

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: P949439

Luminaire Tested: **GALN-SB4A-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949439
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-SB4A-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12981 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

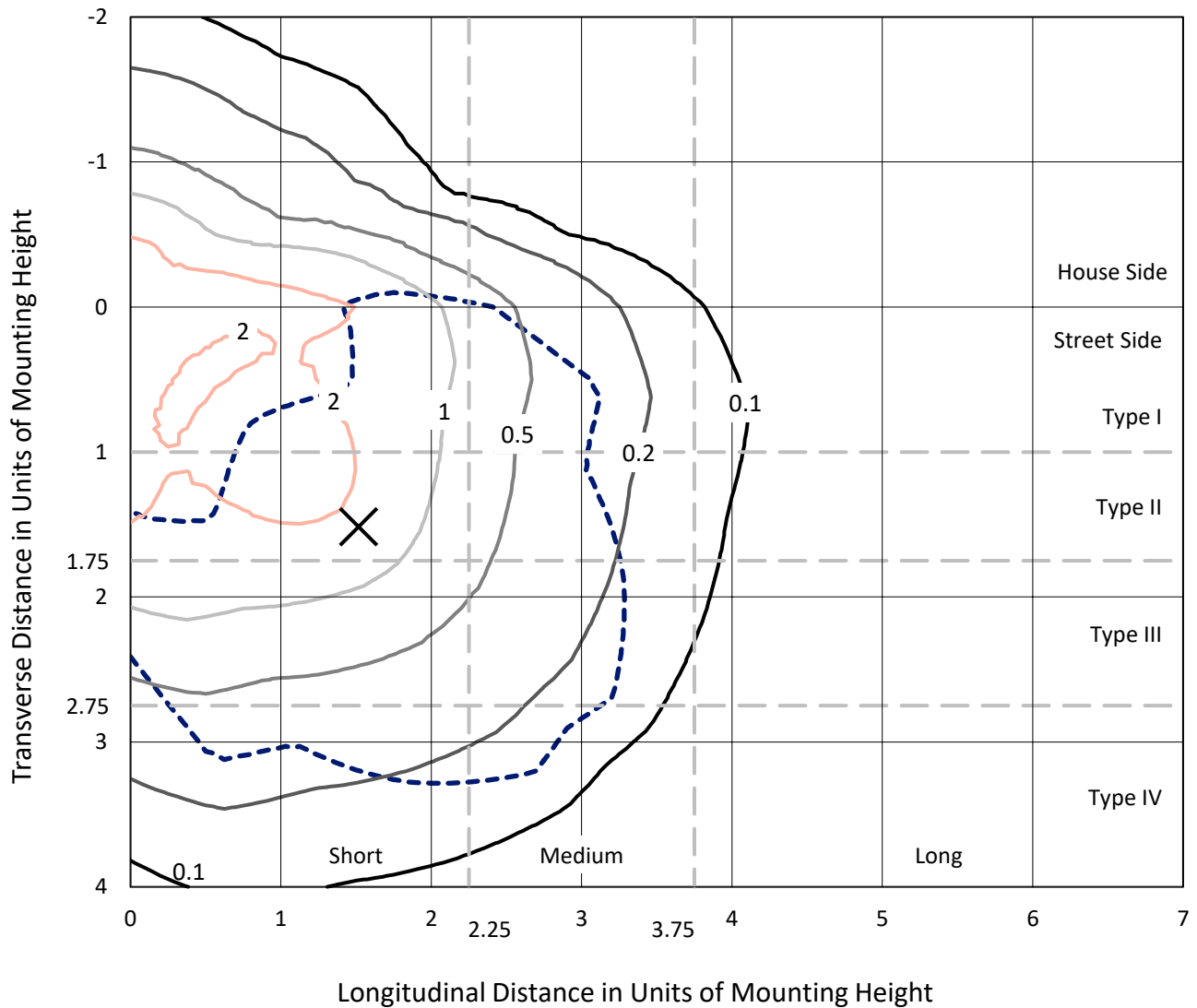
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

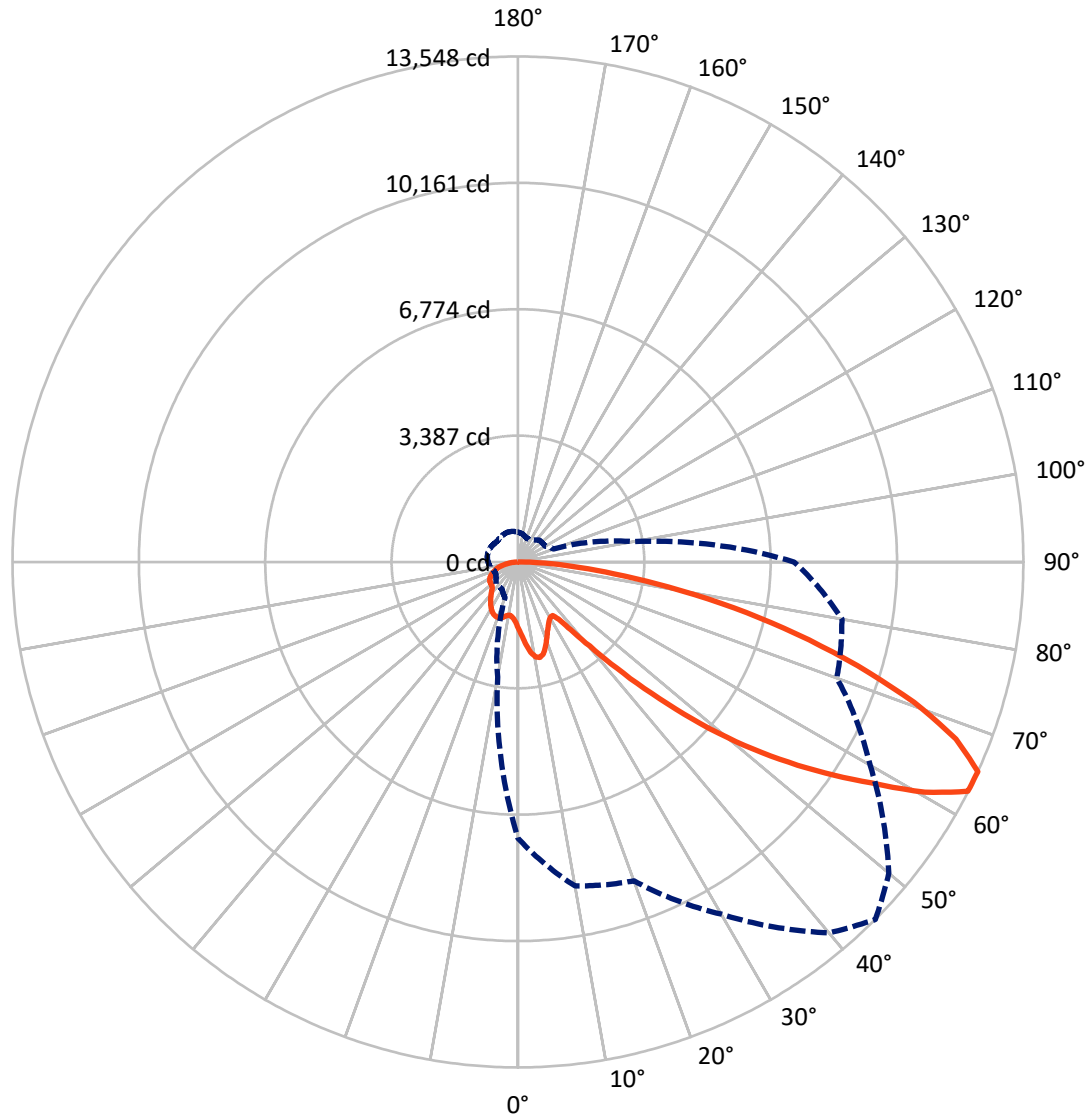
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	3299.1	0.0	3299.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	9681.9	0.0	9681.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	12981.0	0.0	12981.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	1.4
10°-20°	555.9	4.3
20°-30°	858.6	6.6
30°-40°	1088.1	8.4
40°-50°	1641.1	12.6
50°-60°	2651.4	20.4
60°-70°	3305.4	25.5
70°-80°	2167.5	16.7
80°-90°	535.9	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°	12981.0	100.0
0°-180°	12981.0	100.0



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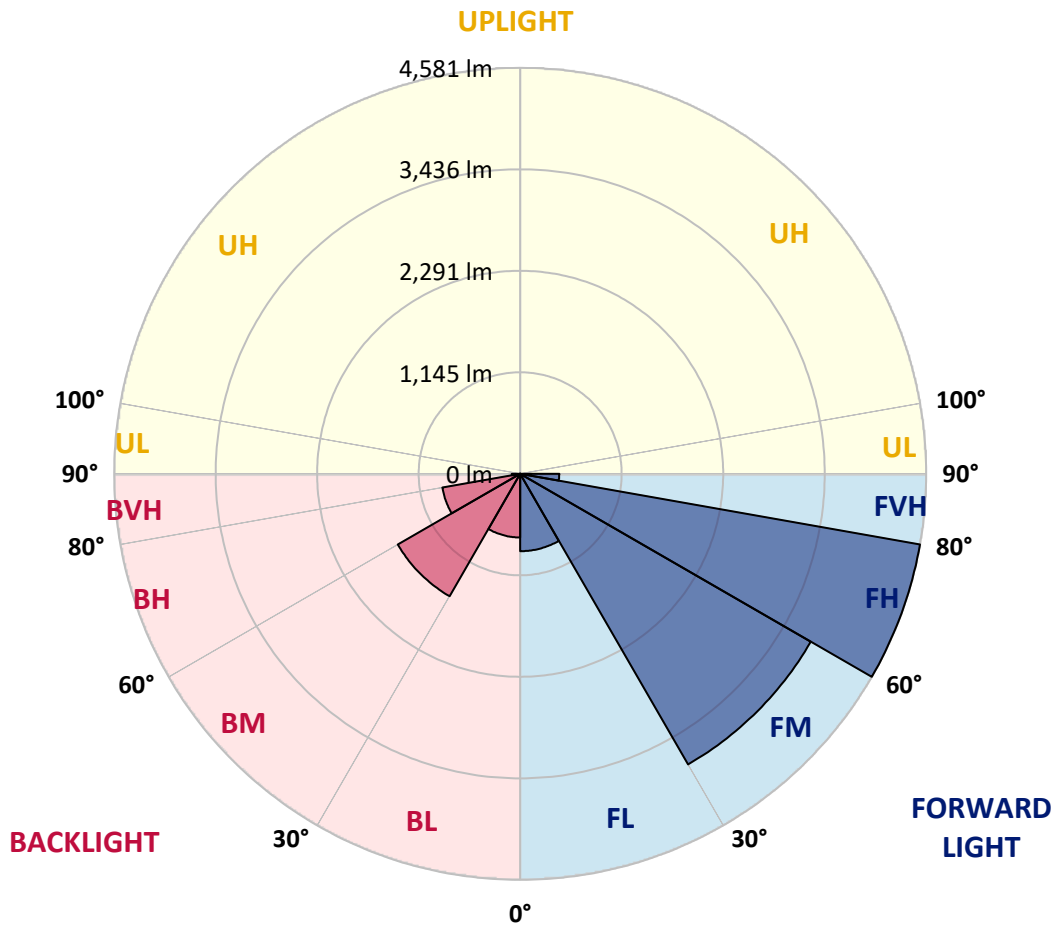
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	873.1	6.7			
FM (30°-60°)	3786.3	29.2			
FH (60°-80°)	4581.1	35.3			G2/5000
FVH (80°-90°)	441.4	3.4			G3/500
BL (0°-30°)	718.4	5.5	B2/1000		
BM (30°-60°)	1594.3	12.3	B2/2500		
BH (60°-80°)	891.9	6.9	B2/1000		G2/1000
BVH (80°-90°)	94.4	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°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
2.5°	1919.6	1926.9	1934.2	1944.5	1954.9	1961.0	1967.2	1970.3	1973.4	1972.0
5°	2064.1	2089.5	2115.0	2140.2	2165.5	2179.2	2192.9	2201.2	2209.5	2215.8
7.5°	2209.3	2250.7	2292.0	2329.2	2366.4	2388.8	2411.2	2423.3	2435.4	2441.2
10°	2320.6	2369.5	2418.4	2462.1	2505.7	2532.2	2558.5	2570.2	2581.9	2586.4
12.5°	2388.8	2441.8	2494.8	2534.2	2573.5	2592.7	2611.9	2618.3	2624.8	2625.4
15°	2430.2	2476.0	2521.7	2546.4	2571.2	2571.9	2572.6	2565.7	2558.9	2550.8
17.5°	2453.5	2484.4	2515.3	2515.8	2516.2	2488.5	2460.7	2435.3	2409.8	2391.9
20°	2479.2	2490.0	2500.8	2468.2	2435.7	2374.5	2313.2	2268.6	2224.1	2196.7
22.5°	2509.0	2494.9	2480.8	2413.4	2346.0	2255.9	2165.8	2110.1	2054.3	2024.0
25°	2547.4	2502.8	2458.3	2356.0	2253.6	2144.3	2034.9	1976.2	1917.7	1889.1
27.5°	2599.4	2519.8	2440.2	2304.6	2169.1	2047.9	1926.6	1869.0	1811.4	1784.3
30°	2669.6	2550.9	2432.3	2265.4	2098.6	1972.3	1846.0	1792.5	1739.0	1713.8
32.5°	2752.5	2590.0	2427.5	2238.7	2049.9	1931.2	1812.5	1770.5	1728.5	1710.3
35°	2853.2	2654.3	2455.4	2258.7	2062.1	1979.6	1897.2	1887.4	1877.6	1876.1
