

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: P947864

Luminaire Tested: **GALN-SB3A-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947864
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-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12050 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

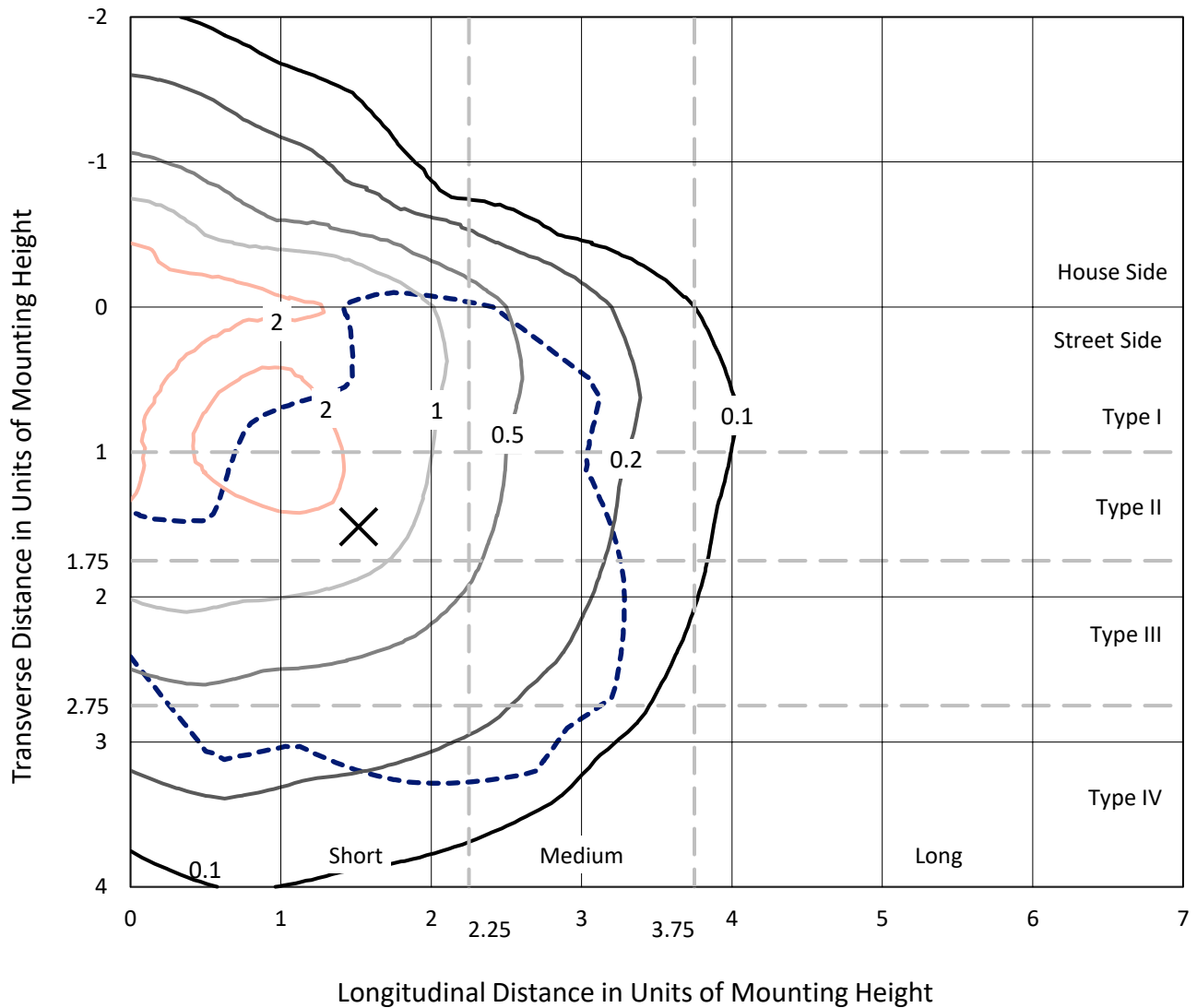
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

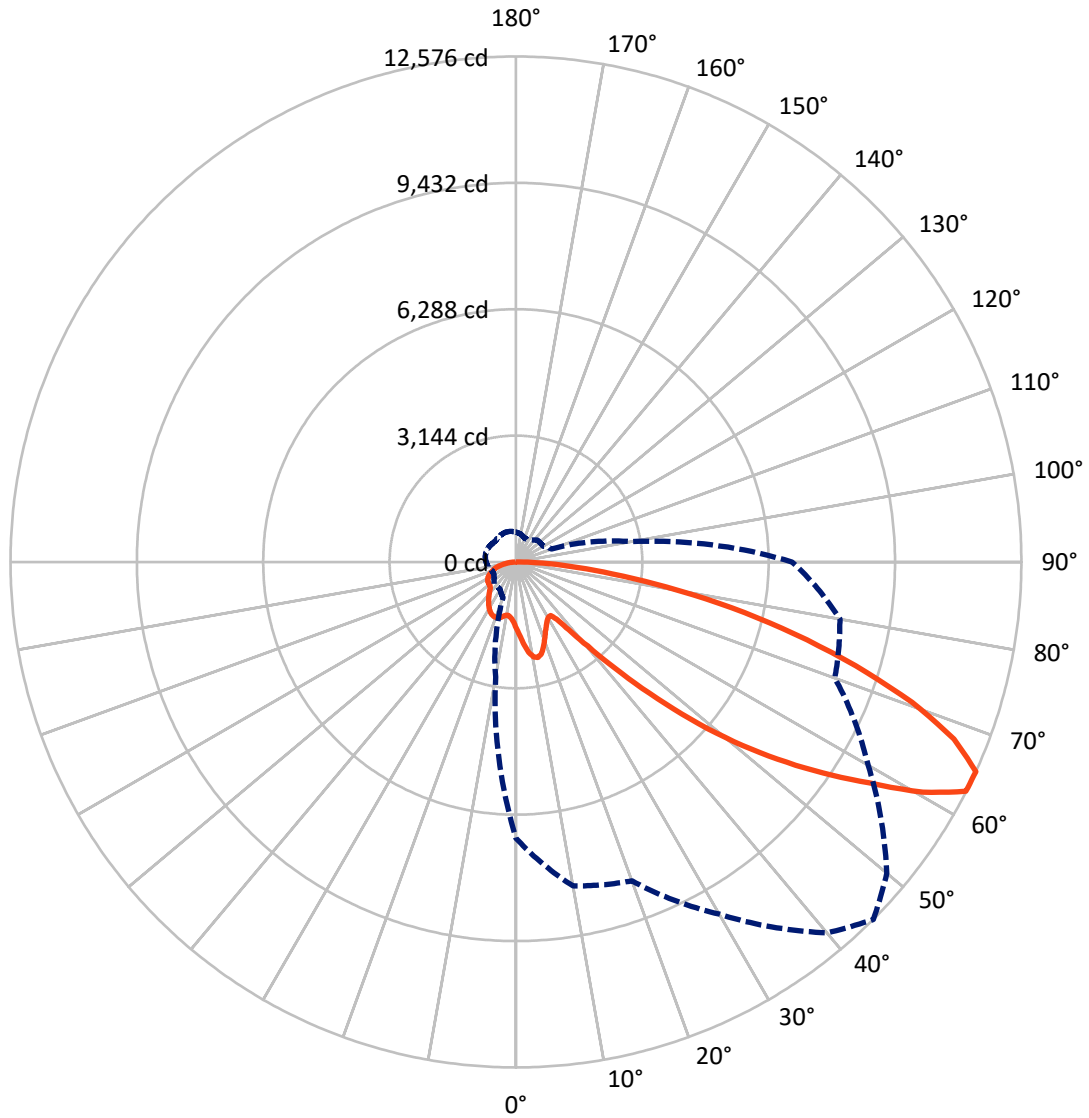
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	3062.5	0.0	3062.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8987.5	0.0	8987.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	12050.0	0.0	12050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	1.4
10°-20°	516.0	4.3
20°-30°	797.0	6.6
30°-40°	1010.0	8.4
40°-50°	1523.4	12.6
50°-60°	2461.3	20.4
60°-70°	3068.4	25.5
70°-80°	2012.1	16.7
80°-90°	497.4	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°	12050.0	100.0
0°-180°	12050.0	100.0

Coefficient of Utilization



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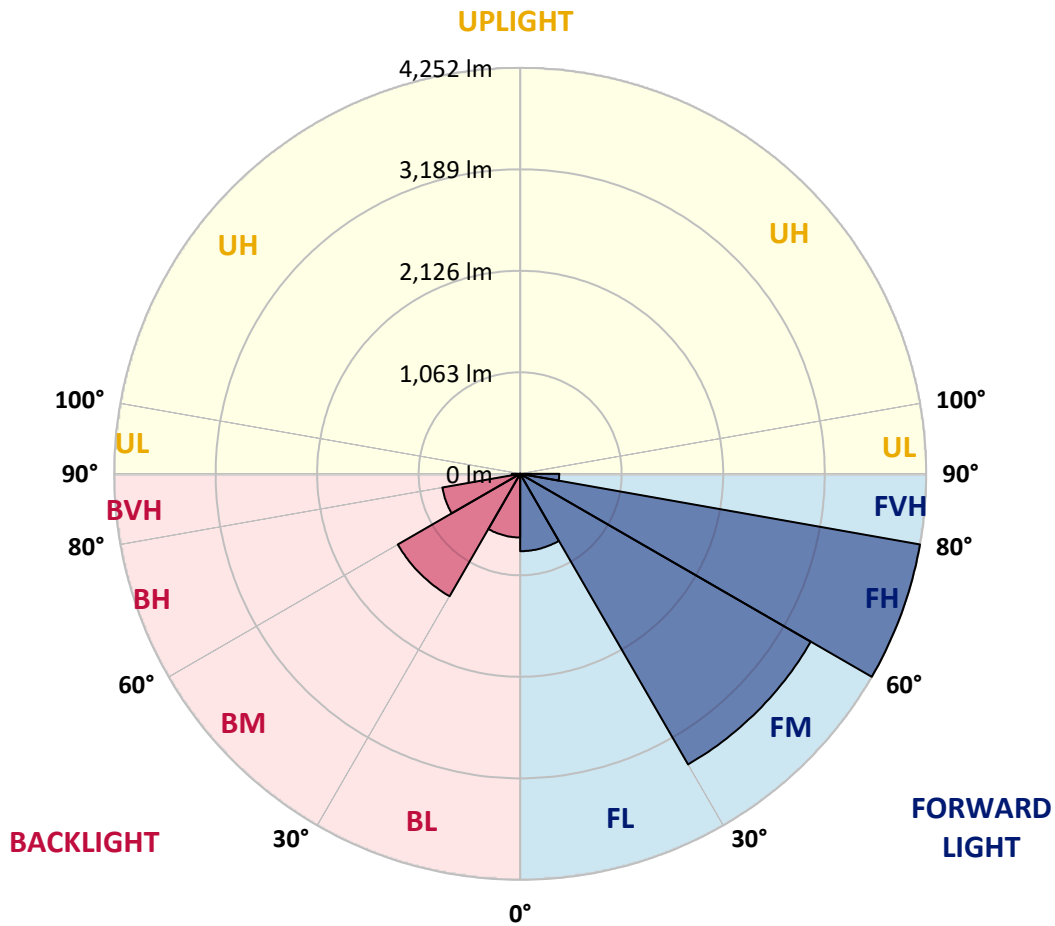
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.5	6.7			
FM (30°-60°)	3514.7	29.2			
FH (60°-80°)	4252.5	35.3			G2/5000
FVH (80°-90°)	409.8	3.4			G3/500
BL (0°-30°)	666.9	5.5	B2/1000		
BM (30°-60°)	1480.0	12.3	B2/2500		
BH (60°-80°)	828.0	6.9	B2/1000		G2/1000
BVH (80°-90°)	87.7	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°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
2.5°	1781.9	1788.7	1795.5	1805.1	1814.7	1820.4	1826.1	1829.0	1831.8	1830.6
5°	1916.1	1939.7	1963.3	1986.7	2010.2	2022.9	2035.6	2043.3	2051.1	2056.9
7.5°	2050.9	2089.3	2127.6	2162.1	2196.7	2217.5	2238.3	2249.5	2260.7	2266.1
10°	2154.2	2199.6	2245.0	2285.5	2326.0	2350.5	2375.0	2385.9	2396.8	2400.9
12.5°	2217.5	2266.7	2315.8	2352.5	2388.9	2406.8	2424.6	2430.5	2436.5	2437.1
15°	2255.9	2298.4	2340.8	2363.8	2386.8	2387.4	2388.1	2381.7	2375.3	2367.8
17.5°	2277.6	2306.2	2334.9	2335.3	2335.7	2310.0	2284.2	2260.6	2237.0	2220.3
20°	2301.4	2311.4	2321.4	2291.2	2261.0	2204.2	2147.3	2105.9	2064.5	2039.1
22.5°	2329.1	2316.0	2302.9	2240.3	2177.7	2094.1	2010.5	1958.7	1907.0	1878.9
25°	2364.7	2323.3	2282.0	2187.0	2092.0	1990.5	1888.9	1834.5	1780.2	1753.6
27.5°	2413.0	2339.1	2265.2	2139.3	2013.6	1901.0	1788.5	1734.9	1681.5	1656.3
30°	2478.2	2368.0	2257.8	2103.0	1948.1	1830.8	1713.6	1663.9	1614.3	1590.9
32.5°	2555.1	2404.2	2253.4	2078.2	1902.9	1792.7	1682.5	1643.6	1604.5	1587.7
35°	2648.6	2463.9	2279.3	2096.7	1914.2	1837.6	1761.1	1752.0	1742.9	1741.5
