

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636337

Luminaire Tested: GWS-SA3F-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

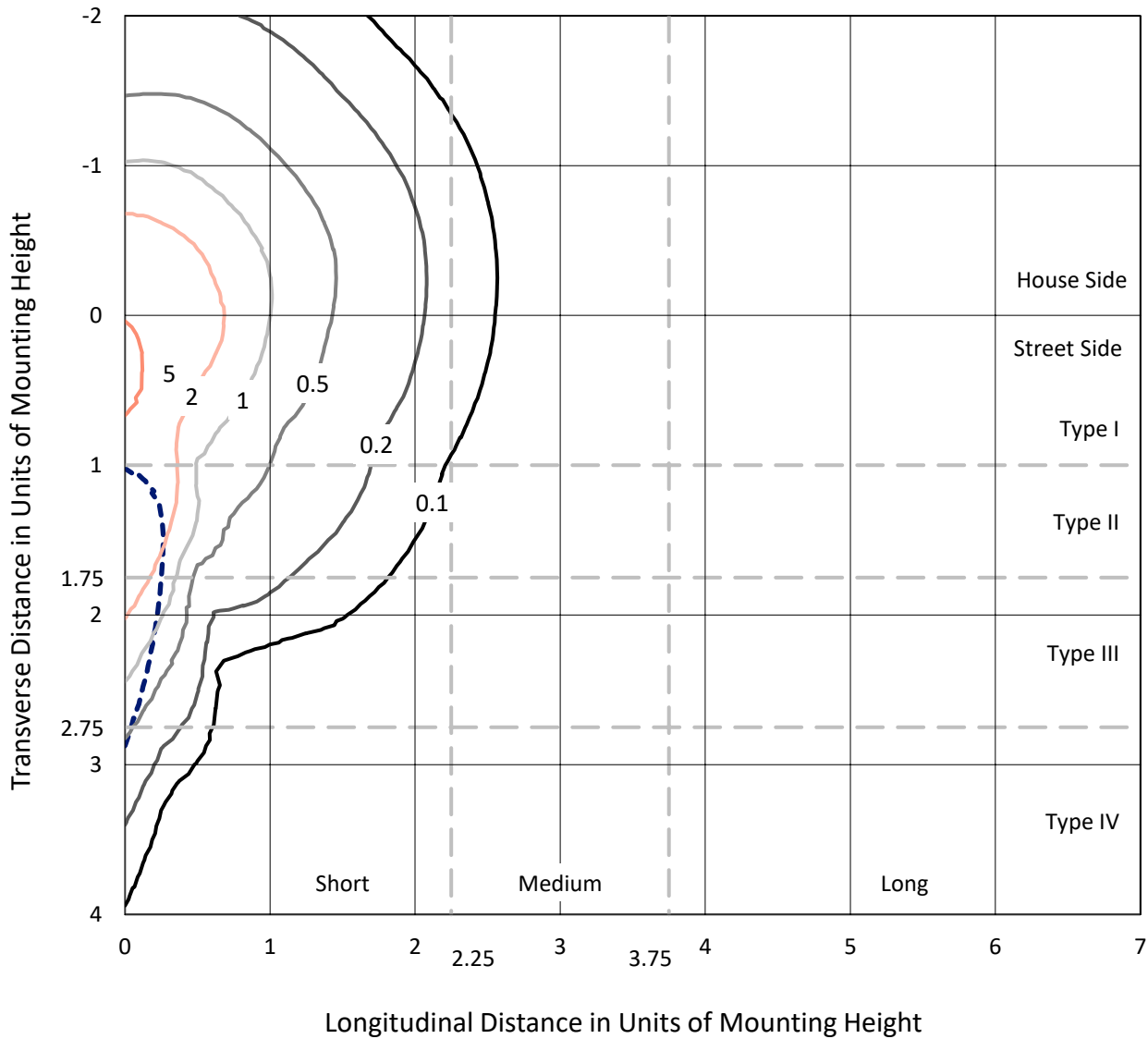
Lumens per Lamp: N/A  
Luminaire Lumens: 23441.2 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

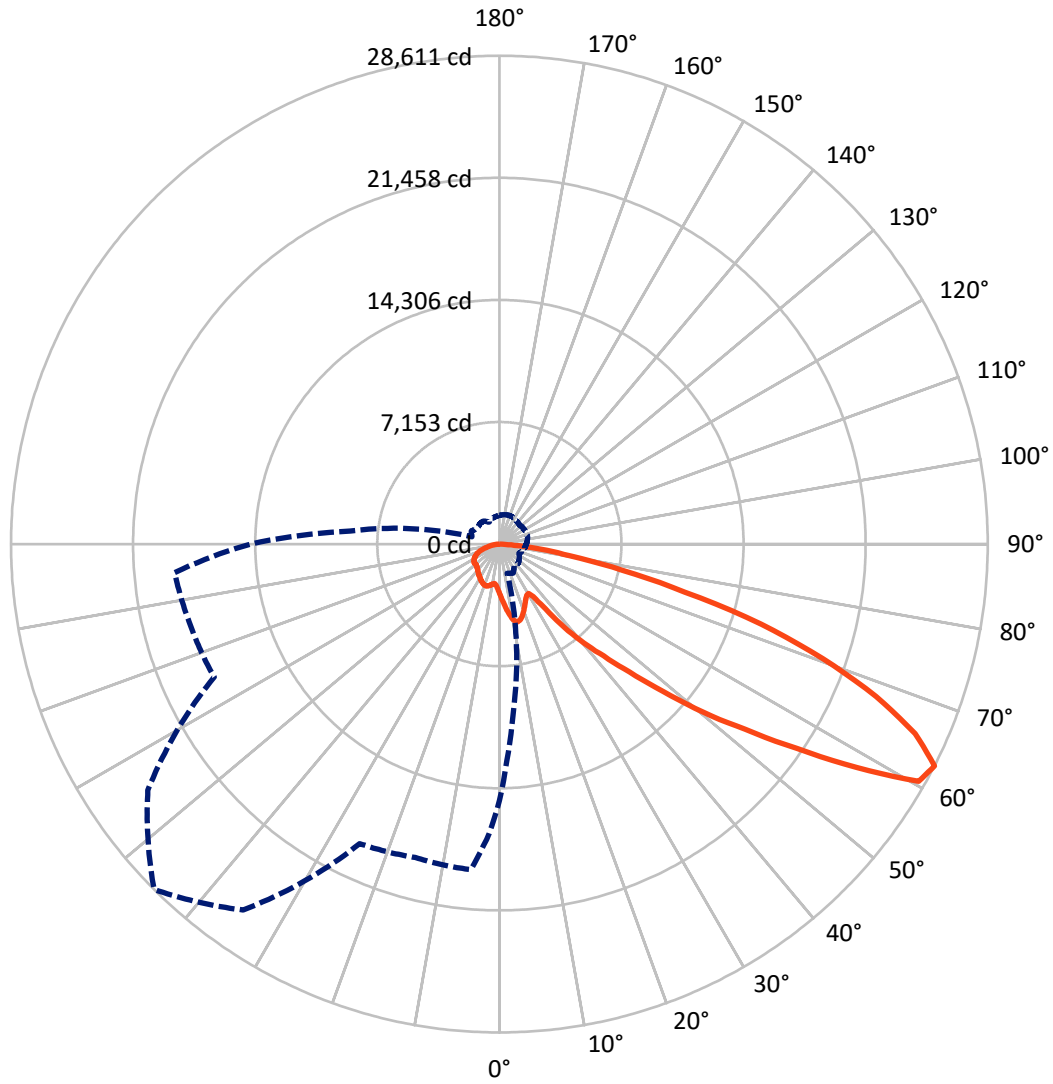
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5604.8	0.0	5604.8
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	17836.4	0.0	17836.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	23441.2	0.0	23441.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.9	1.2
10°-20°	935.7	4.0
20°-30°	1473.1	6.3
30°-40°	2019.1	8.6
40°-50°	3150.5	13.4
50°-60°	5432.0	23.2
60°-70°	6295.1	26.9
70°-80°	3322.8	14.2
80°-90°	524.9	2.2
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°	23441.2	100.0
0°-180°	23441.2	100.0

**Coefficient of Utilization**



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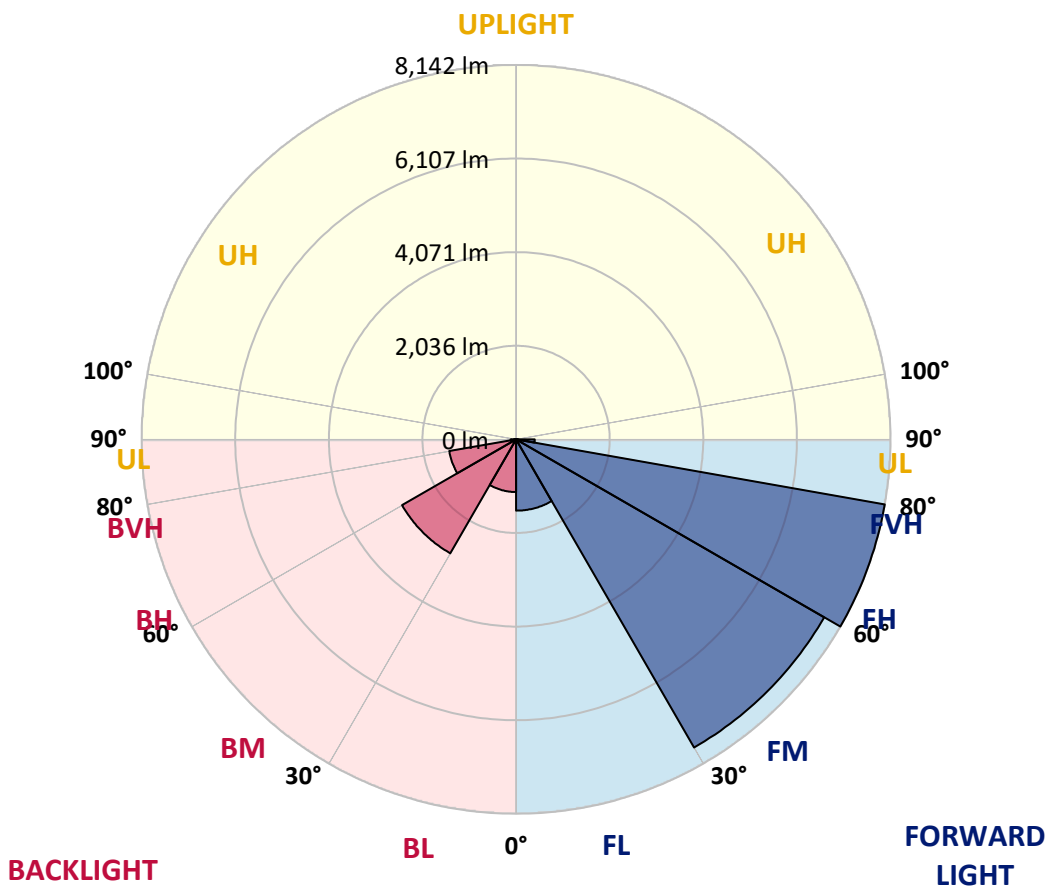
CATALOG NUMBER: GWS-SA3F-750-U-SLL-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1550.4	6.6			
FM (30°-60°)	7738.8	33.0			
FH (60°-80°)	8142.1	34.7			G4/12000
FVH (80°-90°)	405.1	1.7			G3/500
BL (0°-30°)	1146.4	4.9	B3/2500		
BM (30°-60°)	2862.9	12.2	B3/5000		
BH (60°-80°)	1475.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	119.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6
2.5°	3175.4	3162.9	3145.0	3084.0	3046.4	3003.3	2958.5	2906.5	2847.3	2806.1	2764.8
5°	3444.4	3424.7	3381.6	3236.4	3136.0	3026.6	2935.2	2831.2	2729.0	2659.1	2589.1
7.5°	3702.6	3677.5	3611.2	3388.8	3225.7	3067.9	2929.8	2779.2	2626.8	2522.8	2440.3
