

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: P641837

Luminaire Tested: GWS-SA6B-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641837
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-SA6B-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20020.3 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

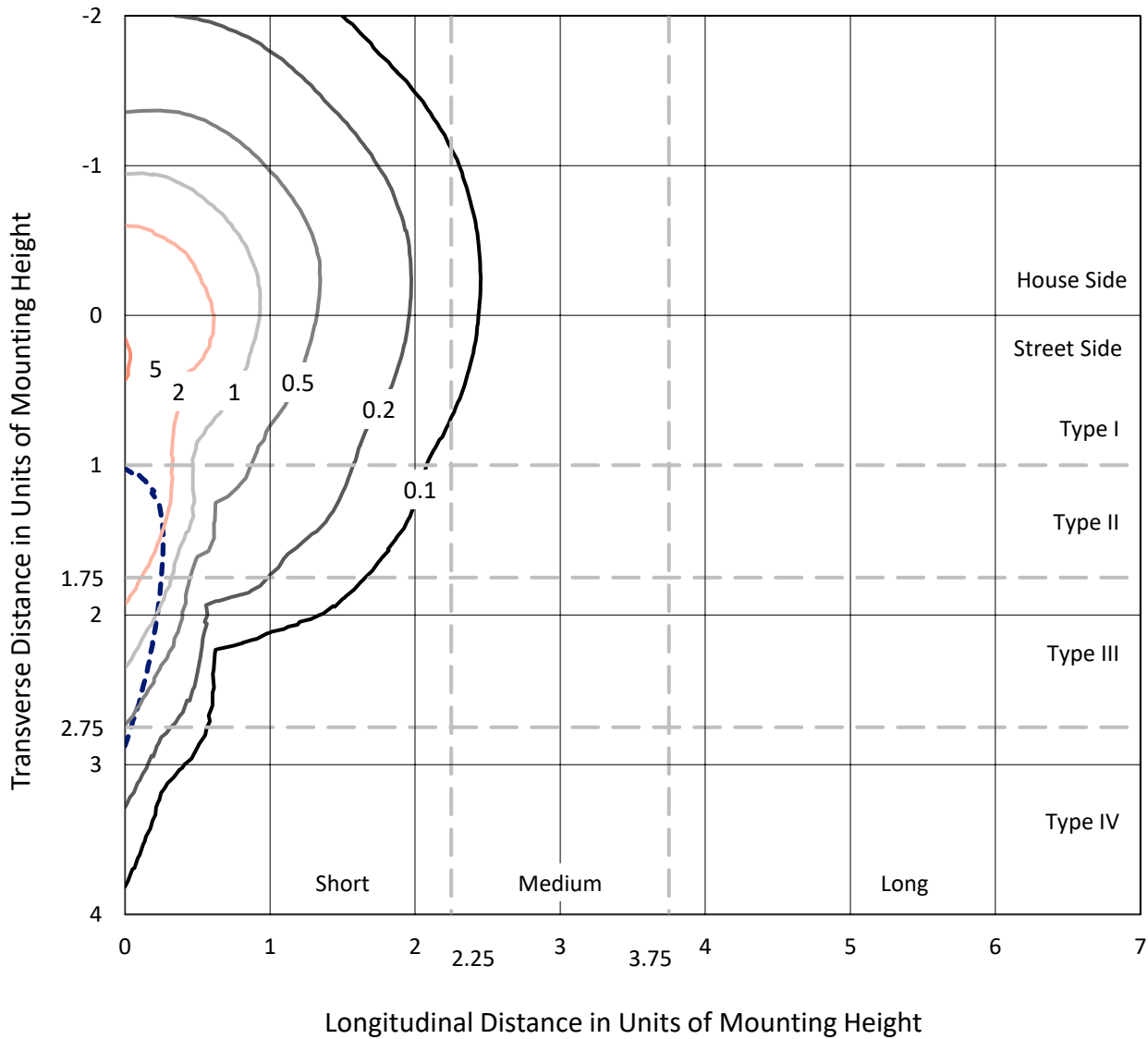
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

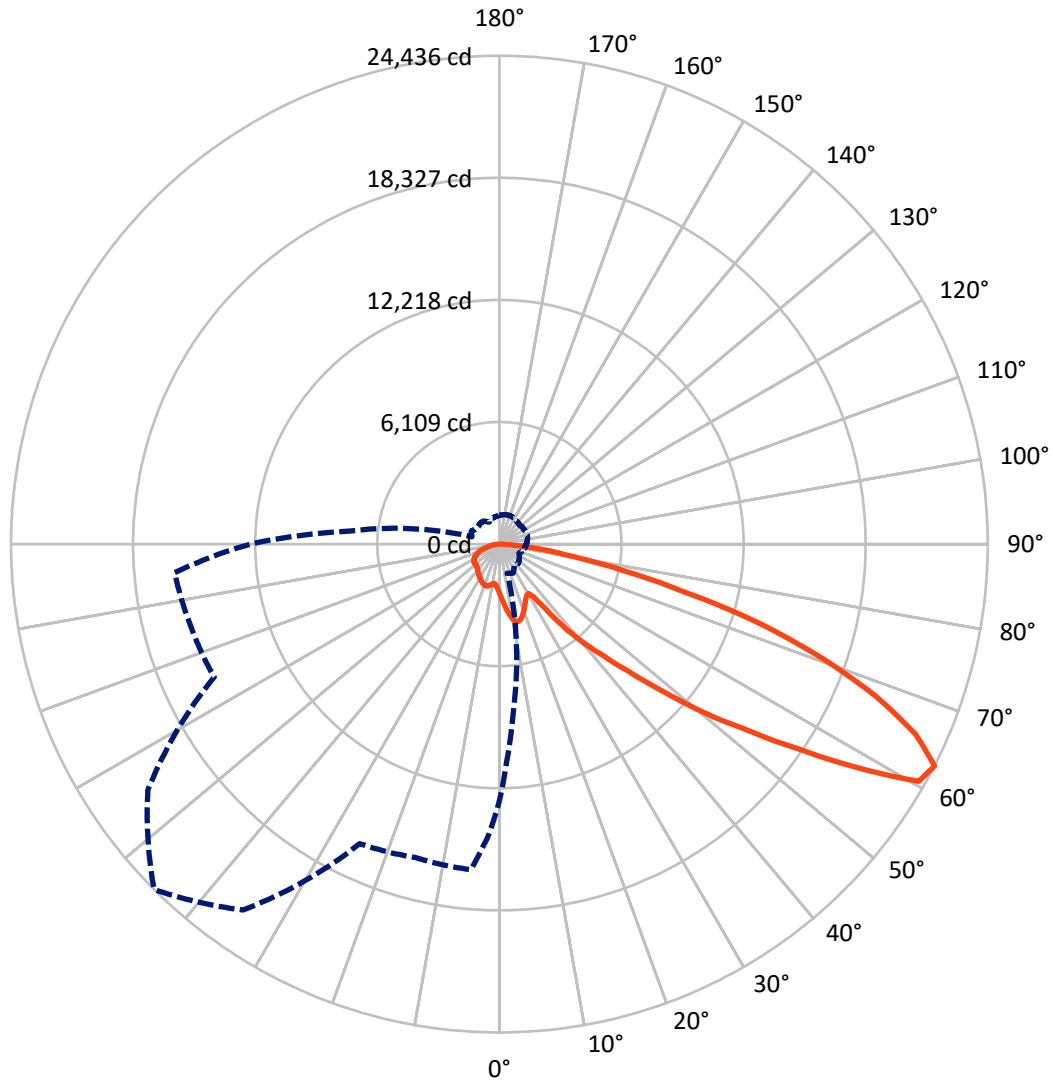
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	4786.9	0.0	4786.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15233.4	0.0	15233.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	20020.3	0.0	20020.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	1.2
10°-20°	799.2	4.0
20°-30°	1258.1	6.3
30°-40°	1724.5	8.6
40°-50°	2690.7	13.4
50°-60°	4639.3	23.2
60°-70°	5376.4	26.9
70°-80°	2837.9	14.2
80°-90°	448.3	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°	20020.3	100.0
0°-180°	20020.3	100.0

Coefficient of Utilization



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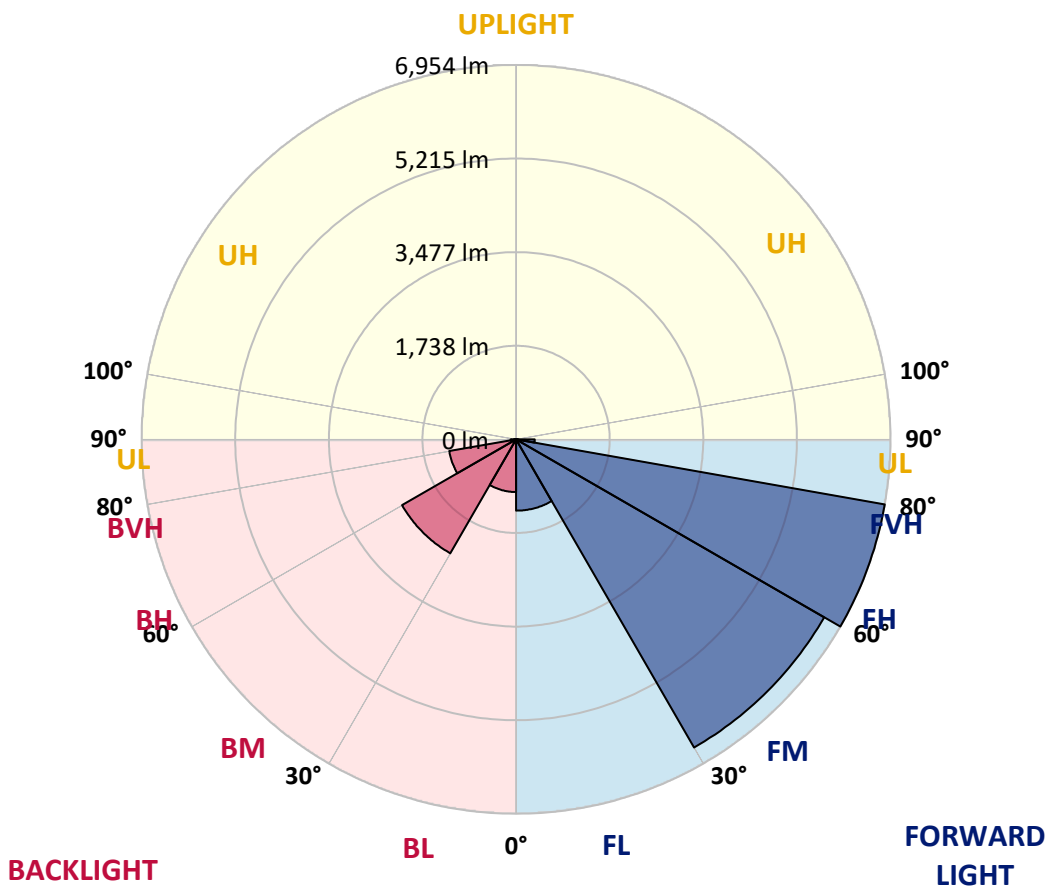
CATALOG NUMBER: GWS-SA6B-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1324.1	6.6			
FM (30°-60°)	6609.4	33.0			
FH (60°-80°)	6953.9	34.7			G3/7500
FVH (80°-90°)	346.0	1.7			G3/500
BL (0°-30°)	979.1	4.9	B2/1000		
BM (30°-60°)	2445.1	12.2	B2/2500		
BH (60°-80°)	1260.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	102.3	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°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1
2.5°	2712.0	2701.3	2686.0	2633.9	2601.8	2565.0	2526.7	2482.3	2431.8	2396.6	2361.4
