

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: P635787

Luminaire Tested: GWS-SA3E-740-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635787  
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-740-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

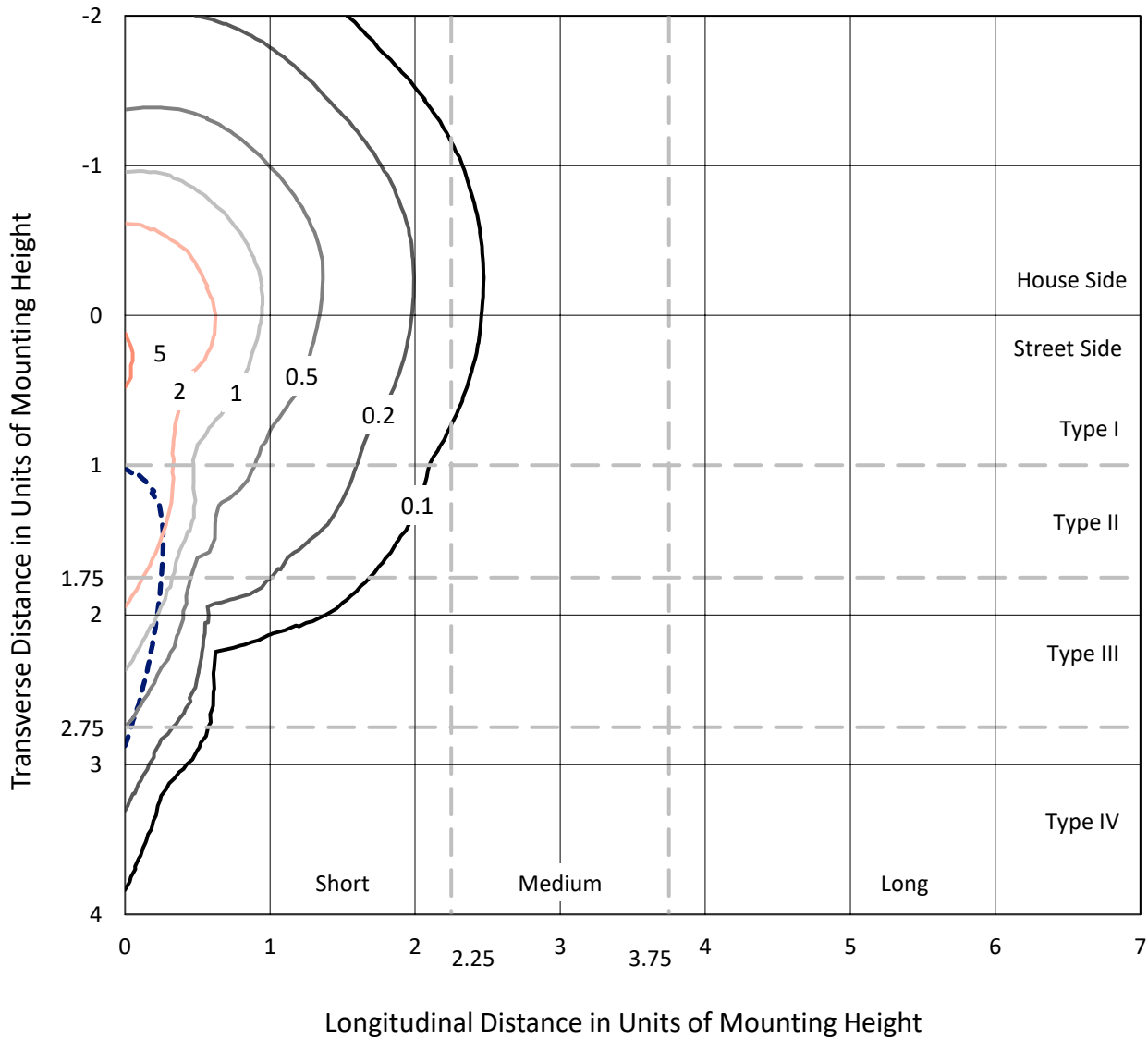
Lumens per Lamp: N/A  
Luminaire Lumens: 20611.3 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

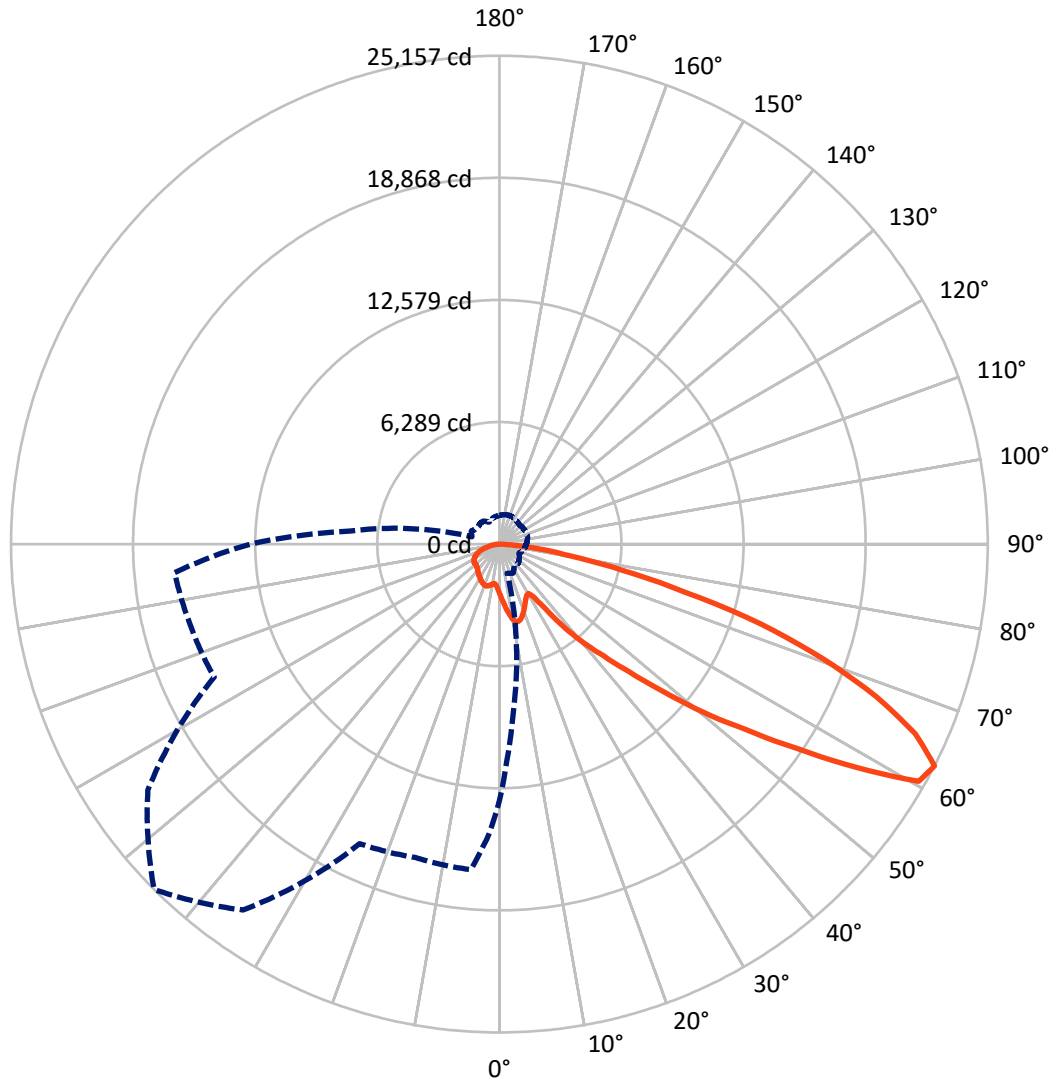
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	4928.2	0.0	4928.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	15683.1	0.0	15683.1
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	20611.3	0.0	20611.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.2	1.2
10°-20°	822.8	4.0
20°-30°	1295.2	6.3
30°-40°	1775.4	8.6
40°-50°	2770.1	13.4
50°-60°	4776.3	23.2
60°-70°	5535.1	26.9
70°-80°	2921.7	14.2
80°-90°	461.5	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°	20611.3	100.0
0°-180°	20611.3	100.0

**Coefficient of Utilization**



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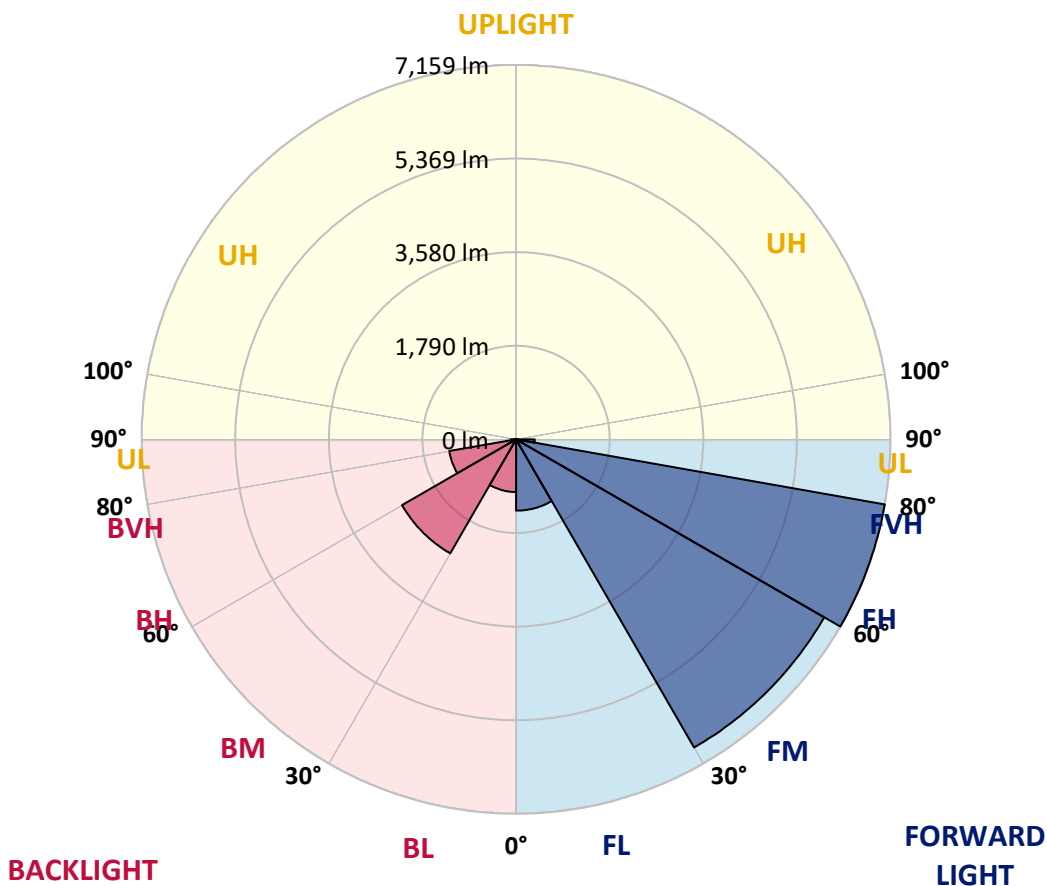
CATALOG NUMBER: GWS-SA3E-740-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.2	6.6			
FM (30°-60°)	6804.5	33.0			
FH (60°-80°)	7159.2	34.7			G3/7500
FVH (80°-90°)	356.2	1.7			G3/500
BL (0°-30°)	1008.0	4.9	B3/2500		
BM (30°-60°)	2517.3	12.2	B3/5000		
BH (60°-80°)	1297.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	105.3	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°	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8
2.5°	2792.1	2781.1	2765.3	2711.7	2678.6	2640.7	2601.3	2555.6	2503.6	2467.3	2431.1
