

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: P948200

Luminaire Tested: **GALN-SB3B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948200
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-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14639 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

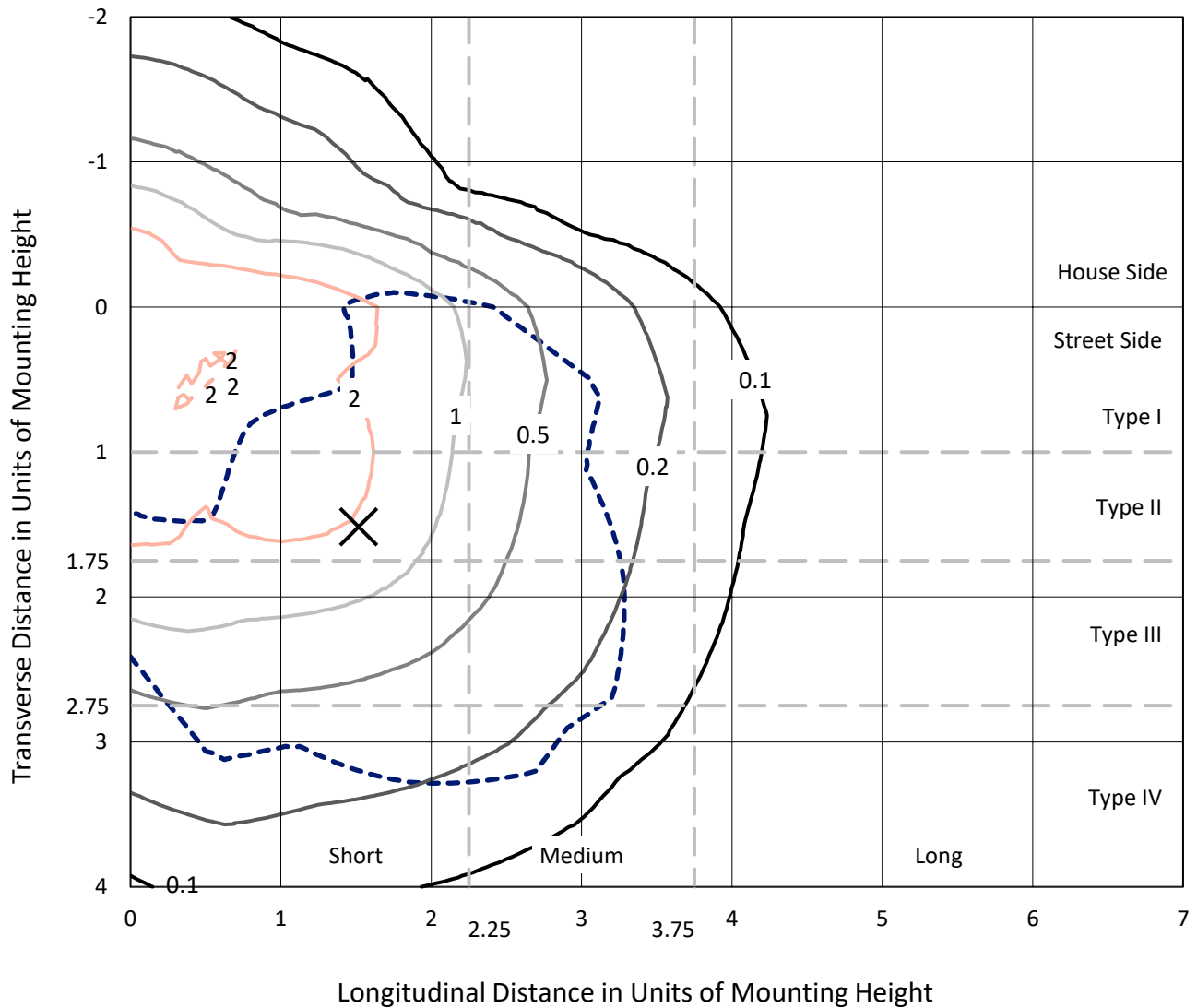
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

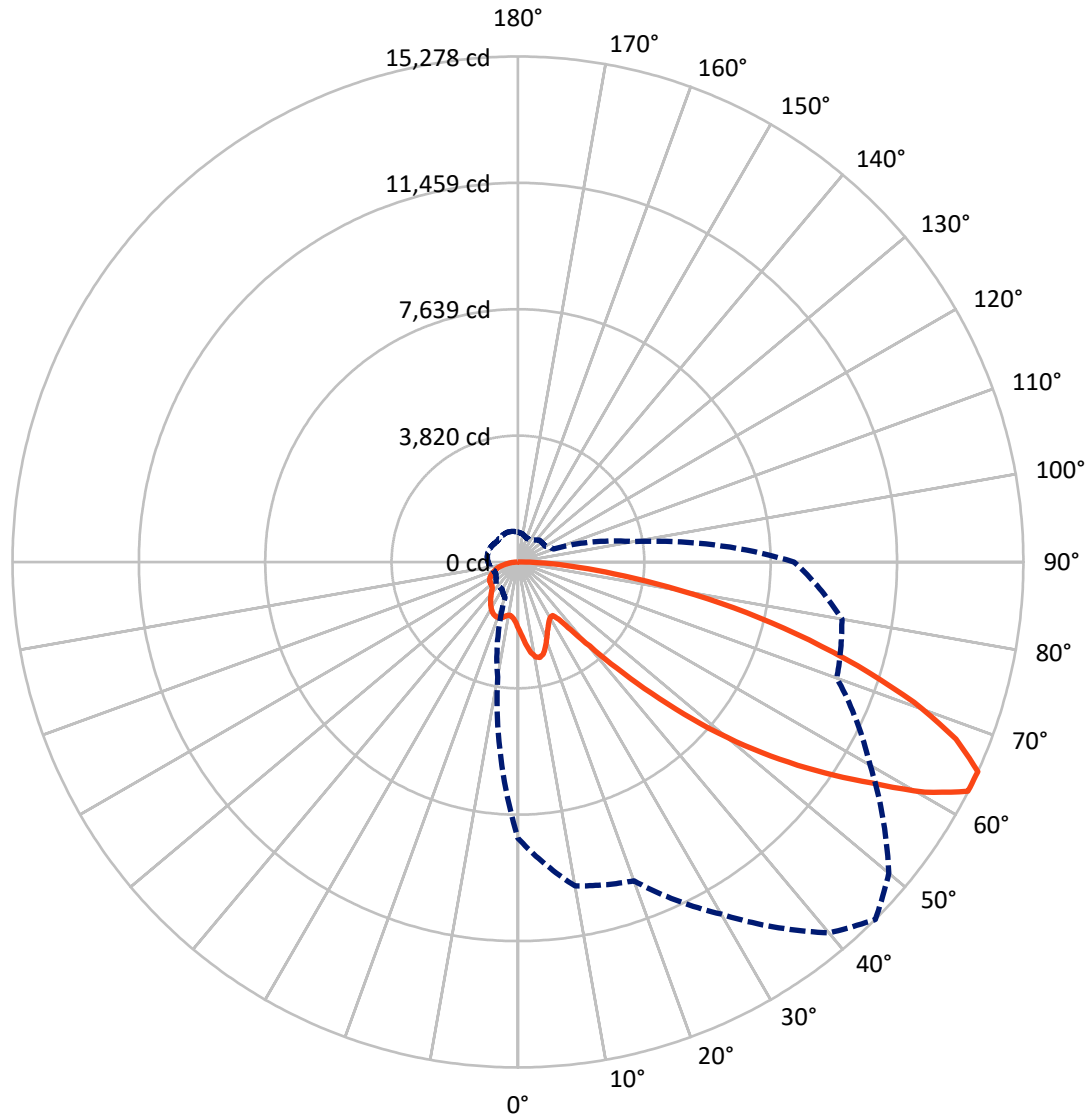
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	3720.5	0.0	3720.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10918.5	0.0	10918.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	14639.0	0.0	14639.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	1.4
10°-20°	626.9	4.3
20°-30°	968.3	6.6
30°-40°	1227.1	8.4
40°-50°	1850.7	12.6
50°-60°	2990.1	20.4
60°-70°	3727.6	25.5
70°-80°	2444.4	16.7
80°-90°	604.3	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°	14639.0	100.0
0°-180°	14639.0	100.0



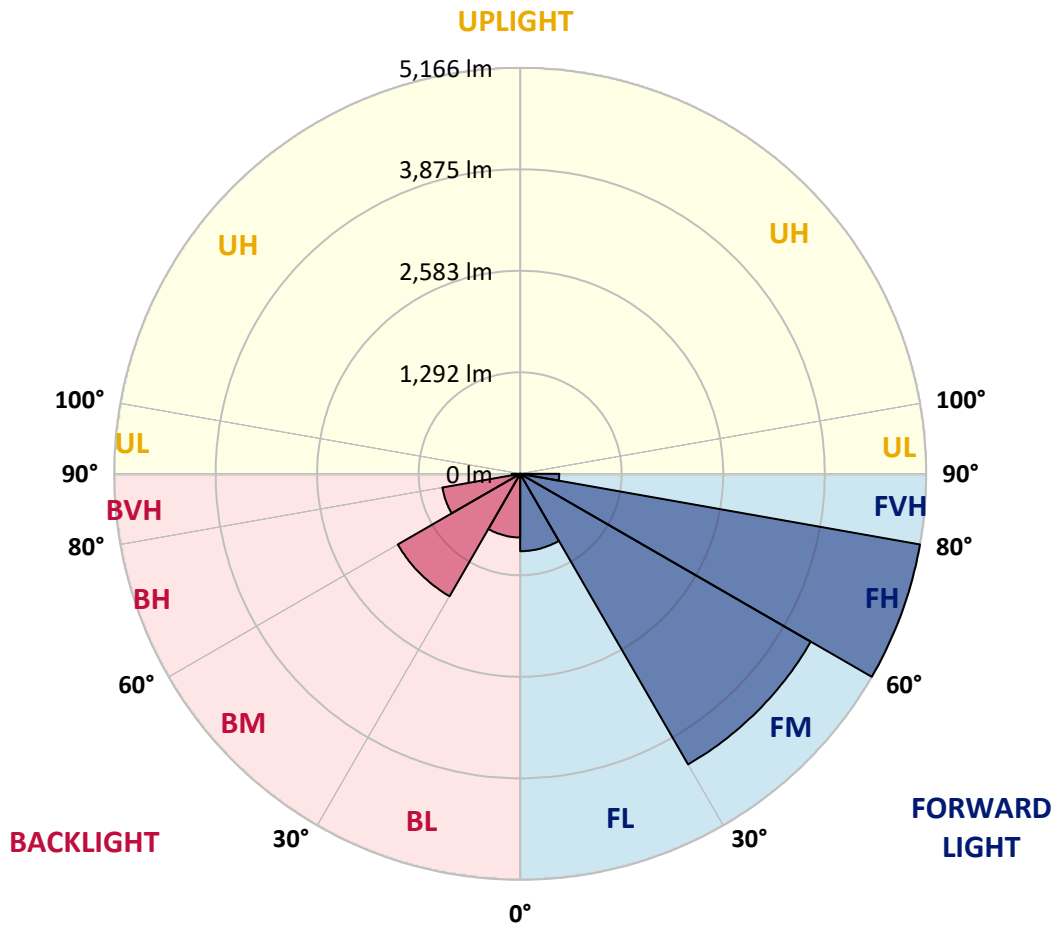
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	984.6	6.7			
FM (30°-60°)	4269.9	29.2			
FH (60°-80°)	5166.2	35.3			G3/7500
FVH (80°-90°)	497.8	3.4			G3/500
BL (0°-30°)	810.2	5.5	B2/1000		
BM (30°-60°)	1798.0	12.3	B2/2500		
BH (60°-80°)	1005.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	106.5	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
2.5°	2164.8	2173.0	2181.2	2192.9	2204.6	2211.5	2218.5	2221.9	2225.4	2223.9
5°	2327.8	2356.4	2385.2	2413.6	2442.1	2457.5	2473.0	2482.3	2491.7	2498.9
7.5°	2491.5	2538.2	2584.8	2626.7	2668.6	2693.9	2719.2	2732.8	2746.4	2753.0
10°	2617.0	2672.2	2727.3	2776.5	2825.8	2855.6	2885.2	2898.5	2911.7	2916.7
12.5°	2693.9	2753.7	2813.4	2857.9	2902.2	2923.9	2945.5	2952.7	2960.0	2960.8
15°	2740.6	2792.2	2843.8	2871.6	2899.6	2900.4	2901.1	2893.4	2885.7	2876.6
17.5°	2766.9	2801.7	2836.6	2837.1	2837.6	2806.3	2775.0	2746.3	2717.6	2697.4
20°	2795.9	2808.0	2820.2	2783.5	2746.8	2677.8	2608.7	2558.4	2508.1	2477.2
22.5°	2829.5	2813.5	2797.6	2721.6	2645.6	2544.0	2442.5	2379.6	2316.7	2282.6
25°	2872.7	2822.5	2772.3	2656.9	2541.5	2418.1	2294.8	2228.7	2162.7	2130.4
27.5°	2931.4	2841.7	2751.8	2599.0	2446.2	2309.5	2172.7	2107.7	2042.7	2012.2
30°	3010.6	2876.7	2742.9	2554.8	2366.6	2224.2	2081.7	2021.4	1961.1	1932.7
32.5°	3104.1	2920.8	2737.5	2524.7	2311.8	2177.9	2044.0	1996.7	1949.3	1928.8
35°	3217.6	2993.3	2769.1	2547.2	2325.4	2232.4	2139.5	2128.5	2117.4	2115.7
37.5°	3408.8	3144.9	2881.1	2679.5	2477.8	2471.8	2465.8	2516.3	2566.8	2593.1
40°	3697.7	3410.7	3123.8	2973.8	2823.9	2929.7	3035.5	3158.4	3281.2	3342.4
