

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P947885

Luminaire Tested: **GALN-SB3A-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-835-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12439 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

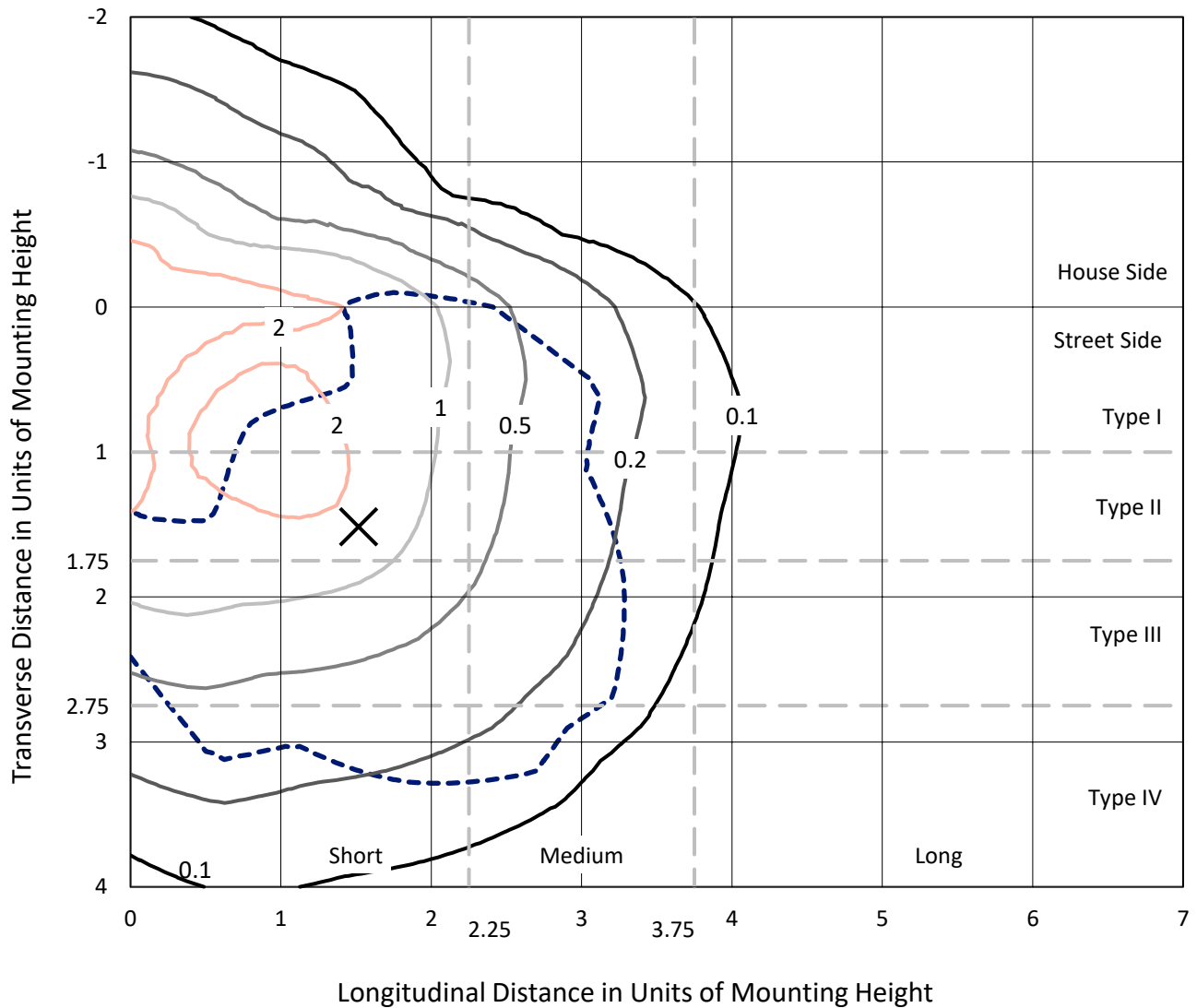
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

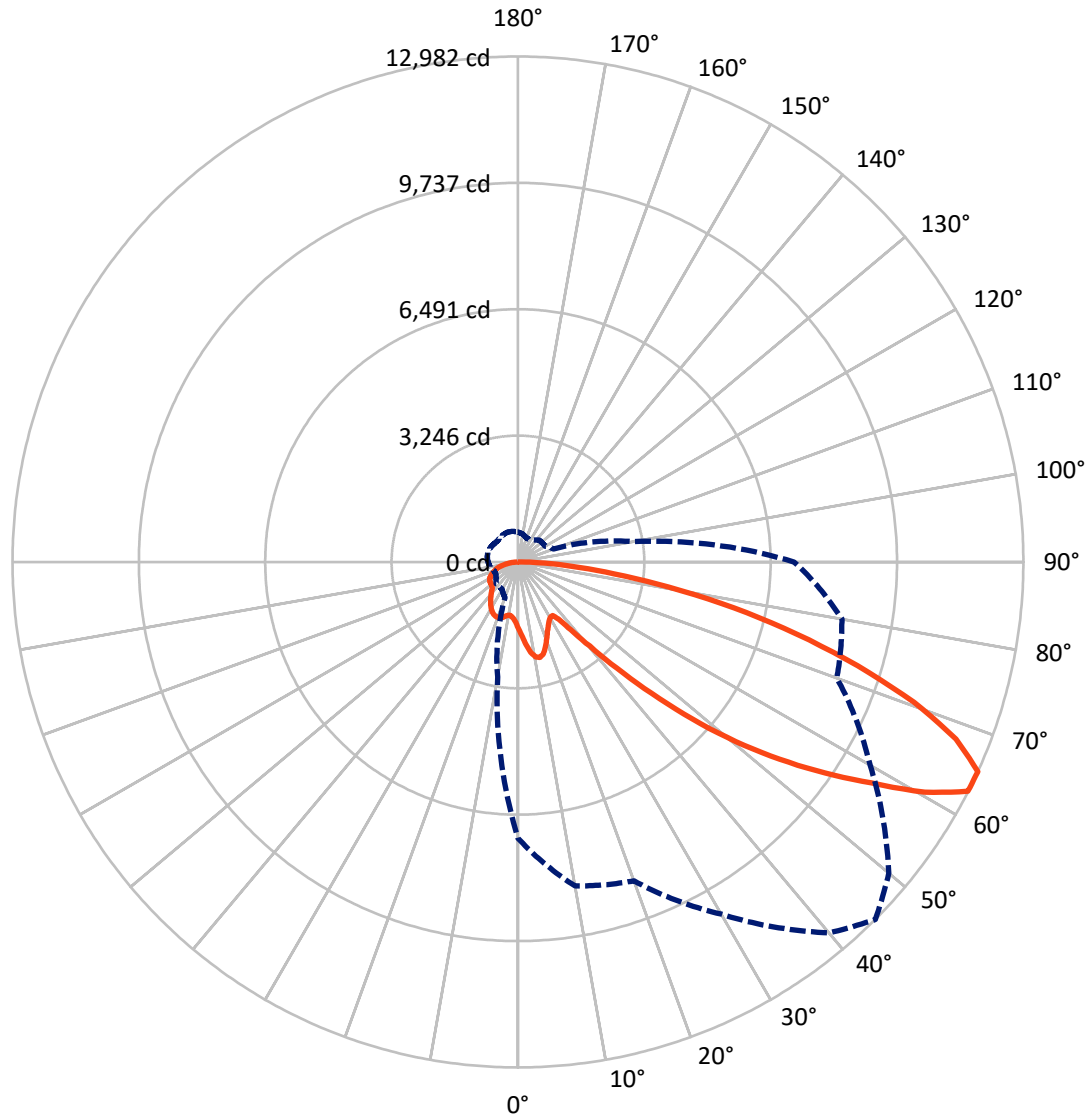
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3161.4	0.0	3161.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	9277.6	0.0	9277.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	12439.0	0.0	12439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	1.4
10°-20°	532.7	4.3
20°-30°	822.8	6.6
30°-40°	1042.6	8.4
40°-50°	1572.6	12.6
50°-60°	2540.7	20.4
60°-70°	3167.4	25.5
70°-80°	2077.0	16.7
80°-90°	513.5	4.1
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°	12439.0	100.0
0°-180°	12439.0	100.0

Coefficient of Utilization



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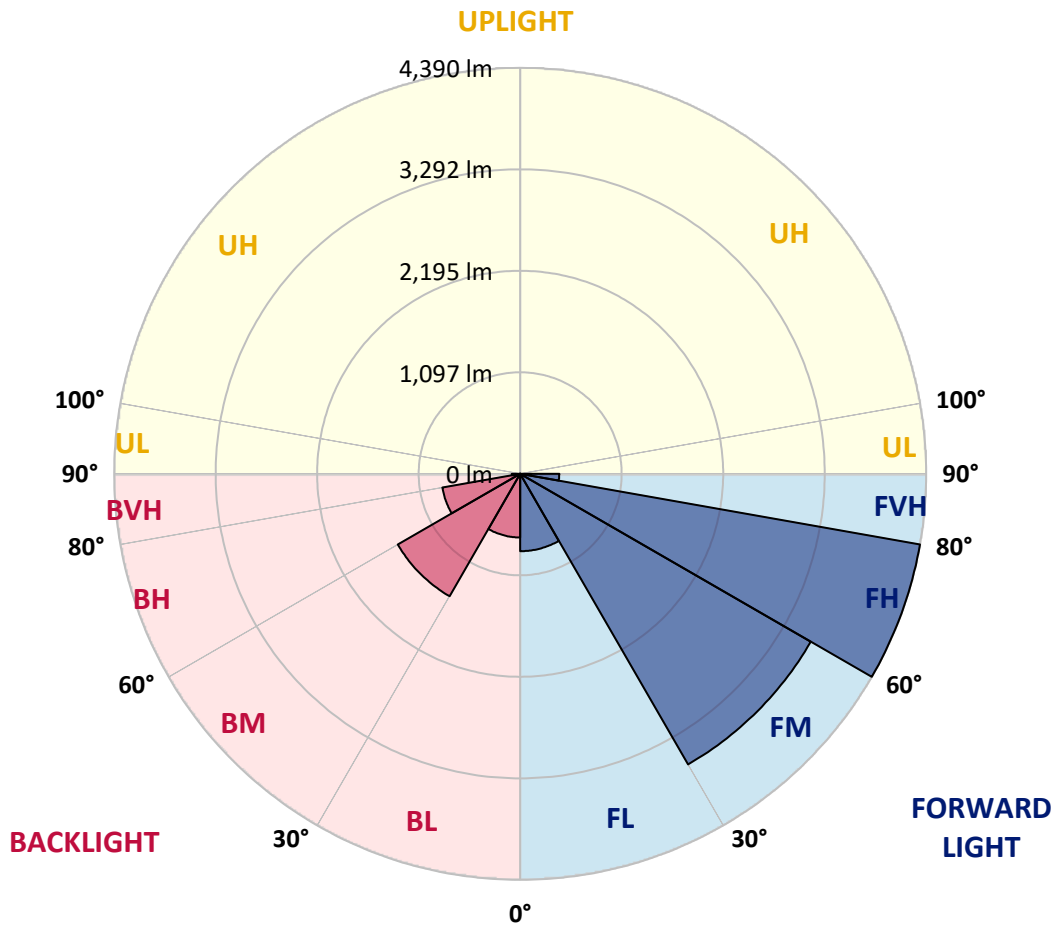
CATALOG NUMBER: GALN-SB3A-835-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.7	6.7			
FM (30°-60°)	3628.2	29.2			
FH (60°-80°)	4389.8	35.3			G2/5000
FVH (80°-90°)	423.0	3.4			G3/500
BL (0°-30°)	688.4	5.5	B2/1000		
BM (30°-60°)	1527.8	12.3	B2/2500		
BH (60°-80°)	854.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	90.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
2.5°	1839.4	1846.4	1853.4	1863.3	1873.2	1879.2	1885.1	1888.0	1891.0	1889.7
5°	1977.9	2002.3	2026.7	2050.9	2075.1	2088.2	2101.3	2109.3	2117.3	2123.3
7.5°	2117.1	2156.7	2196.3	2231.9	2267.6	2289.0	2310.5	2322.1	2333.7	2339.3
10°	2223.7	2270.6	2317.5	2359.3	2401.1	2426.4	2451.6	2462.9	2474.1	2478.4
12.5°	2289.0	2339.9	2390.6	2428.4	2466.1	2484.4	2502.8	2509.0	2515.2	2515.8
15°	2328.8	2372.6	2416.4	2440.1	2463.8	2464.5	2465.2	2458.6	2452.0	2444.3
17.5°	2351.1	2380.7	2410.3	2410.7	2411.1	2384.5	2358.0	2333.6	2309.2	2292.0
20°	2375.7	2386.0	2396.4	2365.2	2334.0	2275.3	2216.7	2173.9	2131.2	2104.9
22.5°	2404.2	2390.7	2377.2	2312.6	2248.0	2161.7	2075.4	2022.0	1968.5	1939.5
25°	2441.0	2398.3	2355.7	2257.6	2159.5	2054.7	1949.9	1893.7	1837.7	1810.2
27.5°	2490.9	2414.6	2338.3	2208.4	2078.6	1962.4	1846.2	1790.9	1735.7	1709.8
30°	2558.2	2444.4	2330.7	2170.8	2011.0	1889.9	1768.9	1717.6	1666.4	1642.2
32.5°	2637.6	2481.8	2326.1	2145.2	1964.3	1850.6	1736.9	1696.6	1656.3	1638.9
35°	2734.1	2543.5	2352.9	2164.4	1976.0	1896.9	1818.0	1808.6	1799.2	1797.8
37.5°	2896.5	2672.3	2448.1	2276.8	2105.5	2100.3	2095.2	2138.2	2181.1	2203.4
