

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: P947654

Luminaire Tested: **GALN-SB2D-940-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947654  
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-SB2D-940-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

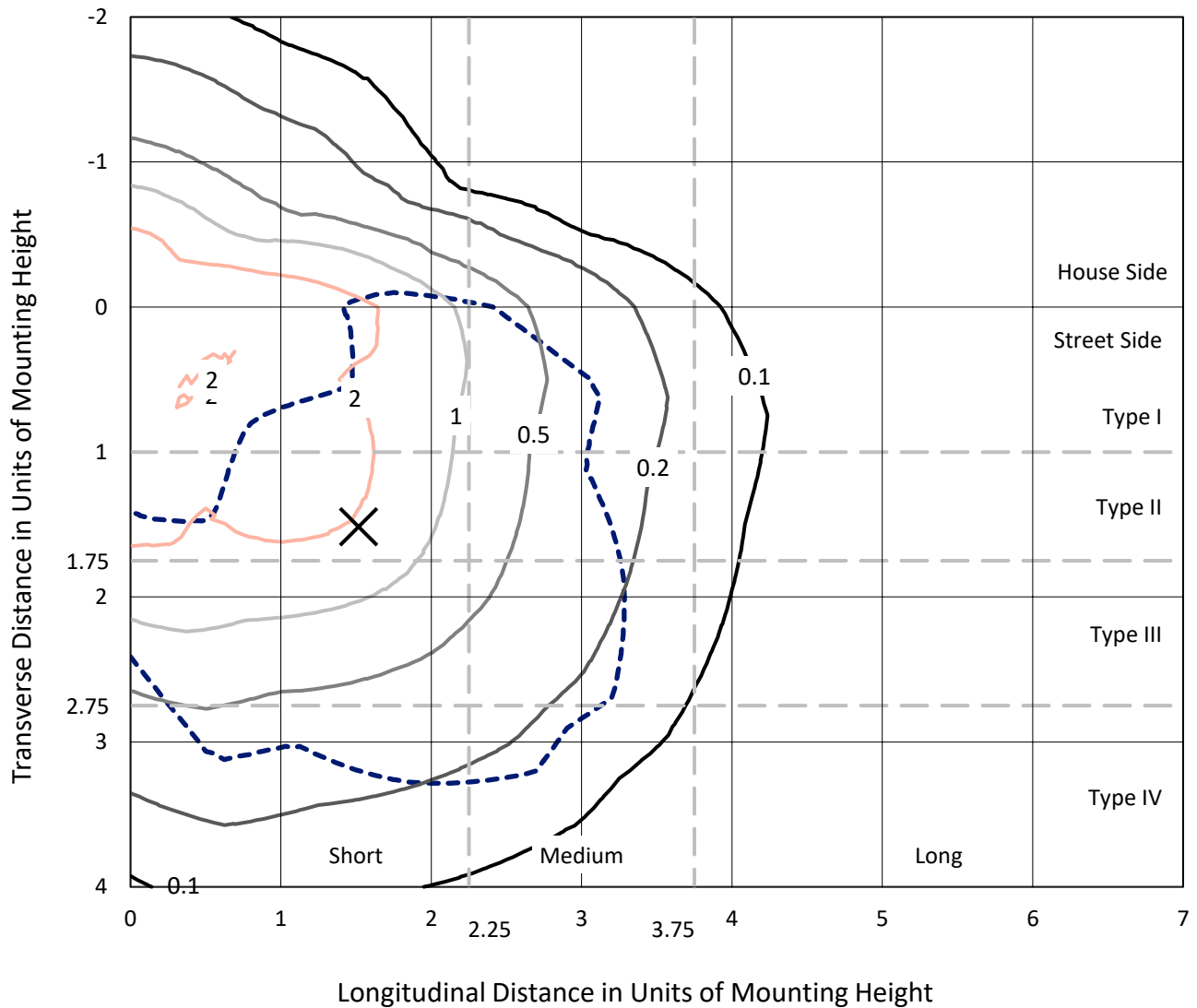
Lumens per Lamp: N/A  
Luminaire Lumens: 14694 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

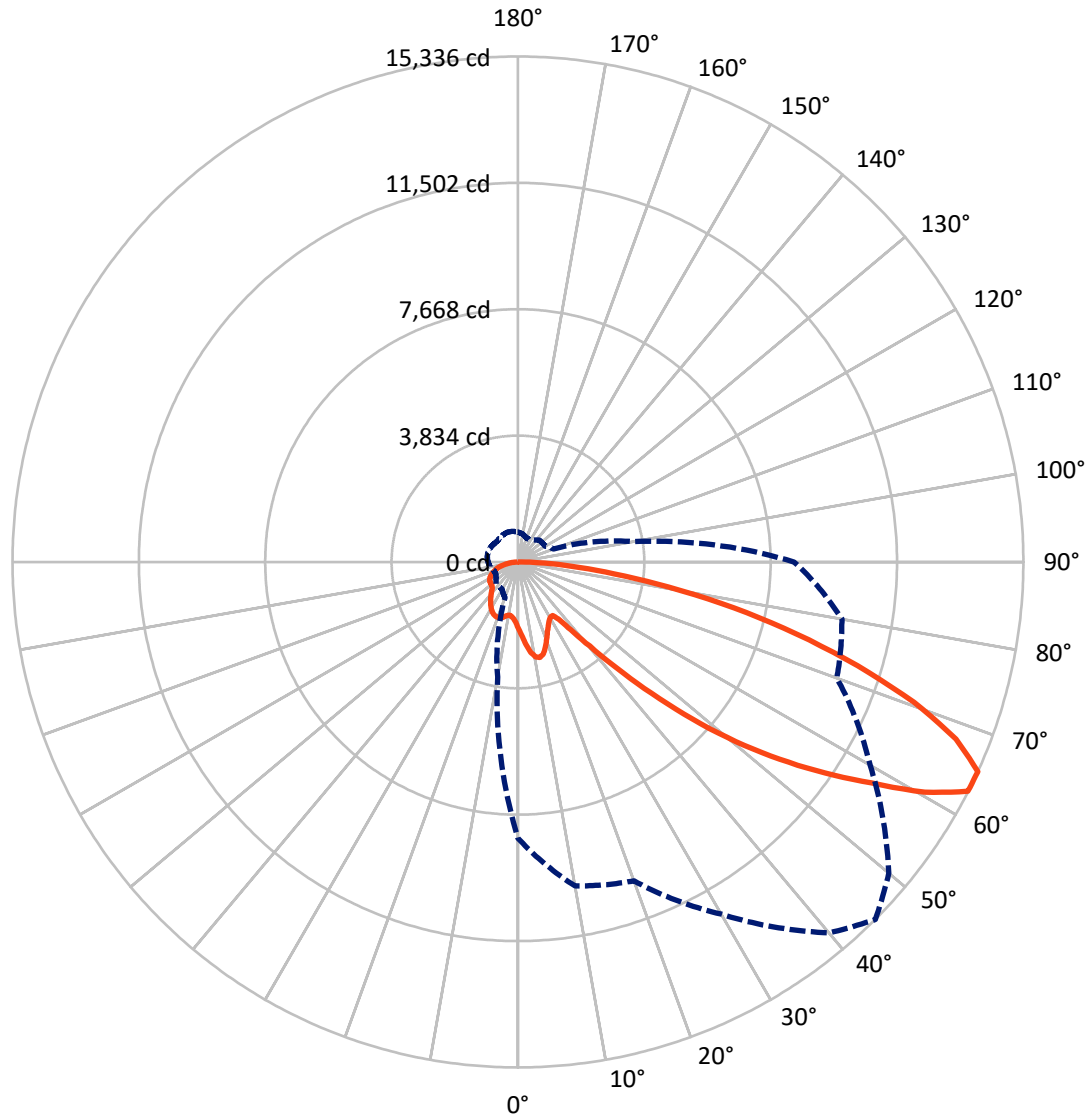
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	3734.5	0.0	3734.5
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	10959.5	0.0	10959.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	14694.0	0.0	14694.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.4	1.4
10°-20°	629.2	4.3
20°-30°	971.9	6.6
30°-40°	1231.7	8.4
40°-50°	1857.7	12.6
50°-60°	3001.3	20.4
60°-70°	3741.6	25.5
70°-80°	2453.6	16.7
80°-90°	606.6	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°	14694.0	100.0
0°-180°	14694.0	100.0

**Coefficient of Utilization**



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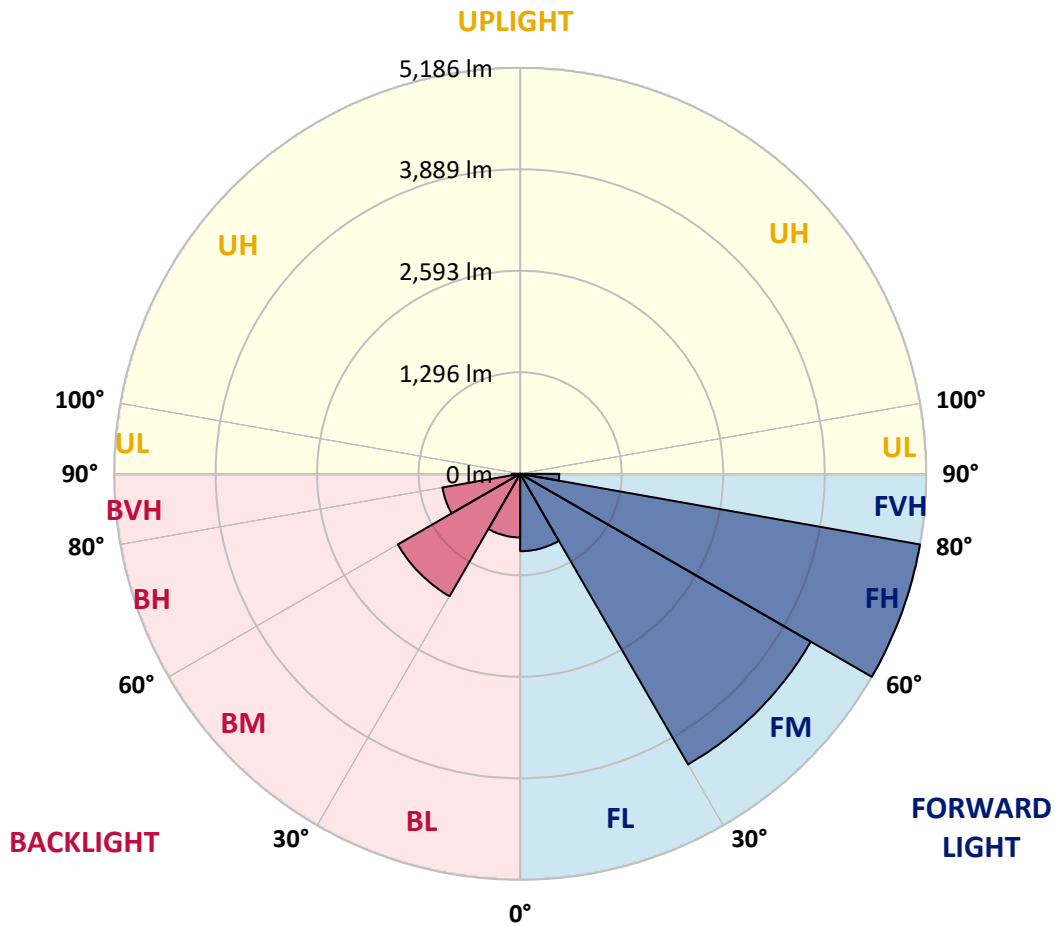
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.3	6.7			
FM (30°-60°)	4285.9	29.2			
FH (60°-80°)	5185.6	35.3			G3/7500
FVH (80°-90°)	499.7	3.4			G3/500
BL (0°-30°)	813.2	5.5	B2/1000		
BM (30°-60°)	1804.7	12.3	B2/2500		
BH (60°-80°)	1009.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	106.9	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°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
2.5°	2172.9	2181.1	2189.4	2201.1	2212.8	2219.8	2226.8	2230.3	2233.8	2232.2
5°	2336.5	2365.3	2394.1	2422.6	2451.3	2466.8	2482.3	2491.7	2501.1	2508.2
7.5°	2500.9	2547.7	2594.5	2636.6	2678.7	2704.0	2729.4	2743.1	2756.7	2763.3
10°	2626.9	2682.2	2737.6	2787.0	2836.4	2866.3	2896.1	2909.4	2922.7	2927.7
12.5°	2704.0	2764.0	2824.0	2868.6	2913.1	2934.8	2956.5	2963.8	2971.1	2971.9
15°	2750.9	2802.7	2854.4	2882.4	2910.5	2911.3	2912.0	2904.3	2896.5	2887.4
17.5°	2777.3	2812.3	2847.2	2847.8	2848.2	2816.8	2785.4	2756.7	2727.8	2707.5
20°	2806.4	2818.5	2830.8	2794.0	2757.1	2687.8	2618.5	2568.0	2517.5	2486.5
22.5°	2840.1	2824.1	2808.1	2731.9	2655.6	2553.6	2451.6	2388.5	2325.4	2291.1
25°	2883.5	2833.1	2782.7	2666.9	2551.0	2427.2	2303.4	2237.0	2170.8	2138.4
27.5°	2942.4	2852.3	2762.2	2608.7	2455.4	2318.1	2180.9	2115.6	2050.4	2019.8
30°	3021.9	2887.5	2753.3	2564.4	2375.5	2232.5	2089.6	2029.0	1968.4	1939.9
32.5°	3115.7	2931.7	2747.8	2534.1	2320.5	2186.1	2051.7	2004.2	1956.6	1936.0
35°	3229.7	3004.5	2779.5	2556.8	2334.2	2240.8	2147.6	2136.5	2125.4	2123.7