42.5°	4080.8	3796.1	3511.4	3425.0	3338.7	3569.5	3800.3	4023.7	4247.1	4378.2
45°	4553.9	4298.2	4042.4	4004.3	3966.1	4335.9	4705.7	5072.8	5439.9	5662.8
47.5°	5145.6	4896.8	4647.9	4640.2	4632.5	5165.9	5699.2	6236.6	6773.9	7089.5
50°	5921.2	5613.8	5306.5	5307.8	5309.2	5996.6	6684.1	7393.4	8102.8	8531.6
52.5°	6811.4	6439.2	6067.2	6029.5	5991.8	6813.0	7634.2	8511.9	9389.4	9903.5
55°	7759.2	7391.5	7023.8	6877.1	6730.5	7644.4	8558.3	9604.6	10650.8	11262.2
57.5°	8621.2	8421.0	8220.7	7926.5	7632.4	8555.2	9478.0	10663.1	11848.1	12606.3
60°	9142.3	9453.2	9764.3	9398.9	9033.6	9906.9	10780.2	12049.0	13317.9	14137.3
62.5°	8877.7	9727.5	10577.2	10536.1	10494.8	11294.8	12094.9	13302.1	14509.2	15266.6
65°	8348.2	9145.7	9943.3	10101.1	10258.8	11275.5	12292.3	13462.8	14633.3	15278.2
67.5°	7638.7	8397.2	9155.8	9229.8	9303.7	10363.0	11422.3	12597.9	13773.4	14278.6
70°	6786.3	7611.4	8436.5	8469.5	8502.7	9450.0	10397.2	11408.9	12420.5	12701.3
72.5°	5770.5	6717.3	7664.2	7688.0	7711.7	8452.9	9194.0	9951.7	10709.3	10737.7
75°	4485.6	5465.5	6445.4	6533.4	6621.4	7198.0	7774.6	8308.0	8841.4	8698.5
77.5°	3204.9	4119.6	5034.4	5160.3	5286.2	5724.6	6162.9	6541.2	6919.6	6673.9
80°	2097.6	2867.2	3636.7	3793.2	3949.7	4280.7	4611.6	4810.3	5008.9	4613.8
82.5°	1219.3	1745.4	2271.6	2446.4	2621.3	2849.2	3077.0	3159.9	3242.7	2932.2
85°	536.5	815.7	1094.9	1243.6	1392.3	1579.6	1766.7	1813.8	1860.8	1612.1
87.5°	166.1	259.9	353.8	436.7	519.7	613.3	706.9	711.0	714.9	600.2
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°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
2225.4	2.5°	2221.9	2218.5	2211.5	2204.6	2192.9	2181.2	2173.0	2164.8	2148.2	2131.6
2491.7	5°	2482.3	2473.0	2457.5	2442.1	2413.6	2385.2	2356.4	2327.8	2291.1	2254.4
2746.4	7.5°	2732.8	2719.2	2693.9	2668.6	2626.7	2584.8	2538.2	2491.5	2431.0	2370.5
2911.7	10°	2898.5	2885.2	2855.6	2825.8	2776.5	2727.3	2672.2	2617.0	2540.5	2463.9
2960.0	12.5°	2952.7	2945.5	2923.9	2902.2	2857.9	2813.4	2753.7	2693.9	2609.8	2525.7
2885.7	15°	2893.4	2901.1	2900.4	2899.6	2871.6	2843.8	2792.2	2740.6	2653.0	2565.3
2717.6	17.5°	2746.3	2775.0	2806.3	2837.6	2837.1	2836.6	2801.7	2766.9	2678.0	2589.1
2508.1	20°	2558.4	2608.7	2677.8	2746.8	2783.5	2820.2	2808.0	2795.9	2703.5	2611.0
2316.7	22.5°	2379.6	2442.5	2544.0	2645.6	2721.6	2797.6	2813.5	2829.5	2735.1	2640.6
2162.7	25°	2228.7	2294.8	2418.1	2541.5	2656.9	2772.3	2822.5	2872.7	2780.2	2687.7
2042.7	27.5°	2107.7	2172.7	2309.5	2446.2	2599.0	2751.8	2841.7	2931.4	2843.2	2754.9
1961.1	30°	2021.4	2081.7	2224.2	2366.6	2554.8	2742.9	2876.7	3010.6	2925.3	2840.1