37.5°	3022.7	2788.7	2554.8	2376.0	2197.2	2191.9	2186.5	2231.3	2276.1	2299.4
40°	3278.9	3024.4	2770.0	2637.0	2504.1	2597.9	2691.7	2800.7	2909.6	2963.8
42.5°	3618.6	3366.2	3113.7	3037.1	2960.5	3165.2	3369.9	3567.9	3766.0	3882.3
45°	4038.2	3811.4	3584.5	3550.8	3516.9	3844.8	4172.8	4498.3	4823.8	5021.4
47.5°	4562.8	4342.2	4121.5	4114.7	4107.8	4580.9	5053.8	5530.3	6006.7	6286.5
50°	5250.5	4978.0	4705.5	4706.7	4707.9	5317.5	5927.1	6556.1	7185.1	7565.4
52.5°	6040.0	5709.9	5380.0	5346.6	5313.2	6041.4	6769.6	7547.8	8326.0	8781.8
55°	6880.4	6554.4	6228.3	6098.2	5968.2	6778.6	7589.0	8516.8	9444.5	9986.7
57.5°	7644.8	7467.3	7289.7	7028.8	6767.9	7586.2	8404.6	9455.4	10506.2	11178.5
60°	8106.8	8382.6	8658.4	8334.4	8010.4	8784.9	9559.3	10684.4	11809.5	12536.1
62.5°	7872.2	8625.7	9379.3	9342.8	9306.2	10015.6	10725.1	11795.5	12865.9	13537.5
65°	7402.7	8109.9	8817.1	8957.1	9096.9	9998.5	10900.1	11938.1	12976.0	13547.8
67.5°	6773.5	7446.2	8118.8	8184.4	8250.0	9189.3	10128.6	11171.0	12213.5	12661.4
70°	6017.7	6749.3	7481.0	7510.3	7539.7	8379.7	9219.7	10116.8	11013.8	11262.8
72.5°	5117.0	5956.5	6796.1	6817.2	6838.3	7495.5	8152.7	8824.6	9496.4	9521.6
75°	3977.5	4846.5	5715.4	5793.4	5871.5	6382.8	6894.1	7367.1	7840.0	7713.3
77.5°	2841.9	3653.0	4464.2	4575.9	4687.5	5076.2	5464.9	5800.4	6135.8	5918.0
80°	1860.0	2542.4	3224.8	3363.6	3502.3	3795.9	4089.3	4265.5	4441.6	4091.3
82.5°	1081.2	1547.7	2014.3	2169.3	2324.4	2526.5	2728.5	2802.0	2875.5	2600.1
85°	475.7	723.3	970.9	1102.8	1234.6	1400.7	1566.6	1608.3	1650.1	1429.5
87.5°	147.3	230.5	313.7	387.3	460.8	543.9	626.9	630.4	633.9	532.2
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1973.4	2.5°	1970.3	1967.2	1961.0	1954.9	1944.5	1934.2	1926.9	1919.6	1904.9	1890.1
2209.5	5°	2201.2	2192.9	2179.2	2165.5	2140.2	2115.0	2089.5	2064.1	2031.6	1999.0
2435.4	7.5°	2423.3	2411.2	2388.8	2366.4	2329.2	2292.0	2250.7	2209.3	2155.6	2102.0
2581.9	10°	2570.2	2558.5	2532.2	2505.7	2462.1	2418.4	2369.5	2320.6	2252.8	2184.9
2624.8	12.5°	2618.3	2611.9	2592.7	2573.5	2534.2	2494.8	2441.8	2388.8	2314.2	2239.7
2558.9	15°	2565.7	2572.6	2571.9	2571.2	2546.4	2521.7	2476.0	2430.2	2352.5	2274.7
2409.8	17.5°	2435.3	2460.7	2488.5	2516.2	2515.8	2515.3	2484.4	2453.5	2374.7	2295.8
2224.1	20°	2268.6	2313.2	2374.5	2435.7	2468.2	2500.8	2490.0	2479.2	2397.3	2315.3
2054.3	22.5°	2110.1	2165.8	2255.9	2346.0	2413.4	2480.8	2494.9	2509.0	2425.3	2341.5
1917.7	25°	1976.2	2034.9	2144.3	2253.6	2356.0	2458.3	2502.8	2547.4	2465.3	2383.3
1811.4	27.5°	1869.0	1926.6	2047.9	2169.1	2304.6	2440.2	2519.8	2599.4	2521.2	2442.9