37.5°	3421.6	3156.7	2891.9	2689.5	2487.2	2481.1	2475.1	2525.8	2576.5	2602.8
40°	3711.6	3423.5	3135.5	2985.0	2834.5	2940.7	3047.0	3170.2	3293.5	3354.9
42.5°	4096.2	3810.4	3524.6	3437.9	3351.2	3582.9	3814.5	4038.8	4263.0	4394.7
45°	4571.1	4314.3	4057.5	4019.3	3981.0	4352.2	4723.4	5091.9	5460.4	5684.1
47.5°	5165.0	4915.2	4665.4	4657.7	4649.9	5185.4	5720.7	6260.1	6799.4	7116.1
50°	5943.4	5634.9	5326.5	5327.8	5329.1	6019.2	6709.2	7421.2	8133.2	8563.7
52.5°	6837.0	6463.4	6090.0	6052.2	6014.4	6838.6	7662.9	8543.8	9424.7	9940.7
55°	7788.4	7419.3	7050.2	6903.0	6755.7	7673.1	8590.4	9640.7	10690.9	11304.5
57.5°	8653.6	8452.7	8251.6	7956.3	7661.0	8587.3	9513.6	10703.2	11892.6	12653.6
60°	9176.6	9488.8	9801.0	9434.3	9067.5	9944.1	10820.7	12094.3	13367.9	14190.4
62.5°	8911.1	9764.0	10617.0	10575.6	10534.2	11337.3	12140.4	13352.1	14563.7	15323.9
65°	8379.6	9180.1	9980.6	10139.0	10297.4	11317.9	12338.5	13513.4	14688.3	15335.6
67.5°	7667.4	8428.8	9190.2	9264.5	9338.7	10402.0	11465.2	12645.2	13825.2	14332.3
70°	6811.8	7639.9	8468.2	8501.4	8534.6	9485.5	10436.3	11451.8	12467.2	12749.0
72.5°	5792.2	6742.6	7693.0	7716.9	7740.7	8484.6	9228.6	9989.1	10749.6	10778.1
75°	4502.4	5486.0	6469.6	6558.0	6646.3	7225.1	7803.9	8339.2	8874.6	8731.2
77.5°	3216.9	4135.1	5053.3	5179.7	5306.1	5746.1	6186.1	6565.8	6945.5	6699.0
80°	2105.5	2877.9	3650.3	3807.4	3964.5	4296.8	4629.0	4828.4	5027.7	4631.1
82.5°	1223.9	1752.0	2280.1	2455.6	2631.1	2859.9	3088.6	3171.8	3254.9	2943.2
85°	538.5	818.8	1099.1	1248.3	1397.6	1585.5	1773.4	1820.6	1867.8	1618.1
87.5°	166.7	260.9	355.1	438.4	521.7	615.6	709.6	713.6	717.6	602.4
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°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
2233.8	2.5°	2230.3	2226.8	2219.8	2212.8	2201.1	2189.4	2181.1	2172.9	2156.2	2139.6
2501.1	5°	2491.7	2482.3	2466.8	2451.3	2422.6	2394.1	2365.3	2336.5	2299.7	2262.8
2756.7	7.5°	2743.1	2729.4	2704.0	2678.7	2636.6	2594.5	2547.7	2500.9	2440.1	2379.4
2922.7	10°	2909.4	2896.1	2866.3	2836.4	2787.0	2737.6	2682.2	2626.9	2550.0	2473.2
2971.1	12.5°	2963.8	2956.5	2934.8	2913.1	2868.6	2824.0	2764.0	2704.0	2619.6	2535.2
2896.5	15°	2904.3	2912.0	2911.3	2910.5	2882.4	2854.4	2802.7	2750.9	2662.9	2574.9
2727.8	17.5°	2756.7	2785.4	2816.8	2848.2	2847.8	2847.2	2812.3	2777.3	2688.0	2598.8
2517.5	20°	2568.0	2618.5	2687.8	2757.1	2794.0	2830.8	2818.5	2806.4	2713.6	2620.8
2325.4	22.5°	2388.5	2451.6	2553.6	2655.6	2731.9	2808.1	2824.1	2840.1	2745.3	2650.5
2170.8	25°	2237.0	2303.4	2427.2	2551.0	2666.9	2782.7	2833.1	2883.5	2790.6	2697.8
2050.4	27.5°	2115.6	2180.9	2318.1	2455.4	2608.7	2762.2	2852.3	2942.4	2853.9	2765.3