5°	2941.7	2924.9	2888.1	2764.1	2678.3	2584.9	2506.8	2418.0	2330.7	2271.0	2211.3
7.5°	3162.3	3140.8	3084.2	2894.3	2754.9	2620.2	2502.2	2373.6	2243.4	2154.6	2084.2
10°	3382.8	3338.4	3266.4	3018.3	2834.5	2678.3	2543.6	2385.9	2212.8	2091.8	2016.8
12.5°	3551.2	3509.9	3431.8	3131.6	2914.2	2718.2	2566.6	2421.1	2274.1	2145.4	2068.9
15°	3709.0	3655.4	3566.5	3237.3	2980.0	2716.6	2520.6	2393.5	2372.1	2339.9	2240.4
17.5°	3822.3	3773.3	3681.4	3323.1	3016.8	2669.2	2393.5	2318.5	2415.0	2513.0	2418.0
20°	3921.8	3865.2	3771.7	3382.8	3024.4	2563.5	2238.8	2240.4	2392.0	2526.7	2503.8
22.5°	4006.0	3943.3	3860.6	3450.2	3021.4	2416.5	2104.1	2196.0	2347.6	2453.2	2456.3
25°	4110.2	4058.1	3989.2	3549.7	3021.4	2266.4	2006.1	2142.4	2272.5	2361.4	2358.3
27.5°	4237.3	4202.1	4145.4	3701.3	3048.9	2140.8	1951.0	2073.5	2176.1	2252.6	2251.1
30°	4379.7	4347.5	4304.7	3862.1	3096.4	2047.4	1920.3	1987.7	2062.7	2124.0	2124.0
32.5°	4525.2	4512.9	4467.0	3990.7	3059.7	2018.3	1894.3	1901.9	1941.8	1992.3	1987.7
35°	4727.3	4715.1	4656.9	4090.3	2900.4	1977.0	1852.9	1814.7	1819.3	1851.4	1862.1
37.5°	5022.9	5004.5	4918.7	4206.6	2660.0	1872.9	1785.6	1722.8	1709.0	1722.8	1742.7
40°	5379.7	5352.1	5235.7	4364.4	2382.8	1732.0	1679.9	1627.8	1604.9	1609.5	1632.4
42.5°	5826.8	5768.6	5601.7	4531.3	2108.7	1607.9	1562.0	1529.8	1503.8	1500.7	1545.1
45°	6552.7	6393.4	6128.5	4679.8	1877.4	1542.1	1456.3	1433.4	1411.9	1424.2	1476.2
47.5°	7820.7	7526.6	7010.6	4806.9	1736.6	1543.6	1372.1	1347.6	1346.1	1370.6	1428.8
50°	9563.3	9139.2	8342.8	4892.7	1663.1	1562.0	1321.6	1281.7	1310.8	1335.3	1390.5