10°	3960.8	3908.8	3824.5	3534.1	3318.9	3136.0	2978.2	2793.5	2590.9	2449.3	2361.4
12.5°	4158.0	4109.6	4018.2	3666.7	3412.1	3182.6	3005.1	2834.8	2662.6	2512.0	2422.4
15°	4342.7	4280.0	4176.0	3790.5	3489.2	3180.8	2951.3	2802.5	2777.4	2739.7	2623.2
17.5°	4475.4	4418.0	4310.4	3890.9	3532.3	3125.2	2802.5	2714.6	2827.6	2942.4	2831.2
20°	4591.9	4525.6	4416.2	3960.8	3541.2	3001.5	2621.4	2623.2	2800.7	2958.5	2931.6
22.5°	4690.6	4617.0	4520.2	4039.7	3537.6	2829.4	2463.6	2571.2	2748.7	2872.4	2876.0
25°	4812.5	4751.5	4670.8	4156.2	3537.6	2653.7	2348.9	2508.4	2660.9	2764.8	2761.3
27.5°	4961.3	4920.1	4853.7	4333.7	3569.9	2506.7	2284.3	2427.8	2547.9	2637.5	2635.7
30°	5128.1	5090.4	5040.2	4522.0	3625.5	2397.3	2248.5	2327.3	2415.2	2486.9	2486.9
32.5°	5298.4	5284.0	5230.3	4672.6	3582.5	2363.2	2218.0	2226.9	2273.6	2332.7	2327.3
35°	5535.1	5520.7	5452.6	4789.2	3396.0	2314.8	2169.6	2124.7	2130.1	2167.8	2180.3
37.5°	5881.1	5859.6	5759.2	4925.4	3114.5	2192.9	2090.7	2017.2	2001.0	2017.2	2040.5
40°	6298.9	6266.6	6130.4	5110.1	2789.9	2027.9	1966.9	1906.0	1879.1	1884.5	1911.4
42.5°	6822.5	6754.3	6558.9	5305.6	2469.0	1882.7	1828.9	1791.2	1760.8	1757.2	1809.2
45°	7672.4	7485.9	7175.7	5479.5	2198.2	1805.6	1705.2	1678.3	1653.2	1667.5	1728.5
47.5°	9157.0	8812.7	8208.5	5628.3	2033.3	1807.4	1606.6	1577.9	1576.1	1604.8	1672.9
50°	11197.4	10700.8	9768.4	5728.7	1947.2	1828.9	1547.4	1500.8	1534.8	1563.5	1628.1
52.5°	13151.8	12393.4	11283.5	5726.9	1909.6	1832.5	1563.5	1429.0	1534.8	1542.0	1603.0
55°	14821.2	13447.7	11692.3	5138.8	1855.8	1818.1	1626.3	1373.5	1515.1	1542.0	1590.4
