

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: P947150

Luminaire Tested: **GALN-SB2C-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947150
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-SB2C-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13409 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

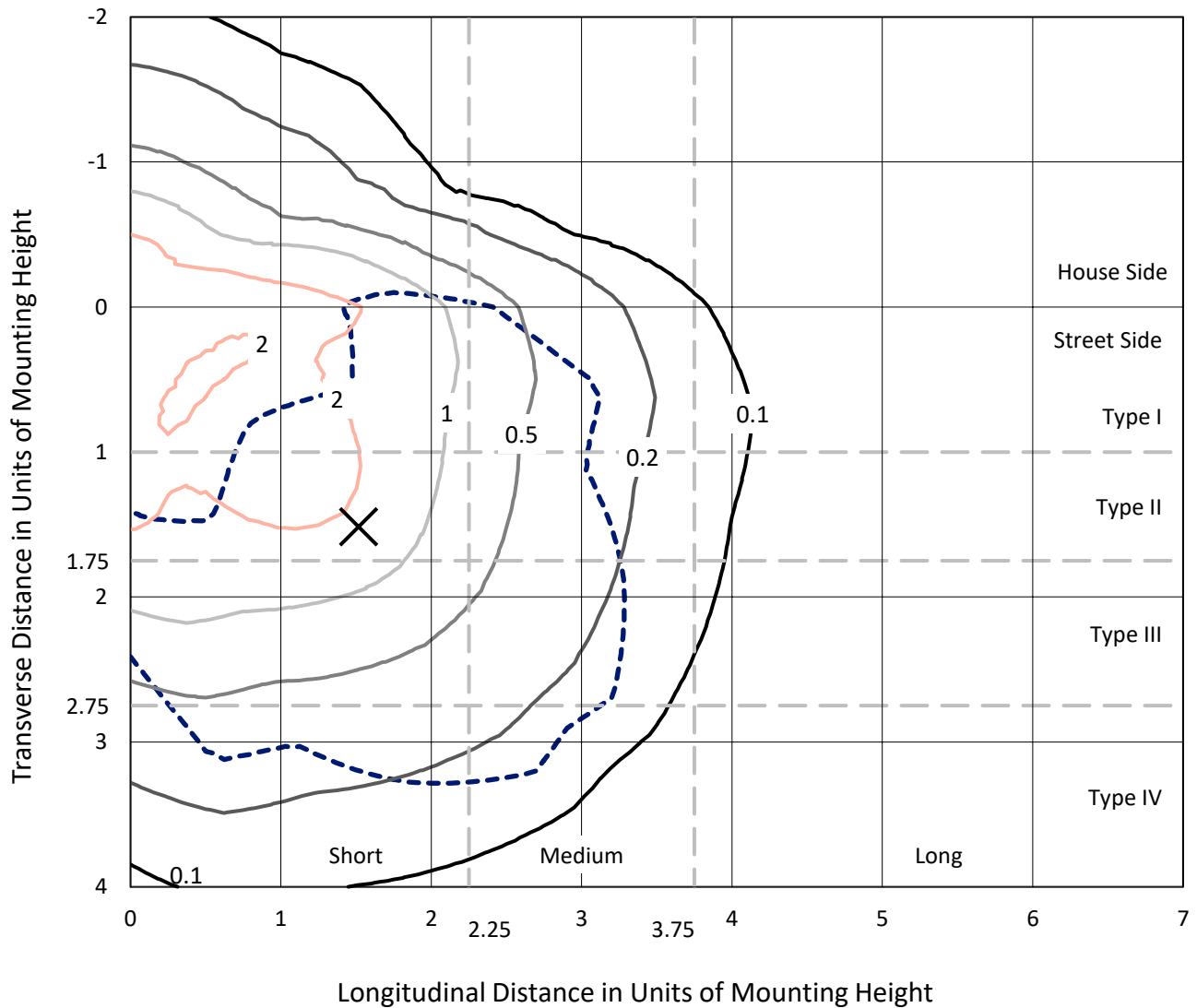
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

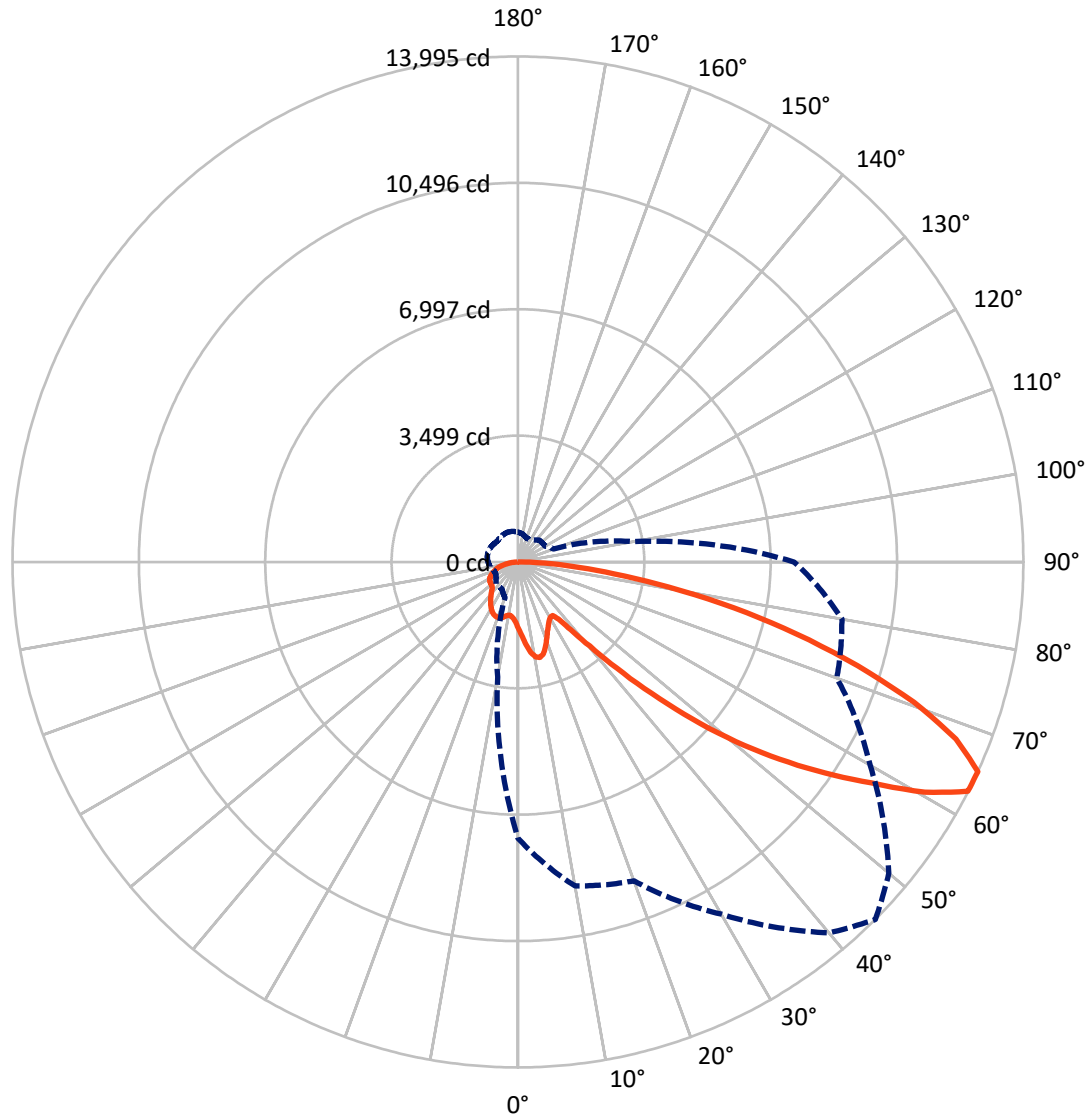
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	3407.9	0.0	3407.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10001.1	0.0	10001.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	13409.0	0.0	13409.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	1.4
10°-20°	574.2	4.3
20°-30°	886.9	6.6
30°-40°	1124.0	8.4
40°-50°	1695.2	12.6
50°-60°	2738.9	20.4
60°-70°	3414.4	25.5
70°-80°	2239.0	16.7
80°-90°	553.5	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°	13409.0	100.0
0°-180°	13409.0	100.0



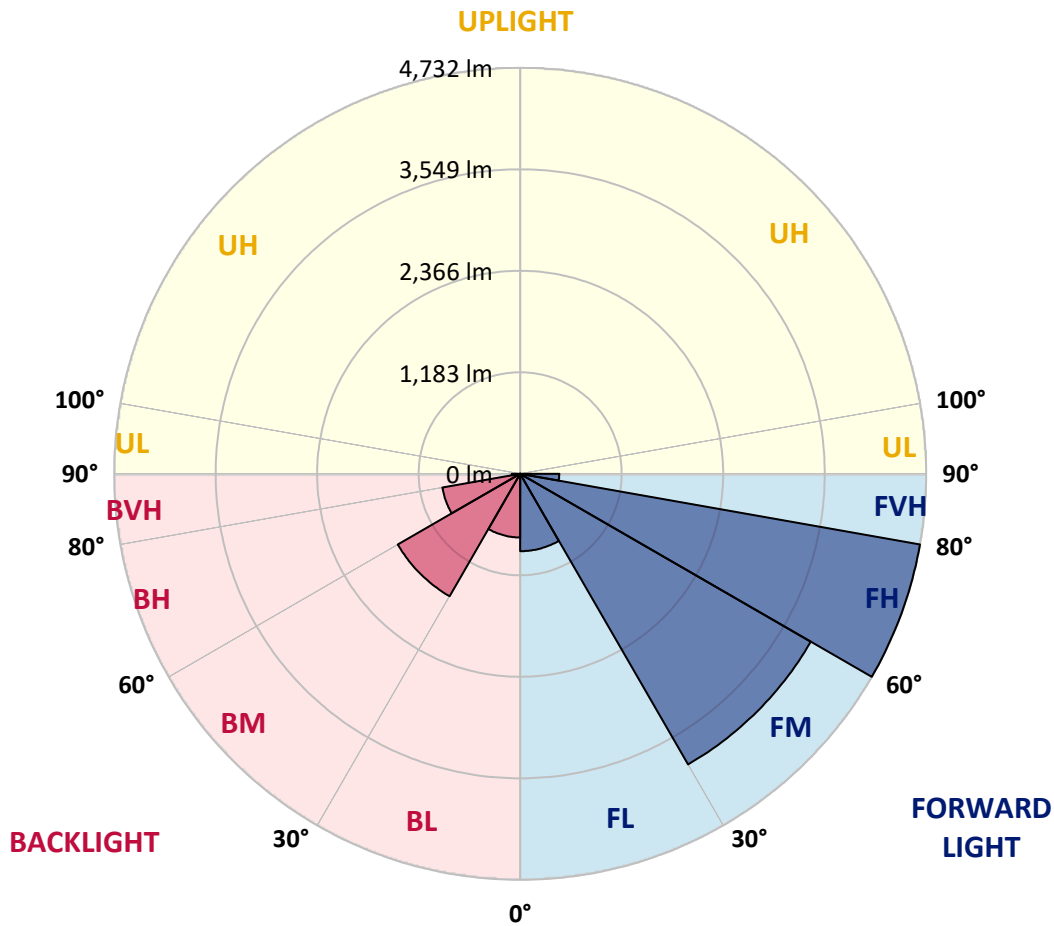
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.9	6.7			
FM (30°-60°)	3911.1	29.2			
FH (60°-80°)	4732.1	35.3			G2/5000
FVH (80°-90°)	456.0	3.4			G3/500
BL (0°-30°)	742.1	5.5	B2/1000		
BM (30°-60°)	1646.9	12.3	B2/2500		
BH (60°-80°)	921.3	6.9	B2/1000		G2/1000
BVH (80°-90°)	97.5	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°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2.5°	1982.9	1990.4	1998.0	2008.6	2019.3	2025.7	2032.1	2035.2	2038.4	2037.0
5°	2132.2	2158.4	2184.7	2210.8	2236.9	2251.0	2265.2	2273.8	2282.4	2288.9
7.5°	2282.2	2324.9	2367.6	2406.0	2444.4	2467.6	2490.7	2503.2	2515.7	2521.7
10°	2397.2	2447.7	2498.2	2543.3	2588.3	2615.6	2642.8	2655.0	2667.1	2671.7
12.5°	2467.6	2522.3	2577.0	2617.8	2658.4	2678.2	2698.0	2704.6	2711.3	2712.0
15°	2510.4	2557.6	2604.8	2630.4	2656.0	2656.7	2657.4	2650.3	2643.2	2634.9
17.5°	2534.4	2566.3	2598.2	2598.7	2599.2	2570.5	2541.8	2515.6	2489.3	2470.7
20°	2560.9	2572.1	2583.2	2549.6	2516.0	2452.8	2389.5	2343.4	2297.4	2269.1
22.5°	2591.7	2577.1	2562.6	2493.0	2423.3	2330.3	2237.2	2179.7	2122.1	2090.8
25°	2631.3	2585.4	2539.4	2433.7	2328.0	2215.0	2102.0	2041.4	1981.0	1951.4
27.5°	2685.1	2602.9	2520.6	2380.6	2240.6	2115.4	1990.2	1930.6	1871.1	1843.1
30°	2757.6	2635.0	2512.5	2340.1	2167.8	2037.3	1906.8	1851.6	1796.3	1770.3
32.5°	2843.3	2675.4	2507.5	2312.5	2117.5	1994.9	1872.3	1828.9	1785.5	1766.7
35°	2947.3	2741.8	2536.4	2333.2	2130.1	2044.9	1959.7	1949.6	1939.5	1938.0
37.5°	3122.4	2880.7	2639.0	2454.3	2269.7	2264.1	2258.6	2304.9	2351.2	2375.2
