387.9	3366.4
17.5°	2903.9	2864.1	2925.3	2986.6	2943.8	2946.8	2980.5	3001.9	2989.7	2934.6	2907.0
20°	2536.4	2579.3	2640.5	2698.7	2744.6	2772.2	2784.5	2750.7	2711.0	2597.6	2594.6
22.5°	2429.1	2484.2	2536.4	2625.2	2668.1	2738.5	2674.2	2597.6	2542.4	2487.3	2423.0
25°	2349.5	2395.4	2499.6	2533.3	2616.0	2674.2	2628.2	2551.7	2456.7	2377.1	2328.1
27.5°	2291.3	2343.4	2410.7	2502.6	2567.0	2600.6	2554.7	2524.1	2426.0	2331.1	2260.6
30°	2254.6	2309.6	2432.2	2508.8	2563.9	2591.5	2511.8	2475.1	2404.6	2324.9	2263.7
32.5°	2230.0	2279.0	2383.1	2481.2	2518.0	2518.0	2530.2	2487.3	2389.3	2254.6	2202.4
35°	2150.4	2217.8	2303.5	2416.9	2484.2	2524.1	2462.8	2413.8	2349.5	2211.7	2116.7
37.5°	2104.4	2150.4	2260.6	2367.8	2426.0	2468.9	2444.5	2358.7	2272.9	2159.6	2083.0
40°	2055.4	2128.9	2227.0	2328.1	2392.4	2435.3	2416.9	2315.8	2211.7	2104.4	2052.4
42.5°	2021.7	2070.7	2171.8	2285.2	2361.7	2444.5	2389.3	2263.7	2190.2	2043.1	1984.9
45°	1994.2	2073.8	2181.0	2227.0	2306.6	2392.4	2294.3	2217.8	2132.0	2024.8	1975.8
47.5°	1960.5	2034.0	2104.4	2227.0	2263.7	2303.5	2285.2	2162.6	2089.1	1972.7	1939.0
50°	1948.2	1975.8	2104.4	2171.8	2223.9	2263.7	2214.7	2122.8	2052.4	1932.9	1859.4
52.5°	1899.2	1951.3	2034.0	2122.8	2187.1	2236.1	2156.5	2098.3	2003.3	1877.8	1831.8
55°	1837.9	1868.5	2015.6	2107.5	2141.2	2174.9	2144.2	2049.3	1951.3	1822.6	1776.7
57.5°	1758.3	1828.8	1948.2	2076.8	2119.7	2138.2	2089.1	2012.5	1890.0	1776.7	1703.1
60°	1675.6	1749.1	1880.8	1984.9	2027.8	2095.3	2021.7	1975.8	1834.9	1709.2	1629.6
62.5°	1592.9	1675.6	1773.6	1905.3	1942.0	1969.6	1951.3	1887.0	1773.6	1632.7	1534.7
65°	1494.9	1556.1	1678.6	1746.0	1770.6	1834.9	1770.6	1746.0	1644.9	1510.2	1427.4
67.5°	1347.8	1399.8	1507.1	1571.4	1589.8	1617.4	1614.3	1586.7	1473.4	1381.5	1308.0
70°	1179.3	1225.3	1292.7	1369.2	1378.5	1412.1	1381.5	1375.4	1301.9	1176.3	1136.4
72.5°	946.5	989.4	1078.2	1112.0	1115.0	1127.3	1112.0	1090.5	1072.1	940.4	900.5
75°	726.0	750.5	793.4	824.0	824.0	839.3	830.2	808.7	759.7	677.0	637.1
77.5°	505.4	529.9	585.1	603.4	600.4	606.5	578.9	557.5	484.0	441.1	407.4
80°	367.6	382.9	410.5	422.7	425.8	435.0	401.2	382.9	340.0	291.0	275.7
82.5°	266.5	275.7	278.8	294.1	294.1	278.8	269.5	251.2	220.5	189.9	177.7
85°	110.3	113.4	116.4	134.8	137.8	165.4	153.1	144.0	125.6	107.2	98.1
87.5°	27.6	30.6	39.9	33.7	39.9	39.9	42.9	49.0	49.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5
2.5°	8353.4	8377.9	8690.3	8730.2	8883.3	9039.5	9355.0	9581.7	9765.5	9884.9	9918.7
5°	7069.9	7226.1	7370.1	7602.9	7814.2	8114.5	8460.5	8889.5	9428.5	9704.2	9814.6
7.5°	5535.2	5719.1	5927.3	6154.0	6463.3	7002.5	7465.1	7961.2	8650.5	8935.4	9367.3
10°	4518.3	4723.5	4999.2	5173.7	5547.5	6062.1	6601.2	7174.1	7832.7	8243.1	8742.4