1739.0	30°	1792.5	1846.0	1972.3	2098.6	2265.4	2432.3	2550.9	2669.6	2594.0	2518.5
1728.5	32.5°	1770.5	1812.5	1931.2	2049.9	2238.7	2427.5	2590.0	2752.5	2677.6	2602.8
1877.6	35°	1887.4	1897.2	1979.6	2062.1	2258.7	2455.4	2654.3	2853.2	2781.5	2709.8
2276.1	37.5°	2231.3	2186.5	2191.9	2197.2	2376.0	2554.8	2788.7	3022.7	2931.3	2840.0
2909.6	40°	2800.7	2691.7	2597.9	2504.1	2637.0	2770.0	3024.4	3278.9	3145.7	3012.6
3766.0	42.5°	3567.9	3369.9	3165.2	2960.5	3037.1	3113.7	3366.2	3618.6	3426.4	3234.2
4823.8	45°	4498.3	4172.8	3844.8	3516.9	3550.8	3584.5	3811.4	4038.2	3778.9	3519.7
6006.7	47.5°	5530.3	5053.8	4580.9	4107.8	4114.7	4121.5	4342.2	4562.8	4198.0	3833.0
7185.1	50°	6556.1	5927.1	5317.5	4707.9	4706.7	4705.5	4978.0	5250.5	4700.5	4150.3
8326.0	52.5°	7547.8	6769.6	6041.4	5313.2	5346.6	5380.0	5709.9	6040.0	5228.3	4416.6
9444.5	55°	8516.8	7589.0	6778.6	5968.2	6098.2	6228.3	6554.4	6880.4	5696.2	4512.2
10506.2	57.5°	9455.4	8404.6	7586.2	6767.9	7028.8	7289.7	7467.3	7644.8	6027.9	4411.0
11809.5	60°	10684.4	9559.3	8784.9	8010.4	8334.4	8658.4	8382.6	8106.8	6110.8	4114.7
12865.9	62.5°	11795.5	10725.1	10015.6	9306.2	9342.8	9379.3	8625.7	7872.2	5761.8	3651.4
12976.0	65°	11938.1	10900.1	9998.5	9096.9	8957.1	8817.1	8109.9	7402.7	5268.0	3133.3
12213.5	67.5°	11171.0	10128.6	9189.3	8250.0	8184.4	8118.8	7446.2	6773.5	4680.4	2587.2
11013.8	70°	10116.8	9219.7	8379.7	7539.7	7510.3	7481.0	6749.3	6017.7	4039.2	2060.7
9496.4	72.5°	8824.6	8152.7	7495.5	6838.3	6817.2	6796.1	5956.5	5117.0	3344.1	1571.3
7840.0	75°	7367.1	6894.1	6382.8	5871.5	5793.4	5715.4	4846.5	3977.5	2547.3	1117.0
6135.8	77.5°	5800.4	5464.9	5076.2	4687.5	4575.9	4464.2	3653.0	2841.9	1782.9	723.9
4441.6	80°	4265.5	4089.3	3795.9	3502.3	3363.6	3224.8	2542.4	1860.0	1148.7	437.3
2875.5	82.5°	2802.0	2728.5	2526.5	2324.4	2169.3	2014.3	1547.7	1081.2	664.8	248.5
1650.1	85°	1608.3	1566.6	1400.7	1234.6	1102.8	970.9	723.3	475.7	299.1	122.5
633.9	87.5°	630.4	626.9	543.9	460.8	387.3	313.7	230.5	147.3	97.9	48.6
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1874.5	2.5°	1858.8	1843.1	1827.3	1812.3	1797.2	1782.6	1766.4	1753.2	1740.1	1728.3
1966.6	5°	1934.2	1901.5	1868.9	1838.4	1807.9	1779.2	1750.8	1726.0	1701.1	1680.3
2052.4	7.5°	2002.8	1954.5	1906.2	1863.7	1821.2	1781.9	1745.1	1712.1	1679.2	1651.8
2119.3	10°	2053.8	1995.2	1936.5	1886.2	1835.8	1787.4	1747.9	1713.1	1678.3	1650.9
2165.4	12.5°	2091.2	2022.0	1952.8	1895.9	1839.0	1788.1	1751.3	1722.8	1694.4	1676.2
2194.2	15°	2113.6	2034.0	1954.3	1888.4	1822.5	1766.2	1736.7	1723.1	1709.5	1712.0