40°	3387.0	3124.1	2861.3	2724.0	2586.6	2683.6	2780.5	2893.0	3005.5	3061.5
42.5°	3737.9	3477.1	3216.3	3137.2	3058.1	3269.5	3481.0	3685.6	3890.2	4010.3
45°	4171.3	3937.0	3702.7	3667.8	3632.9	3971.6	4310.3	4646.6	4982.9	5187.0
47.5°	4713.3	4485.4	4257.4	4250.3	4243.3	4731.9	5220.4	5712.6	6204.8	6493.8
50°	5423.7	5142.1	4860.7	4861.9	4863.1	5492.8	6122.5	6772.2	7422.0	7814.8
52.5°	6239.1	5898.2	5557.4	5522.9	5488.4	6240.6	6992.8	7796.7	8600.5	9071.4
55°	7107.3	6770.5	6433.7	6299.3	6165.0	7002.1	7839.2	8797.6	9755.9	10316.0
57.5°	7896.9	7713.5	7530.0	7260.5	6991.1	7836.4	8681.7	9767.2	10852.6	11547.1
60°	8374.1	8659.0	8943.9	8609.2	8274.6	9074.5	9874.4	11036.7	12198.9	12949.4
62.5°	8131.8	8910.1	9688.5	9650.8	9613.0	10345.8	11078.7	12184.4	13290.1	13983.8
65°	7646.8	8377.3	9107.8	9252.4	9396.9	10328.1	11259.5	12331.7	13403.8	13994.5
67.5°	6996.9	7691.7	8386.5	8454.3	8522.0	9492.3	10462.6	11539.4	12616.2	13078.9
70°	6216.1	6971.8	7727.6	7757.9	7788.3	8656.0	9523.6	10450.3	11376.9	11634.1
72.5°	5285.7	6152.9	7020.2	7042.0	7063.7	7742.6	8421.5	9115.5	9809.5	9835.5
75°	4108.7	5006.3	5903.9	5984.5	6065.0	6593.2	7121.4	7610.0	8098.5	7967.6
77.5°	2935.6	3773.5	4611.4	4726.7	4842.1	5243.6	5645.1	5991.6	6338.2	6113.2
80°	1921.3	2626.3	3331.1	3474.5	3617.8	3921.1	4224.2	4406.1	4588.1	4226.1
82.5°	1116.9	1598.8	2080.7	2240.9	2401.0	2609.8	2818.5	2894.4	2970.3	2685.8
85°	491.4	747.2	1002.9	1139.1	1275.3	1446.9	1618.3	1661.4	1704.5	1476.6
87.5°	152.1	238.1	324.1	400.0	476.0	561.8	647.5	651.2	654.8	549.8
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°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
2038.4	2.5°	2035.2	2032.1	2025.7	2019.3	2008.6	1998.0	1990.4	1982.9	1967.7	1952.5
2282.4	5°	2273.8	2265.2	2251.0	2236.9	2210.8	2184.7	2158.4	2132.2	2098.6	2065.0
2515.7	7.5°	2503.2	2490.7	2467.6	2444.4	2406.0	2367.6	2324.9	2282.2	2226.7	2171.3
2667.1	10°	2655.0	2642.8	2615.6	2588.3	2543.3	2498.2	2447.7	2397.2	2327.0	2256.9
2711.3	12.5°	2704.6	2698.0	2678.2	2658.4	2617.8	2577.0	2522.3	2467.6	2390.5	2313.5
2643.2	15°	2650.3	2657.4	2656.7	2656.0	2630.4	2604.8	2557.6	2510.4	2430.1	2349.7
2489.3	17.5°	2515.6	2541.8	2570.5	2599.2	2598.7	2598.2	2566.3	2534.4	2453.0	2371.5
2297.4	20°	2343.4	2389.5	2452.8	2516.0	2549.6	2583.2	2572.1	2560.9	2476.3	2391.6
2122.1	22.5°	2179.7	2237.2	2330.3	2423.3	2493.0	2562.6	2577.1	2591.7	2505.3	2418.7
1981.0	25°	2041.4	2102.0	2215.0	2328.0	2433.7	2539.4	2585.4	2631.3	2546.6	2461.9
1871.1	27.5°	1930.6	1990.2	2115.4	2240.6	2380.6	2520.6	2602.9	2685.1	2604.3	2523.4