5°	3028.6	3011.2	2973.4	2845.7	2757.4	2661.2	2580.8	2489.4	2399.5	2338.0	2276.6
7.5°	3255.6	3233.5	3175.2	2979.7	2836.2	2697.5	2576.1	2443.7	2309.7	2218.2	2145.7
10°	3482.6	3436.9	3362.8	3107.4	2918.2	2757.4	2618.7	2456.3	2278.1	2153.6	2076.3
12.5°	3656.1	3613.5	3533.1	3224.1	3000.2	2798.4	2642.3	2492.6	2341.2	2208.8	2129.9
15°	3818.4	3763.3	3671.8	3332.9	3068.0	2796.8	2595.0	2464.2	2442.1	2409.0	2306.5
17.5°	3935.1	3884.7	3790.1	3421.1	3105.8	2748.0	2464.2	2386.9	2486.2	2587.1	2489.4
20°	4037.6	3979.3	3883.1	3482.6	3113.7	2639.2	2304.9	2306.5	2462.6	2601.3	2577.7
22.5°	4124.3	4059.7	3974.5	3552.0	3110.6	2487.8	2166.2	2260.8	2416.9	2525.7	2528.8
25°	4231.5	4177.9	4107.0	3654.5	3110.6	2333.3	2065.3	2205.6	2339.6	2431.1	2427.9
27.5°	4362.4	4326.1	4267.8	3810.6	3138.9	2204.0	2008.5	2134.7	2240.3	2319.1	2317.6
30°	4509.0	4475.9	4431.7	3976.1	3187.8	2107.9	1977.0	2046.4	2123.6	2186.7	2186.7
32.5°	4658.8	4646.1	4598.8	4108.5	3150.0	2077.9	1950.2	1958.1	1999.1	2051.1	2046.4
35°	4866.9	4854.2	4794.3	4211.0	2986.0	2035.3	1907.6	1868.2	1873.0	1906.1	1917.1
37.5°	5171.1	5152.2	5063.9	4330.8	2738.5	1928.1	1838.3	1773.6	1759.4	1773.6	1794.1
40°	5538.5	5510.1	5390.3	4493.2	2453.1	1783.1	1729.5	1675.9	1652.2	1657.0	1680.6
42.5°	5998.8	5938.9	5767.1	4665.1	2170.9	1655.4	1608.1	1575.0	1548.2	1545.0	1590.8
45°	6746.1	6582.2	6309.4	4818.0	1932.9	1587.6	1499.3	1475.7	1453.6	1466.2	1519.8
47.5°	8051.5	7748.8	7217.5	4948.8	1787.8	1589.2	1412.6	1387.4	1385.8	1411.0	1470.9
50°	9845.7	9408.9	8589.1	5037.1	1712.2	1608.1	1360.6	1319.6	1349.5	1374.8	1431.5
52.5°	11564.1	10897.2	9921.3	5035.6	1679.0	1611.3	1374.8	1256.5	1349.5	1355.8	1409.4