37.5°	2805.9	2588.7	2371.5	2205.6	2039.6	2034.7	2029.7	2071.3	2112.9	2134.5
40°	3043.7	2807.5	2571.3	2447.9	2324.5	2411.6	2498.7	2599.8	2700.9	2751.2
42.5°	3359.1	3124.7	2890.4	2819.3	2748.2	2938.2	3128.2	3312.1	3495.9	3603.9
45°	3748.5	3538.0	3327.4	3296.1	3264.7	3569.1	3873.5	4175.6	4477.8	4661.3
47.5°	4235.6	4030.8	3825.9	3819.6	3813.2	4252.3	4691.3	5133.6	5575.9	5835.7
50°	4874.0	4621.0	4368.0	4369.1	4370.2	4936.1	5502.0	6085.9	6669.8	7022.8
52.5°	5606.8	5300.4	4994.1	4963.2	4932.2	5608.1	6284.1	7006.5	7728.9	8152.0
55°	6386.9	6084.3	5781.6	5660.9	5540.1	6292.5	7044.7	7905.9	8767.2	9270.4
57.5°	7096.5	6931.7	6766.8	6524.7	6282.5	7042.2	7801.8	8777.3	9752.7	10376.8
60°	7525.4	7781.4	8037.4	7736.7	7435.9	8154.8	8873.7	9918.1	10962.5	11637.0
62.5°	7307.6	8007.1	8706.6	8672.7	8638.7	9297.3	9955.9	10949.5	11943.2	12566.6
65°	6871.8	7528.3	8184.8	8314.7	8444.5	9281.4	10118.3	11081.9	12045.3	12576.1
67.5°	6287.7	6912.1	7536.5	7597.4	7658.3	8530.3	9402.2	10369.9	11337.5	11753.4
70°	5586.1	6265.2	6944.4	6971.6	6998.9	7778.7	8558.4	9391.2	10223.9	10455.0
72.5°	4750.0	5529.3	6308.7	6328.3	6347.8	6957.9	7568.0	8191.7	8815.3	8838.7
75°	3692.3	4498.9	5305.5	5377.9	5450.4	5925.0	6399.7	6838.7	7277.7	7160.1
77.5°	2638.1	3391.0	4144.0	4247.7	4351.3	4712.2	5073.0	5384.4	5695.8	5493.6
80°	1726.6	2360.1	2993.5	3122.3	3251.1	3523.7	3796.0	3959.6	4123.1	3797.8
82.5°	1003.7	1436.7	1869.9	2013.7	2157.7	2345.3	2532.8	2601.1	2669.2	2413.6
85°	441.6	671.4	901.3	1023.7	1146.1	1300.2	1454.3	1493.0	1531.7	1327.0
87.5°	136.7	214.0	291.2	359.5	427.8	504.9	581.9	585.2	588.5	494.0
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°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1831.8	2.5°	1829.0	1826.1	1820.4	1814.7	1805.1	1795.5	1788.7	1781.9	1768.2	1754.6
2051.1	5°	2043.3	2035.6	2022.9	2010.2	1986.7	1963.3	1939.7	1916.1	1885.9	1855.7
2260.7	7.5°	2249.5	2238.3	2217.5	2196.7	2162.1	2127.6	2089.3	2050.9	2001.0	1951.2
2396.8	10°	2385.9	2375.0	2350.5	2326.0	2285.5	2245.0	2199.6	2154.2	2091.2	2028.2
2436.5	12.5°	2430.5	2424.6	2406.8	2388.9	2352.5	2315.8	2266.7	2217.5	2148.2	2079.0
2375.3	15°	2381.7	2388.1	2387.4	2386.8	2363.8	2340.8	2298.4	2255.9	2183.8	2111.6
2237.0	17.5°	2260.6	2284.2	2310.0	2335.7	2335.3	2334.9	2306.2	2277.6	2204.4	2131.2
2064.5	20°	2105.9	2147.3	2204.2	2261.0	2291.2	2321.4	2311.4	2301.4	2225.3	2149.2
1907.0	22.5°	1958.7	2010.5	2094.1	2177.7	2240.3	2302.9	2316.0	2329.1	2251.4	2173.6
1780.2	25°	1834.5	1888.9	1990.5	2092.0	2187.0	2282.0	2323.3	2364.7	2288.5	2212.4
