

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: P635732

Luminaire Tested: GWS-SA3E-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635732  
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-SA3E-735-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

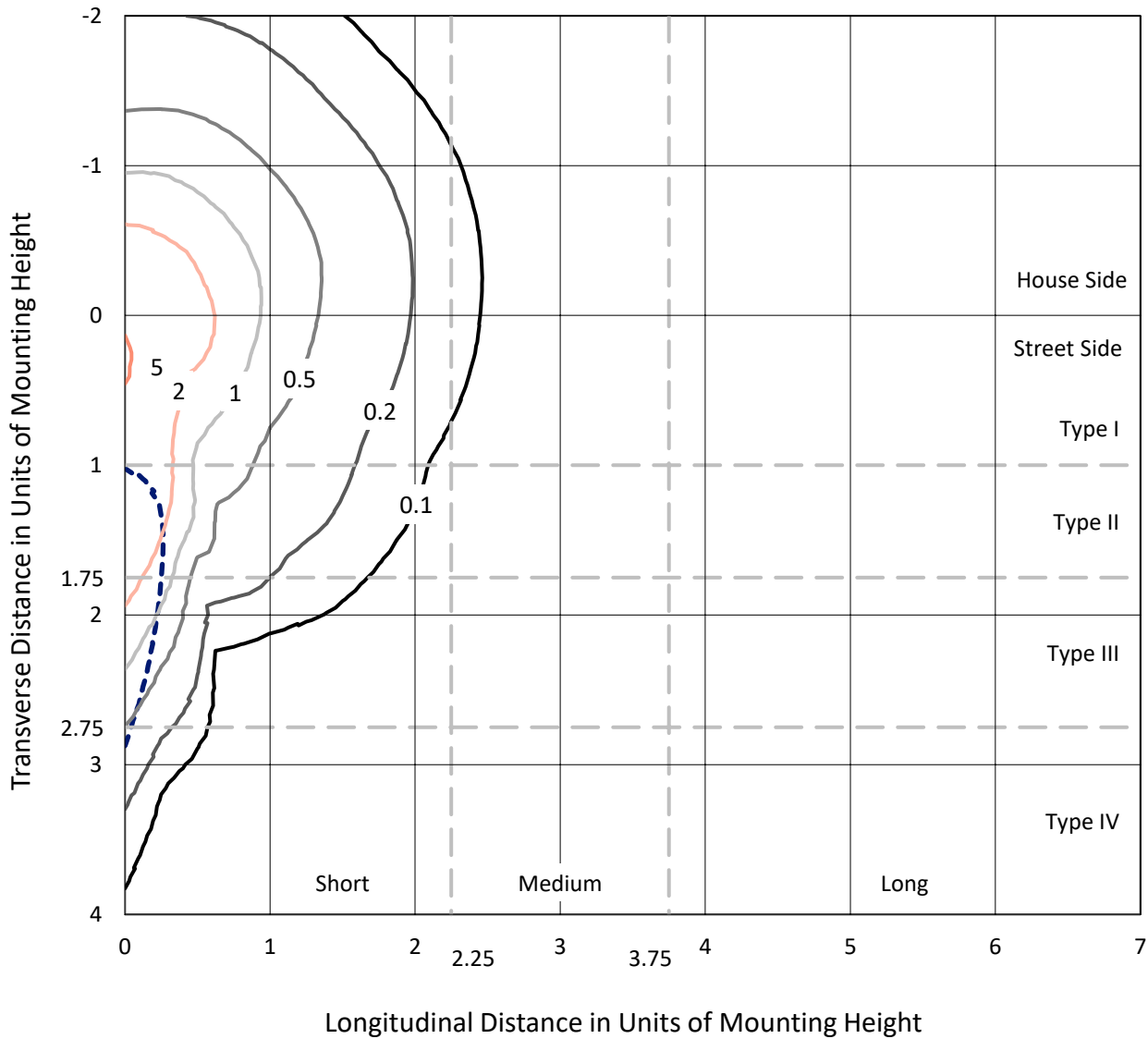
Lumens per Lamp: N/A  
Luminaire Lumens: 20328.8 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

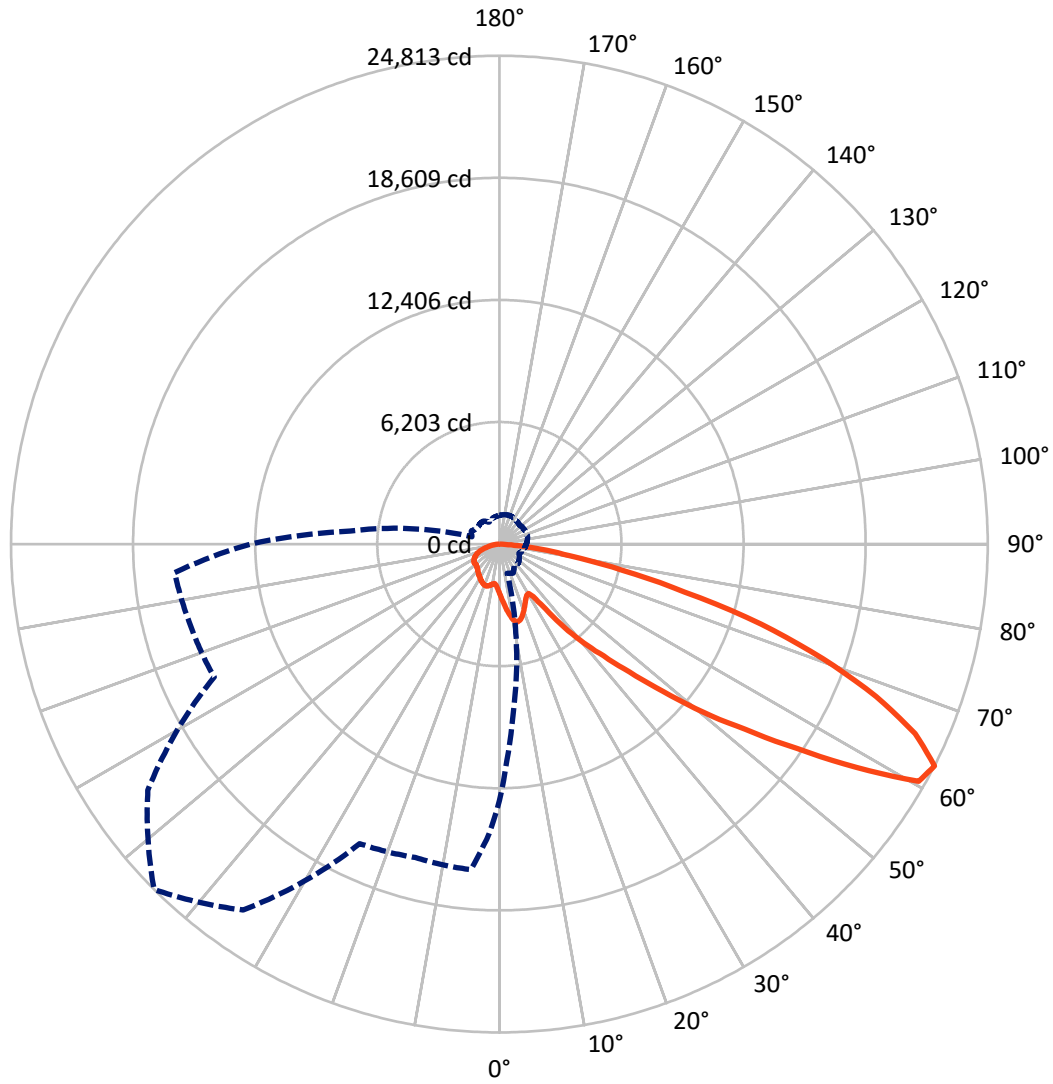
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	4860.6	0.0	4860.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	15468.2	0.0	15468.2
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	20328.8	0.0	20328.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.7	1.2
10°-20°	811.5	4.0
20°-30°	1277.5	6.3
30°-40°	1751.0	8.6
40°-50°	2732.2	13.4
50°-60°	4710.8	23.2
60°-70°	5459.2	26.9
70°-80°	2881.6	14.2
80°-90°	455.2	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°	20328.8	100.0
0°-180°	20328.8	100.0

**Coefficient of Utilization**



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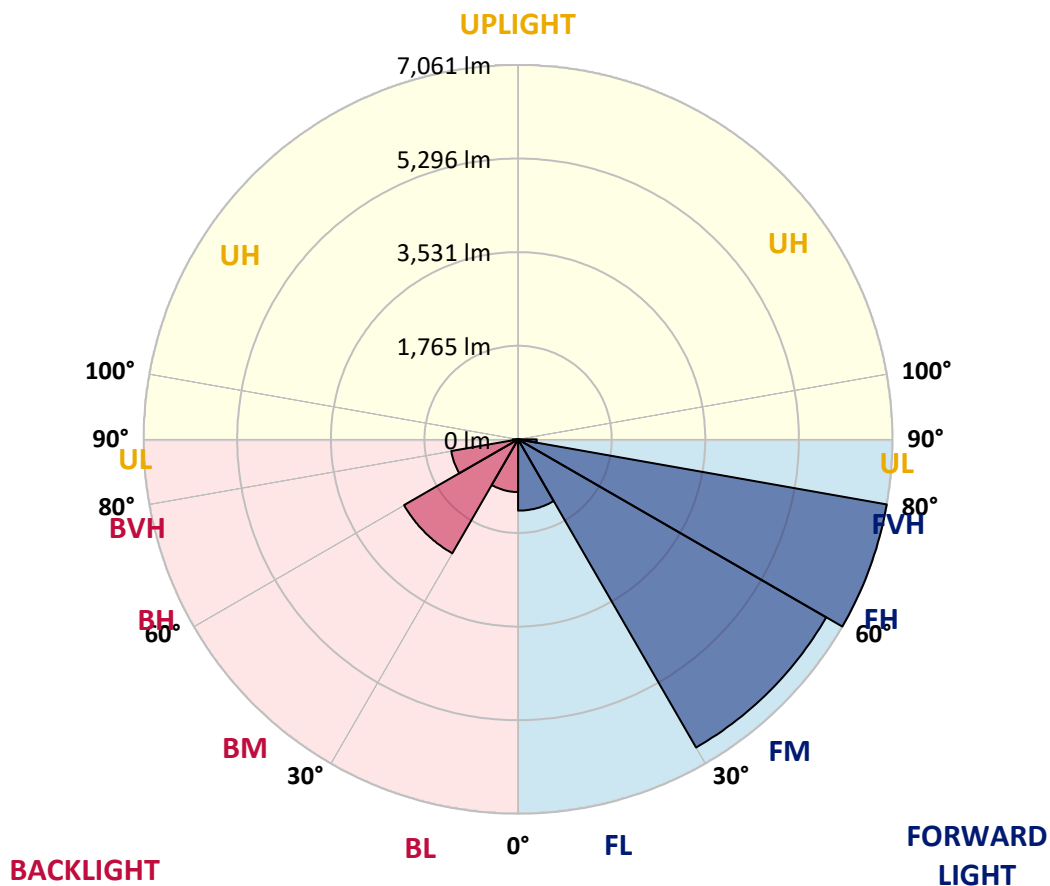
CATALOG NUMBER: GWS-SA3E-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.5	6.6			
FM (30°-60°)	6711.2	33.0			
FH (60°-80°)	7061.1	34.7			G3/7500
FVH (80°-90°)	351.4	1.7			G3/500
BL (0°-30°)	994.2	4.9	B2/1000		
BM (30°-60°)	2482.8	12.2	B2/2500		
BH (60°-80°)	1279.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	103.8	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6
2.5°	2753.8	2742.9	2727.4	2674.5	2641.9	2604.6	2565.7	2520.6	2469.3	2433.5	2397.7
