

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: P948683

Luminaire Tested: **GALN-SB3C-930-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948683
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-SB3C-930-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15575 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

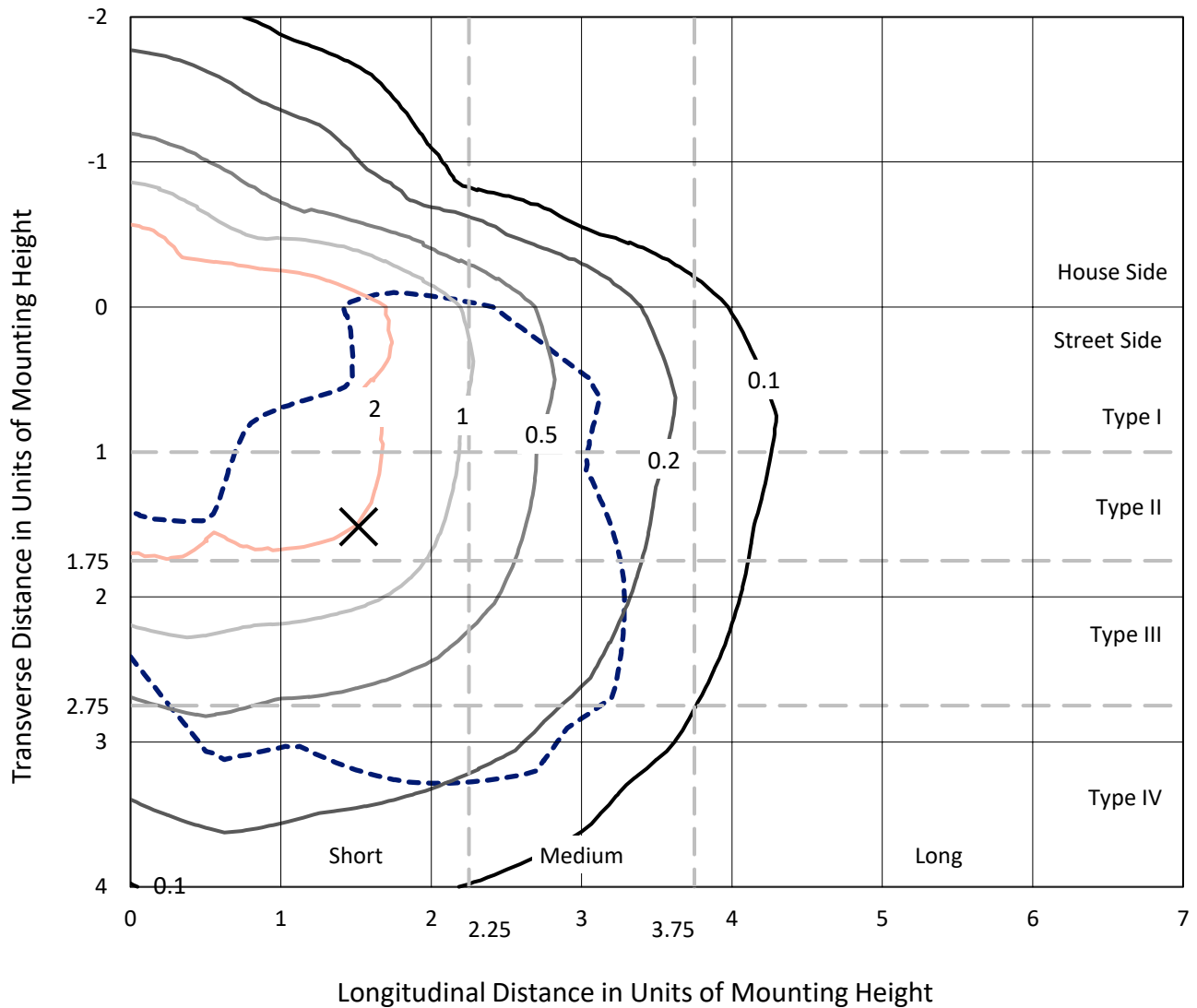
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

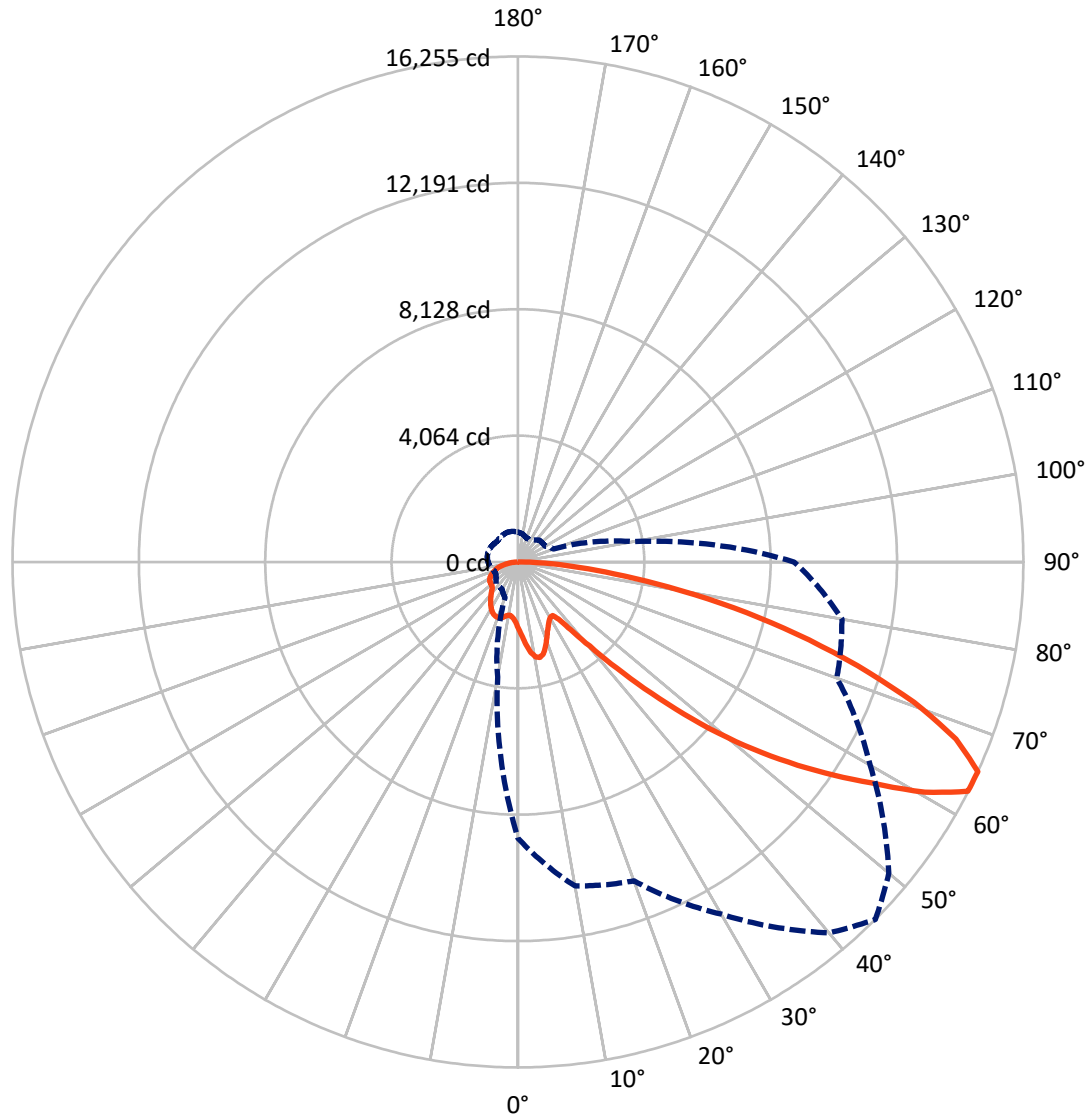
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3958.4	0.0	3958.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11616.6	0.0	11616.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	15575.0	0.0	15575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	1.4
10°-20°	666.9	4.3
20°-30°	1030.2	6.6
30°-40°	1305.5	8.4
40°-50°	1969.0	12.6
50°-60°	3181.3	20.4
60°-70°	3966.0	25.5
70°-80°	2600.7	16.7
80°-90°	643.0	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°	15575.0	100.0
0°-180°	15575.0	100.0

Coefficient of Utilization



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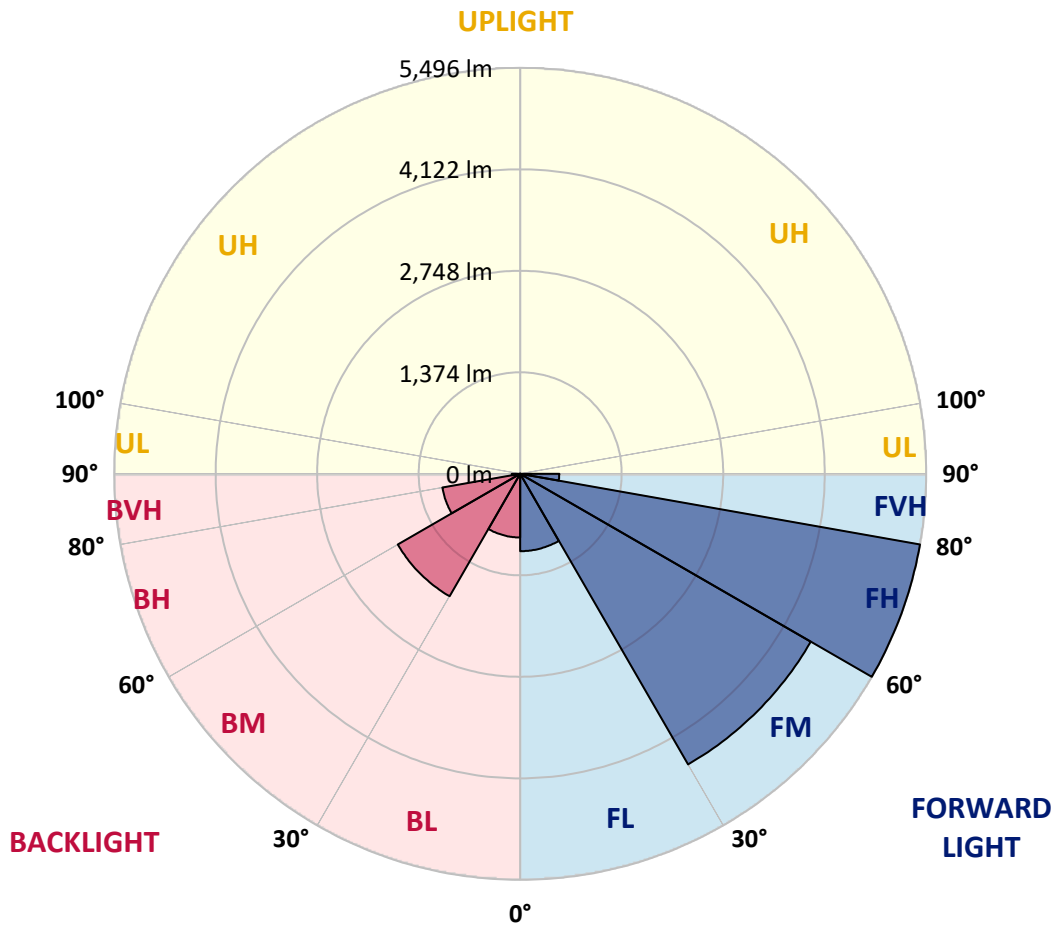
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.6	6.7			
FM (30°-60°)	4542.9	29.2			
FH (60°-80°)	5496.5	35.3			G3/7500
FVH (80°-90°)	529.7	3.4			G4/750
BL (0°-30°)	862.0	5.5	B2/1000		
BM (30°-60°)	1912.9	12.3	B2/2500		
BH (60°-80°)	1070.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	113.3	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°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2.5°	2303.2	2311.9	2320.7	2333.1	2345.5	2352.9	2360.3	2364.0	2367.7	2366.1
5°	2476.6	2507.1	2537.7	2567.9	2598.2	2614.7	2631.1	2641.0	2651.1	2658.6
7.5°	2650.8	2700.5	2750.0	2794.6	2839.3	2866.1	2893.0	2907.6	2922.0	2929.0
10°	2784.4	2843.0	2901.7	2954.1	3006.4	3038.2	3069.7	3083.8	3097.9	3103.2
12.5°	2866.1	2929.8	2993.3	3040.6	3087.8	3110.8	3133.8	3141.5	3149.3	3150.1
15°	2915.9	2970.8	3025.6	3055.2	3085.0	3085.8	3086.6	3078.4	3070.2	3060.5
17.5°	2943.8	2980.9	3017.9	3018.5	3019.0	2985.7	2952.4	2921.9	2891.4	2869.8
20°	2974.6	2987.5	3000.5	2961.5	2922.4	2849.0	2775.5	2722.0	2668.5	2635.6
22.5°	3010.4	2993.4	2976.5	2895.6	2814.8	2706.7	2598.6	2531.7	2464.8	2428.5
25°	3056.4	3003.0	2949.6	2826.8	2704.0	2572.7	2441.5	2371.2	2301.0	2266.6
27.5°	3118.9	3023.4	2927.8	2765.1	2602.6	2457.1	2311.7	2242.5	2173.3	2140.9
30°	3203.1	3060.7	2918.3	2718.1	2517.9	2366.4	2214.8	2150.7	2086.5	2056.2
32.5°	3302.5	3107.5	2912.6	2686.1	2459.6	2317.2	2174.7	2124.4	2073.9	2052.1
35°	3423.3	3184.7	2946.1	2710.1	2474.1	2375.2	2276.3	2264.6	2252.8	2251.0