1796.3	30°	1851.6	1906.8	2037.3	2167.8	2340.1	2512.5	2635.0	2757.6	2679.5	2601.5
1785.5	32.5°	1828.9	1872.3	1994.9	2117.5	2312.5	2507.5	2675.4	2843.3	2765.9	2688.7
1939.5	35°	1949.6	1959.7	2044.9	2130.1	2333.2	2536.4	2741.8	2947.3	2873.3	2799.2
2351.2	37.5°	2304.9	2258.6	2264.1	2269.7	2454.3	2639.0	2880.7	3122.4	3028.0	2933.6
3005.5	40°	2893.0	2780.5	2683.6	2586.6	2724.0	2861.3	3124.1	3387.0	3249.5	3111.9
3890.2	42.5°	3685.6	3481.0	3269.5	3058.1	3137.2	3216.3	3477.1	3737.9	3539.4	3340.9
4982.9	45°	4646.6	4310.3	3971.6	3632.9	3667.8	3702.7	3937.0	4171.3	3903.5	3635.7
6204.8	47.5°	5712.6	5220.4	4731.9	4243.3	4250.3	4257.4	4485.4	4713.3	4336.4	3959.4
7422.0	50°	6772.2	6122.5	5492.8	4863.1	4861.9	4860.7	5142.1	5423.7	4855.4	4287.1
8600.5	52.5°	7796.7	6992.8	6240.6	5488.4	5522.9	5557.4	5898.2	6239.1	5400.7	4562.2
9755.9	55°	8797.6	7839.2	7002.1	6165.0	6299.3	6433.7	6770.5	7107.3	5884.1	4660.9
10852.6	57.5°	9767.2	8681.7	7836.4	6991.1	7260.5	7530.0	7713.5	7896.9	6226.6	4556.4
12198.9	60°	11036.7	9874.4	9074.5	8274.6	8609.2	8943.9	8659.0	8374.1	6312.3	4250.3
13290.1	62.5°	12184.4	11078.7	10345.8	9613.0	9650.8	9688.5	8910.1	8131.8	5951.8	3771.8
13403.8	65°	12331.7	11259.5	10328.1	9396.9	9252.4	9107.8	8377.3	7646.8	5441.7	3236.6
12616.2	67.5°	11539.4	10462.6	9492.3	8522.0	8454.3	8386.5	7691.7	6996.9	4834.7	2672.5
11376.9	70°	10450.3	9523.6	8656.0	7788.3	7757.9	7727.6	6971.8	6216.1	4172.4	2128.6
9809.5	72.5°	9115.5	8421.5	7742.6	7063.7	7042.0	7020.2	6152.9	5285.7	3454.4	1623.1
8098.5	75°	7610.0	7121.4	6593.2	6065.0	5984.5	5903.9	5006.3	4108.7	2631.3	1153.9
6338.2	77.5°	5991.6	5645.1	5243.6	4842.1	4726.7	4611.4	3773.5	2935.6	1841.7	747.7
4588.1	80°	4406.1	4224.2	3921.1	3617.8	3474.5	3331.1	2626.3	1921.3	1186.5	451.8
2970.3	82.5°	2894.4	2818.5	2609.8	2401.0	2240.9	2080.7	1598.8	1116.9	686.7	256.7
1704.5	85°	1661.4	1618.3	1446.9	1275.3	1139.1	1002.9	747.2	491.4	308.9	126.5
654.8	87.5°	651.2	647.5	561.8	476.0	400.0	324.1	238.1	152.1	101.2	50.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
1936.3	2.5°	1920.1	1903.9	1887.6	1872.0	1856.4	1841.4	1824.6	1811.0	1797.5	1785.3
2031.4	5°	1998.0	1964.2	1930.5	1899.0	1867.6	1837.8	1808.5	1782.9	1757.2	1735.7
2120.1	7.5°	2068.9	2019.0	1969.1	1925.1	1881.2	1840.7	1802.7	1768.6	1734.5	1706.2
2189.2	10°	2121.6	2061.0	2000.4	1948.4	1896.4	1846.3	1805.5	1769.6	1733.6	1705.3
2236.8	12.5°	2160.1	2088.7	2017.2	1958.4	1899.6	1847.0	1809.0	1779.6	1750.3	1731.5
2266.5	15°	2183.3	2101.0	2018.8	1950.7	1882.6	1824.4	1794.0	1779.9	1765.9	1768.4
2280.8	17.5°	2190.0	2094.5	1998.9	1917.1	1835.2	1766.7	1748.0	1753.1	1758.2	1789.1