5°	2987.1	2970.0	2932.6	2806.7	2719.6	2624.8	2545.5	2455.3	2366.6	2306.0	2245.4
7.5°	3211.0	3189.2	3131.7	2938.9	2797.4	2660.5	2540.8	2410.2	2278.0	2187.8	2116.3
10°	3434.9	3389.8	3316.7	3064.8	2878.2	2719.6	2582.8	2422.6	2246.9	2124.1	2047.9
12.5°	3605.9	3564.0	3484.7	3179.9	2959.1	2760.0	2606.1	2458.4	2309.1	2178.5	2100.7
15°	3766.1	3711.7	3621.5	3287.2	3025.9	2758.5	2559.5	2430.4	2408.6	2376.0	2274.9
17.5°	3881.2	3831.4	3738.1	3374.3	3063.3	2710.3	2430.4	2354.2	2452.2	2551.7	2455.3
20°	3982.2	3924.7	3829.9	3434.9	3071.0	2603.0	2273.3	2274.9	2428.8	2565.7	2542.4
22.5°	4067.8	4004.0	3920.0	3503.3	3067.9	2453.7	2136.5	2229.8	2383.7	2491.0	2494.2
25°	4173.5	4120.6	4050.7	3604.4	3067.9	2301.3	2037.0	2175.4	2307.6	2397.7	2394.6
27.5°	4302.6	4266.8	4209.3	3758.3	3095.9	2173.8	1981.0	2105.4	2209.6	2287.3	2285.8
30°	4447.2	4414.5	4371.0	3921.6	3144.1	2079.0	1949.9	2018.3	2094.5	2156.7	2156.7
32.5°	4594.9	4582.5	4535.8	4052.2	3106.8	2049.4	1923.5	1931.3	1971.7	2023.0	2018.3
35°	4800.2	4787.7	4728.6	4153.3	2945.1	2007.4	1881.5	1842.6	1847.3	1879.9	1890.8
37.5°	5100.3	5081.6	4994.5	4271.5	2701.0	1901.7	1813.1	1749.3	1735.3	1749.3	1769.5
40°	5462.6	5434.6	5316.4	4431.6	2419.5	1758.7	1705.8	1652.9	1629.6	1634.3	1657.6
42.5°	5916.6	5857.5	5688.0	4601.1	2141.2	1632.7	1586.1	1553.4	1527.0	1523.9	1569.0
45°	6653.7	6491.9	6222.9	4751.9	1906.4	1565.8	1478.8	1455.4	1433.7	1446.1	1499.0
47.5°	7941.2	7642.6	7118.6	4881.0	1763.3	1567.4	1393.2	1368.4	1366.8	1391.7	1450.8
50°	9710.7	9280.0	8471.4	4968.1	1688.7	1586.1	1341.9	1301.5	1331.0	1355.9	1411.9
52.5°	11405.6	10747.9	9785.3	4966.5	1656.0	1589.2	1355.9	1239.3	1331.0	1337.3	1390.1