37.5°	3626.7	3346.0	3065.3	2850.8	2636.3	2629.9	2623.5	2677.2	2731.0	2758.9
40°	3934.1	3628.8	3323.5	3164.0	3004.5	3117.0	3229.6	3360.3	3491.0	3556.1
42.5°	4341.7	4038.8	3735.9	3644.0	3552.1	3797.7	4043.3	4280.9	4518.6	4658.1
45°	4845.1	4573.0	4300.8	4260.3	4219.7	4613.1	5006.6	5397.1	5787.8	6024.9
47.5°	5474.6	5209.9	4945.1	4936.9	4928.7	5496.3	6063.6	6635.4	7207.1	7542.8
50°	6299.8	5972.8	5645.8	5647.2	5648.6	6380.1	7111.5	7866.2	8620.9	9077.1
52.5°	7246.9	6851.0	6455.1	6415.1	6375.0	7248.6	8122.3	9056.1	9989.8	10536.7
55°	8255.3	7864.1	7472.9	7316.9	7160.8	8133.2	9105.5	10218.7	11331.8	11982.3
57.5°	9172.5	8959.5	8746.4	8433.3	8120.4	9102.2	10084.1	11344.9	12605.7	13412.3
60°	9726.8	10057.7	10388.6	9999.9	9611.2	10540.3	11469.5	12819.4	14169.4	15041.2
62.5°	9445.3	10349.4	11253.5	11209.7	11165.8	12017.0	12868.3	14152.6	15436.9	16242.7
65°	8882.0	9730.5	10579.0	10746.9	10914.8	11996.5	13078.2	14323.6	15569.0	16255.0
67.5°	8127.1	8934.1	9741.2	9819.9	9898.6	11025.6	12152.6	13403.4	14654.1	15191.6
70°	7220.2	8098.0	8975.9	9011.1	9046.3	10054.2	11062.0	12138.4	13214.7	13513.4
72.5°	6139.5	7146.8	8154.2	8179.5	8204.8	8993.3	9781.9	10588.0	11394.1	11424.3
75°	4772.4	5815.0	6857.5	6951.1	7044.8	7658.3	8271.7	8839.2	9406.7	9254.7
77.5°	3409.8	4383.0	5356.3	5490.3	5624.2	6090.6	6557.0	6959.4	7362.0	7100.6
80°	2231.7	3050.5	3869.2	4035.7	4202.2	4554.4	4906.5	5117.9	5329.2	4908.8
82.5°	1297.3	1857.0	2416.8	2602.8	2788.9	3031.3	3273.8	3362.0	3450.1	3119.7
85°	570.8	867.9	1164.9	1323.2	1481.4	1680.6	1879.7	1929.7	1979.8	1715.2
87.5°	176.7	276.5	376.4	464.7	552.9	652.5	752.1	756.4	760.6	638.6
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°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2367.7	2.5°	2364.0	2360.3	2352.9	2345.5	2333.1	2320.7	2311.9	2303.2	2285.5	2267.8
2651.1	5°	2641.0	2631.1	2614.7	2598.2	2567.9	2537.7	2507.1	2476.6	2437.6	2398.5
2922.0	7.5°	2907.6	2893.0	2866.1	2839.3	2794.6	2750.0	2700.5	2650.8	2586.4	2522.0
3097.9	10°	3083.8	3069.7	3038.2	3006.4	2954.1	2901.7	2843.0	2784.4	2702.9	2621.5
3149.3	12.5°	3141.5	3133.8	3110.8	3087.8	3040.6	2993.3	2929.8	2866.1	2776.6	2687.2
3070.2	15°	3078.4	3086.6	3085.8	3085.0	3055.2	3025.6	2970.8	2915.9	2822.6	2729.3
2891.4	17.5°	2921.9	2952.4	2985.7	3019.0	3018.5	3017.9	2980.9	2943.8	2849.2	2754.6
2668.5	20°	2722.0	2775.5	2849.0	2922.4	2961.5	3000.5	2987.5	2974.6	2876.3	2778.0
2464.8	22.5°	2531.7	2598.6	2706.7	2814.8	2895.6	2976.5	2993.4	3010.4	2909.9	2809.4
2301.0	25°	2371.2	2441.5	2572.7	2704.0	2826.8	2949.6	3003.0	3056.4	2957.9	2859.6
2173.3	27.5°	2242.5	2311.7	2457.1	2602.6	2765.1	2927.8	3023.4	3118.9	3025.0	2931.1