55°	13031.9	11824.2	10280.8	4518.4	1631.7	1598.6	1429.9	1207.6	1332.2	1355.8	1398.4
57.5°	14198.6	12413.9	10254.0	3649.7	1775.2	1529.3	1463.1	1196.6	1281.7	1359.0	1407.9
60°	14069.3	12144.3	9593.4	2240.3	1761.0	1406.3	1458.3	1217.1	1196.6	1316.4	1396.8
62.5°	13210.0	11177.9	8456.7	1554.5	1653.8	1335.4	1381.1	1253.4	1117.8	1254.9	1343.2
65°	12007.1	9930.8	7047.2	1191.9	1370.0	1338.5	1250.2	1228.1	1048.4	1157.2	1251.8
67.5°	10416.4	8384.2	5563.7	944.4	955.4	1158.8	1135.1	1091.0	983.8	1070.5	1155.6
70°	7830.8	6118.7	3827.9	759.9	723.6	968.0	1020.0	980.6	920.7	945.9	1035.8
72.5°	5518.0	3995.0	2096.8	602.2	558.1	744.1	886.0	879.7	813.5	832.4	920.7
75°	4100.6	2826.8	1310.1	476.1	454.1	532.9	742.6	761.5	706.3	728.4	796.2
77.5°	2729.0	1830.4	728.4	353.2	353.2	389.4	553.4	641.7	600.7	618.0	665.3
80°	1505.6	931.8	364.2	231.8	238.1	268.0	403.6	461.9	463.5	506.1	518.7
82.5°	476.1	296.4	162.4	135.6	127.7	152.9	260.1	331.1	309.0	394.1	362.6
85°	108.8	69.4	30.0	30.0	33.1	50.5	99.3	176.6	225.4	271.2	197.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	69.4	102.5	91.4
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°	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8
2.5°	2409.0	2377.5	2368.0	2341.2	2338.0	2312.8	2303.4	2303.4	2314.4	2314.4	2325.4
5°	2251.3	2211.9	2189.8	2158.3	2150.4	2131.5	2118.9	2120.5	2134.7	2144.1	2163.0
7.5°	2112.6	2085.8	2070.0	2055.8	2052.7	2049.5	2035.3	2033.8	2038.5	2052.7	2066.9
10°	2054.3	2035.3	2040.1	2051.1	2068.5	2077.9	2065.3	2059.0	2054.3	2063.7	2076.3
12.5°	2111.0	2092.1	2101.6	2120.5	2144.1	2153.6	2148.9	2147.3	2152.0	2188.3	2215.1
