

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: P637331

Luminaire Tested: GWS-SA4C-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-750-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

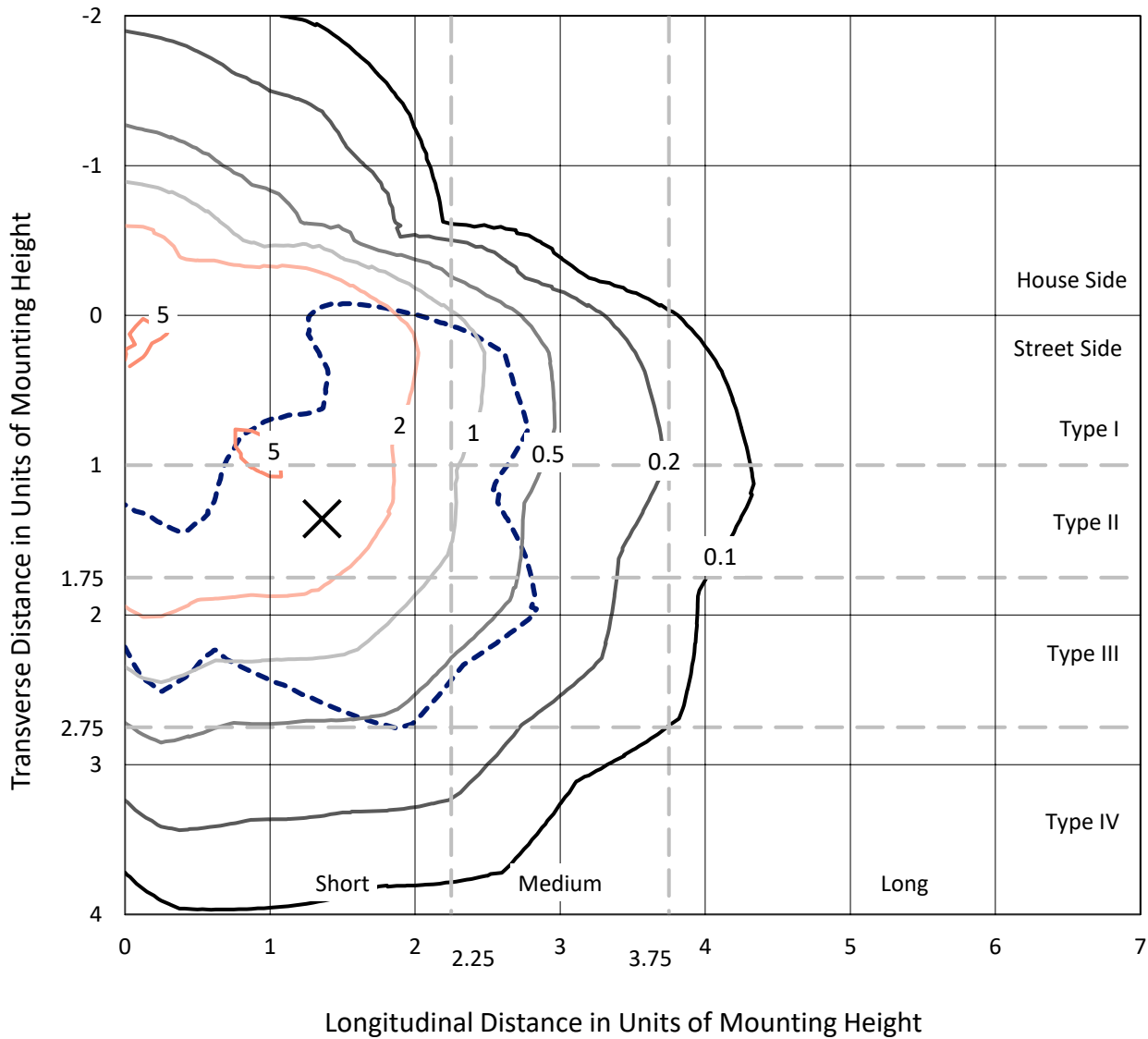
Lumens per Lamp: N/A  
Luminaire Lumens: 18801 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

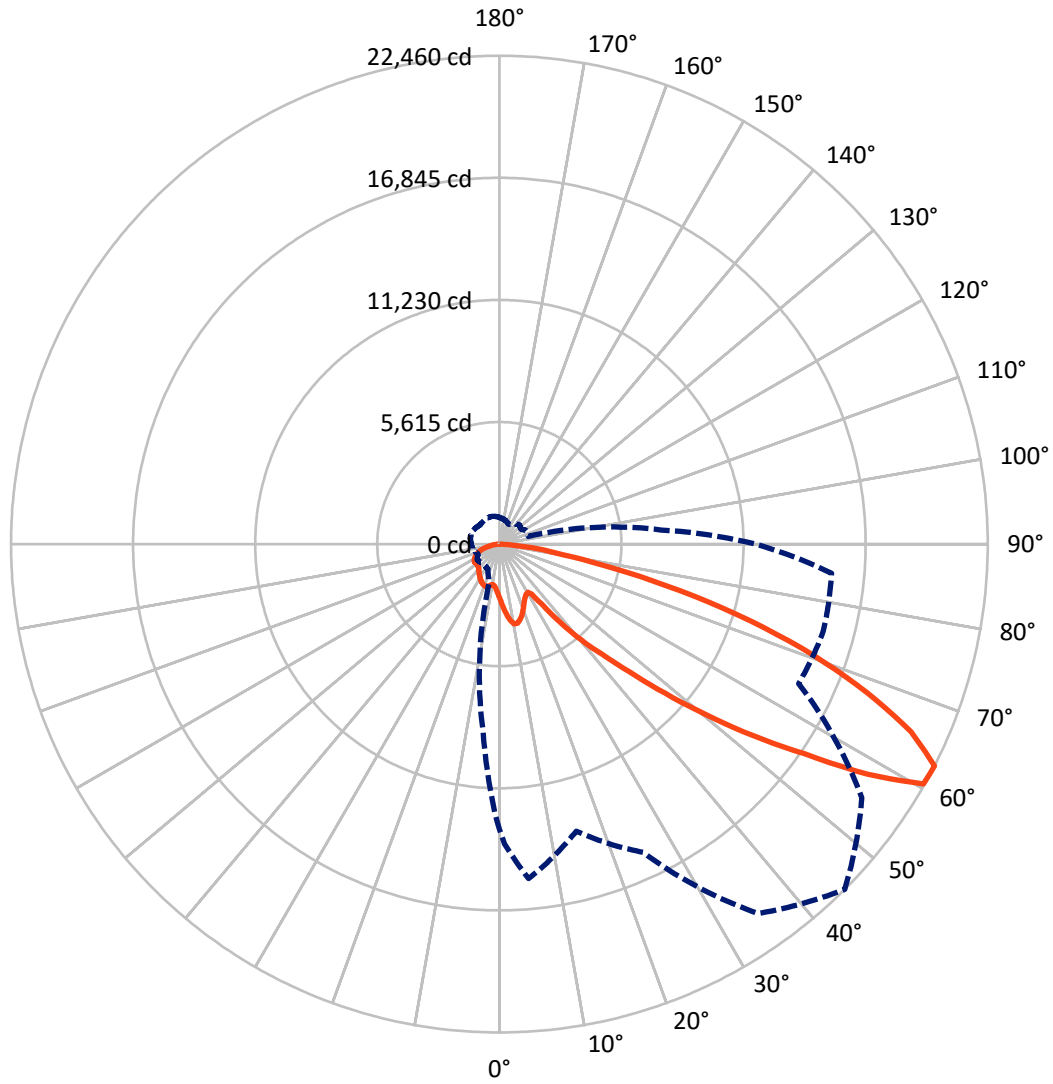
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4486.3	0.0	4486.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	14314.7	0.0	14314.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	18801.0	0.0	18801.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	1.3
10°-20°	763.9	4.1
20°-30°	1186.6	6.3
30°-40°	1611.1	8.6
40°-50°	2553.4	13.6
50°-60°	4504.2	24.0
60°-70°	5011.6	26.7
70°-80°	2541.7	13.5
80°-90°	384.9	2.0
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°	18801.0	100.0
0°-180°	18801.0	100.0

**Coefficient of Utilization**



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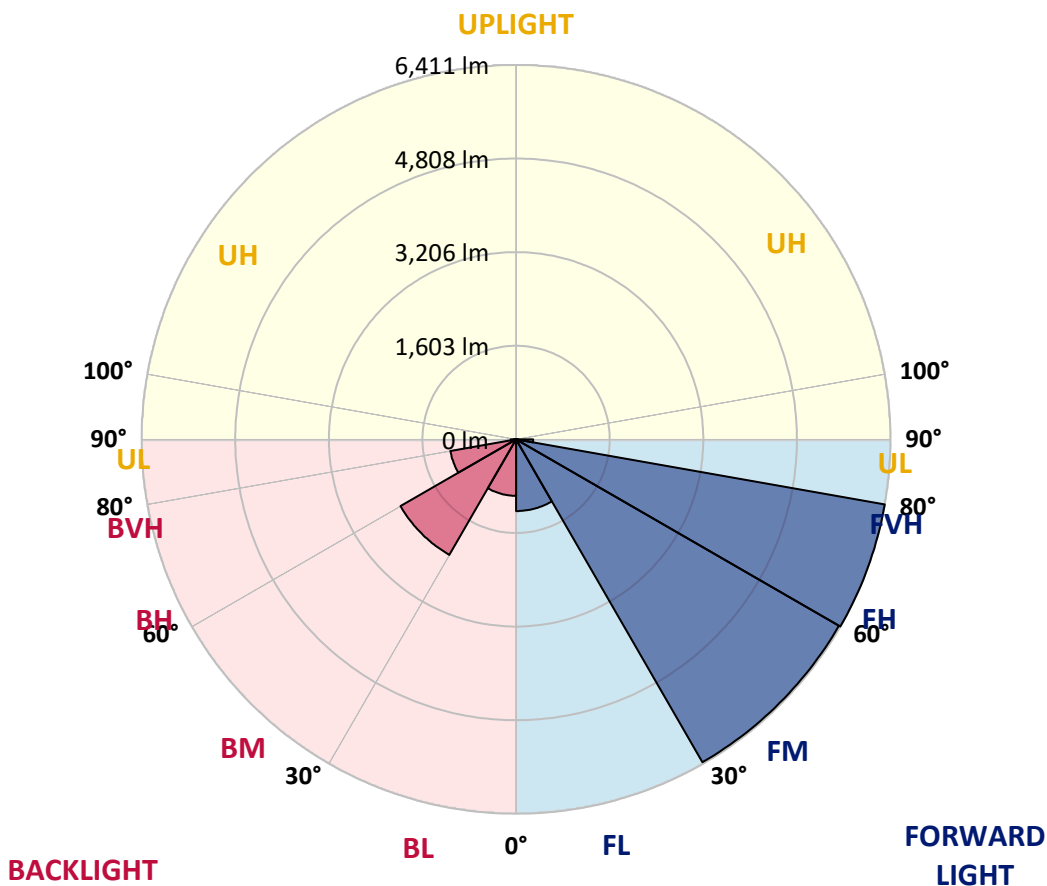
CATALOG NUMBER: GWS-SA4C-750-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.5	6.5			
FM (30°-60°)	6383.8	34.0			
FH (60°-80°)	6411.3	34.1			G3/7500
FVH (80°-90°)	292.1	1.6			G3/500
BL (0°-30°)	966.7	5.1	B2/1000		
BM (30°-60°)	2284.9	12.2	B2/2500		
BH (60°-80°)	1142.0	6.1	B3/2500		G3/2500
BVH (80°-90°)	92.7	0.5			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°	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3
2.5°	2681.7	2680.3	2707.4	2748.6	2787.1	2804.2	2832.6	2829.8	2807.0	2777.1	2767.2
5°	2892.4	2898.1	2945.1	3036.2	3137.2	3179.9	3198.5	3191.3	3150.1	3097.4	3004.9