2086.5	30°	2150.7	2214.8	2366.4	2517.9	2718.1	2918.3	3060.7	3203.1	3112.4	3021.7
2073.9	32.5°	2124.4	2174.7	2317.2	2459.6	2686.1	2912.6	3107.5	3302.5	3212.7	3123.0
2252.8	35°	2264.6	2276.3	2375.2	2474.1	2710.1	2946.1	3184.7	3423.3	3337.4	3251.3
2731.0	37.5°	2677.2	2623.5	2629.9	2636.3	2850.8	3065.3	3346.0	3626.7	3517.1	3407.5
3491.0	40°	3360.3	3229.6	3117.0	3004.5	3164.0	3323.5	3628.8	3934.1	3774.3	3614.6
4518.6	42.5°	4280.9	4043.3	3797.7	3552.1	3644.0	3735.9	4038.8	4341.7	4111.1	3880.5
5787.8	45°	5397.1	5006.6	4613.1	4219.7	4260.3	4300.8	4573.0	4845.1	4534.1	4223.0
7207.1	47.5°	6635.4	6063.6	5496.3	4928.7	4936.9	4945.1	5209.9	5474.6	5036.8	4599.0
8620.9	50°	7866.2	7111.5	6380.1	5648.6	5647.2	5645.8	5972.8	6299.8	5639.7	4979.7
9989.8	52.5°	9056.1	8122.3	7248.6	6375.0	6415.1	6455.1	6851.0	7246.9	6273.1	5299.2
11331.8	55°	10218.7	9105.5	8133.2	7160.8	7316.9	7472.9	7864.1	8255.3	6834.5	5413.8
12605.7	57.5°	11344.9	10084.1	9102.2	8120.4	8433.3	8746.4	8959.5	9172.5	7232.5	5292.4
14169.4	60°	12819.4	11469.5	10540.3	9611.2	9999.9	10388.6	10057.7	9726.8	7331.9	4936.9
15436.9	62.5°	14152.6	12868.3	12017.0	11165.8	11209.7	11253.5	10349.4	9445.3	6913.2	4381.0
15569.0	65°	14323.6	13078.2	11996.5	10914.8	10746.9	10579.0	9730.5	8882.0	6320.7	3759.5
14654.1	67.5°	13403.4	12152.6	11025.6	9898.6	9819.9	9741.2	8934.1	8127.1	5615.7	3104.2
13214.7	70°	12138.4	11062.0	10054.2	9046.3	9011.1	8975.9	8098.0	7220.2	4846.3	2472.5
11394.1	72.5°	10588.0	9781.9	8993.3	8204.8	8179.5	8154.2	7146.8	6139.5	4012.4	1885.3
9406.7	75°	8839.2	8271.7	7658.3	7044.8	6951.1	6857.5	5815.0	4772.4	3056.3	1340.2
7362.0	77.5°	6959.4	6557.0	6090.6	5624.2	5490.3	5356.3	4383.0	3409.8	2139.1	868.5
5329.2	80°	5117.9	4906.5	4554.4	4202.2	4035.7	3869.2	3050.5	2231.7	1378.2	524.7
3450.1	82.5°	3362.0	3273.8	3031.3	2788.9	2602.8	2416.8	1857.0	1297.3	797.7	298.2
1979.8	85°	1929.7	1879.7	1680.6	1481.4	1323.2	1164.9	867.9	570.8	358.8	146.9
760.6	87.5°	756.4	752.1	652.5	552.9	464.7	376.4	276.5	176.7	117.5	58.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2249.0	2.5°	2230.3	2211.4	2192.5	2174.4	2156.3	2138.8	2119.3	2103.6	2087.9	2073.6
2359.6	5°	2320.7	2281.5	2242.4	2205.8	2169.2	2134.7	2100.6	2070.9	2041.0	2016.0
2462.5	7.5°	2403.0	2345.1	2287.2	2236.1	2185.1	2138.0	2093.9	2054.3	2014.7	1981.9
2542.8	10°	2464.3	2393.9	2323.5	2263.2	2202.7	2144.6	2097.2	2055.4	2013.7	1980.8
2598.1	12.5°	2509.1	2426.1	2343.0	2274.8	2206.5	2145.4	2101.3	2067.1	2033.1	2011.2
2632.7	15°	2536.0	2440.4	2344.9	2265.8	2186.7	2119.1	2083.8	2067.4	2051.1	2054.1