52.5°	11232.5	10584.8	9636.8	4891.2	1630.9	1565.0	1335.3	1220.5	1310.8	1317.0	1369.0
55°	12658.2	11485.2	9986.0	4388.9	1585.0	1552.8	1388.9	1173.0	1294.0	1317.0	1358.3
57.5°	13791.4	12057.9	9960.0	3545.1	1724.3	1485.4	1421.1	1162.3	1245.0	1320.0	1367.5
60°	13665.9	11796.1	9318.3	2176.1	1710.5	1366.0	1416.5	1182.2	1162.3	1278.7	1356.8
62.5°	12831.3	10857.3	8214.2	1509.9	1606.4	1297.1	1341.5	1217.4	1085.7	1219.0	1304.7
65°	11662.8	9646.0	6845.2	1157.7	1330.8	1300.1	1214.4	1192.9	1018.4	1124.0	1215.9
67.5°	10117.7	8143.8	5404.2	917.3	928.0	1125.5	1102.6	1059.7	955.6	1039.8	1122.5
70°	7606.3	5943.2	3718.1	738.1	702.9	940.3	990.8	952.5	894.3	918.8	1006.1
72.5°	5359.8	3880.5	2036.7	585.0	542.1	722.8	860.6	854.5	790.2	808.6	894.3
75°	3983.1	2745.7	1272.6	462.5	441.0	517.6	721.3	739.6	686.0	707.5	773.3
77.5°	2650.8	1777.9	707.5	343.0	343.0	378.2	537.5	623.3	583.4	600.3	646.2
80°	1462.4	905.0	353.7	225.1	231.2	260.3	392.0	448.7	450.2	491.6	503.8
82.5°	462.5	287.9	157.7	131.7	124.0	148.5	252.7	321.6	300.1	382.8	352.2
85°	105.7	67.4	29.1	29.1	32.2	49.0	96.5	171.5	219.0	263.4	191.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	67.4	99.5	88.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1
2.5°	2339.9	2309.3	2300.1	2274.1	2271.0	2246.5	2237.3	2237.3	2248.0	2248.0	2258.8
5°	2186.8	2148.5	2127.1	2096.4	2088.8	2070.4	2058.1	2059.7	2073.5	2082.6	2101.0
7.5°	2052.0	2026.0	2010.7	1996.9	1993.8	1990.8	1977.0	1975.5	1980.0	1993.8	2007.6
10°	1995.4	1977.0	1981.6	1992.3	2009.1	2018.3	2006.1	2000.0	1995.4	2004.6	2016.8
12.5°	2050.5	2032.1	2041.3	2059.7	2082.6	2091.8	2087.2	2085.7	2090.3	2125.5	2151.6
