

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: P949817

Luminaire Tested: **GALN-SB4B-950-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949817  
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-SB4B-950-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

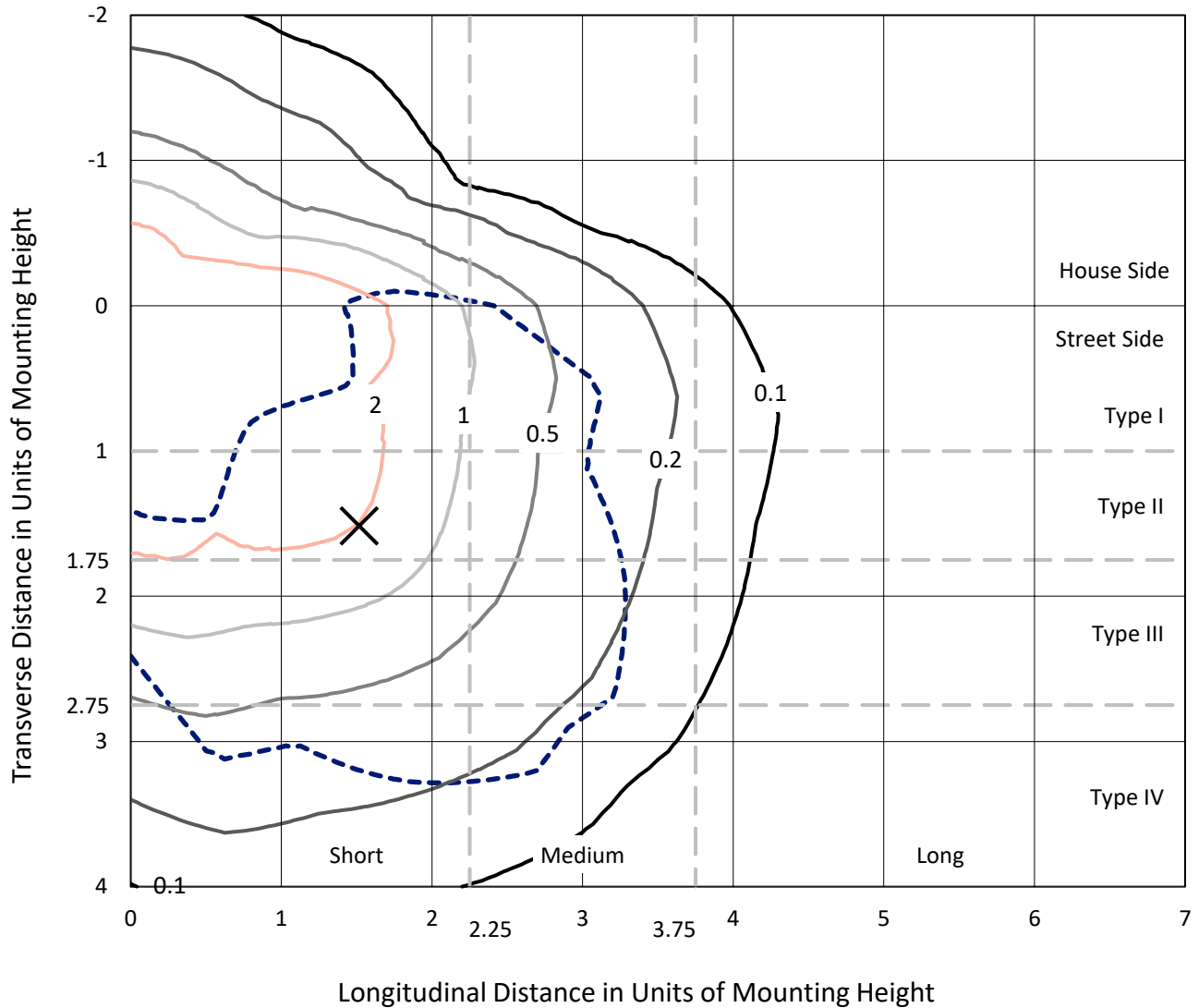
Lumens per Lamp: N/A  
Luminaire Lumens: 15643 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

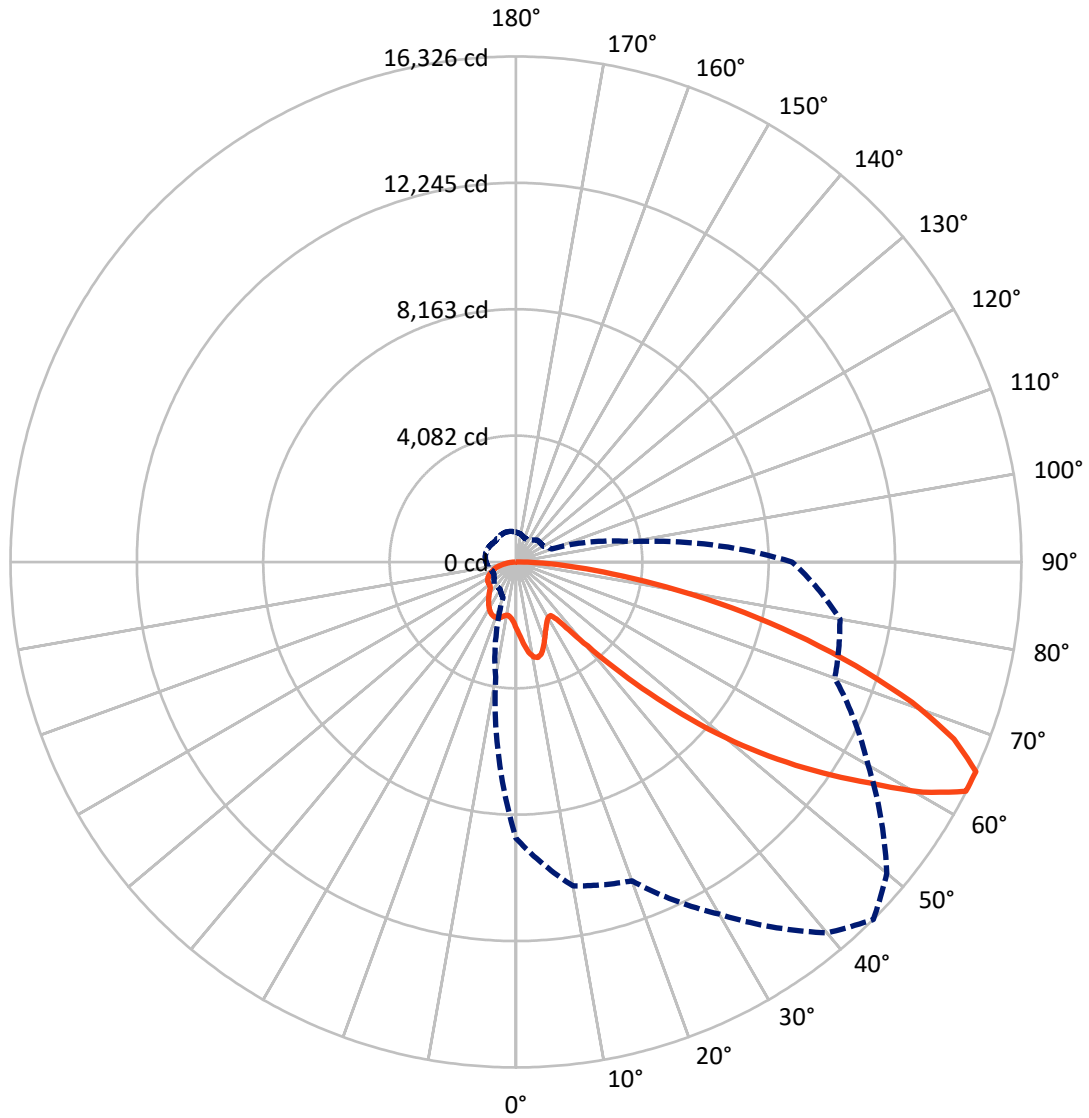
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	3975.7	0.0	3975.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	11667.3	0.0	11667.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	15643.0	0.0	15643.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.4	1.4
10°-20°	669.9	4.3
20°-30°	1034.7	6.6
30°-40°	1311.2	8.4
40°-50°	1977.6	12.6
50°-60°	3195.2	20.4
60°-70°	3983.3	25.5
70°-80°	2612.0	16.7
80°-90°	645.8	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°	15643.0	100.0
0°-180°	15643.0	100.0

**Coefficient of Utilization**



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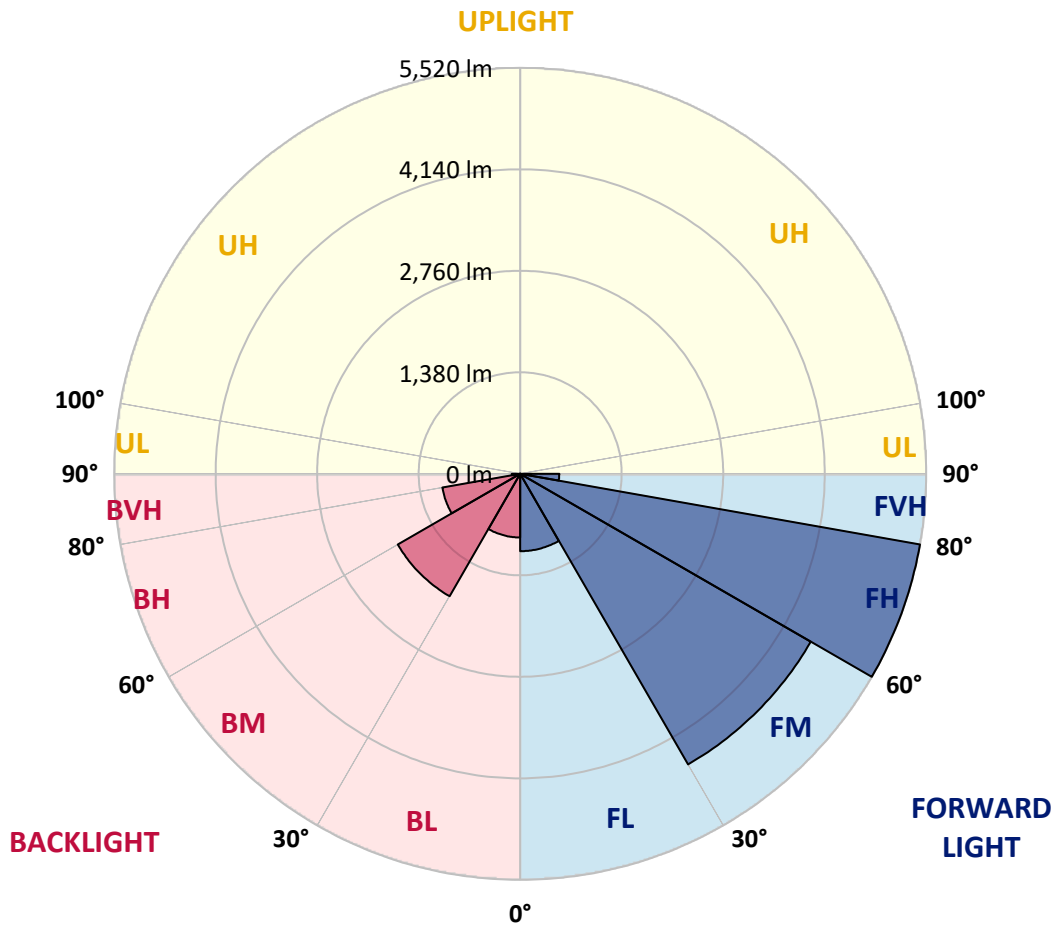
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1052.2	6.7			
FM (30°-60°)	4562.7	29.2			
FH (60°-80°)	5520.5	35.3			G3/7500
FVH (80°-90°)	532.0	3.4			G4/750
BL (0°-30°)	865.7	5.5	B2/1000		
BM (30°-60°)	1921.3	12.3	B2/2500		
BH (60°-80°)	1074.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	113.8	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°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2.5°	2313.2	2322.0	2330.8	2343.3	2355.8	2363.2	2370.6	2374.3	2378.0	2376.4
5°	2487.4	2518.0	2548.7	2579.1	2609.6	2626.1	2642.6	2652.6	2662.6	2670.2
7.5°	2662.4	2712.3	2762.0	2806.8	2851.7	2878.7	2905.6	2920.3	2934.8	2941.8
10°	2796.5	2855.5	2914.4	2967.0	3019.6	3051.4	3083.1	3097.3	3111.4	3116.8
12.5°	2878.7	2942.5	3006.3	3053.9	3101.3	3124.4	3147.5	3155.3	3163.0	3163.8
15°	2928.6	2983.7	3038.8	3068.6	3098.5	3099.3	3100.1	3091.9	3083.6	3073.9
17.5°	2956.7	2993.9	3031.1	3031.7	3032.2	2998.8	2965.3	2934.7	2904.0	2882.4
20°	2987.6	3000.6	3013.6	2974.4	2935.2	2861.4	2787.6	2733.9	2680.1	2647.1
22.5°	3023.5	3006.5	2989.5	2908.3	2827.1	2718.5	2610.0	2542.8	2475.6	2439.1
25°	3069.7	3016.1	2962.4	2839.1	2715.8	2584.0	2452.2	2381.5	2311.0	2276.5
27.5°	3132.5	3036.6	2940.6	2777.2	2613.9	2467.8	2321.7	2252.2	2182.8	2150.2
30°	3217.1	3074.0	2931.1	2730.0	2528.9	2376.7	2224.5	2160.0	2095.6	2065.2
32.5°	3317.0	3121.1	2925.3	2697.8	2470.3	2327.3	2184.2	2133.6	2082.9	2061.1
35°	3438.3	3198.6	2959.0	2721.9	2484.9	2385.5	2286.3	2274.4	2262.6	2260.8