2649.2	17.5°	2543.7	2432.8	2321.8	2226.8	2131.7	2052.1	2030.3	2036.3	2042.3	2078.1
2662.1	20°	2546.2	2411.8	2277.3	2159.4	2041.6	1949.0	1943.2	1971.2	1999.1	2061.3
2679.5	22.5°	2549.5	2385.9	2222.4	2080.5	1938.5	1833.1	1844.4	1885.7	1927.0	1998.0
2711.1	25°	2562.5	2360.5	2158.5	1992.3	1826.1	1718.0	1748.4	1796.1	1843.8	1907.6
2760.4	27.5°	2589.6	2343.5	2097.3	1911.7	1726.0	1627.6	1664.6	1710.6	1756.7	1809.2
2824.2	30°	2626.7	2335.5	2044.1	1844.3	1644.5	1561.9	1590.9	1627.4	1664.0	1707.6
2890.9	32.5°	2658.8	2325.6	1992.3	1786.2	1580.0	1513.4	1526.3	1547.9	1569.5	1604.3
2966.8	35°	2682.3	2307.0	1932.0	1729.1	1526.1	1470.7	1465.3	1471.2	1477.2	1503.8
3051.9	37.5°	2696.3	2275.2	1854.2	1661.8	1469.4	1420.9	1401.4	1394.8	1388.2	1407.3
3159.9	40°	2705.1	2231.4	1757.9	1581.6	1405.3	1361.4	1331.4	1316.5	1301.6	1315.3
3301.1	42.5°	2721.7	2186.2	1650.9	1493.1	1335.3	1294.8	1257.0	1237.3	1217.5	1228.7
3487.0	45°	2751.1	2144.2	1537.5	1399.1	1260.7	1219.6	1183.0	1163.8	1144.6	1154.0
3685.1	47.5°	2771.2	2109.6	1447.9	1324.7	1201.5	1148.5	1117.0	1100.9	1084.8	1093.7
3868.9	50°	2758.1	2071.8	1385.4	1275.3	1165.2	1095.5	1058.9	1044.6	1030.4	1044.2
3988.2	52.5°	2677.1	2007.9	1338.8	1242.8	1146.9	1066.7	1015.6	1001.5	987.4	1008.2
3961.9	55°	2509.9	1902.1	1294.2	1219.2	1144.2	1069.6	992.6	970.3	948.0	977.5
3776.8	57.5°	2261.3	1752.8	1244.3	1191.2	1138.2	1072.5	978.8	946.3	913.7	945.4
3432.4	60°	1927.9	1559.0	1190.2	1148.5	1106.8	1063.5	965.8	923.7	881.4	909.3
2966.7	62.5°	1552.3	1327.1	1101.9	1074.2	1046.6	1041.3	950.7	897.9	845.3	862.9
2491.5	65°	1223.5	1118.4	1013.3	1000.3	987.2	987.8	918.8	862.8	806.6	813.5
2026.0	67.5°	947.7	917.9	888.0	895.3	902.5	900.7	861.9	815.3	768.6	766.4
1595.2	70°	717.9	726.4	734.9	768.7	802.5	802.5	789.8	756.6	723.4	716.0
1219.5	72.5°	553.8	579.5	605.3	653.3	701.2	709.2	709.4	686.6	663.9	653.0
885.1	75°	430.0	453.3	476.7	530.4	584.2	621.3	618.2	600.7	583.1	572.7
599.8	77.5°	331.0	346.9	362.8	415.0	467.2	528.4	526.8	512.7	498.7	488.2
386.4	80°	248.2	254.8	261.3	305.6	349.7	422.8	422.6	410.8	399.0	390.2
237.7	82.5°	177.4	178.5	179.8	212.4	244.9	307.4	310.8	305.1	299.3	293.1
127.1	85°	107.2	106.7	106.0	129.8	153.7	200.1	204.6	198.5	192.3	185.3
52.7	87.5°	47.0	46.4	45.9	55.6	65.3	84.6	90.4	87.9	85.5	84.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2059.5	2.5°	2047.1	2034.7	2022.2	2009.8	2000.2	1990.5	1982.7	1974.9	1968.8	1962.7
1991.1	5°	1969.1	1947.1	1927.1	1907.1	1891.7	1876.2	1865.5	1854.7	1847.1	1839.4
1949.0	7.5°	1921.3	1893.5	1869.0	1844.6	1826.3	1808.0	1795.2	1782.4	1773.6	1764.9
1947.9	10°	1918.1	1888.2	1860.6	1833.1	1811.2	1789.3	1775.0	1760.5	1752.2	1743.9
