

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: P457339

Luminaire Tested: **GALN-SA8C-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457339
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 38886 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 429
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

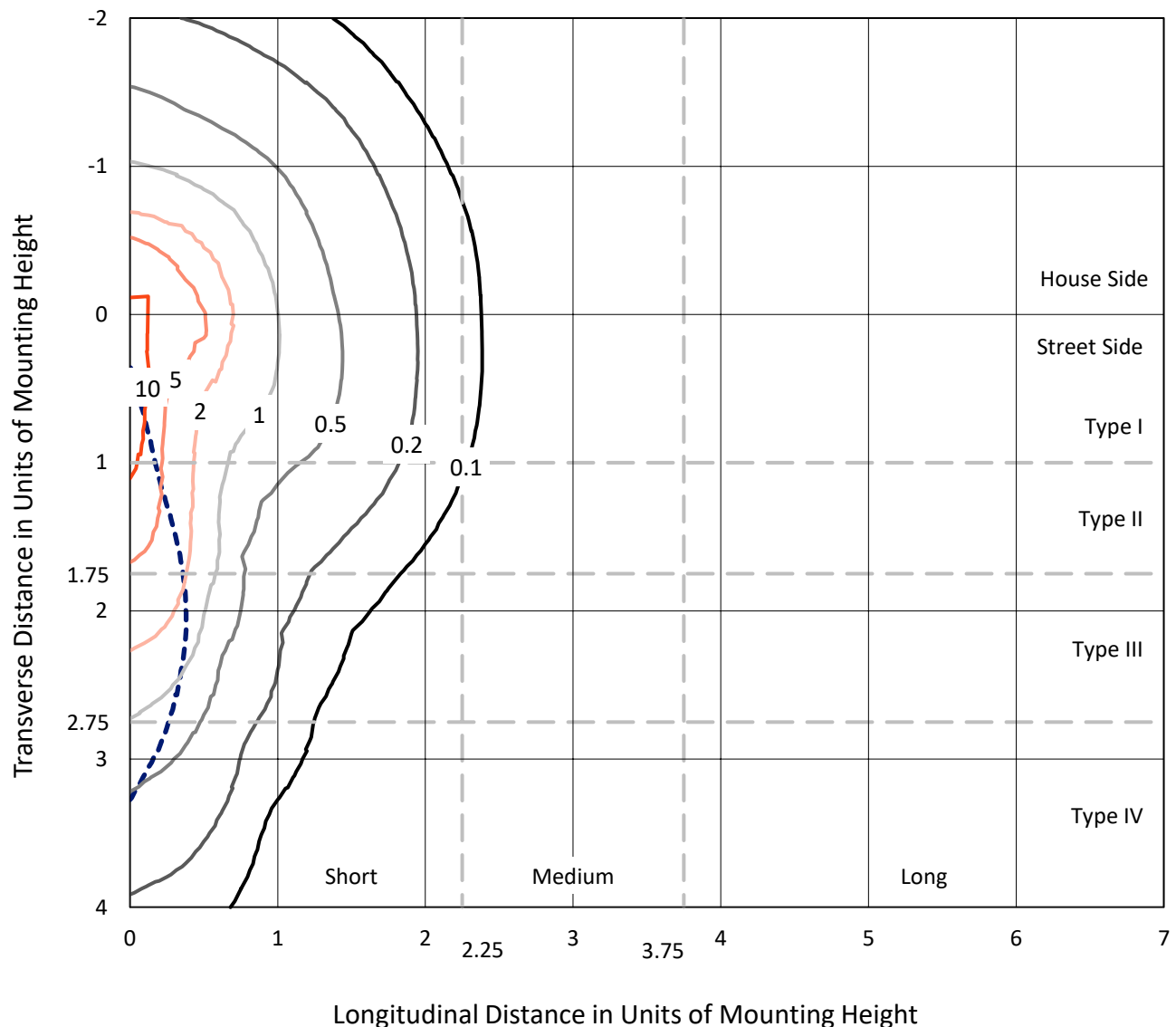


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

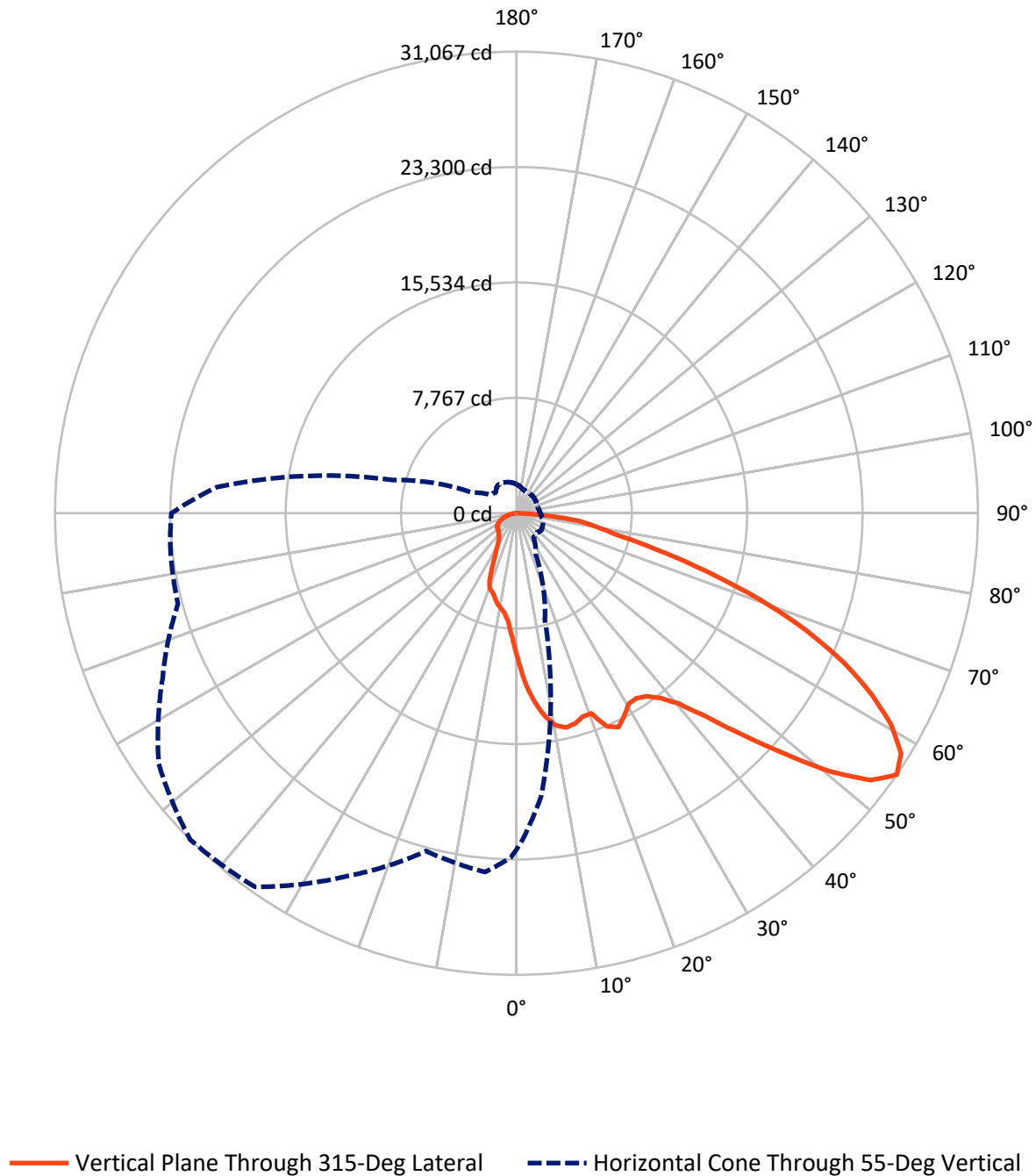


Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8506.1	0.0	8506.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30379.9	0.0	30379.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	38886.0	0.0	38886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.1	2.1
10°-20°	2194.3	5.6
20°-30°	3790.7	9.7
30°-40°	4405.5	11.3
40°-50°	6146.5	15.8
50°-60°	8340.1	21.4
60°-70°	7934.6	20.4
70°-80°	4286.5	11.0
80°-90°	960.7	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°	38886.0	100.0
0°-180°	38886.0	100.0

Coefficient of Utilization



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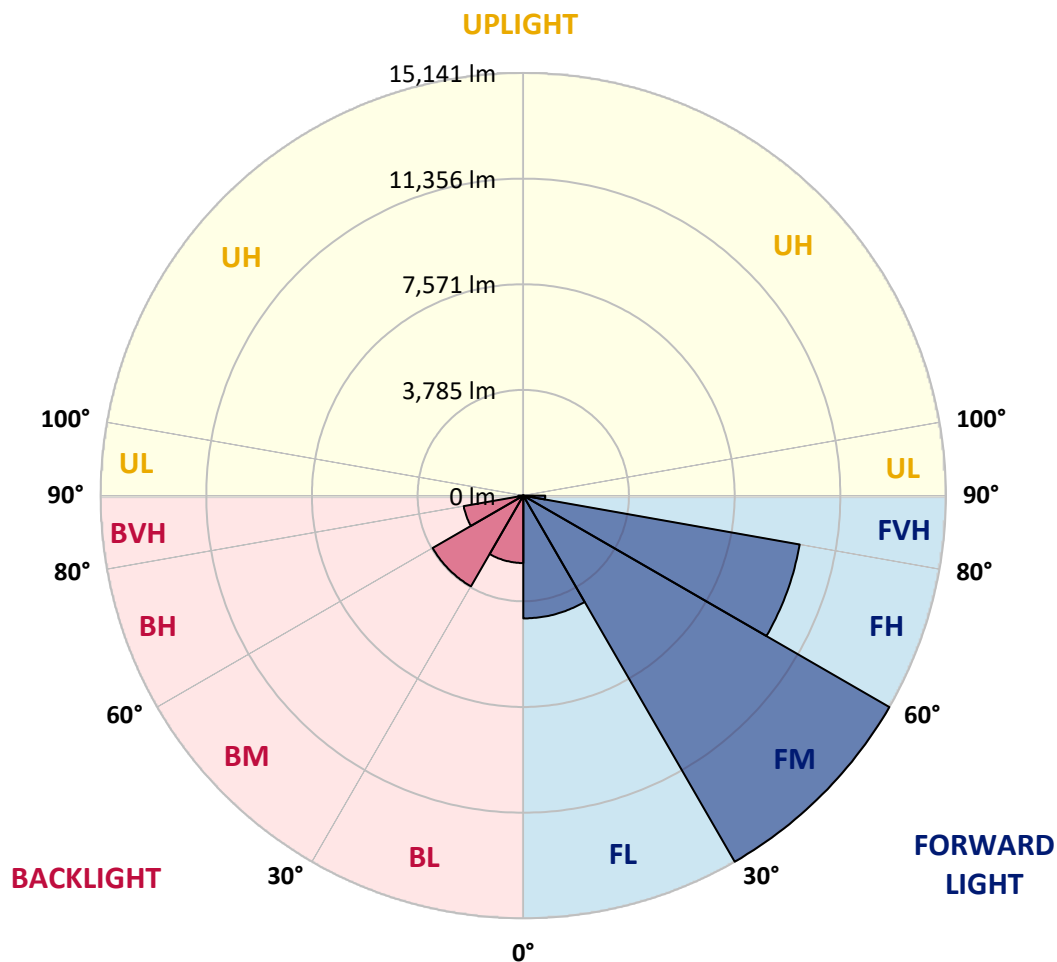
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4398.1	11.3			
FM	(30°-60°)	15141.4	38.9			
FH	(60°-80°)	10055.3	25.9			G4/12000
FVH	(80°-90°)	785.1	2.0			G5
BL	(0°-30°)	2414.1	6.2	B3/2500		
BM	(30°-60°)	3750.7	9.6	B3/5000		
BH	(60°-80°)	2165.9	5.6	B3/2500		G3/2500
BVH	(80°-90°)	175.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9
2.5°	10841.5	10800.4	10685.0	10382.3	10077.0	9766.6	9528.0	9230.4	8920.0	8753.2	8540.3
5°	10990.3	10944.1	10672.2	9989.8	9371.5	8722.4	8204.2	7750.1	7565.4	7293.5	7075.4
7.5°	10641.4	10620.8	10212.9	9233.0	8386.4	7537.2	6949.7	6585.4	6254.5	6131.4	6157.0
