

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: P947780

Luminaire Tested: **GALN-SB3A-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947780
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-740-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 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: 14188 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

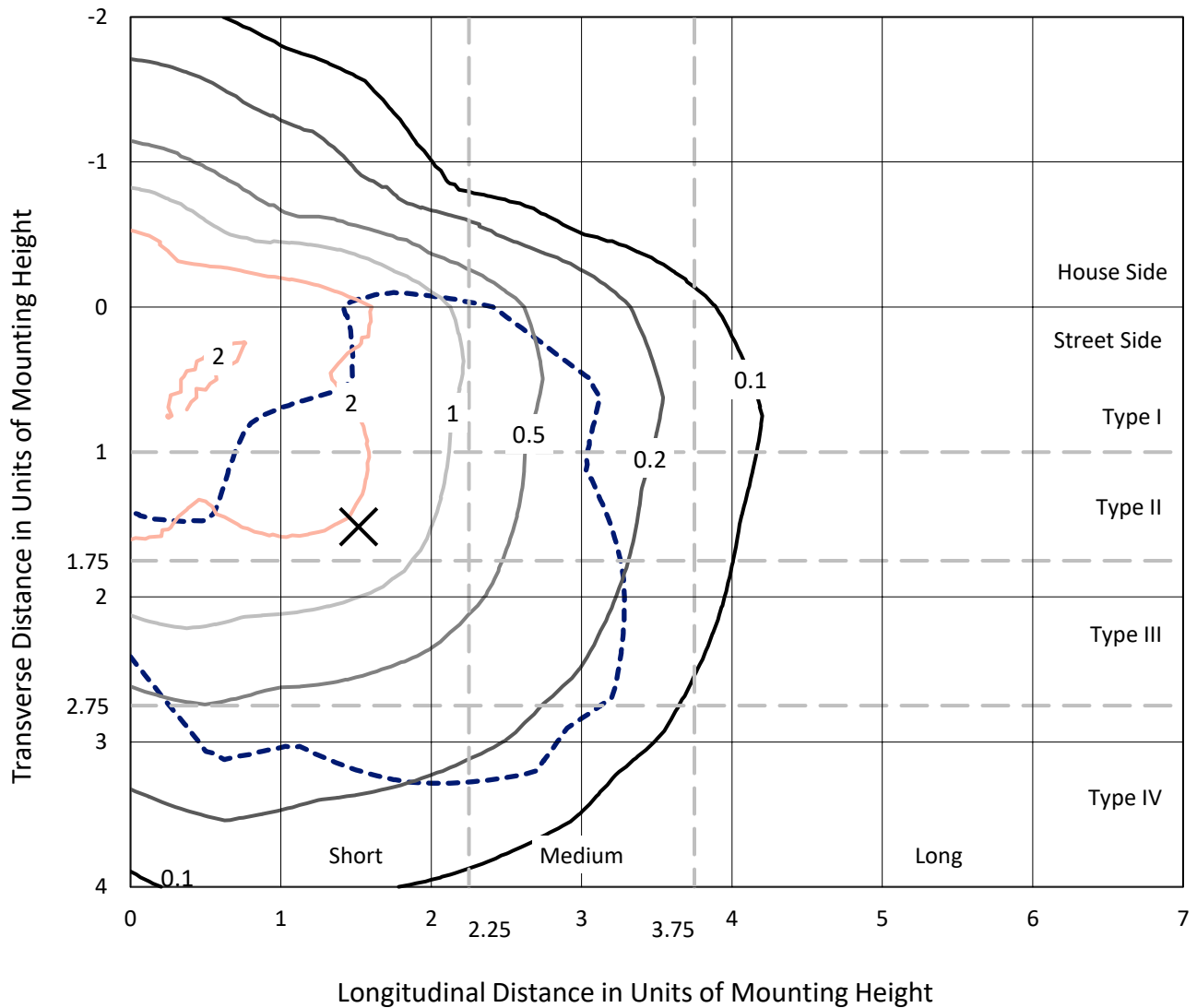
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

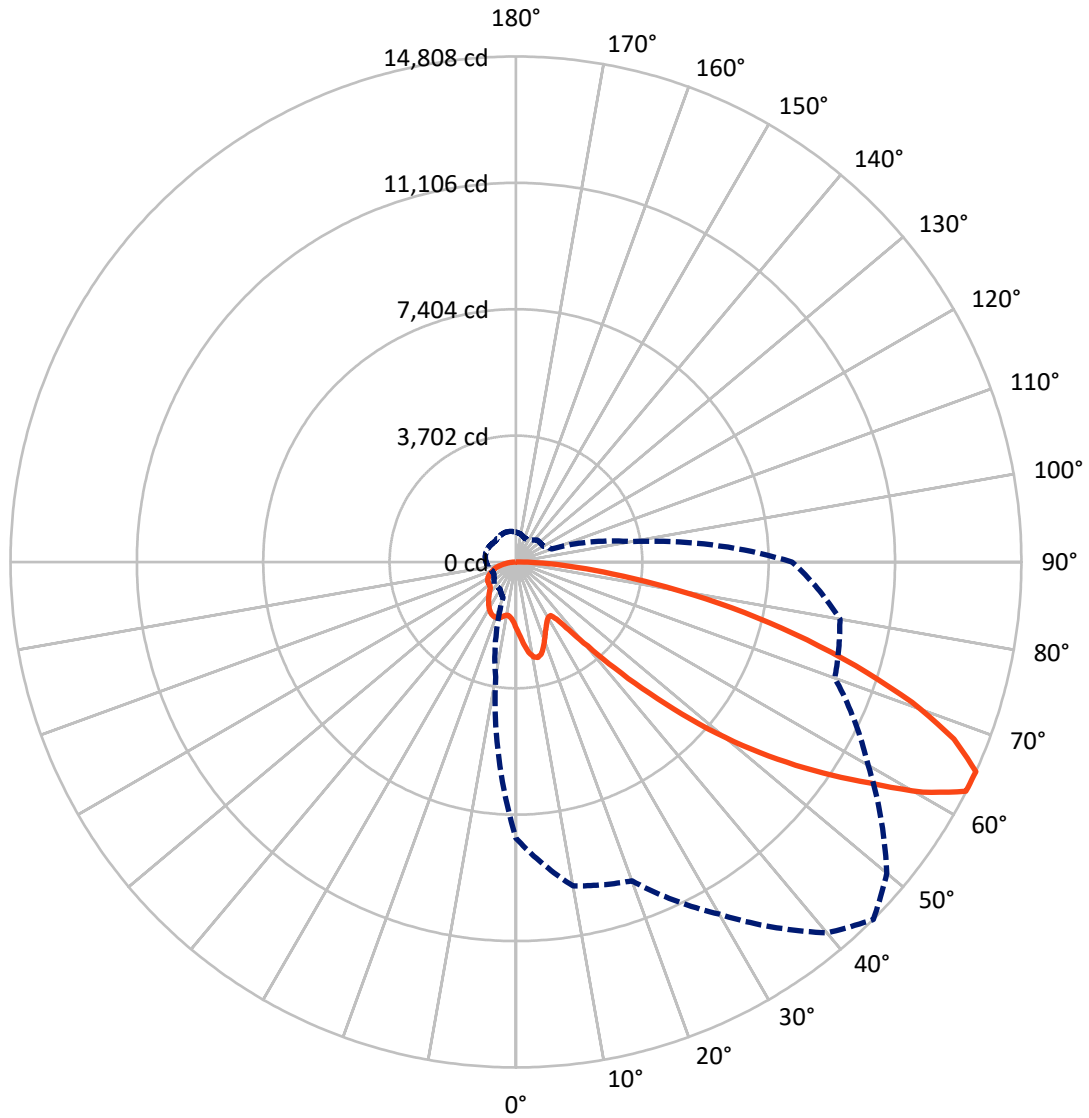
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	3605.9	0.0	3605.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10582.1	0.0	10582.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	14188.0	0.0	14188.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	1.4
10°-20°	607.5	4.3
20°-30°	938.4	6.6
30°-40°	1189.2	8.4
40°-50°	1793.7	12.6
50°-60°	2898.0	20.4
60°-70°	3612.8	25.5
70°-80°	2369.1	16.7
80°-90°	585.7	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°	14188.0	100.0
0°-180°	14188.0	100.0



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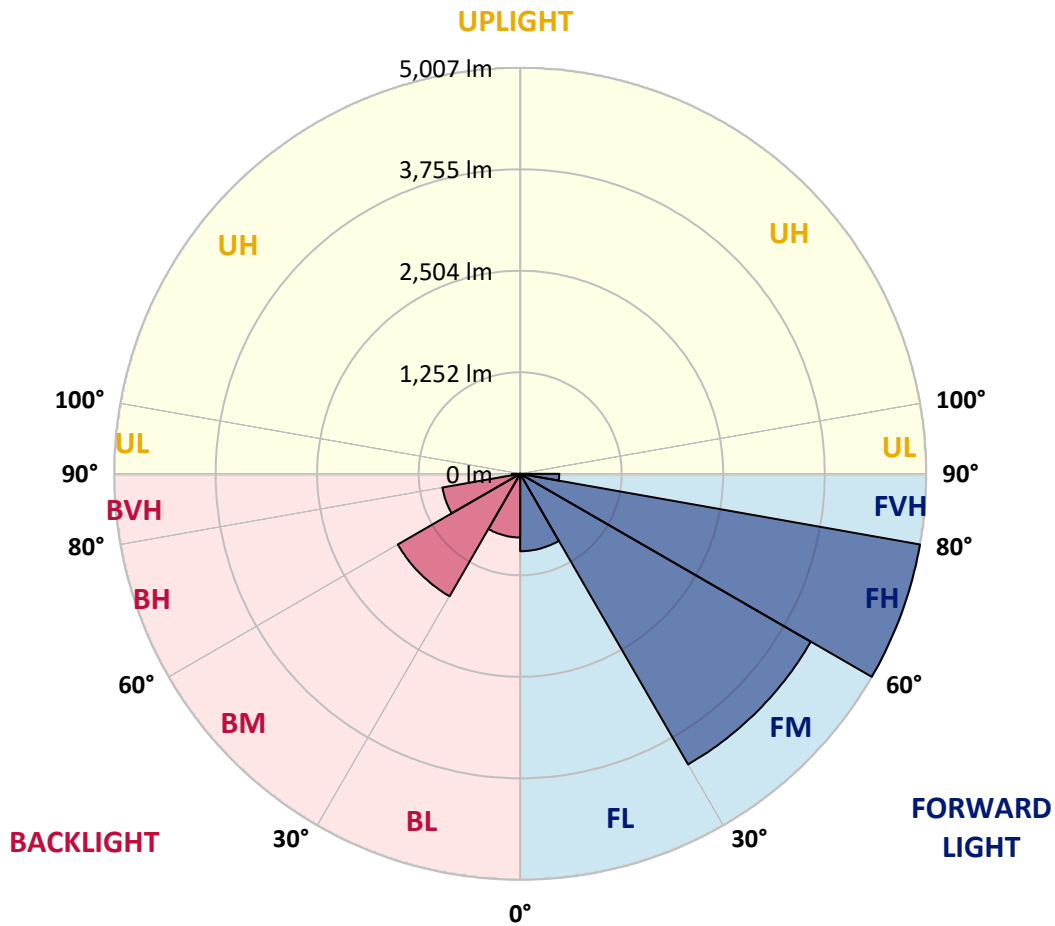
CATALOG NUMBER: GALN-SB3A-740-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	954.3	6.7			
FM	(30°-60°)	4138.3	29.2			
FH	(60°-80°)	5007.0	35.3			G3/7500
FVH	(80°-90°)	482.5	3.4			G3/500
BL	(0°-30°)	785.2	5.5	B2/1000		
BM	(30°-60°)	1742.6	12.3	B2/2500		
BH	(60°-80°)	974.9	6.9	B2/1000		G2/1000
BVH	(80°-90°)	103.2	0.7			G2/225
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°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	2098.1	2106.0	2114.0	2125.3	2136.6	2143.4	2150.1	2153.5	2156.8	2155.4
5°	2256.0	2283.8	2311.7	2339.2	2366.8	2381.8	2396.8	2405.8	2415.0	2421.9
7.5°	2414.8	2460.0	2505.1	2545.8	2586.4	2610.9	2635.4	2648.6	2661.8	2668.2
10°	2536.4	2589.9	2643.3	2691.0	2738.7	2767.6	2796.3	2809.2	2822.0	2826.9
12.5°	2610.9	2668.8	2726.7	2769.8	2812.8	2833.8	2854.7	2861.8	2868.8	2869.6
15°	2656.2	2706.2	2756.1	2783.2	2810.3	2811.0	2811.8	2804.3	2796.8	2788.0
17.5°	2681.7	2715.4	2749.2	2749.7	2750.2	2719.8	2689.5	2661.7	2633.9	2614.3
20°	2709.7	2721.5	2733.3	2697.7	2662.2	2595.3	2528.3	2479.6	2430.9	2400.9
22.5°	2742.3	2726.9	2711.4	2637.8	2564.1	2465.7	2367.2	2306.3	2245.3	2212.2
25°	2784.2	2735.6	2686.9	2575.0	2463.2	2343.6	2224.1	2160.0	2096.1	2064.8
27.5°	2841.1	2754.1	2667.1	2518.9	2370.8	2238.3	2105.8	2042.8	1979.8	1950.2
30°	2917.8	2788.1	2658.4	2476.1	2293.7	2155.7	2017.6	1959.1	1900.7	1873.1
32.5°	3008.4	2830.8	2653.2	2446.9	2240.5	2110.8	1981.1	1935.2	1889.2	1869.4
35°	3118.5	2901.1	2683.7	2468.7	2253.8	2163.7	2073.6	2062.9	2052.2	2050.5