7.5°	3083.2	3093.1	3165.7	3302.4	3427.6	3484.6	3530.1	3521.6	3461.8	3363.6	3226.9
10°	3222.7	3234.0	3320.9	3481.7	3621.2	3671.0	3729.4	3732.2	3679.6	3547.2	3407.7
12.5°	3362.1	3373.5	3454.7	3601.3	3692.4	3693.8	3728.0	3746.5	3749.3	3688.1	3548.6
15°	3507.3	3517.3	3591.3	3673.9	3669.6	3589.9	3589.9	3625.5	3703.8	3747.9	3651.1
17.5°	3631.2	3644.0	3700.9	3673.9	3547.2	3403.4	3386.3	3431.9	3568.5	3737.9	3728.0
20°	3733.7	3743.6	3774.9	3595.6	3365.0	3177.1	3144.4	3197.0	3382.1	3676.7	3786.3
22.5°	3831.9	3837.6	3820.5	3493.1	3168.6	2953.6	2913.8	2969.3	3168.6	3568.5	3836.1
25°	3948.6	3942.9	3861.8	3386.3	2989.2	2777.1	2735.8	2798.5	3006.3	3424.8	3890.2
27.5°	4083.8	4062.5	3897.4	3271.0	2851.1	2646.2	2617.7	2684.6	2878.2	3292.4	3932.9
30°	4199.1	4157.8	3903.1	3168.6	2780.0	2590.6	2573.6	2636.2	2815.5	3202.7	3987.0
32.5°	4327.2	4270.3	3935.8	3141.5	2819.8	2724.4	2747.2	2751.5	2832.6	3177.1	4068.2
35°	4510.9	4436.8	4025.5	3219.8	3229.8	3390.6	3473.2	3362.1	3090.3	3234.0	4221.9
37.5°	4788.4	4694.5	4207.7	3558.6	4076.7	4436.8	4636.1	4382.7	3873.2	3449.0	4453.9
40°	5125.8	5006.2	4441.1	4184.9	4868.1	5444.6	5799.1	5427.5	4678.8	3985.6	4779.9
42.5°	5596.9	5471.7	4893.8	4799.8	5601.2	6459.5	6922.2	6368.4	5389.1	4678.8	5302.3
45°	6418.3	6297.3	5723.6	5416.2	6459.5	7709.3	8358.4	7588.3	6110.8	5374.9	6278.8
47.5°	7935.6	7793.3	6956.3	6099.4	7438.9	9332.0	10240.2	9118.5	6860.9	6172.0	7918.6
50°	9757.6	9621.0	8503.6	6907.9	8520.7	11067.2	12329.8	10916.3	7725.0	7141.4	9878.6
52.5°	11949.7	11924.1	10711.3	7929.9	9646.6	12917.6	14648.5	12907.7	8671.5	8446.6	12099.2