10°	10323.3	10241.2	9730.6	8450.5	7462.8	6772.7	6352.0	5995.4	5761.9	5700.4	5713.2
12.5°	10059.0	9948.7	9345.8	7924.6	7060.0	6508.5	5972.3	5600.3	5387.4	5446.4	5646.5
15°	10005.1	9856.4	9184.2	7745.0	6839.4	6128.8	5541.3	5112.9	4953.8	5082.1	5402.8
17.5°	10354.0	10166.8	9461.3	7804.0	6629.1	5741.4	5020.5	4530.5	4397.1	4602.4	5020.5
20°	11475.1	11198.1	10325.8	8145.2	6608.5	5549.0	4717.8	4225.3	4281.7	4671.6	5107.8
22.5°	13548.0	13132.4	11839.4	8642.9	6716.3	5500.3	4656.2	4399.7	4710.1	5041.1	5328.4
25°	13958.5	13632.7	12111.4	8755.8	6693.2	5466.9	4830.7	4959.0	5305.3	5469.5	5369.4
27.5°	14189.4	13817.4	12093.4	8196.5	5985.1	4959.0	4617.8	4830.7	4917.9	4758.9	4486.9
30°	14728.1	14340.7	12398.7	7609.0	4928.2	3678.8	3224.7	3137.5	3196.5	3227.3	3129.8
32.5°	15469.5	15087.2	12973.3	7224.2	4261.2	3042.6	2596.2	2473.1	2444.8	2411.5	2373.0
35°	16429.0	15841.5	13537.7	6977.9	3986.7	2814.3	2403.8	2308.9	2270.4	2224.2	2183.2
37.5°	17403.8	16788.1	14250.9	6718.8	3804.5	2655.2	2275.5	2231.9	2165.2	2116.5	2057.5
40°	18440.3	17750.2	14900.0	6493.1	3627.5	2552.6	2183.2	2178.0	2090.8	2034.4	1965.1
42.5°	19338.2	18627.5	15479.8	6354.6	3491.5	2444.8	2126.7	2142.1	2052.3	1967.7	1877.9
45°	20051.3	19353.5	16015.9	6354.6	3381.2	2337.1	2116.5	2106.2	2016.4	1911.2	1808.6
47.5°	20677.3	19956.4	16539.3	6516.2	3312.0	2247.3	2060.0	2078.0	1985.6	1852.2	1752.2
50°	21162.2	20525.9	17244.8	6767.6	3242.7	2175.5	1988.2	2085.7	1960.0	1821.4	1706.0
52.5°	21780.4	21210.9	18093.9	7111.4	3183.7	2096.0	1924.1	2085.7	1957.4	1824.0	1698.3
55°	22637.3	22037.0	19117.5	7396.1	3088.8	2021.6	1867.6	2026.7	1949.7	1811.2	1677.8
57.5°	23237.6	22788.6	19841.0	7586.0	2952.8	1926.6	1816.3	1970.2	1916.4	1762.4	1616.2