37.5°	3303.8	3048.0	2792.3	2596.9	2401.5	2395.7	2389.8	2438.8	2487.8	2513.2
40°	3583.8	3305.6	3027.5	2882.2	2736.9	2839.5	2942.0	3061.1	3180.1	3239.4
42.5°	3955.1	3679.1	3403.2	3319.5	3235.8	3459.5	3683.2	3899.7	4116.2	4243.3
45°	4413.6	4165.8	3917.8	3880.9	3843.9	4202.3	4560.8	4916.5	5272.3	5488.3
47.5°	4987.1	4746.0	4504.8	4497.3	4489.8	5006.8	5523.7	6044.5	6565.3	6871.1
50°	5738.7	5440.9	5143.1	5144.3	5145.6	5811.9	6478.2	7165.7	7853.1	8268.8
52.5°	6601.6	6240.9	5880.2	5843.8	5807.2	6603.1	7399.0	8249.6	9100.2	9598.4
55°	7520.2	7163.8	6807.4	6665.3	6523.1	7408.9	8294.6	9308.7	10322.7	10915.3
57.5°	8355.6	8161.6	7967.5	7682.3	7397.2	8291.6	9186.0	10334.6	11483.1	12217.9
60°	8860.6	9162.0	9463.5	9109.4	8755.3	9601.7	10448.1	11677.8	12907.6	13701.7
62.5°	8604.2	9427.8	10251.4	10211.5	10171.5	10946.9	11722.3	12892.3	14062.2	14796.2
65°	8091.0	8864.0	9636.9	9789.9	9942.8	10928.1	11913.6	13048.1	14182.5	14807.5
67.5°	7403.4	8138.5	8873.7	8945.4	9017.1	10043.8	11070.4	12209.7	13349.1	13838.7
70°	6577.2	7376.9	8176.6	8208.6	8240.7	9158.9	10076.9	11057.4	12037.9	12310.0
72.5°	5592.8	6510.4	7428.1	7451.1	7474.1	8192.4	8910.8	9645.1	10379.4	10406.9
75°	4347.4	5297.1	6246.9	6332.1	6417.4	6976.3	7535.1	8052.1	8569.0	8430.5
77.5°	3106.1	3992.7	4879.3	5001.3	5123.4	5548.2	5973.1	6339.7	6706.4	6468.3
80°	2032.9	2778.8	3524.6	3676.3	3828.0	4148.8	4469.6	4662.1	4854.6	4471.7
82.5°	1181.7	1691.6	2201.6	2371.0	2540.5	2761.4	2982.2	3062.6	3142.8	2841.9
85°	519.9	790.6	1061.2	1205.3	1349.4	1530.9	1712.3	1757.9	1803.5	1562.4
87.5°	161.0	251.9	342.9	423.3	503.7	594.4	685.2	689.1	692.9	581.7
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°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2156.8	2.5°	2153.5	2150.1	2143.4	2136.6	2125.3	2114.0	2106.0	2098.1	2082.0	2065.9
2415.0	5°	2405.8	2396.8	2381.8	2366.8	2339.2	2311.7	2283.8	2256.0	2220.5	2184.9
2661.8	7.5°	2648.6	2635.4	2610.9	2586.4	2545.8	2505.1	2460.0	2414.8	2356.1	2297.4
2822.0	10°	2809.2	2796.3	2767.6	2738.7	2691.0	2643.3	2589.9	2536.4	2462.2	2388.0
2868.8	12.5°	2861.8	2854.7	2833.8	2812.8	2769.8	2726.7	2668.8	2610.9	2529.4	2447.9
2796.8	15°	2804.3	2811.8	2811.0	2810.3	2783.2	2756.1	2706.2	2656.2	2571.2	2486.3
2633.9	17.5°	2661.7	2689.5	2719.8	2750.2	2749.7	2749.2	2715.4	2681.7	2595.5	2509.3
2430.9	20°	2479.6	2528.3	2595.3	2662.2	2697.7	2733.3	2721.5	2709.7	2620.2	2530.6
2245.3	22.5°	2306.3	2367.2	2465.7	2564.1	2637.8	2711.4	2726.9	2742.3	2650.8	2559.2
2096.1	25°	2160.0	2224.1	2343.6	2463.2	2575.0	2686.9	2735.6	2784.2	2694.5	2604.9