15°	2235.6	2199.3	2186.7	2194.6	2213.5	2223.0	2218.2	2224.5	2254.5	2349.1	2416.9
17.5°	2390.1	2301.8	2251.3	2237.1	2245.0	2252.9	2252.9	2268.7	2320.7	2459.4	2544.6
20°	2473.6	2358.5	2273.4	2238.7	2241.9	2249.8	2249.8	2271.8	2330.2	2478.4	2533.5
22.5°	2451.6	2345.9	2241.9	2204.0	2205.6	2211.9	2211.9	2230.8	2282.9	2413.7	2438.9
25°	2364.8	2271.8	2169.4	2136.2	2139.4	2150.4	2147.3	2158.3	2197.7	2304.9	2319.1
27.5°	2260.8	2178.8	2077.9	2052.7	2066.9	2088.9	2070.0	2071.6	2107.9	2197.7	2199.3
30°	2148.9	2081.1	1991.2	1972.3	1999.1	2010.1	1992.8	1992.8	2029.0	2090.5	2088.9
32.5°	2027.5	1984.9	1920.3	1899.8	1929.7	1947.1	1925.0	1928.1	1956.5	1997.5	1981.7
35°	1914.0	1891.9	1861.9	1847.7	1866.7	1882.4	1868.2	1874.5	1901.3	1912.4	1890.3
37.5°	1805.2	1802.0	1805.2	1805.2	1809.9	1814.6	1805.2	1820.9	1844.6	1830.4	1805.2
40°	1710.6	1723.2	1753.1	1745.3	1740.5	1745.3	1739.0	1765.8	1789.4	1764.2	1734.2
42.5°	1631.7	1655.4	1701.1	1701.1	1691.7	1694.8	1691.7	1724.8	1742.1	1707.4	1674.3
45°	1564.0	1598.6	1657.0	1664.9	1649.1	1649.1	1655.4	1696.4	1702.7	1655.4	1620.7
47.5°	1516.7	1559.2	1625.4	1639.6	1616.0	1614.4	1631.7	1675.9	1675.9	1620.7	1581.3
50°	1483.5	1530.8	1609.7	1628.6	1604.9	1598.6	1627.0	1669.6	1660.1	1593.9	1554.5
52.5°	1461.5	1510.4	1608.1	1634.9	1619.1	1612.8	1641.2	1671.2	1647.5	1576.6	1535.6
55°	1447.3	1500.9	1612.8	1634.9	1617.6	1606.5	1634.9	1661.7	1649.1	1567.1	1527.7
57.5°	1455.2	1508.8	1606.5	1617.6	1597.1	1578.1	1611.3	1649.1	1644.4	1570.3	1530.8
60°	1442.6	1491.4	1571.8	1575.0	1540.3	1510.4	1559.2	1616.0	1616.0	1559.2	1524.5
