

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: P948221

Luminaire Tested: **GALN-SB3B-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948221
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-SB3B-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15127 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

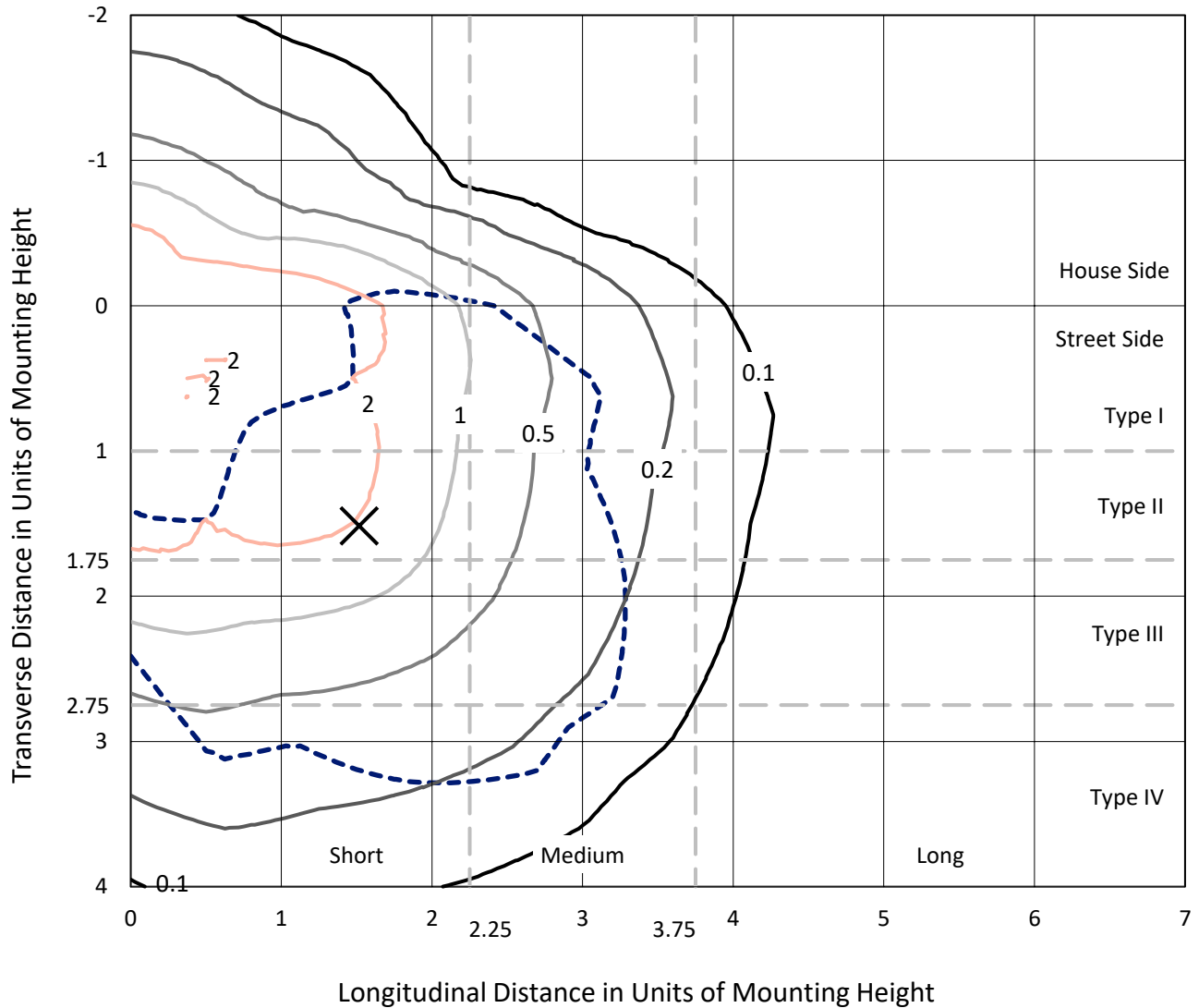
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

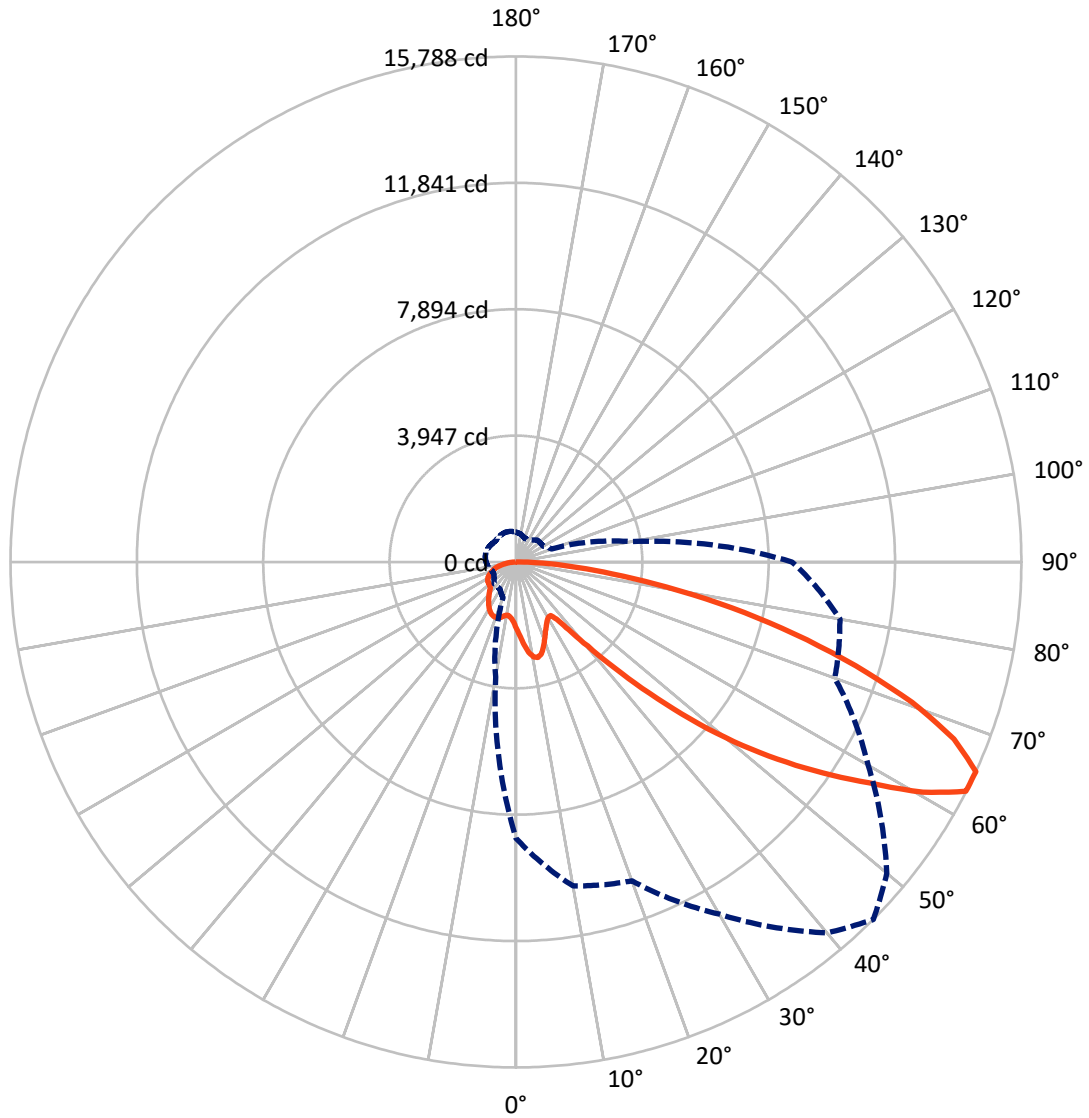
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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CATALOG NUMBER: GALN-SB3B-830-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3844.5	0.0	3844.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11282.5	0.0	11282.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	15127.0	0.0	15127.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	1.4
10°-20°	647.8	4.3
20°-30°	1000.6	6.6
30°-40°	1268.0	8.4
40°-50°	1912.4	12.6
50°-60°	3089.8	20.4
60°-70°	3851.9	25.5
70°-80°	2525.9	16.7
80°-90°	624.5	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°	15127.0	100.0
0°-180°	15127.0	100.0



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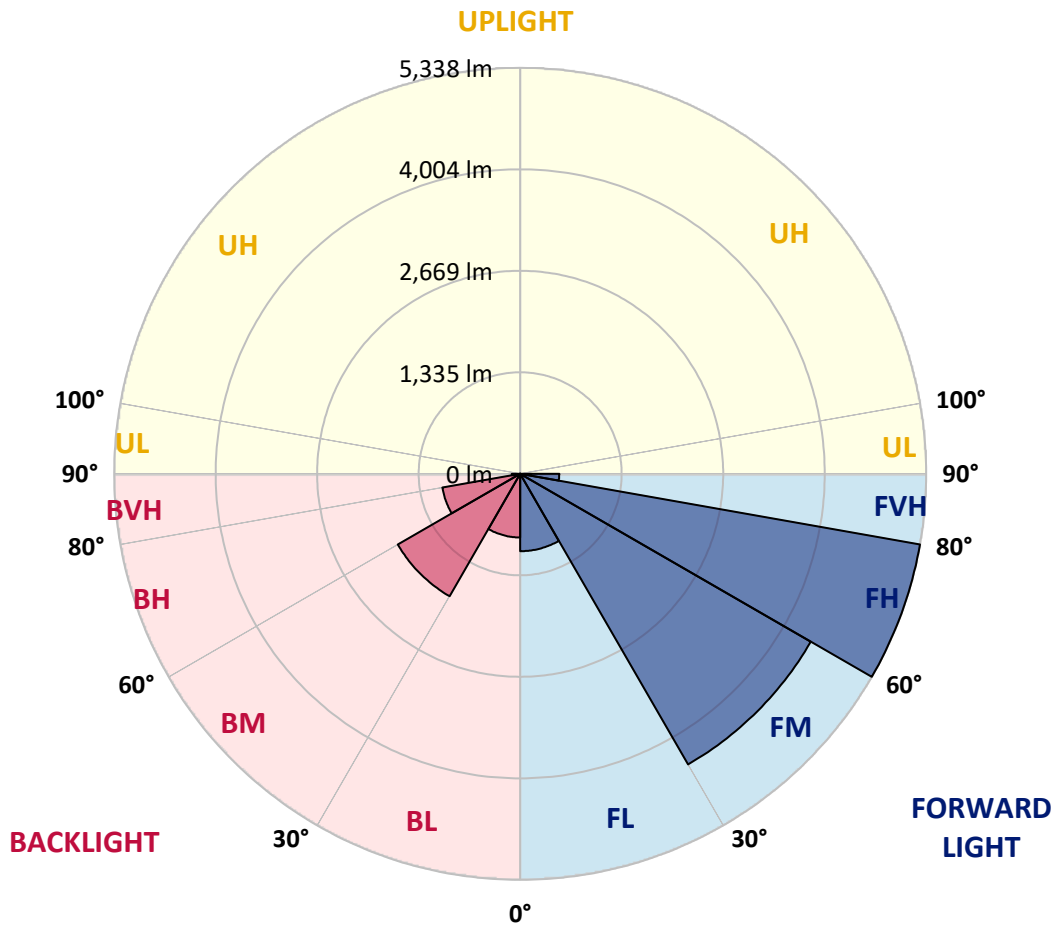
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.5	6.7			
FM (30°-60°)	4412.2	29.2			
FH (60°-80°)	5338.4	35.3			G3/7500
FVH (80°-90°)	514.4	3.4			G4/750
BL (0°-30°)	837.2	5.5	B2/1000		
BM (30°-60°)	1857.9	12.3	B2/2500		
BH (60°-80°)	1039.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	110.0	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2.5°	2236.9	2245.4	2253.9	2266.0	2278.0	2285.2	2292.4	2296.0	2299.6	2298.0
5°	2405.4	2435.0	2464.7	2494.0	2523.5	2539.5	2555.4	2565.1	2574.8	2582.2
7.5°	2574.6	2622.8	2670.9	2714.3	2757.6	2783.7	2809.8	2823.9	2838.0	2844.8
10°	2704.3	2761.3	2818.3	2869.1	2920.0	2950.8	2981.4	2995.1	3008.8	3014.0
12.5°	2783.7	2845.5	2907.2	2953.2	2999.0	3021.3	3043.7	3051.2	3058.7	3059.5
15°	2832.0	2885.3	2938.6	2967.4	2996.3	2997.1	2997.9	2989.9	2981.9	2972.5
17.5°	2859.1	2895.1	2931.1	2931.7	2932.2	2899.8	2867.5	2837.9	2808.2	2787.3
20°	2889.1	2901.6	2914.2	2876.3	2838.4	2767.0	2695.7	2643.7	2591.7	2559.8
22.5°	2923.8	2907.3	2890.9	2812.4	2733.8	2628.9	2523.9	2458.9	2393.9	2358.7
25°	2968.5	2916.6	2864.7	2745.5	2626.2	2498.7	2371.3	2302.9	2234.8	2201.4
27.5°	3029.1	2936.4	2843.6	2685.6	2527.7	2386.4	2245.2	2178.0	2110.8	2079.3
30°	3111.0	2972.6	2834.4	2639.9	2445.5	2298.3	2151.1	2088.8	2026.5	1997.1
32.5°	3207.5	3018.1	2828.8	2608.8	2388.8	2250.5	2112.2	2063.3	2014.2	1993.1
