

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: P635842

Luminaire Tested: GWS-SA3E-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635842
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-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21083.6 lumens
Efficiency: N/A
Efficacy: 132.4 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

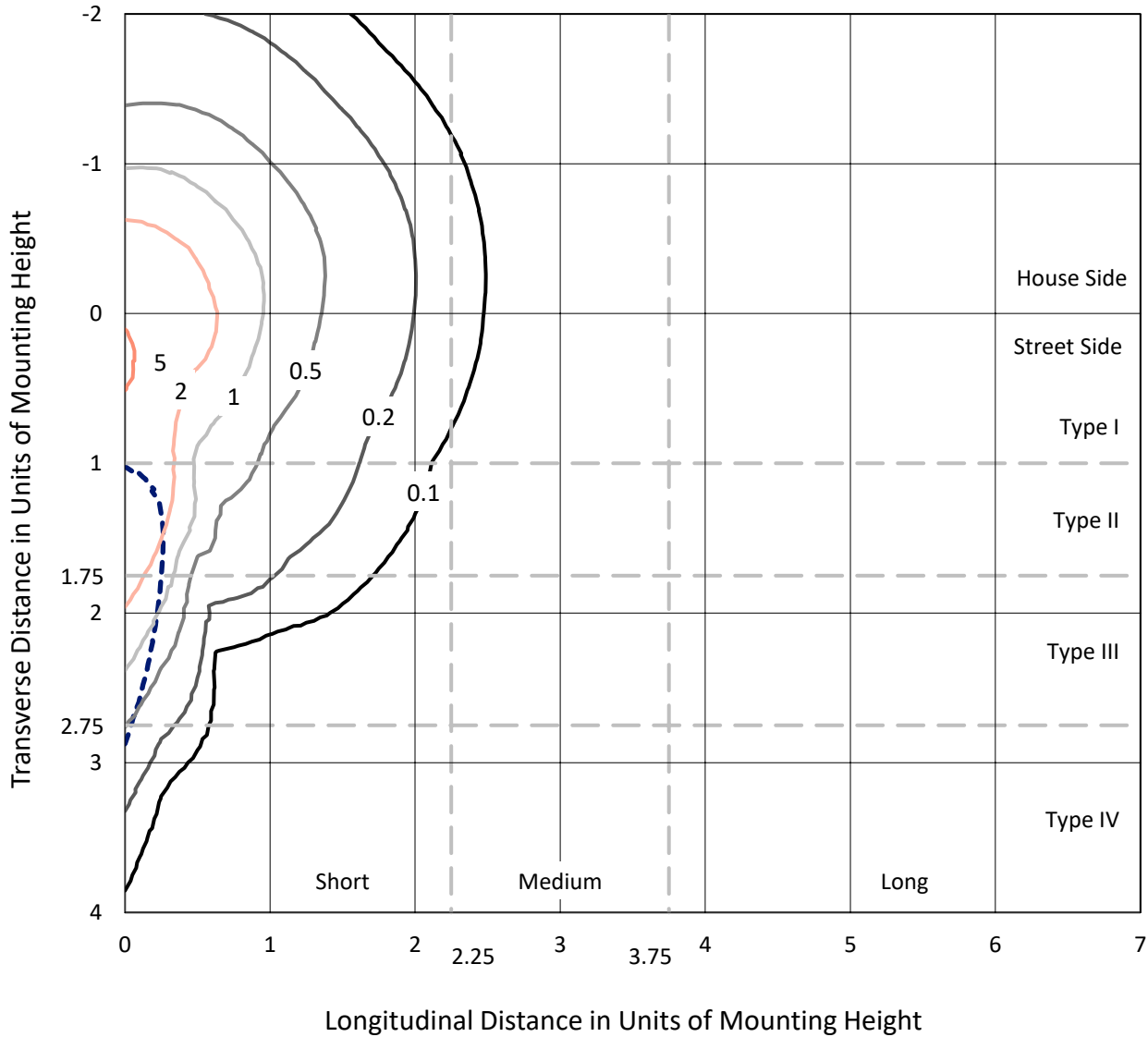
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

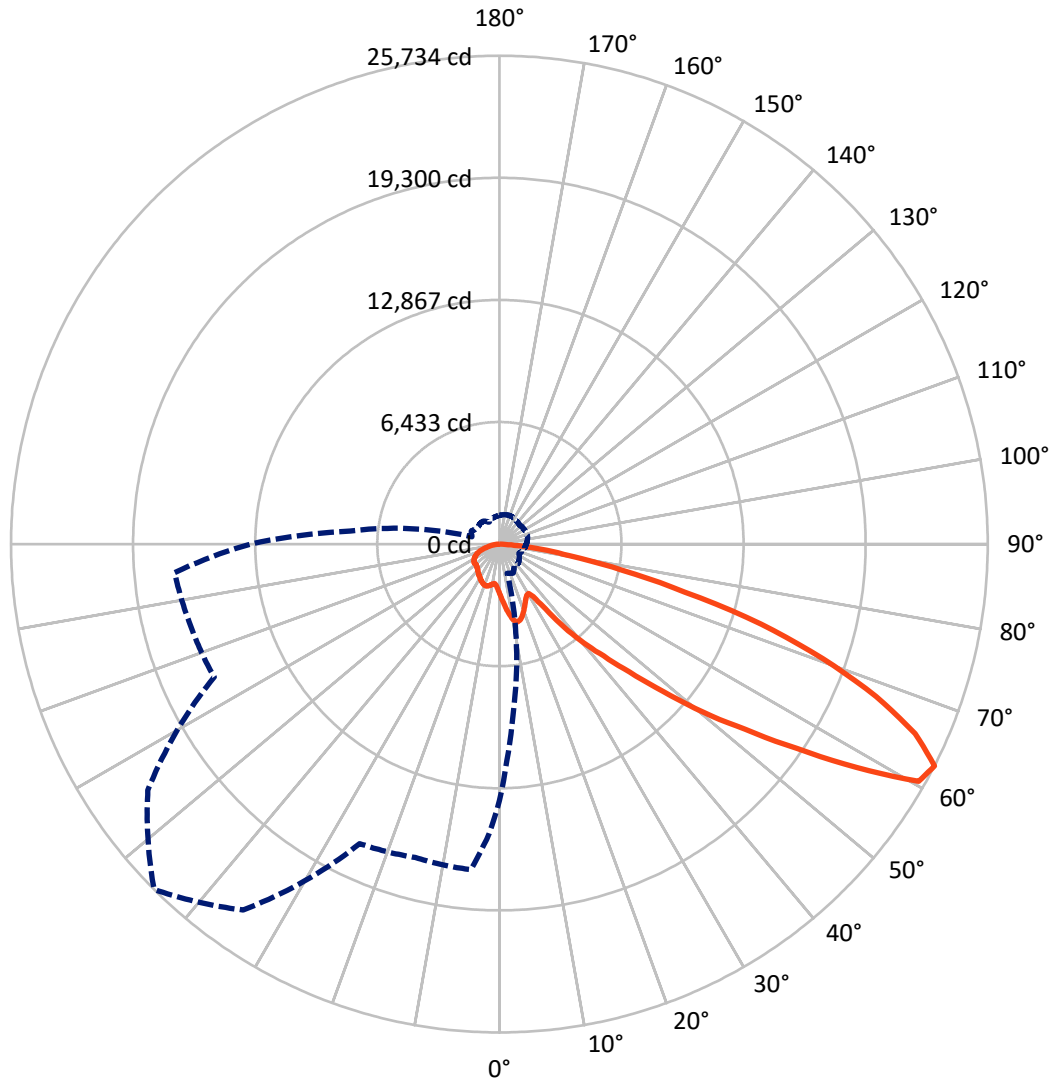
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	5041.1	0.0	5041.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	16042.5	0.0	16042.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	21083.6	0.0	21083.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	1.2
10°-20°	841.6	4.0
20°-30°	1324.9	6.3
30°-40°	1816.1	8.6
40°-50°	2833.6	13.4
50°-60°	4885.7	23.2
60°-70°	5661.9	26.9
70°-80°	2988.6	14.2
80°-90°	472.1	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°	21083.6	100.0
0°-180°	21083.6	100.0

Coefficient of Utilization



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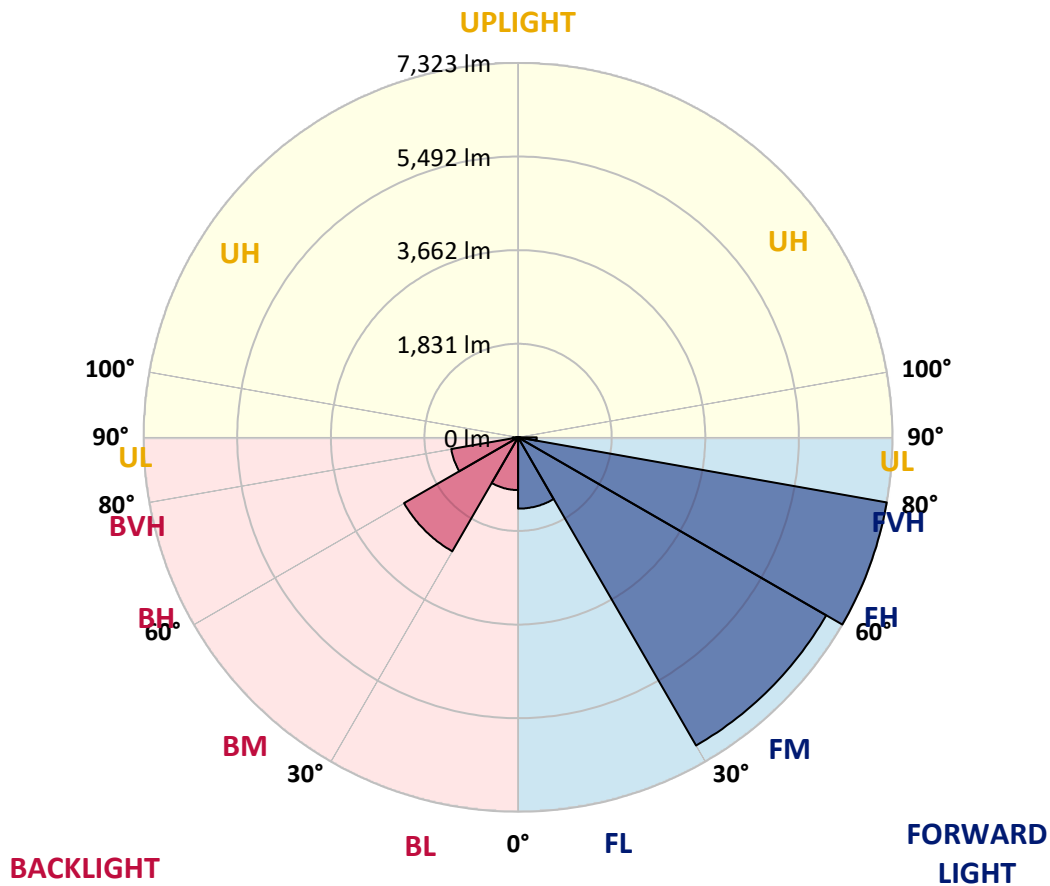
CATALOG NUMBER: GWS-SA3E-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1394.4	6.6			
FM (30°-60°)	6960.4	33.0			
FH (60°-80°)	7323.2	34.7			G3/7500
FVH (80°-90°)	364.4	1.7			G3/500
BL (0°-30°)	1031.1	4.9	B3/2500		
BM (30°-60°)	2575.0	12.2	B3/5000		
BH (60°-80°)	1327.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	107.7	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°	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7