37.5°	3642.6	3360.6	3078.7	2863.2	2647.8	2641.3	2634.9	2688.9	2742.9	2770.9
40°	3951.3	3644.6	3338.0	3177.8	3017.6	3130.7	3243.7	3375.0	3506.2	3571.6
42.5°	4360.7	4056.4	3752.2	3659.9	3567.6	3814.3	4060.9	4299.6	4538.3	4678.5
45°	4866.3	4593.0	4319.6	4278.9	4238.1	4633.3	5028.5	5420.7	5813.0	6051.2
47.5°	5498.5	5232.7	4966.7	4958.5	4950.2	5520.3	6090.1	6664.4	7238.5	7575.7
50°	6327.3	5998.8	5670.5	5671.9	5673.3	6407.9	7142.5	7900.5	8658.5	9116.8
52.5°	7278.6	6880.9	6483.3	6443.1	6402.8	7280.3	8157.8	9095.6	10033.4	10582.7
55°	8291.4	7898.5	7505.6	7348.8	7192.1	8168.7	9145.3	10263.3	11381.3	12034.6
57.5°	9212.5	8998.6	8784.5	8470.1	8155.8	9142.0	10128.1	11394.4	12660.7	13470.9
60°	9769.3	10101.6	10434.0	10043.6	9653.1	10586.4	11519.6	12875.4	14231.2	15106.9
62.5°	9486.6	10394.6	11302.7	11258.7	11214.6	12069.5	12924.4	14214.4	15504.3	16313.6
65°	8920.7	9773.0	10625.2	10793.9	10962.4	12048.8	13135.3	14386.2	15636.9	16326.0
67.5°	8162.6	8973.2	9783.7	9862.8	9941.8	11073.8	12205.7	13461.9	14718.1	15257.9
70°	7251.7	8133.4	9015.1	9050.4	9085.8	10098.1	11110.3	12191.4	13272.4	13572.4
72.5°	6166.3	7178.0	8189.8	8215.3	8240.6	9032.6	9824.6	10634.2	11443.8	11474.2
75°	4793.2	5840.3	6887.5	6981.5	7075.5	7691.7	8307.9	8877.8	9447.8	9295.1
77.5°	3424.7	4402.1	5379.7	5514.2	5648.8	6117.2	6585.6	6989.8	7394.1	7131.6
80°	2241.4	3063.8	3886.1	4053.3	4220.5	4574.3	4927.9	5140.2	5352.4	4930.2
82.5°	1302.9	1865.1	2427.4	2614.2	2801.1	3044.6	3288.1	3376.6	3465.1	3133.3
85°	573.3	871.6	1170.0	1328.9	1487.8	1687.9	1887.9	1938.2	1988.4	1722.7
87.5°	177.5	277.8	378.0	466.7	555.3	655.4	755.4	759.7	763.9	641.4
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°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2378.0	2.5°	2374.3	2370.6	2363.2	2355.8	2343.3	2330.8	2322.0	2313.2	2295.5	2277.7
2662.6	5°	2652.6	2642.6	2626.1	2609.6	2579.1	2548.7	2518.0	2487.4	2448.2	2409.0
2934.8	7.5°	2920.3	2905.6	2878.7	2851.7	2806.8	2762.0	2712.3	2662.4	2597.7	2533.1
3111.4	10°	3097.3	3083.1	3051.4	3019.6	2967.0	2914.4	2855.5	2796.5	2714.7	2632.9
3163.0	12.5°	3155.3	3147.5	3124.4	3101.3	3053.9	3006.3	2942.5	2878.7	2788.8	2699.0
3083.6	15°	3091.9	3100.1	3099.3	3098.5	3068.6	3038.8	2983.7	2928.6	2834.9	2741.2
2904.0	17.5°	2934.7	2965.3	2998.8	3032.2	3031.7	3031.1	2993.9	2956.7	2861.7	2766.6
2680.1	20°	2733.9	2787.6	2861.4	2935.2	2974.4	3013.6	3000.6	2987.6	2888.9	2790.1
2475.6	22.5°	2542.8	2610.0	2718.5	2827.1	2908.3	2989.5	3006.5	3023.5	2922.7	2821.7
2311.0	25°	2381.5	2452.2	2584.0	2715.8	2839.1	2962.4	3016.1	3069.7	2970.9	2872.1
2182.8	27.5°	2252.2	2321.7	2467.8	2613.9	2777.2	2940.6	3036.6	3132.5	3038.2	2943.9