62.5°	1384.2	1433.1	1504.0	1507.2	1467.8	1434.7	1491.4	1559.2	1557.6	1511.9	1475.7
65°	1288.1	1333.8	1414.2	1422.1	1382.6	1348.0	1406.3	1469.4	1474.1	1433.1	1401.6
67.5°	1182.4	1223.4	1283.3	1314.9	1281.7	1245.5	1299.1	1359.0	1357.4	1308.5	1275.4
70°	1056.3	1094.1	1149.3	1176.1	1155.6	1120.9	1169.8	1201.3	1187.2	1163.5	1141.4
72.5°	931.8	968.0	1020.0	1020.0	998.0	964.9	979.0	1035.8	1053.1	1035.8	1021.6
75°	800.9	832.4	868.7	876.6	827.7	767.8	834.0	882.9	903.4	895.5	878.1
77.5°	666.9	690.5	744.1	729.9	638.5	607.0	660.6	733.1	747.3	742.6	718.9
80°	514.0	528.1	584.9	556.5	485.6	465.1	488.7	545.5	548.6	532.9	502.9
82.5°	345.3	364.2	402.0	346.8	345.3	326.3	307.4	313.7	342.1	339.0	318.5
85°	176.6	186.0	222.3	208.1	178.2	154.5	146.6	156.1	140.3	127.7	110.4
87.5°	74.1	80.4	110.4	61.5	18.9	0.0	0.0	9.5	14.2	20.5	22.1
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°	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8
2.5°	2350.7	2368.0	2410.6	2464.2	2516.2	2569.8	2628.1	2664.4	2708.5	2765.3	2766.9
5°	2186.7	2226.1	2287.6	2369.6	2454.7	2552.5	2666.0	2760.6	2874.1	2963.9	3000.2
7.5°	2085.8	2142.6	2219.8	2323.9	2435.8	2557.2	2705.4	2864.6	3050.7	3170.5	3241.4
10°	2095.3	2182.0	2259.2	2347.5	2448.4	2579.3	2770.0	2981.3	3209.9	3367.5	3455.8
12.5°	2263.9	2355.4	2341.2	2336.5	2404.3	2563.5	2822.1	3099.5	3378.6	3536.2	3641.9
15°	2476.8	2511.5	2377.5	2276.6	2317.6	2506.7	2850.4	3205.2	3518.9	3711.2	3815.3
17.5°	2585.6	2516.2	2353.8	2202.5	2191.4	2420.0	2864.6	3312.4	3676.6	3868.9	3979.3
20°	2535.1	2434.2	2297.1	2153.6	2074.8	2301.8	2856.7	3397.5	3820.0	4034.4	4124.3
22.5°	2426.3	2338.0	2230.8	2093.7	1980.2	2172.5	2836.2	3482.6	3947.7	4163.7	4242.5
