

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: P648494

Luminaire Tested: **GALN-SA6B-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648494
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-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 19676.8 lumens
Efficiency: N/A
Efficacy: 81.0 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

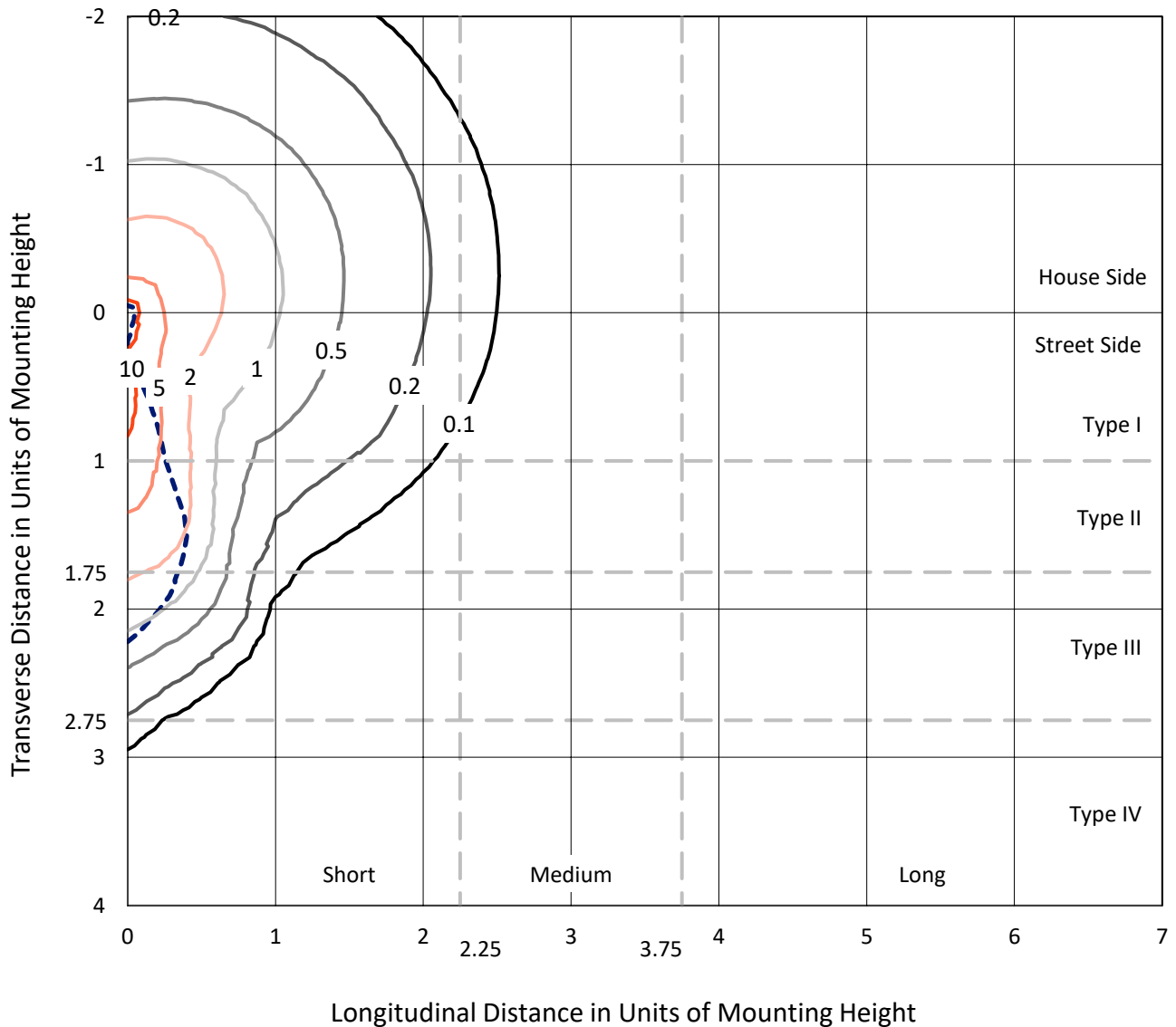




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Iso-Footcandle Lines of Horizontal Illumination

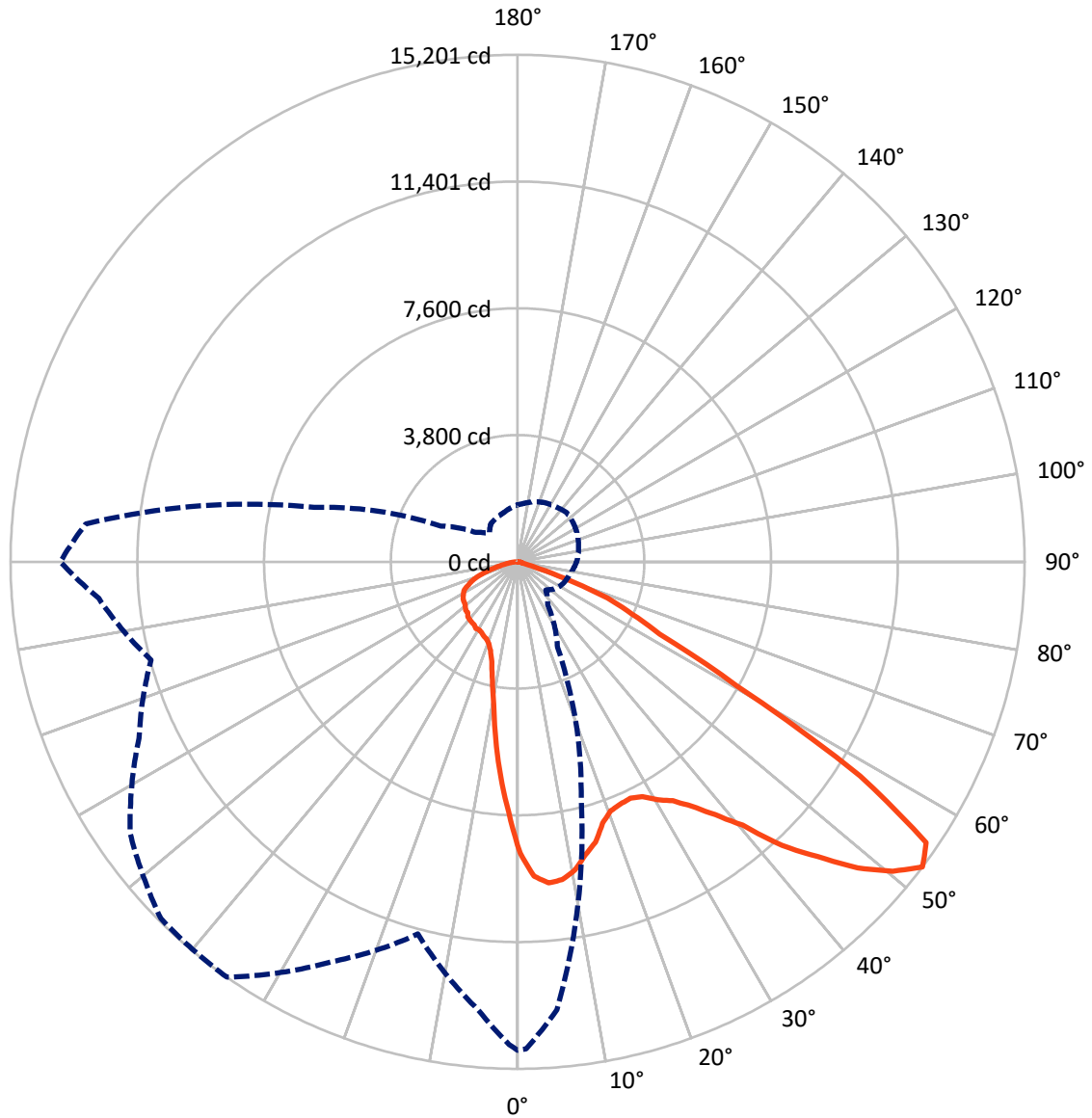
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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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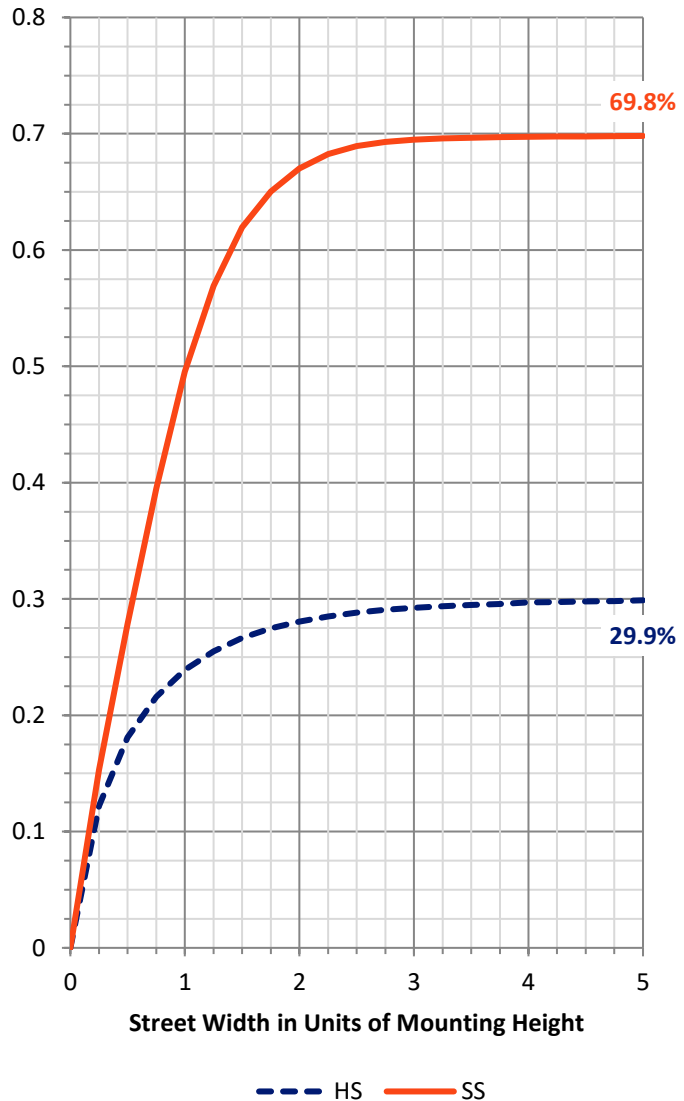
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5931.7	0.0	5931.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	13745.1	0.0	13745.1
	% Fixture	69.9	0.0	69.9
Total	Lumens	19676.8	0.0	19676.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.2	3.4
10°-20°	1444.3	7.3
20°-30°	2182.2	11.1
30°-40°	3153.4	16.0
40°-50°	4196.6	21.3
50°-60°	4694.0	23.9
60°-70°	2645.5	13.4
70°-80°	589.7	3.0
80°-90°	105.0	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°	19676.8	100.0
0°-180°	19676.8	100.0

Coefficient of Utilization



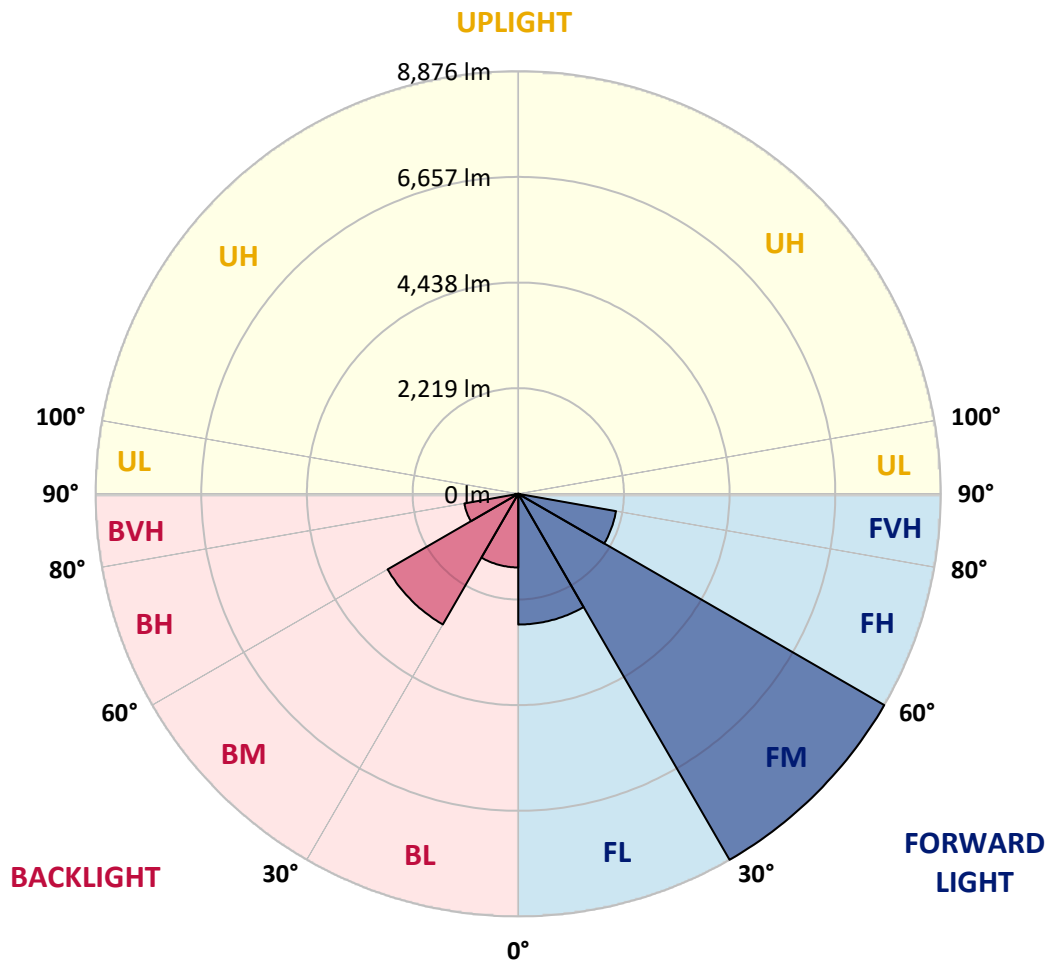
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2745.8	14.0			
FM (30°-60°)	8875.7	45.1			
FH (60°-80°)	2085.4	10.6			G2/5000
FVH (80°-90°)	38.0	0.2			G1/100
BL (0°-30°)	1546.9	7.9	B3/2500		
BM (30°-60°)	3168.1	16.1	B3/5000		
BH (60°-80°)	1149.8	5.8	B3/2500		G3/2500