58°	23265.8	22827.1	19946.2	7629.6	2919.5	1908.7	1803.5	1944.6	1901.0	1741.9	1595.7
60°	22942.6	22565.5	19966.7	7568.0	2729.6	1818.9	1736.8	1839.4	1818.9	1621.3	1485.4
62.5°	21767.6	21364.8	19138.1	7067.7	2478.2	1708.6	1634.2	1698.3	1652.1	1452.0	1326.3
65°	20097.5	19356.1	17434.6	6282.7	2298.6	1590.6	1495.6	1500.8	1452.0	1308.4	1198.1
67.5°	17873.3	17044.7	14761.4	5295.0	2162.7	1459.7	1331.5	1318.6	1259.6	1167.3	1077.5
70°	15136.0	14569.0	11995.9	4307.3	2011.3	1316.1	1146.7	1139.0	1103.1	1033.9	954.3
72.5°	12267.9	11547.0	9687.0	3447.9	1826.6	1177.5	974.9	990.3	944.1	895.3	823.5
75°	9053.4	8581.3	7488.5	2765.5	1577.7	1026.2	813.2	818.4	797.8	746.5	690.1
77.5°	5962.0	5820.9	5356.6	1816.3	1213.4	815.8	664.4	669.6	654.2	608.0	549.0
80°	4012.3	3917.4	3630.1	1169.8	810.7	590.0	513.1	518.2	515.6	466.9	387.4
82.5°	2473.1	2432.0	2339.7	790.2	561.8	423.3	338.6	354.0	382.2	328.4	264.2
85°	1167.3	1169.8	1413.5	431.0	330.9	271.9	184.7	197.5	197.5	197.5	148.8
87.5°	151.4	159.1	195.0	182.1	120.6	102.6	66.7	56.4	48.7	64.1	46.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9
2.5°	8465.9	8414.6	8304.3	8278.6	8263.2	8306.8	8191.4	8222.2	8170.9	8314.5	8291.4
5°	7088.3	7093.4	7183.2	7242.2	7262.7	7242.2	7165.2	7031.8	6929.2	6888.2	6898.4
7.5°	6108.3	6198.1	6352.0	6523.9	6680.4	6726.5	6682.9	6428.9	6151.9	5977.4	5921.0
10°	5782.5	5903.0	6080.1	6216.0	6354.6	6464.9	6488.0	6290.4	5962.0	5549.0	5387.4
12.5°	5800.4	5964.6	6133.9	6177.5	6164.7	6208.3	6187.8	6154.4	5939.0	5413.0	5143.7
15°	5631.1	5826.1	5944.1	5921.0	5879.9	5841.5	5787.6	5702.9	5626.0	5256.6	4959.0
17.5°	5241.2	5441.3	5538.7	5546.4	5546.4	5536.2	5405.3	5374.6	5364.3	5184.7	5002.6