1681.5	27.5°	1734.9	1788.5	1901.0	2013.6	2139.3	2265.2	2339.1	2413.0	2340.4	2267.7
1614.3	30°	1663.9	1713.6	1830.8	1948.1	2103.0	2257.8	2368.0	2478.2	2408.0	2337.8
1604.5	32.5°	1643.6	1682.5	1792.7	1902.9	2078.2	2253.4	2404.2	2555.1	2485.6	2416.2
1742.9	35°	1752.0	1761.1	1837.6	1914.2	2096.7	2279.3	2463.9	2648.6	2582.1	2515.5
2112.9	37.5°	2071.3	2029.7	2034.7	2039.6	2205.6	2371.5	2588.7	2805.9	2721.1	2636.3
2700.9	40°	2599.8	2498.7	2411.6	2324.5	2447.9	2571.3	2807.5	3043.7	2920.1	2796.5
3495.9	42.5°	3312.1	3128.2	2938.2	2748.2	2819.3	2890.4	3124.7	3359.1	3180.7	3002.3
4477.8	45°	4175.6	3873.5	3569.1	3264.7	3296.1	3327.4	3538.0	3748.5	3507.9	3267.2
5575.9	47.5°	5133.6	4691.3	4252.3	3813.2	3819.6	3825.9	4030.8	4235.6	3896.9	3558.1
6669.8	50°	6085.9	5502.0	4936.1	4370.2	4369.1	4368.0	4621.0	4874.0	4363.3	3852.6
7728.9	52.5°	7006.5	6284.1	5608.1	4932.2	4963.2	4994.1	5300.4	5606.8	4853.3	4099.8
8767.2	55°	7905.9	7044.7	6292.5	5540.1	5660.9	5781.6	6084.3	6386.9	5287.7	4188.5
9752.7	57.5°	8777.3	7801.8	7042.2	6282.5	6524.7	6766.8	6931.7	7096.5	5595.6	4094.6
10962.5	60°	9918.1	8873.7	8154.8	7435.9	7736.7	8037.4	7781.4	7525.4	5672.5	3819.6
11943.2	62.5°	10949.5	9955.9	9297.3	8638.7	8672.7	8706.6	8007.1	7307.6	5348.6	3389.5
12045.3	65°	11081.9	10118.3	9281.4	8444.5	8314.7	8184.8	7528.3	6871.8	4890.2	2908.6
11337.5	67.5°	10369.9	9402.2	8530.3	7658.3	7597.4	7536.5	6912.1	6287.7	4344.7	2401.7
10223.9	70°	9391.2	8558.4	7778.7	6998.9	6971.6	6944.4	6265.2	5586.1	3749.5	1912.9
8815.3	72.5°	8191.7	7568.0	6957.9	6347.8	6328.3	6308.7	5529.3	4750.0	3104.3	1458.6
7277.7	75°	6838.7	6399.7	5925.0	5450.4	5377.9	5305.5	4498.9	3692.3	2364.6	1036.9
5695.8	77.5°	5384.4	5073.0	4712.2	4351.3	4247.7	4144.0	3391.0	2638.1	1655.0	671.9
4123.1	80°	3959.6	3796.0	3523.7	3251.1	3122.3	2993.5	2360.1	1726.6	1066.3	406.0
2669.2	82.5°	2601.1	2532.8	2345.3	2157.7	2013.7	1869.9	1436.7	1003.7	617.1	230.7
1531.7	85°	1493.0	1454.3	1300.2	1146.1	1023.7	901.3	671.4	441.6	277.6	113.7
588.5	87.5°	585.2	581.9	504.9	427.8	359.5	291.2	214.0	136.7	90.9	45.1
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1740.0	2.5°	1725.5	1710.9	1696.3	1682.3	1668.3	1654.8	1639.7	1627.5	1615.3	1604.3
1825.5	5°	1795.5	1765.1	1734.9	1706.6	1678.3	1651.6	1625.2	1602.2	1579.1	1559.8
1905.2	7.5°	1859.2	1814.3	1769.5	1730.0	1690.6	1654.1	1620.0	1589.3	1558.7	1533.3
1967.3	10°	1906.5	1852.1	1797.6	1751.0	1704.2	1659.2	1622.5	1590.2	1557.9	1532.5
2010.1	12.5°	1941.2	1877.0	1812.8	1759.9	1707.1	1659.8	1625.7	1599.2	1572.9	1556.0
2036.8	15°	1962.1	1888.1	1814.2	1753.0	1691.8	1639.5	1612.2	1599.5	1586.9	1589.2