BVH (80°-90°)	67.0	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°	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6
2.5°	8878.1	9020.7	8866.7	8593.0	8399.0	8222.2	8036.8	7999.8	7757.3	7714.5	7537.7
5°	8373.3	8341.9	8153.8	7794.4	7397.9	7038.6	6773.4	6516.7	6342.8	6140.3	6126.0
7.5°	7760.2	7577.6	7469.3	6924.5	6434.0	5869.3	5626.9	5236.2	5113.5	4931.0	4836.9
10°	7212.6	7078.6	6824.7	6280.0	5595.6	5221.9	4962.4	4751.3	4608.7	4420.5	4183.8
12.5°	6941.7	6887.5	6602.3	5758.1	5250.4	4851.2	4668.6	4463.3	4220.9	3918.6	3801.6
15°	6990.2	6807.6	6590.9	5658.3	4956.7	4571.7	4280.8	4024.1	3713.2	3425.2	3257.0
17.5°	7352.4	7212.6	6779.1	5721.0	4845.4	4289.4	3761.7	3382.4	3103.0	2843.4	2726.5
20°	8065.3	7862.8	7375.2	5800.9	4605.9	3895.7	3291.2	2823.4	2524.0	2387.1	2347.1
22.5°	8855.3	8735.5	7956.9	5980.6	4414.8	3530.7	2792.1	2324.3	2213.1	2176.0	2250.2
25°	9816.4	9505.5	8861.1	6274.3	4266.5	3219.9	2370.0	2110.4	2053.4	2090.5	2176.0
27.5°	10546.5	10463.8	9494.2	6551.0	4064.0	2846.3	2133.3	1962.1	1979.3	2016.3	2096.2
30°	11413.5	10994.3	10107.4	6742.0	3881.5	2589.5	1967.8	1922.2	1939.3	2002.1	2042.0
32.5°	11935.4	11778.6	10492.4	7030.1	3670.5	2367.1	1839.5	1796.8	1822.4	1916.5	2010.7
35°	12600.0	12289.0	10968.6	7104.2	3522.2	2278.7	1748.3	1716.9	1776.8	1842.4	1947.9
37.5°	13375.7	13161.8	11627.4	7052.9	3442.3	2187.5	1671.2	1657.0	1699.7	1791.0	1913.7
40°	13834.8	13769.2	11972.5	7084.3	3316.8	2107.6	1582.8	1600.0	1688.4	1759.6	1879.4
42.5°	14276.9	13849.1	12483.0	7072.8	3237.0	1999.2	1591.4	1571.4	1639.8	1722.6	1836.7
45°	14373.8	13948.9	12602.8	6993.0	3140.0	1893.7	1525.8	1534.4	1617.1	1719.7	1793.9
47.5°	14311.1	13997.4	12825.2	6970.2	3048.8	1819.5	1428.8	1531.5	1580.0	1662.7	1768.2