55°	12853.3	11662.2	10139.9	4456.5	1609.4	1576.7	1410.3	1191.1	1313.9	1337.3	1379.2
57.5°	14003.9	12243.7	10113.4	3599.7	1750.9	1508.3	1443.0	1180.2	1264.2	1340.4	1388.6
60°	13876.4	11977.8	9461.9	2209.6	1736.9	1387.0	1438.3	1200.4	1180.2	1298.4	1377.7
62.5°	13029.0	11024.6	8340.8	1533.2	1631.2	1317.0	1362.1	1236.2	1102.5	1237.7	1324.8
65°	11842.6	9794.7	6950.7	1175.5	1351.3	1320.2	1233.1	1211.3	1034.0	1141.3	1234.6
67.5°	10273.6	8269.3	5487.4	931.4	942.3	1142.9	1119.6	1076.0	970.3	1055.8	1139.8
70°	7723.5	6034.8	3775.4	749.5	713.7	954.7	1006.1	967.2	908.1	933.0	1021.6
72.5°	5442.4	3940.3	2068.1	594.0	550.5	733.9	873.9	867.7	802.4	821.0	908.1
75°	4044.4	2788.0	1292.2	469.6	447.8	525.6	732.4	751.0	696.6	718.4	785.3
77.5°	2691.6	1805.3	718.4	348.3	348.3	384.1	545.8	632.9	592.4	609.5	656.2
80°	1485.0	919.0	359.2	228.6	234.8	264.3	398.1	455.6	457.2	499.1	511.6
82.5°	469.6	292.3	160.2	133.7	126.0	150.8	256.6	326.5	304.8	388.7	357.6
85°	107.3	68.4	29.5	29.5	32.7	49.8	98.0	174.2	222.4	267.5	194.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	68.4	101.1	90.2
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°	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6
2.5°	2376.0	2344.9	2335.5	2309.1	2306.0	2281.1	2271.8	2271.8	2282.7	2282.7	2293.6
5°	2220.5	2181.6	2159.8	2128.7	2121.0	2102.3	2089.9	2091.4	2105.4	2114.7	2133.4
7.5°	2083.6	2057.2	2041.7	2027.7	2024.6	2021.4	2007.4	2005.9	2010.6	2024.6	2038.5
10°	2026.1	2007.4	2012.1	2023.0	2040.1	2049.4	2037.0	2030.8	2026.1	2035.4	2047.9
12.5°	2082.1	2063.4	2072.8	2091.4	2114.7	2124.1	2119.4	2117.9	2122.5	2158.3	2184.7