1968.4	30°	2029.0	2089.6	2232.5	2375.5	2564.4	2753.3	2887.5	3021.9	2936.3	2850.8
1956.6	32.5°	2004.2	2051.7	2186.1	2320.5	2534.1	2747.8	2931.7	3115.7	3031.0	2946.3
2125.4	35°	2136.5	2147.6	2240.8	2334.2	2556.8	2779.5	3004.5	3229.7	3148.6	3067.4
2576.5	37.5°	2525.8	2475.1	2481.1	2487.2	2689.5	2891.9	3156.7	3421.6	3318.2	3214.7
3293.5	40°	3170.2	3047.0	2940.7	2834.5	2985.0	3135.5	3423.5	3711.6	3560.9	3410.1
4263.0	42.5°	4038.8	3814.5	3582.9	3351.2	3437.9	3524.6	3810.4	4096.2	3878.6	3661.0
5460.4	45°	5091.9	4723.4	4352.2	3981.0	4019.3	4057.5	4314.3	4571.1	4277.6	3984.1
6799.4	47.5°	6260.1	5720.7	5185.4	4649.9	4657.7	4665.4	4915.2	5165.0	4751.9	4338.8
8133.2	50°	7421.2	6709.2	6019.2	5329.1	5327.8	5326.5	5634.9	5943.4	5320.7	4698.0
9424.7	52.5°	8543.8	7662.9	6838.6	6014.4	6052.2	6090.0	6463.4	6837.0	5918.2	4999.4
10690.9	55°	9640.7	8590.4	7673.1	6755.7	6903.0	7050.2	7419.3	7788.4	6447.9	5107.6
11892.6	57.5°	10703.2	9513.6	8587.3	7661.0	7956.3	8251.6	8452.7	8653.6	6823.4	4993.1
13367.9	60°	12094.3	10820.7	9944.1	9067.5	9434.3	9801.0	9488.8	9176.6	6917.2	4657.7
14563.7	62.5°	13352.1	12140.4	11337.3	10534.2	10575.6	10617.0	9764.0	8911.1	6522.1	4133.2
14688.3	65°	13513.4	12338.5	11317.9	10297.4	10139.0	9980.6	9180.1	8379.6	5963.2	3546.8
13825.2	67.5°	12645.2	11465.2	10402.0	9338.7	9264.5	9190.2	8428.8	7667.4	5298.0	2928.6
12467.2	70°	11451.8	10436.3	9485.5	8534.6	8501.4	8468.2	7639.9	6811.8	4572.2	2332.6
10749.6	72.5°	9989.1	9228.6	8484.6	7740.7	7716.9	7693.0	6742.6	5792.2	3785.4	1778.6
8874.6	75°	8339.2	7803.9	7225.1	6646.3	6558.0	6469.6	5486.0	4502.4	2883.4	1264.4
6945.5	77.5°	6565.8	6186.1	5746.1	5306.1	5179.7	5053.3	4135.1	3216.9	2018.1	819.4
5027.7	80°	4828.4	4629.0	4296.8	3964.5	3807.4	3650.3	2877.9	2105.5	1300.3	495.1
3254.9	82.5°	3171.8	3088.6	2859.9	2631.1	2455.6	2280.1	1752.0	1223.9	752.6	281.3
1867.8	85°	1820.6	1773.4	1585.5	1397.6	1248.3	1099.1	818.8	538.5	338.5	138.6
717.6	87.5°	713.6	709.6	615.6	521.7	438.4	355.1	260.9	166.7	110.9	55.0
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
2121.8	2.5°	2104.1	2086.3	2068.5	2051.4	2034.4	2017.8	1999.5	1984.6	1969.8	1956.4
2226.1	5°	2189.4	2152.4	2115.5	2081.0	2046.5	2014.0	1981.8	1953.7	1925.6	1902.0
2323.2	7.5°	2267.1	2212.4	2157.8	2109.6	2061.5	2017.1	1975.4	1938.1	1900.8	1869.7
2399.0	10°	2324.9	2258.5	2192.1	2135.1	2078.1	2023.3	1978.5	1939.1	1899.8	1868.7
2451.2	12.5°	2367.1	2288.8	2210.5	2146.1	2081.6	2024.0	1982.4	1950.2	1918.1	1897.4
2483.7	15°	2392.6	2302.4	2212.2	2137.6	2063.0	1999.2	1965.9	1950.5	1935.1	1937.9
2499.3	17.5°	2399.9	2295.2	2190.5	2100.8	2011.1	1936.0	1915.5	1921.2	1926.7	1960.5