20°	5313.0	5423.3	5379.7	5307.9	5328.4	5397.6	5320.7	5305.3	5364.3	5443.8	5410.5
22.5°	5354.0	5315.6	4987.2	4669.1	4597.2	4812.7	4856.3	5028.2	5266.8	5554.1	5741.4
25°	5100.1	4789.6	4202.2	3843.0	3640.3	3840.4	4102.1	4420.2	4776.8	5146.2	5364.3
27.5°	4263.7	4027.7	3607.0	3283.7	3106.7	3137.5	3360.7	3650.6	3981.5	4230.4	4389.4
30°	3211.9	3106.7	2888.7	2778.4	2670.6	2645.0	2739.9	2850.2	2996.4	3027.2	3068.2
32.5°	2365.3	2349.9	2362.8	2326.8	2306.3	2303.7	2275.5	2301.2	2316.6	2334.5	2298.6
35°	2139.6	2119.0	2083.1	2072.9	2060.0	2065.2	2052.3	2039.5	2049.8	2065.2	2075.4
37.5°	2024.1	1993.3	1942.0	1924.1	1924.1	1931.8	1911.2	1906.1	1924.1	1972.8	1998.5
40°	1934.3	1898.4	1839.4	1816.3	1831.7	1852.2	1824.0	1813.8	1857.4	1908.7	1949.7
42.5°	1849.7	1821.4	1765.0	1739.4	1752.2	1790.7	1749.6	1741.9	1798.4	1854.8	1903.5
45°	1777.8	1749.6	1698.3	1685.5	1690.6	1726.5	1698.3	1698.3	1752.2	1813.8	1857.4
47.5°	1721.4	1685.5	1652.1	1641.9	1647.0	1667.5	1662.4	1662.4	1713.7	1777.8	1821.4
50°	1665.0	1634.2	1590.6	1595.7	1608.5	1636.7	1634.2	1641.9	1693.2	1772.7	1818.9
52.5°	1639.3	1593.1	1544.4	1549.5	1588.0	1621.3	1611.1	1618.8	1677.8	1826.6	1893.3
55°	1611.1	1549.5	1493.1	1500.8	1544.4	1593.1	1580.3	1590.6	1659.8	1862.5	1954.9
57.5°	1557.2	1485.4	1423.8	1428.9	1493.1	1544.4	1523.9	1536.7	1618.8	1824.0	1921.5
58°	1534.1	1472.6	1413.5	1416.1	1477.7	1534.1	1511.0	1521.3	1606.0	1813.8	1906.1
60°	1436.6	1400.7	1349.4	1352.0	1411.0	1459.7	1446.9	1457.2	1539.3	1739.4	1808.6
62.5°	1303.2	1282.7	1269.9	1269.9	1305.8	1352.0	1364.8	1377.6	1452.0	1572.6	1634.2
65°	1159.6	1159.6	1162.1	1162.1	1185.2	1244.2	1251.9	1285.3	1354.5	1413.5	1459.7
67.5°	1062.1	1057.0	1062.1	1049.3	1059.5	1095.4	1133.9	1164.7	1236.5	1277.6	1293.0