1949.3	32.5°	1996.7	2044.0	2177.9	2311.8	2524.7	2737.5	2920.8	3104.1	3019.6	2935.3
2117.4	35°	2128.5	2139.5	2232.4	2325.4	2547.2	2769.1	2993.3	3217.6	3136.8	3055.9
2566.8	37.5°	2516.3	2465.8	2471.8	2477.8	2679.5	2881.1	3144.9	3408.8	3305.8	3202.7
3281.2	40°	3158.4	3035.5	2929.7	2823.9	2973.8	3123.8	3410.7	3697.7	3547.5	3397.4
4247.1	42.5°	4023.7	3800.3	3569.5	3338.7	3425.0	3511.4	3796.1	4080.8	3864.1	3647.3
5439.9	45°	5072.8	4705.7	4335.9	3966.1	4004.3	4042.4	4298.2	4553.9	4261.6	3969.2
6773.9	47.5°	6236.6	5699.2	5165.9	4632.5	4640.2	4647.9	4896.8	5145.6	4734.2	4322.6
8102.8	50°	7393.4	6684.1	5996.6	5309.2	5307.8	5306.5	5613.8	5921.2	5300.8	4680.4
9389.4	52.5°	8511.9	7634.2	6813.0	5991.8	6029.5	6067.2	6439.2	6811.4	5896.1	4980.7
10650.8	55°	9604.6	8558.3	7644.4	6730.5	6877.1	7023.8	7391.5	7759.2	6423.8	5088.5
11848.1	57.5°	10663.1	9478.0	8555.2	7632.4	7926.5	8220.7	8421.0	8621.2	6797.8	4974.4
13317.9	60°	12049.0	10780.2	9906.9	9033.6	9398.9	9764.3	9453.2	9142.3	6891.3	4640.2
14509.2	62.5°	13302.1	12094.9	11294.8	10494.8	10536.1	10577.2	9727.5	8877.7	6497.7	4117.7
14633.3	65°	13462.8	12292.3	11275.5	10258.8	10101.1	9943.3	9145.7	8348.2	5940.9	3533.5
13773.4	67.5°	12597.9	11422.3	10363.0	9303.7	9229.8	9155.8	8397.2	7638.7	5278.2	2917.7
12420.5	70°	11408.9	10397.2	9450.0	8502.7	8469.5	8436.5	7611.4	6786.3	4555.1	2323.9
10709.3	72.5°	9951.7	9194.0	8452.9	7711.7	7688.0	7664.2	6717.3	5770.5	3771.2	1772.0
8841.4	75°	8308.0	7774.6	7198.0	6621.4	6533.4	6445.4	5465.5	4485.6	2872.6	1259.7
6919.6	77.5°	6541.2	6162.9	5724.6	5286.2	5160.3	5034.4	4119.6	3204.9	2010.6	816.3
5008.9	80°	4810.3	4611.6	4280.7	3949.7	3793.2	3636.7	2867.2	2097.6	1295.4	493.2
3242.7	82.5°	3159.9	3077.0	2849.2	2621.3	2446.4	2271.6	1745.4	1219.3	749.7	280.2
1860.8	85°	1813.8	1766.7	1579.6	1392.3	1243.6	1094.9	815.7	536.5	337.2	138.1
714.9	87.5°	711.0	706.9	613.3	519.7	436.7	353.8	259.9	166.1	110.5	54.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
2113.9	2.5°	2096.3	2078.5	2060.7	2043.7	2026.7	2010.3	1992.0	1977.1	1962.4	1949.0
2217.8	5°	2181.2	2144.4	2107.6	2073.2	2038.9	2006.4	1974.4	1946.4	1918.4	1894.9
2314.6	7.5°	2258.6	2204.2	2149.7	2101.7	2053.8	2009.5	1968.0	1930.8	1893.6	1862.7
2390.0	10°	2316.2	2250.1	2183.9	2127.2	2070.3	2015.7	1971.1	1931.9	1892.6	1861.7
2442.0	12.5°	2358.3	2280.3	2202.2	2138.0	2073.9	2016.5	1975.0	1942.9	1910.9	1890.3
2474.4	15°	2383.6	2293.8	2203.9	2129.6	2055.3	1991.7	1958.5	1943.2	1927.9	1930.6
2490.0	17.5°	2390.9	2286.6	2182.3	2092.9	2003.6	1928.8	1908.3	1914.0	1919.5	1953.2
2502.1	20°	2393.2	2266.8	2140.4	2029.7	1918.9	1831.9	1826.4	1852.7	1879.0	1937.4