2049.6	17.5°	1968.0	1882.2	1796.4	1722.8	1649.2	1587.7	1570.8	1575.5	1580.0	1607.8
2059.6	20°	1969.9	1865.9	1761.9	1670.7	1579.5	1507.9	1503.4	1525.0	1546.7	1594.8
2073.1	22.5°	1972.5	1845.9	1719.4	1609.6	1499.8	1418.2	1426.9	1458.9	1490.9	1545.8
2097.5	25°	1982.5	1826.2	1670.0	1541.4	1412.8	1329.2	1352.7	1389.6	1426.5	1475.9
2135.6	27.5°	2003.5	1813.1	1622.6	1479.0	1335.4	1259.3	1287.9	1323.5	1359.1	1399.7
2185.0	30°	2032.2	1806.9	1581.4	1426.9	1272.3	1208.4	1230.8	1259.1	1287.4	1321.1
2236.6	32.5°	2057.0	1799.3	1541.4	1381.9	1222.4	1170.9	1180.9	1197.6	1214.3	1241.2
2295.4	35°	2075.2	1784.9	1494.7	1337.7	1180.7	1137.8	1133.7	1138.3	1142.9	1163.4
2361.2	37.5°	2086.0	1760.3	1434.6	1285.7	1136.9	1099.4	1084.2	1079.1	1074.0	1088.8
2444.7	40°	2092.8	1726.4	1360.0	1223.7	1087.3	1053.3	1030.0	1018.5	1007.0	1017.6
2554.0	42.5°	2105.7	1691.4	1277.3	1155.2	1033.1	1001.8	972.5	957.2	942.0	950.6
2697.8	45°	2128.4	1658.9	1189.5	1082.4	975.4	943.6	915.3	900.4	885.6	892.8
2851.1	47.5°	2144.0	1632.1	1120.2	1024.9	929.6	888.6	864.2	851.8	839.3	846.2
2993.2	50°	2133.9	1602.9	1071.9	986.7	901.5	847.6	819.3	808.2	797.2	807.9
3085.6	52.5°	2071.2	1553.5	1035.8	961.5	887.3	825.3	785.8	774.8	764.0	780.0
3065.2	55°	1941.8	1471.6	1001.3	943.3	885.2	827.5	768.0	750.7	733.4	756.3
2922.0	57.5°	1749.5	1356.1	962.6	921.6	880.6	829.8	757.3	732.1	706.9	731.5
2655.6	60°	1491.5	1206.2	920.8	888.6	856.3	822.8	747.2	714.6	681.9	703.5
2295.2	62.5°	1201.0	1026.7	852.5	831.1	809.7	805.6	735.5	694.7	654.0	667.6
1927.6	65°	946.6	865.3	784.0	773.9	763.8	764.3	710.9	667.5	624.1	629.3
1567.5	67.5°	733.2	710.2	687.0	692.7	698.3	696.9	666.9	630.7	594.6	593.0
1234.2	70°	555.4	562.0	568.6	594.8	620.9	620.9	611.0	585.3	559.7	553.9
943.5	72.5°	428.4	448.3	468.3	505.4	542.5	548.7	548.9	531.2	513.6	505.2
684.8	75°	332.7	350.7	368.8	410.4	451.9	480.7	478.3	464.7	451.1	443.1
464.0	77.5°	256.1	268.4	280.7	321.1	361.5	408.8	407.6	396.7	385.8	377.7
299.0	80°	192.0	197.1	202.2	236.4	270.5	327.1	326.9	317.9	308.7	301.9
183.9	82.5°	137.2	138.1	139.1	164.3	189.5	237.8	240.5	236.0	231.6	226.7
98.3	85°	83.0	82.5	82.0	100.5	118.9	154.8	158.3	153.6	148.8	143.4
40.8	87.5°	36.4	35.9	35.5	43.0	50.5	65.5	69.9	68.0	66.1	65.1
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°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1593.4	2.5°	1583.8	1574.2	1564.5	1554.9	1547.5	1540.0	1533.9	1527.9	1523.2	1518.5
1540.5	5°	1523.5	1506.4	1491.0	1475.4	1463.6	1451.6	1443.3	1434.9	1429.0	1423.1