2511.5	20°	2402.2	2275.3	2148.5	2037.3	1926.1	1838.7	1833.3	1859.7	1886.0	1944.7
2527.9	22.5°	2405.3	2251.0	2096.7	1962.8	1828.9	1729.4	1740.0	1779.0	1818.0	1885.0
2557.7	25°	2417.5	2226.9	2036.4	1879.6	1722.8	1620.9	1649.5	1694.5	1739.5	1799.7
2604.2	27.5°	2443.1	2210.9	1978.7	1803.5	1628.4	1535.6	1570.5	1613.9	1657.3	1706.8
2664.5	30°	2478.2	2203.4	1928.4	1740.0	1551.5	1473.5	1500.9	1535.3	1569.9	1611.0
2727.4	32.5°	2508.4	2194.1	1879.6	1685.1	1490.6	1427.8	1440.0	1460.4	1480.8	1513.6
2799.0	35°	2530.6	2176.6	1822.7	1631.3	1439.8	1387.5	1382.4	1388.0	1393.7	1418.7
2879.2	37.5°	2543.8	2146.5	1749.3	1567.8	1386.3	1340.6	1322.1	1315.9	1309.7	1327.7
2981.1	40°	2552.1	2105.2	1658.5	1492.2	1325.8	1284.4	1256.1	1242.0	1228.0	1240.9
3114.4	42.5°	2567.8	2062.6	1557.5	1408.6	1259.8	1221.6	1185.9	1167.3	1148.7	1159.2
3289.8	45°	2595.5	2023.0	1450.5	1319.9	1189.4	1150.6	1116.1	1098.0	1079.9	1088.7
3476.7	47.5°	2614.5	1990.2	1366.0	1249.8	1133.6	1083.5	1053.9	1038.7	1023.5	1031.8
3650.0	50°	2602.1	1954.6	1307.1	1203.2	1099.3	1033.5	999.0	985.5	972.1	985.2
3762.6	52.5°	2525.7	1894.3	1263.0	1172.5	1082.0	1006.4	958.2	944.8	931.6	951.2
3737.8	55°	2367.9	1794.5	1221.0	1150.2	1079.4	1009.1	936.5	915.4	894.4	922.2
3563.2	57.5°	2133.4	1653.7	1173.9	1123.9	1073.9	1011.8	923.4	892.7	862.0	892.0
3238.2	60°	1818.8	1470.8	1122.9	1083.5	1044.2	1003.3	911.2	871.4	831.6	857.8
2798.8	62.5°	1464.5	1252.0	1039.6	1013.5	987.4	982.4	896.9	847.1	797.4	814.1
2350.5	65°	1154.3	1055.2	956.0	943.7	931.3	932.0	866.8	814.0	761.0	767.4
1911.4	67.5°	894.1	866.0	837.8	844.7	851.5	849.8	813.2	769.1	725.1	723.1
1504.9	70°	677.3	685.3	693.3	725.3	757.1	757.1	745.1	713.8	682.5	675.5
1150.5	72.5°	522.4	546.7	571.0	616.3	661.5	669.1	669.3	647.8	626.3	616.1
835.0	75°	405.7	427.7	449.7	500.4	551.1	586.2	583.2	566.7	550.1	540.3
565.8	77.5°	312.3	327.3	342.3	391.5	440.8	498.5	497.0	483.7	470.5	460.6
364.6	80°	234.2	240.4	246.6	288.3	329.9	398.9	398.7	387.6	376.4	368.1
224.2	82.5°	167.3	168.4	169.6	200.3	231.1	290.0	293.2	287.8	282.4	276.5
119.9	85°	101.2	100.6	100.0	122.5	145.0	188.8	193.1	187.2	181.4	174.8
49.7	87.5°	44.3	43.8	43.3	52.4	61.6	79.9	85.3	83.0	80.6	79.4
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
1943.0	2.5°	1931.3	1919.6	1907.8	1896.1	1887.0	1877.9	1870.5	1863.2	1857.4	1851.7
1878.5	5°	1857.7	1836.9	1818.1	1799.2	1784.7	1770.1	1760.0	1749.8	1742.6	1735.4
1838.7	7.5°	1812.6	1786.4	1763.3	1740.3	1723.0	1705.8	1693.7	1681.6	1673.3	1665.1
1837.7	10°	1809.6	1781.4	1755.4	1729.4	1708.8	1688.1	1674.6	1660.9	1653.1	1645.3