15°	2204.9	2169.2	2156.7	2164.5	2183.2	2192.5	2187.8	2194.0	2223.6	2316.9	2383.7
17.5°	2357.3	2270.2	2220.5	2206.5	2214.3	2222.0	2222.0	2237.6	2288.9	2425.7	2509.7
20°	2439.7	2326.2	2242.2	2208.0	2211.1	2218.9	2218.9	2240.7	2298.2	2444.4	2498.8
22.5°	2418.0	2313.8	2211.1	2173.8	2175.4	2181.6	2181.6	2200.3	2251.6	2380.6	2405.5
25°	2332.4	2240.7	2139.6	2107.0	2110.1	2121.0	2117.9	2128.7	2167.6	2273.3	2287.3
27.5°	2229.8	2149.0	2049.4	2024.6	2038.5	2060.3	2041.7	2043.2	2079.0	2167.6	2169.2
30°	2119.4	2052.5	1963.9	1945.3	1971.7	1982.6	1965.5	1965.5	2001.2	2061.9	2060.3
32.5°	1999.7	1957.7	1893.9	1873.7	1903.3	1920.4	1898.6	1901.7	1929.7	1970.1	1954.6
35°	1887.7	1865.9	1836.4	1822.4	1841.1	1856.6	1842.6	1848.8	1875.3	1886.2	1864.4
37.5°	1780.4	1777.3	1780.4	1780.4	1785.1	1789.8	1780.4	1796.0	1819.3	1805.3	1780.4
40°	1687.1	1699.6	1729.1	1721.3	1716.7	1721.3	1715.1	1741.6	1764.9	1740.0	1710.5
42.5°	1609.4	1632.7	1677.8	1677.8	1668.5	1671.6	1668.5	1701.1	1718.2	1684.0	1651.4
45°	1542.5	1576.7	1634.3	1642.0	1626.5	1626.5	1632.7	1673.1	1679.4	1632.7	1598.5
47.5°	1495.9	1537.9	1603.2	1617.2	1593.8	1592.3	1609.4	1652.9	1652.9	1598.5	1559.6
50°	1463.2	1509.9	1587.6	1606.3	1582.9	1576.7	1604.7	1646.7	1637.4	1572.1	1533.2
52.5°	1441.4	1489.6	1586.1	1612.5	1596.9	1590.7	1618.7	1648.3	1624.9	1555.0	1514.5
55°	1427.5	1480.3	1590.7	1612.5	1595.4	1584.5	1612.5	1638.9	1626.5	1545.6	1506.8
57.5°	1435.2	1488.1	1584.5	1595.4	1575.2	1556.5	1589.2	1626.5	1621.8	1548.7	1509.9
60°	1422.8	1471.0	1550.3	1553.4	1519.2	1489.6	1537.9	1593.8	1593.8	1537.9	1503.6
62.5°	1365.3	1413.5	1483.4	1486.5	1447.7	1415.0	1471.0	1537.9	1536.3	1491.2	1455.4