1507.9	7.5°	1486.4	1465.0	1446.0	1427.1	1412.9	1398.8	1388.9	1379.0	1372.2	1365.4
1507.0	10°	1484.0	1460.8	1439.5	1418.2	1401.3	1384.3	1373.3	1362.1	1355.7	1349.2
1539.2	12.5°	1521.0	1503.0	1480.9	1458.9	1437.3	1415.7	1401.4	1387.1	1379.9	1372.8
1591.5	15°	1586.8	1582.1	1562.9	1543.8	1513.0	1482.3	1460.5	1438.8	1428.8	1418.9
1635.5	17.5°	1650.2	1664.9	1649.5	1634.1	1593.3	1552.6	1520.5	1488.5	1473.7	1458.9
1643.0	20°	1673.8	1704.7	1697.5	1690.4	1643.8	1597.2	1557.9	1518.7	1499.8	1480.9
1600.9	22.5°	1641.0	1681.1	1685.5	1689.7	1645.2	1600.7	1560.3	1519.8	1499.9	1479.9
1525.4	25°	1564.8	1604.3	1619.1	1633.8	1597.3	1560.8	1524.9	1489.0	1471.7	1454.5
1440.3	27.5°	1472.0	1503.6	1520.0	1536.5	1510.5	1484.5	1456.6	1428.7	1417.1	1405.5
1354.8	30°	1381.1	1407.4	1420.8	1434.1	1414.3	1394.5	1374.5	1354.4	1348.5	1342.6
1268.2	32.5°	1293.3	1318.6	1333.4	1348.3	1330.1	1311.8	1295.9	1279.9	1276.1	1272.2
1183.9	35°	1208.8	1233.8	1251.6	1269.4	1256.5	1243.6	1228.8	1214.1	1208.2	1202.4
1103.5	37.5°	1128.3	1153.3	1175.3	1197.3	1191.3	1185.3	1171.8	1158.2	1147.4	1136.7
1028.3	40°	1052.3	1076.3	1101.6	1127.0	1128.5	1129.9	1118.4	1106.9	1091.2	1075.7
959.3	42.5°	982.1	1004.9	1032.3	1059.6	1066.9	1074.2	1064.5	1054.8	1035.5	1016.1
900.2	45°	921.8	943.4	971.8	1000.2	1010.7	1021.1	1012.4	1003.7	981.5	959.3
853.0	47.5°	874.1	895.3	923.2	951.2	963.3	975.4	969.3	963.2	943.4	923.7
818.6	50°	838.6	858.5	883.6	908.6	924.1	939.6	939.3	939.0	923.2	907.5
796.1	52.5°	814.4	832.6	856.0	879.4	897.7	916.1	919.4	922.7	909.9	897.0
779.0	55°	798.7	818.4	838.9	859.3	878.8	898.3	902.9	907.5	896.3	885.1
756.0	57.5°	779.1	802.3	822.5	842.8	862.4	882.0	886.7	891.3	880.0	868.7
725.0	60°	751.6	778.1	798.7	819.3	839.0	858.7	863.8	868.9	857.8	846.8
681.3	62.5°	712.3	743.3	765.2	787.2	805.2	823.3	828.2	833.1	823.1	813.1
634.6	65°	667.8	701.0	722.0	743.0	758.9	774.8	779.8	784.7	775.1	765.5
591.3	67.5°	622.0	652.7	672.6	692.4	706.2	719.9	724.8	729.6	720.8	712.0
548.2	70°	575.2	602.1	619.3	636.5	648.9	661.3	666.0	670.7	663.5	656.3
496.9	72.5°	518.1	539.3	554.8	570.3	582.5	594.6	600.2	605.8	599.8	593.9
435.0	75°	450.8	466.6	480.6	494.7	505.7	516.8	522.7	528.5	525.6	522.7
369.5	77.5°	382.4	395.2	407.3	419.3	431.0	442.5	448.0	453.5	449.4	445.2
295.0	80°	305.7	316.3	326.5	336.7	345.5	354.3	361.5	368.8	367.0	365.3
221.9	82.5°	221.0	220.1	216.6	213.0	231.8	250.6	263.0	275.3	274.6	273.7
138.0	85°	133.4	128.8	118.9	109.0	126.7	144.3	159.6	174.9	173.6	172.3
64.1	87.5°	63.9	63.7	56.2	48.6	56.0	63.5	69.6	75.8	74.3	72.6