55°	13925.4	14176.0	13515.5	9488.6	11101.3	15242.1	17032.8	15079.8	9955.5	10604.6	14699.8
57.5°	14990.2	15663.4	16678.4	12668.5	13216.6	18020.7	19975.0	17731.7	12161.8	14197.3	17111.1
60°	14287.0	15049.9	16889.0	15062.8	15314.7	20246.9	22403.4	19960.8	14328.3	16691.2	16974.4
62.5°	13116.9	13801.6	15437.1	13664.9	15639.2	20736.6	22460.3	20349.4	15189.4	15425.7	15333.2
65°	11729.1	12419.4	14151.8	11928.4	14607.3	19573.6	20803.5	19206.4	13642.2	13936.8	13971.0
67.5°	9885.7	10523.4	12287.1	10606.0	13314.8	17866.9	18259.8	17578.0	12563.2	13032.9	12541.9
70°	7386.2	7961.3	9518.5	8618.9	11223.8	15643.5	15326.1	15427.2	11351.9	11818.8	10476.5
72.5°	5047.5	5480.2	6815.4	6772.7	8594.7	12523.4	12080.7	13038.6	9481.5	10100.7	7986.9
75°	3530.1	3867.5	4926.5	5350.7	6496.5	9282.2	8603.2	9759.1	7404.7	8288.6	5827.5
77.5°	2166.5	2389.9	3111.6	3964.3	4179.2	6352.8	5343.6	7343.5	5199.8	6045.3	3887.4
80°	1083.2	1191.4	1511.7	2492.4	2771.4	3743.6	2950.8	4263.2	3518.7	3743.6	2150.8
82.5°	327.4	361.6	442.7	946.6	1436.2	2155.1	1743.7	2476.8	1921.6	1755.1	846.9
85°	86.8	98.2	122.4	280.4	503.9	772.9	589.3	1200.0	921.0	647.7	318.8
87.5°	7.1	7.1	5.7	5.7	2.8	0.0	0.0	85.4	172.2	98.2	55.5
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°	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3
2.5°	2717.3	2711.6	2653.3	2610.6	2560.8	2512.4	2462.5	2418.4	2368.6	2318.8	2304.5
5°	2936.5	2896.7	2772.8	2668.9	2566.4	2476.8	2398.5	2317.3	2251.9	2187.8	2163.6
7.5°	3130.1	3060.4	2881.0	2723.0	2580.7	2469.7	2354.4	2236.2	2143.7	2052.6	2029.8
10°	3305.2	3212.7	2986.4	2787.1	2629.1	2502.4	2367.2	2209.2	2075.4	1964.3	1934.4
12.5°	3434.7	3333.7	3077.5	2848.3	2668.9	2526.6	2392.8	2253.3	2112.4	1968.6	1935.9