2291.9	20°	2192.1	2076.4	1960.6	1859.1	1757.7	1677.9	1673.0	1697.0	1721.1	1774.7
2306.9	22.5°	2194.9	2054.1	1913.3	1791.1	1668.9	1578.2	1587.9	1623.5	1659.0	1720.2
2334.0	25°	2206.1	2032.2	1858.4	1715.2	1572.2	1479.1	1505.3	1546.3	1587.4	1642.3
2376.5	27.5°	2229.5	2017.6	1805.6	1645.8	1486.0	1401.3	1433.1	1472.7	1512.4	1557.6
2431.5	30°	2261.4	2010.7	1759.8	1587.8	1415.8	1344.7	1369.7	1401.1	1432.6	1470.1
2488.8	32.5°	2289.0	2002.2	1715.2	1537.8	1360.2	1302.9	1314.0	1332.7	1351.3	1381.2
2554.2	35°	2309.3	1986.2	1663.3	1488.6	1313.9	1266.1	1261.5	1266.6	1271.8	1294.7
2627.5	37.5°	2321.3	1958.8	1596.4	1430.7	1265.1	1223.3	1206.5	1200.8	1195.2	1211.6
2720.4	40°	2328.9	1921.1	1513.4	1361.7	1209.9	1172.0	1146.2	1133.4	1120.6	1132.4
2842.1	42.5°	2343.2	1882.2	1421.3	1285.5	1149.6	1114.7	1082.2	1065.2	1048.2	1057.8
3002.1	45°	2368.5	1846.0	1323.7	1204.5	1085.4	1050.0	1018.5	1001.9	985.5	993.5
3172.6	47.5°	2385.8	1816.2	1246.5	1140.5	1034.4	988.8	961.7	947.8	934.0	941.6
3330.8	50°	2374.5	1783.6	1192.8	1098.0	1003.2	943.2	911.7	899.4	887.1	899.0
3433.6	52.5°	2304.8	1728.7	1152.6	1069.9	987.4	918.4	874.4	862.2	850.1	868.0
3410.9	55°	2160.8	1637.5	1114.2	1049.6	985.0	920.9	854.6	835.3	816.1	841.5
3251.6	57.5°	1946.8	1509.0	1071.2	1025.6	979.9	923.3	842.7	814.7	786.6	814.0
2955.0	60°	1659.8	1342.2	1024.7	988.8	952.9	915.6	831.5	795.2	758.8	782.8
2554.1	62.5°	1336.4	1142.5	948.7	924.8	901.1	896.5	818.5	773.1	727.7	742.9
2145.0	65°	1053.4	962.9	872.4	861.1	849.9	850.5	791.0	742.8	694.5	700.3
1744.2	67.5°	815.9	790.3	764.5	770.8	777.0	775.5	742.1	701.9	661.7	659.9
1373.3	70°	618.0	625.4	632.7	661.8	690.9	690.9	679.9	651.4	622.8	616.4
1049.9	72.5°	476.7	498.9	521.1	562.4	603.7	610.6	610.7	591.2	571.6	562.2
762.0	75°	370.2	390.3	410.4	456.6	502.9	534.9	532.2	517.1	502.0	493.1
516.4	77.5°	285.0	298.7	312.4	357.3	402.2	454.9	453.5	441.4	429.3	420.3
332.7	80°	213.7	219.3	225.0	263.1	301.1	364.0	363.8	353.7	343.5	335.9
204.6	82.5°	152.7	153.7	154.8	182.8	210.8	264.6	267.6	262.6	257.7	252.3
109.4	85°	92.3	91.8	91.3	111.8	132.3	172.3	176.2	170.9	165.6	159.6
45.4	87.5°	40.5	40.0	39.5	47.8	56.2	72.9	77.8	75.7	73.6	72.5
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°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
1773.1	2.5°	1762.4	1751.7	1741.0	1730.3	1722.0	1713.7	1706.9	1700.2	1695.0	1689.8
1714.2	5°	1695.3	1676.3	1659.1	1641.8	1628.6	1615.3	1606.0	1596.8	1590.2	1583.6
1677.9	7.5°	1654.1	1630.2	1609.1	1588.1	1572.3	1556.6	1545.6	1534.5	1526.9	1519.4
1677.0	10°	1651.3	1625.6	1601.9	1578.2	1559.4	1540.5	1528.1	1515.7	1508.5	1501.4