2.5°	2856.1	2844.8	2828.7	2773.8	2740.0	2701.3	2660.9	2614.2	2561.0	2523.9	2486.8
5°	3098.0	3080.2	3041.5	2910.9	2820.6	2722.2	2640.0	2546.4	2454.5	2391.6	2328.7
7.5°	3330.2	3307.6	3248.0	3048.0	2901.2	2759.3	2635.1	2499.7	2362.6	2269.1	2194.9
10°	3562.4	3515.7	3439.9	3178.6	2985.1	2820.6	2678.7	2512.6	2330.3	2202.9	2123.9
12.5°	3739.8	3696.3	3614.0	3298.0	3069.0	2862.5	2702.9	2549.7	2394.8	2259.4	2178.7
15°	3905.9	3849.5	3756.0	3409.2	3138.3	2860.9	2654.5	2520.6	2498.1	2464.2	2359.4
17.5°	4025.3	3973.7	3876.9	3499.5	3177.0	2810.9	2520.6	2441.6	2543.2	2646.4	2546.4
20°	4130.1	4070.4	3972.1	3562.4	3185.1	2699.6	2357.8	2359.4	2519.0	2660.9	2636.8
22.5°	4218.8	4152.7	4065.6	3633.4	3181.8	2544.8	2215.8	2312.6	2472.3	2583.5	2586.8
25°	4328.5	4273.6	4201.1	3738.2	3181.8	2386.8	2112.6	2256.2	2393.2	2486.8	2483.5
27.5°	4462.3	4425.2	4365.6	3897.9	3210.9	2254.5	2054.6	2183.6	2291.6	2372.3	2370.7
30°	4612.3	4578.4	4533.3	4067.2	3260.9	2156.2	2022.3	2093.3	2172.3	2236.8	2236.8
32.5°	4765.5	4752.6	4704.2	4202.7	3222.2	2125.5	1994.9	2003.0	2044.9	2098.1	2093.3
35°	4978.4	4965.5	4904.2	4307.5	3054.4	2082.0	1951.4	1911.0	1915.9	1949.7	1961.0
37.5°	5289.6	5270.3	5180.0	4430.1	2801.2	1972.3	1880.4	1814.3	1799.8	1814.3	1835.2
40°	5665.4	5636.4	5513.8	4596.2	2509.3	1824.0	1769.1	1714.3	1690.1	1694.9	1719.1
42.5°	6136.3	6075.0	5899.2	4772.0	2220.7	1693.3	1644.9	1611.1	1583.7	1580.4	1627.2
45°	6900.7	6733.0	6454.0	4928.4	1977.2	1624.0	1533.7	1509.5	1486.9	1499.8	1554.6
47.5°	8236.0	7926.4	7382.9	5062.2	1828.8	1625.6	1445.0	1419.2	1417.6	1443.4	1504.6
50°	10071.3	9624.5	8785.9	5152.6	1751.4	1644.9	1391.8	1349.8	1380.5	1406.3	1464.3