1989.5	12.5°	1966.0	1942.6	1914.1	1885.7	1857.8	1829.8	1811.3	1792.8	1783.5	1774.3
2057.0	15°	2051.0	2044.9	2020.1	1995.4	1955.6	1915.9	1887.8	1859.6	1846.7	1833.9
2113.9	17.5°	2133.0	2152.0	2132.0	2112.1	2059.4	2006.8	1965.3	1923.9	1904.8	1885.7
2123.6	20°	2163.5	2203.3	2194.1	2184.8	2124.6	2064.4	2013.7	1962.9	1938.5	1914.0
2069.2	22.5°	2121.1	2172.9	2178.5	2184.0	2126.5	2069.0	2016.7	1964.3	1938.6	1912.8
1971.6	25°	2022.6	2073.6	2092.7	2111.7	2064.5	2017.4	1970.9	1924.6	1902.2	1879.9
1861.6	27.5°	1902.5	1943.5	1964.7	1986.0	1952.3	1918.8	1882.7	1846.7	1831.7	1816.7
1751.2	30°	1785.1	1819.1	1836.4	1853.6	1828.1	1802.4	1776.6	1750.7	1743.0	1735.3
1639.1	32.5°	1671.7	1704.3	1723.5	1742.7	1719.2	1695.6	1675.0	1654.3	1649.3	1644.3
1530.3	35°	1562.5	1594.8	1617.8	1640.8	1624.0	1607.3	1588.3	1569.3	1561.6	1554.1
1426.3	37.5°	1458.4	1490.6	1519.1	1547.5	1539.8	1532.1	1514.6	1497.0	1483.1	1469.3
1329.1	40°	1360.1	1391.2	1423.9	1456.7	1458.6	1460.4	1445.5	1430.6	1410.4	1390.4
1240.0	42.5°	1269.4	1298.9	1334.2	1369.6	1379.0	1388.5	1375.9	1363.4	1338.4	1313.3
1163.6	45°	1191.5	1219.4	1256.1	1292.7	1306.3	1319.9	1308.5	1297.3	1268.6	1240.0
1102.5	47.5°	1129.9	1157.1	1193.3	1229.5	1245.1	1260.7	1252.8	1244.9	1219.4	1194.0
1058.1	50°	1083.9	1109.6	1142.0	1174.4	1194.5	1214.5	1214.0	1213.7	1193.3	1172.9
1028.9	52.5°	1052.6	1076.2	1106.4	1136.6	1160.3	1184.1	1188.4	1192.6	1176.0	1159.4
1006.9	55°	1032.4	1057.9	1084.3	1110.7	1135.9	1161.1	1167.0	1172.9	1158.5	1144.0
977.2	57.5°	1007.1	1037.0	1063.1	1089.3	1114.7	1140.0	1146.0	1152.0	1137.4	1122.8
937.1	60°	971.4	1005.8	1032.3	1058.9	1084.4	1109.9	1116.5	1123.0	1108.7	1094.5
880.6	62.5°	920.6	960.7	989.1	1017.4	1040.8	1064.1	1070.4	1076.8	1063.9	1051.0
820.2	65°	863.1	906.1	933.2	960.3	980.9	1001.4	1007.9	1014.3	1001.9	989.5
764.3	67.5°	803.9	843.6	869.3	895.0	912.7	930.5	936.8	943.1	931.6	920.3
708.6	70°	743.4	778.3	800.5	822.7	838.7	854.7	860.8	866.9	857.6	848.3
642.3	72.5°	669.7	697.1	717.1	737.2	752.9	768.6	775.8	783.0	775.3	767.6
562.3	75°	582.7	603.1	621.2	639.4	653.7	668.0	675.5	683.1	679.3	675.5
477.6	77.5°	494.3	510.8	526.4	542.0	557.0	572.0	579.1	586.1	580.9	575.4
381.3	80°	395.1	408.9	422.0	435.2	446.6	457.9	467.3	476.7	474.4	472.1
286.8	82.5°	285.7	284.5	279.9	275.3	299.6	324.0	339.9	355.9	354.9	353.8
178.3	85°	172.4	166.4	153.7	140.9	163.7	186.6	206.3	226.0	224.4	222.7
82.8	87.5°	82.6	82.3	72.7	62.9	72.4	82.0	90.0	98.0	96.0	93.9
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°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