1712.8	12.5°	1692.6	1672.5	1647.9	1623.5	1599.4	1575.3	1559.4	1543.5	1535.5	1527.6
1771.0	15°	1765.7	1760.5	1739.2	1717.9	1683.7	1649.4	1625.2	1601.0	1589.9	1578.9
1819.9	17.5°	1836.4	1852.7	1835.5	1818.4	1773.0	1727.7	1692.0	1656.4	1639.9	1623.5
1828.3	20°	1862.6	1896.9	1889.0	1881.0	1829.1	1777.3	1733.6	1690.0	1668.9	1647.9
1781.4	22.5°	1826.1	1870.7	1875.6	1880.3	1830.8	1781.2	1736.2	1691.2	1669.0	1646.8
1697.4	25°	1741.3	1785.3	1801.7	1818.0	1777.4	1736.9	1696.8	1656.9	1637.7	1618.5
1602.7	27.5°	1638.0	1673.2	1691.4	1709.8	1680.8	1652.0	1620.9	1589.8	1577.0	1564.0
1507.6	30°	1536.9	1566.1	1581.0	1595.9	1573.9	1551.8	1529.6	1507.2	1500.6	1494.0
1411.2	32.5°	1439.2	1467.3	1483.8	1500.3	1480.1	1459.8	1442.0	1424.3	1420.0	1415.6
1317.4	35°	1345.2	1373.0	1392.8	1412.6	1398.2	1383.8	1367.4	1351.1	1344.5	1338.0
1227.9	37.5°	1255.6	1283.3	1307.8	1332.3	1325.6	1319.0	1303.9	1288.8	1276.8	1264.9
1144.2	40°	1171.0	1197.7	1225.9	1254.1	1255.7	1257.3	1244.5	1231.7	1214.3	1197.0
1067.5	42.5°	1092.9	1118.3	1148.7	1179.1	1187.3	1195.4	1184.6	1173.8	1152.2	1130.7
1001.7	45°	1025.8	1049.8	1081.4	1113.0	1124.6	1136.3	1126.5	1116.9	1092.2	1067.5
949.2	47.5°	972.7	996.2	1027.4	1058.5	1071.9	1085.4	1078.6	1071.8	1049.8	1027.9
911.0	50°	933.2	955.3	983.2	1011.1	1028.3	1045.6	1045.2	1044.9	1027.4	1009.8
885.8	52.5°	906.2	926.5	952.5	978.5	999.0	1019.4	1023.1	1026.8	1012.5	998.2
866.9	55°	888.8	910.7	933.5	956.2	977.9	999.6	1004.7	1009.8	997.4	984.9
841.3	57.5°	867.0	892.8	915.3	937.8	959.7	981.5	986.7	991.8	979.2	966.6
806.7	60°	836.3	865.9	888.7	911.7	933.6	955.5	961.2	966.9	954.5	942.3
758.1	62.5°	792.6	827.1	851.5	875.9	896.0	916.1	921.6	927.0	915.9	904.8
706.1	65°	743.1	780.1	803.4	826.8	844.5	862.1	867.7	873.2	862.6	851.9
658.0	67.5°	692.1	726.3	748.4	770.5	785.8	801.1	806.5	811.9	802.1	792.3
610.0	70°	640.0	670.0	689.1	708.2	722.0	735.8	741.1	746.3	738.3	730.3
552.9	72.5°	576.6	600.1	617.4	634.7	648.2	661.7	667.9	674.1	667.5	660.8
484.1	75°	501.6	519.2	534.8	550.5	562.8	575.1	581.6	588.1	584.9	581.6
411.2	77.5°	425.5	439.7	453.2	466.6	479.6	492.4	498.5	504.6	500.1	495.4
328.3	80°	340.2	352.0	363.3	374.6	384.5	394.2	402.3	410.4	408.4	406.5
246.9	82.5°	245.9	245.0	241.0	237.0	258.0	278.9	292.6	306.4	305.5	304.6
153.5	85°	148.4	143.3	132.3	121.3	140.9	160.6	177.6	194.6	193.2	191.7
71.3	87.5°	71.1	70.9	62.5	54.1	62.3	70.6	77.5	84.3	82.6	80.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
1684.9	2.5°	1680.1	1674.0	1680.1	1684.9	1689.8	1695.0	1700.2	1706.9	1713.7	1722.0