1877.0	12.5°	1854.8	1832.8	1805.9	1779.0	1752.7	1726.3	1708.9	1691.4	1682.7	1674.0
1940.7	15°	1935.0	1929.2	1905.9	1882.5	1845.0	1807.5	1781.0	1754.5	1742.3	1730.2
1994.3	17.5°	2012.3	2030.2	2011.4	1992.6	1942.9	1893.2	1854.2	1815.1	1797.1	1779.0
2003.5	20°	2041.1	2078.7	2070.0	2061.3	2004.4	1947.7	1899.8	1851.9	1828.9	1805.8
1952.2	22.5°	2001.1	2050.0	2055.3	2060.5	2006.2	1951.9	1902.6	1853.2	1829.0	1804.6
1860.1	25°	1908.2	1956.4	1974.3	1992.3	1947.7	1903.3	1859.4	1815.7	1794.6	1773.6
1756.3	27.5°	1794.9	1833.5	1853.5	1873.6	1841.9	1810.3	1776.2	1742.2	1728.1	1713.9
1652.1	30°	1684.1	1716.2	1732.5	1748.8	1724.7	1700.5	1676.1	1651.6	1644.4	1637.1
1546.4	32.5°	1577.1	1607.9	1626.0	1644.1	1621.9	1599.7	1580.2	1560.8	1556.0	1551.3
1443.7	35°	1474.1	1504.6	1526.3	1548.0	1532.2	1516.4	1498.4	1480.5	1473.3	1466.2
1345.6	37.5°	1375.9	1406.3	1433.1	1460.0	1452.7	1445.4	1428.9	1412.3	1399.2	1386.2
1253.9	40°	1283.2	1312.5	1343.4	1374.3	1376.1	1377.8	1363.8	1349.7	1330.6	1311.7
1169.8	42.5°	1197.6	1225.4	1258.8	1292.1	1301.0	1309.9	1298.1	1286.3	1262.7	1239.0
1097.7	45°	1124.1	1150.5	1185.0	1219.6	1232.4	1245.2	1234.5	1223.9	1196.8	1169.8
1040.1	47.5°	1065.9	1091.7	1125.8	1159.9	1174.6	1189.4	1181.9	1174.5	1150.5	1126.4
998.3	50°	1022.6	1046.9	1077.4	1108.0	1126.9	1145.8	1145.3	1145.0	1125.8	1106.6
970.7	52.5°	993.1	1015.3	1043.8	1072.3	1094.7	1117.1	1121.2	1125.2	1109.5	1093.9
950.0	55°	974.0	998.0	1023.0	1047.9	1071.6	1095.4	1101.0	1106.6	1092.9	1079.3
921.9	57.5°	950.1	978.3	1003.0	1027.7	1051.7	1075.6	1081.2	1086.9	1073.1	1059.3
884.0	60°	916.5	948.9	973.9	999.0	1023.1	1047.1	1053.3	1059.5	1046.0	1032.6
830.8	62.5°	868.5	906.4	933.1	959.9	981.9	1003.9	1009.9	1015.9	1003.7	991.5
773.8	65°	814.3	854.8	880.4	906.0	925.4	944.8	950.9	956.9	945.2	933.5
721.1	67.5°	758.4	795.9	820.2	844.4	861.1	877.8	883.8	889.7	878.9	868.2
668.5	70°	701.4	734.3	755.2	776.1	791.2	806.4	812.1	817.8	809.1	800.3
605.9	72.5°	631.8	657.6	676.6	695.5	710.3	725.1	731.9	738.7	731.5	724.2
530.5	75°	549.7	568.9	586.1	603.2	616.7	630.2	637.3	644.5	640.9	637.3
450.6	77.5°	466.3	481.9	496.6	511.3	525.5	539.6	546.3	553.0	548.0	542.9
359.8	80°	372.8	385.7	398.1	410.5	421.3	432.0	440.9	449.7	447.5	445.4
270.6	82.5°	269.5	268.4	264.1	259.7	282.7	305.6	320.7	335.7	334.8	333.8
168.3	85°	162.7	157.0	145.0	133.0	154.4	176.0	194.6	213.2	211.7	210.1
78.2	87.5°	77.9	77.7	68.5	59.3	68.3	77.4	84.9	92.4	90.6	88.5
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°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
1846.4	2.5°	1841.1	1834.5	1841.1	1846.4	1851.7	1857.4	1863.2	1870.5	1877.9	1887.0