25°	2308.1	2241.9	2153.6	2033.8	1926.6	2059.0	2822.1	3596.1	4094.3	4300.9	4351.3
27.5°	2189.8	2141.0	2068.5	1975.4	1914.0	1980.2	2826.8	3744.3	4283.5	4479.0	4458.5
30°	2073.2	2030.6	1980.2	1939.2	1912.4	1961.2	2814.2	3902.0	4491.6	4672.9	4551.5
32.5°	1962.8	1923.4	1891.9	1898.2	1914.0	1969.1	2749.5	4045.5	4682.4	4836.9	4652.4
35°	1868.2	1827.2	1827.2	1849.3	1907.6	1942.3	2582.4	4157.4	4893.7	5048.2	4795.9
37.5°	1779.9	1743.7	1767.3	1803.6	1858.8	1869.8	2368.0	4266.2	5201.1	5346.1	5018.2
40°	1702.7	1666.4	1709.0	1754.7	1783.1	1778.4	2150.4	4417.5	5563.7	5713.5	5313.0
42.5°	1641.2	1608.1	1645.9	1704.3	1709.0	1713.7	1991.2	4562.6	5984.6	6175.4	5820.7
45°	1590.8	1567.1	1586.0	1644.4	1644.4	1716.9	1891.9	4684.0	6618.4	6955.8	6752.4
47.5°	1551.3	1537.2	1546.6	1565.5	1597.1	1773.6	1828.8	4777.0	7772.5	8434.6	8229.7
50°	1529.3	1515.1	1527.7	1488.3	1582.9	1802.0	1808.3	4847.9	9293.9	10331.2	10077.4
52.5°	1510.4	1505.6	1513.5	1422.1	1614.4	1783.1	1792.6	4753.3	10313.9	12197.9	12448.6
55°	1504.0	1507.2	1469.4	1373.2	1652.2	1720.0	1745.3	4077.0	10591.4	13807.6	15363.6
57.5°	1507.2	1497.7	1401.6	1377.9	1653.8	1593.9	1813.1	2908.8	10187.8	14507.6	18215.6
60°	1496.2	1448.9	1319.6	1420.5	1581.3	1445.7	1764.2	1896.6	9123.6	13969.9	18381.2
62.5°	1447.3	1377.9	1248.6	1444.1	1452.0	1357.4	1601.8	1461.5	7704.7	12819.1	16785.7
65°	1376.3	1283.3	1188.7	1395.3	1321.2	1316.4	1204.5	1171.4	6195.9	11449.0	15272.2
67.5°	1259.7	1166.7	1144.6	1283.3	1188.7	1166.7	968.0	971.2	4944.1	9989.1	13750.8
70°	1127.2	1034.2	1051.6	1160.4	1057.9	969.6	783.6	808.8	3750.7	8322.7	11699.7