57.5°	16148.0	14118.3	11661.8	4150.9	2018.9	1739.2	1663.9	1360.9	1457.7	1545.6	1601.2
60°	16001.0	13811.7	10910.6	2547.9	2002.8	1599.4	1658.5	1384.2	1360.9	1497.2	1588.6
62.5°	15023.8	12712.6	9617.8	1767.9	1880.9	1518.7	1570.7	1425.5	1271.3	1427.2	1527.7
65°	13655.7	11294.3	8014.8	1355.5	1558.1	1522.3	1421.9	1396.8	1192.4	1316.1	1423.7
67.5°	11846.5	9535.3	6327.6	1074.0	1086.6	1317.9	1291.0	1240.8	1118.8	1217.5	1314.3
70°	8906.0	6958.7	4353.5	864.2	823.0	1100.9	1160.1	1115.3	1047.1	1075.8	1178.0
72.5°	6275.6	4543.5	2384.7	684.9	634.7	846.3	1007.7	1000.5	925.2	946.7	1047.1
75°	4663.7	3214.9	1490.0	541.5	516.4	606.0	844.5	866.0	803.3	828.4	905.5
77.5°	3103.7	2081.7	828.4	401.6	401.6	442.9	629.4	729.8	683.1	702.9	756.7
80°	1712.3	1059.7	414.2	263.6	270.7	304.8	459.0	525.4	527.1	575.6	589.9
82.5°	541.5	337.1	184.7	154.2	145.2	173.9	295.8	376.5	351.4	448.3	412.4
85°	123.7	78.9	34.1	34.1	37.7	57.4	113.0	200.8	256.4	308.4	224.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	78.9	116.5	104.0
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°	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6
2.5°	2739.7	2703.9	2693.1	2662.6	2659.1	2630.4	2619.6	2619.6	2632.2	2632.2	2644.7
5°	2560.4	2515.6	2490.5	2454.7	2445.7	2424.2	2409.8	2411.6	2427.8	2438.5	2460.0
7.5°	2402.7	2372.2	2354.2	2338.1	2334.5	2330.9	2314.8	2313.0	2318.4	2334.5	2350.7
10°	2336.3	2314.8	2320.2	2332.7	2352.5	2363.2	2348.9	2341.7	2336.3	2347.1	2361.4
12.5°	2400.9	2379.3	2390.1	2411.6	2438.5	2449.3	2443.9	2442.1	2447.5	2488.7	2519.2
15°	2542.5	2501.3	2486.9	2495.9	2517.4	2528.2	2522.8	2530.0	2564.0	2671.6	2748.7
17.5°	2718.2	2617.8	2560.4	2544.3	2553.3	2562.2	2562.2	2580.2	2639.3	2797.1	2893.9