2095.6	30°	2160.0	2224.5	2376.7	2528.9	2730.0	2931.1	3074.0	3217.1	3126.0	3034.9
2082.9	32.5°	2133.6	2184.2	2327.3	2470.3	2697.8	2925.3	3121.1	3317.0	3226.7	3136.6
2262.6	35°	2274.4	2286.3	2385.5	2484.9	2721.9	2959.0	3198.6	3438.3	3352.0	3265.5
2742.9	37.5°	2688.9	2634.9	2641.3	2647.8	2863.2	3078.7	3360.6	3642.6	3532.5	3422.4
3506.2	40°	3375.0	3243.7	3130.7	3017.6	3177.8	3338.0	3644.6	3951.3	3790.8	3630.4
4538.3	42.5°	4299.6	4060.9	3814.3	3567.6	3659.9	3752.2	4056.4	4360.7	4129.1	3897.5
5813.0	45°	5420.7	5028.5	4633.3	4238.1	4278.9	4319.6	4593.0	4866.3	4553.8	4241.4
7238.5	47.5°	6664.4	6090.1	5520.3	4950.2	4958.5	4966.7	5232.7	5498.5	5058.8	4619.1
8658.5	50°	7900.5	7142.5	6407.9	5673.3	5671.9	5670.5	5998.8	6327.3	5664.4	5001.4
10033.4	52.5°	9095.6	8157.8	7280.3	6402.8	6443.1	6483.3	6880.9	7278.6	6300.4	5322.3
11381.3	55°	10263.3	9145.3	8168.7	7192.1	7348.8	7505.6	7898.5	8291.4	6864.4	5437.5
12660.7	57.5°	11394.4	10128.1	9142.0	8155.8	8470.1	8784.5	8998.6	9212.5	7264.0	5315.5
14231.2	60°	12875.4	11519.6	10586.4	9653.1	10043.6	10434.0	10101.6	9769.3	7363.9	4958.5
15504.3	62.5°	14214.4	12924.4	12069.5	11214.6	11258.7	11302.7	10394.6	9486.6	6943.4	4400.2
15636.9	65°	14386.2	13135.3	12048.8	10962.4	10793.9	10625.2	9773.0	8920.7	6348.3	3775.9
14718.1	67.5°	13461.9	12205.7	11073.8	9941.8	9862.8	9783.7	8973.2	8162.6	5640.2	3117.8
13272.4	70°	12191.4	11110.3	10098.1	9085.8	9050.4	9015.1	8133.4	7251.7	4867.5	2483.3
11443.8	72.5°	10634.2	9824.6	9032.6	8240.6	8215.3	8189.8	7178.0	6166.3	4029.9	1893.5
9447.8	75°	8877.8	8307.9	7691.7	7075.5	6981.5	6887.5	5840.3	4793.2	3069.7	1346.1
7394.1	77.5°	6989.8	6585.6	6117.2	5648.8	5514.2	5379.7	4402.1	3424.7	2148.5	872.3
5352.4	80°	5140.2	4927.9	4574.3	4220.5	4053.3	3886.1	3063.8	2241.4	1384.2	527.0
3465.1	82.5°	3376.6	3288.1	3044.6	2801.1	2614.2	2427.4	1865.1	1302.9	801.2	299.5
1988.4	85°	1938.2	1887.9	1687.9	1487.8	1328.9	1170.0	871.6	573.3	360.4	147.6
763.9	87.5°	759.7	755.4	655.4	555.3	466.7	378.0	277.8	177.5	118.0	58.6
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2258.8	2.5°	2240.0	2221.0	2202.1	2183.9	2165.7	2148.2	2128.6	2112.7	2097.0	2082.7
2369.9	5°	2330.8	2291.5	2252.2	2215.4	2178.7	2144.0	2109.8	2079.9	2049.9	2024.8
2473.3	7.5°	2413.5	2355.3	2297.1	2245.9	2194.6	2147.3	2103.0	2063.2	2023.5	1990.5
2553.9	10°	2475.0	2404.4	2333.6	2273.0	2212.3	2153.9	2106.3	2064.4	2022.4	1989.4
2609.5	12.5°	2520.0	2436.6	2353.3	2284.7	2216.1	2154.8	2110.4	2076.1	2041.9	2020.0
2644.2	15°	2547.1	2451.1	2355.1	2275.7	2196.3	2128.3	2092.9	2076.4	2060.1	2063.1