40°	3142.0	2898.1	2654.3	2526.9	2399.5	2489.4	2579.4	2683.7	2788.1	2840.1
42.5°	3467.5	3225.6	2983.7	2910.3	2836.9	3033.0	3229.2	3419.0	3608.8	3720.2
45°	3869.6	3652.2	3434.9	3402.5	3370.1	3684.3	3998.5	4310.4	4622.4	4811.8
47.5°	4372.3	4160.9	3949.4	3942.9	3936.3	4389.6	4842.7	5299.4	5755.9	6024.1
50°	5031.3	4770.1	4509.0	4510.2	4511.3	5095.4	5679.6	6282.3	6885.1	7249.5
52.5°	5787.8	5471.5	5155.4	5123.4	5091.4	5789.1	6486.9	7232.7	7978.4	8415.2
55°	6593.1	6280.7	5968.3	5843.6	5719.0	6495.6	7272.1	8161.2	9050.2	9569.7
57.5°	7325.6	7155.5	6985.3	6735.3	6485.3	7269.5	8053.6	9060.6	10067.6	10711.8
60°	7768.3	8032.6	8296.9	7986.4	7676.0	8418.1	9160.1	10238.3	11316.4	12012.7
62.5°	7543.5	8265.6	8987.6	8952.7	8917.6	9597.4	10277.3	11303.0	12328.7	12972.3
65°	7093.6	7771.3	8449.0	8583.1	8717.1	9581.0	10445.0	11439.6	12434.2	12982.1
67.5°	6490.7	7135.3	7779.8	7842.7	7905.5	8805.6	9705.7	10704.6	11703.5	12132.8
70°	5766.4	6467.5	7168.6	7196.7	7224.9	8029.8	8834.7	9694.3	10553.9	10792.5
72.5°	4903.3	5707.8	6512.4	6532.6	6552.8	7182.5	7812.3	8456.1	9099.9	9124.0
75°	3811.5	4644.1	5476.8	5551.5	5626.3	6116.3	6606.2	7059.5	7512.7	7391.3
77.5°	2723.2	3500.5	4277.8	4384.8	4491.8	4864.3	5236.8	5558.2	5879.7	5670.9
80°	1782.3	2436.3	3090.1	3223.1	3356.1	3637.4	3918.6	4087.4	4256.2	3920.4
82.5°	1036.1	1483.1	1930.2	2078.8	2227.4	2421.0	2614.6	2685.0	2755.4	2491.5
85°	455.8	693.1	930.4	1056.7	1183.1	1342.2	1501.2	1541.2	1581.2	1369.8
87.5°	141.1	220.9	300.6	371.1	441.6	521.1	600.7	604.1	607.5	510.0
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1891.0	2.5°	1888.0	1885.1	1879.2	1873.2	1863.3	1853.4	1846.4	1839.4	1825.3	1811.2
2117.3	5°	2109.3	2101.3	2088.2	2075.1	2050.9	2026.7	2002.3	1977.9	1946.8	1915.6
2333.7	7.5°	2322.1	2310.5	2289.0	2267.6	2231.9	2196.3	2156.7	2117.1	2065.6	2014.2
2474.1	10°	2462.9	2451.6	2426.4	2401.1	2359.3	2317.5	2270.6	2223.7	2158.7	2093.7
2515.2	12.5°	2509.0	2502.8	2484.4	2466.1	2428.4	2390.6	2339.9	2289.0	2217.6	2146.2
2452.0	15°	2458.6	2465.2	2464.5	2463.8	2440.1	2416.4	2372.6	2328.8	2254.3	2179.8
2309.2	17.5°	2333.6	2358.0	2384.5	2411.1	2410.7	2410.3	2380.7	2351.1	2275.5	2200.0
2131.2	20°	2173.9	2216.7	2275.3	2334.0	2365.2	2396.4	2386.0	2375.7	2297.2	2218.6
1968.5	22.5°	2022.0	2075.4	2161.7	2248.0	2312.6	2377.2	2390.7	2404.2	2324.0	2243.8
1837.7	25°	1893.7	1949.9	2054.7	2159.5	2257.6	2355.7	2398.3	2441.0	2362.4	2283.8
1735.7	27.5°	1790.9	1846.2	1962.4	2078.6	2208.4	2338.3	2414.6	2490.9	2415.9	2340.9
1666.4	30°	1717.6	1768.9	1889.9	2011.0	2170.8	2330.7	2444.4	2558.2	2485.7	2413.3
