

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: P636062

Luminaire Tested: GWS-SA3F-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636062
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-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16879.8 lumens
Efficiency: N/A
Efficacy: 92.1 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

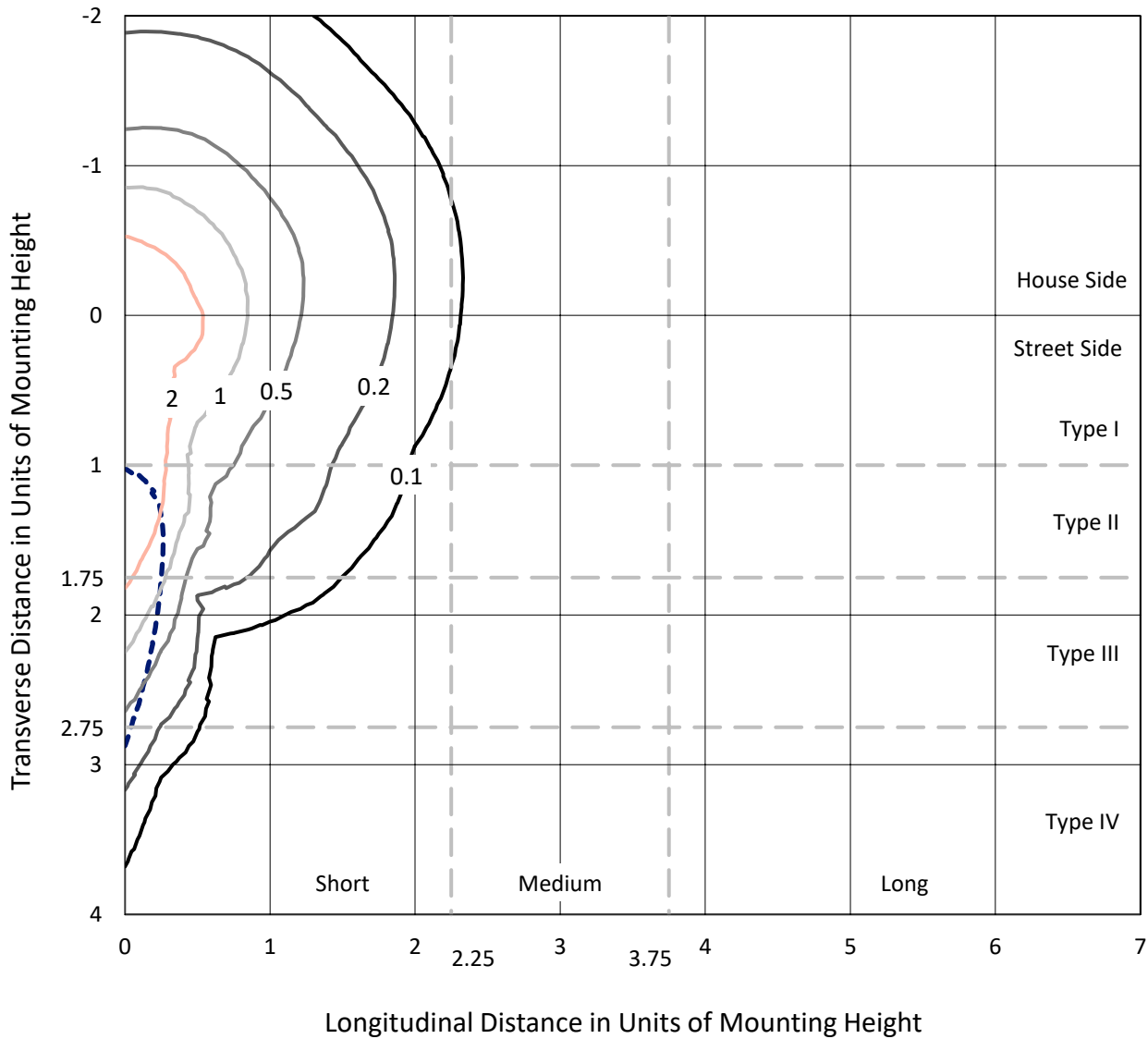
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

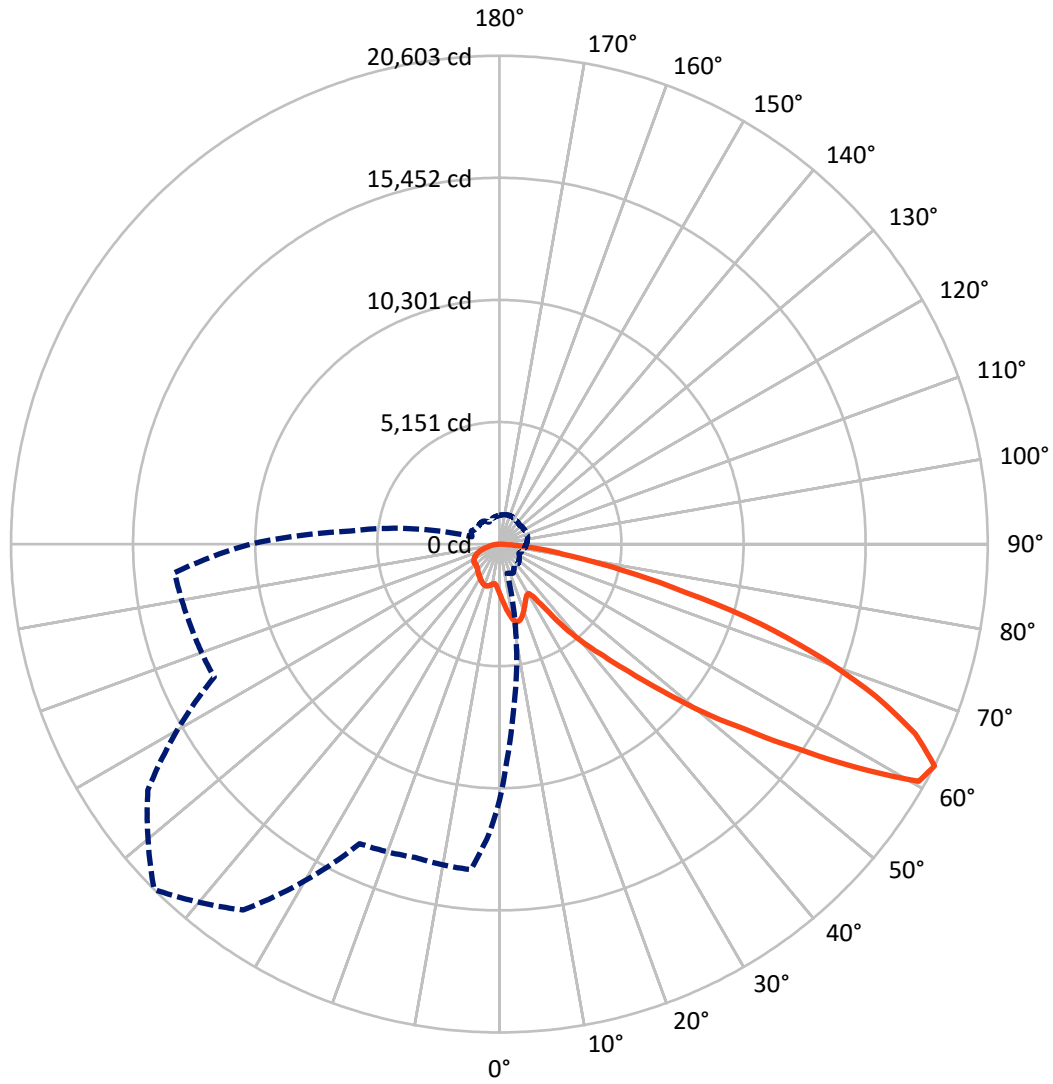
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	4036.0	0.0	4036.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	12843.8	0.0	12843.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	16879.8	0.0	16879.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	1.2
10°-20°	673.8	4.0
20°-30°	1060.7	6.3
30°-40°	1454.0	8.6
40°-50°	2268.6	13.4
50°-60°	3911.6	23.2
60°-70°	4533.0	26.9
70°-80°	2392.7	14.2
80°-90°	378.0	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°	16879.8	100.0
0°-180°	16879.8	100.0

Coefficient of Utilization



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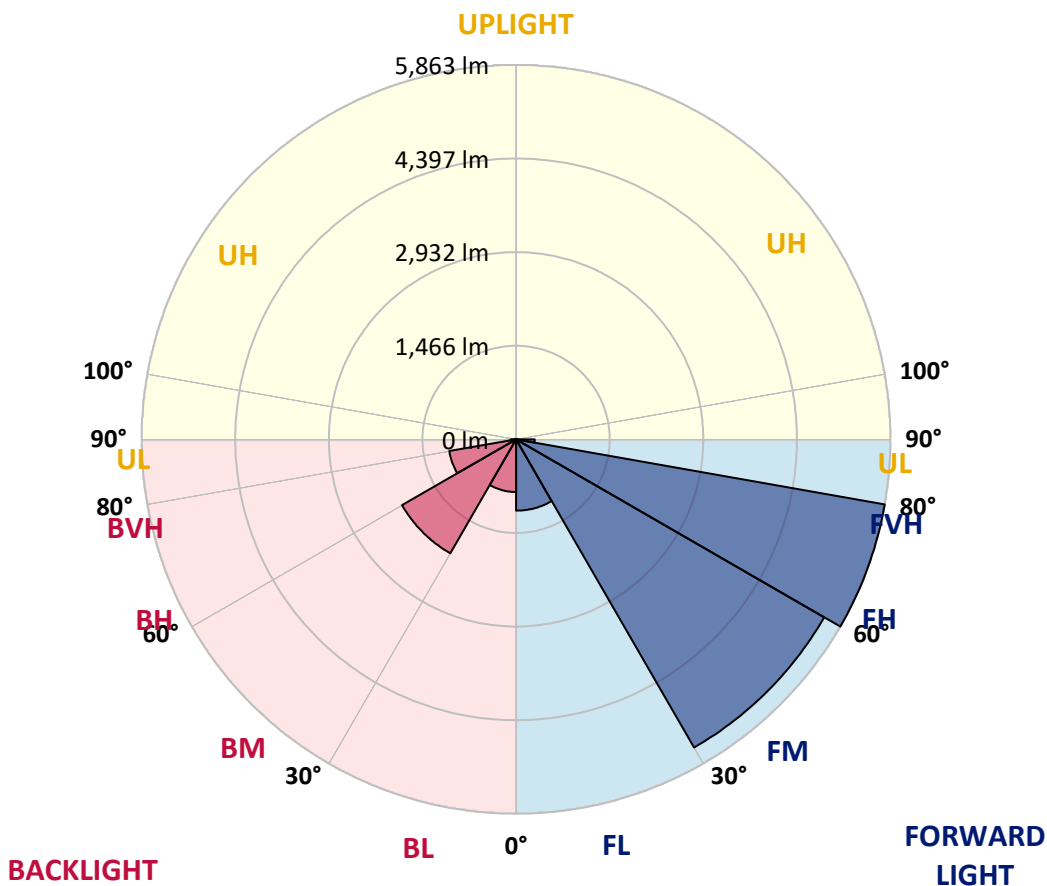
CATALOG NUMBER: GWS-SA3F-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.4	6.6			
FM (30°-60°)	5572.6	33.0			
FH (60°-80°)	5863.1	34.7			G3/7500
FVH (80°-90°)	291.7	1.7			G3/500
BL (0°-30°)	825.5	4.9	B2/1000		
BM (30°-60°)	2061.6	12.2	B2/2500		
BH (60°-80°)	1062.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	86.2	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6
2.5°	2286.6	2277.6	2264.7	2220.8	2193.7	2162.7	2130.4	2092.9	2050.3	2020.6	1990.9