70°	936.4	933.8	936.4	918.4	931.2	962.0	987.7	1039.0	1113.4	1144.2	1151.9
72.5°	813.2	813.2	818.4	805.5	805.5	838.9	856.9	913.3	982.6	1000.5	1003.1
75°	685.0	692.7	692.7	674.7	679.8	700.4	723.4	769.6	833.8	846.6	846.6
77.5°	543.9	572.1	572.1	554.1	561.8	564.4	595.2	618.3	667.0	672.1	651.6
80°	395.1	423.3	446.4	431.0	443.8	428.4	446.4	461.8	510.5	487.4	454.1
82.5°	282.2	302.7	320.7	323.2	310.4	282.2	305.3	307.9	330.9	300.2	282.2
85°	156.5	174.4	197.5	187.3	166.8	148.8	156.5	161.6	159.1	151.4	141.1
87.5°	41.0	43.6	48.7	35.9	33.4	28.2	38.5	38.5	43.6	46.2	43.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9
2.5°	8309.4	8422.3	8666.0	8850.7	9076.5	9351.0	9674.2	10000.0	10351.5	10461.8	10615.7
5°	6875.3	7157.5	7275.5	7611.6	7945.1	8445.4	8979.0	9597.2	10274.5	10600.3	10913.3
7.5°	5874.8	6026.2	6149.3	6395.6	6795.8	7403.8	8073.4	8845.6	9805.0	10279.6	10738.9
10°	5336.1	5351.5	5502.8	5808.1	6157.0	6693.2	7326.8	8191.4	9261.2	9838.4	10377.1
12.5°	4979.5	4912.8	5077.0	5395.1	5790.2	6285.3	6867.6	7691.1	8868.7	9461.3	10112.9
15°	4666.5	4561.3	4684.5	5010.3	5400.2	5982.6	6608.5	7480.8	8714.7	9404.8	10128.3
17.5°	4674.2	4384.3	4427.9	4702.4	5089.8	5682.4	6441.8	7473.1	8948.2	9743.5	10600.3
20°	5251.4	4787.1	4589.5	4640.8	5015.4	5661.9	6518.7	7832.2	9715.3	10874.8	11790.7
22.5°	5818.4	5538.7	5220.6	5115.5	5320.7	5998.0	7008.7	8681.4	11382.8	13129.8	14784.5
25°	5620.8	5859.4	5779.9	5631.1	5677.3	6239.1	7342.2	9379.2	12678.3	14646.0	16200.6
27.5°	4497.2	4930.7	5018.0	5015.4	5033.4	5495.1	6603.4	8909.7	12839.9	14935.9	16421.3
30°	3160.6	3199.1	3245.3	3335.0	3417.1	3830.2	5166.8	7822.0	12768.1	15066.7	16554.7
32.5°	2280.7	2332.0	2396.1	2519.2	2714.2	3240.1	4520.3	7475.6	13147.8	15608.0	16944.6