15°	3537.2	3431.9	3152.9	2895.3	2670.4	2486.7	2357.2	2308.8	2264.7	2123.8	2064.0
17.5°	3619.8	3508.8	3218.4	2923.7	2631.9	2365.7	2253.3	2324.5	2436.9	2348.7	2236.2
20°	3695.2	3582.8	3268.2	2943.7	2546.5	2199.2	2136.6	2287.5	2456.8	2454.0	2352.9
22.5°	3777.8	3668.2	3340.8	2955.0	2427.0	2029.8	2066.8	2233.4	2371.4	2412.7	2350.1
25°	3883.1	3786.3	3441.9	2980.7	2291.7	1913.1	2015.6	2163.6	2278.9	2288.9	2251.9
27.5°	4005.5	3932.9	3592.7	3040.5	2160.8	1853.3	1955.8	2065.4	2170.7	2175.0	2130.9
30°	4139.3	4090.9	3732.2	3090.3	2062.6	1834.8	1878.9	1967.2	2034.1	2045.5	2007.0
32.5°	4310.2	4267.4	3856.1	3057.5	2004.2	1830.5	1807.8	1853.3	1908.8	1908.8	1878.9
35°	4545.0	4485.2	3987.0	2932.3	1933.0	1813.5	1732.3	1745.1	1769.3	1773.6	1756.5
37.5°	4878.1	4779.9	4119.4	2684.6	1816.3	1752.2	1645.5	1629.8	1638.4	1649.8	1645.5
40°	5290.9	5130.0	4313.0	2387.1	1676.8	1634.1	1555.8	1525.9	1518.8	1541.6	1550.1
42.5°	5810.5	5564.2	4520.8	2109.5	1550.1	1498.9	1450.5	1424.9	1413.5	1451.9	1474.7
45°	6640.3	6234.6	4720.1	1834.8	1478.9	1383.6	1350.8	1332.3	1338.0	1383.6	1412.0
47.5°	8073.7	7258.1	4909.4	1661.1	1473.3	1301.0	1261.2	1265.4	1281.1	1329.5	1363.6
50°	9887.2	8628.8	5036.1	1588.6	1490.3	1251.2	1198.5	1221.3	1245.5	1292.5	1332.3
52.5°	11733.4	9905.7	4885.2	1548.7	1488.9	1252.6	1140.2	1208.5	1219.9	1266.9	1309.6
55°	13003.1	10048.0	4220.5	1487.5	1466.1	1309.6	1094.6	1202.8	1209.9	1252.6	1291.1
57.5°	13487.0	9561.2	3218.4	1504.6	1397.8	1353.7	1074.7	1162.9	1214.2	1251.2	1291.1
60°	12902.0	8643.1	1955.8	1548.7	1288.2	1350.8	1087.5	1090.3	1178.6	1241.2	1281.1