1656.3	32.5°	1696.6	1736.9	1850.6	1964.3	2145.2	2326.1	2481.8	2637.6	2565.8	2494.2
1799.2	35°	1808.6	1818.0	1896.9	1976.0	2164.4	2352.9	2543.5	2734.1	2665.4	2596.7
2181.1	37.5°	2138.2	2095.2	2100.3	2105.5	2276.8	2448.1	2672.3	2896.5	2809.0	2721.4
2788.1	40°	2683.7	2579.4	2489.4	2399.5	2526.9	2654.3	2898.1	3142.0	3014.4	2886.8
3608.8	42.5°	3419.0	3229.2	3033.0	2836.9	2910.3	2983.7	3225.6	3467.5	3283.4	3099.2
4622.4	45°	4310.4	3998.5	3684.3	3370.1	3402.5	3434.9	3652.2	3869.6	3621.1	3372.7
5755.9	47.5°	5299.4	4842.7	4389.6	3936.3	3942.9	3949.4	4160.9	4372.3	4022.7	3673.0
6885.1	50°	6282.3	5679.6	5095.4	4511.3	4510.2	4509.0	4770.1	5031.3	4504.2	3977.0
7978.4	52.5°	7232.7	6486.9	5789.1	5091.4	5123.4	5155.4	5471.5	5787.8	5010.0	4232.2
9050.2	55°	8161.2	7272.1	6495.6	5719.0	5843.6	5968.3	6280.7	6593.1	5458.4	4323.8
10067.6	57.5°	9060.6	8053.6	7269.5	6485.3	6735.3	6985.3	7155.5	7325.6	5776.2	4226.8
11316.4	60°	10238.3	9160.1	8418.1	7676.0	7986.4	8296.9	8032.6	7768.3	5855.6	3942.9
12328.7	62.5°	11303.0	10277.3	9597.4	8917.6	8952.7	8987.6	8265.6	7543.5	5521.2	3498.9
12434.2	65°	11439.6	10445.0	9581.0	8717.1	8583.1	8449.0	7771.3	7093.6	5048.1	3002.5
11703.5	67.5°	10704.6	9705.7	8805.6	7905.5	7842.7	7779.8	7135.3	6490.7	4485.0	2479.2
10553.9	70°	9694.3	8834.7	8029.8	7224.9	7196.7	7168.6	6467.5	5766.4	3870.5	1974.7
9099.9	72.5°	8456.1	7812.3	7182.5	6552.8	6532.6	6512.4	5707.8	4903.3	3204.5	1505.7
7512.7	75°	7059.5	6606.2	6116.3	5626.3	5551.5	5476.8	4644.1	3811.5	2440.9	1070.4
5879.7	77.5°	5558.2	5236.8	4864.3	4491.8	4384.8	4277.8	3500.5	2723.2	1708.4	693.6
4256.2	80°	4087.4	3918.6	3637.4	3356.1	3223.1	3090.1	2436.3	1782.3	1100.7	419.1
2755.4	82.5°	2685.0	2614.6	2421.0	2227.4	2078.8	1930.2	1483.1	1036.1	637.1	238.1
1581.2	85°	1541.2	1501.2	1342.2	1183.1	1056.7	930.4	693.1	455.8	286.6	117.4
607.5	87.5°	604.1	600.7	521.1	441.6	371.1	300.6	220.9	141.1	93.9	46.6
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1796.2	2.5°	1781.2	1766.1	1751.0	1736.6	1722.2	1708.2	1692.6	1680.0	1667.5	1656.1
1884.5	5°	1853.4	1822.1	1790.9	1761.7	1732.5	1704.9	1677.7	1653.9	1630.1	1610.1
1966.7	7.5°	1919.2	1872.9	1826.6	1785.9	1745.1	1707.5	1672.3	1640.6	1609.1	1582.8
2030.8	10°	1968.1	1911.9	1855.7	1807.5	1759.2	1712.8	1674.9	1641.6	1608.2	1582.0
2075.0	12.5°	2003.9	1937.6	1871.3	1816.7	1762.2	1713.4	1678.2	1650.9	1623.7	1606.2
2102.6	15°	2025.4	1949.1	1872.7	1809.6	1746.4	1692.4	1664.2	1651.1	1638.1	1640.5
2115.8	17.5°	2031.6	1943.0	1854.3	1778.4	1702.5	1638.9	1621.5	1626.3	1631.1	1659.7