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1514.2	2.5°	1509.8	1504.4	1509.8	1514.2	1518.5	1523.2	1527.9	1533.9	1540.0	1547.5
1418.6	5°	1414.1	1409.6	1414.1	1418.6	1423.1	1429.0	1434.9	1443.3	1451.6	1463.6
1361.4	7.5°	1357.4	1354.3	1357.4	1361.4	1365.4	1372.2	1379.0	1388.9	1398.8	1412.9
1345.8	10°	1342.4	1341.0	1342.4	1345.8	1349.2	1355.7	1362.1	1373.3	1384.3	1401.3
1369.8	12.5°	1366.9	1366.4	1366.9	1369.8	1372.8	1379.9	1387.1	1401.4	1415.7	1437.3
1415.0	15°	1411.2	1410.9	1411.2	1415.0	1418.9	1428.8	1438.8	1460.5	1482.3	1513.0
1454.1	17.5°	1449.2	1448.4	1449.2	1454.1	1458.9	1473.7	1488.5	1520.5	1552.6	1593.3
1474.8	20°	1468.8	1466.9	1468.8	1474.8	1480.9	1499.8	1518.7	1557.9	1597.2	1643.8
1473.2	22.5°	1466.5	1463.7	1466.5	1473.2	1479.9	1499.9	1519.8	1560.3	1600.7	1645.2
1448.2	25°	1441.9	1438.3	1441.9	1448.2	1454.5	1471.7	1489.0	1524.9	1560.8	1597.3
1402.6	27.5°	1399.8	1398.8	1399.8	1402.6	1405.5	1417.1	1428.7	1456.6	1484.5	1510.5
1342.6	30°	1342.6	1343.5	1342.6	1342.6	1342.6	1348.5	1354.4	1374.5	1394.5	1414.3
1272.7	32.5°	1273.3	1274.2	1273.3	1272.7	1272.2	1276.1	1279.9	1295.9	1311.8	1330.1
1201.1	35°	1199.8	1199.2	1199.8	1201.1	1202.4	1208.2	1214.1	1228.8	1243.6	1256.5
1131.1	37.5°	1125.4	1122.2	1125.4	1131.1	1136.7	1147.4	1158.2	1171.8	1185.3	1191.3
1065.1	40°	1054.7	1048.5	1054.7	1065.1	1075.7	1091.2	1106.9	1118.4	1129.9	1128.5
1000.7	42.5°	985.4	975.4	985.4	1000.7	1016.1	1035.5	1054.8	1064.5	1074.2	1066.9
941.3	45°	923.4	911.8	923.4	941.3	959.3	981.5	1003.7	1012.4	1021.1	1010.7
907.1	47.5°	890.5	879.4	890.5	907.1	923.7	943.4	963.2	969.3	975.4	963.3
892.1	50°	876.7	866.0	876.7	892.1	907.5	923.2	939.0	939.3	939.6	924.1
883.2	52.5°	869.5	859.6	869.5	883.2	897.0	909.9	922.7	919.4	916.1	897.7
873.0	55°	860.9	852.0	860.9	873.0	885.1	896.3	907.5	902.9	898.3	878.8
856.7	57.5°	844.7	835.5	844.7	856.7	868.7	880.0	891.3	886.7	882.0	862.4
834.5	60°	822.1	812.6	822.1	834.5	846.8	857.8	868.9	863.8	858.7	839.0
800.1	62.5°	787.2	775.7	787.2	800.1	813.1	823.1	833.1	828.2	823.3	805.2
753.0	65°	740.4	730.6	740.4	753.0	765.5	775.1	784.7	779.8	774.8	758.9
700.3	67.5°	688.6	679.7	688.6	700.3	712.0	720.8	729.6	724.8	719.9	706.2
645.1	70°	633.9	623.8	633.9	645.1	656.3	663.5	670.7	666.0	661.3	648.9
583.2	72.5°	572.6	562.7	572.6	583.2	593.9	599.8	605.8	600.2	594.6	582.5
513.7	75°	504.7	495.3	504.7	513.7	522.7	525.6	528.5	522.7	516.8	505.7
436.2	77.5°	427.2	419.6	427.2	436.2	445.2	449.4	453.5	448.0	442.5	431.0
353.1	80°	340.9	326.8	340.9	353.1	365.3	367.0	368.8	361.5	354.3	345.5
263.5	82.5°	253.2	244.2	253.2	263.5	273.7	274.6	275.3	263.0	250.6	231.8