65°	1270.4	1315.5	1394.8	1402.6	1363.7	1329.5	1387.0	1449.2	1453.9	1413.5	1382.4
67.5°	1166.2	1206.6	1265.7	1296.8	1264.2	1228.4	1281.3	1340.4	1338.8	1290.6	1258.0
70°	1041.8	1079.1	1133.6	1160.0	1139.8	1105.6	1153.8	1184.9	1170.9	1147.6	1125.8
72.5°	919.0	954.7	1006.1	1006.1	984.3	951.6	965.6	1021.6	1038.7	1021.6	1007.6
75°	789.9	821.0	856.8	864.6	816.4	757.3	822.6	870.8	891.0	883.2	866.1
77.5°	657.7	681.1	733.9	719.9	629.8	598.7	651.5	723.1	737.0	732.4	709.1
80°	506.9	520.9	576.9	548.9	478.9	458.7	482.0	538.0	541.1	525.6	496.0
82.5°	340.5	359.2	396.5	342.1	340.5	321.9	303.2	309.4	337.4	334.3	314.1
85°	174.2	183.5	219.2	205.3	175.7	152.4	144.6	153.9	138.4	126.0	108.8
87.5°	73.1	79.3	108.8	60.6	18.7	0.0	0.0	9.3	14.0	20.2	21.8
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°	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6
2.5°	2318.4	2335.5	2377.5	2430.4	2481.7	2534.6	2592.1	2627.9	2671.4	2727.4	2729.0
5°	2156.7	2195.6	2256.2	2337.1	2421.1	2517.5	2629.4	2722.7	2834.7	2923.3	2959.1
7.5°	2057.2	2113.2	2189.4	2292.0	2402.4	2522.1	2668.3	2825.4	3008.8	3127.0	3197.0
10°	2066.5	2152.1	2228.3	2315.3	2414.8	2543.9	2732.1	2940.4	3165.9	3321.4	3408.5
12.5°	2232.9	2323.1	2309.1	2304.4	2371.3	2528.4	2783.4	3057.0	3332.3	3487.8	3592.0
15°	2442.8	2477.0	2344.9	2245.4	2285.8	2472.4	2811.4	3161.2	3470.7	3660.4	3763.0
17.5°	2550.1	2481.7	2321.6	2172.3	2161.4	2386.9	2825.4	3267.0	3626.2	3815.9	3924.7
20°	2500.4	2400.9	2265.6	2124.1	2046.3	2270.2	2817.6	3350.9	3767.7	3979.1	4067.8
22.5°	2393.1	2306.0	2200.3	2065.0	1953.0	2142.7	2797.4	3434.9	3893.6	4106.6	4184.4