2126.1	20°	2033.5	1926.1	1818.8	1724.6	1630.5	1556.6	1552.0	1574.3	1596.6	1646.3
2140.0	22.5°	2036.2	1905.5	1774.9	1661.6	1548.2	1464.0	1473.0	1506.0	1539.0	1595.7
2165.2	25°	2046.5	1885.2	1723.9	1591.1	1458.4	1372.1	1396.4	1434.5	1472.5	1523.5
2204.6	27.5°	2068.2	1871.6	1675.0	1526.8	1378.5	1299.9	1329.5	1366.2	1403.0	1444.9
2255.6	30°	2097.9	1865.2	1632.5	1472.9	1313.4	1247.4	1270.6	1299.7	1329.0	1363.8
2308.8	32.5°	2123.5	1857.4	1591.1	1426.5	1261.8	1208.7	1219.0	1236.3	1253.5	1281.3
2369.5	35°	2142.2	1842.5	1543.0	1380.9	1218.9	1174.6	1170.3	1175.0	1179.8	1201.0
2437.4	37.5°	2153.4	1817.1	1480.9	1327.2	1173.6	1134.8	1119.2	1114.0	1108.7	1123.9
2523.6	40°	2160.4	1782.1	1404.0	1263.2	1122.4	1087.3	1063.3	1051.4	1039.5	1050.5
2636.5	42.5°	2173.7	1746.0	1318.5	1192.5	1066.5	1034.1	1003.9	988.1	972.4	981.3
2784.9	45°	2197.2	1712.5	1227.9	1117.4	1006.9	974.0	944.8	929.5	914.2	921.7
2943.1	47.5°	2213.2	1684.8	1156.4	1058.0	959.6	917.3	892.1	879.3	866.4	873.5
3089.9	50°	2202.7	1654.6	1106.5	1018.5	930.6	874.9	845.7	834.3	822.9	834.0
3185.2	52.5°	2138.1	1603.6	1069.2	992.5	915.9	852.0	811.1	799.8	788.6	805.2
3164.2	55°	2004.5	1519.1	1033.6	973.7	913.8	854.3	792.7	774.9	757.1	780.7
3016.4	57.5°	1806.0	1399.9	993.7	951.4	909.1	856.5	781.7	755.7	729.7	755.1
2741.3	60°	1539.7	1245.1	950.5	917.3	884.0	849.3	771.4	737.7	703.9	726.2
2369.3	62.5°	1239.7	1059.9	880.0	857.9	835.9	831.6	759.3	717.1	675.1	689.2
1989.8	65°	977.2	893.2	809.3	798.9	788.4	788.9	733.8	689.0	644.2	649.7
1618.1	67.5°	756.9	733.1	709.2	715.0	720.8	719.4	688.4	651.1	613.8	612.1
1274.0	70°	573.3	580.2	586.9	614.0	640.9	640.9	630.8	604.2	577.7	571.8
974.0	72.5°	442.3	462.8	483.4	521.7	560.0	566.4	566.6	548.4	530.2	521.5
706.9	75°	343.4	362.0	380.7	423.6	466.5	496.2	493.7	479.7	465.7	457.4
479.0	77.5°	264.4	277.0	289.8	331.5	373.1	422.0	420.7	409.5	398.3	389.9
308.6	80°	198.2	203.5	208.7	244.0	279.3	337.7	337.5	328.1	318.7	311.6
189.8	82.5°	141.6	142.6	143.6	169.6	195.6	245.5	248.2	243.6	239.0	234.1
101.5	85°	85.7	85.2	84.7	103.7	122.7	159.8	163.4	158.5	153.6	148.0
42.1	87.5°	37.5	37.1	36.6	44.4	52.2	67.6	72.2	70.2	68.3	67.2
0.0	90°	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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1644.8	2.5°	1634.9	1625.0	1615.0	1605.1	1597.4	1589.7	1583.5	1577.2	1572.4	1567.5
1590.2	5°	1572.6	1555.0	1539.1	1523.1	1510.8	1498.5	1489.9	1481.3	1475.2	1469.1
1556.6	7.5°	1534.4	1512.2	1492.7	1473.2	1458.6	1444.0	1433.7	1423.5	1416.5	1409.5