2660.7	17.5°	2554.8	2443.4	2332.0	2236.5	2141.0	2061.1	2039.2	2045.2	2051.2	2087.2
2673.7	20°	2557.3	2422.3	2287.2	2168.9	2050.5	1957.5	1951.7	1979.8	2007.8	2070.3
2691.2	22.5°	2560.6	2396.4	2232.1	2089.6	1947.0	1841.1	1852.4	1893.9	1935.4	2006.8
2722.9	25°	2573.7	2370.8	2168.0	2001.0	1834.1	1725.5	1756.1	1804.0	1851.8	1916.0
2772.4	27.5°	2600.9	2353.7	2106.5	1920.0	1733.5	1634.7	1671.9	1718.1	1764.3	1817.1
2836.6	30°	2638.2	2345.7	2053.0	1852.3	1651.7	1568.7	1597.9	1634.5	1671.3	1715.1
2903.5	32.5°	2670.4	2335.8	2001.0	1794.0	1586.9	1520.0	1533.0	1554.7	1576.4	1611.3
2979.8	35°	2694.0	2317.1	1940.4	1736.6	1532.8	1477.1	1471.7	1477.7	1483.7	1510.4
3065.2	37.5°	2708.0	2285.2	1862.3	1669.1	1475.9	1427.2	1407.5	1400.9	1394.3	1413.5
3173.7	40°	2716.9	2241.2	1765.6	1588.5	1411.5	1367.3	1337.2	1322.2	1307.3	1321.1
3315.6	42.5°	2733.6	2195.8	1658.1	1499.6	1341.1	1300.5	1262.5	1242.7	1222.9	1234.1
3502.3	45°	2763.1	2153.6	1544.2	1405.2	1266.2	1224.9	1188.2	1168.9	1149.6	1159.1
3701.2	47.5°	2783.3	2118.8	1454.2	1330.5	1206.8	1153.5	1121.9	1105.7	1089.6	1098.5
3885.8	50°	2770.1	2080.8	1391.5	1280.9	1170.3	1100.3	1063.6	1049.2	1034.9	1048.8
4005.6	52.5°	2688.8	2016.7	1344.6	1248.2	1151.9	1071.4	1020.1	1005.9	991.7	1012.6
3979.2	55°	2520.8	1910.4	1299.9	1224.5	1149.2	1074.3	996.9	974.5	952.1	981.8
3793.3	57.5°	2271.1	1760.5	1249.7	1196.4	1143.2	1077.2	983.1	950.4	917.7	949.6
3447.4	60°	1936.3	1565.8	1195.4	1153.5	1111.7	1068.1	970.0	927.7	885.3	913.2
2979.6	62.5°	1559.1	1332.9	1106.7	1078.9	1051.2	1045.8	954.8	901.9	848.9	866.7
2502.3	65°	1228.9	1123.3	1017.7	1004.6	991.5	992.2	922.8	866.5	810.2	817.0
2034.8	67.5°	951.9	921.9	891.9	899.2	906.5	904.7	865.7	818.8	771.9	769.8
1602.1	70°	721.0	729.6	738.1	772.1	806.0	806.0	793.2	759.9	726.5	719.1
1224.8	72.5°	556.2	582.0	607.9	656.1	704.2	712.3	712.5	689.6	666.8	655.9
889.0	75°	431.9	455.3	478.7	532.7	586.7	624.0	620.9	603.3	585.6	575.2
602.4	77.5°	332.5	348.4	364.4	416.8	469.3	530.7	529.1	515.0	500.9	490.3
388.1	80°	249.3	255.9	262.5	306.9	351.2	424.7	424.4	412.6	400.7	391.9
238.7	82.5°	178.1	179.3	180.6	213.3	246.0	308.7	312.2	306.4	300.6	294.3
127.6	85°	107.7	107.1	106.5	130.4	154.4	201.0	205.5	199.3	193.1	186.1
52.9	87.5°	47.2	46.6	46.1	55.8	65.6	85.0	90.8	88.3	85.8	84.5
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2068.5	2.5°	2056.0	2043.6	2031.0	2018.6	2008.9	1999.2	1991.3	1983.5	1977.4	1971.3
1999.8	5°	1977.7	1955.6	1935.5	1915.4	1900.0	1884.4	1873.6	1862.8	1855.1	1847.5
1957.5	7.5°	1929.7	1901.8	1877.2	1852.7	1834.3	1815.9	1803.0	1790.2	1781.3	1772.6