50°	14268.3	14251.2	13013.5	7078.6	2926.1	1702.6	1311.9	1494.4	1542.9	1625.6	1739.7
52.5°	14644.8	14607.7	13484.0	7363.7	2829.1	1577.1	1192.1	1400.3	1517.2	1597.1	1708.3
55°	14872.9	14710.4	14291.2	7714.5	2666.6	1411.7	1109.4	1283.4	1454.5	1525.8	1639.8
57.5°	13378.5	13267.3	12927.9	7201.2	2392.8	1194.9	1006.7	1163.6	1368.9	1480.2	1597.1
60°	11131.2	10957.2	10087.4	6120.3	1765.4	929.7	944.0	1069.5	1346.1	1388.9	1525.8
62.5°	10495.2	10064.5	8881.0	4925.3	1354.7	798.6	847.0	983.9	1226.3	1297.7	1434.5
65°	8327.7	8008.3	6354.1	3556.4	906.9	693.0	772.9	887.0	1058.1	1197.8	1323.3
67.5°	5213.4	4908.2	3390.9	1682.7	633.1	593.2	690.1	809.9	949.7	1075.2	1214.9
70°	2723.6	2390.0	1565.7	607.5	436.4	484.8	576.1	690.1	827.1	929.7	1038.1
72.5°	1015.3	824.2	510.5	262.4	302.3	370.8	467.7	550.4	647.4	772.9	832.8
75°	156.8	134.0	131.2	159.7	205.3	268.1	333.7	416.4	502.0	581.8	621.7
77.5°	74.2	71.3	79.9	105.5	136.9	191.1	242.4	322.3	390.7	442.1	464.9
80°	48.5	45.6	51.4	71.3	102.7	142.6	193.9	248.1	310.9	353.7	348.0
82.5°	28.5	31.4	31.4	48.5	71.3	102.7	139.8	188.2	231.0	268.1	245.2
85°	17.1	14.3	14.3	28.5	48.5	82.7	116.9	79.9	82.7	82.7	94.1
87.5°	5.7	5.7	5.7	2.8	5.7	5.7	8.5	14.3	17.1	20.0	25.7
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°	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6
2.5°	7532.0	7620.4	7589.1	7477.8	7563.4	7577.6	7520.6	7717.4	7754.4	7694.5	7711.7
5°	6106.1	6128.9	6180.2	6288.6	6365.6	6456.9	6456.9	6462.5	6385.5	6579.5	6522.4
7.5°	4757.0	4771.3	4831.2	5062.3	5127.8	5301.8	5375.9	5324.6	5170.6	5105.0	5159.2
10°	4106.8	4024.1	4004.1	4032.7	4181.0	4255.1	4317.9	4300.8	4275.1	4223.7	4166.7