35°	3324.9	3093.1	2861.4	2632.1	2403.0	2306.9	2210.8	2199.4	2188.0	2186.3
37.5°	3522.4	3249.8	2977.1	2768.8	2560.4	2554.2	2548.0	2600.2	2652.4	2679.5
40°	3821.0	3524.4	3227.9	3073.0	2918.0	3027.4	3136.7	3263.7	3390.6	3453.8
42.5°	4216.9	3922.6	3628.4	3539.2	3450.0	3688.5	3927.0	4157.8	4388.6	4524.2
45°	4705.8	4441.5	4177.1	4137.8	4098.3	4480.4	4862.6	5241.9	5621.3	5851.6
47.5°	5317.2	5060.1	4802.9	4794.9	4786.9	5338.2	5889.2	6444.5	6999.8	7325.8
50°	6118.6	5801.0	5483.4	5484.8	5486.1	6196.5	6906.9	7639.9	8372.9	8816.0
52.5°	7038.5	6653.9	6269.4	6230.5	6191.6	7040.1	7888.7	8795.6	9702.4	10233.6
55°	8017.9	7637.9	7258.0	7106.4	6954.8	7899.2	8843.6	9924.7	11005.9	11637.7
57.5°	8908.6	8701.7	8494.8	8190.7	7886.8	8840.4	9794.0	11018.6	12243.1	13026.5
60°	9447.0	9768.4	10089.8	9712.3	9334.7	10237.2	11139.6	12450.7	13761.8	14608.5
62.5°	9173.6	10051.7	10929.8	10887.3	10844.7	11671.3	12498.1	13745.5	14992.9	15775.5
65°	8626.5	9450.6	10274.7	10437.8	10600.8	11651.4	12702.1	13911.6	15121.1	15787.5
67.5°	7893.3	8677.2	9461.0	9537.5	9613.8	10708.5	11803.0	13017.8	14232.6	14754.6
70°	7012.5	7865.1	8717.7	8751.9	8786.1	9765.0	10743.8	11789.2	12834.6	13124.7
72.5°	5962.9	6941.3	7919.7	7944.3	7968.8	8734.6	9500.5	10283.4	11066.3	11095.7
75°	4635.1	5647.7	6660.3	6751.2	6842.1	7438.0	8033.8	8585.0	9136.1	8988.5
77.5°	3311.7	4256.9	5202.2	5332.3	5462.4	5915.4	6368.4	6759.3	7150.2	6896.4
80°	2167.5	2962.7	3757.9	3919.6	4081.3	4423.4	4765.4	4970.7	5175.9	4767.6
82.5°	1259.9	1803.6	2347.3	2528.0	2708.7	2944.1	3179.6	3265.3	3350.8	3029.9
85°	554.3	842.9	1131.4	1285.1	1438.7	1632.2	1825.6	1874.2	1922.8	1665.8
87.5°	171.6	268.6	365.6	451.3	537.0	633.8	730.5	734.7	738.7	620.2
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2299.6	2.5°	2296.0	2292.4	2285.2	2278.0	2266.0	2253.9	2245.4	2236.9	2219.8	2202.6
2574.8	5°	2565.1	2555.4	2539.5	2523.5	2494.0	2464.7	2435.0	2405.4	2367.4	2329.5
2838.0	7.5°	2823.9	2809.8	2783.7	2757.6	2714.3	2670.9	2622.8	2574.6	2512.0	2449.5
3008.8	10°	2995.1	2981.4	2950.8	2920.0	2869.1	2818.3	2761.3	2704.3	2625.2	2546.1
3058.7	12.5°	3051.2	3043.7	3021.3	2999.0	2953.2	2907.2	2845.5	2783.7	2696.8	2609.9
2981.9	15°	2989.9	2997.9	2997.1	2996.3	2967.4	2938.6	2885.3	2832.0	2741.4	2650.8
2808.2	17.5°	2837.9	2867.5	2899.8	2932.2	2931.7	2931.1	2895.1	2859.1	2767.3	2675.4
2591.7	20°	2643.7	2695.7	2767.0	2838.4	2876.3	2914.2	2901.6	2889.1	2793.6	2698.1
2393.9	22.5°	2458.9	2523.9	2628.9	2733.8	2812.4	2890.9	2907.3	2923.8	2826.2	2728.6
2234.8	25°	2302.9	2371.3	2498.7	2626.2	2745.5	2864.7	2916.6	2968.5	2872.9	2777.3