1979.8	27.5°	2042.8	2105.8	2238.3	2370.8	2518.9	2667.1	2754.1	2841.1	2755.6	2670.0
1900.7	30°	1959.1	2017.6	2155.7	2293.7	2476.1	2658.4	2788.1	2917.8	2835.2	2752.6
1889.2	32.5°	1935.2	1981.1	2110.8	2240.5	2446.9	2653.2	2830.8	3008.4	2926.6	2844.9
2052.2	35°	2062.9	2073.6	2163.7	2253.8	2468.7	2683.7	2901.1	3118.5	3040.2	2961.8
2487.8	37.5°	2438.8	2389.8	2395.7	2401.5	2596.9	2792.3	3048.0	3303.8	3203.9	3104.0
3180.1	40°	3061.1	2942.0	2839.5	2736.9	2882.2	3027.5	3305.6	3583.8	3438.2	3292.7
4116.2	42.5°	3899.7	3683.2	3459.5	3235.8	3319.5	3403.2	3679.1	3955.1	3745.0	3535.0
5272.3	45°	4916.5	4560.8	4202.3	3843.9	3880.9	3917.8	4165.8	4413.6	4130.3	3846.9
6565.3	47.5°	6044.5	5523.7	5006.8	4489.8	4497.3	4504.8	4746.0	4987.1	4588.3	4189.4
7853.1	50°	7165.7	6478.2	5811.9	5145.6	5144.3	5143.1	5440.9	5738.7	5137.5	4536.2
9100.2	52.5°	8249.6	7399.0	6603.1	5807.2	5843.8	5880.2	6240.9	6601.6	5714.4	4827.3
10322.7	55°	9308.7	8294.6	7408.9	6523.1	6665.3	6807.4	7163.8	7520.2	6225.9	4931.7
11483.1	57.5°	10334.6	9186.0	8291.6	7397.2	7682.3	7967.5	8161.6	8355.6	6588.4	4821.1
12907.6	60°	11677.8	10448.1	9601.7	8755.3	9109.4	9463.5	9162.0	8860.6	6679.0	4497.3
14062.2	62.5°	12892.3	11722.3	10946.9	10171.5	10211.5	10251.4	9427.8	8604.2	6297.5	3990.9
14182.5	65°	13048.1	11913.6	10928.1	9942.8	9789.9	9636.9	8864.0	8091.0	5757.8	3424.7
13349.1	67.5°	12209.7	11070.4	10043.8	9017.1	8945.4	8873.7	8138.5	7403.4	5115.6	2827.8
12037.9	70°	11057.4	10076.9	9158.9	8240.7	8208.6	8176.6	7376.9	6577.2	4414.8	2252.3
10379.4	72.5°	9645.1	8910.8	8192.4	7474.1	7451.1	7428.1	6510.4	5592.8	3655.0	1717.4
8569.0	75°	8052.1	7535.1	6976.3	6417.4	6332.1	6246.9	5297.1	4347.4	2784.1	1220.9
6706.4	77.5°	6339.7	5973.1	5548.2	5123.4	5001.3	4879.3	3992.7	3106.1	1948.7	791.2
4854.6	80°	4662.1	4469.6	4148.8	3828.0	3676.3	3524.6	2778.8	2032.9	1255.5	478.0
3142.8	82.5°	3062.6	2982.2	2761.4	2540.5	2371.0	2201.6	1691.6	1181.7	726.6	271.6
1803.5	85°	1757.9	1712.3	1530.9	1349.4	1205.3	1061.2	790.6	519.9	326.9	133.9
692.9	87.5°	689.1	685.2	594.4	503.7	423.3	342.9	251.9	161.0	107.1	53.2
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°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2048.7	2.5°	2031.7	2014.5	1997.2	1980.8	1964.3	1948.4	1930.6	1916.2	1901.9	1889.0
2149.4	5°	2114.0	2078.3	2042.7	2009.4	1976.1	1944.6	1913.5	1886.4	1859.3	1836.5
2243.2	7.5°	2189.0	2136.3	2083.5	2037.0	1990.5	1947.6	1907.4	1871.3	1835.3	1805.4
2316.4	10°	2244.8	2180.7	2116.6	2061.6	2006.5	1953.6	1910.4	1872.4	1834.3	1804.4
2366.8	12.5°	2285.6	2210.0	2134.4	2072.2	2010.0	1954.3	1914.1	1883.0	1852.0	1832.1