12.5°	3673.3	3613.4	3564.9	3496.5	3505.0	3576.4	3624.8	3584.9	3596.3	3607.8	3624.8
15°	3202.7	3160.0	3134.3	3031.6	3020.2	3068.7	3085.8	3108.7	3151.4	3154.2	3134.3
17.5°	2703.6	2666.6	2723.6	2780.7	2740.7	2743.6	2775.0	2794.9	2783.5	2732.2	2706.5
20°	2361.4	2401.4	2458.4	2512.6	2555.3	2581.0	2592.4	2561.0	2524.0	2418.5	2415.6
22.5°	2261.6	2312.9	2361.4	2444.1	2484.1	2549.7	2489.8	2418.5	2367.1	2315.8	2255.9
25°	2187.5	2230.2	2327.2	2358.6	2435.6	2489.8	2447.0	2375.7	2287.3	2213.1	2167.5
27.5°	2133.3	2181.8	2244.5	2330.1	2390.0	2421.3	2378.5	2350.0	2258.7	2170.3	2104.7
30°	2099.1	2150.4	2264.4	2335.8	2387.1	2412.7	2338.6	2304.4	2238.8	2164.6	2107.6
32.5°	2076.2	2121.9	2218.8	2310.1	2344.3	2344.3	2355.7	2315.8	2224.5	2099.1	2050.5
35°	2002.1	2064.8	2144.6	2250.2	2312.9	2350.0	2292.9	2247.4	2187.5	2059.1	1970.7
37.5°	1959.3	2002.1	2104.7	2204.5	2258.7	2298.7	2275.9	2196.0	2116.1	2010.7	1939.3
40°	1913.7	1982.1	2073.4	2167.5	2227.4	2267.3	2250.2	2156.1	2059.1	1959.3	1910.8
42.5°	1882.3	1927.9	2022.0	2127.6	2198.8	2275.9	2224.5	2107.6	2039.2	1902.2	1848.0
45°	1856.6	1930.8	2030.6	2073.4	2147.5	2227.4	2136.1	2064.8	1985.0	1885.2	1839.5
47.5°	1825.3	1893.7	1959.3	2073.4	2107.6	2144.6	2127.6	2013.5	1945.1	1836.7	1805.3
50°	1813.8	1839.5	1959.3	2022.0	2070.5	2107.6	2062.0	1976.4	1910.8	1799.6	1731.1
52.5°	1768.2	1816.7	1893.7	1976.4	2036.3	2081.9	2007.8	1953.6	1865.2	1748.3	1705.5
55°	1711.2	1739.7	1876.6	1962.1	1993.5	2024.9	1996.3	1907.9	1816.7	1696.9	1654.2
57.5°	1637.0	1702.6	1813.8	1933.6	1973.6	1990.7	1945.1	1873.7	1759.6	1654.2	1585.7
60°	1560.0	1628.5	1751.1	1848.0	1888.0	1950.8	1882.3	1839.5	1708.3	1591.4	1517.2