2208.0	17.5°	2120.1	2027.6	1935.1	1855.9	1776.6	1710.3	1692.2	1697.2	1702.1	1732.0
2218.7	20°	2122.1	2010.1	1898.0	1799.8	1701.6	1624.4	1619.6	1642.9	1666.2	1718.0
2233.2	22.5°	2124.9	1988.6	1852.3	1734.0	1615.7	1527.8	1537.2	1571.6	1606.1	1665.3
2259.5	25°	2135.7	1967.3	1799.0	1660.5	1522.0	1431.9	1457.2	1497.0	1536.7	1589.9
2300.6	27.5°	2158.3	1953.2	1748.0	1593.3	1438.5	1356.6	1387.4	1425.7	1464.1	1507.9
2353.9	30°	2189.3	1946.5	1703.6	1537.1	1370.6	1301.8	1325.9	1356.4	1386.9	1423.2
2409.4	32.5°	2216.0	1938.3	1660.5	1488.7	1316.8	1261.3	1272.1	1290.1	1308.1	1337.1
2472.7	35°	2235.6	1922.8	1610.2	1441.1	1272.0	1225.7	1221.3	1226.2	1231.2	1253.3
2543.6	37.5°	2247.2	1896.3	1545.4	1385.1	1224.7	1184.3	1168.0	1162.5	1157.0	1172.9
2633.6	40°	2254.5	1859.8	1465.1	1318.2	1171.3	1134.6	1109.6	1097.2	1084.8	1096.3
2751.3	42.5°	2268.4	1822.1	1375.9	1244.4	1112.9	1079.2	1047.6	1031.2	1014.8	1024.1
2906.3	45°	2292.9	1787.1	1281.4	1166.1	1050.7	1016.5	986.0	970.0	954.0	961.8
3071.3	47.5°	2309.7	1758.2	1206.8	1104.1	1001.4	957.2	931.0	917.6	904.1	911.5
3224.5	50°	2298.7	1726.7	1154.7	1062.9	971.1	913.0	882.6	870.6	858.8	870.3
3324.0	52.5°	2231.2	1673.5	1115.8	1035.8	955.9	889.1	846.5	834.7	823.0	840.3
3302.0	55°	2091.9	1585.3	1078.7	1016.1	953.6	891.5	827.3	808.7	790.1	814.7
3147.8	57.5°	1884.7	1460.9	1037.0	992.8	948.7	893.9	815.8	788.7	761.5	788.0
2860.7	60°	1606.8	1299.4	992.0	957.2	922.5	886.3	805.0	769.8	734.6	757.8
2472.6	62.5°	1293.7	1106.1	918.4	895.3	872.3	867.8	792.4	748.4	704.5	719.2
2076.5	65°	1019.8	932.2	844.6	833.7	822.8	823.3	765.8	719.1	672.3	678.0
1688.6	67.5°	789.9	765.0	740.1	746.2	752.2	750.7	718.4	679.5	640.6	638.8
1329.5	70°	598.3	605.4	612.5	640.7	668.9	668.9	658.2	630.6	602.9	596.7
1016.4	72.5°	461.5	483.0	504.5	544.5	584.4	591.1	591.3	572.3	553.3	544.3
737.7	75°	358.4	377.8	397.3	442.1	486.9	517.8	515.2	500.6	486.0	477.3
499.9	77.5°	275.9	289.1	302.4	345.9	389.4	440.4	439.1	427.3	415.6	406.9
322.1	80°	206.9	212.3	217.8	254.7	291.4	352.4	352.2	342.4	332.5	325.2
198.1	82.5°	147.8	148.8	149.9	177.0	204.1	256.2	259.1	254.3	249.5	244.3
105.9	85°	89.4	88.9	88.4	108.2	128.1	166.8	170.6	165.4	160.3	154.5
43.9	87.5°	39.2	38.7	38.2	46.3	54.5	70.6	75.3	73.3	71.2	70.1
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1716.5	2.5°	1706.2	1695.8	1685.4	1675.1	1667.0	1659.0	1652.5	1646.0	1640.9	1635.8
1659.5	5°	1641.2	1622.8	1606.2	1589.4	1576.6	1563.8	1554.8	1545.8	1539.4	1533.1
1624.4	7.5°	1601.3	1578.1	1557.7	1537.4	1522.1	1506.9	1496.2	1485.5	1478.2	1470.9