1555.7	10°	1531.9	1508.0	1486.0	1464.0	1446.5	1429.0	1417.6	1406.1	1399.4	1392.8
1588.9	12.5°	1570.1	1551.5	1528.7	1506.0	1483.7	1461.4	1446.6	1431.8	1424.4	1417.1
1642.9	15°	1638.0	1633.2	1613.4	1593.6	1561.9	1530.1	1507.7	1485.2	1474.9	1464.7
1688.3	17.5°	1703.5	1718.7	1702.7	1686.8	1644.8	1602.7	1569.6	1536.5	1521.3	1506.0
1696.0	20°	1727.9	1759.7	1752.3	1744.9	1696.8	1648.8	1608.2	1567.7	1548.2	1528.7
1652.6	22.5°	1694.0	1735.4	1739.9	1744.3	1698.3	1652.4	1610.6	1568.8	1548.3	1527.7
1574.6	25°	1615.4	1656.1	1671.4	1686.5	1648.8	1611.2	1574.1	1537.1	1519.2	1501.4
1486.8	27.5°	1519.5	1552.2	1569.1	1586.1	1559.2	1532.5	1503.7	1474.8	1462.9	1450.9
1398.6	30°	1425.7	1452.8	1466.6	1480.4	1460.0	1439.5	1418.9	1398.2	1392.1	1385.9
1309.1	32.5°	1335.1	1361.2	1376.4	1391.8	1373.0	1354.2	1337.7	1321.2	1317.2	1313.2
1222.1	35°	1247.9	1273.7	1292.0	1310.4	1297.0	1283.7	1268.5	1253.3	1247.2	1241.2
1139.1	37.5°	1164.8	1190.5	1213.2	1235.9	1229.8	1223.6	1209.6	1195.6	1184.5	1173.4
1061.5	40°	1086.3	1111.1	1137.2	1163.4	1164.9	1166.3	1154.5	1142.6	1126.4	1110.4
990.3	42.5°	1013.8	1037.4	1065.6	1093.8	1101.4	1108.9	1098.9	1088.9	1068.9	1048.9
929.3	45°	951.6	973.9	1003.2	1032.5	1043.3	1054.1	1045.1	1036.1	1013.2	990.3
880.5	47.5°	902.4	924.2	953.0	981.9	994.4	1006.9	1000.6	994.3	973.9	953.6
845.1	50°	865.7	886.2	912.1	937.9	954.0	970.0	969.6	969.3	953.0	936.8
821.8	52.5°	840.7	859.5	883.6	907.7	926.7	945.7	949.1	952.5	939.2	926.0
804.2	55°	824.5	844.9	866.0	887.1	907.2	927.3	932.0	936.8	925.2	913.7
780.4	57.5°	804.3	828.2	849.1	870.0	890.3	910.5	915.3	920.1	908.4	896.7
748.4	60°	775.8	803.3	824.5	845.7	866.1	886.4	891.7	896.9	885.5	874.1
703.3	62.5°	735.3	767.3	789.9	812.6	831.2	849.9	854.9	860.0	849.7	839.4
655.0	65°	689.3	723.6	745.3	767.0	783.4	799.8	805.0	810.1	800.2	790.3
610.4	67.5°	642.0	673.8	694.3	714.8	729.0	743.1	748.2	753.2	744.0	735.0
565.9	70°	593.7	621.6	639.3	657.0	669.8	682.6	687.5	692.3	684.9	677.5
512.9	72.5°	534.9	556.7	572.7	588.8	601.3	613.8	619.6	625.4	619.2	613.0
449.1	75°	465.4	481.6	496.1	510.6	522.1	533.5	539.5	545.6	542.5	539.5
381.5	77.5°	394.7	407.9	420.4	432.9	444.9	456.8	462.5	468.1	463.9	459.6
304.6	80°	315.6	326.5	337.0	347.5	356.7	365.7	373.2	380.7	378.8	377.1
229.1	82.5°	228.2	227.2	223.6	219.9	239.3	258.7	271.5	284.2	283.4	282.6
142.4	85°	137.7	132.9	122.7	112.6	130.7	149.0	164.7	180.5	179.2	177.9
66.2	87.5°	66.0	65.8	58.0	50.2	57.8	65.5	71.9	78.2	76.7	75.0
0.0	90°	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1563.1	2.5°	1558.5	1552.9	1558.5	1563.1	1567.5	1572.4	1577.2	1583.5	1589.7	1597.4