72.5°	1040.5	916.0	917.6	1021.6	930.2	785.1	644.8	666.9	2380.6	6273.2	9301.7
75°	878.1	807.2	772.5	827.7	789.9	611.7	542.3	537.6	1411.0	4496.4	6965.3
77.5°	733.1	677.9	660.6	682.7	589.6	452.5	436.7	428.8	799.3	2880.4	4564.2
80°	531.3	517.1	515.5	526.6	454.1	332.7	332.7	334.2	430.4	1564.0	2573.0
82.5°	337.4	368.9	326.3	362.6	309.0	236.5	220.7	250.7	247.5	666.9	1084.7
85°	140.3	192.3	179.7	190.8	146.6	129.3	138.7	149.8	143.5	257.0	422.5
87.5°	26.8	31.5	34.7	33.1	33.1	41.0	45.7	55.2	55.2	74.1	127.7
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8	2569.8
2.5°	2826.8	2872.5	2863.0	2883.5	2856.7	2866.2	2812.6	2798.4	2788.9	2792.1
5°	3116.9	3209.9	3227.2	3261.9	3238.3	3238.3	3143.7	3072.7	3047.5	3028.6
7.5°	3411.7	3545.7	3634.0	3643.4	3630.8	3605.6	3468.4	3340.7	3295.0	3255.6
10°	3673.4	3834.2	3933.5	3980.8	3957.2	3917.8	3747.5	3572.5	3517.3	3482.6
12.5°	3873.6	4015.5	4081.7	4113.3	4110.1	4095.9	3957.2	3768.0	3709.7	3656.1
15°	4002.9	4073.8	4048.6	4047.0	4069.1	4125.9	4083.3	3935.1	3867.3	3818.4
17.5°	4086.5	4018.7	3906.7	3854.7	3902.0	4036.0	4133.8	4050.2	3988.7	3935.1
20°	4116.4	3875.2	3712.8	3616.6	3671.8	3865.7	4107.0	4133.8	4081.7	4037.6
22.5°	4081.7	3700.2	3479.5	3366.0	3419.6	3651.3	4028.1	4201.5	4166.9	4124.3
25°	3996.6	3517.3	3252.5	3150.0	3208.3	3444.8	3887.8	4264.6	4266.2	4231.5
27.5°	3891.0	3348.6	3093.2	2997.1	3053.8	3274.5	3750.7	4319.8	4375.0	4362.4
30°	3783.8	3247.7	3017.5	2949.8	2992.3	3187.8	3610.3	4376.5	4486.9	4509.0
32.5°	3734.9	3296.6	3195.7	3225.7	3170.5	3238.3	3559.9	4457.0	4622.5	4658.8
35°	3799.5	3730.2	3985.6	4103.8	3908.3	3651.3	3624.5	4578.3	4813.3	4866.9
37.5°	4113.3	4658.8	5040.3	5456.5	5117.5	4551.5	3944.6	4784.9	5086.0	5171.1