52.5°	11829.1	11146.9	10148.7	5150.9	1717.5	1648.2	1406.3	1285.3	1380.5	1386.9	1441.7
55°	13330.5	12095.2	10516.4	4622.0	1669.1	1635.3	1462.7	1235.3	1362.7	1386.9	1430.5
57.5°	14523.9	12698.3	10489.0	3733.4	1815.9	1564.3	1496.6	1224.0	1311.1	1390.1	1440.1
60°	14391.7	12422.6	9813.2	2291.6	1801.4	1438.5	1491.7	1245.0	1224.0	1346.6	1428.8
62.5°	13512.7	11434.0	8650.5	1590.1	1691.7	1366.0	1412.7	1282.1	1143.4	1283.7	1374.0
65°	12282.3	10158.3	7208.7	1219.2	1401.4	1369.2	1278.9	1256.3	1072.4	1183.7	1280.5
67.5°	10655.1	8576.3	5691.2	966.0	977.3	1185.3	1161.1	1116.0	1006.3	1095.0	1182.1
70°	8010.2	6258.9	3915.6	777.3	740.2	990.2	1043.4	1003.1	941.8	967.6	1059.5
72.5°	5644.4	4086.6	2144.9	616.0	570.9	761.2	906.3	899.9	832.1	851.5	941.8
75°	4194.6	2891.6	1340.1	487.0	464.5	545.1	759.6	778.9	722.5	745.1	814.4
77.5°	2791.6	1872.3	745.1	361.2	361.2	398.3	566.1	656.4	614.4	632.2	680.6
80°	1540.1	953.1	372.5	237.1	243.5	274.2	412.8	472.5	474.1	517.7	530.6
82.5°	487.0	303.2	166.1	138.7	130.6	156.4	266.1	338.7	316.1	403.2	370.9
85°	111.3	71.0	30.6	30.6	33.9	51.6	101.6	180.6	230.6	277.4	201.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	71.0	104.8	93.5
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°	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7
2.5°	2464.2	2431.9	2422.3	2394.8	2391.6	2365.8	2356.1	2356.1	2367.4	2367.4	2378.7
5°	2302.9	2262.6	2240.0	2207.8	2199.7	2180.4	2167.5	2169.1	2183.6	2193.3	2212.6
7.5°	2161.0	2133.6	2117.5	2103.0	2099.7	2096.5	2082.0	2080.4	2085.2	2099.7	2114.2
10°	2101.3	2082.0	2086.8	2098.1	2115.9	2125.5	2112.6	2106.2	2101.3	2111.0	2123.9
12.5°	2159.4	2140.0	2149.7	2169.1	2193.3	2202.9	2198.1	2196.5	2201.3	2238.4	2265.8