15°	2171.5	2136.2	2124.0	2131.7	2150.0	2159.2	2154.6	2160.7	2189.8	2281.7	2347.6
17.5°	2321.5	2235.8	2186.8	2173.0	2180.7	2188.3	2188.3	2203.6	2254.2	2388.9	2471.6
20°	2402.7	2290.9	2208.2	2174.5	2177.6	2185.3	2185.3	2206.7	2263.4	2407.3	2460.9
22.5°	2381.3	2278.7	2177.6	2140.8	2142.4	2148.5	2148.5	2166.9	2217.4	2344.5	2369.0
25°	2297.0	2206.7	2107.2	2075.0	2078.1	2088.8	2085.7	2096.4	2134.7	2238.8	2252.6
27.5°	2196.0	2116.3	2018.3	1993.8	2007.6	2029.1	2010.7	2012.2	2047.4	2134.7	2136.2
30°	2087.2	2021.4	1934.1	1915.7	1941.8	1952.5	1935.6	1935.6	1970.9	2030.6	2029.1
32.5°	1969.3	1928.0	1865.2	1845.3	1874.4	1891.2	1869.8	1872.9	1900.4	1940.2	1924.9
35°	1859.1	1837.6	1808.5	1794.8	1813.1	1828.4	1814.7	1820.8	1846.8	1857.5	1836.1
37.5°	1753.4	1750.3	1753.4	1753.4	1758.0	1762.6	1753.4	1768.7	1791.7	1777.9	1753.4
40°	1661.5	1673.8	1702.9	1695.2	1690.6	1695.2	1689.1	1715.1	1738.1	1713.6	1684.5
42.5°	1585.0	1607.9	1652.3	1652.3	1643.1	1646.2	1643.1	1675.3	1692.2	1658.5	1626.3
45°	1519.1	1552.8	1609.5	1617.1	1601.8	1601.8	1607.9	1647.7	1653.9	1607.9	1574.2
47.5°	1473.2	1514.5	1578.8	1592.6	1569.6	1568.1	1585.0	1627.8	1627.8	1574.2	1536.0
50°	1441.0	1487.0	1563.5	1581.9	1558.9	1552.8	1580.4	1621.7	1612.5	1548.2	1509.9
52.5°	1419.6	1467.0	1562.0	1588.0	1572.7	1566.6	1594.1	1623.2	1600.3	1531.4	1491.5
55°	1405.8	1457.9	1566.6	1588.0	1571.2	1560.5	1588.0	1614.1	1601.8	1522.2	1483.9
57.5°	1413.4	1465.5	1560.5	1571.2	1551.3	1532.9	1565.0	1601.8	1597.2	1525.2	1487.0
60°	1401.2	1448.7	1526.8	1529.8	1496.1	1467.0	1514.5	1569.6	1569.6	1514.5	1480.8
62.5°	1344.5	1392.0	1460.9	1464.0	1425.7	1393.5	1448.7	1514.5	1513.0	1468.6	1433.4