1729.9	5°	1724.4	1718.9	1724.4	1729.9	1735.4	1742.6	1749.8	1760.0	1770.1	1784.7
1660.1	7.5°	1655.2	1651.5	1655.2	1660.1	1665.1	1673.3	1681.6	1693.7	1705.8	1723.0
1641.1	10°	1636.9	1635.2	1636.9	1641.1	1645.3	1653.1	1660.9	1674.6	1688.1	1708.8
1670.4	12.5°	1666.8	1666.2	1666.8	1670.4	1674.0	1682.7	1691.4	1708.9	1726.3	1752.7
1725.5	15°	1720.9	1720.5	1720.9	1725.5	1730.2	1742.3	1754.5	1781.0	1807.5	1845.0
1773.1	17.5°	1767.2	1766.2	1767.2	1773.1	1779.0	1797.1	1815.1	1854.2	1893.2	1942.9
1798.4	20°	1791.0	1788.7	1791.0	1798.4	1805.8	1828.9	1851.9	1899.8	1947.7	2004.4
1796.5	22.5°	1788.3	1784.8	1788.3	1796.5	1804.6	1829.0	1853.2	1902.6	1951.9	2006.2
1765.9	25°	1758.3	1753.8	1758.3	1765.9	1773.6	1794.6	1815.7	1859.4	1903.3	1947.7
1710.4	27.5°	1706.9	1705.8	1706.9	1710.4	1713.9	1728.1	1742.2	1776.2	1810.3	1841.9
1637.1	30°	1637.1	1638.3	1637.1	1637.1	1637.1	1644.4	1651.6	1676.1	1700.5	1724.7
1551.9	32.5°	1552.6	1553.8	1552.6	1551.9	1551.3	1556.0	1560.8	1580.2	1599.7	1621.9
1464.6	35°	1463.1	1462.3	1463.1	1464.6	1466.2	1473.3	1480.5	1498.4	1516.4	1532.2
1379.3	37.5°	1372.4	1368.5	1372.4	1379.3	1386.2	1399.2	1412.3	1428.9	1445.4	1452.7
1298.9	40°	1286.1	1278.5	1286.1	1298.9	1311.7	1330.6	1349.7	1363.8	1377.8	1376.1
1220.3	42.5°	1201.6	1189.4	1201.6	1220.3	1239.0	1262.7	1286.3	1298.1	1309.9	1301.0
1147.9	45°	1126.0	1111.8	1126.0	1147.9	1169.8	1196.8	1223.9	1234.5	1245.2	1232.4
1106.1	47.5°	1085.9	1072.3	1085.9	1106.1	1126.4	1150.5	1174.5	1181.9	1189.4	1174.6
1087.8	50°	1069.0	1056.0	1069.0	1087.8	1106.6	1125.8	1145.0	1145.3	1145.8	1126.9
1077.0	52.5°	1060.3	1048.3	1060.3	1077.0	1093.9	1109.5	1125.2	1121.2	1117.1	1094.7
1064.5	55°	1049.8	1039.0	1049.8	1064.5	1079.3	1092.9	1106.6	1101.0	1095.4	1071.6
1044.7	57.5°	1030.0	1018.8	1030.0	1044.7	1059.3	1073.1	1086.9	1081.2	1075.6	1051.7
1017.6	60°	1002.5	990.9	1002.5	1017.6	1032.6	1046.0	1059.5	1053.3	1047.1	1023.1
975.7	62.5°	959.9	945.9	959.9	975.7	991.5	1003.7	1015.9	1009.9	1003.9	981.9
918.2	65°	902.9	890.9	902.9	918.2	933.5	945.2	956.9	950.9	944.8	925.4
854.0	67.5°	839.7	828.8	839.7	854.0	868.2	878.9	889.7	883.8	877.8	861.1
786.7	70°	773.0	760.6	773.0	786.7	800.3	809.1	817.8	812.1	806.4	791.2
711.1	72.5°	698.2	686.2	698.2	711.1	724.2	731.5	738.7	731.9	725.1	710.3
626.4	75°	615.5	604.0	615.5	626.4	637.3	640.9	644.5	637.3	630.2	616.7
531.9	77.5°	520.9	511.7	520.9	531.9	542.9	548.0	553.0	546.3	539.6	525.5
430.6	80°	415.7	398.5	415.7	430.6	445.4	447.5	449.7	440.9	432.0	421.3
321.3	82.5°	308.7	297.7	308.7	321.3	333.8	334.8	335.7	320.7	305.6	282.7
200.3	85°	190.6	180.7	190.6	200.3	210.1	211.7	213.2	194.6	176.0	154.4