35°	2085.7	2144.7	2206.3	2347.4	2532.1	3019.5	4263.7	7332.0	13771.2	16485.4	17645.0
37.5°	2024.1	2090.8	2144.7	2247.3	2396.1	2860.4	4030.3	7234.5	14410.0	17414.1	18583.9
40°	1980.5	2057.5	2101.1	2183.2	2285.8	2714.2	3822.5	7157.5	15028.2	18263.2	19338.2
42.5°	1942.0	2021.6	2078.0	2137.0	2221.7	2583.4	3637.8	7080.6	15564.4	19086.7	20089.8
45°	1895.8	1995.9	2067.7	2113.9	2188.3	2473.1	3496.7	7019.0	16175.0	19817.9	20849.2
47.5°	1857.4	1967.7	2057.5	2111.3	2139.6	2396.1	3383.8	7103.7	16908.7	20582.4	21554.7
50°	1859.9	1965.1	2078.0	2162.7	2088.3	2332.0	3314.5	7439.7	17863.0	21490.5	22111.4
52.5°	1942.0	2070.3	2160.1	2180.6	2016.4	2255.0	3278.6	8027.2	18991.8	22293.5	22673.2
55°	2034.4	2167.8	2265.3	2252.4	1977.9	2157.5	3270.9	8653.2	20228.4	23229.9	23404.3
57.5°	2001.0	2196.0	2344.8	2278.1	1980.5	2062.6	3237.6	9158.6	21262.2	23930.3	24127.8
58°	1990.8	2185.7	2355.1	2273.0	1972.8	2034.4	3229.9	9202.2	21405.9	23979.0	24230.4
60°	1890.7	2096.0	2347.4	2234.5	1929.2	1957.4	3145.2	9343.3	21367.4	23727.6	24292.0
62.5°	1708.6	1877.9	2170.3	2047.2	1795.8	1854.8	2955.4	9168.8	20325.8	22516.7	23391.5
65°	1503.3	1629.0	1824.0	1800.9	1606.0	1749.6	2696.3	8478.7	18240.2	20551.6	21472.6
67.5°	1349.4	1452.0	1575.2	1541.8	1444.3	1608.5	2416.6	7311.5	15900.5	18191.4	19351.0
70°	1192.9	1272.4	1334.0	1310.9	1280.1	1470.0	2167.8	5933.8	13658.3	15949.2	17072.9
72.5°	1033.9	1108.3	1159.6	1126.2	1108.3	1323.8	1965.1	4604.9	10787.6	13158.1	14602.4
75°	864.5	938.9	974.9	936.4	926.1	1167.3	1665.0	3440.2	8093.9	10143.7	11390.5
77.5°	669.6	749.1	795.3	782.5	787.6	959.5	1344.3	2355.1	5787.6	6913.8	8227.3
80°	469.5	556.7	587.5	574.7	610.6	731.1	949.2	1495.6	3991.8	4486.9	5413.0