40°	4795.9	5469.1	6158.1	6695.7	6183.3	5421.8	4553.1	5092.3	5461.2	5538.5
42.5°	5439.2	6229.0	7178.1	7873.4	7208.1	6132.8	5209.0	5609.4	5956.3	5998.8
45°	6069.8	6974.7	8412.6	9379.0	8475.6	6809.2	5879.0	6482.8	6744.5	6746.1
47.5°	6809.2	7815.0	9960.7	11337.1	10157.8	7558.1	6508.1	7865.5	8229.7	8051.5
50°	7693.6	8650.6	11554.7	13615.2	12208.9	8478.8	7307.4	9550.8	10047.5	9845.7
52.5°	8877.6	9571.3	13310.9	15836.6	14444.5	9527.2	8466.2	11776.9	11940.9	11564.1
55°	10544.1	10900.4	15565.4	18579.8	16940.2	10818.4	10161.0	14570.6	14111.8	13031.9
57.5°	14338.9	13003.5	18460.0	21709.3	19763.8	13164.3	13875.4	17651.2	16019.5	14198.6
60°	17514.1	15557.6	21138.6	24815.1	22183.9	15749.9	17362.7	18187.3	15948.5	14069.3
62.5°	16443.6	16208.7	22105.0	25157.3	23010.0	17022.2	16714.8	16836.1	14908.0	13210.0
65°	14427.2	14952.2	21242.6	23535.0	22094.0	15882.3	15119.3	15587.5	13717.7	12007.1
67.5°	13236.8	13623.1	19708.6	20938.4	20429.1	14649.4	13878.5	13539.5	11870.0	10416.4
70°	12019.7	12339.8	17555.1	17679.6	17832.5	12599.9	11348.1	10339.1	8847.7	7830.8
72.5°	10386.4	10403.8	14832.3	14110.3	14400.4	9859.8	9134.6	7729.9	6440.3	5518.0
75°	8713.7	8237.6	11740.7	9863.0	10444.7	7670.0	7584.9	5825.4	4857.4	4100.6
77.5°	6643.6	6087.1	8576.5	6486.0	7335.8	5108.1	5702.4	3950.9	3418.0	2729.0
80°	4460.1	4113.3	4739.2	3660.8	4799.1	3520.5	3719.1	2238.7	1940.8	1505.6
82.5°	2352.2	2008.5	2929.3	2170.9	2894.6	1934.4	1395.3	692.1	589.6	476.1
85°	911.3	1054.7	1436.3	772.5	1122.5	690.5	403.6	171.8	143.5	108.8
87.5°	176.6	272.7	149.8	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)