2110.8	27.5°	2178.0	2245.2	2386.4	2527.7	2685.6	2843.6	2936.4	3029.1	2938.0	2846.8
2026.5	30°	2088.8	2151.1	2298.3	2445.5	2639.9	2834.4	2972.6	3111.0	3022.8	2934.8
2014.2	32.5°	2063.3	2112.2	2250.5	2388.8	2608.8	2828.8	3018.1	3207.5	3120.3	3033.1
2188.0	35°	2199.4	2210.8	2306.9	2403.0	2632.1	2861.4	3093.1	3324.9	3241.4	3157.8
2652.4	37.5°	2600.2	2548.0	2554.2	2560.4	2768.8	2977.1	3249.8	3522.4	3415.9	3309.5
3390.6	40°	3263.7	3136.7	3027.4	2918.0	3073.0	3227.9	3524.4	3821.0	3665.8	3510.6
4388.6	42.5°	4157.8	3927.0	3688.5	3450.0	3539.2	3628.4	3922.6	4216.9	3992.9	3768.9
5621.3	45°	5241.9	4862.6	4480.4	4098.3	4137.8	4177.1	4441.5	4705.8	4403.6	4101.5
6999.8	47.5°	6444.5	5889.2	5338.2	4786.9	4794.9	4802.9	5060.1	5317.2	4892.0	4466.7
8372.9	50°	7639.9	6906.9	6196.5	5486.1	5484.8	5483.4	5801.0	6118.6	5477.5	4836.4
9702.4	52.5°	8795.6	7888.7	7040.1	6191.6	6230.5	6269.4	6653.9	7038.5	6092.6	5146.8
11005.9	55°	9924.7	8843.6	7899.2	6954.8	7106.4	7258.0	7637.9	8017.9	6637.9	5258.1
12243.1	57.5°	11018.6	9794.0	8840.4	7886.8	8190.7	8494.8	8701.7	8908.6	7024.4	5140.2
13761.8	60°	12450.7	11139.6	10237.2	9334.7	9712.3	10089.8	9768.4	9447.0	7121.0	4794.9
14992.9	62.5°	13745.5	12498.1	11671.3	10844.7	10887.3	10929.8	10051.7	9173.6	6714.3	4255.0
15121.1	65°	13911.6	12702.1	11651.4	10600.8	10437.8	10274.7	9450.6	8626.5	6138.9	3651.3
14232.6	67.5°	13017.8	11803.0	10708.5	9613.8	9537.5	9461.0	8677.2	7893.3	5454.1	3014.9
12834.6	70°	11789.2	10743.8	9765.0	8786.1	8751.9	8717.7	7865.1	7012.5	4706.9	2401.4
11066.3	72.5°	10283.4	9500.5	8734.6	7968.8	7944.3	7919.7	6941.3	5962.9	3896.9	1831.1
9136.1	75°	8585.0	8033.8	7438.0	6842.1	6751.2	6660.3	5647.7	4635.1	2968.4	1301.7
7150.2	77.5°	6759.3	6368.4	5915.4	5462.4	5332.3	5202.2	4256.9	3311.7	2077.6	843.5
5175.9	80°	4970.7	4765.4	4423.4	4081.3	3919.6	3757.9	2962.7	2167.5	1338.6	509.6
3350.8	82.5°	3265.3	3179.6	2944.1	2708.7	2528.0	2347.3	1803.6	1259.9	774.7	289.6
1922.8	85°	1874.2	1825.6	1632.2	1438.7	1285.1	1131.4	842.9	554.3	348.5	142.7
738.7	87.5°	734.7	730.5	633.8	537.0	451.3	365.6	268.6	171.6	114.1	56.7
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2184.3	2.5°	2166.1	2147.8	2129.4	2111.9	2094.3	2077.3	2058.4	2043.1	2027.8	2014.0
2291.7	5°	2253.9	2215.9	2177.9	2142.4	2106.8	2073.3	2040.2	2011.3	1982.3	1958.0
2391.7	7.5°	2333.9	2277.6	2221.4	2171.8	2122.2	2076.5	2033.6	1995.2	1956.8	1924.8
2469.7	10°	2393.4	2325.1	2256.7	2198.1	2139.3	2082.9	2036.8	1996.3	1955.7	1923.8
2523.4	12.5°	2436.9	2356.3	2275.7	2209.3	2143.0	2083.7	2040.8	2007.6	1974.6	1953.3
2556.9	15°	2463.1	2370.2	2277.4	2200.6	2123.8	2058.1	2023.8	2007.9	1992.1	1995.0