65°	1251.1	1295.5	1373.6	1381.3	1343.0	1309.3	1366.0	1427.2	1431.8	1392.0	1361.4
67.5°	1148.5	1188.3	1246.5	1277.2	1245.0	1209.8	1261.8	1320.0	1318.5	1271.0	1238.9
70°	1026.0	1062.8	1116.4	1142.4	1122.5	1088.8	1136.3	1166.9	1153.1	1130.1	1108.7
72.5°	905.0	940.3	990.8	990.8	969.4	937.2	951.0	1006.1	1022.9	1006.1	992.3
75°	777.9	808.6	843.8	851.4	804.0	745.8	810.1	857.6	877.5	869.8	853.0
77.5°	647.8	670.7	722.8	709.0	620.2	589.6	641.6	712.1	725.9	721.3	698.3
80°	499.2	513.0	568.1	540.6	471.7	451.8	474.7	529.9	532.9	517.6	488.5
82.5°	335.4	353.7	390.5	336.9	335.4	317.0	298.6	304.7	332.3	329.2	309.3
85°	171.5	180.7	215.9	202.1	173.0	150.1	142.4	151.6	136.3	124.0	107.2
87.5°	72.0	78.1	107.2	59.7	18.4	0.0	0.0	9.2	13.8	19.9	21.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1
2.5°	2283.3	2300.1	2341.4	2393.5	2444.1	2496.1	2552.8	2588.0	2630.9	2686.0	2687.5
5°	2124.0	2162.3	2222.0	2301.6	2384.3	2479.3	2589.5	2681.4	2791.7	2879.0	2914.2
7.5°	2026.0	2081.1	2156.2	2257.2	2366.0	2483.9	2627.8	2782.5	2963.2	3079.6	3148.5
10°	2035.2	2119.4	2194.4	2280.2	2378.2	2505.3	2690.6	2895.8	3117.8	3271.0	3356.7
12.5°	2199.0	2287.9	2274.1	2269.5	2335.3	2490.0	2741.1	3010.7	3281.7	3434.8	3537.4
15°	2405.8	2439.5	2309.3	2211.3	2251.1	2434.9	2768.7	3113.3	3418.0	3604.8	3705.9
17.5°	2511.4	2444.1	2286.3	2139.3	2128.6	2350.6	2782.5	3217.4	3571.1	3758.0	3865.2
20°	2462.4	2364.4	2231.2	2091.8	2015.3	2235.8	2774.8	3300.1	3710.5	3918.8	4006.0
22.5°	2356.8	2271.0	2166.9	2033.6	1923.4	2110.2	2754.9	3382.8	3834.5	4044.3	4120.9
25°	2241.9	2177.6	2091.8	1975.5	1871.3	2000.0	2741.1	3493.0	3976.9	4177.6	4226.6