5°	2480.3	2466.1	2435.1	2330.5	2258.2	2179.4	2113.6	2038.7	1965.1	1914.8	1864.4
7.5°	2666.2	2648.1	2600.4	2440.3	2322.8	2209.1	2109.7	2001.3	1891.5	1816.6	1757.2
10°	2852.1	2814.7	2754.0	2544.8	2389.9	2258.2	2144.6	2011.6	1865.7	1763.7	1700.4
12.5°	2994.2	2959.3	2893.4	2640.4	2457.0	2291.8	2164.0	2041.3	1917.3	1808.9	1744.3
15°	3127.1	3082.0	3007.1	2729.5	2512.6	2290.5	2125.2	2018.1	2000.0	1972.9	1888.9
17.5°	3222.7	3181.4	3103.9	2801.8	2543.5	2250.5	2018.1	1954.8	2036.1	2118.8	2038.7
20°	3306.6	3258.8	3180.1	2852.1	2550.0	2161.4	1887.6	1888.9	2016.8	2130.4	2111.0
22.5°	3377.6	3324.7	3255.0	2908.9	2547.4	2037.4	1774.0	1851.5	1979.3	2068.4	2071.0
25°	3465.4	3421.5	3363.4	2992.9	2547.4	1910.9	1691.4	1806.3	1916.1	1990.9	1988.4
27.5°	3572.6	3542.9	3495.1	3120.7	2570.7	1805.0	1644.9	1748.2	1834.7	1899.3	1898.0
30°	3692.7	3665.6	3629.4	3256.3	2610.7	1726.3	1619.1	1675.9	1739.2	1790.8	1790.8
32.5°	3815.3	3805.0	3766.3	3364.7	2579.7	1701.7	1597.1	1603.6	1637.2	1679.8	1675.9
35°	3985.8	3975.4	3926.4	3448.6	2445.4	1666.9	1562.3	1530.0	1533.9	1561.0	1570.0
37.5°	4234.9	4219.5	4147.1	3546.8	2242.7	1579.1	1505.5	1452.5	1440.9	1452.5	1469.3
40°	4535.8	4512.5	4414.4	3679.8	2009.0	1460.3	1416.4	1372.5	1353.1	1357.0	1376.4
42.5°	4912.8	4863.7	4723.0	3820.5	1777.9	1355.7	1317.0	1289.9	1267.9	1265.3	1302.8
45°	5524.8	5390.5	5167.2	3945.7	1582.9	1300.2	1227.9	1208.5	1190.4	1200.8	1244.7
47.5°	6593.9	6346.0	5910.8	4052.9	1464.2	1301.5	1156.9	1136.2	1134.9	1155.6	1204.6
50°	8063.2	7705.5	7034.1	4125.2	1402.2	1317.0	1114.3	1080.7	1105.2	1125.9	1172.4
52.5°	9470.5	8924.4	8125.2	4123.9	1375.1	1319.5	1125.9	1029.0	1105.2	1110.4	1154.3