2398.2	15°	2310.2	2223.1	2136.0	2064.0	1992.0	1930.4	1898.2	1883.3	1868.5	1871.2
2413.3	17.5°	2317.2	2216.1	2115.1	2028.5	1941.8	1869.4	1849.5	1855.0	1860.4	1893.0
2425.0	20°	2319.5	2197.0	2074.5	1967.1	1859.8	1775.4	1770.2	1795.6	1821.1	1877.8
2440.9	22.5°	2322.5	2173.5	2024.5	1895.2	1765.9	1669.9	1680.1	1717.8	1755.4	1820.1
2469.6	25°	2334.3	2150.3	1966.3	1814.9	1663.5	1565.0	1592.7	1636.2	1679.6	1737.8
2514.6	27.5°	2359.0	2134.8	1910.5	1741.4	1572.3	1482.7	1516.4	1558.3	1600.2	1648.1
2572.7	30°	2392.8	2127.5	1862.0	1680.0	1498.0	1422.8	1449.2	1482.5	1515.9	1555.5
2633.4	32.5°	2422.0	2118.5	1814.9	1627.1	1439.3	1378.6	1390.4	1410.1	1429.8	1461.4
2702.6	35°	2443.4	2101.6	1759.9	1575.1	1390.2	1339.7	1334.8	1340.2	1345.7	1369.9
2780.1	37.5°	2456.2	2072.6	1689.1	1513.8	1338.6	1294.4	1276.6	1270.6	1264.6	1282.0
2878.5	40°	2464.2	2032.7	1601.4	1440.8	1280.2	1240.1	1212.8	1199.3	1185.7	1198.2
3007.2	42.5°	2479.4	1991.5	1503.9	1360.1	1216.4	1179.5	1145.1	1127.1	1109.1	1119.3
3176.5	45°	2506.1	1953.3	1400.6	1274.5	1148.4	1111.0	1077.7	1060.2	1042.7	1051.2
3356.9	47.5°	2524.4	1921.7	1319.0	1206.7	1094.5	1046.2	1017.6	1002.9	988.2	996.3
3524.3	50°	2512.5	1887.3	1262.1	1161.7	1061.4	997.9	964.6	951.6	938.7	951.2
3633.0	52.5°	2438.7	1829.1	1219.5	1132.1	1044.7	971.7	925.2	912.3	899.5	918.4
3609.1	55°	2286.4	1732.7	1179.0	1110.6	1042.3	974.4	904.2	883.9	863.6	890.4
3440.5	57.5°	2059.9	1596.7	1133.5	1085.2	1036.9	977.0	891.6	862.0	832.3	861.2
3126.7	60°	1756.2	1420.2	1084.2	1046.2	1008.3	968.7	879.8	841.4	802.9	828.3
2702.5	62.5°	1414.0	1208.9	1003.8	978.6	953.4	948.5	866.0	818.0	770.0	786.1
2269.6	65°	1114.6	1018.8	923.1	911.2	899.3	899.9	837.0	785.9	734.8	741.0
1845.6	67.5°	863.3	836.2	808.9	815.6	822.2	820.5	785.2	742.7	700.1	698.2
1453.1	70°	653.9	661.7	669.4	700.3	731.1	731.1	719.4	689.2	659.0	652.2
1110.9	72.5°	504.4	527.9	551.4	595.1	638.7	646.1	646.2	625.5	604.8	594.9
806.3	75°	391.7	413.0	434.2	483.2	532.1	566.0	563.1	547.2	531.2	521.7
546.4	77.5°	301.6	316.0	330.5	378.1	425.6	481.4	479.9	467.1	454.3	444.7
352.0	80°	226.1	232.1	238.1	278.3	318.5	385.2	385.0	374.2	363.5	355.5
216.5	82.5°	161.6	162.6	163.8	193.5	223.1	280.0	283.1	277.9	272.7	267.0
115.7	85°	97.7	97.2	96.6	118.3	140.0	182.3	186.4	180.8	175.2	168.8
48.0	87.5°	42.8	42.3	41.8	50.6	59.5	77.1	82.4	80.1	77.9	76.7
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°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
1876.1	2.5°	1864.8	1853.5	1842.1	1830.8	1822.1	1813.2	1806.1	1799.0	1793.5	1787.9
1813.8	5°	1793.8	1773.7	1755.5	1737.2	1723.2	1709.2	1699.4	1689.5	1682.6	1675.6
1775.4	7.5°	1750.2	1724.9	1702.6	1680.3	1663.6	1647.0	1635.3	1623.7	1615.7	1607.7