62.5°	1483.0	1560.0	1651.3	1773.9	1808.1	1833.8	1816.7	1756.8	1651.3	1520.1	1428.8
65°	1391.8	1448.8	1562.9	1625.6	1648.4	1708.3	1648.4	1625.6	1531.5	1406.0	1329.0
67.5°	1254.8	1303.3	1403.1	1463.0	1480.2	1505.9	1503.0	1477.3	1371.8	1286.2	1217.8
70°	1098.0	1140.8	1203.5	1274.8	1283.4	1314.7	1286.2	1280.5	1212.1	1095.2	1058.1
72.5°	881.3	921.2	1003.9	1035.3	1038.1	1049.5	1035.3	1015.3	998.2	875.6	838.4
75°	675.9	698.7	738.7	767.2	767.2	781.4	772.9	752.9	707.3	630.3	593.2
77.5°	470.6	493.4	544.7	561.8	559.0	564.7	539.0	519.1	450.6	410.7	379.3
80°	342.2	356.5	382.2	393.5	396.4	405.0	373.6	356.5	316.6	270.9	256.7
82.5°	248.1	256.7	259.6	273.8	273.8	259.6	251.0	233.9	205.3	176.8	165.4
85°	102.7	105.5	108.4	125.5	128.3	154.0	142.6	134.0	116.9	99.8	91.3
87.5°	25.7	28.5	37.1	31.4	37.1	37.1	39.9	45.6	45.6	37.1	37.1
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°	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6
2.5°	7777.3	7800.1	8091.0	8128.1	8270.7	8416.1	8709.9	8920.9	9092.0	9203.2	9234.6
5°	6582.3	6727.8	6861.8	7078.6	7275.3	7554.9	7877.1	8276.4	8778.3	9035.0	9137.7
7.5°	5153.5	5324.6	5518.5	5729.6	6017.6	6519.6	6950.2	7412.2	8053.9	8319.1	8721.3
10°	4206.7	4397.7	4654.4	4816.9	5164.9	5644.0	6145.9	6679.3	7292.5	7674.6	8139.4
12.5°	3718.9	3875.8	4112.6	4454.7	4714.3	5025.1	5398.8	6071.8	6950.2	7312.4	7631.8
15°	3179.9	3353.9	3627.7	4007.0	4317.9	4688.6	5107.8	5840.8	6776.2	7335.2	7606.1
17.5°	2735.0	2860.5	3148.5	3476.5	3833.0	4238.0	4839.8	5829.4	6958.8	7674.6	8116.7
20°	2427.0	2444.1	2601.0	2880.5	3365.3	3892.9	4674.4	5772.4	7543.4	8259.2	8818.2
