

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: P947404

Luminaire Tested: **GALN-SB2D-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947404
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-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20277 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

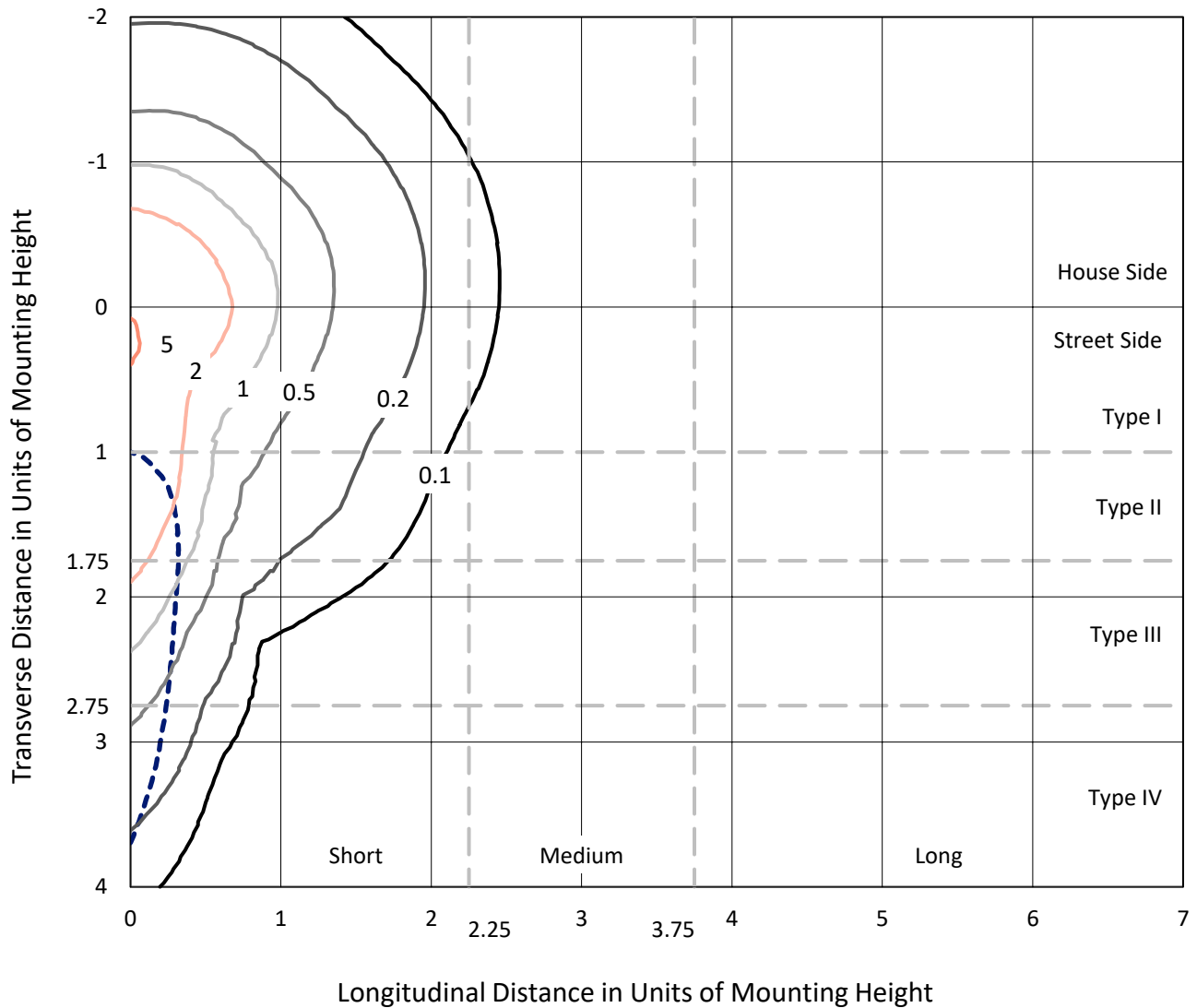
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