2518.5	22.5°	2396.3	2242.6	2088.8	1955.4	1822.0	1722.9	1733.5	1772.4	1811.2	1878.0
2548.1	25°	2408.5	2218.6	2028.8	1872.6	1716.4	1614.8	1643.4	1688.2	1733.0	1793.0
2594.5	27.5°	2434.0	2202.6	1971.3	1796.8	1622.3	1529.8	1564.6	1607.8	1651.1	1700.5
2654.5	30°	2468.9	2195.1	1921.2	1733.4	1545.7	1468.0	1495.3	1529.6	1564.0	1605.0
2717.1	32.5°	2499.0	2185.9	1872.6	1678.8	1485.0	1422.5	1434.6	1454.9	1475.2	1507.9
2788.5	35°	2521.1	2168.4	1815.9	1625.1	1434.4	1382.3	1377.3	1382.8	1388.5	1413.4
2868.5	37.5°	2534.2	2138.5	1742.8	1562.0	1381.1	1335.6	1317.2	1311.0	1304.8	1322.7
2970.0	40°	2542.5	2097.3	1652.3	1486.6	1320.9	1279.6	1251.4	1237.4	1223.4	1236.3
3102.8	42.5°	2558.2	2054.9	1551.7	1403.4	1255.1	1217.0	1181.5	1162.9	1144.4	1154.9
3277.5	45°	2585.8	2015.4	1445.1	1315.0	1184.9	1146.3	1111.9	1093.9	1075.9	1084.7
3463.6	47.5°	2604.7	1982.8	1360.9	1245.1	1129.3	1079.5	1049.9	1034.8	1019.6	1028.0
3636.4	50°	2592.3	1947.3	1302.2	1198.7	1095.2	1029.7	995.3	981.9	968.5	981.5
3748.5	52.5°	2516.2	1887.2	1258.3	1168.1	1077.9	1002.6	954.6	941.3	928.1	947.6
3723.8	55°	2359.0	1787.7	1216.4	1145.9	1075.4	1005.3	933.0	911.9	891.0	918.7
3549.8	57.5°	2125.4	1647.5	1169.5	1119.7	1069.8	1008.0	920.0	889.4	858.8	888.6
3226.1	60°	1812.0	1465.3	1118.7	1079.5	1040.3	999.5	907.8	868.1	828.4	854.6
2788.4	62.5°	1459.0	1247.3	1035.7	1009.7	983.7	978.7	893.6	844.0	794.5	811.1
2341.7	65°	1150.0	1051.2	952.4	940.1	927.9	928.5	863.6	810.9	758.2	764.6
1904.2	67.5°	890.8	862.7	834.6	841.5	848.3	846.6	810.1	766.3	722.4	720.4
1499.3	70°	674.7	682.8	690.7	722.5	754.3	754.3	742.3	711.1	679.9	673.0
1146.2	72.5°	520.5	544.7	568.9	614.0	659.0	666.6	666.8	645.4	624.0	613.8
831.9	75°	404.1	426.1	448.0	498.5	549.1	584.0	581.0	564.6	548.0	538.3
563.7	77.5°	311.1	326.0	341.0	390.1	439.1	496.7	495.1	481.9	468.7	458.8
363.2	80°	233.3	239.5	245.6	287.2	328.7	397.4	397.2	386.1	375.0	366.8
223.4	82.5°	166.7	167.8	169.0	199.6	230.2	288.9	292.1	286.7	281.3	275.5
119.4	85°	100.8	100.3	99.6	122.0	144.4	188.1	192.3	186.5	180.8	174.2
49.5	87.5°	44.2	43.6	43.1	52.2	61.4	79.6	85.0	82.7	80.3	79.1
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°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
1935.7	2.5°	1924.1	1912.4	1900.7	1889.0	1880.0	1870.9	1863.5	1856.2	1850.5	1844.8
1871.5	5°	1850.8	1830.1	1811.3	1792.5	1778.0	1763.5	1753.4	1743.3	1736.1	1728.9
1831.9	7.5°	1805.8	1779.7	1756.7	1733.8	1716.5	1699.4	1687.3	1675.3	1667.0	1658.8
1830.8	10°	1802.8	1774.7	1748.8	1722.9	1702.4	1681.8	1668.3	1654.7	1646.9	1639.1