2573.0	17.5°	2470.6	2362.8	2255.1	2162.7	2070.4	1993.1	1971.9	1977.8	1983.5	2018.3
2585.5	20°	2473.0	2342.4	2211.8	2097.3	1982.9	1892.9	1887.3	1914.5	1941.6	2002.0
2602.4	22.5°	2476.2	2317.3	2158.5	2020.6	1882.8	1780.4	1791.3	1831.5	1871.6	1940.6
2633.1	25°	2488.8	2292.6	2096.5	1935.0	1773.6	1668.6	1698.2	1744.5	1790.7	1852.8
2681.0	27.5°	2515.1	2276.0	2037.0	1856.7	1676.4	1580.8	1616.7	1661.4	1706.1	1757.1
2743.0	30°	2551.2	2268.3	1985.3	1791.2	1597.2	1517.0	1545.1	1580.6	1616.2	1658.5
2807.7	32.5°	2582.3	2258.7	1935.0	1734.8	1534.5	1469.9	1482.4	1503.4	1524.4	1558.2
2881.5	35°	2605.1	2240.7	1876.4	1679.3	1482.2	1428.4	1423.2	1428.9	1434.8	1460.5
2964.1	37.5°	2618.7	2209.8	1800.9	1614.0	1427.2	1380.1	1361.1	1354.7	1348.3	1366.8
3069.0	40°	2627.3	2167.3	1707.3	1536.1	1364.9	1322.2	1293.1	1278.6	1264.2	1277.5
3206.2	42.5°	2643.5	2123.4	1603.4	1450.2	1296.9	1257.6	1220.8	1201.7	1182.5	1193.4
3386.7	45°	2672.0	2082.6	1493.3	1358.8	1224.4	1184.5	1149.0	1130.3	1111.7	1120.8
3579.1	47.5°	2691.5	2048.9	1406.3	1286.6	1167.0	1115.5	1084.9	1069.3	1053.6	1062.2
3757.6	50°	2678.7	2012.2	1345.6	1238.6	1131.7	1064.0	1028.5	1014.6	1000.8	1014.2
3873.5	52.5°	2600.1	1950.1	1300.3	1207.0	1113.9	1036.1	986.4	972.7	959.0	979.2
3847.9	55°	2437.7	1847.3	1257.0	1184.1	1111.2	1038.8	964.1	942.3	920.7	949.4
3668.2	57.5°	2196.2	1702.4	1208.5	1157.0	1105.5	1041.6	950.6	919.0	887.4	918.2
3333.7	60°	1872.4	1514.2	1155.9	1115.5	1075.0	1032.9	938.0	897.1	856.1	883.1
2881.3	62.5°	1507.6	1288.9	1070.2	1043.3	1016.5	1011.3	923.4	872.1	820.9	838.1
2419.8	65°	1188.4	1086.3	984.2	971.5	958.8	959.4	892.4	837.9	783.4	790.1
1967.7	67.5°	920.5	891.5	862.4	869.6	876.6	874.8	837.1	791.8	746.5	744.4
1549.3	70°	697.2	705.5	713.7	746.6	779.4	779.4	767.1	734.8	702.6	695.4
1184.4	72.5°	537.8	562.8	587.9	634.5	681.0	688.8	689.0	666.9	644.8	634.2
859.7	75°	417.6	440.3	463.0	515.2	567.4	603.4	600.4	583.4	566.3	556.3
582.5	77.5°	321.5	336.9	352.4	403.1	453.8	513.2	511.6	498.0	484.3	474.1
375.3	80°	241.1	247.4	253.8	296.8	339.6	410.7	410.4	399.0	387.5	379.0
230.8	82.5°	172.3	173.4	174.6	206.3	237.9	298.5	301.9	296.3	290.7	284.6
123.4	85°	104.2	103.6	103.0	126.1	149.3	194.4	198.8	192.8	186.8	180.0
51.2	87.5°	45.7	45.1	44.5	54.0	63.5	82.2	87.8	85.4	83.0	81.7
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2000.3	2.5°	1988.2	1976.2	1964.0	1952.0	1942.6	1933.2	1925.6	1918.1	1912.2	1906.2
1933.9	5°	1912.5	1891.1	1871.7	1852.2	1837.3	1822.3	1811.8	1801.4	1793.9	1786.5
1892.9	7.5°	1866.0	1839.0	1815.3	1791.5	1773.7	1756.0	1743.6	1731.1	1722.6	1714.1