25°	2276.5	2211.1	2124.1	2005.9	1900.2	2030.8	2783.4	3546.9	4038.2	4241.9	4291.7
27.5°	2159.8	2111.6	2040.1	1948.4	1887.7	1953.0	2788.0	3693.0	4224.8	4417.6	4397.4
30°	2044.8	2002.8	1953.0	1912.6	1886.2	1934.4	2775.6	3848.5	4430.1	4608.9	4489.2
32.5°	1935.9	1897.0	1865.9	1872.2	1887.7	1942.1	2711.8	3990.0	4618.2	4770.6	4588.7
35°	1842.6	1802.2	1802.2	1824.0	1881.5	1915.7	2547.0	4100.4	4826.6	4979.0	4730.2
37.5°	1755.5	1719.8	1743.1	1778.9	1833.3	1844.2	2335.5	4207.7	5129.8	5272.9	4949.4
40°	1679.4	1643.6	1685.6	1730.7	1758.7	1754.0	2121.0	4357.0	5487.4	5635.2	5240.2
42.5°	1618.7	1586.1	1623.4	1680.9	1685.6	1690.2	1963.9	4500.0	5902.6	6090.8	5740.9
45°	1569.0	1545.6	1564.3	1621.8	1621.8	1693.3	1865.9	4619.8	6527.7	6860.5	6659.9
47.5°	1530.1	1516.1	1525.4	1544.1	1575.2	1749.3	1803.8	4711.5	7665.9	8319.0	8116.9
50°	1508.3	1494.3	1506.8	1467.9	1561.2	1777.3	1783.5	4781.5	9166.5	10189.6	9939.3
52.5°	1489.6	1485.0	1492.8	1402.6	1592.3	1758.7	1768.0	4688.2	10172.5	12030.7	12277.9
55°	1483.4	1486.5	1449.2	1354.4	1629.6	1696.5	1721.3	4021.1	10446.2	13618.3	15153.1
57.5°	1486.5	1477.2	1382.4	1359.0	1631.2	1572.1	1788.2	2868.9	10048.1	14308.7	17966.0
60°	1475.7	1429.0	1301.5	1401.0	1559.6	1425.9	1740.0	1870.6	8998.5	13778.5	18129.2
62.5°	1427.5	1359.0	1231.5	1424.3	1432.1	1338.8	1579.8	1441.4	7599.1	12643.4	16555.6
65°	1357.5	1265.7	1172.4	1376.1	1303.1	1298.4	1188.0	1155.3	6111.0	11292.1	15062.9
67.5°	1242.4	1150.7	1128.9	1265.7	1172.4	1150.7	954.7	957.9	4876.3	9852.2	13562.3
70°	1111.8	1020.1	1037.2	1144.4	1043.4	956.3	772.8	797.7	3699.2	8208.6	11539.3
72.5°	1026.3	903.4	905.0	1007.6	917.4	774.4	636.0	657.7	2348.0	6187.2	9174.2