1464.4	5°	1459.7	1455.1	1459.7	1464.4	1469.1	1475.2	1481.3	1489.9	1498.5	1510.8
1405.3	7.5°	1401.2	1398.0	1401.2	1405.3	1409.5	1416.5	1423.5	1433.7	1444.0	1458.6
1389.2	10°	1385.7	1384.3	1385.7	1389.2	1392.8	1399.4	1406.1	1417.6	1429.0	1446.5
1414.1	12.5°	1411.0	1410.5	1411.0	1414.1	1417.1	1424.4	1431.8	1446.6	1461.4	1483.7
1460.7	15°	1456.8	1456.5	1456.8	1460.7	1464.7	1474.9	1485.2	1507.7	1530.1	1561.9
1501.0	17.5°	1496.0	1495.2	1496.0	1501.0	1506.0	1521.3	1536.5	1569.6	1602.7	1644.8
1522.4	20°	1516.2	1514.2	1516.2	1522.4	1528.7	1548.2	1567.7	1608.2	1648.8	1696.8
1520.8	22.5°	1513.9	1510.9	1513.9	1520.8	1527.7	1548.3	1568.8	1610.6	1652.4	1698.3
1494.9	25°	1488.5	1484.7	1488.5	1494.9	1501.4	1519.2	1537.1	1574.1	1611.2	1648.8
1447.9	27.5°	1445.0	1444.0	1445.0	1447.9	1450.9	1462.9	1474.8	1503.7	1532.5	1559.2
1385.9	30°	1385.9	1386.9	1385.9	1385.9	1385.9	1392.1	1398.2	1418.9	1439.5	1460.0
1313.8	32.5°	1314.4	1315.3	1314.4	1313.8	1313.2	1317.2	1321.2	1337.7	1354.2	1373.0
1239.9	35°	1238.5	1237.9	1238.5	1239.9	1241.2	1247.2	1253.3	1268.5	1283.7	1297.0
1167.6	37.5°	1161.8	1158.5	1161.8	1167.6	1173.4	1184.5	1195.6	1209.6	1223.6	1229.8
1099.5	40°	1088.8	1082.3	1088.8	1099.5	1110.4	1126.4	1142.6	1154.5	1166.3	1164.9
1033.0	42.5°	1017.2	1006.9	1017.2	1033.0	1048.9	1068.9	1088.9	1098.9	1108.9	1101.4
971.7	45°	953.2	941.2	953.2	971.7	990.3	1013.2	1036.1	1045.1	1054.1	1043.3
936.4	47.5°	919.2	907.7	919.2	936.4	953.6	973.9	994.3	1000.6	1006.9	994.4
920.9	50°	905.0	894.0	905.0	920.9	936.8	953.0	969.3	969.6	970.0	954.0
911.7	52.5°	897.6	887.4	897.6	911.7	926.0	939.2	952.5	949.1	945.7	926.7
901.2	55°	888.7	879.5	888.7	901.2	913.7	925.2	936.8	932.0	927.3	907.2
884.4	57.5°	872.0	862.5	872.0	884.4	896.7	908.4	920.1	915.3	910.5	890.3
861.4	60°	848.7	838.8	848.7	861.4	874.1	885.5	896.9	891.7	886.4	866.1
826.0	62.5°	812.6	800.8	812.6	826.0	839.4	849.7	860.0	854.9	849.9	831.2
777.3	65°	764.3	754.2	764.3	777.3	790.3	800.2	810.1	805.0	799.8	783.4
722.9	67.5°	710.8	701.6	710.8	722.9	735.0	744.0	753.2	748.2	743.1	729.0
665.9	70°	654.4	643.9	654.4	665.9	677.5	684.9	692.3	687.5	682.6	669.8
602.0	72.5°	591.1	580.9	591.1	602.0	613.0	619.2	625.4	619.6	613.8	601.3
530.3	75°	521.0	511.3	521.0	530.3	539.5	542.5	545.6	539.5	533.5	522.1
450.3	77.5°	440.9	433.2	440.9	450.3	459.6	463.9	468.1	462.5	456.8	444.9
364.5	80°	351.9	337.4	351.9	364.5	377.1	378.8	380.7	373.2	365.7	356.7
272.0	82.5°	261.4	252.0	261.4	272.0	282.6	283.4	284.2	271.5	258.7	239.3
169.6	85°	161.3	152.9	161.3	169.6	177.9	179.2	180.5	164.7	149.0	130.7