1891.9	10°	1862.9	1833.9	1807.1	1780.4	1759.1	1737.8	1723.9	1709.9	1701.8	1693.8
1932.3	12.5°	1909.4	1886.8	1859.1	1831.5	1804.3	1777.2	1759.2	1741.3	1732.2	1723.3
1997.9	15°	1992.0	1986.1	1962.0	1938.0	1899.4	1860.7	1833.5	1806.2	1793.6	1781.2
2053.1	17.5°	2071.6	2090.1	2070.7	2051.4	2000.2	1949.0	1908.8	1868.6	1850.1	1831.5
2062.5	20°	2101.2	2140.0	2131.0	2122.0	2063.5	2005.1	1955.7	1906.5	1882.8	1859.0
2009.7	22.5°	2060.1	2110.4	2115.9	2121.2	2065.3	2009.5	1958.7	1907.8	1882.9	1857.8
1914.9	25°	1964.4	2014.0	2032.5	2051.0	2005.1	1959.4	1914.2	1869.2	1847.5	1825.9
1808.1	27.5°	1847.8	1887.6	1908.2	1928.8	1896.2	1863.6	1828.6	1793.5	1779.0	1764.4
1700.8	30°	1733.8	1766.8	1783.6	1800.3	1775.5	1750.6	1725.5	1700.3	1692.9	1685.4
1592.0	32.5°	1623.6	1655.3	1673.9	1692.6	1669.7	1646.8	1626.8	1606.8	1601.9	1597.0
1486.2	35°	1517.5	1548.9	1571.2	1593.6	1577.3	1561.1	1542.6	1524.2	1516.7	1509.4
1385.3	37.5°	1416.5	1447.8	1475.4	1503.0	1495.5	1488.0	1471.0	1453.9	1440.4	1427.0
1290.8	40°	1321.0	1351.2	1383.0	1414.8	1416.6	1418.4	1403.9	1389.5	1369.9	1350.4
1204.3	42.5°	1232.9	1261.5	1295.9	1330.2	1339.4	1348.5	1336.3	1324.2	1299.9	1275.5
1130.1	45°	1157.2	1184.4	1220.0	1255.6	1268.7	1281.9	1270.9	1259.9	1232.1	1204.3
1070.8	47.5°	1097.4	1123.9	1159.0	1194.1	1209.3	1224.4	1216.8	1209.1	1184.4	1159.6
1027.7	50°	1052.7	1077.7	1109.2	1140.6	1160.1	1179.6	1179.1	1178.8	1159.0	1139.2
999.3	52.5°	1022.3	1045.2	1074.5	1103.9	1127.0	1150.0	1154.2	1158.3	1142.2	1126.1
977.9	55°	1002.7	1027.4	1053.1	1078.8	1103.2	1127.7	1133.4	1139.2	1125.1	1111.1
949.1	57.5°	978.1	1007.2	1032.5	1058.0	1082.7	1107.3	1113.1	1118.9	1104.7	1090.5
910.1	60°	943.5	976.8	1002.6	1028.5	1053.2	1078.0	1084.3	1090.7	1076.8	1063.0
855.3	62.5°	894.1	933.1	960.6	988.2	1010.8	1033.5	1039.6	1045.8	1033.3	1020.7
796.6	65°	838.3	880.0	906.3	932.7	952.6	972.6	978.9	985.1	973.1	961.0
742.3	67.5°	780.8	819.3	844.3	869.2	886.5	903.7	909.9	915.9	904.8	893.8
688.2	70°	722.0	755.9	777.4	799.0	814.6	830.1	836.0	841.9	832.9	823.9
623.8	72.5°	650.4	677.0	696.5	716.0	731.2	746.5	753.5	760.5	753.0	745.5
546.1	75°	565.9	585.7	603.4	621.0	634.9	648.8	656.1	663.5	659.8	656.1
463.9	77.5°	480.0	496.1	511.2	526.4	541.0	555.5	562.4	569.3	564.2	558.9
370.4	80°	383.8	397.1	409.9	422.6	433.7	444.8	453.9	463.0	460.7	458.6
278.6	82.5°	277.5	276.3	271.9	267.4	291.0	314.6	330.1	345.6	344.7	343.6
173.2	85°	167.5	161.6	149.3	136.9	159.0	181.2	200.3	219.5	217.9	216.3
80.5	87.5°	80.2	80.0	70.6	61.1	70.3	79.7	87.4	95.1	93.2	91.2
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