1957.1	2.5°	1951.4	1944.5	1951.4	1957.1	1962.7	1968.8	1974.9	1982.7	1990.5	2000.2
1833.6	5°	1827.8	1822.0	1827.8	1833.6	1839.4	1847.1	1854.7	1865.5	1876.2	1891.7
1759.6	7.5°	1754.4	1750.5	1754.4	1759.6	1764.9	1773.6	1782.4	1795.2	1808.0	1826.3
1739.5	10°	1735.1	1733.2	1735.1	1739.5	1743.9	1752.2	1760.5	1775.0	1789.3	1811.2
1770.6	12.5°	1766.8	1766.1	1766.8	1770.6	1774.3	1783.5	1792.8	1811.3	1829.8	1857.8
1829.0	15°	1824.1	1823.6	1824.1	1829.0	1833.9	1846.7	1859.6	1887.8	1915.9	1955.6
1879.4	17.5°	1873.1	1872.1	1873.1	1879.4	1885.7	1904.8	1923.9	1965.3	2006.8	2059.4
1906.2	20°	1898.4	1896.0	1898.4	1906.2	1914.0	1938.5	1962.9	2013.7	2064.4	2124.6
1904.2	22.5°	1895.6	1891.9	1895.6	1904.2	1912.8	1938.6	1964.3	2016.7	2069.0	2126.5
1871.8	25°	1863.8	1859.0	1863.8	1871.8	1879.9	1902.2	1924.6	1970.9	2017.4	2064.5
1813.0	27.5°	1809.3	1808.0	1809.3	1813.0	1816.7	1831.7	1846.7	1882.7	1918.8	1952.3
1735.3	30°	1735.3	1736.5	1735.3	1735.3	1735.3	1743.0	1750.7	1776.6	1802.4	1828.1
1645.0	32.5°	1645.7	1647.0	1645.7	1645.0	1644.3	1649.3	1654.3	1675.0	1695.6	1719.2
1552.4	35°	1550.8	1550.0	1550.8	1552.4	1554.1	1561.6	1569.3	1588.3	1607.3	1624.0
1462.0	37.5°	1454.6	1450.5	1454.6	1462.0	1469.3	1483.1	1497.0	1514.6	1532.1	1539.8
1376.7	40°	1363.3	1355.2	1363.3	1376.7	1390.4	1410.4	1430.6	1445.5	1460.4	1458.6
1293.5	42.5°	1273.7	1260.7	1273.7	1293.5	1313.3	1338.4	1363.4	1375.9	1388.5	1379.0
1216.7	45°	1193.5	1178.5	1193.5	1216.7	1240.0	1268.6	1297.3	1308.5	1319.9	1306.3
1172.4	47.5°	1151.0	1136.6	1151.0	1172.4	1194.0	1219.4	1244.9	1252.8	1260.7	1245.1
1153.0	50°	1133.1	1119.3	1133.1	1153.0	1172.9	1193.3	1213.7	1214.0	1214.5	1194.5
1141.6	52.5°	1123.9	1111.1	1123.9	1141.6	1159.4	1176.0	1192.6	1188.4	1184.1	1160.3
1128.4	55°	1112.8	1101.3	1112.8	1128.4	1144.0	1158.5	1172.9	1167.0	1161.1	1135.9
1107.3	57.5°	1091.8	1079.9	1091.8	1107.3	1122.8	1137.4	1152.0	1146.0	1140.0	1114.7
1078.6	60°	1062.6	1050.3	1062.6	1078.6	1094.5	1108.7	1123.0	1116.5	1109.9	1084.4
1034.2	62.5°	1017.4	1002.6	1017.4	1034.2	1051.0	1063.9	1076.8	1070.4	1064.1	1040.8
973.2	65°	957.0	944.3	957.0	973.2	989.5	1001.9	1014.3	1007.9	1001.4	980.9
905.2	67.5°	890.0	878.5	890.0	905.2	920.3	931.6	943.1	936.8	930.5	912.7
833.8	70°	819.4	806.2	819.4	833.8	848.3	857.6	866.9	860.8	854.7	838.7
753.8	72.5°	740.1	727.3	740.1	753.8	767.6	775.3	783.0	775.8	768.6	752.9
664.0	75°	652.4	640.2	652.4	664.0	675.5	679.3	683.1	675.5	668.0	653.7
563.8	77.5°	552.1	542.4	552.1	563.8	575.4	580.9	586.1	579.1	572.0	557.0
456.4	80°	440.7	422.4	440.7	456.4	472.1	474.4	476.7	467.3	457.9	446.6
340.6	82.5°	327.3	315.6	327.3	340.6	353.8	354.9	355.9	339.9	324.0	299.6