82.5°	289.9	372.0	377.1	389.9	415.6	541.3	715.8	910.7	2506.4	2591.1	3263.2
85°	146.2	177.0	189.8	210.4	233.5	330.9	407.9	564.4	1613.7	1221.1	1824.0
87.5°	48.7	51.3	61.6	77.0	94.9	136.0	174.4	230.9	400.2	220.6	564.4
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: P457339

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9	9758.9
2.5°	10926.1	11144.2	11303.3	11449.5	11308.4	11295.6	11157.0	10933.8	10841.5	10841.5
5°	11570.1	12080.6	12493.6	12757.8	12645.0	12373.0	11924.1	11352.0	11044.1	10990.3
7.5°	11747.1	12755.3	13522.3	13794.3	13604.4	13004.1	12144.7	11180.1	10738.9	10641.4
10°	11639.3	12950.3	14076.5	14507.5	14243.2	13335.1	12162.7	10980.0	10436.1	10323.3
12.5°	11526.4	12975.9	14179.1	14802.5	14630.6	13601.9	12293.5	10849.2	10220.6	10059.0
15°	11608.5	12986.2	14053.4	14697.3	14807.6	13922.5	12509.0	10944.1	10177.0	10005.1
17.5°	12126.8	13181.1	13873.8	14394.6	14782.0	14358.7	13122.1	11398.2	10567.0	10354.0
20°	13209.4	13648.0	13976.4	14379.2	15002.6	15248.9	14376.6	12645.0	11662.4	11475.1
22.5°	16344.3	16264.8	15592.6	15584.9	16488.0	17475.7	17416.7	15179.6	13701.9	13548.0
25°	17519.3	17149.8	16177.6	15941.5	16339.2	17863.0	17642.4	15697.8	14333.0	13958.5
27.5°	17060.1	16144.2	15505.4	15451.5	15320.7	16759.9	17290.9	15908.2	14553.6	14189.4
30°	17031.8	15685.0	14771.7	14879.5	15005.2	16380.2	17485.9	16567.5	15118.0	14728.1
32.5°	17101.1	15749.1	14825.6	14846.1	15220.7	16436.7	17701.4	17285.8	15859.4	15469.5
35°	17380.7	16113.4	15169.3	15120.6	15705.5	16806.1	18068.3	18414.6	16872.8	16429.0
37.5°	17832.3	16839.4	15797.9	15785.0	16634.2	17473.1	18524.9	19553.6	17881.0	17403.8
40°	18496.7	17688.6	16916.4	16847.1	17896.4	18558.3	19117.5	20767.1	19053.4	18440.3