62.5°	11798.8	7464.5	1373.6	1423.4	1208.5	1275.4	1117.4	1004.9	1116.0	1191.4	1227.0
65°	10534.8	6078.1	1047.6	1225.6	1170.1	1158.7	1127.4	929.5	1030.6	1104.6	1135.9
67.5°	9218.1	4724.4	851.2	913.8	1057.6	1047.6	1030.6	862.6	929.5	982.2	1017.8
70°	7559.8	3305.2	718.8	686.1	906.7	939.5	901.0	778.6	800.0	854.1	882.5
72.5°	5530.0	2059.7	590.7	566.5	728.8	821.3	801.4	686.1	696.1	747.3	770.1
75°	3977.1	1178.6	474.0	466.9	556.6	703.2	663.3	590.7	602.1	640.5	656.2
77.5°	2528.0	656.2	365.8	375.8	398.6	525.2	566.5	505.3	505.3	528.1	540.9
80°	1353.7	375.8	267.6	271.9	279.0	401.4	447.0	391.4	391.4	375.8	391.4
82.5°	552.3	216.4	183.6	170.8	186.5	274.7	313.2	249.1	260.5	234.9	240.6
85°	182.2	108.2	91.1	89.7	88.3	121.0	150.9	123.8	148.0	93.9	98.2
87.5°	24.2	19.9	11.4	8.5	10.0	4.3	8.5	10.0	10.0	7.1	7.1
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°	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3
2.5°	2294.6	2283.2	2241.9	2251.9	2244.8	2233.4	2244.8	2223.4	2240.5	2246.2	2281.8
5°	2145.1	2118.1	2078.2	2058.3	2054.0	2042.6	2044.0	2034.1	2036.9	2061.1	2101.0
7.5°	2011.3	1985.7	1954.4	1940.1	1927.3	1914.5	1913.1	1911.7	1923.1	1944.4	1982.8
10°	1914.5	1900.3	1887.5	1893.2	1887.5	1881.8	1871.8	1871.8	1890.3	1928.8	1975.7
12.5°	1914.5	1911.7	1914.5	1931.6	1930.2	1931.6	1918.8	1925.9	1977.1	2042.6	2109.5
15°	2017.0	1994.2	1994.2	2002.8	1999.9	1999.9	1999.9	2029.8	2146.5	2247.6	2318.8
17.5°	2142.3	2075.4	2046.9	2042.6	2041.2	2041.2	2046.9	2110.9	2293.1	2399.9	2441.2
20°	2229.1	2102.4	2055.4	2036.9	2038.4	2041.2	2058.3	2146.5	2347.2	2401.3	2391.4
22.5°	2244.8	2081.1	2024.1	1997.1	2001.3	2004.2	2029.8	2123.8	2273.2	2281.8	2261.8