212.4	85°	202.0	191.5	202.0	212.4	222.7	224.4	226.0	206.3	186.6	163.7
88.6	87.5°	83.2	78.1	83.2	88.6	93.9	96.0	98.0	90.0	82.0	72.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2009.8	2.5°	2022.2	2034.7	2047.1	2059.5	2073.6	2087.9	2103.6	2119.3	2138.8	2156.3
1907.1	5°	1927.1	1947.1	1969.1	1991.1	2016.0	2041.0	2070.9	2100.6	2134.7	2169.2
1844.6	7.5°	1869.0	1893.5	1921.3	1949.0	1981.9	2014.7	2054.3	2093.9	2138.0	2185.1
1833.1	10°	1860.6	1888.2	1918.1	1947.9	1980.8	2013.7	2055.4	2097.2	2144.6	2202.7
1885.7	12.5°	1914.1	1942.6	1966.0	1989.5	2011.2	2033.1	2067.1	2101.3	2145.4	2206.5
1995.4	15°	2020.1	2044.9	2051.0	2057.0	2054.1	2051.1	2067.4	2083.8	2119.1	2186.7
2112.1	17.5°	2132.0	2152.0	2133.0	2113.9	2078.1	2042.3	2036.3	2030.3	2052.1	2131.7
2184.8	20°	2194.1	2203.3	2163.5	2123.6	2061.3	1999.1	1971.2	1943.2	1949.0	2041.6
2184.0	22.5°	2178.5	2172.9	2121.1	2069.2	1998.0	1927.0	1885.7	1844.4	1833.1	1938.5
2111.7	25°	2092.7	2073.6	2022.6	1971.6	1907.6	1843.8	1796.1	1748.4	1718.0	1826.1
1986.0	27.5°	1964.7	1943.5	1902.5	1861.6	1809.2	1756.7	1710.6	1664.6	1627.6	1726.0
1853.6	30°	1836.4	1819.1	1785.1	1751.2	1707.6	1664.0	1627.4	1590.9	1561.9	1644.5
1742.7	32.5°	1723.5	1704.3	1671.7	1639.1	1604.3	1569.5	1547.9	1526.3	1513.4	1580.0
1640.8	35°	1617.8	1594.8	1562.5	1530.3	1503.8	1477.2	1471.2	1465.3	1470.7	1526.1
1547.5	37.5°	1519.1	1490.6	1458.4	1426.3	1407.3	1388.2	1394.8	1401.4	1420.9	1469.4
1456.7	40°	1423.9	1391.2	1360.1	1329.1	1315.3	1301.6	1316.5	1331.4	1361.4	1405.3
1369.6	42.5°	1334.2	1298.9	1269.4	1240.0	1228.7	1217.5	1237.3	1257.0	1294.8	1335.3
1292.7	45°	1256.1	1219.4	1191.5	1163.6	1154.0	1144.6	1163.8	1183.0	1219.6	1260.7
1229.5	47.5°	1193.3	1157.1	1129.9	1102.5	1093.7	1084.8	1100.9	1117.0	1148.5	1201.5
1174.4	50°	1142.0	1109.6	1083.9	1058.1	1044.2	1030.4	1044.6	1058.9	1095.5	1165.2
1136.6	52.5°	1106.4	1076.2	1052.6	1028.9	1008.2	987.4	1001.5	1015.6	1066.7	1146.9
1110.7	55°	1084.3	1057.9	1032.4	1006.9	977.5	948.0	970.3	992.6	1069.6	1144.2
1089.3	57.5°	1063.1	1037.0	1007.1	977.2	945.4	913.7	946.3	978.8	1072.5	1138.2
1058.9	60°	1032.3	1005.8	971.4	937.1	909.3	881.4	923.7	965.8	1063.5	1106.8
1017.4	62.5°	989.1	960.7	920.6	880.6	862.9	845.3	897.9	950.7	1041.3	1046.6
960.3	65°	933.2	906.1	863.1	820.2	813.5	806.6	862.8	918.8	987.8	987.2
895.0	67.5°	869.3	843.6	803.9	764.3	766.4	768.6	815.3	861.9	900.7	902.5
822.7	70°	800.5	778.3	743.4	708.6	716.0	723.4	756.6	789.8	802.5	802.5
737.2	72.5°	717.1	697.1	669.7	642.3	653.0	663.9	686.6	709.4	709.2	701.2
639.4	75°	621.2	603.1	582.7	562.3	572.7	583.1	600.7	618.2	621.3	584.2