42.5°	19299.7	18707.1	18391.5	18666.0	19674.2	19776.8	20041.1	21888.2	20051.3	19338.2
45°	20043.6	20015.4	20454.1	21182.7	21770.2	21154.5	21005.7	22639.9	20826.1	20051.3
47.5°	20928.7	21693.2	23017.0	24084.2	24699.9	22757.9	21829.2	23129.8	21390.5	20677.3
50°	21826.6	23701.9	25815.8	27303.8	27434.6	24499.8	22396.1	23591.6	21903.6	21162.2
52.5°	22770.7	25305.3	28119.6	29848.7	29594.7	26015.9	22945.1	23904.6	22432.1	21780.4
55°	23591.6	26287.9	29407.4	31067.3	30695.3	26939.5	23537.8	24243.2	23186.3	22637.3
57.5°	24050.8	26370.0	29086.8	30536.2	30133.5	26759.9	23809.7	24494.7	23668.6	23237.6
58°	24117.5	26259.7	28802.0	30228.4	29817.9	26608.6	23807.1	24484.4	23699.4	23265.8
60°	24058.5	25543.9	27742.5	29012.4	28581.4	25659.4	23709.6	24292.0	23309.4	22942.6
62.5°	23512.1	24302.2	25913.3	26836.9	26713.7	24176.5	23309.4	23566.0	22121.6	21767.6
65°	22793.8	22609.1	23571.1	24225.3	24317.6	23065.7	22911.8	21995.9	20597.8	20097.5
67.5°	21921.5	20690.1	20687.6	21059.6	21213.5	21357.1	22083.2	20289.9	18401.8	17873.3
70°	20441.3	17732.2	16916.4	17355.1	17226.8	18440.3	20602.9	17893.8	15754.3	15136.0
72.5°	17727.1	14071.3	12765.5	13329.9	13006.7	14461.3	18027.2	14725.5	13027.2	12267.9
75°	14368.9	10525.9	9179.1	9697.3	9497.2	10969.7	15000.0	10695.2	9343.3	9053.4
77.5°	11157.0	7627.0	6844.5	6772.7	6921.5	8163.2	11003.1	7221.7	6159.6	5962.0
80°	7167.8	5459.2	5505.4	5413.0	5490.0	5146.2	6680.4	4607.5	4171.4	4012.3
82.5°	4717.8	3804.5	4535.7	4186.8	3976.4	3460.8	4381.7	3016.9	2560.3	2473.1
85°	3214.5	2801.4	2550.0	1949.7	2296.1	2665.5	3286.3	1623.9	1287.8	1167.3
87.5°	1452.0	974.9	715.8	441.3	697.8	805.5	1595.7	189.8	146.2	151.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)