55°	10672.6	9683.6	8419.5	3700.4	1336.3	1309.2	1171.1	989.0	1091.0	1110.4	1145.2
57.5°	11628.0	10166.5	8397.6	2989.0	1453.8	1252.4	1198.2	980.0	1049.7	1113.0	1153.0
60°	11522.2	9945.7	7856.6	1834.7	1442.2	1151.7	1194.3	996.8	980.0	1078.1	1144.0
62.5°	10818.5	9154.2	6925.7	1273.1	1354.4	1093.6	1131.0	1026.5	915.4	1027.7	1100.1
65°	9833.3	8132.9	5771.4	976.1	1122.0	1096.2	1023.9	1005.8	858.6	947.7	1025.2
67.5°	8530.6	6866.3	4556.4	773.4	782.4	949.0	929.6	893.5	805.7	876.7	946.4
70°	6413.1	5010.9	3134.9	622.3	592.6	792.8	835.4	803.1	754.0	774.7	848.3
72.5°	4519.0	3271.8	1717.2	493.2	457.1	609.4	725.6	720.5	666.2	681.7	754.0
75°	3358.3	2315.0	1072.9	389.9	371.8	436.4	608.1	623.6	578.4	596.5	652.0
77.5°	2235.0	1499.0	596.5	289.2	289.2	318.9	453.2	525.5	491.9	506.1	544.9
80°	1233.0	763.1	298.3	189.8	195.0	219.5	330.5	378.3	379.6	414.5	424.8
82.5°	389.9	242.7	133.0	111.0	104.6	125.2	213.0	271.1	253.1	322.8	297.0
85°	89.1	56.8	24.5	24.5	27.1	41.3	81.3	144.6	184.6	222.1	161.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	56.8	83.9	74.9
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°	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6
2.5°	1972.9	1947.0	1939.3	1917.3	1914.8	1894.1	1886.4	1886.4	1895.4	1895.4	1904.4
5°	1843.8	1811.5	1793.4	1767.6	1761.1	1745.6	1735.3	1736.6	1748.2	1756.0	1771.4
7.5°	1730.1	1708.2	1695.3	1683.6	1681.1	1678.5	1666.9	1665.6	1669.4	1681.1	1692.7
10°	1682.4	1666.9	1670.7	1679.8	1694.0	1701.7	1691.4	1686.2	1682.4	1690.1	1700.4
12.5°	1728.8	1713.3	1721.1	1736.6	1756.0	1763.7	1759.8	1758.5	1762.4	1792.1	1814.1