20°	2813.3	2682.4	2585.5	2546.1	2549.7	2558.6	2558.6	2583.8	2650.1	2818.6	2881.4
22.5°	2788.2	2668.0	2549.7	2506.7	2508.4	2515.6	2515.6	2537.1	2596.3	2745.1	2773.8
25°	2689.5	2583.8	2467.2	2429.6	2433.1	2445.7	2442.1	2454.7	2499.5	2621.4	2637.5
27.5°	2571.2	2478.0	2363.2	2334.5	2350.7	2375.8	2354.2	2356.0	2397.3	2499.5	2501.3
30°	2443.9	2366.8	2264.6	2243.1	2273.6	2286.1	2266.4	2266.4	2307.6	2377.6	2375.8
32.5°	2305.8	2257.4	2183.9	2160.6	2194.7	2214.4	2189.3	2192.9	2225.1	2271.8	2253.8
35°	2176.7	2151.6	2117.6	2101.4	2122.9	2140.9	2124.7	2131.9	2162.4	2174.9	2149.8
37.5°	2053.0	2049.4	2053.0	2053.0	2058.4	2063.8	2053.0	2070.9	2097.8	2081.7	2053.0
40°	1945.4	1959.8	1993.8	1984.9	1979.5	1984.9	1977.7	2008.2	2035.1	2006.4	1972.3
42.5°	1855.8	1882.7	1934.7	1934.7	1923.9	1927.5	1923.9	1961.6	1981.3	1941.8	1904.2
45°	1778.7	1818.1	1884.5	1893.4	1875.5	1875.5	1882.7	1929.3	1936.5	1882.7	1843.2
47.5°	1724.9	1773.3	1848.6	1864.7	1837.9	1836.1	1855.8	1906.0	1906.0	1843.2	1798.4
50°	1687.2	1741.0	1830.7	1852.2	1825.3	1818.1	1850.4	1898.8	1888.1	1812.7	1767.9
52.5°	1662.1	1717.7	1828.9	1859.4	1841.4	1834.3	1866.5	1900.6	1873.7	1793.0	1746.4
55°	1646.0	1707.0	1834.3	1859.4	1839.6	1827.1	1859.4	1889.8	1875.5	1782.3	1737.4
57.5°	1655.0	1715.9	1827.1	1839.6	1816.3	1794.8	1832.5	1875.5	1870.1	1785.9	1741.0
60°	1640.6	1696.2	1787.6	1791.2	1751.8	1717.7	1773.3	1837.9	1837.9	1773.3	1733.9
62.5°	1574.3	1629.9	1710.5	1714.1	1669.3	1631.7	1696.2	1773.3	1771.5	1719.5	1678.3
65°	1464.9	1516.9	1608.3	1617.3	1572.5	1533.0	1599.4	1671.1	1676.5	1629.9	1594.0