15°	2286.8	2249.7	2236.8	2244.9	2264.2	2273.9	2269.1	2275.5	2306.1	2402.9	2472.3
17.5°	2444.8	2354.5	2302.9	2288.4	2296.5	2304.5	2304.5	2320.7	2373.9	2515.8	2602.9
20°	2530.3	2412.6	2325.5	2290.0	2293.2	2301.3	2301.3	2323.9	2383.6	2535.2	2591.6
22.5°	2507.7	2399.7	2293.2	2254.5	2256.2	2262.6	2262.6	2282.0	2335.2	2469.0	2494.8
25°	2419.0	2323.9	2219.1	2185.2	2188.4	2199.7	2196.5	2207.8	2248.1	2357.8	2372.3
27.5°	2312.6	2228.7	2125.5	2099.7	2114.2	2136.8	2117.5	2119.1	2156.2	2248.1	2249.7
30°	2198.1	2128.8	2036.8	2017.5	2044.9	2056.2	2038.4	2038.4	2075.5	2138.4	2136.8
32.5°	2073.9	2030.4	1964.3	1943.3	1973.9	1991.7	1969.1	1972.3	2001.4	2043.3	2027.2
35°	1957.8	1935.2	1904.6	1890.1	1909.4	1925.6	1911.0	1917.5	1944.9	1956.2	1933.6
37.5°	1846.5	1843.3	1846.5	1846.5	1851.4	1856.2	1846.5	1862.7	1886.8	1872.3	1846.5
40°	1749.8	1762.7	1793.3	1785.3	1780.4	1785.3	1778.8	1806.2	1830.4	1804.6	1774.0
42.5°	1669.1	1693.3	1740.1	1740.1	1730.4	1733.6	1730.4	1764.3	1782.0	1746.5	1712.7
45°	1599.8	1635.3	1694.9	1703.0	1686.9	1686.9	1693.3	1735.3	1741.7	1693.3	1657.8
47.5°	1551.4	1595.0	1662.7	1677.2	1653.0	1651.4	1669.1	1714.3	1714.3	1657.8	1617.5
50°	1517.5	1565.9	1646.6	1665.9	1641.7	1635.3	1664.3	1707.8	1698.2	1630.4	1590.1
52.5°	1495.0	1545.0	1644.9	1672.4	1656.2	1649.8	1678.8	1709.5	1685.3	1612.7	1570.8
55°	1480.5	1535.3	1649.8	1672.4	1654.6	1643.3	1672.4	1699.8	1686.9	1603.0	1562.7
57.5°	1488.5	1543.3	1643.3	1654.6	1633.7	1614.3	1648.2	1686.9	1682.0	1606.2	1565.9
60°	1475.6	1525.6	1607.9	1611.1	1575.6	1545.0	1595.0	1653.0	1653.0	1595.0	1559.5