83.6	87.5°	78.5	73.7	78.5	83.6	88.5	90.6	92.4	84.9	77.4	68.3
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°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
1896.1	2.5°	1907.8	1919.6	1931.3	1943.0	1956.4	1969.8	1984.6	1999.5	2017.8	2034.4
1799.2	5°	1818.1	1836.9	1857.7	1878.5	1902.0	1925.6	1953.7	1981.8	2014.0	2046.5
1740.3	7.5°	1763.3	1786.4	1812.6	1838.7	1869.7	1900.8	1938.1	1975.4	2017.1	2061.5
1729.4	10°	1755.4	1781.4	1809.6	1837.7	1868.7	1899.8	1939.1	1978.5	2023.3	2078.1
1779.0	12.5°	1805.9	1832.8	1854.8	1877.0	1897.4	1918.1	1950.2	1982.4	2024.0	2081.6
1882.5	15°	1905.9	1929.2	1935.0	1940.7	1937.9	1935.1	1950.5	1965.9	1999.2	2063.0
1992.6	17.5°	2011.4	2030.2	2012.3	1994.3	1960.5	1926.7	1921.2	1915.5	1936.0	2011.1
2061.3	20°	2070.0	2078.7	2041.1	2003.5	1944.7	1886.0	1859.7	1833.3	1838.7	1926.1
2060.5	22.5°	2055.3	2050.0	2001.1	1952.2	1885.0	1818.0	1779.0	1740.0	1729.4	1828.9
1992.3	25°	1974.3	1956.4	1908.2	1860.1	1799.7	1739.5	1694.5	1649.5	1620.9	1722.8
1873.6	27.5°	1853.5	1833.5	1794.9	1756.3	1706.8	1657.3	1613.9	1570.5	1535.6	1628.4
1748.8	30°	1732.5	1716.2	1684.1	1652.1	1611.0	1569.9	1535.3	1500.9	1473.5	1551.5
1644.1	32.5°	1626.0	1607.9	1577.1	1546.4	1513.6	1480.8	1460.4	1440.0	1427.8	1490.6
1548.0	35°	1526.3	1504.6	1474.1	1443.7	1418.7	1393.7	1388.0	1382.4	1387.5	1439.8
1460.0	37.5°	1433.1	1406.3	1375.9	1345.6	1327.7	1309.7	1315.9	1322.1	1340.6	1386.3
1374.3	40°	1343.4	1312.5	1283.2	1253.9	1240.9	1228.0	1242.0	1256.1	1284.4	1325.8
1292.1	42.5°	1258.8	1225.4	1197.6	1169.8	1159.2	1148.7	1167.3	1185.9	1221.6	1259.8
1219.6	45°	1185.0	1150.5	1124.1	1097.7	1088.7	1079.9	1098.0	1116.1	1150.6	1189.4
1159.9	47.5°	1125.8	1091.7	1065.9	1040.1	1031.8	1023.5	1038.7	1053.9	1083.5	1133.6
1108.0	50°	1077.4	1046.9	1022.6	998.3	985.2	972.1	985.5	999.0	1033.5	1099.3
1072.3	52.5°	1043.8	1015.3	993.1	970.7	951.2	931.6	944.8	958.2	1006.4	1082.0
1047.9	55°	1023.0	998.0	974.0	950.0	922.2	894.4	915.4	936.5	1009.1	1079.4
1027.7	57.5°	1003.0	978.3	950.1	921.9	892.0	862.0	892.7	923.4	1011.8	1073.9
999.0	60°	973.9	948.9	916.5	884.0	857.8	831.6	871.4	911.2	1003.3	1044.2
959.9	62.5°	933.1	906.4	868.5	830.8	814.1	797.4	847.1	896.9	982.4	987.4
906.0	65°	880.4	854.8	814.3	773.8	767.4	761.0	814.0	866.8	932.0	931.3
844.4	67.5°	820.2	795.9	758.4	721.1	723.1	725.1	769.1	813.2	849.8	851.5
776.1	70°	755.2	734.3	701.4	668.5	675.5	682.5	713.8	745.1	757.1	757.1
695.5	72.5°	676.6	657.6	631.8	605.9	616.1	626.3	647.8	669.3	669.1	661.5
603.2	75°	586.1	568.9	549.7	530.5	540.3	550.1	566.7	583.2	586.2	551.1
511.3	77.5°	496.6	481.9	466.3	450.6	460.6	470.5	483.7	497.0	498.5	440.8