70.8	87.5°	66.4	62.4	66.4	70.8	75.0	76.7	78.2	71.9	65.5	57.8
0.0	90°	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1605.1	2.5°	1615.0	1625.0	1634.9	1644.8	1656.1	1667.5	1680.0	1692.6	1708.2	1722.2
1523.1	5°	1539.1	1555.0	1572.6	1590.2	1610.1	1630.1	1653.9	1677.7	1704.9	1732.5
1473.2	7.5°	1492.7	1512.2	1534.4	1556.6	1582.8	1609.1	1640.6	1672.3	1707.5	1745.1
1464.0	10°	1486.0	1508.0	1531.9	1555.7	1582.0	1608.2	1641.6	1674.9	1712.8	1759.2
1506.0	12.5°	1528.7	1551.5	1570.1	1588.9	1606.2	1623.7	1650.9	1678.2	1713.4	1762.2
1593.6	15°	1613.4	1633.2	1638.0	1642.9	1640.5	1638.1	1651.1	1664.2	1692.4	1746.4
1686.8	17.5°	1702.7	1718.7	1703.5	1688.3	1659.7	1631.1	1626.3	1621.5	1638.9	1702.5
1744.9	20°	1752.3	1759.7	1727.9	1696.0	1646.3	1596.6	1574.3	1552.0	1556.6	1630.5
1744.3	22.5°	1739.9	1735.4	1694.0	1652.6	1595.7	1539.0	1506.0	1473.0	1464.0	1548.2
1686.5	25°	1671.4	1656.1	1615.4	1574.6	1523.5	1472.5	1434.5	1396.4	1372.1	1458.4
1586.1	27.5°	1569.1	1552.2	1519.5	1486.8	1444.9	1403.0	1366.2	1329.5	1299.9	1378.5
1480.4	30°	1466.6	1452.8	1425.7	1398.6	1363.8	1329.0	1299.7	1270.6	1247.4	1313.4
1391.8	32.5°	1376.4	1361.2	1335.1	1309.1	1281.3	1253.5	1236.3	1219.0	1208.7	1261.8
1310.4	35°	1292.0	1273.7	1247.9	1222.1	1201.0	1179.8	1175.0	1170.3	1174.6	1218.9
1235.9	37.5°	1213.2	1190.5	1164.8	1139.1	1123.9	1108.7	1114.0	1119.2	1134.8	1173.6
1163.4	40°	1137.2	1111.1	1086.3	1061.5	1050.5	1039.5	1051.4	1063.3	1087.3	1122.4
1093.8	42.5°	1065.6	1037.4	1013.8	990.3	981.3	972.4	988.1	1003.9	1034.1	1066.5
1032.5	45°	1003.2	973.9	951.6	929.3	921.7	914.2	929.5	944.8	974.0	1006.9
981.9	47.5°	953.0	924.2	902.4	880.5	873.5	866.4	879.3	892.1	917.3	959.6
937.9	50°	912.1	886.2	865.7	845.1	834.0	822.9	834.3	845.7	874.9	930.6
907.7	52.5°	883.6	859.5	840.7	821.8	805.2	788.6	799.8	811.1	852.0	915.9
887.1	55°	866.0	844.9	824.5	804.2	780.7	757.1	774.9	792.7	854.3	913.8
870.0	57.5°	849.1	828.2	804.3	780.4	755.1	729.7	755.7	781.7	856.5	909.1
845.7	60°	824.5	803.3	775.8	748.4	726.2	703.9	737.7	771.4	849.3	884.0
812.6	62.5°	789.9	767.3	735.3	703.3	689.2	675.1	717.1	759.3	831.6	835.9
767.0	65°	745.3	723.6	689.3	655.0	649.7	644.2	689.0	733.8	788.9	788.4
714.8	67.5°	694.3	673.8	642.0	610.4	612.1	613.8	651.1	688.4	719.4	720.8
657.0	70°	639.3	621.6	593.7	565.9	571.8	577.7	604.2	630.8	640.9	640.9
588.8	72.5°	572.7	556.7	534.9	512.9	521.5	530.2	548.4	566.6	566.4	560.0
510.6	75°	496.1	481.6	465.4	449.1	457.4	465.7	479.7	493.7	496.2	466.5
432.9	77.5°	420.4	407.9	394.7	381.5	389.9	398.3	409.5	420.7	422.0	373.1