1956.4	10°	1926.5	1896.4	1868.8	1841.1	1819.1	1797.1	1782.7	1768.2	1759.9	1751.5
1998.2	12.5°	1974.6	1951.1	1922.5	1893.9	1865.9	1837.8	1819.2	1800.7	1791.3	1782.1
2066.0	15°	2059.9	2053.8	2029.0	2004.1	1964.2	1924.2	1896.0	1867.8	1854.8	1841.9
2123.1	17.5°	2142.3	2161.4	2141.3	2121.3	2068.4	2015.5	1973.9	1932.3	1913.2	1893.9
2132.9	20°	2172.9	2213.0	2203.7	2194.4	2133.9	2073.5	2022.4	1971.5	1947.0	1922.4
2078.2	22.5°	2130.3	2182.4	2188.0	2193.6	2135.8	2078.0	2025.5	1972.9	1947.1	1921.2
1980.2	25°	2031.4	2082.7	2101.9	2120.9	2073.5	2026.2	1979.5	1933.0	1910.5	1888.2
1869.7	27.5°	1910.8	1952.0	1973.3	1994.6	1960.9	1927.2	1891.0	1854.7	1839.7	1824.6
1758.8	30°	1792.9	1827.1	1844.4	1861.7	1836.1	1810.3	1784.4	1758.3	1750.6	1742.9
1646.3	32.5°	1679.0	1711.8	1731.0	1750.3	1726.7	1703.0	1682.3	1661.6	1656.5	1651.5
1536.9	35°	1569.3	1601.7	1624.8	1648.0	1631.1	1614.4	1595.2	1576.1	1568.5	1560.9
1432.5	37.5°	1464.8	1497.1	1525.7	1554.3	1546.5	1538.7	1521.2	1503.5	1489.6	1475.7
1334.9	40°	1366.1	1397.3	1430.1	1463.1	1465.0	1466.8	1451.8	1436.9	1416.6	1396.4
1245.4	42.5°	1274.9	1304.6	1340.1	1375.6	1385.1	1394.5	1381.9	1369.4	1344.2	1319.0
1168.6	45°	1196.7	1224.8	1261.6	1298.4	1312.0	1325.6	1314.2	1302.9	1274.1	1245.4
1107.3	47.5°	1134.8	1162.2	1198.5	1234.8	1250.5	1266.2	1258.3	1250.3	1224.8	1199.2
1062.7	50°	1088.6	1114.5	1147.0	1179.5	1199.7	1219.8	1219.3	1219.0	1198.5	1178.0
1033.4	52.5°	1057.2	1080.9	1111.2	1141.6	1165.4	1189.3	1193.6	1197.9	1181.2	1164.5
1011.3	55°	1036.9	1062.5	1089.1	1115.6	1140.8	1166.2	1172.1	1178.0	1163.5	1149.0
981.4	57.5°	1011.5	1041.5	1067.8	1094.1	1119.6	1145.0	1151.0	1157.1	1142.4	1127.7
941.1	60°	975.6	1010.2	1036.8	1063.6	1089.1	1114.7	1121.3	1127.9	1113.6	1099.3
884.4	62.5°	924.6	964.9	993.4	1021.9	1045.3	1068.8	1075.1	1081.5	1068.5	1055.5
823.8	65°	866.9	910.0	937.3	964.5	985.1	1005.8	1012.3	1018.7	1006.3	993.8
767.6	67.5°	807.4	847.3	873.1	898.9	916.7	934.5	940.9	947.2	935.7	924.3
711.7	70°	746.7	781.7	804.0	826.2	842.3	858.4	864.5	870.7	861.3	852.0
645.1	72.5°	672.6	700.1	720.3	740.4	756.2	771.9	779.2	786.5	778.7	770.9
564.8	75°	585.2	605.7	623.9	642.2	656.5	670.9	678.5	686.1	682.3	678.5
479.7	77.5°	496.4	513.0	528.7	544.4	559.5	574.5	581.6	588.7	583.4	578.0
383.0	80°	396.9	410.6	423.9	437.1	448.5	459.9	469.3	478.7	476.4	474.2
288.1	82.5°	286.9	285.8	281.1	276.5	300.9	325.4	341.4	357.4	356.4	355.3
179.1	85°	173.2	167.1	154.4	141.6	164.4	187.4	207.2	227.0	225.3	223.7
83.2	87.5°	83.0	82.7	73.0	63.1	72.7	82.4	90.4	98.4	96.4	94.3
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
1965.7	2.5°	1960.0	1952.9	1960.0	1965.7	1971.3	1977.4	1983.5	1991.3	1999.2	2008.9