410.5	80°	398.1	385.7	372.8	359.8	368.1	376.4	387.6	398.7	398.9	329.9
259.7	82.5°	264.1	268.4	269.5	270.6	276.5	282.4	287.8	293.2	290.0	231.1
133.0	85°	145.0	157.0	162.7	168.3	174.8	181.4	187.2	193.1	188.8	145.0
59.3	87.5°	68.5	77.7	77.9	78.2	79.4	80.6	83.0	85.3	79.9	61.6
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):**

325°		330°	335°	340°	345°	350°	355°	360°
2020.6	0°	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6	2020.6
2051.4	2.5°	2068.5	2086.3	2104.1	2121.8	2139.6	2156.2	2172.9
2081.0	5°	2115.5	2152.4	2189.4	2226.1	2262.8	2299.7	2336.5
2109.6	7.5°	2157.8	2212.4	2267.1	2323.2	2379.4	2440.1	2500.9
2135.1	10°	2192.1	2258.5	2324.9	2399.0	2473.2	2550.0	2626.9
2146.1	12.5°	2210.5	2288.8	2367.1	2451.2	2535.2	2619.6	2704.0
2137.6	15°	2212.2	2302.4	2392.6	2483.7	2574.9	2662.9	2750.9
2100.8	17.5°	2190.5	2295.2	2399.9	2499.3	2598.8	2688.0	2777.3
2037.3	20°	2148.5	2275.3	2402.2	2511.5	2620.8	2713.6	2806.4
1962.8	22.5°	2096.7	2251.0	2405.3	2527.9	2650.5	2745.3	2840.1
1879.6	25°	2036.4	2226.9	2417.5	2557.7	2697.8	2790.6	2883.5
1803.5	27.5°	1978.7	2210.9	2443.1	2604.2	2765.3	2853.9	2942.4
1740.0	30°	1928.4	2203.4	2478.2	2664.5	2850.8	2936.3	3021.9
1685.1	32.5°	1879.6	2194.1	2508.4	2727.4	2946.3	3031.0	3115.7
1631.3	35°	1822.7	2176.6	2530.6	2799.0	3067.4	3148.6	3229.7
1567.8	37.5°	1749.3	2146.5	2543.8	2879.2	3214.7	3318.2	3421.6
1492.2	40°	1658.5	2105.2	2552.1	2981.1	3410.1	3560.9	3711.6
1408.6	42.5°	1557.5	2062.6	2567.8	3114.4	3661.0	3878.6	4096.2
1319.9	45°	1450.5	2023.0	2595.5	3289.8	3984.1	4277.6	4571.1
1249.8	47.5°	1366.0	1990.2	2614.5	3476.7	4338.8	4751.9	5165.0
1203.2	50°	1307.1	1954.6	2602.1	3650.0	4698.0	5320.7	5943.4
1172.5	52.5°	1263.0	1894.3	2525.7	3762.6	4999.4	5918.2	6837.0
1150.2	55°	1221.0	1794.5	2367.9	3737.8	5107.6	6447.9	7788.4
1123.9	57.5°	1173.9	1653.7	2133.4	3563.2	4993.1	6823.4	8653.6
1083.5	60°	1122.9	1470.8	1818.8	3238.2	4657.7	6917.2	9176.6
1013.5	62.5°	1039.6	1252.0	1464.5	2798.8	4133.2	6522.1	8911.1
943.7	65°	956.0	1055.2	1154.3	2350.5	3546.8	5963.2	8379.6
844.7	67.5°	837.8	866.0	894.1	1911.4	2928.6	5298.0	7667.4
725.3	70°	693.3	685.3	677.3	1504.9	2332.6	4572.2	6811.8
616.3	72.5°	571.0	546.7	522.4	1150.5	1778.6	3785.4	5792.2
500.4	75°	449.7	427.7	405.7	835.0	1264.4	2883.4	4502.4
391.5	77.5°	342.3	327.3	312.3	565.8	819.4	2018.1	3216.9
288.3	80°	246.6	240.4	234.2	364.6	495.1	1300.3	2105.5
200.3	82.5°	169.6	168.4	167.3	224.2	281.3	752.6	1223.9
122.5	85°	100.0	100.6	101.2	119.9	138.6	338.5	538.5
52.4	87.5°	43.3	43.8	44.3	49.7	55.0	110.9	166.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)