67.5°	1344.8	1391.4	1459.5	1495.4	1457.7	1416.5	1477.5	1545.6	1543.8	1488.2	1450.6
70°	1201.3	1244.4	1307.1	1337.6	1314.3	1274.8	1330.4	1366.3	1350.1	1323.3	1298.2
72.5°	1059.7	1100.9	1160.1	1160.1	1135.0	1097.3	1113.5	1178.0	1197.7	1178.0	1161.9
75°	910.9	946.7	988.0	996.9	941.3	873.2	948.5	1004.1	1027.4	1018.4	998.7
77.5°	758.4	785.3	846.3	830.2	726.2	690.3	751.3	833.8	849.9	844.5	817.6
80°	584.5	600.7	665.2	632.9	552.3	528.9	555.8	620.4	624.0	606.0	572.0
82.5°	392.7	414.2	457.2	394.5	392.7	371.2	349.6	356.8	389.1	385.5	362.2
85°	200.8	211.6	252.8	236.7	202.6	175.7	166.8	177.5	159.6	145.2	125.5
87.5°	84.3	91.4	125.5	69.9	21.5	0.0	0.0	10.8	16.1	23.3	25.1
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°	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6
2.5°	2673.4	2693.1	2741.5	2802.5	2861.7	2922.6	2989.0	3030.2	3080.4	3145.0	3146.8
5°	2486.9	2531.8	2601.7	2694.9	2791.7	2902.9	3032.0	3139.6	3268.7	3370.9	3412.1
7.5°	2372.2	2436.7	2524.6	2642.9	2770.2	2908.3	3076.8	3257.9	3469.5	3605.8	3686.5
10°	2382.9	2481.5	2569.4	2669.8	2784.6	2933.4	3150.3	3390.6	3650.6	3829.9	3930.3
12.5°	2574.8	2678.8	2662.6	2657.3	2734.4	2915.5	3209.5	3525.1	3842.5	4021.8	4141.9
15°	2816.8	2856.3	2703.9	2589.1	2635.7	2850.9	3241.8	3645.2	4002.0	4220.8	4339.1
17.5°	2940.6	2861.7	2677.0	2504.9	2492.3	2752.3	3257.9	3767.1	4181.3	4400.1	4525.6
20°	2883.2	2768.4	2612.4	2449.3	2359.6	2617.8	3249.0	3864.0	4344.5	4588.4	4690.6
22.5°	2759.5	2659.1	2537.1	2381.1	2252.0	2470.8	3225.7	3960.8	4489.7	4735.4	4825.0
25°	2625.0	2549.7	2449.3	2313.0	2191.1	2341.7	3209.5	4089.9	4656.5	4891.4	4948.8
27.5°	2490.5	2434.9	2352.5	2246.7	2176.7	2252.0	3214.9	4258.4	4871.7	5094.0	5070.7