1578.6	5°	1573.6	1568.6	1573.6	1578.6	1583.6	1590.2	1596.8	1606.0	1615.3	1628.6
1514.9	7.5°	1510.5	1507.1	1510.5	1514.9	1519.4	1526.9	1534.5	1545.6	1556.6	1572.3
1497.6	10°	1493.8	1492.2	1493.8	1497.6	1501.4	1508.5	1515.7	1528.1	1540.5	1559.4
1524.3	12.5°	1521.1	1520.5	1521.1	1524.3	1527.6	1535.5	1543.5	1559.4	1575.3	1599.4
1574.6	15°	1570.4	1570.0	1570.4	1574.6	1578.9	1589.9	1601.0	1625.2	1649.4	1683.7
1618.1	17.5°	1612.6	1611.8	1612.6	1618.1	1623.5	1639.9	1656.4	1692.0	1727.7	1773.0
1641.1	20°	1634.4	1632.3	1634.4	1641.1	1647.9	1668.9	1690.0	1733.6	1777.3	1829.1
1639.4	22.5°	1631.9	1628.8	1631.9	1639.4	1646.8	1669.0	1691.2	1736.2	1781.2	1830.8
1611.5	25°	1604.6	1600.5	1604.6	1611.5	1618.5	1637.7	1656.9	1696.8	1736.9	1777.4
1560.8	27.5°	1557.7	1556.6	1557.7	1560.8	1564.0	1577.0	1589.8	1620.9	1652.0	1680.8
1494.0	30°	1494.0	1495.0	1494.0	1494.0	1494.0	1500.6	1507.2	1529.6	1551.8	1573.9
1416.2	32.5°	1416.9	1417.9	1416.9	1416.2	1415.6	1420.0	1424.3	1442.0	1459.8	1480.1
1336.5	35°	1335.1	1334.4	1335.1	1336.5	1338.0	1344.5	1351.1	1367.4	1383.8	1398.2
1258.6	37.5°	1252.3	1248.8	1252.3	1258.6	1264.9	1276.8	1288.8	1303.9	1319.0	1325.6
1185.3	40°	1173.7	1166.7	1173.7	1185.3	1197.0	1214.3	1231.7	1244.5	1257.3	1255.7
1113.6	42.5°	1096.5	1085.4	1096.5	1113.6	1130.7	1152.2	1173.8	1184.6	1195.4	1187.3
1047.5	45°	1027.5	1014.6	1027.5	1047.5	1067.5	1092.2	1116.9	1126.5	1136.3	1124.6
1009.4	47.5°	990.9	978.5	990.9	1009.4	1027.9	1049.8	1071.8	1078.6	1085.4	1071.9
992.7	50°	975.6	963.7	975.6	992.7	1009.8	1027.4	1044.9	1045.2	1045.6	1028.3
982.8	52.5°	967.6	956.6	967.6	982.8	998.2	1012.5	1026.8	1023.1	1019.4	999.0
971.5	55°	958.0	948.1	958.0	971.5	984.9	997.4	1009.8	1004.7	999.6	977.9
953.3	57.5°	940.0	929.7	940.0	953.3	966.6	979.2	991.8	986.7	981.5	959.7
928.6	60°	914.9	904.2	914.9	928.6	942.3	954.5	966.9	961.2	955.5	933.6
890.4	62.5°	875.9	863.2	875.9	890.4	904.8	915.9	927.0	921.6	916.1	896.0
837.9	65°	823.9	813.0	823.9	837.9	851.9	862.6	873.2	867.7	862.1	844.5
779.3	67.5°	766.3	756.4	766.3	779.3	792.3	802.1	811.9	806.5	801.1	785.8
717.9	70°	705.4	694.1	705.4	717.9	730.3	738.3	746.3	741.1	735.8	722.0
649.0	72.5°	637.1	626.2	637.1	649.0	660.8	667.5	674.1	667.9	661.7	648.2
571.6	75°	561.6	551.2	561.6	571.6	581.6	584.9	588.1	581.6	575.1	562.8
485.4	77.5°	475.3	467.0	475.3	485.4	495.4	500.1	504.6	498.5	492.4	479.6
393.0	80°	379.4	363.7	379.4	393.0	406.5	408.4	410.4	402.3	394.2	384.5
293.2	82.5°	281.7	271.7	281.7	293.2	304.6	305.5	306.4	292.6	278.9	258.0
182.8	85°	173.9	164.9	173.9	182.8	191.7	193.2	194.6	177.6	160.6	140.9