1869.9	12.5°	1847.8	1825.9	1799.1	1772.4	1746.1	1719.8	1702.5	1685.1	1676.4	1667.7
1933.4	15°	1927.7	1922.0	1898.7	1875.5	1838.1	1800.7	1774.3	1747.9	1735.8	1723.7
1986.9	17.5°	2004.8	2022.6	2003.9	1985.2	1935.7	1886.2	1847.2	1808.3	1790.4	1772.4
1996.0	20°	2033.5	2070.9	2062.3	2053.5	1996.9	1940.4	1892.6	1845.0	1822.0	1799.0
1944.9	22.5°	1993.6	2042.3	2047.6	2052.8	1998.7	1944.6	1895.5	1846.3	1822.1	1797.9
1853.1	25°	1901.1	1949.0	1967.0	1984.8	1940.5	1896.2	1852.5	1808.9	1787.9	1767.0
1749.7	27.5°	1788.2	1826.7	1846.6	1866.6	1835.0	1803.5	1769.6	1735.7	1721.6	1707.5
1645.9	30°	1677.8	1709.8	1726.0	1742.2	1718.2	1694.1	1669.9	1645.5	1638.3	1631.0
1540.6	32.5°	1571.2	1601.9	1619.9	1638.0	1615.9	1593.7	1574.3	1554.9	1550.2	1545.5
1438.3	35°	1468.6	1498.9	1520.6	1542.2	1526.4	1510.7	1492.8	1475.0	1467.8	1460.7
1340.6	37.5°	1370.8	1401.1	1427.8	1454.5	1447.3	1440.0	1423.5	1407.0	1394.0	1381.0
1249.2	40°	1278.4	1307.6	1338.3	1369.2	1370.9	1372.6	1358.7	1344.7	1325.7	1306.8
1165.5	42.5°	1193.1	1220.8	1254.1	1287.3	1296.2	1305.0	1293.2	1281.5	1257.9	1234.4
1093.6	45°	1119.9	1146.2	1180.6	1215.1	1227.8	1240.5	1229.9	1219.3	1192.3	1165.5
1036.2	47.5°	1062.0	1087.6	1121.6	1155.6	1170.3	1184.9	1177.5	1170.1	1146.2	1122.2
994.5	50°	1018.8	1043.0	1073.4	1103.8	1122.7	1141.5	1141.1	1140.7	1121.6	1102.4
967.1	52.5°	989.3	1011.5	1039.9	1068.3	1090.6	1112.9	1117.0	1121.0	1105.4	1089.8
946.4	55°	970.3	994.3	1019.2	1044.0	1067.6	1091.3	1096.9	1102.4	1088.8	1075.2
918.4	57.5°	946.6	974.7	999.2	1023.9	1047.7	1071.5	1077.2	1082.8	1069.1	1055.3
880.7	60°	913.0	945.3	970.3	995.3	1019.2	1043.2	1049.4	1055.5	1042.1	1028.7
827.7	62.5°	865.3	903.0	929.6	956.3	978.2	1000.2	1006.1	1012.1	999.9	987.8
770.9	65°	811.2	851.6	877.1	902.6	921.9	941.2	947.3	953.4	941.7	930.0
718.4	67.5°	755.6	792.9	817.1	841.2	857.9	874.6	880.5	886.4	875.6	865.0
666.0	70°	698.8	731.5	752.4	773.2	788.3	803.3	809.1	814.8	806.0	797.3
603.7	72.5°	629.5	655.2	674.0	692.9	707.6	722.4	729.2	736.0	728.7	721.5
528.5	75°	547.7	566.8	583.9	601.0	614.4	627.8	634.9	642.1	638.5	634.9
448.9	77.5°	464.5	480.1	494.8	509.4	523.6	537.6	544.3	550.9	546.0	540.9
358.4	80°	371.4	384.3	396.6	409.0	419.7	430.4	439.2	448.0	445.9	443.8
269.6	82.5°	268.5	267.4	263.1	258.8	281.6	304.5	319.5	334.5	333.5	332.5
167.6	85°	162.1	156.4	144.4	132.5	153.9	175.3	193.9	212.4	210.9	209.3
77.9	87.5°	77.6	77.4	68.3	59.1	68.1	77.1	84.6	92.1	90.2	88.2
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°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
1839.5	2.5°	1834.2	1827.6	1834.2	1839.5	1844.8	1850.5	1856.2	1863.5	1870.9	1880.0