15°	1830.8	1801.1	1790.8	1797.3	1812.8	1820.5	1816.6	1821.8	1846.3	1923.8	1979.3
17.5°	1957.4	1885.1	1843.8	1832.1	1838.6	1845.0	1845.0	1858.0	1900.6	2014.2	2083.9
20°	2025.8	1931.5	1861.8	1833.4	1836.0	1842.5	1842.5	1860.5	1908.3	2029.7	2074.9
22.5°	2007.7	1921.2	1836.0	1805.0	1806.3	1811.5	1811.5	1827.0	1869.6	1976.7	1997.4
25°	1936.7	1860.5	1776.6	1749.5	1752.1	1761.1	1758.5	1767.6	1799.9	1887.6	1899.3
27.5°	1851.5	1784.4	1701.7	1681.1	1692.7	1710.8	1695.3	1696.6	1726.3	1799.9	1801.1
30°	1759.8	1704.3	1630.7	1615.2	1637.2	1646.2	1632.0	1632.0	1661.7	1712.1	1710.8
32.5°	1660.4	1625.5	1572.6	1555.8	1580.4	1594.6	1576.5	1579.1	1602.3	1635.9	1623.0
35°	1567.4	1549.4	1524.8	1513.2	1528.7	1541.6	1530.0	1535.2	1557.1	1566.2	1548.1
37.5°	1478.4	1475.8	1478.4	1478.4	1482.2	1486.1	1478.4	1491.3	1510.6	1499.0	1478.4
40°	1400.9	1411.2	1435.7	1429.3	1425.4	1429.3	1424.1	1446.1	1465.4	1444.8	1420.3
42.5°	1336.3	1355.7	1393.1	1393.1	1385.4	1388.0	1385.4	1412.5	1426.7	1398.3	1371.2
45°	1280.8	1309.2	1357.0	1363.4	1350.5	1350.5	1355.7	1389.3	1394.4	1355.7	1327.3
47.5°	1242.1	1276.9	1331.2	1342.8	1323.4	1322.1	1336.3	1372.5	1372.5	1327.3	1295.0
50°	1215.0	1253.7	1318.3	1333.7	1314.4	1309.2	1332.5	1367.3	1359.6	1305.3	1273.1
52.5°	1196.9	1236.9	1317.0	1338.9	1326.0	1320.8	1344.1	1368.6	1349.2	1291.1	1257.6
55°	1185.3	1229.2	1320.8	1338.9	1324.7	1315.7	1338.9	1360.9	1350.5	1283.4	1251.1
57.5°	1191.7	1235.6	1315.7	1324.7	1307.9	1292.4	1319.5	1350.5	1346.7	1286.0	1253.7
60°	1181.4	1221.4	1287.3	1289.9	1261.4	1236.9	1276.9	1323.4	1323.4	1276.9	1248.5
62.5°	1133.6	1173.6	1231.7	1234.3	1202.1	1174.9	1221.4	1276.9	1275.6	1238.2	1208.5