1841.6	5°	1835.7	1830.0	1835.7	1841.6	1847.5	1855.1	1862.8	1873.6	1884.4	1900.0
1767.3	7.5°	1762.1	1758.1	1762.1	1767.3	1772.6	1781.3	1790.2	1803.0	1815.9	1834.3
1747.1	10°	1742.6	1740.8	1742.6	1747.1	1751.5	1759.9	1768.2	1782.7	1797.1	1819.1
1778.3	12.5°	1774.5	1773.8	1774.5	1778.3	1782.1	1791.3	1800.7	1819.2	1837.8	1865.9
1837.0	15°	1832.0	1831.6	1832.0	1837.0	1841.9	1854.8	1867.8	1896.0	1924.2	1964.2
1887.7	17.5°	1881.3	1880.3	1881.3	1887.7	1893.9	1913.2	1932.3	1973.9	2015.5	2068.4
1914.6	20°	1906.7	1904.2	1906.7	1914.6	1922.4	1947.0	1971.5	2022.4	2073.5	2133.9
1912.5	22.5°	1903.8	1900.1	1903.8	1912.5	1921.2	1947.1	1972.9	2025.5	2078.0	2135.8
1880.0	25°	1871.9	1867.1	1871.9	1880.0	1888.2	1910.5	1933.0	1979.5	2026.2	2073.5
1820.9	27.5°	1817.2	1815.9	1817.2	1820.9	1824.6	1839.7	1854.7	1891.0	1927.2	1960.9
1742.9	30°	1742.9	1744.1	1742.9	1742.9	1742.9	1750.6	1758.3	1784.4	1810.3	1836.1
1652.2	32.5°	1652.9	1654.1	1652.9	1652.2	1651.5	1656.5	1661.6	1682.3	1703.0	1726.7
1559.2	35°	1557.6	1556.7	1557.6	1559.2	1560.9	1568.5	1576.1	1595.2	1614.4	1631.1
1468.3	37.5°	1461.0	1456.9	1461.0	1468.3	1475.7	1489.6	1503.5	1521.2	1538.7	1546.5
1382.7	40°	1369.2	1361.1	1369.2	1382.7	1396.4	1416.6	1436.9	1451.8	1466.8	1465.0
1299.1	42.5°	1279.2	1266.2	1279.2	1299.1	1319.0	1344.2	1369.4	1381.9	1394.5	1385.1
1222.0	45°	1198.7	1183.7	1198.7	1222.0	1245.4	1274.1	1302.9	1314.2	1325.6	1312.0
1177.5	47.5°	1156.0	1141.6	1156.0	1177.5	1199.2	1224.8	1250.3	1258.3	1266.2	1250.5
1158.1	50°	1138.1	1124.2	1138.1	1158.1	1178.0	1198.5	1219.0	1219.3	1219.8	1199.7
1146.6	52.5°	1128.8	1116.0	1128.8	1146.6	1164.5	1181.2	1197.9	1193.6	1189.3	1165.4
1133.3	55°	1117.6	1106.1	1117.6	1133.3	1149.0	1163.5	1178.0	1172.1	1166.2	1140.8
1112.2	57.5°	1096.6	1084.6	1096.6	1112.2	1127.7	1142.4	1157.1	1151.0	1145.0	1119.6
1083.3	60°	1067.3	1054.9	1067.3	1083.3	1099.3	1113.6	1127.9	1121.3	1114.7	1089.1
1038.7	62.5°	1021.9	1007.0	1021.9	1038.7	1055.5	1068.5	1081.5	1075.1	1068.8	1045.3
977.5	65°	961.2	948.4	961.2	977.5	993.8	1006.3	1018.7	1012.3	1005.8	985.1
909.1	67.5°	893.9	882.4	893.9	909.1	924.3	935.7	947.2	940.9	934.5	916.7
837.5	70°	822.9	809.7	822.9	837.5	852.0	861.3	870.7	864.5	858.4	842.3
757.1	72.5°	743.3	730.5	743.3	757.1	770.9	778.7	786.5	779.2	771.9	756.2
666.9	75°	655.2	643.0	655.2	666.9	678.5	682.3	686.1	678.5	670.9	656.5
566.2	77.5°	554.5	544.8	554.5	566.2	578.0	583.4	588.7	581.6	574.5	559.5
458.4	80°	442.6	424.3	442.6	458.4	474.2	476.4	478.7	469.3	459.9	448.5
342.1	82.5°	328.7	317.0	328.7	342.1	355.3	356.4	357.4	341.4	325.4	300.9