542.0	77.5°	526.4	510.8	494.3	477.6	488.2	498.7	512.7	526.8	528.4	467.2
435.2	80°	422.0	408.9	395.1	381.3	390.2	399.0	410.8	422.6	422.8	349.7
275.3	82.5°	279.9	284.5	285.7	286.8	293.1	299.3	305.1	310.8	307.4	244.9
140.9	85°	153.7	166.4	172.4	178.3	185.3	192.3	198.5	204.6	200.1	153.7
62.9	87.5°	72.7	82.3	82.6	82.8	84.2	85.5	87.9	90.4	84.6	65.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
2141.7	0°	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7	2141.7
2174.4	2.5°	2192.5	2211.4	2230.3	2249.0	2267.8	2285.5	2303.2
2205.8	5°	2242.4	2281.5	2320.7	2359.6	2398.5	2437.6	2476.6
2236.1	7.5°	2287.2	2345.1	2403.0	2462.5	2522.0	2586.4	2650.8
2263.2	10°	2323.5	2393.9	2464.3	2542.8	2621.5	2702.9	2784.4
2274.8	12.5°	2343.0	2426.1	2509.1	2598.1	2687.2	2776.6	2866.1
2265.8	15°	2344.9	2440.4	2536.0	2632.7	2729.3	2822.6	2915.9
2226.8	17.5°	2321.8	2432.8	2543.7	2649.2	2754.6	2849.2	2943.8
2159.4	20°	2277.3	2411.8	2546.2	2662.1	2778.0	2876.3	2974.6
2080.5	22.5°	2222.4	2385.9	2549.5	2679.5	2809.4	2909.9	3010.4
1992.3	25°	2158.5	2360.5	2562.5	2711.1	2859.6	2957.9	3056.4
1911.7	27.5°	2097.3	2343.5	2589.6	2760.4	2931.1	3025.0	3118.9
1844.3	30°	2044.1	2335.5	2626.7	2824.2	3021.7	3112.4	3203.1
1786.2	32.5°	1992.3	2325.6	2658.8	2890.9	3123.0	3212.7	3302.5
1729.1	35°	1932.0	2307.0	2682.3	2966.8	3251.3	3337.4	3423.3
1661.8	37.5°	1854.2	2275.2	2696.3	3051.9	3407.5	3517.1	3626.7
1581.6	40°	1757.9	2231.4	2705.1	3159.9	3614.6	3774.3	3934.1
1493.1	42.5°	1650.9	2186.2	2721.7	3301.1	3880.5	4111.1	4341.7
1399.1	45°	1537.5	2144.2	2751.1	3487.0	4223.0	4534.1	4845.1
1324.7	47.5°	1447.9	2109.6	2771.2	3685.1	4599.0	5036.8	5474.6
1275.3	50°	1385.4	2071.8	2758.1	3868.9	4979.7	5639.7	6299.8
1242.8	52.5°	1338.8	2007.9	2677.1	3988.2	5299.2	6273.1	7246.9
1219.2	55°	1294.2	1902.1	2509.9	3961.9	5413.8	6834.5	8255.3
1191.2	57.5°	1244.3	1752.8	2261.3	3776.8	5292.4	7232.5	9172.5
1148.5	60°	1190.2	1559.0	1927.9	3432.4	4936.9	7331.9	9726.8
1074.2	62.5°	1101.9	1327.1	1552.3	2966.7	4381.0	6913.2	9445.3
1000.3	65°	1013.3	1118.4	1223.5	2491.5	3759.5	6320.7	8882.0
895.3	67.5°	888.0	917.9	947.7	2026.0	3104.2	5615.7	8127.1
768.7	70°	734.9	726.4	717.9	1595.2	2472.5	4846.3	7220.2
653.3	72.5°	605.3	579.5	553.8	1219.5	1885.3	4012.4	6139.5
530.4	75°	476.7	453.3	430.0	885.1	1340.2	3056.3	4772.4
415.0	77.5°	362.8	346.9	331.0	599.8	868.5	2139.1	3409.8
305.6	80°	261.3	254.8	248.2	386.4	524.7	1378.2	2231.7
212.4	82.5°	179.8	178.5	177.4	237.7	298.2	797.7	1297.3
129.8	85°	106.0	106.7	107.2	127.1	146.9	358.8	570.8
55.6	87.5°	45.9	46.4	47.0	52.7	58.4	117.5	176.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)