25°	2172.2	2021.3	1960.1	1938.7	1944.4	1943.0	1965.8	2034.1	2140.8	2138.0	2126.6
27.5°	2064.0	1925.9	1880.4	1866.1	1876.1	1864.7	1871.8	1924.5	2007.0	2004.2	1999.9
30°	1952.9	1833.4	1792.1	1785.0	1797.8	1780.7	1782.1	1826.3	1883.2	1880.4	1878.9
32.5°	1841.9	1740.9	1703.8	1703.8	1716.7	1698.2	1701.0	1739.4	1777.9	1766.5	1766.5
35°	1736.6	1665.4	1635.5	1629.8	1639.8	1627.0	1632.7	1668.3	1682.5	1666.8	1656.9
37.5°	1644.1	1612.7	1582.9	1562.9	1564.4	1565.8	1582.9	1609.9	1601.4	1578.6	1565.8
40°	1558.7	1558.7	1530.2	1493.2	1488.9	1498.9	1527.3	1557.2	1533.0	1507.4	1491.8
42.5°	1497.5	1510.3	1483.2	1446.2	1437.7	1454.7	1486.1	1507.4	1478.9	1450.5	1429.1
45°	1440.5	1471.8	1453.3	1412.0	1400.7	1420.6	1460.4	1469.0	1430.5	1403.5	1387.8
47.5°	1400.7	1443.4	1430.5	1390.7	1373.6	1402.1	1443.4	1441.9	1393.5	1365.1	1352.3
50°	1372.2	1426.3	1424.9	1390.7	1372.2	1407.8	1444.8	1426.3	1373.6	1343.7	1330.9
52.5°	1349.4	1424.9	1434.8	1414.9	1402.1	1433.4	1456.2	1420.6	1359.4	1328.1	1318.1
55°	1339.4	1430.5	1437.7	1419.2	1407.8	1436.2	1456.2	1432.0	1359.4	1330.9	1322.4
57.5°	1342.3	1423.4	1424.9	1399.2	1379.3	1414.9	1446.2	1439.1	1375.0	1342.3	1332.3
60°	1325.2	1385.0	1387.8	1348.0	1325.2	1367.9	1423.4	1419.2	1367.9	1333.8	1315.3
62.5°	1268.3	1320.9	1322.4	1285.4	1252.6	1313.8	1375.0	1373.6	1326.6	1292.5	1271.1
65°	1172.9	1228.4	1242.7	1207.1	1181.4	1246.9	1311.0	1308.1	1261.2	1229.8	1208.5
67.5°	1054.8	1114.5	1141.6	1117.4	1107.4	1167.2	1227.0	1225.6	1187.1	1157.3	1138.7
70°	911.0	960.8	1006.4	1006.4	999.2	1067.6	1131.6	1125.9	1090.3	1067.6	1053.3
72.5°	791.4	829.9	844.1	858.3	879.7	950.9	1004.9	1009.2	983.6	972.2	983.6