1623.5	10°	1598.6	1573.7	1550.7	1527.8	1509.6	1491.3	1479.4	1467.3	1460.4	1453.5
1658.1	12.5°	1638.6	1619.1	1595.3	1571.6	1548.3	1525.1	1509.6	1494.2	1486.5	1478.8
1714.4	15°	1709.4	1704.3	1683.7	1663.1	1629.9	1596.8	1573.3	1549.9	1539.2	1528.5
1761.8	17.5°	1777.7	1793.6	1776.9	1760.3	1716.4	1672.5	1638.0	1603.5	1587.6	1571.6
1769.9	20°	1803.2	1836.4	1828.7	1821.0	1770.8	1720.6	1678.3	1636.0	1615.7	1595.3
1724.6	22.5°	1767.8	1811.0	1815.7	1820.3	1772.3	1724.4	1680.8	1637.2	1615.7	1594.2
1643.2	25°	1685.7	1728.3	1744.2	1760.0	1720.7	1681.4	1642.7	1604.0	1585.4	1566.8
1551.6	27.5°	1585.7	1619.8	1637.5	1655.2	1627.2	1599.2	1569.2	1539.1	1526.6	1514.1
1459.5	30°	1487.8	1516.2	1530.5	1544.9	1523.6	1502.2	1480.7	1459.1	1452.7	1446.3
1366.1	32.5°	1393.3	1420.5	1436.4	1452.5	1432.9	1413.2	1396.0	1378.8	1374.6	1370.5
1275.4	35°	1302.2	1329.2	1348.3	1367.5	1353.5	1339.6	1323.7	1307.9	1301.6	1295.3
1188.7	37.5°	1215.5	1242.4	1266.1	1289.8	1283.3	1276.9	1262.3	1247.7	1236.1	1224.6
1107.7	40°	1133.6	1159.5	1186.8	1214.1	1215.7	1217.2	1204.8	1192.4	1175.5	1158.8
1033.5	42.5°	1058.0	1082.6	1112.0	1141.5	1149.4	1157.2	1146.8	1136.3	1115.5	1094.6
969.8	45°	993.1	1016.3	1046.9	1077.4	1088.7	1100.0	1090.6	1081.2	1057.3	1033.5
918.9	47.5°	941.7	964.4	994.6	1024.7	1037.7	1050.7	1044.1	1037.6	1016.3	995.1
881.9	50°	903.4	924.8	951.8	978.8	995.5	1012.2	1011.8	1011.5	994.6	977.6
857.6	52.5°	877.3	897.0	922.1	947.3	967.1	986.9	990.4	994.0	980.2	966.3
839.2	55°	860.4	881.7	903.7	925.7	946.7	967.7	972.6	977.6	965.5	953.5
814.4	57.5°	839.3	864.3	886.1	907.9	929.1	950.2	955.2	960.2	948.0	935.8
781.0	60°	809.6	838.3	860.4	882.6	903.8	925.0	930.5	936.0	924.1	912.2
733.9	62.5°	767.3	800.7	824.3	848.0	867.4	886.9	892.2	897.4	886.7	875.9
683.6	65°	719.3	755.2	777.8	800.4	817.5	834.6	840.0	845.4	835.0	824.7
637.0	67.5°	670.0	703.1	724.5	745.9	760.7	775.5	780.8	786.0	776.5	767.0
590.6	70°	619.6	648.7	667.1	685.6	699.0	712.4	717.4	722.5	714.8	707.0
535.3	72.5°	558.2	581.0	597.7	614.4	627.5	640.6	646.6	652.6	646.2	639.8
468.6	75°	485.6	502.6	517.8	532.9	544.8	556.7	563.0	569.3	566.2	563.0
398.1	77.5°	411.9	425.7	438.7	451.7	464.3	476.7	482.6	488.5	484.1	479.6
317.8	80°	329.3	340.8	351.7	362.7	372.2	381.7	389.5	397.3	395.4	393.5
239.1	82.5°	238.1	237.1	233.3	229.5	249.7	270.0	283.3	296.6	295.8	294.9
148.6	85°	143.7	138.7	128.1	117.5	136.4	155.5	171.9	188.4	187.0	185.6
69.0	87.5°	68.8	68.6	60.6	52.4	60.3	68.4	75.0	81.6	80.0	78.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1631.2	2.5°	1626.4	1620.6	1626.4	1631.2	1635.8	1640.9	1646.0	1652.5	1659.0	1667.0