1900.8	2.5°	1895.3	1888.5	1895.3	1900.8	1906.2	1912.2	1918.1	1925.6	1933.2	1942.6
1780.8	5°	1775.2	1769.6	1775.2	1780.8	1786.5	1793.9	1801.4	1811.8	1822.3	1837.3
1709.0	7.5°	1704.0	1700.2	1704.0	1709.0	1714.1	1722.6	1731.1	1743.6	1756.0	1773.7
1689.5	10°	1685.1	1683.4	1685.1	1689.5	1693.8	1701.8	1709.9	1723.9	1737.8	1759.1
1719.6	12.5°	1716.0	1715.3	1716.0	1719.6	1723.3	1732.2	1741.3	1759.2	1777.2	1804.3
1776.4	15°	1771.6	1771.2	1771.6	1776.4	1781.2	1793.6	1806.2	1833.5	1860.7	1899.4
1825.4	17.5°	1819.2	1818.3	1819.2	1825.4	1831.5	1850.1	1868.6	1908.8	1949.0	2000.2
1851.4	20°	1843.8	1841.4	1843.8	1851.4	1859.0	1882.8	1906.5	1955.7	2005.1	2063.5
1849.4	22.5°	1841.0	1837.4	1841.0	1849.4	1857.8	1882.9	1907.8	1958.7	2009.5	2065.3
1818.0	25°	1810.1	1805.5	1810.1	1818.0	1825.9	1847.5	1869.2	1914.2	1959.4	2005.1
1760.8	27.5°	1757.2	1756.0	1757.2	1760.8	1764.4	1779.0	1793.5	1828.6	1863.6	1896.2
1685.4	30°	1685.4	1686.6	1685.4	1685.4	1685.4	1692.9	1700.3	1725.5	1750.6	1775.5
1597.7	32.5°	1598.4	1599.6	1598.4	1597.7	1597.0	1601.9	1606.8	1626.8	1646.8	1669.7
1507.8	35°	1506.2	1505.4	1506.2	1507.8	1509.4	1516.7	1524.2	1542.6	1561.1	1577.3
1419.9	37.5°	1412.8	1408.8	1412.8	1419.9	1427.0	1440.4	1453.9	1471.0	1488.0	1495.5
1337.1	40°	1324.0	1316.2	1324.0	1337.1	1350.4	1369.9	1389.5	1403.9	1418.4	1416.6
1256.3	42.5°	1237.0	1224.4	1237.0	1256.3	1275.5	1299.9	1324.2	1336.3	1348.5	1339.4
1181.7	45°	1159.1	1144.6	1159.1	1181.7	1204.3	1232.1	1259.9	1270.9	1281.9	1268.7
1138.7	47.5°	1117.9	1103.9	1117.9	1138.7	1159.6	1184.4	1209.1	1216.8	1224.4	1209.3
1119.9	50°	1100.5	1087.1	1100.5	1119.9	1139.2	1159.0	1178.8	1179.1	1179.6	1160.1
1108.8	52.5°	1091.5	1079.2	1091.5	1108.8	1126.1	1142.2	1158.3	1154.2	1150.0	1127.0
1095.9	55°	1080.8	1069.6	1080.8	1095.9	1111.1	1125.1	1139.2	1133.4	1127.7	1103.2
1075.5	57.5°	1060.4	1048.8	1060.4	1075.5	1090.5	1104.7	1118.9	1113.1	1107.3	1082.7
1047.5	60°	1032.1	1020.1	1032.1	1047.5	1063.0	1076.8	1090.7	1084.3	1078.0	1053.2
1004.4	62.5°	988.2	973.8	988.2	1004.4	1020.7	1033.3	1045.8	1039.6	1033.5	1010.8
945.2	65°	929.5	917.1	929.5	945.2	961.0	973.1	985.1	978.9	972.6	952.6
879.1	67.5°	864.4	853.3	864.4	879.1	893.8	904.8	915.9	909.9	903.7	886.5
809.8	70°	795.8	783.0	795.8	809.8	823.9	832.9	841.9	836.0	830.1	814.6
732.1	72.5°	718.8	706.4	718.8	732.1	745.5	753.0	760.5	753.5	746.5	731.2
644.9	75°	633.6	621.8	633.6	644.9	656.1	659.8	663.5	656.1	648.8	634.9
547.6	77.5°	536.2	526.8	536.2	547.6	558.9	564.2	569.3	562.4	555.5	541.0
443.3	80°	428.0	410.3	428.0	443.3	458.6	460.7	463.0	453.9	444.8	433.7