1774.4	10°	1747.3	1720.0	1694.9	1669.9	1649.9	1630.0	1616.9	1603.8	1596.2	1588.6
1812.3	12.5°	1790.9	1769.7	1743.7	1717.8	1692.3	1666.9	1650.0	1633.2	1624.7	1616.3
1873.9	15°	1868.3	1862.8	1840.2	1817.7	1781.5	1745.2	1719.6	1694.0	1682.3	1670.6
1925.7	17.5°	1943.0	1960.3	1942.1	1924.0	1876.0	1828.0	1790.3	1752.6	1735.2	1717.8
1934.5	20°	1970.8	2007.1	1998.7	1990.3	1935.4	1880.6	1834.3	1788.1	1765.9	1743.6
1884.9	22.5°	1932.2	1979.4	1984.5	1989.5	1937.1	1884.7	1837.1	1789.4	1766.0	1742.5
1796.0	25°	1842.5	1889.0	1906.4	1923.6	1880.7	1837.8	1795.4	1753.2	1732.8	1712.5
1695.8	27.5°	1733.1	1770.4	1789.7	1809.1	1778.5	1747.9	1715.1	1682.2	1668.6	1654.9
1595.2	30°	1626.1	1657.1	1672.9	1688.6	1665.3	1641.9	1618.4	1594.8	1587.8	1580.8
1493.2	32.5°	1522.8	1552.5	1570.0	1587.5	1566.1	1544.6	1525.8	1507.0	1502.5	1497.9
1394.0	35°	1423.3	1452.7	1473.7	1494.7	1479.4	1464.2	1446.8	1429.5	1422.6	1415.7
1299.3	37.5°	1328.5	1357.9	1383.8	1409.7	1402.7	1395.6	1379.7	1363.7	1351.0	1338.4
1210.7	40°	1239.0	1267.3	1297.1	1327.0	1328.7	1330.3	1316.8	1303.2	1284.8	1266.6
1129.6	42.5°	1156.4	1183.2	1215.4	1247.6	1256.2	1264.8	1253.4	1242.0	1219.2	1196.3
1059.9	45°	1085.4	1110.8	1144.2	1177.6	1190.0	1202.3	1192.0	1181.7	1155.6	1129.6
1004.3	47.5°	1029.2	1054.1	1087.0	1120.0	1134.2	1148.4	1141.2	1134.0	1110.8	1087.6
963.9	50°	987.4	1010.8	1040.3	1069.8	1088.1	1106.3	1105.9	1105.6	1087.0	1068.5
937.3	52.5°	958.9	980.4	1007.8	1035.4	1057.0	1078.6	1082.5	1086.4	1071.3	1056.2
917.2	55°	940.4	963.7	987.8	1011.8	1034.7	1057.7	1063.1	1068.5	1055.3	1042.1
890.1	57.5°	917.4	944.6	968.4	992.3	1015.5	1038.5	1044.0	1049.5	1036.1	1022.8
853.6	60°	884.9	916.2	940.4	964.6	987.8	1011.0	1017.0	1023.0	1010.0	997.0
802.2	62.5°	838.6	875.2	901.0	926.8	948.1	969.3	975.1	980.9	969.1	957.4
747.1	65°	786.2	825.4	850.1	874.8	893.5	912.2	918.1	924.0	912.7	901.4
696.2	67.5°	732.3	768.5	791.9	815.3	831.4	847.6	853.4	859.1	848.7	838.3
645.5	70°	677.2	709.0	729.2	749.4	764.0	778.6	784.1	789.7	781.2	772.8
585.1	72.5°	610.1	635.0	653.3	671.5	685.8	700.1	706.7	713.3	706.3	699.2
512.2	75°	530.8	549.4	565.9	582.4	595.5	608.5	615.4	622.3	618.8	615.4
435.1	77.5°	450.2	465.3	479.5	493.7	507.4	521.1	527.5	533.9	529.1	524.2
347.4	80°	359.9	372.5	384.4	396.4	406.8	417.1	425.7	434.2	432.1	430.1
261.3	82.5°	260.2	259.2	255.0	250.8	273.0	295.1	309.6	324.2	323.3	322.3
162.5	85°	157.1	151.6	140.0	128.4	149.1	169.9	187.9	205.9	204.4	202.9
75.5	87.5°	75.2	75.0	66.2	57.3	66.0	74.7	82.0	89.2	87.4	85.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