1528.2	5°	1523.3	1518.6	1523.3	1528.2	1533.1	1539.4	1545.8	1554.8	1563.8	1576.6
1466.6	7.5°	1462.2	1459.0	1462.2	1466.6	1470.9	1478.2	1485.5	1496.2	1506.9	1522.1
1449.8	10°	1446.1	1444.6	1446.1	1449.8	1453.5	1460.4	1467.3	1479.4	1491.3	1509.6
1475.7	12.5°	1472.5	1472.0	1472.5	1475.7	1478.8	1486.5	1494.2	1509.6	1525.1	1548.3
1524.4	15°	1520.3	1519.9	1520.3	1524.4	1528.5	1539.2	1549.9	1573.3	1596.8	1629.9
1566.4	17.5°	1561.2	1560.3	1561.2	1566.4	1571.6	1587.6	1603.5	1638.0	1672.5	1716.4
1588.8	20°	1582.3	1580.2	1582.3	1588.8	1595.3	1615.7	1636.0	1678.3	1720.6	1770.8
1587.0	22.5°	1579.9	1576.8	1579.9	1587.0	1594.2	1615.7	1637.2	1680.8	1724.4	1772.3
1560.1	25°	1553.3	1549.4	1553.3	1560.1	1566.8	1585.4	1604.0	1642.7	1681.4	1720.7
1511.0	27.5°	1507.9	1506.9	1507.9	1511.0	1514.1	1526.6	1539.1	1569.2	1599.2	1627.2
1446.3	30°	1446.3	1447.3	1446.3	1446.3	1446.3	1452.7	1459.1	1480.7	1502.2	1523.6
1371.0	32.5°	1371.6	1372.7	1371.6	1371.0	1370.5	1374.6	1378.8	1396.0	1413.2	1432.9
1293.9	35°	1292.5	1291.8	1292.5	1293.9	1295.3	1301.6	1307.9	1323.7	1339.6	1353.5
1218.5	37.5°	1212.4	1209.0	1212.4	1218.5	1224.6	1236.1	1247.7	1262.3	1276.9	1283.3
1147.4	40°	1136.2	1129.5	1136.2	1147.4	1158.8	1175.5	1192.4	1204.8	1217.2	1215.7
1078.1	42.5°	1061.5	1050.7	1061.5	1078.1	1094.6	1115.5	1136.3	1146.8	1157.2	1149.4
1014.1	45°	994.7	982.2	994.7	1014.1	1033.5	1057.3	1081.2	1090.6	1100.0	1088.7
977.2	47.5°	959.3	947.3	959.3	977.2	995.1	1016.3	1037.6	1044.1	1050.7	1037.7
961.0	50°	944.4	932.9	944.4	961.0	977.6	994.6	1011.5	1011.8	1012.2	995.5
951.5	52.5°	936.7	926.1	936.7	951.5	966.3	980.2	994.0	990.4	986.9	967.1
940.4	55°	927.4	917.8	927.4	940.4	953.5	965.5	977.6	972.6	967.7	946.7
922.9	57.5°	910.0	900.0	910.0	922.9	935.8	948.0	960.2	955.2	950.2	929.1
898.9	60°	885.7	875.4	885.7	898.9	912.2	924.1	936.0	930.5	925.0	903.8
862.0	62.5°	848.0	835.6	848.0	862.0	875.9	886.7	897.4	892.2	886.9	867.4
811.1	65°	797.6	787.0	797.6	811.1	824.7	835.0	845.4	840.0	834.6	817.5
754.4	67.5°	741.8	732.2	741.8	754.4	767.0	776.5	786.0	780.8	775.5	760.7
695.0	70°	682.9	671.9	682.9	695.0	707.0	714.8	722.5	717.4	712.4	699.0
628.2	72.5°	616.8	606.2	616.8	628.2	639.8	646.2	652.6	646.6	640.6	627.5
553.4	75°	543.7	533.6	543.7	553.4	563.0	566.2	569.3	563.0	556.7	544.8
469.9	77.5°	460.2	452.1	460.2	469.9	479.6	484.1	488.5	482.6	476.7	464.3
380.4	80°	367.3	352.1	367.3	380.4	393.5	395.4	397.3	389.5	381.7	372.2
283.8	82.5°	272.8	263.0	272.8	283.8	294.9	295.8	296.6	283.3	270.0	249.7