65°	1054.9	1092.3	1158.2	1164.6	1132.3	1103.9	1151.7	1203.3	1207.2	1173.6	1147.8
67.5°	968.4	1001.9	1051.0	1076.8	1049.7	1020.0	1063.9	1113.0	1111.7	1071.6	1044.5
70°	865.1	896.1	941.2	963.2	946.4	918.0	958.0	983.9	972.2	952.9	934.8
72.5°	763.1	792.8	835.4	835.4	817.3	790.2	801.8	848.3	862.5	848.3	836.7
75°	655.9	681.7	711.4	717.9	677.8	628.8	683.0	723.0	739.8	733.4	719.2
77.5°	546.2	565.5	609.4	597.8	522.9	497.1	541.0	600.4	612.0	608.1	588.8
80°	420.9	432.5	479.0	455.8	397.7	380.9	400.3	446.7	449.3	436.4	411.9
82.5°	282.8	298.3	329.2	284.1	282.8	267.3	251.8	256.9	280.2	277.6	260.8
85°	144.6	152.4	182.1	170.4	145.9	126.5	120.1	127.8	114.9	104.6	90.4
87.5°	60.7	65.8	90.4	50.4	15.5	0.0	0.0	7.7	11.6	16.8	18.1
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°	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6
2.5°	1925.1	1939.3	1974.2	2018.1	2060.7	2104.6	2152.3	2182.0	2218.2	2264.7	2266.0
5°	1790.8	1823.1	1873.4	1940.6	2010.3	2090.4	2183.3	2260.8	2353.8	2427.3	2457.0
7.5°	1708.2	1754.7	1817.9	1903.1	1994.8	2094.2	2215.6	2346.0	2498.4	2596.5	2654.6
10°	1715.9	1786.9	1850.2	1922.5	2005.1	2112.3	2268.5	2441.5	2628.8	2757.9	2830.2
12.5°	1854.1	1929.0	1917.3	1913.5	1969.0	2099.4	2311.1	2538.4	2766.9	2896.0	2982.5
15°	2028.4	2056.8	1947.0	1864.4	1898.0	2052.9	2334.4	2624.9	2881.8	3039.3	3124.6
17.5°	2117.5	2060.7	1927.7	1803.7	1794.7	1981.9	2346.0	2712.7	3010.9	3168.5	3258.8
20°	2076.2	1993.5	1881.2	1763.7	1699.1	1885.1	2339.5	2782.4	3128.4	3304.0	3377.6
22.5°	1987.1	1914.8	1827.0	1714.6	1621.7	1779.2	2322.8	2852.1	3233.0	3409.9	3474.5