1782.8	2.5°	1777.7	1771.3	1777.7	1782.8	1787.9	1793.5	1799.0	1806.1	1813.2	1822.1
1670.3	5°	1665.0	1659.7	1665.0	1670.3	1675.6	1682.6	1689.5	1699.4	1709.2	1723.2
1602.9	7.5°	1598.2	1594.6	1598.2	1602.9	1607.7	1615.7	1623.7	1635.3	1647.0	1663.6
1584.6	10°	1580.5	1578.9	1580.5	1584.6	1588.6	1596.2	1603.8	1616.9	1630.0	1649.9
1612.9	12.5°	1609.4	1608.8	1609.4	1612.9	1616.3	1624.7	1633.2	1650.0	1666.9	1692.3
1666.1	15°	1661.6	1661.2	1661.6	1666.1	1670.6	1682.3	1694.0	1719.6	1745.2	1781.5
1712.1	17.5°	1706.3	1705.4	1706.3	1712.1	1717.8	1735.2	1752.6	1790.3	1828.0	1876.0
1736.5	20°	1729.4	1727.1	1729.4	1736.5	1743.6	1765.9	1788.1	1834.3	1880.6	1935.4
1734.6	22.5°	1726.8	1723.4	1726.8	1734.6	1742.5	1766.0	1789.4	1837.1	1884.7	1937.1
1705.1	25°	1697.8	1693.4	1697.8	1705.1	1712.5	1732.8	1753.2	1795.4	1837.8	1880.7
1651.5	27.5°	1648.1	1647.0	1648.1	1651.5	1654.9	1668.6	1682.2	1715.1	1747.9	1778.5
1580.8	30°	1580.8	1581.9	1580.8	1580.8	1580.8	1587.8	1594.8	1618.4	1641.9	1665.3
1498.5	32.5°	1499.2	1500.3	1499.2	1498.5	1497.9	1502.5	1507.0	1525.8	1544.6	1566.1
1414.2	35°	1412.7	1411.9	1412.7	1414.2	1415.7	1422.6	1429.5	1446.8	1464.2	1479.4
1331.8	37.5°	1325.1	1321.4	1325.1	1331.8	1338.4	1351.0	1363.7	1379.7	1395.6	1402.7
1254.1	40°	1241.9	1234.5	1241.9	1254.1	1266.6	1284.8	1303.2	1316.8	1330.3	1328.7
1178.3	42.5°	1160.3	1148.4	1160.3	1178.3	1196.3	1219.2	1242.0	1253.4	1264.8	1256.2
1108.4	45°	1087.2	1073.6	1087.2	1108.4	1129.6	1155.6	1181.7	1192.0	1202.3	1190.0
1068.0	47.5°	1048.5	1035.4	1048.5	1068.0	1087.6	1110.8	1134.0	1141.2	1148.4	1134.2
1050.4	50°	1032.2	1019.7	1032.2	1050.4	1068.5	1087.0	1105.6	1105.9	1106.3	1088.1
1039.9	52.5°	1023.8	1012.2	1023.8	1039.9	1056.2	1071.3	1086.4	1082.5	1078.6	1057.0
1027.9	55°	1013.7	1003.2	1013.7	1027.9	1042.1	1055.3	1068.5	1063.1	1057.7	1034.7
1008.7	57.5°	994.6	983.7	994.6	1008.7	1022.8	1036.1	1049.5	1044.0	1038.5	1015.5
982.5	60°	968.0	956.8	968.0	982.5	997.0	1010.0	1023.0	1017.0	1011.0	987.8
942.1	62.5°	926.8	913.3	926.8	942.1	957.4	969.1	980.9	975.1	969.3	948.1
886.5	65°	871.8	860.2	871.8	886.5	901.4	912.7	924.0	918.1	912.2	893.5
824.6	67.5°	810.8	800.3	810.8	824.6	838.3	848.7	859.1	853.4	847.6	831.4
759.6	70°	746.4	734.4	746.4	759.6	772.8	781.2	789.7	784.1	778.6	764.0
686.7	72.5°	674.2	662.6	674.2	686.7	699.2	706.3	713.3	706.7	700.1	685.8
604.8	75°	594.3	583.2	594.3	604.8	615.4	618.8	622.3	615.4	608.5	595.5
513.6	77.5°	502.9	494.1	502.9	513.6	524.2	529.1	533.9	527.5	521.1	507.4
415.8	80°	401.4	384.8	401.4	415.8	430.1	432.1	434.2	425.7	417.1	406.8
310.2	82.5°	298.1	287.5	298.1	310.2	322.3	323.3	324.2	309.6	295.1	273.0