177.0	85°	168.4	159.6	168.4	177.0	185.6	187.0	188.4	171.9	155.5	136.4
73.8	87.5°	69.3	65.1	69.3	73.8	78.2	80.0	81.6	75.0	68.4	60.3
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1675.1	2.5°	1685.4	1695.8	1706.2	1716.5	1728.3	1740.1	1753.2	1766.4	1782.6	1797.2
1589.4	5°	1606.2	1622.8	1641.2	1659.5	1680.3	1701.1	1726.0	1750.8	1779.2	1807.9
1537.4	7.5°	1557.7	1578.1	1601.3	1624.4	1651.8	1679.2	1712.1	1745.1	1781.9	1821.2
1527.8	10°	1550.7	1573.7	1598.6	1623.5	1650.9	1678.3	1713.1	1747.9	1787.4	1835.8
1571.6	12.5°	1595.3	1619.1	1638.6	1658.1	1676.2	1694.4	1722.8	1751.3	1788.1	1839.0
1663.1	15°	1683.7	1704.3	1709.4	1714.4	1712.0	1709.5	1723.1	1736.7	1766.2	1822.5
1760.3	17.5°	1776.9	1793.6	1777.7	1761.8	1732.0	1702.1	1697.2	1692.2	1710.3	1776.6
1821.0	20°	1828.7	1836.4	1803.2	1769.9	1718.0	1666.2	1642.9	1619.6	1624.4	1701.6
1820.3	22.5°	1815.7	1811.0	1767.8	1724.6	1665.3	1606.1	1571.6	1537.2	1527.8	1615.7
1760.0	25°	1744.2	1728.3	1685.7	1643.2	1589.9	1536.7	1497.0	1457.2	1431.9	1522.0
1655.2	27.5°	1637.5	1619.8	1585.7	1551.6	1507.9	1464.1	1425.7	1387.4	1356.6	1438.5
1544.9	30°	1530.5	1516.2	1487.8	1459.5	1423.2	1386.9	1356.4	1325.9	1301.8	1370.6
1452.5	32.5°	1436.4	1420.5	1393.3	1366.1	1337.1	1308.1	1290.1	1272.1	1261.3	1316.8
1367.5	35°	1348.3	1329.2	1302.2	1275.4	1253.3	1231.2	1226.2	1221.3	1225.7	1272.0
1289.8	37.5°	1266.1	1242.4	1215.5	1188.7	1172.9	1157.0	1162.5	1168.0	1184.3	1224.7
1214.1	40°	1186.8	1159.5	1133.6	1107.7	1096.3	1084.8	1097.2	1109.6	1134.6	1171.3
1141.5	42.5°	1112.0	1082.6	1058.0	1033.5	1024.1	1014.8	1031.2	1047.6	1079.2	1112.9
1077.4	45°	1046.9	1016.3	993.1	969.8	961.8	954.0	970.0	986.0	1016.5	1050.7
1024.7	47.5°	994.6	964.4	941.7	918.9	911.5	904.1	917.6	931.0	957.2	1001.4
978.8	50°	951.8	924.8	903.4	881.9	870.3	858.8	870.6	882.6	913.0	971.1
947.3	52.5°	922.1	897.0	877.3	857.6	840.3	823.0	834.7	846.5	889.1	955.9
925.7	55°	903.7	881.7	860.4	839.2	814.7	790.1	808.7	827.3	891.5	953.6
907.9	57.5°	886.1	864.3	839.3	814.4	788.0	761.5	788.7	815.8	893.9	948.7
882.6	60°	860.4	838.3	809.6	781.0	757.8	734.6	769.8	805.0	886.3	922.5
848.0	62.5°	824.3	800.7	767.3	733.9	719.2	704.5	748.4	792.4	867.8	872.3
800.4	65°	777.8	755.2	719.3	683.6	678.0	672.3	719.1	765.8	823.3	822.8
745.9	67.5°	724.5	703.1	670.0	637.0	638.8	640.6	679.5	718.4	750.7	752.2
685.6	70°	667.1	648.7	619.6	590.6	596.7	602.9	630.6	658.2	668.9	668.9
614.4	72.5°	597.7	581.0	558.2	535.3	544.3	553.3	572.3	591.3	591.1	584.4
532.9	75°	517.8	502.6	485.6	468.6	477.3	486.0	500.6	515.2	517.8	486.9