75°	866.1	796.1	761.9	816.4	779.0	603.3	534.9	530.2	1391.7	4434.7	6869.8
77.5°	723.1	668.6	651.5	673.3	581.6	446.3	430.7	422.9	788.4	2840.9	4501.6
80°	524.0	510.0	508.5	519.4	447.8	328.1	328.1	329.7	424.5	1542.5	2537.7
82.5°	332.8	363.9	321.9	357.6	304.8	233.2	217.7	247.2	244.1	657.7	1069.8
85°	138.4	189.7	177.3	188.1	144.6	127.5	136.8	147.7	141.5	253.5	416.7
87.5°	26.4	31.1	34.2	32.7	32.7	40.4	45.1	54.4	54.4	73.1	126.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6	2534.6
2.5°	2788.0	2833.1	2823.8	2844.0	2817.6	2826.9	2774.0	2760.0	2750.7	2753.8
5°	3074.2	3165.9	3183.0	3217.2	3193.9	3193.9	3100.6	3030.6	3005.7	2987.1
7.5°	3364.9	3497.1	3584.2	3593.5	3581.1	3556.2	3420.9	3295.0	3249.9	3211.0
10°	3623.1	3781.7	3879.6	3926.3	3902.9	3864.1	3696.1	3523.5	3469.1	3434.9
12.5°	3820.5	3960.5	4025.8	4056.9	4053.8	4039.8	3902.9	3716.3	3658.8	3605.9
15°	3948.0	4018.0	3993.1	3991.6	4013.3	4069.3	4027.3	3881.2	3814.3	3766.1
17.5°	4030.4	3963.6	3853.2	3801.9	3848.5	3980.7	4077.1	3994.7	3934.0	3881.2
20°	4060.0	3822.1	3661.9	3567.1	3621.5	3812.8	4050.7	4077.1	4025.8	3982.2
22.5°	4025.8	3649.5	3431.8	3319.8	3372.7	3601.3	3972.9	4144.0	4109.8	4067.8
25°	3941.8	3469.1	3207.9	3106.8	3164.3	3397.6	3834.5	4206.2	4207.7	4173.5
27.5°	3837.6	3302.7	3050.8	2956.0	3012.0	3229.6	3699.2	4260.6	4315.0	4302.6
30°	3731.9	3203.2	2976.2	2909.3	2951.3	3144.1	3560.9	4316.6	4425.4	4447.2
32.5°	3683.7	3251.4	3151.9	3181.4	3127.0	3193.9	3511.1	4395.9	4559.1	4594.9
35°	3747.4	3679.0	3930.9	4047.6	3854.7	3601.3	3574.8	4515.6	4747.3	4800.2
37.5°	4056.9	4594.9	4971.2	5381.7	5047.4	4489.2	3890.5	4719.3	5016.3	5100.3