62.5°	1415.9	1465.9	1538.5	1541.7	1501.4	1467.5	1525.6	1595.0	1593.3	1546.6	1509.5
65°	1317.6	1364.3	1446.6	1454.6	1414.3	1378.9	1438.5	1503.0	1507.9	1465.9	1433.7
67.5°	1209.5	1251.4	1312.7	1345.0	1311.1	1274.0	1328.9	1390.1	1388.5	1338.5	1304.7
70°	1080.5	1119.2	1175.7	1203.1	1182.1	1146.6	1196.6	1228.9	1214.4	1190.2	1167.6
72.5°	953.1	990.2	1043.4	1043.4	1020.8	987.0	1001.5	1059.5	1077.3	1059.5	1045.0
75°	819.2	851.5	888.6	896.7	846.7	785.4	853.1	903.1	924.1	916.0	898.3
77.5°	682.2	706.4	761.2	746.7	653.1	620.9	675.7	749.9	764.4	759.6	735.4
80°	525.7	540.3	598.3	569.3	496.7	475.7	499.9	558.0	561.2	545.1	514.4
82.5°	353.2	372.5	411.2	354.8	353.2	333.8	314.5	320.9	350.0	346.7	325.8
85°	180.6	190.3	227.4	212.9	182.2	158.0	150.0	159.7	143.5	130.6	112.9
87.5°	75.8	82.2	112.9	62.9	19.4	0.0	0.0	9.7	14.5	21.0	22.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7
2.5°	2404.5	2422.3	2465.8	2520.6	2573.9	2628.7	2688.4	2725.4	2770.6	2828.7	2830.3
5°	2236.8	2277.1	2340.0	2423.9	2511.0	2610.9	2727.1	2823.8	2939.9	3031.9	3069.0
7.5°	2133.6	2191.6	2270.7	2377.1	2491.6	2615.8	2767.4	2930.3	3120.6	3243.1	3315.7
10°	2143.3	2232.0	2311.0	2401.3	2504.5	2638.4	2833.5	3049.6	3283.4	3444.7	3535.0
12.5°	2315.8	2409.4	2394.8	2390.0	2459.4	2622.2	2886.7	3170.6	3456.0	3617.3	3725.3
15°	2533.5	2569.0	2431.9	2328.7	2370.7	2564.2	2915.7	3278.6	3599.5	3796.3	3902.7
17.5°	2644.8	2573.9	2407.7	2252.9	2241.6	2475.5	2930.3	3388.3	3760.8	3957.5	4070.4
20°	2593.2	2490.0	2349.7	2202.9	2122.3	2354.5	2922.2	3475.4	3907.6	4126.9	4218.8
22.5°	2481.9	2391.6	2282.0	2141.7	2025.5	2222.3	2901.2	3562.4	4038.2	4259.1	4339.8