451.7	77.5°	438.7	425.7	411.9	398.1	406.9	415.6	427.3	439.1	440.4	389.4
362.7	80°	351.7	340.8	329.3	317.8	325.2	332.5	342.4	352.2	352.4	291.4
229.5	82.5°	233.3	237.1	238.1	239.1	244.3	249.5	254.3	259.1	256.2	204.1
117.5	85°	128.1	138.7	143.7	148.6	154.5	160.3	165.4	170.6	166.8	128.1
52.4	87.5°	60.6	68.6	68.8	69.0	70.1	71.2	73.3	75.3	70.6	54.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1812.3	2.5°	1827.3	1843.1	1858.8	1874.5	1890.1	1904.9	1919.6
1838.4	5°	1868.9	1901.5	1934.2	1966.6	1999.0	2031.6	2064.1
1863.7	7.5°	1906.2	1954.5	2002.8	2052.4	2102.0	2155.6	2209.3
1886.2	10°	1936.5	1995.2	2053.8	2119.3	2184.9	2252.8	2320.6
1895.9	12.5°	1952.8	2022.0	2091.2	2165.4	2239.7	2314.2	2388.8
1888.4	15°	1954.3	2034.0	2113.6	2194.2	2274.7	2352.5	2430.2
1855.9	17.5°	1935.1	2027.6	2120.1	2208.0	2295.8	2374.7	2453.5
1799.8	20°	1898.0	2010.1	2122.1	2218.7	2315.3	2397.3	2479.2
1734.0	22.5°	1852.3	1988.6	2124.9	2233.2	2341.5	2425.3	2509.0
1660.5	25°	1799.0	1967.3	2135.7	2259.5	2383.3	2465.3	2547.4
1593.3	27.5°	1748.0	1953.2	2158.3	2300.6	2442.9	2521.2	2599.4
1537.1	30°	1703.6	1946.5	2189.3	2353.9	2518.5	2594.0	2669.6
1488.7	32.5°	1660.5	1938.3	2216.0	2409.4	2602.8	2677.6	2752.5
1441.1	35°	1610.2	1922.8	2235.6	2472.7	2709.8	2781.5	2853.2
1385.1	37.5°	1545.4	1896.3	2247.2	2543.6	2840.0	2931.3	3022.7
1318.2	40°	1465.1	1859.8	2254.5	2633.6	3012.6	3145.7	3278.9
1244.4	42.5°	1375.9	1822.1	2268.4	2751.3	3234.2	3426.4	3618.6
1166.1	45°	1281.4	1787.1	2292.9	2906.3	3519.7	3778.9	4038.2
1104.1	47.5°	1206.8	1758.2	2309.7	3071.3	3833.0	4198.0	4562.8
1062.9	50°	1154.7	1726.7	2298.7	3224.5	4150.3	4700.5	5250.5
1035.8	52.5°	1115.8	1673.5	2231.2	3324.0	4416.6	5228.3	6040.0
1016.1	55°	1078.7	1585.3	2091.9	3302.0	4512.2	5696.2	6880.4
992.8	57.5°	1037.0	1460.9	1884.7	3147.8	4411.0	6027.9	7644.8
957.2	60°	992.0	1299.4	1606.8	2860.7	4114.7	6110.8	8106.8
895.3	62.5°	918.4	1106.1	1293.7	2472.6	3651.4	5761.8	7872.2
833.7	65°	844.6	932.2	1019.8	2076.5	3133.3	5268.0	7402.7
746.2	67.5°	740.1	765.0	789.9	1688.6	2587.2	4680.4	6773.5
640.7	70°	612.5	605.4	598.3	1329.5	2060.7	4039.2	6017.7
544.5	72.5°	504.5	483.0	461.5	1016.4	1571.3	3344.1	5117.0
442.1	75°	397.3	377.8	358.4	737.7	1117.0	2547.3	3977.5
345.9	77.5°	302.4	289.1	275.9	499.9	723.9	1782.9	2841.9
254.7	80°	217.8	212.3	206.9	322.1	437.3	1148.7	1860.0
177.0	82.5°	149.9	148.8	147.8	198.1	248.5	664.8	1081.2
108.2	85°	88.4	88.9	89.4	105.9	122.5	299.1	475.7
46.3	87.5°	38.2	38.7	39.2	43.9	48.6	97.9	147.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)