12.5°	3994.4	4162.9	4417.2	4784.7	5063.5	5397.4	5798.7	6521.5	7465.1	7854.1	8197.1
15°	3415.5	3602.3	3896.4	4303.8	4637.7	5035.9	5486.2	6273.4	7278.2	7878.6	8169.6
17.5°	2937.6	3072.4	3381.7	3734.0	4116.9	4551.9	5198.3	6261.2	7474.2	8243.1	8717.9
20°	2606.8	2625.2	2793.6	3093.9	3614.6	4181.3	5020.6	6199.9	8102.2	8871.0	9471.4
22.5°	2398.5	2380.1	2383.1	2637.5	3001.9	3816.8	4741.8	6408.3	8816.0	9869.6	10274.0
25°	2294.3	2245.3	2214.7	2269.9	2600.6	3384.9	4530.5	6683.9	9584.8	10693.7	11189.9
27.5°	2239.2	2153.5	2092.2	2101.3	2343.4	3167.4	4398.8	6803.4	10347.5	11842.4	12017.0
30°	2217.8	2110.6	2021.7	1991.1	2150.4	2864.1	4116.9	7008.6	11030.6	12473.4	12623.5
32.5°	2141.2	2009.5	1923.7	1896.1	1960.5	2597.6	3914.8	7155.6	11634.1	13159.5	13107.5
35°	2052.4	1942.0	1834.9	1782.8	1828.8	2426.0	3752.5	7085.2	12344.7	13692.6	13665.0
37.5°	2043.1	1899.2	1810.3	1724.6	1721.5	2214.7	3531.9	7152.6	12798.1	14648.3	14271.5
40°	1963.5	1871.6	1755.3	1684.8	1644.9	2107.5	3317.5	6993.3	13462.8	15034.2	14663.6
42.5°	1966.6	1828.8	1727.7	1644.9	1605.1	1951.3	3170.4	6950.4	13695.6	15662.2	14847.4
45°	1917.6	1782.8	1697.1	1599.0	1577.5	1831.8	3029.5	6751.3	14106.1	15692.8	14617.7
47.5°	1868.5	1749.1	1657.2	1540.8	1491.8	1788.9	2919.3	6585.9	13891.6	15404.8	14299.0
50°	1834.9	1697.1	1611.3	1528.5	1390.7	1715.4	2775.3	6546.1	13591.5	15015.9	13707.9
52.5°	1776.7	1654.2	1565.3	1500.9	1280.4	1648.0	2720.1	6778.9	13959.0	14724.8	13536.3
55°	1721.5	1596.0	1482.6	1357.0	1188.5	1470.3	2567.0	6996.4	14495.1	15395.7	14314.4
57.5°	1663.3	1543.8	1421.3	1271.3	1099.7	1286.6	2407.7	7036.2	13490.4	14228.6	13588.4
60°	1586.7	1433.6	1341.6	1145.6	1004.7	1066.0	1908.4	6203.0	10463.9	11882.2	11903.6
62.5°	1500.9	1335.6	1255.9	1026.2	906.7	919.0	1556.1	5213.6	8488.1	9836.0	10421.0
65°	1387.6	1228.4	1133.4	949.6	836.3	796.4	1139.6	3819.8	6448.0	7979.7	8644.4
67.5°	1240.6	1090.5	971.0	827.0	747.4	683.1	778.1	2150.4	3807.5	5357.6	5559.7
70°	1084.4	955.7	830.2	710.6	621.8	575.9	569.8	952.7	1819.6	2882.4	3280.7
72.5°	854.6	762.7	661.6	572.8	514.6	447.2	407.4	395.2	615.7	1173.2	1620.4
75°	612.7	536.1	477.9	419.7	376.8	340.0	309.4	281.8	257.3	294.1	404.4
77.5°	385.9	358.4	312.4	297.1	272.7	263.4	251.2	235.9	217.5	205.2	205.2
80°	260.4	242.0	226.6	223.6	214.5	211.3	214.5	199.1	180.7	165.4	171.6
82.5°	174.6	171.6	168.5	165.4	168.5	171.6	177.7	174.6	159.3	150.1	153.1
85°	104.1	110.3	116.4	122.5	134.8	119.5	98.1	82.7	73.5	67.4	64.3
87.5°	39.9	55.2	49.0	45.9	49.0	45.9	42.9	39.9	33.7	30.6	30.6
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: P652454

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5	9379.5
2.5°	10142.3	10203.5	10255.7	10243.4	10136.2	9992.2	9934.0	9636.9	9575.6	9535.8