347.5	80°	337.0	326.5	315.6	304.6	311.6	318.7	328.1	337.5	337.7	279.3
219.9	82.5°	223.6	227.2	228.2	229.1	234.1	239.0	243.6	248.2	245.5	195.6
112.6	85°	122.7	132.9	137.7	142.4	148.0	153.6	158.5	163.4	159.8	122.7
50.2	87.5°	58.0	65.8	66.0	66.2	67.2	68.3	70.2	72.2	67.6	52.2
0.0	90°	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):

325°		330°	335°	340°	345°	350°	355°	360°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1736.6	2.5°	1751.0	1766.1	1781.2	1796.2	1811.2	1825.3	1839.4
1761.7	5°	1790.9	1822.1	1853.4	1884.5	1915.6	1946.8	1977.9
1785.9	7.5°	1826.6	1872.9	1919.2	1966.7	2014.2	2065.6	2117.1
1807.5	10°	1855.7	1911.9	1968.1	2030.8	2093.7	2158.7	2223.7
1816.7	12.5°	1871.3	1937.6	2003.9	2075.0	2146.2	2217.6	2289.0
1809.6	15°	1872.7	1949.1	2025.4	2102.6	2179.8	2254.3	2328.8
1778.4	17.5°	1854.3	1943.0	2031.6	2115.8	2200.0	2275.5	2351.1
1724.6	20°	1818.8	1926.1	2033.5	2126.1	2218.6	2297.2	2375.7
1661.6	22.5°	1774.9	1905.5	2036.2	2140.0	2243.8	2324.0	2404.2
1591.1	25°	1723.9	1885.2	2046.5	2165.2	2283.8	2362.4	2441.0
1526.8	27.5°	1675.0	1871.6	2068.2	2204.6	2340.9	2415.9	2490.9
1472.9	30°	1632.5	1865.2	2097.9	2255.6	2413.3	2485.7	2558.2
1426.5	32.5°	1591.1	1857.4	2123.5	2308.8	2494.2	2565.8	2637.6
1380.9	35°	1543.0	1842.5	2142.2	2369.5	2596.7	2665.4	2734.1
1327.2	37.5°	1480.9	1817.1	2153.4	2437.4	2721.4	2809.0	2896.5
1263.2	40°	1404.0	1782.1	2160.4	2523.6	2886.8	3014.4	3142.0
1192.5	42.5°	1318.5	1746.0	2173.7	2636.5	3099.2	3283.4	3467.5
1117.4	45°	1227.9	1712.5	2197.2	2784.9	3372.7	3621.1	3869.6
1058.0	47.5°	1156.4	1684.8	2213.2	2943.1	3673.0	4022.7	4372.3
1018.5	50°	1106.5	1654.6	2202.7	3089.9	3977.0	4504.2	5031.3
992.5	52.5°	1069.2	1603.6	2138.1	3185.2	4232.2	5010.0	5787.8
973.7	55°	1033.6	1519.1	2004.5	3164.2	4323.8	5458.4	6593.1
951.4	57.5°	993.7	1399.9	1806.0	3016.4	4226.8	5776.2	7325.6
917.3	60°	950.5	1245.1	1539.7	2741.3	3942.9	5855.6	7768.3
857.9	62.5°	880.0	1059.9	1239.7	2369.3	3498.9	5521.2	7543.5
798.9	65°	809.3	893.2	977.2	1989.8	3002.5	5048.1	7093.6
715.0	67.5°	709.2	733.1	756.9	1618.1	2479.2	4485.0	6490.7
614.0	70°	586.9	580.2	573.3	1274.0	1974.7	3870.5	5766.4
521.7	72.5°	483.4	462.8	442.3	974.0	1505.7	3204.5	4903.3
423.6	75°	380.7	362.0	343.4	706.9	1070.4	2440.9	3811.5
331.5	77.5°	289.8	277.0	264.4	479.0	693.6	1708.4	2723.2
244.0	80°	208.7	203.5	198.2	308.6	419.1	1100.7	1782.3
169.6	82.5°	143.6	142.6	141.6	189.8	238.1	637.1	1036.1
103.7	85°	84.7	85.2	85.7	101.5	117.4	286.6	455.8
44.4	87.5°	36.6	37.1	37.5	42.1	46.6	93.9	141.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)