1723.4	5°	1717.9	1712.5	1717.9	1723.4	1728.9	1736.1	1743.3	1753.4	1763.5	1778.0
1653.9	7.5°	1649.0	1645.3	1649.0	1653.9	1658.8	1667.0	1675.3	1687.3	1699.4	1716.5
1635.0	10°	1630.8	1629.1	1630.8	1635.0	1639.1	1646.9	1654.7	1668.3	1681.8	1702.4
1664.2	12.5°	1660.6	1660.0	1660.6	1664.2	1667.7	1676.4	1685.1	1702.5	1719.8	1746.1
1719.1	15°	1714.4	1714.1	1714.4	1719.1	1723.7	1735.8	1747.9	1774.3	1800.7	1838.1
1766.5	17.5°	1760.6	1759.6	1760.6	1766.5	1772.4	1790.4	1808.3	1847.2	1886.2	1935.7
1791.7	20°	1784.3	1782.0	1784.3	1791.7	1799.0	1822.0	1845.0	1892.6	1940.4	1996.9
1789.8	22.5°	1781.6	1778.2	1781.6	1789.8	1797.9	1822.1	1846.3	1895.5	1944.6	1998.7
1759.3	25°	1751.7	1747.3	1751.7	1759.3	1767.0	1787.9	1808.9	1852.5	1896.2	1940.5
1704.0	27.5°	1700.5	1699.4	1700.5	1704.0	1707.5	1721.6	1735.7	1769.6	1803.5	1835.0
1631.0	30°	1631.0	1632.2	1631.0	1631.0	1631.0	1638.3	1645.5	1669.9	1694.1	1718.2
1546.1	32.5°	1546.8	1548.0	1546.8	1546.1	1545.5	1550.2	1554.9	1574.3	1593.7	1615.9
1459.1	35°	1457.6	1456.8	1457.6	1459.1	1460.7	1467.8	1475.0	1492.8	1510.7	1526.4
1374.1	37.5°	1367.2	1363.4	1367.2	1374.1	1381.0	1394.0	1407.0	1423.5	1440.0	1447.3
1294.0	40°	1281.3	1273.8	1281.3	1294.0	1306.8	1325.7	1344.7	1358.7	1372.6	1370.9
1215.7	42.5°	1197.1	1184.9	1197.1	1215.7	1234.4	1257.9	1281.5	1293.2	1305.0	1296.2
1143.6	45°	1121.7	1107.7	1121.7	1143.6	1165.5	1192.3	1219.3	1229.9	1240.5	1227.8
1102.0	47.5°	1081.8	1068.3	1081.8	1102.0	1122.2	1146.2	1170.1	1177.5	1184.9	1170.3
1083.7	50°	1065.0	1052.1	1065.0	1083.7	1102.4	1121.6	1140.7	1141.1	1141.5	1122.7
1073.0	52.5°	1056.3	1044.3	1056.3	1073.0	1089.8	1105.4	1121.0	1117.0	1112.9	1090.6
1060.6	55°	1045.9	1035.1	1045.9	1060.6	1075.2	1088.8	1102.4	1096.9	1091.3	1067.6
1040.8	57.5°	1026.2	1015.0	1026.2	1040.8	1055.3	1069.1	1082.8	1077.2	1071.5	1047.7
1013.8	60°	998.8	987.2	998.8	1013.8	1028.7	1042.1	1055.5	1049.4	1043.2	1019.2
972.0	62.5°	956.3	942.4	956.3	972.0	987.8	999.9	1012.1	1006.1	1000.2	978.2
914.7	65°	899.5	887.5	899.5	914.7	930.0	941.7	953.4	947.3	941.2	921.9
850.8	67.5°	836.6	825.7	836.6	850.8	865.0	875.6	886.4	880.5	874.6	857.9
783.7	70°	770.1	757.8	770.1	783.7	797.3	806.0	814.8	809.1	803.3	788.3
708.5	72.5°	695.6	683.6	695.6	708.5	721.5	728.7	736.0	729.2	722.4	707.6
624.1	75°	613.2	601.7	613.2	624.1	634.9	638.5	642.1	634.9	627.8	614.4
529.9	77.5°	518.9	509.8	518.9	529.9	540.9	546.0	550.9	544.3	537.6	523.6
429.0	80°	414.2	397.0	414.2	429.0	443.8	445.9	448.0	439.2	430.4	419.7
320.1	82.5°	307.6	296.6	307.6	320.1	332.5	333.5	334.5	319.5	304.5	281.6