22.5°	2233.1	2216.0	2218.8	2455.6	2794.9	3553.6	4414.8	5966.3	8208.0	9189.0	9565.4
25°	2136.1	2090.5	2062.0	2113.3	2421.3	3151.4	4218.0	6223.0	8923.8	9956.2	10418.2
27.5°	2084.8	2004.9	1947.9	1956.4	2181.8	2948.9	4095.4	6334.2	9633.9	11025.7	11188.2
30°	2064.8	1965.0	1882.3	1853.8	2002.1	2666.6	3833.0	6525.3	10269.9	11613.1	11752.9
32.5°	1993.5	1870.9	1791.0	1765.4	1825.3	2418.5	3644.8	6662.2	10831.7	12252.0	12203.5
35°	1910.8	1808.1	1708.3	1659.8	1702.6	2258.7	3493.7	6596.5	11493.3	12748.3	12722.6
37.5°	1902.2	1768.2	1685.5	1605.6	1602.8	2062.0	3288.3	6659.3	11915.5	13638.1	13287.3
40°	1828.1	1742.6	1634.2	1568.6	1531.5	1962.1	3088.7	6511.0	12534.3	13997.4	13652.3
42.5°	1831.0	1702.6	1608.5	1531.5	1494.4	1816.7	2951.8	6471.1	12751.1	14582.0	13823.4
45°	1785.3	1659.8	1580.0	1488.7	1468.8	1705.5	2820.6	6285.7	13133.3	14610.5	13609.6
47.5°	1739.7	1628.5	1542.9	1434.5	1388.9	1665.5	2717.9	6131.7	12933.6	14342.4	13312.9
50°	1708.3	1580.0	1500.1	1423.1	1294.8	1597.1	2583.9	6094.6	12654.1	13980.3	12762.5
52.5°	1654.2	1540.1	1457.3	1397.4	1192.1	1534.4	2532.5	6311.4	12996.3	13709.3	12602.8
55°	1602.8	1485.9	1380.4	1263.4	1106.5	1368.9	2390.0	6513.9	13495.5	14333.9	13327.2
57.5°	1548.6	1437.4	1323.3	1183.6	1023.9	1197.8	2241.7	6551.0	12560.0	13247.3	12651.2
60°	1477.3	1334.7	1249.1	1066.6	935.5	992.5	1776.8	5775.2	9742.2	11062.7	11082.7
62.5°	1397.4	1243.5	1169.3	955.4	844.2	855.6	1448.8	4854.1	7902.7	9157.7	9702.3
65°	1292.0	1143.6	1055.2	884.1	778.6	741.5	1061.0	3556.4	6003.3	7429.3	8048.2
67.5°	1155.0	1015.3	904.1	770.0	695.9	636.0	724.4	2002.1	3545.0	4988.1	5176.3
70°	1009.6	889.8	772.9	661.6	579.0	536.2	530.5	887.0	1694.1	2683.7	3054.4