164.3	85°	156.3	148.1	156.3	164.3	172.3	173.6	174.9	159.6	144.3	126.7
68.5	87.5°	64.3	60.4	64.3	68.5	72.6	74.3	75.8	69.6	63.5	56.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1554.9	2.5°	1564.5	1574.2	1583.8	1593.4	1604.3	1615.3	1627.5	1639.7	1654.8	1668.3
1475.4	5°	1491.0	1506.4	1523.5	1540.5	1559.8	1579.1	1602.2	1625.2	1651.6	1678.3
1427.1	7.5°	1446.0	1465.0	1486.4	1507.9	1533.3	1558.7	1589.3	1620.0	1654.1	1690.6
1418.2	10°	1439.5	1460.8	1484.0	1507.0	1532.5	1557.9	1590.2	1622.5	1659.2	1704.2
1458.9	12.5°	1480.9	1503.0	1521.0	1539.2	1556.0	1572.9	1599.2	1625.7	1659.8	1707.1
1543.8	15°	1562.9	1582.1	1586.8	1591.5	1589.2	1586.9	1599.5	1612.2	1639.5	1691.8
1634.1	17.5°	1649.5	1664.9	1650.2	1635.5	1607.8	1580.0	1575.5	1570.8	1587.7	1649.2
1690.4	20°	1697.5	1704.7	1673.8	1643.0	1594.8	1546.7	1525.0	1503.4	1507.9	1579.5
1689.7	22.5°	1685.5	1681.1	1641.0	1600.9	1545.8	1490.9	1458.9	1426.9	1418.2	1499.8
1633.8	25°	1619.1	1604.3	1564.8	1525.4	1475.9	1426.5	1389.6	1352.7	1329.2	1412.8
1536.5	27.5°	1520.0	1503.6	1472.0	1440.3	1399.7	1359.1	1323.5	1287.9	1259.3	1335.4
1434.1	30°	1420.8	1407.4	1381.1	1354.8	1321.1	1287.4	1259.1	1230.8	1208.4	1272.3
1348.3	32.5°	1333.4	1318.6	1293.3	1268.2	1241.2	1214.3	1197.6	1180.9	1170.9	1222.4
1269.4	35°	1251.6	1233.8	1208.8	1183.9	1163.4	1142.9	1138.3	1133.7	1137.8	1180.7
1197.3	37.5°	1175.3	1153.3	1128.3	1103.5	1088.8	1074.0	1079.1	1084.2	1099.4	1136.9
1127.0	40°	1101.6	1076.3	1052.3	1028.3	1017.6	1007.0	1018.5	1030.0	1053.3	1087.3
1059.6	42.5°	1032.3	1004.9	982.1	959.3	950.6	942.0	957.2	972.5	1001.8	1033.1
1000.2	45°	971.8	943.4	921.8	900.2	892.8	885.6	900.4	915.3	943.6	975.4
951.2	47.5°	923.2	895.3	874.1	853.0	846.2	839.3	851.8	864.2	888.6	929.6
908.6	50°	883.6	858.5	838.6	818.6	807.9	797.2	808.2	819.3	847.6	901.5
879.4	52.5°	856.0	832.6	814.4	796.1	780.0	764.0	774.8	785.8	825.3	887.3
859.3	55°	838.9	818.4	798.7	779.0	756.3	733.4	750.7	768.0	827.5	885.2
842.8	57.5°	822.5	802.3	779.1	756.0	731.5	706.9	732.1	757.3	829.8	880.6
819.3	60°	798.7	778.1	751.6	725.0	703.5	681.9	714.6	747.2	822.8	856.3
787.2	62.5°	765.2	743.3	712.3	681.3	667.6	654.0	694.7	735.5	805.6	809.7
743.0	65°	722.0	701.0	667.8	634.6	629.3	624.1	667.5	710.9	764.3	763.8
692.4	67.5°	672.6	652.7	622.0	591.3	593.0	594.6	630.7	666.9	696.9	698.3
636.5	70°	619.3	602.1	575.2	548.2	553.9	559.7	585.3	611.0	620.9	620.9
570.3	72.5°	554.8	539.3	518.1	496.9	505.2	513.6	531.2	548.9	548.7	542.5
494.7	75°	480.6	466.6	450.8	435.0	443.1	451.1	464.7	478.3	480.7	451.9
419.3	77.5°	407.3	395.2	382.4	369.5	377.7	385.8	396.7	407.6	408.8	361.5