27.5°	2127.1	2079.6	2009.1	1918.8	1859.1	1923.4	2745.7	3637.0	4160.7	4350.6	4330.7
30°	2013.7	1972.4	1923.4	1883.6	1857.5	1905.0	2733.5	3790.1	4362.8	4539.0	4421.0
32.5°	1906.5	1868.3	1837.6	1843.8	1859.1	1912.7	2670.7	3929.5	4548.1	4698.2	4519.0
35°	1814.7	1774.8	1774.8	1796.3	1852.9	1886.6	2508.4	4038.2	4753.3	4903.4	4658.4
37.5°	1728.9	1693.7	1716.7	1751.9	1805.5	1816.2	2300.1	4143.9	5052.0	5192.8	4874.3
40°	1653.9	1618.6	1660.0	1704.4	1732.0	1727.4	2088.8	4290.9	5404.2	5549.6	5160.7
42.5°	1594.1	1562.0	1598.7	1655.4	1660.0	1664.6	1934.1	4431.8	5813.0	5998.3	5653.8
45°	1545.1	1522.2	1540.5	1597.2	1597.2	1667.7	1837.6	4549.7	6428.6	6756.4	6558.8
47.5°	1506.9	1493.1	1502.3	1520.6	1551.3	1722.8	1776.4	4640.0	7549.6	8192.8	7993.7
50°	1485.4	1471.6	1483.9	1445.6	1537.5	1750.3	1756.5	4708.9	9027.4	10035.0	9788.5
52.5°	1467.0	1462.4	1470.1	1381.3	1568.1	1732.0	1741.2	4617.1	10018.2	11848.1	12091.6
55°	1460.9	1464.0	1427.2	1333.8	1604.9	1670.7	1695.2	3960.1	10287.7	13411.7	14923.1
57.5°	1464.0	1454.8	1361.4	1338.4	1606.4	1548.2	1761.1	2825.4	9895.6	14091.6	17693.3
60°	1453.3	1407.3	1281.7	1379.8	1536.0	1404.3	1713.6	1842.2	8862.0	13569.4	17854.1
62.5°	1405.8	1338.4	1212.8	1402.7	1410.4	1318.5	1555.9	1419.6	7483.8	12451.5	16304.4
65°	1336.9	1246.5	1154.6	1355.3	1283.3	1278.7	1170.0	1137.8	6018.2	11120.7	14834.3
67.5°	1223.6	1133.2	1111.8	1246.5	1154.6	1133.2	940.3	943.3	4802.3	9702.7	13356.5
70°	1094.9	1004.6	1021.4	1127.1	1027.5	941.8	761.1	785.6	3643.1	8084.0	11364.2
72.5°	1010.7	889.7	891.3	992.3	903.5	762.6	626.3	647.8	2312.4	6093.3	9035.0