72.5°	795.7	710.1	616.0	533.3	479.1	416.4	379.3	367.9	573.2	1092.3	1508.7
75°	570.4	499.1	444.9	390.7	350.8	316.6	288.1	262.4	239.6	273.8	376.5
77.5°	359.3	333.7	290.9	276.6	253.8	245.2	233.9	219.6	202.5	191.1	191.1
80°	242.4	225.3	211.0	208.2	199.7	196.8	199.7	185.4	168.3	154.0	159.7
82.5°	162.6	159.7	156.8	154.0	156.8	159.7	165.4	162.6	148.3	139.8	142.6
85°	96.9	102.7	108.4	114.1	125.5	111.3	91.3	77.0	68.4	62.7	59.9
87.5°	37.1	51.4	45.6	42.8	45.6	42.8	39.9	37.1	31.4	28.5	28.5
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: P648494

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6	8732.6
2.5°	9442.8	9499.8	9548.4	9536.9	9437.1	9303.1	9248.9	8972.2	8915.2	8878.1
5°	9571.2	9902.0	9973.3	9930.5	9671.0	9343.0	9023.6	8618.6	8381.9	8373.3
7.5°	9334.5	9742.2	9870.6	9967.6	9622.5	9052.1	8504.6	7897.0	7748.7	7760.2
10°	8732.6	9382.9	9699.5	9799.3	9402.9	8909.5	8150.9	7534.9	7218.3	7212.6
12.5°	8399.0	8909.5	8997.9	9137.7	9020.7	8521.6	7945.6	7255.4	6947.3	6941.7
15°	8102.4	8438.9	8464.6	8661.4	8724.1	8387.6	7999.8	7263.9	7015.8	6990.2
17.5°	8361.9	8128.1	8031.1	8056.8	8242.2	8364.8	8313.4	7748.7	7495.0	7352.4
20°	8535.9	8014.0	7720.2	7748.7	7968.4	8416.1	8781.2	8450.4	8048.2	8065.3
22.5°	9000.7	8031.1	7571.9	7540.5	7888.5	8684.2	9308.8	9337.3	8949.5	8855.3
25°	9696.7	8227.9	7526.3	7517.7	7851.5	8972.2	9924.8	10386.8	9990.4	9816.4
27.5°	10255.7	8535.9	7668.9	7697.4	7968.4	9206.1	10449.5	11062.7	10760.5	10546.5
30°	10746.1	8855.3	7868.5	7737.4	8282.1	9328.7	10674.9	11832.8	11590.4	11413.5
32.5°	10948.6	9308.8	8185.1	7968.4	8541.6	9477.0	11142.6	12580.0	12371.8	11935.4
35°	11290.9	9562.6	8356.3	8339.1	8995.0	9833.5	11362.2	13073.4	12987.8	12600.0