336.7	80°	326.5	316.3	305.7	295.0	301.9	308.7	317.9	326.9	327.1	270.5
213.0	82.5°	216.6	220.1	221.0	221.9	226.7	231.6	236.0	240.5	237.8	189.5
109.0	85°	118.9	128.8	133.4	138.0	143.4	148.8	153.6	158.3	154.8	118.9
48.6	87.5°	56.2	63.7	63.9	64.1	65.1	66.1	68.0	69.9	65.5	50.5
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°
1657.0	0°	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0	1657.0
1682.3	2.5°	1696.3	1710.9	1725.5	1740.0	1754.6	1768.2	1781.9
1706.6	5°	1734.9	1765.1	1795.5	1825.5	1855.7	1885.9	1916.1
1730.0	7.5°	1769.5	1814.3	1859.2	1905.2	1951.2	2001.0	2050.9
1751.0	10°	1797.6	1852.1	1906.5	1967.3	2028.2	2091.2	2154.2
1759.9	12.5°	1812.8	1877.0	1941.2	2010.1	2079.0	2148.2	2217.5
1753.0	15°	1814.2	1888.1	1962.1	2036.8	2111.6	2183.8	2255.9
1722.8	17.5°	1796.4	1882.2	1968.0	2049.6	2131.2	2204.4	2277.6
1670.7	20°	1761.9	1865.9	1969.9	2059.6	2149.2	2225.3	2301.4
1609.6	22.5°	1719.4	1845.9	1972.5	2073.1	2173.6	2251.4	2329.1
1541.4	25°	1670.0	1826.2	1982.5	2097.5	2212.4	2288.5	2364.7
1479.0	27.5°	1622.6	1813.1	2003.5	2135.6	2267.7	2340.4	2413.0
1426.9	30°	1581.4	1806.9	2032.2	2185.0	2337.8	2408.0	2478.2
1381.9	32.5°	1541.4	1799.3	2057.0	2236.6	2416.2	2485.6	2555.1
1337.7	35°	1494.7	1784.9	2075.2	2295.4	2515.5	2582.1	2648.6
1285.7	37.5°	1434.6	1760.3	2086.0	2361.2	2636.3	2721.1	2805.9
1223.7	40°	1360.0	1726.4	2092.8	2444.7	2796.5	2920.1	3043.7
1155.2	42.5°	1277.3	1691.4	2105.7	2554.0	3002.3	3180.7	3359.1
1082.4	45°	1189.5	1658.9	2128.4	2697.8	3267.2	3507.9	3748.5
1024.9	47.5°	1120.2	1632.1	2144.0	2851.1	3558.1	3896.9	4235.6
986.7	50°	1071.9	1602.9	2133.9	2993.2	3852.6	4363.3	4874.0
961.5	52.5°	1035.8	1553.5	2071.2	3085.6	4099.8	4853.3	5606.8
943.3	55°	1001.3	1471.6	1941.8	3065.2	4188.5	5287.7	6386.9
921.6	57.5°	962.6	1356.1	1749.5	2922.0	4094.6	5595.6	7096.5
888.6	60°	920.8	1206.2	1491.5	2655.6	3819.6	5672.5	7525.4
831.1	62.5°	852.5	1026.7	1201.0	2295.2	3389.5	5348.6	7307.6
773.9	65°	784.0	865.3	946.6	1927.6	2908.6	4890.2	6871.8
692.7	67.5°	687.0	710.2	733.2	1567.5	2401.7	4344.7	6287.7
594.8	70°	568.6	562.0	555.4	1234.2	1912.9	3749.5	5586.1
505.4	72.5°	468.3	448.3	428.4	943.5	1458.6	3104.3	4750.0
410.4	75°	368.8	350.7	332.7	684.8	1036.9	2364.6	3692.3
321.1	77.5°	280.7	268.4	256.1	464.0	671.9	1655.0	2638.1
236.4	80°	202.2	197.1	192.0	299.0	406.0	1066.3	1726.6
164.3	82.5°	139.1	138.1	137.2	183.9	230.7	617.1	1003.7
100.5	85°	82.0	82.5	83.0	98.3	113.7	277.6	441.6
43.0	87.5°	35.5	35.9	36.4	40.8	45.1	90.9	136.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)