25°	2361.0	2293.2	2202.9	2080.4	1970.7	2106.2	2886.7	3678.6	4188.2	4399.4	4451.0
27.5°	2240.0	2190.0	2115.9	2020.7	1957.8	2025.5	2891.6	3830.1	4381.7	4581.7	4560.7
30°	2120.7	2077.1	2025.5	1983.6	1956.2	2006.2	2878.7	3991.4	4594.6	4780.0	4655.8
32.5°	2007.8	1967.5	1935.2	1941.7	1957.8	2014.3	2812.5	4138.2	4789.7	4947.7	4759.1
35°	1911.0	1869.1	1869.1	1891.7	1951.4	1986.8	2641.6	4252.7	5005.8	5163.8	4905.8
37.5°	1820.7	1783.6	1807.8	1844.9	1901.4	1912.7	2422.3	4363.9	5320.3	5468.6	5133.2
40°	1741.7	1704.6	1748.2	1794.9	1824.0	1819.1	2199.7	4518.8	5691.2	5844.4	5434.8
42.5°	1678.8	1644.9	1683.7	1743.3	1748.2	1753.0	2036.8	4667.1	6121.8	6316.9	5954.1
45°	1627.2	1603.0	1622.4	1682.0	1682.0	1756.2	1935.2	4791.3	6770.1	7115.2	6907.2
47.5°	1586.9	1572.4	1582.1	1601.4	1633.7	1814.3	1870.7	4886.5	7950.6	8627.9	8418.3
50°	1564.3	1549.8	1562.7	1522.4	1619.1	1843.3	1849.8	4959.0	9506.8	10568.0	10308.3
52.5°	1545.0	1540.1	1548.2	1454.6	1651.4	1824.0	1833.6	4862.3	10550.2	12477.4	12733.8
55°	1538.5	1541.7	1503.0	1404.7	1690.1	1759.4	1785.3	4170.4	10834.1	14124.0	15715.7
57.5°	1541.7	1532.1	1433.7	1409.5	1691.7	1630.4	1854.6	2975.4	10421.2	14840.0	18633.0
60°	1530.4	1482.1	1349.8	1453.0	1617.5	1478.8	1804.6	1940.1	9332.7	14290.1	18802.4
62.5°	1480.5	1409.5	1277.3	1477.2	1485.3	1388.5	1638.5	1495.0	7881.2	13112.8	17170.3
65°	1407.9	1312.7	1216.0	1427.2	1351.4	1346.6	1232.1	1198.2	6337.9	11711.4	15622.1
67.5°	1288.5	1193.4	1170.8	1312.7	1216.0	1193.4	990.2	993.4	5057.4	10218.0	14065.9
70°	1153.1	1057.9	1075.7	1186.9	1082.1	991.8	801.5	827.3	3836.6	8513.4	11967.8
72.5°	1064.4	937.0	938.6	1045.0	951.5	803.1	659.6	682.2	2435.2	6416.9	9514.9