40°	4730.2	5394.1	6073.7	6603.9	6098.5	5347.5	4490.7	5022.5	5386.4	5462.6
42.5°	5364.6	6143.6	7079.7	7765.5	7109.3	6048.8	5137.6	5532.5	5874.6	5916.6
45°	5986.6	6879.1	8297.3	9250.4	8359.5	6715.9	5798.4	6394.0	6652.1	6653.7
47.5°	6715.9	7707.9	9824.2	11181.7	10018.6	7454.5	6418.9	7757.7	8116.9	7941.2
50°	7588.2	8532.1	11396.3	13428.6	12041.6	8362.6	7207.2	9419.9	9909.7	9710.7
52.5°	8756.0	9440.1	13128.5	15619.5	14246.5	9396.6	8350.1	11615.5	11777.2	11405.6
55°	10399.6	10751.0	15352.1	18325.2	16708.0	10670.1	10021.7	14370.9	13918.4	12853.3
57.5°	14142.3	12825.3	18207.0	21411.8	19492.9	12983.9	13685.2	17409.3	15799.9	14003.9
60°	17274.0	15344.3	20848.9	24475.0	21879.8	15534.0	17124.7	17938.0	15729.9	13876.4
62.5°	16218.2	15986.5	21802.1	24812.5	22694.6	16788.9	16485.7	16605.4	14703.7	13029.0
65°	14229.4	14747.2	20951.5	23212.4	21791.2	15664.6	14912.0	15373.9	13529.7	11842.6
67.5°	13055.4	13436.4	19438.5	20651.4	20149.1	14448.7	13688.3	13354.0	11707.3	10273.6
70°	11855.0	12170.7	17314.4	17437.3	17588.1	12427.2	11192.6	10197.4	8726.4	7723.5
72.5°	10244.1	10261.2	14629.0	13916.9	14203.0	9724.7	9009.4	7624.0	6352.0	5442.4
75°	8594.2	8124.7	11579.8	9727.8	10301.6	7564.9	7480.9	5745.6	4790.8	4044.4
77.5°	6552.6	6003.7	8459.0	6397.1	7235.2	5038.1	5624.3	3896.7	3371.1	2691.6
80°	4399.0	4056.9	4674.2	3610.6	4733.3	3472.2	3668.1	2208.0	1914.2	1485.0
82.5°	2320.0	1981.0	2889.1	2141.2	2854.9	1907.9	1376.1	682.6	581.6	469.6
85°	898.8	1040.3	1416.6	761.9	1107.1	681.1	398.1	169.5	141.5	107.3
87.5°	174.2	269.0	147.7	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)