76.3	87.5°	71.6	67.2	71.6	76.3	80.8	82.6	84.3	77.5	70.6	62.3
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°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
1730.3	2.5°	1741.0	1751.7	1762.4	1773.1	1785.3	1797.5	1811.0	1824.6	1841.4	1856.4
1641.8	5°	1659.1	1676.3	1695.3	1714.2	1735.7	1757.2	1782.9	1808.5	1837.8	1867.6
1588.1	7.5°	1609.1	1630.2	1654.1	1677.9	1706.2	1734.5	1768.6	1802.7	1840.7	1881.2
1578.2	10°	1601.9	1625.6	1651.3	1677.0	1705.3	1733.6	1769.6	1805.5	1846.3	1896.4
1623.5	12.5°	1647.9	1672.5	1692.6	1712.8	1731.5	1750.3	1779.6	1809.0	1847.0	1899.6
1717.9	15°	1739.2	1760.5	1765.7	1771.0	1768.4	1765.9	1779.9	1794.0	1824.4	1882.6
1818.4	17.5°	1835.5	1852.7	1836.4	1819.9	1789.1	1758.2	1753.1	1748.0	1766.7	1835.2
1881.0	20°	1889.0	1896.9	1862.6	1828.3	1774.7	1721.1	1697.0	1673.0	1677.9	1757.7
1880.3	22.5°	1875.6	1870.7	1826.1	1781.4	1720.2	1659.0	1623.5	1587.9	1578.2	1668.9
1818.0	25°	1801.7	1785.3	1741.3	1697.4	1642.3	1587.4	1546.3	1505.3	1479.1	1572.2
1709.8	27.5°	1691.4	1673.2	1638.0	1602.7	1557.6	1512.4	1472.7	1433.1	1401.3	1486.0
1595.9	30°	1581.0	1566.1	1536.9	1507.6	1470.1	1432.6	1401.1	1369.7	1344.7	1415.8
1500.3	32.5°	1483.8	1467.3	1439.2	1411.2	1381.2	1351.3	1332.7	1314.0	1302.9	1360.2
1412.6	35°	1392.8	1373.0	1345.2	1317.4	1294.7	1271.8	1266.6	1261.5	1266.1	1313.9
1332.3	37.5°	1307.8	1283.3	1255.6	1227.9	1211.6	1195.2	1200.8	1206.5	1223.3	1265.1
1254.1	40°	1225.9	1197.7	1171.0	1144.2	1132.4	1120.6	1133.4	1146.2	1172.0	1209.9
1179.1	42.5°	1148.7	1118.3	1092.9	1067.5	1057.8	1048.2	1065.2	1082.2	1114.7	1149.6
1113.0	45°	1081.4	1049.8	1025.8	1001.7	993.5	985.5	1001.9	1018.5	1050.0	1085.4
1058.5	47.5°	1027.4	996.2	972.7	949.2	941.6	934.0	947.8	961.7	988.8	1034.4
1011.1	50°	983.2	955.3	933.2	911.0	899.0	887.1	899.4	911.7	943.2	1003.2
978.5	52.5°	952.5	926.5	906.2	885.8	868.0	850.1	862.2	874.4	918.4	987.4
956.2	55°	933.5	910.7	888.8	866.9	841.5	816.1	835.3	854.6	920.9	985.0
937.8	57.5°	915.3	892.8	867.0	841.3	814.0	786.6	814.7	842.7	923.3	979.9
911.7	60°	888.7	865.9	836.3	806.7	782.8	758.8	795.2	831.5	915.6	952.9
875.9	62.5°	851.5	827.1	792.6	758.1	742.9	727.7	773.1	818.5	896.5	901.1
826.8	65°	803.4	780.1	743.1	706.1	700.3	694.5	742.8	791.0	850.5	849.9
770.5	67.5°	748.4	726.3	692.1	658.0	659.9	661.7	701.9	742.1	775.5	777.0
708.2	70°	689.1	670.0	640.0	610.0	616.4	622.8	651.4	679.9	690.9	690.9
634.7	72.5°	617.4	600.1	576.6	552.9	562.2	571.6	591.2	610.7	610.6	603.7
550.5	75°	534.8	519.2	501.6	484.1	493.1	502.0	517.1	532.2	534.9	502.9
466.6	77.5°	453.2	439.7	425.5	411.2	420.3	429.3	441.4	453.5	454.9	402.2