30°	2357.8	2309.4	2252.0	2205.4	2174.9	2230.5	3200.6	4437.7	5108.3	5314.5	5176.5
32.5°	2232.3	2187.5	2151.6	2158.8	2176.7	2239.5	3127.0	4600.9	5325.3	5501.0	5291.2
35°	2124.7	2078.1	2078.1	2103.2	2169.6	2209.0	2937.0	4728.2	5565.6	5741.3	5454.4
37.5°	2024.3	1983.1	2010.0	2051.2	2114.0	2126.5	2693.1	4851.9	5915.2	6080.2	5707.2
40°	1936.5	1895.2	1943.6	1995.6	2027.9	2022.5	2445.7	5024.1	6327.6	6497.9	6042.5
42.5°	1866.5	1828.9	1871.9	1938.3	1943.6	1949.0	2264.6	5189.0	6806.3	7023.3	6619.9
45°	1809.2	1782.3	1803.8	1870.1	1870.1	1952.6	2151.6	5327.1	7527.1	7910.8	7679.5
47.5°	1764.3	1748.2	1759.0	1780.5	1816.3	2017.2	2079.9	5432.9	8839.6	9592.7	9359.6
50°	1739.2	1723.1	1737.4	1692.6	1800.2	2049.4	2056.6	5513.6	10569.9	11749.7	11461.0
52.5°	1717.7	1712.3	1721.3	1617.3	1836.1	2027.9	2038.7	5406.0	11730.0	13872.6	14157.7
55°	1710.5	1714.1	1671.1	1561.7	1879.1	1956.2	1984.9	4636.8	12045.5	15703.3	17473.0
57.5°	1714.1	1703.4	1594.0	1567.1	1880.9	1812.7	2062.0	3308.1	11586.5	16499.4	20716.6
60°	1701.6	1647.8	1500.8	1615.5	1798.4	1644.2	2006.4	2157.0	10376.2	15888.0	20904.9
62.5°	1646.0	1567.1	1420.1	1642.4	1651.4	1543.8	1821.7	1662.1	8762.5	14579.1	19090.3
65°	1565.3	1459.5	1351.9	1586.8	1502.6	1497.2	1369.9	1332.2	7046.6	13021.0	17369.0
67.5°	1432.6	1326.8	1301.7	1459.5	1351.9	1326.8	1100.9	1104.5	5622.9	11360.6	15638.8
70°	1282.0	1176.2	1195.9	1319.7	1203.1	1102.7	891.1	919.8	4265.6	9465.4	13306.0
72.5°	1183.4	1041.7	1043.5	1161.9	1057.9	892.9	733.3	758.4	2707.5	7134.5	10578.9
75°	998.7	918.0	878.6	941.3	898.3	695.7	616.8	611.4	1604.8	5113.7	7921.6