37.5°	11564.7	9819.3	8963.7	8775.5	9616.8	10432.5	11715.8	13755.0	13558.2	13375.7
40°	11775.7	10278.4	9531.2	9779.4	10381.1	10977.2	12041.0	13797.7	14365.3	13834.8
42.5°	11581.7	10689.1	10463.8	11057.1	11627.4	11598.9	12078.0	14128.6	14553.5	14276.9
45°	11533.3	11385.0	11938.2	12477.3	12608.5	12115.1	11812.8	13763.5	14496.5	14373.8
47.5°	11416.4	12069.5	13033.4	13911.8	13712.2	12460.2	11496.2	13698.0	14530.7	14311.1
50°	11376.4	12217.8	13843.4	14698.9	14579.1	12759.6	11347.9	13275.8	14288.3	14268.3
52.5°	11373.6	12522.9	14179.9	15126.8	15200.9	13233.1	11550.4	13489.8	14476.5	14644.8
55°	11502.0	12426.0	14137.1	14890.1	14861.5	13022.0	11573.2	13632.3	14707.6	14872.9
57.5°	10848.9	11131.2	11667.3	12263.4	12109.4	10786.1	10335.4	12602.8	13498.3	13378.5
60°	9368.7	8484.6	7880.0	7851.5	7552.0	7138.5	8458.9	11248.1	11248.1	11131.2
62.5°	8205.1	5569.9	4785.5	4563.1	4777.0	5253.3	8159.4	10940.1	10629.2	10495.2
65°	7175.5	4252.2	3459.5	3396.7	3767.4	4486.1	7378.0	9320.2	8772.6	8327.7
67.5°	4617.4	3114.3	2572.5	2461.2	2909.0	3294.0	4911.1	5732.4	5387.4	5213.4
70°	2977.4	2027.7	1431.7	1343.2	1517.2	2030.6	3137.2	3342.5	2840.6	2723.6
72.5°	1408.9	875.6	502.0	413.5	464.9	775.7	1240.6	1334.7	1109.4	1015.3
75°	447.7	322.3	205.3	176.8	168.3	199.7	285.2	219.6	159.7	156.8
77.5°	199.7	191.1	162.6	136.9	119.8	99.8	82.7	68.4	71.3	74.2
80°	165.4	151.1	134.0	119.8	99.8	77.0	59.9	45.6	45.6	48.5
82.5°	145.5	131.2	116.9	99.8	85.6	62.7	45.6	31.4	28.5	28.5
85°	62.7	74.2	79.9	85.6	68.4	51.4	31.4	20.0	17.1	17.1
87.5°	25.7	22.8	20.0	17.1	14.3	14.3	11.4	8.5	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)