75°	673.3	697.5	710.3	698.9	735.9	809.9	881.1	888.2	861.2	842.7	846.9
77.5°	553.7	580.8	593.6	567.9	565.1	659.0	745.9	761.5	738.8	710.3	718.8
80°	400.0	435.6	456.9	439.8	434.1	475.4	595.0	612.1	590.7	567.9	580.8
82.5°	244.8	264.8	270.5	287.5	323.1	340.2	382.9	439.8	424.2	404.3	439.8
85°	96.8	115.3	128.1	145.2	169.4	200.7	236.3	281.8	256.2	247.7	291.8
87.5°	5.7	1.4	0.0	2.8	24.2	47.0	101.1	139.5	116.7	125.3	150.9
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: P637331  
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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3	2495.3
2.5°	2310.2	2347.2	2397.1	2438.3	2491.0	2540.8	2592.1	2643.3	2670.4	2681.7
5°	2146.5	2214.9	2294.6	2382.8	2485.3	2593.5	2703.1	2815.5	2886.7	2892.4
7.5°	2048.3	2146.5	2256.1	2367.2	2493.9	2643.3	2817.0	2990.6	3063.2	3083.2
10°	2079.6	2189.2	2276.1	2380.0	2519.5	2705.9	2910.9	3114.5	3198.5	3222.7
12.5°	2204.9	2226.2	2253.3	2348.7	2519.5	2760.0	3007.7	3249.7	3339.4	3362.1
15°	2308.8	2206.3	2157.9	2259.0	2485.3	2807.0	3110.2	3377.8	3486.0	3507.3
17.5°	2317.3	2140.8	2035.5	2126.6	2425.5	2839.7	3208.4	3520.1	3611.2	3631.2
20°	2230.5	2071.1	1934.4	1990.0	2344.4	2854.0	3279.6	3624.1	3713.7	3733.7
22.5°	2132.3	2014.2	1866.1	1863.3	2246.2	2869.6	3365.0	3722.3	3819.1	3831.9
25°	2039.8	1935.9	1810.6	1770.7	2132.3	2899.5	3480.3	3870.3	3944.3	3948.6
27.5°	1931.6	1851.9	1766.5	1728.0	2032.7	2956.5	3651.1	4046.8	4090.9	4083.8
30°	1833.4	1773.6	1735.2	1723.8	1970.0	2999.2	3813.4	4220.5	4223.3	4199.1
32.5°	1729.5	1706.7	1706.7	1743.7	1918.8	2989.2	3945.8	4389.9	4362.8	4327.2
35°	1636.9	1641.2	1671.1	1757.9	1833.4	2889.6	4072.4	4602.0	4562.1	4510.9