25°	1890.2	1836.0	1763.7	1665.6	1577.8	1686.2	2311.1	2945.1	3353.1	3522.2	3563.6
27.5°	1793.4	1753.4	1694.0	1617.8	1567.4	1621.7	2315.0	3066.5	3508.0	3668.1	3651.3
30°	1697.9	1663.0	1621.7	1588.1	1566.2	1606.2	2304.7	3195.6	3678.5	3826.9	3727.5
32.5°	1607.5	1575.2	1549.4	1554.5	1567.4	1612.6	2251.8	3313.1	3834.7	3961.2	3810.2
35°	1530.0	1496.4	1496.4	1514.5	1562.3	1590.7	2114.9	3404.7	4007.7	4134.2	3927.7
37.5°	1457.7	1428.0	1447.4	1477.1	1522.3	1531.3	1939.3	3493.8	4259.5	4378.3	4109.7
40°	1394.4	1364.7	1399.6	1437.0	1460.3	1456.4	1761.1	3617.8	4556.4	4679.1	4351.1
42.5°	1344.1	1317.0	1348.0	1395.7	1399.6	1403.5	1630.7	3736.6	4901.2	5057.4	4766.9
45°	1302.8	1283.4	1298.9	1346.7	1346.7	1406.1	1549.4	3836.0	5420.2	5696.5	5530.0
47.5°	1270.5	1258.9	1266.6	1282.1	1307.9	1452.5	1497.7	3912.2	6365.3	6907.6	6739.8
50°	1252.4	1240.8	1251.1	1218.8	1296.3	1475.8	1480.9	3970.3	7611.3	8460.9	8253.0
52.5°	1236.9	1233.0	1239.5	1164.6	1322.1	1460.3	1468.0	3892.8	8446.7	9989.6	10194.9
55°	1231.7	1234.3	1203.3	1124.6	1353.1	1408.6	1429.3	3338.9	8673.9	11307.8	12582.2
57.5°	1234.3	1226.6	1147.8	1128.5	1354.4	1305.3	1484.8	2382.2	8343.4	11881.1	14917.9
60°	1225.3	1186.6	1080.7	1163.3	1295.0	1184.0	1444.8	1553.2	7471.8	11440.8	15053.4
62.5°	1185.3	1128.5	1022.6	1182.7	1189.1	1111.7	1311.8	1196.9	6309.8	10498.3	13746.8
65°	1127.2	1051.0	973.5	1142.7	1082.0	1078.1	986.4	959.3	5074.2	9376.3	12507.3
67.5°	1031.6	955.4	937.4	1051.0	973.5	955.4	792.8	795.3	4049.0	8180.7	11261.3
70°	923.2	847.0	861.2	950.3	866.4	794.1	641.7	662.4	3071.6	6815.9	9581.6
72.5°	852.2	750.2	751.4	836.7	761.8	643.0	528.1	546.2	1949.6	5137.5	7617.7