75°	853.0	784.1	750.4	804.0	767.2	594.2	526.8	522.2	1370.6	4367.4	6765.5
77.5°	712.1	658.5	641.6	663.1	572.7	439.5	424.2	416.5	776.4	2797.8	4433.3
80°	516.1	502.3	500.8	511.5	441.0	323.1	323.1	324.6	418.1	1519.1	2499.2
82.5°	327.7	358.3	317.0	352.2	300.1	229.7	214.4	243.5	240.4	647.8	1053.6
85°	136.3	186.8	174.6	185.3	142.4	125.6	134.8	145.5	139.4	249.6	410.4
87.5°	26.0	30.6	33.7	32.2	32.2	39.8	44.4	53.6	53.6	72.0	124.0
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°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1
2.5°	2745.7	2790.1	2780.9	2800.9	2774.8	2784.0	2731.9	2718.2	2709.0	2712.0
5°	3027.5	3117.8	3134.7	3168.4	3145.4	3145.4	3053.5	2984.6	2960.1	2941.7
7.5°	3313.9	3444.0	3529.8	3539.0	3526.7	3502.2	3369.0	3245.0	3200.5	3162.3
10°	3568.1	3724.3	3820.7	3866.7	3843.7	3805.4	3640.0	3470.1	3416.5	3382.8
12.5°	3762.6	3900.4	3964.7	3995.3	3992.3	3978.5	3843.7	3660.0	3603.3	3551.2
15°	3888.1	3957.0	3932.5	3931.0	3952.4	4007.6	3966.2	3822.3	3756.4	3709.0
17.5°	3969.3	3903.4	3794.7	3744.2	3790.1	3920.3	4015.2	3934.1	3874.3	3822.3
20°	3998.4	3764.1	3606.4	3512.9	3566.5	3754.9	3989.2	4015.2	3964.7	3921.8
22.5°	3964.7	3594.1	3379.7	3269.5	3321.5	3546.6	3912.6	4081.1	4047.4	4006.0
25°	3882.0	3416.5	3159.2	3059.7	3116.3	3346.0	3776.3	4142.3	4143.9	4110.2
27.5°	3779.4	3252.6	3004.5	2911.1	2966.2	3180.6	3643.1	4195.9	4249.5	4237.3
30°	3675.3	3154.6	2931.0	2865.2	2906.5	3096.4	3506.8	4251.1	4358.3	4379.7
32.5°	3627.8	3202.1	3104.1	3133.2	3079.6	3145.4	3457.8	4329.2	4489.9	4525.2
35°	3690.6	3623.2	3871.3	3986.1	3796.2	3546.6	3520.6	4447.1	4675.2	4727.3
37.5°	3995.3	4525.2	4895.8	5300.0	4970.8	4421.0	3831.5	4647.7	4940.2	5022.9