374.6	80°	363.3	352.0	340.2	328.3	335.9	343.5	353.7	363.8	364.0	301.1
237.0	82.5°	241.0	245.0	245.9	246.9	252.3	257.7	262.6	267.6	264.6	210.8
121.3	85°	132.3	143.3	148.4	153.5	159.6	165.6	170.9	176.2	172.3	132.3
54.1	87.5°	62.5	70.9	71.1	71.3	72.5	73.6	75.7	77.8	72.9	56.2
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°
1843.9	0°	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9	1843.9
1872.0	2.5°	1887.6	1903.9	1920.1	1936.3	1952.5	1967.7	1982.9
1899.0	5°	1930.5	1964.2	1998.0	2031.4	2065.0	2098.6	2132.2
1925.1	7.5°	1969.1	2019.0	2068.9	2120.1	2171.3	2226.7	2282.2
1948.4	10°	2000.4	2061.0	2121.6	2189.2	2256.9	2327.0	2397.2
1958.4	12.5°	2017.2	2088.7	2160.1	2236.8	2313.5	2390.5	2467.6
1950.7	15°	2018.8	2101.0	2183.3	2266.5	2349.7	2430.1	2510.4
1917.1	17.5°	1998.9	2094.5	2190.0	2280.8	2371.5	2453.0	2534.4
1859.1	20°	1960.6	2076.4	2192.1	2291.9	2391.6	2476.3	2560.9
1791.1	22.5°	1913.3	2054.1	2194.9	2306.9	2418.7	2505.3	2591.7
1715.2	25°	1858.4	2032.2	2206.1	2334.0	2461.9	2546.6	2631.3
1645.8	27.5°	1805.6	2017.6	2229.5	2376.5	2523.4	2604.3	2685.1
1587.8	30°	1759.8	2010.7	2261.4	2431.5	2601.5	2679.5	2757.6
1537.8	32.5°	1715.2	2002.2	2289.0	2488.8	2688.7	2765.9	2843.3
1488.6	35°	1663.3	1986.2	2309.3	2554.2	2799.2	2873.3	2947.3
1430.7	37.5°	1596.4	1958.8	2321.3	2627.5	2933.6	3028.0	3122.4
1361.7	40°	1513.4	1921.1	2328.9	2720.4	3111.9	3249.5	3387.0
1285.5	42.5°	1421.3	1882.2	2343.2	2842.1	3340.9	3539.4	3737.9
1204.5	45°	1323.7	1846.0	2368.5	3002.1	3635.7	3903.5	4171.3
1140.5	47.5°	1246.5	1816.2	2385.8	3172.6	3959.4	4336.4	4713.3
1098.0	50°	1192.8	1783.6	2374.5	3330.8	4287.1	4855.4	5423.7
1069.9	52.5°	1152.6	1728.7	2304.8	3433.6	4562.2	5400.7	6239.1
1049.6	55°	1114.2	1637.5	2160.8	3410.9	4660.9	5884.1	7107.3
1025.6	57.5°	1071.2	1509.0	1946.8	3251.6	4556.4	6226.6	7896.9
988.8	60°	1024.7	1342.2	1659.8	2955.0	4250.3	6312.3	8374.1
924.8	62.5°	948.7	1142.5	1336.4	2554.1	3771.8	5951.8	8131.8
861.1	65°	872.4	962.9	1053.4	2145.0	3236.6	5441.7	7646.8
770.8	67.5°	764.5	790.3	815.9	1744.2	2672.5	4834.7	6996.9
661.8	70°	632.7	625.4	618.0	1373.3	2128.6	4172.4	6216.1
562.4	72.5°	521.1	498.9	476.7	1049.9	1623.1	3454.4	5285.7
456.6	75°	410.4	390.3	370.2	762.0	1153.9	2631.3	4108.7
357.3	77.5°	312.4	298.7	285.0	516.4	747.7	1841.7	2935.6
263.1	80°	225.0	219.3	213.7	332.7	451.8	1186.5	1921.3
182.8	82.5°	154.8	153.7	152.7	204.6	256.7	686.7	1116.9
111.8	85°	91.3	91.8	92.3	109.4	126.5	308.9	491.4
47.8	87.5°	39.5	40.0	40.5	45.4	50.2	101.2	152.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)