75°	719.2	661.1	632.7	677.8	646.9	501.0	444.2	440.3	1155.6	3682.3	5704.3
77.5°	600.4	555.2	541.0	559.1	482.9	370.6	357.6	351.2	654.6	2358.9	3737.9
80°	435.1	423.5	422.2	431.2	371.8	272.4	272.4	273.7	352.5	1280.8	2107.1
82.5°	276.3	302.1	267.3	297.0	253.1	193.7	180.8	205.3	202.7	546.2	888.3
85°	114.9	157.5	147.2	156.2	120.1	105.9	113.6	122.7	117.5	210.5	346.0
87.5°	21.9	25.8	28.4	27.1	27.1	33.6	37.4	45.2	45.2	60.7	104.6
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°	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6	2104.6
2.5°	2315.0	2352.5	2344.7	2361.5	2339.5	2347.3	2303.4	2291.8	2284.0	2286.6
5°	2552.6	2628.8	2643.0	2671.4	2652.0	2652.0	2574.5	2516.4	2495.8	2480.3
7.5°	2794.0	2903.8	2976.1	2983.8	2973.5	2952.8	2840.5	2735.9	2698.5	2666.2
10°	3008.4	3140.1	3221.4	3260.1	3240.8	3208.5	3069.0	2925.7	2880.5	2852.1
12.5°	3172.3	3288.5	3342.8	3368.6	3366.0	3354.4	3240.8	3085.8	3038.1	2994.2
15°	3278.2	3336.3	3315.7	3314.4	3332.4	3378.9	3344.1	3222.7	3167.2	3127.1
17.5°	3346.6	3291.1	3199.4	3156.8	3195.6	3305.3	3385.4	3316.9	3266.6	3222.7
20°	3371.2	3173.6	3040.6	2961.9	3007.1	3165.9	3363.4	3385.4	3342.8	3306.6
22.5°	3342.8	3030.3	2849.6	2756.6	2800.5	2990.3	3298.9	3440.9	3412.5	3377.6
25°	3273.0	2880.5	2663.6	2579.7	2627.5	2821.1	3184.0	3492.5	3493.8	3465.4
27.5°	3186.5	2742.4	2533.2	2454.5	2500.9	2681.7	3071.6	3537.7	3582.9	3572.6
30°	3098.7	2659.8	2471.2	2415.7	2450.6	2610.7	2956.7	3584.2	3674.6	3692.7
32.5°	3058.7	2699.8	2617.1	2641.7	2596.5	2652.0	2915.4	3650.1	3785.6	3815.3
35°	3111.7	3054.8	3264.0	3360.8	3200.7	2990.3	2968.3	3749.5	3941.9	3985.8