40°	4658.4	5312.3	5981.5	6503.7	6006.0	5266.3	4422.6	4946.3	5304.6	5379.7
42.5°	5283.2	6050.4	6972.3	7647.6	7001.4	5957.0	5059.6	5448.6	5785.5	5826.8
45°	5895.7	6774.7	8171.3	9110.1	8232.6	6613.9	5710.4	6297.0	6551.2	6552.7
47.5°	6613.9	7591.0	9675.1	11012.0	9866.6	7341.3	6321.5	7640.0	7993.7	7820.7
50°	7473.0	8402.6	11223.3	13224.8	11858.9	8235.7	7097.9	9277.0	9759.4	9563.3
52.5°	8623.1	9296.9	12929.3	15382.5	14030.3	9254.0	8223.4	11439.3	11598.5	11232.5
55°	10241.7	10587.8	15119.1	18047.1	16454.5	10508.2	9869.6	14152.8	13707.2	12658.2
57.5°	13927.7	12630.7	17930.7	21086.8	19197.1	12786.9	13477.5	17145.1	15560.1	13791.4
60°	17011.9	15111.5	20532.5	24103.6	21547.8	15298.3	16864.9	17665.8	15491.2	13665.9
62.5°	15972.1	15743.9	21471.2	24435.9	22350.2	16534.1	16235.5	16353.4	14480.5	12831.3
65°	14013.5	14523.4	20633.5	22860.1	21460.5	15426.9	14685.7	15140.6	13324.4	11662.8
67.5°	12857.3	13232.5	19143.5	20338.0	19843.4	14229.4	13480.6	13151.3	11529.6	10117.7
70°	11675.1	11986.0	17051.7	17172.7	17321.2	12238.6	11022.7	10042.7	8594.0	7606.3
72.5°	10088.6	10105.4	14407.0	13705.7	13987.4	9577.1	8872.7	7508.3	6255.6	5359.8
75°	8463.8	8001.4	11404.0	9580.2	10145.3	7450.1	7367.4	5658.4	4718.1	3983.1
77.5°	6453.2	5912.6	8330.6	6300.0	7125.4	4961.6	5538.9	3837.6	3320.0	2650.8
80°	4332.2	3995.3	4603.3	3555.8	4661.5	3419.5	3612.5	2174.5	1885.1	1462.4
82.5°	2284.8	1951.0	2845.3	2108.7	2811.6	1879.0	1355.3	672.3	572.7	462.5
85°	885.1	1024.5	1395.1	750.4	1090.3	670.7	392.0	166.9	139.4	105.7
87.5°	171.5	264.9	145.5	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)