199.6	85°	189.9	180.0	189.9	199.6	209.3	210.9	212.4	193.9	175.3	153.9
83.3	87.5°	78.2	73.4	78.2	83.3	88.2	90.2	92.1	84.6	77.1	68.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
1889.0	2.5°	1900.7	1912.4	1924.1	1935.7	1949.0	1962.4	1977.1	1992.0	2010.3	2026.7
1792.5	5°	1811.3	1830.1	1850.8	1871.5	1894.9	1918.4	1946.4	1974.4	2006.4	2038.9
1733.8	7.5°	1756.7	1779.7	1805.8	1831.9	1862.7	1893.6	1930.8	1968.0	2009.5	2053.8
1722.9	10°	1748.8	1774.7	1802.8	1830.8	1861.7	1892.6	1931.9	1971.1	2015.7	2070.3
1772.4	12.5°	1799.1	1825.9	1847.8	1869.9	1890.3	1910.9	1942.9	1975.0	2016.5	2073.9
1875.5	15°	1898.7	1922.0	1927.7	1933.4	1930.6	1927.9	1943.2	1958.5	1991.7	2055.3
1985.2	17.5°	2003.9	2022.6	2004.8	1986.9	1953.2	1919.5	1914.0	1908.3	1928.8	2003.6
2053.5	20°	2062.3	2070.9	2033.5	1996.0	1937.4	1879.0	1852.7	1826.4	1831.9	1918.9
2052.8	22.5°	2047.6	2042.3	1993.6	1944.9	1878.0	1811.2	1772.4	1733.5	1722.9	1822.0
1984.8	25°	1967.0	1949.0	1901.1	1853.1	1793.0	1733.0	1688.2	1643.4	1614.8	1716.4
1866.6	27.5°	1846.6	1826.7	1788.2	1749.7	1700.5	1651.1	1607.8	1564.6	1529.8	1622.3
1742.2	30°	1726.0	1709.8	1677.8	1645.9	1605.0	1564.0	1529.6	1495.3	1468.0	1545.7
1638.0	32.5°	1619.9	1601.9	1571.2	1540.6	1507.9	1475.2	1454.9	1434.6	1422.5	1485.0
1542.2	35°	1520.6	1498.9	1468.6	1438.3	1413.4	1388.5	1382.8	1377.3	1382.3	1434.4
1454.5	37.5°	1427.8	1401.1	1370.8	1340.6	1322.7	1304.8	1311.0	1317.2	1335.6	1381.1
1369.2	40°	1338.3	1307.6	1278.4	1249.2	1236.3	1223.4	1237.4	1251.4	1279.6	1320.9
1287.3	42.5°	1254.1	1220.8	1193.1	1165.5	1154.9	1144.4	1162.9	1181.5	1217.0	1255.1
1215.1	45°	1180.6	1146.2	1119.9	1093.6	1084.7	1075.9	1093.9	1111.9	1146.3	1184.9
1155.6	47.5°	1121.6	1087.6	1062.0	1036.2	1028.0	1019.6	1034.8	1049.9	1079.5	1129.3
1103.8	50°	1073.4	1043.0	1018.8	994.5	981.5	968.5	981.9	995.3	1029.7	1095.2
1068.3	52.5°	1039.9	1011.5	989.3	967.1	947.6	928.1	941.3	954.6	1002.6	1077.9
1044.0	55°	1019.2	994.3	970.3	946.4	918.7	891.0	911.9	933.0	1005.3	1075.4
1023.9	57.5°	999.2	974.7	946.6	918.4	888.6	858.8	889.4	920.0	1008.0	1069.8
995.3	60°	970.3	945.3	913.0	880.7	854.6	828.4	868.1	907.8	999.5	1040.3
956.3	62.5°	929.6	903.0	865.3	827.7	811.1	794.5	844.0	893.6	978.7	983.7
902.6	65°	877.1	851.6	811.2	770.9	764.6	758.2	810.9	863.6	928.5	927.9
841.2	67.5°	817.1	792.9	755.6	718.4	720.4	722.4	766.3	810.1	846.6	848.3
773.2	70°	752.4	731.5	698.8	666.0	673.0	679.9	711.1	742.3	754.3	754.3
692.9	72.5°	674.0	655.2	629.5	603.7	613.8	624.0	645.4	666.8	666.6	659.0
601.0	75°	583.9	566.8	547.7	528.5	538.3	548.0	564.6	581.0	584.0	549.1
509.4	77.5°	494.8	480.1	464.5	448.9	458.8	468.7	481.9	495.1	496.7	439.1