77.5°	833.8	771.0	751.3	776.4	670.6	514.6	496.7	487.7	909.1	3275.9	5190.8
80°	604.2	588.1	586.3	598.9	516.4	378.3	378.3	380.1	489.5	1778.7	2926.2
82.5°	383.7	419.6	371.2	412.4	351.4	269.0	251.0	285.1	281.5	758.4	1233.6
85°	159.6	218.7	204.4	217.0	166.8	147.0	157.8	170.3	163.2	292.3	480.5
87.5°	30.5	35.9	39.4	37.7	37.7	46.6	52.0	62.8	62.8	84.3	145.2
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: P636337  
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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6	2922.6
2.5°	3214.9	3266.9	3256.1	3279.4	3249.0	3259.7	3198.8	3182.6	3171.9	3175.4
5°	3544.8	3650.6	3670.3	3709.8	3682.9	3682.9	3575.3	3494.6	3465.9	3444.4
7.5°	3880.1	4032.5	4132.9	4143.7	4129.3	4100.7	3944.7	3799.4	3747.4	3702.6
10°	4177.8	4360.6	4473.6	4527.4	4500.5	4455.7	4262.0	4063.0	4000.2	3960.8
12.5°	4405.5	4566.8	4642.1	4678.0	4674.4	4658.3	4500.5	4285.3	4219.0	4158.0
15°	4552.5	4633.2	4604.5	4602.7	4627.8	4692.3	4643.9	4475.4	4398.3	4342.7
17.5°	4647.5	4570.4	4443.1	4383.9	4437.7	4590.1	4701.3	4606.3	4536.4	4475.4
20°	4681.6	4407.3	4222.6	4113.2	4176.0	4396.5	4670.8	4701.3	4642.1	4591.9
22.5°	4642.1	4208.2	3957.2	3828.1	3889.1	4152.6	4581.2	4778.4	4739.0	4690.6
25°	4545.3	4000.2	3699.0	3582.5	3648.8	3917.8	4421.6	4850.1	4851.9	4812.5
27.5°	4425.2	3808.4	3517.9	3408.5	3473.1	3724.1	4265.6	4912.9	4975.6	4961.3
30°	4303.3	3693.6	3431.9	3354.8	3403.2	3625.5	4106.0	4977.4	5103.0	5128.1
32.5°	4247.7	3749.2	3634.5	3668.5	3605.8	3682.9	4048.7	5068.9	5257.2	5298.4
35°	4321.2	4242.3	4532.8	4667.2	4444.9	4152.6	4122.2	5206.9	5474.1	5535.1
37.5°	4678.0	5298.4	5732.3	6205.7	5820.2	5176.5	4486.2	5441.8	5784.3	5881.1