330.8	82.5°	317.8	306.5	317.8	330.8	343.6	344.7	345.6	330.1	314.6	291.0
206.3	85°	196.2	186.0	196.2	206.3	216.3	217.9	219.5	200.3	181.2	159.0
86.0	87.5°	80.8	75.8	80.8	86.0	91.2	93.2	95.1	87.4	79.7	70.3
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
1952.0	2.5°	1964.0	1976.2	1988.2	2000.3	2014.0	2027.8	2043.1	2058.4	2077.3	2094.3
1852.2	5°	1871.7	1891.1	1912.5	1933.9	1958.0	1982.3	2011.3	2040.2	2073.3	2106.8
1791.5	7.5°	1815.3	1839.0	1866.0	1892.9	1924.8	1956.8	1995.2	2033.6	2076.5	2122.2
1780.4	10°	1807.1	1833.9	1862.9	1891.9	1923.8	1955.7	1996.3	2036.8	2082.9	2139.3
1831.5	12.5°	1859.1	1886.8	1909.4	1932.3	1953.3	1974.6	2007.6	2040.8	2083.7	2143.0
1938.0	15°	1962.0	1986.1	1992.0	1997.9	1995.0	1992.1	2007.9	2023.8	2058.1	2123.8
2051.4	17.5°	2070.7	2090.1	2071.6	2053.1	2018.3	1983.5	1977.8	1971.9	1993.1	2070.4
2122.0	20°	2131.0	2140.0	2101.2	2062.5	2002.0	1941.6	1914.5	1887.3	1892.9	1982.9
2121.2	22.5°	2115.9	2110.4	2060.1	2009.7	1940.6	1871.6	1831.5	1791.3	1780.4	1882.8
2051.0	25°	2032.5	2014.0	1964.4	1914.9	1852.8	1790.7	1744.5	1698.2	1668.6	1773.6
1928.8	27.5°	1908.2	1887.6	1847.8	1808.1	1757.1	1706.1	1661.4	1616.7	1580.8	1676.4
1800.3	30°	1783.6	1766.8	1733.8	1700.8	1658.5	1616.2	1580.6	1545.1	1517.0	1597.2
1692.6	32.5°	1673.9	1655.3	1623.6	1592.0	1558.2	1524.4	1503.4	1482.4	1469.9	1534.5
1593.6	35°	1571.2	1548.9	1517.5	1486.2	1460.5	1434.8	1428.9	1423.2	1428.4	1482.2
1503.0	37.5°	1475.4	1447.8	1416.5	1385.3	1366.8	1348.3	1354.7	1361.1	1380.1	1427.2
1414.8	40°	1383.0	1351.2	1321.0	1290.8	1277.5	1264.2	1278.6	1293.1	1322.2	1364.9
1330.2	42.5°	1295.9	1261.5	1232.9	1204.3	1193.4	1182.5	1201.7	1220.8	1257.6	1296.9
1255.6	45°	1220.0	1184.4	1157.2	1130.1	1120.8	1111.7	1130.3	1149.0	1184.5	1224.4
1194.1	47.5°	1159.0	1123.9	1097.4	1070.8	1062.2	1053.6	1069.3	1084.9	1115.5	1167.0
1140.6	50°	1109.2	1077.7	1052.7	1027.7	1014.2	1000.8	1014.6	1028.5	1064.0	1131.7
1103.9	52.5°	1074.5	1045.2	1022.3	999.3	979.2	959.0	972.7	986.4	1036.1	1113.9
1078.8	55°	1053.1	1027.4	1002.7	977.9	949.4	920.7	942.3	964.1	1038.8	1111.2
1058.0	57.5°	1032.5	1007.2	978.1	949.1	918.2	887.4	919.0	950.6	1041.6	1105.5
1028.5	60°	1002.6	976.8	943.5	910.1	883.1	856.1	897.1	938.0	1032.9	1075.0
988.2	62.5°	960.6	933.1	894.1	855.3	838.1	820.9	872.1	923.4	1011.3	1016.5
932.7	65°	906.3	880.0	838.3	796.6	790.1	783.4	837.9	892.4	959.4	958.8
869.2	67.5°	844.3	819.3	780.8	742.3	744.4	746.5	791.8	837.1	874.8	876.6
799.0	70°	777.4	755.9	722.0	688.2	695.4	702.6	734.8	767.1	779.4	779.4
716.0	72.5°	696.5	677.0	650.4	623.8	634.2	644.8	666.9	689.0	688.8	681.0