193.5	85°	184.0	174.4	184.0	193.5	202.9	204.4	205.9	187.9	169.9	149.1
80.7	87.5°	75.8	71.1	75.8	80.7	85.5	87.4	89.2	82.0	74.7	66.0
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°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
1830.8	2.5°	1842.1	1853.5	1864.8	1876.1	1889.0	1901.9	1916.2	1930.6	1948.4	1964.3
1737.2	5°	1755.5	1773.7	1793.8	1813.8	1836.5	1859.3	1886.4	1913.5	1944.6	1976.1
1680.3	7.5°	1702.6	1724.9	1750.2	1775.4	1805.4	1835.3	1871.3	1907.4	1947.6	1990.5
1669.9	10°	1694.9	1720.0	1747.3	1774.4	1804.4	1834.3	1872.4	1910.4	1953.6	2006.5
1717.8	12.5°	1743.7	1769.7	1790.9	1812.3	1832.1	1852.0	1883.0	1914.1	1954.3	2010.0
1817.7	15°	1840.2	1862.8	1868.3	1873.9	1871.2	1868.5	1883.3	1898.2	1930.4	1992.0
1924.0	17.5°	1942.1	1960.3	1943.0	1925.7	1893.0	1860.4	1855.0	1849.5	1869.4	1941.8
1990.3	20°	1998.7	2007.1	1970.8	1934.5	1877.8	1821.1	1795.6	1770.2	1775.4	1859.8
1989.5	22.5°	1984.5	1979.4	1932.2	1884.9	1820.1	1755.4	1717.8	1680.1	1669.9	1765.9
1923.6	25°	1906.4	1889.0	1842.5	1796.0	1737.8	1679.6	1636.2	1592.7	1565.0	1663.5
1809.1	27.5°	1789.7	1770.4	1733.1	1695.8	1648.1	1600.2	1558.3	1516.4	1482.7	1572.3
1688.6	30°	1672.9	1657.1	1626.1	1595.2	1555.5	1515.9	1482.5	1449.2	1422.8	1498.0
1587.5	32.5°	1570.0	1552.5	1522.8	1493.2	1461.4	1429.8	1410.1	1390.4	1378.6	1439.3
1494.7	35°	1473.7	1452.7	1423.3	1394.0	1369.9	1345.7	1340.2	1334.8	1339.7	1390.2
1409.7	37.5°	1383.8	1357.9	1328.5	1299.3	1282.0	1264.6	1270.6	1276.6	1294.4	1338.6
1327.0	40°	1297.1	1267.3	1239.0	1210.7	1198.2	1185.7	1199.3	1212.8	1240.1	1280.2
1247.6	42.5°	1215.4	1183.2	1156.4	1129.6	1119.3	1109.1	1127.1	1145.1	1179.5	1216.4
1177.6	45°	1144.2	1110.8	1085.4	1059.9	1051.2	1042.7	1060.2	1077.7	1111.0	1148.4
1120.0	47.5°	1087.0	1054.1	1029.2	1004.3	996.3	988.2	1002.9	1017.6	1046.2	1094.5
1069.8	50°	1040.3	1010.8	987.4	963.9	951.2	938.7	951.6	964.6	997.9	1061.4
1035.4	52.5°	1007.8	980.4	958.9	937.3	918.4	899.5	912.3	925.2	971.7	1044.7
1011.8	55°	987.8	963.7	940.4	917.2	890.4	863.6	883.9	904.2	974.4	1042.3
992.3	57.5°	968.4	944.6	917.4	890.1	861.2	832.3	862.0	891.6	977.0	1036.9
964.6	60°	940.4	916.2	884.9	853.6	828.3	802.9	841.4	879.8	968.7	1008.3
926.8	62.5°	901.0	875.2	838.6	802.2	786.1	770.0	818.0	866.0	948.5	953.4
874.8	65°	850.1	825.4	786.2	747.1	741.0	734.8	785.9	837.0	899.9	899.3
815.3	67.5°	791.9	768.5	732.3	696.2	698.2	700.1	742.7	785.2	820.5	822.2
749.4	70°	729.2	709.0	677.2	645.5	652.2	659.0	689.2	719.4	731.1	731.1
671.5	72.5°	653.3	635.0	610.1	585.1	594.9	604.8	625.5	646.2	646.1	638.7
582.4	75°	565.9	549.4	530.8	512.2	521.7	531.2	547.2	563.1	566.0	532.1