213.3	85°	202.9	192.3	202.9	213.3	223.7	225.3	227.0	207.2	187.4	164.4
89.0	87.5°	83.5	78.4	83.5	89.0	94.3	96.4	98.4	90.4	82.4	72.7
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2018.6	2.5°	2031.0	2043.6	2056.0	2068.5	2082.7	2097.0	2112.7	2128.6	2148.2	2165.7
1915.4	5°	1935.5	1955.6	1977.7	1999.8	2024.8	2049.9	2079.9	2109.8	2144.0	2178.7
1852.7	7.5°	1877.2	1901.8	1929.7	1957.5	1990.5	2023.5	2063.2	2103.0	2147.3	2194.6
1841.1	10°	1868.8	1896.4	1926.5	1956.4	1989.4	2022.4	2064.4	2106.3	2153.9	2212.3
1893.9	12.5°	1922.5	1951.1	1974.6	1998.2	2020.0	2041.9	2076.1	2110.4	2154.8	2216.1
2004.1	15°	2029.0	2053.8	2059.9	2066.0	2063.1	2060.1	2076.4	2092.9	2128.3	2196.3
2121.3	17.5°	2141.3	2161.4	2142.3	2123.1	2087.2	2051.2	2045.2	2039.2	2061.1	2141.0
2194.4	20°	2203.7	2213.0	2172.9	2132.9	2070.3	2007.8	1979.8	1951.7	1957.5	2050.5
2193.6	22.5°	2188.0	2182.4	2130.3	2078.2	2006.8	1935.4	1893.9	1852.4	1841.1	1947.0
2120.9	25°	2101.9	2082.7	2031.4	1980.2	1916.0	1851.8	1804.0	1756.1	1725.5	1834.1
1994.6	27.5°	1973.3	1952.0	1910.8	1869.7	1817.1	1764.3	1718.1	1671.9	1634.7	1733.5
1861.7	30°	1844.4	1827.1	1792.9	1758.8	1715.1	1671.3	1634.5	1597.9	1568.7	1651.7
1750.3	32.5°	1731.0	1711.8	1679.0	1646.3	1611.3	1576.4	1554.7	1533.0	1520.0	1586.9
1648.0	35°	1624.8	1601.7	1569.3	1536.9	1510.4	1483.7	1477.7	1471.7	1477.1	1532.8
1554.3	37.5°	1525.7	1497.1	1464.8	1432.5	1413.5	1394.3	1400.9	1407.5	1427.2	1475.9
1463.1	40°	1430.1	1397.3	1366.1	1334.9	1321.1	1307.3	1322.2	1337.2	1367.3	1411.5
1375.6	42.5°	1340.1	1304.6	1274.9	1245.4	1234.1	1222.9	1242.7	1262.5	1300.5	1341.1
1298.4	45°	1261.6	1224.8	1196.7	1168.6	1159.1	1149.6	1168.9	1188.2	1224.9	1266.2
1234.8	47.5°	1198.5	1162.2	1134.8	1107.3	1098.5	1089.6	1105.7	1121.9	1153.5	1206.8
1179.5	50°	1147.0	1114.5	1088.6	1062.7	1048.8	1034.9	1049.2	1063.6	1100.3	1170.3
1141.6	52.5°	1111.2	1080.9	1057.2	1033.4	1012.6	991.7	1005.9	1020.1	1071.4	1151.9
1115.6	55°	1089.1	1062.5	1036.9	1011.3	981.8	952.1	974.5	996.9	1074.3	1149.2
1094.1	57.5°	1067.8	1041.5	1011.5	981.4	949.6	917.7	950.4	983.1	1077.2	1143.2
1063.6	60°	1036.8	1010.2	975.6	941.1	913.2	885.3	927.7	970.0	1068.1	1111.7
1021.9	62.5°	993.4	964.9	924.6	884.4	866.7	848.9	901.9	954.8	1045.8	1051.2
964.5	65°	937.3	910.0	866.9	823.8	817.0	810.2	866.5	922.8	992.2	991.5
898.9	67.5°	873.1	847.3	807.4	767.6	769.8	771.9	818.8	865.7	904.7	906.5
826.2	70°	804.0	781.7	746.7	711.7	719.1	726.5	759.9	793.2	806.0	806.0
740.4	72.5°	720.3	700.1	672.6	645.1	655.9	666.8	689.6	712.5	712.3	704.2
642.2	75°	623.9	605.7	585.2	564.8	575.2	585.6	603.3	620.9	624.0	586.7