409.0	80°	396.6	384.3	371.4	358.4	366.8	375.0	386.1	397.2	397.4	328.7
258.8	82.5°	263.1	267.4	268.5	269.6	275.5	281.3	286.7	292.1	288.9	230.2
132.5	85°	144.4	156.4	162.1	167.6	174.2	180.8	186.5	192.3	188.1	144.4
59.1	87.5°	68.3	77.4	77.6	77.9	79.1	80.3	82.7	85.0	79.6	61.4
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°
2013.0	0°	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0	2013.0
2043.7	2.5°	2060.7	2078.5	2096.3	2113.9	2131.6	2148.2	2164.8
2073.2	5°	2107.6	2144.4	2181.2	2217.8	2254.4	2291.1	2327.8
2101.7	7.5°	2149.7	2204.2	2258.6	2314.6	2370.5	2431.0	2491.5
2127.2	10°	2183.9	2250.1	2316.2	2390.0	2463.9	2540.5	2617.0
2138.0	12.5°	2202.2	2280.3	2358.3	2442.0	2525.7	2609.8	2693.9
2129.6	15°	2203.9	2293.8	2383.6	2474.4	2565.3	2653.0	2740.6
2092.9	17.5°	2182.3	2286.6	2390.9	2490.0	2589.1	2678.0	2766.9
2029.7	20°	2140.4	2266.8	2393.2	2502.1	2611.0	2703.5	2795.9
1955.4	22.5°	2088.8	2242.6	2396.3	2518.5	2640.6	2735.1	2829.5
1872.6	25°	2028.8	2218.6	2408.5	2548.1	2687.7	2780.2	2872.7
1796.8	27.5°	1971.3	2202.6	2434.0	2594.5	2754.9	2843.2	2931.4
1733.4	30°	1921.2	2195.1	2468.9	2654.5	2840.1	2925.3	3010.6
1678.8	32.5°	1872.6	2185.9	2499.0	2717.1	2935.3	3019.6	3104.1
1625.1	35°	1815.9	2168.4	2521.1	2788.5	3055.9	3136.8	3217.6
1562.0	37.5°	1742.8	2138.5	2534.2	2868.5	3202.7	3305.8	3408.8
1486.6	40°	1652.3	2097.3	2542.5	2970.0	3397.4	3547.5	3697.7
1403.4	42.5°	1551.7	2054.9	2558.2	3102.8	3647.3	3864.1	4080.8
1315.0	45°	1445.1	2015.4	2585.8	3277.5	3969.2	4261.6	4553.9
1245.1	47.5°	1360.9	1982.8	2604.7	3463.6	4322.6	4734.2	5145.6
1198.7	50°	1302.2	1947.3	2592.3	3636.4	4680.4	5300.8	5921.2
1168.1	52.5°	1258.3	1887.2	2516.2	3748.5	4980.7	5896.1	6811.4
1145.9	55°	1216.4	1787.7	2359.0	3723.8	5088.5	6423.8	7759.2
1119.7	57.5°	1169.5	1647.5	2125.4	3549.8	4974.4	6797.8	8621.2
1079.5	60°	1118.7	1465.3	1812.0	3226.1	4640.2	6891.3	9142.3
1009.7	62.5°	1035.7	1247.3	1459.0	2788.4	4117.7	6497.7	8877.7
940.1	65°	952.4	1051.2	1150.0	2341.7	3533.5	5940.9	8348.2
841.5	67.5°	834.6	862.7	890.8	1904.2	2917.7	5278.2	7638.7
722.5	70°	690.7	682.8	674.7	1499.3	2323.9	4555.1	6786.3
614.0	72.5°	568.9	544.7	520.5	1146.2	1772.0	3771.2	5770.5
498.5	75°	448.0	426.1	404.1	831.9	1259.7	2872.6	4485.6
390.1	77.5°	341.0	326.0	311.1	563.7	816.3	2010.6	3204.9
287.2	80°	245.6	239.5	233.3	363.2	493.2	1295.4	2097.6
199.6	82.5°	169.0	167.8	166.7	223.4	280.2	749.7	1219.3
122.0	85°	99.6	100.3	100.8	119.4	138.1	337.2	536.5
52.2	87.5°	43.1	43.6	44.2	49.5	54.8	110.5	166.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)