621.0	75°	603.4	585.7	565.9	546.1	556.3	566.3	583.4	600.4	603.4	567.4
526.4	77.5°	511.2	496.1	480.0	463.9	474.1	484.3	498.0	511.6	513.2	453.8
422.6	80°	409.9	397.1	383.8	370.4	379.0	387.5	399.0	410.4	410.7	339.6
267.4	82.5°	271.9	276.3	277.5	278.6	284.6	290.7	296.3	301.9	298.5	237.9
136.9	85°	149.3	161.6	167.5	173.2	180.0	186.8	192.8	198.8	194.4	149.3
61.1	87.5°	70.6	80.0	80.2	80.5	81.7	83.0	85.4	87.8	82.2	63.5
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2111.9	2.5°	2129.4	2147.8	2166.1	2184.3	2202.6	2219.8	2236.9
2142.4	5°	2177.9	2215.9	2253.9	2291.7	2329.5	2367.4	2405.4
2171.8	7.5°	2221.4	2277.6	2333.9	2391.7	2449.5	2512.0	2574.6
2198.1	10°	2256.7	2325.1	2393.4	2469.7	2546.1	2625.2	2704.3
2209.3	12.5°	2275.7	2356.3	2436.9	2523.4	2609.9	2696.8	2783.7
2200.6	15°	2277.4	2370.2	2463.1	2556.9	2650.8	2741.4	2832.0
2162.7	17.5°	2255.1	2362.8	2470.6	2573.0	2675.4	2767.3	2859.1
2097.3	20°	2211.8	2342.4	2473.0	2585.5	2698.1	2793.6	2889.1
2020.6	22.5°	2158.5	2317.3	2476.2	2602.4	2728.6	2826.2	2923.8
1935.0	25°	2096.5	2292.6	2488.8	2633.1	2777.3	2872.9	2968.5
1856.7	27.5°	2037.0	2276.0	2515.1	2681.0	2846.8	2938.0	3029.1
1791.2	30°	1985.3	2268.3	2551.2	2743.0	2934.8	3022.8	3111.0
1734.8	32.5°	1935.0	2258.7	2582.3	2807.7	3033.1	3120.3	3207.5
1679.3	35°	1876.4	2240.7	2605.1	2881.5	3157.8	3241.4	3324.9
1614.0	37.5°	1800.9	2209.8	2618.7	2964.1	3309.5	3415.9	3522.4
1536.1	40°	1707.3	2167.3	2627.3	3069.0	3510.6	3665.8	3821.0
1450.2	42.5°	1603.4	2123.4	2643.5	3206.2	3768.9	3992.9	4216.9
1358.8	45°	1493.3	2082.6	2672.0	3386.7	4101.5	4403.6	4705.8
1286.6	47.5°	1406.3	2048.9	2691.5	3579.1	4466.7	4892.0	5317.2
1238.6	50°	1345.6	2012.2	2678.7	3757.6	4836.4	5477.5	6118.6
1207.0	52.5°	1300.3	1950.1	2600.1	3873.5	5146.8	6092.6	7038.5
1184.1	55°	1257.0	1847.3	2437.7	3847.9	5258.1	6637.9	8017.9
1157.0	57.5°	1208.5	1702.4	2196.2	3668.2	5140.2	7024.4	8908.6
1115.5	60°	1155.9	1514.2	1872.4	3333.7	4794.9	7121.0	9447.0
1043.3	62.5°	1070.2	1288.9	1507.6	2881.3	4255.0	6714.3	9173.6
971.5	65°	984.2	1086.3	1188.4	2419.8	3651.3	6138.9	8626.5
869.6	67.5°	862.4	891.5	920.5	1967.7	3014.9	5454.1	7893.3
746.6	70°	713.7	705.5	697.2	1549.3	2401.4	4706.9	7012.5
634.5	72.5°	587.9	562.8	537.8	1184.4	1831.1	3896.9	5962.9
515.2	75°	463.0	440.3	417.6	859.7	1301.7	2968.4	4635.1
403.1	77.5°	352.4	336.9	321.5	582.5	843.5	2077.6	3311.7
296.8	80°	253.8	247.4	241.1	375.3	509.6	1338.6	2167.5
206.3	82.5°	174.6	173.4	172.3	230.8	289.6	774.7	1259.9
126.1	85°	103.0	103.6	104.2	123.4	142.7	348.5	554.3
54.0	87.5°	44.5	45.1	45.7	51.2	56.7	114.1	171.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)