75°	898.3	825.7	790.2	846.7	808.0	625.7	554.8	549.9	1443.4	4599.4	7124.9
77.5°	749.9	693.5	675.7	698.3	603.1	462.8	446.7	438.7	817.6	2946.4	4668.7
80°	543.5	529.0	527.4	538.6	464.5	340.3	340.3	341.9	440.3	1599.8	2631.9
82.5°	345.1	377.4	333.8	370.9	316.1	241.9	225.8	256.4	253.2	682.2	1109.5
85°	143.5	196.7	183.8	195.1	150.0	132.2	141.9	153.2	146.8	262.9	432.2
87.5°	27.4	32.3	35.5	33.9	33.9	41.9	46.8	56.4	56.4	75.8	130.6
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°	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7	2628.7
2.5°	2891.6	2938.3	2928.6	2949.6	2922.2	2931.9	2877.0	2862.5	2852.9	2856.1
5°	3188.3	3283.4	3301.2	3336.7	3312.5	3312.5	3215.7	3143.1	3117.3	3098.0
7.5°	3489.9	3626.9	3717.3	3726.9	3714.0	3688.2	3547.9	3417.3	3370.5	3330.2
10°	3757.6	3922.1	4023.7	4072.0	4047.9	4007.5	3833.4	3654.4	3597.9	3562.4
12.5°	3962.4	4107.5	4175.3	4207.5	4204.3	4189.8	4047.9	3854.3	3794.7	3739.8
15°	4094.6	4167.2	4141.4	4139.8	4162.4	4220.4	4176.9	4025.3	3955.9	3905.9
17.5°	4180.1	4110.8	3996.3	3943.0	3991.4	4128.5	4228.5	4143.0	4080.1	4025.3
20°	4210.7	3964.0	3797.9	3699.5	3756.0	3954.3	4201.1	4228.5	4175.3	4130.1
22.5°	4175.3	3785.0	3559.2	3443.1	3497.9	3735.0	4120.4	4297.8	4262.3	4218.8
25°	4088.2	3597.9	3327.0	3222.2	3281.8	3523.7	3976.9	4362.3	4363.9	4328.5
27.5°	3980.1	3425.4	3164.1	3065.7	3123.8	3349.6	3836.6	4418.8	4475.2	4462.3
30°	3870.5	3322.1	3086.7	3017.3	3060.9	3260.9	3693.1	4476.8	4589.7	4612.3
32.5°	3820.5	3372.1	3268.9	3299.6	3243.1	3312.5	3641.5	4559.1	4728.4	4765.5
35°	3886.6	3815.6	4076.9	4197.8	3997.9	3735.0	3707.6	4683.3	4923.5	4978.4
37.5°	4207.5	4765.5	5155.8	5581.5	5234.8	4655.8	4035.0	4894.5	5202.5	5289.6