37.5°	1548.7	1581.4	1624.1	1708.1	1720.9	2741.5	4220.5	4902.3	4852.5	4788.4
40°	1473.3	1523.1	1572.9	1614.2	1601.4	2530.9	4426.9	5255.3	5199.8	5125.8
42.5°	1413.5	1461.9	1517.4	1521.6	1525.9	2311.7	4646.1	5688.0	5678.1	5596.9
45°	1375.0	1406.4	1459.0	1451.9	1521.6	2069.7	4848.2	6348.5	6479.5	6418.3
47.5°	1349.4	1373.6	1379.3	1409.2	1558.7	1853.3	5108.7	7641.0	8005.4	7935.6
50°	1335.2	1359.4	1295.3	1412.0	1564.4	1713.8	5468.8	9263.7	9850.2	9757.6
52.5°	1333.8	1328.1	1231.3	1441.9	1533.0	1628.4	5656.7	10448.0	11749.0	11949.7
55°	1336.6	1265.4	1198.5	1450.5	1470.4	1597.1	5027.6	11017.4	13501.3	13925.4
57.5°	1311.0	1197.1	1217.0	1416.3	1352.3	1681.1	3716.6	10813.8	14201.6	14990.2
60°	1262.6	1131.6	1251.2	1323.8	1231.3	1537.3	2559.3	9905.7	13475.6	14287.0
62.5°	1192.8	1086.1	1246.9	1204.2	1187.1	1258.3	1759.4	8634.5	12324.1	13116.9
65°	1114.5	1049.1	1180.0	1088.9	1098.9	967.9	1244.1	7199.7	10949.0	11729.1
67.5°	1030.6	1026.3	1081.8	969.4	928.1	767.2	906.7	5770.6	9182.6	9885.7
70°	935.2	966.5	983.6	861.2	753.0	602.1	673.3	4035.4	6774.1	7386.2
72.5°	839.8	842.7	866.9	748.7	563.7	482.5	505.3	2444.0	4602.0	5047.5
75°	743.0	716.0	738.8	609.2	419.9	395.7	390.0	1510.3	3178.5	3530.1
77.5°	639.1	609.2	579.3	458.3	337.4	306.0	298.9	846.9	1950.1	2166.5
80°	519.6	479.7	432.7	335.9	246.3	219.2	217.8	412.8	972.2	1083.2
82.5°	404.3	328.8	316.0	209.2	152.3	133.8	142.3	158.0	293.2	327.4
85°	283.3	239.1	168.0	84.0	68.3	55.5	54.1	47.0	78.3	86.8
87.5°	158.0	103.9	54.1	10.0	11.4	12.8	10.0	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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