40°	5454.4	6220.0	7003.6	7615.0	7032.2	6166.2	5178.3	5791.5	6211.0	6298.9
42.5°	6185.9	7084.2	8163.6	8954.4	8197.7	6974.9	5924.2	6379.6	6774.1	6822.5
45°	6903.1	7932.3	9567.6	10666.7	9639.3	7744.1	6686.2	7372.9	7670.6	7672.4
47.5°	7744.1	8888.0	11328.3	12893.6	11552.5	8595.8	7401.6	8945.4	9359.6	9157.0
50°	8750.0	9838.3	13141.1	15484.6	13885.2	9642.9	8310.7	10862.2	11427.0	11197.4
52.5°	10096.5	10885.5	15138.5	18010.9	16427.7	10835.3	9628.5	13393.9	13580.4	13151.8
55°	11991.8	12397.0	17702.5	21130.8	19266.1	12303.7	11556.1	16571.1	16049.4	14821.2
57.5°	16307.6	14788.9	20994.5	24690.0	22477.4	14971.8	15780.4	20074.7	18218.9	16148.0
60°	19918.7	17693.6	24040.9	28222.2	25229.7	17912.3	19746.6	20684.3	18138.3	16001.0
62.5°	18701.3	18434.1	25140.0	28611.3	26169.2	19359.3	19009.7	19147.7	16954.9	15023.8
65°	16408.0	17005.1	24159.2	26766.3	25127.5	18062.9	17195.1	17727.6	15601.1	13655.7
67.5°	15054.2	15493.5	22414.6	23813.2	23234.0	16660.8	15784.0	15398.5	13499.7	11846.5
70°	13670.0	14034.0	19965.3	20107.0	20280.9	14329.9	12906.2	11758.7	10062.5	8906.0
72.5°	11812.5	11832.2	16868.8	16047.6	16377.5	11213.6	10388.8	8791.2	7324.5	6275.6
75°	9910.1	9368.6	13352.7	11217.2	11878.8	8723.1	8626.2	6625.2	5524.3	4663.7
77.5°	7555.8	6922.9	9754.1	7376.5	8342.9	5809.4	6485.4	4493.3	3887.3	3103.7
80°	5072.5	4678.0	5389.8	4163.4	5458.0	4003.8	4229.7	2546.1	2207.2	1712.3
82.5°	2675.2	2284.3	3331.4	2469.0	3292.0	2200.0	1586.8	787.1	670.6	541.5
85°	1036.4	1199.5	1633.4	878.6	1276.6	785.3	459.0	195.4	163.2	123.7
87.5°	200.8	310.2	170.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)