40°	4905.8	5594.4	6299.2	6849.1	6325.0	5546.0	4657.5	5209.0	5586.4	5665.4
42.5°	5563.8	6371.7	7342.6	8053.8	7373.2	6273.4	5328.3	5738.0	6092.8	6136.3
45°	6208.9	7134.6	8605.3	9593.9	8669.8	6965.2	6013.7	6631.4	6899.1	6900.7
47.5°	6965.2	7994.1	10189.0	11596.9	10390.6	7731.2	6657.2	8045.7	8418.3	8236.0
50°	7869.9	8848.8	11819.4	13927.2	12488.7	8673.1	7474.8	9769.7	10277.7	10071.3
52.5°	9081.1	9790.7	13616.0	16199.5	14775.5	9745.5	8660.2	12046.8	12214.5	11829.1
55°	10785.7	11150.2	15922.1	19005.6	17328.4	11066.3	10393.8	14904.5	14435.2	13330.5
57.5°	14667.4	13301.5	18883.0	22206.8	20216.7	13466.0	14193.3	18055.7	16386.6	14523.9
60°	17915.4	15914.0	21623.0	25383.8	22692.2	16110.8	17760.6	18604.0	16314.0	14391.7
62.5°	16820.4	16580.1	22611.6	25733.7	23537.2	17412.2	17097.8	17221.9	15249.6	13512.7
65°	14757.7	15294.8	21729.4	24074.3	22600.3	16246.3	15465.7	15944.7	14032.0	12282.3
67.5°	13540.2	13935.3	20160.3	21418.2	20897.3	14985.1	14196.5	13849.8	12142.0	10655.1
70°	12295.2	12622.5	17957.3	18084.7	18241.2	12888.6	11608.2	10576.0	9050.4	8010.2
72.5°	10624.4	10642.2	15172.2	14433.6	14730.3	10085.8	9343.9	7907.0	6587.8	5644.4
75°	8913.4	8426.3	12009.7	10089.0	10684.1	7845.7	7758.7	5958.9	4968.7	4194.6
77.5°	6795.9	6226.6	8773.0	6634.6	7503.9	5225.1	5833.1	4041.4	3496.3	2791.6
80°	4562.3	4207.5	4847.8	3744.7	4909.0	3601.1	3804.3	2290.0	1985.2	1540.1
82.5°	2406.1	2054.6	2996.4	2220.7	2960.9	1978.8	1427.2	708.0	603.1	487.0
85°	932.1	1078.9	1469.2	790.2	1148.2	706.4	412.8	175.8	146.8	111.3
87.5°	180.6	279.0	153.2	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)