493.7	77.5°	479.5	465.3	450.2	435.1	444.7	454.3	467.1	479.9	481.4	425.6
396.4	80°	384.4	372.5	359.9	347.4	355.5	363.5	374.2	385.0	385.2	318.5
250.8	82.5°	255.0	259.2	260.2	261.3	267.0	272.7	277.9	283.1	280.0	223.1
128.4	85°	140.0	151.6	157.1	162.5	168.8	175.2	180.8	186.4	182.3	140.0
57.3	87.5°	66.2	75.0	75.2	75.5	76.7	77.9	80.1	82.4	77.1	59.5
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°
1951.0	0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
1980.8	2.5°	1997.2	2014.5	2031.7	2048.7	2065.9	2082.0	2098.1
2009.4	5°	2042.7	2078.3	2114.0	2149.4	2184.9	2220.5	2256.0
2037.0	7.5°	2083.5	2136.3	2189.0	2243.2	2297.4	2356.1	2414.8
2061.6	10°	2116.6	2180.7	2244.8	2316.4	2388.0	2462.2	2536.4
2072.2	12.5°	2134.4	2210.0	2285.6	2366.8	2447.9	2529.4	2610.9
2064.0	15°	2136.0	2223.1	2310.2	2398.2	2486.3	2571.2	2656.2
2028.5	17.5°	2115.1	2216.1	2317.2	2413.3	2509.3	2595.5	2681.7
1967.1	20°	2074.5	2197.0	2319.5	2425.0	2530.6	2620.2	2709.7
1895.2	22.5°	2024.5	2173.5	2322.5	2440.9	2559.2	2650.8	2742.3
1814.9	25°	1966.3	2150.3	2334.3	2469.6	2604.9	2694.5	2784.2
1741.4	27.5°	1910.5	2134.8	2359.0	2514.6	2670.0	2755.6	2841.1
1680.0	30°	1862.0	2127.5	2392.8	2572.7	2752.6	2835.2	2917.8
1627.1	32.5°	1814.9	2118.5	2422.0	2633.4	2844.9	2926.6	3008.4
1575.1	35°	1759.9	2101.6	2443.4	2702.6	2961.8	3040.2	3118.5
1513.8	37.5°	1689.1	2072.6	2456.2	2780.1	3104.0	3203.9	3303.8
1440.8	40°	1601.4	2032.7	2464.2	2878.5	3292.7	3438.2	3583.8
1360.1	42.5°	1503.9	1991.5	2479.4	3007.2	3535.0	3745.0	3955.1
1274.5	45°	1400.6	1953.3	2506.1	3176.5	3846.9	4130.3	4413.6
1206.7	47.5°	1319.0	1921.7	2524.4	3356.9	4189.4	4588.3	4987.1
1161.7	50°	1262.1	1887.3	2512.5	3524.3	4536.2	5137.5	5738.7
1132.1	52.5°	1219.5	1829.1	2438.7	3633.0	4827.3	5714.4	6601.6
1110.6	55°	1179.0	1732.7	2286.4	3609.1	4931.7	6225.9	7520.2
1085.2	57.5°	1133.5	1596.7	2059.9	3440.5	4821.1	6588.4	8355.6
1046.2	60°	1084.2	1420.2	1756.2	3126.7	4497.3	6679.0	8860.6
978.6	62.5°	1003.8	1208.9	1414.0	2702.5	3990.9	6297.5	8604.2
911.2	65°	923.1	1018.8	1114.6	2269.6	3424.7	5757.8	8091.0
815.6	67.5°	808.9	836.2	863.3	1845.6	2827.8	5115.6	7403.4
700.3	70°	669.4	661.7	653.9	1453.1	2252.3	4414.8	6577.2
595.1	72.5°	551.4	527.9	504.4	1110.9	1717.4	3655.0	5592.8
483.2	75°	434.2	413.0	391.7	806.3	1220.9	2784.1	4347.4
378.1	77.5°	330.5	316.0	301.6	546.4	791.2	1948.7	3106.1
278.3	80°	238.1	232.1	226.1	352.0	478.0	1255.5	2032.9
193.5	82.5°	163.8	162.6	161.6	216.5	271.6	726.6	1181.7
118.3	85°	96.6	97.2	97.7	115.7	133.9	326.9	519.9
50.6	87.5°	41.8	42.3	42.8	48.0	53.2	107.1	161.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)