544.4	77.5°	528.7	513.0	496.4	479.7	490.3	500.9	515.0	529.1	530.7	469.3
437.1	80°	423.9	410.6	396.9	383.0	391.9	400.7	412.6	424.4	424.7	351.2
276.5	82.5°	281.1	285.8	286.9	288.1	294.3	300.6	306.4	312.2	308.7	246.0
141.6	85°	154.4	167.1	173.2	179.1	186.1	193.1	199.3	205.5	201.0	154.4
63.1	87.5°	73.0	82.7	83.0	83.2	84.5	85.8	88.3	90.8	85.0	65.6
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°
2151.0	0°	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0	2151.0
2183.9	2.5°	2202.1	2221.0	2240.0	2258.8	2277.7	2295.5	2313.2
2215.4	5°	2252.2	2291.5	2330.8	2369.9	2409.0	2448.2	2487.4
2245.9	7.5°	2297.1	2355.3	2413.5	2473.3	2533.1	2597.7	2662.4
2273.0	10°	2333.6	2404.4	2475.0	2553.9	2632.9	2714.7	2796.5
2284.7	12.5°	2353.3	2436.6	2520.0	2609.5	2699.0	2788.8	2878.7
2275.7	15°	2355.1	2451.1	2547.1	2644.2	2741.2	2834.9	2928.6
2236.5	17.5°	2332.0	2443.4	2554.8	2660.7	2766.6	2861.7	2956.7
2168.9	20°	2287.2	2422.3	2557.3	2673.7	2790.1	2888.9	2987.6
2089.6	22.5°	2232.1	2396.4	2560.6	2691.2	2821.7	2922.7	3023.5
2001.0	25°	2168.0	2370.8	2573.7	2722.9	2872.1	2970.9	3069.7
1920.0	27.5°	2106.5	2353.7	2600.9	2772.4	2943.9	3038.2	3132.5
1852.3	30°	2053.0	2345.7	2638.2	2836.6	3034.9	3126.0	3217.1
1794.0	32.5°	2001.0	2335.8	2670.4	2903.5	3136.6	3226.7	3317.0
1736.6	35°	1940.4	2317.1	2694.0	2979.8	3265.5	3352.0	3438.3
1669.1	37.5°	1862.3	2285.2	2708.0	3065.2	3422.4	3532.5	3642.6
1588.5	40°	1765.6	2241.2	2716.9	3173.7	3630.4	3790.8	3951.3
1499.6	42.5°	1658.1	2195.8	2733.6	3315.6	3897.5	4129.1	4360.7
1405.2	45°	1544.2	2153.6	2763.1	3502.3	4241.4	4553.8	4866.3
1330.5	47.5°	1454.2	2118.8	2783.3	3701.2	4619.1	5058.8	5498.5
1280.9	50°	1391.5	2080.8	2770.1	3885.8	5001.4	5664.4	6327.3
1248.2	52.5°	1344.6	2016.7	2688.8	4005.6	5322.3	6300.4	7278.6
1224.5	55°	1299.9	1910.4	2520.8	3979.2	5437.5	6864.4	8291.4
1196.4	57.5°	1249.7	1760.5	2271.1	3793.3	5315.5	7264.0	9212.5
1153.5	60°	1195.4	1565.8	1936.3	3447.4	4958.5	7363.9	9769.3
1078.9	62.5°	1106.7	1332.9	1559.1	2979.6	4400.2	6943.4	9486.6
1004.6	65°	1017.7	1123.3	1228.9	2502.3	3775.9	6348.3	8920.7
899.2	67.5°	891.9	921.9	951.9	2034.8	3117.8	5640.2	8162.6
772.1	70°	738.1	729.6	721.0	1602.1	2483.3	4867.5	7251.7
656.1	72.5°	607.9	582.0	556.2	1224.8	1893.5	4029.9	6166.3
532.7	75°	478.7	455.3	431.9	889.0	1346.1	3069.7	4793.2
416.8	77.5°	364.4	348.4	332.5	602.4	872.3	2148.5	3424.7
306.9	80°	262.5	255.9	249.3	388.1	527.0	1384.2	2241.4
213.3	82.5°	180.6	179.3	178.1	238.7	299.5	801.2	1302.9
130.4	85°	106.5	107.1	107.7	127.6	147.6	360.4	573.3
55.8	87.5°	46.1	46.6	47.2	52.9	58.6	118.0	177.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)