37.5°	3368.6	3815.3	4127.8	4468.6	4191.0	3727.5	3230.4	3918.6	4165.2	4234.9
40°	3927.7	4479.0	5043.2	5483.5	5063.9	4440.2	3728.8	4170.4	4472.5	4535.8
42.5°	4454.4	5101.3	5878.6	6448.0	5903.1	5022.5	4265.9	4593.9	4877.9	4912.8
45°	4970.9	5712.0	6889.5	7681.0	6941.2	5576.4	4814.7	5309.2	5523.5	5524.8
47.5°	5576.4	6400.2	8157.4	9284.6	8318.8	6189.7	5329.8	6441.5	6739.8	6593.9
50°	6300.8	7084.5	9462.8	11150.3	9998.6	6943.8	5984.4	7821.7	8228.4	8063.2
52.5°	7270.4	7838.5	10901.1	12969.5	11829.4	7802.4	6933.4	9644.8	9779.1	9470.5
55°	8635.2	8927.0	12747.4	15216.1	13873.3	8859.8	8321.4	11932.7	11557.0	10672.6
57.5°	11742.9	10649.3	15118.0	17779.0	16185.8	10781.0	11363.3	14455.6	13119.3	11628.0
60°	14343.3	12741.0	17311.6	20322.6	18167.7	12898.5	14219.3	14894.6	13061.2	11522.2
62.5°	13466.6	13274.2	18103.1	20602.8	18844.2	13940.5	13688.7	13788.1	12209.0	10818.5
65°	11815.2	12245.2	17396.8	19274.2	18094.1	13007.0	12382.1	12765.5	11234.2	9833.3
67.5°	10840.4	11156.8	16140.6	17147.7	16730.6	11997.3	11365.9	11088.3	9721.0	8530.6
70°	9843.7	10105.8	14376.9	14478.9	14604.1	10318.8	9293.6	8467.3	7245.9	6413.1
72.5°	8506.0	8520.2	12147.1	11555.7	11793.3	8074.8	7480.9	6330.5	5274.3	4519.0
75°	7136.1	6746.2	9615.1	8077.4	8553.8	6281.4	6211.7	4770.8	3978.0	3358.3
77.5°	5440.9	4985.1	7023.8	5311.8	6007.7	4183.3	4670.1	3235.6	2799.2	2235.0
80°	3652.6	3368.6	3881.2	2998.0	3930.2	2883.1	3045.8	1833.4	1589.4	1233.0
82.5°	1926.4	1644.9	2398.9	1777.9	2370.5	1584.2	1142.7	566.8	482.9	389.9
85°	746.3	863.8	1176.2	632.7	919.3	565.5	330.5	140.7	117.5	89.1
87.5°	144.6	223.4	122.7	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)