5°	10280.1	10635.5	10712.1	10666.1	10387.4	10035.1	9692.0	9257.1	9002.7	8993.6
7.5°	10025.9	10463.9	10601.7	10705.9	10335.3	9722.6	9134.5	8482.0	8322.7	8335.0
10°	9379.5	10078.0	10418.0	10525.2	10099.4	9569.5	8754.6	8093.0	7753.0	7746.9
12.5°	9021.2	9569.5	9664.4	9814.6	9688.9	9152.9	8534.1	7792.8	7461.9	7455.9
15°	8702.6	9064.0	9091.6	9303.0	9370.3	9008.9	8592.3	7802.0	7535.5	7507.9
17.5°	8981.3	8730.2	8626.0	8653.6	8852.7	8984.4	8929.2	8322.7	8050.1	7897.0
20°	9168.2	8607.6	8292.1	8322.7	8558.6	9039.5	9431.6	9076.3	8644.4	8662.7
22.5°	9667.5	8626.0	8132.8	8099.1	8472.8	9327.4	9998.3	10028.9	9612.4	9511.3
25°	10414.9	8837.4	8083.8	8074.6	8433.0	9636.9	10659.9	11156.2	10730.4	10543.5
27.5°	11015.3	9168.2	8237.0	8267.6	8558.6	9888.1	11223.6	11882.2	11557.5	11327.8
30°	11542.1	9511.3	8451.4	8310.5	8895.6	10019.8	11465.6	12709.3	12448.9	12258.9
32.5°	11759.6	9998.3	8791.4	8558.6	9174.3	10179.0	11967.9	13511.8	13288.2	12819.5
35°	12127.2	10271.0	8975.2	8956.8	9661.3	10562.0	12203.8	14041.8	13949.8	13533.3
37.5°	12421.3	10546.6	9627.7	9425.5	10329.2	11205.2	12583.6	14773.8	14562.5	14366.5
40°	12648.0	11039.8	10237.2	10503.8	11150.1	11790.3	12932.9	14819.8	15429.4	14859.6
42.5°	12439.7	11480.9	11238.9	11876.1	12488.7	12458.1	12972.7	15175.2	15631.6	15334.5
45°	12387.6	12228.3	12822.6	13401.5	13542.5	13012.5	12687.8	14783.0	15570.3	15438.6
47.5°	12262.0	12963.5	13998.9	14942.3	14727.9	13383.2	12347.8	14712.6	15607.0	15371.2
50°	12219.1	13122.8	14868.8	15787.8	15659.1	13704.8	12188.5	14259.2	15346.7	15325.2
52.5°	12216.1	13450.5	15230.3	16247.3	16326.9	14213.3	12406.0	14489.0	15548.8	15729.6
55°	12354.0	13346.4	15184.3	15993.0	15962.3	13986.6	12430.5	14642.1	15797.0	15974.6
57.5°	11652.5	11955.7	12531.6	13171.8	13006.4	11585.0	11101.0	13536.3	14498.2	14369.5
60°	10062.6	9113.1	8463.7	8433.0	8111.4	7667.2	9085.5	12081.3	12081.3	11955.7
62.5°	8812.8	5982.5	5140.0	4901.1	5130.9	5642.4	8763.8	11750.5	11416.6	11272.6
65°	7707.0	4567.2	3715.7	3648.3	4046.5	4818.4	7924.5	10010.6	9422.4	8944.5
67.5°	4959.4	3345.0	2763.0	2643.5	3124.5	3538.0	5274.8	6157.0	5786.4	5599.5
70°	3198.0	2177.9	1537.8	1442.7	1629.6	2181.0	3369.6	3590.1	3051.0	2925.3
72.5°	1513.2	940.4	539.2	444.1	499.3	833.2	1332.5	1433.6	1191.6	1090.5
75°	480.9	346.2	220.5	189.9	180.7	214.5	306.3	235.9	171.6	168.5
77.5°	214.5	205.2	174.6	147.0	128.7	107.2	88.8	73.5	76.6	79.6
80°	177.7	162.3	144.0	128.7	107.2	82.7	64.3	49.0	49.0	52.1
82.5°	156.3	140.9	125.6	107.2	91.9	67.4	49.0	33.7	30.6	30.6
85°	67.4	79.6	85.8	91.9	73.5	55.2	33.7	21.4	18.4	18.4
87.5°	27.6	24.5	21.4	18.4	15.3	15.3	12.3	9.2	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)