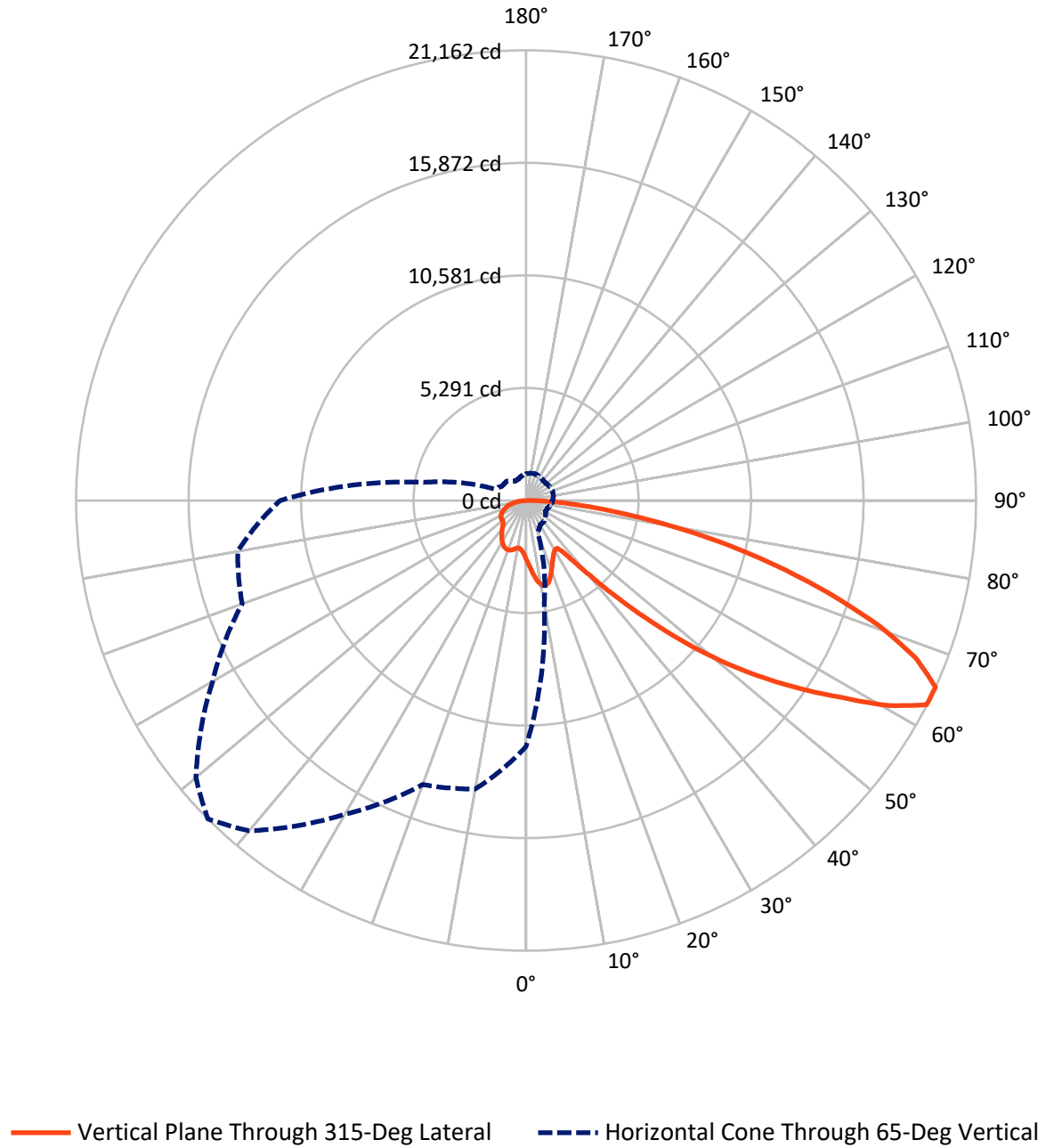
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5153.4	0.0	5153.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15123.6	0.0	15123.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	20277.0	0.0	20277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	1.4
10°-20°	868.3	4.3
20°-30°	1341.2	6.6
30°-40°	1699.6	8.4
40°-50°	2563.5	12.6
50°-60°	4141.7	20.4
60°-70°	5163.3	25.5
70°-80°	3385.8	16.7
80°-90°	837.1	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°	20277.0	100.0
0°-180°	20277.0	100.0

Coefficient of Utilization



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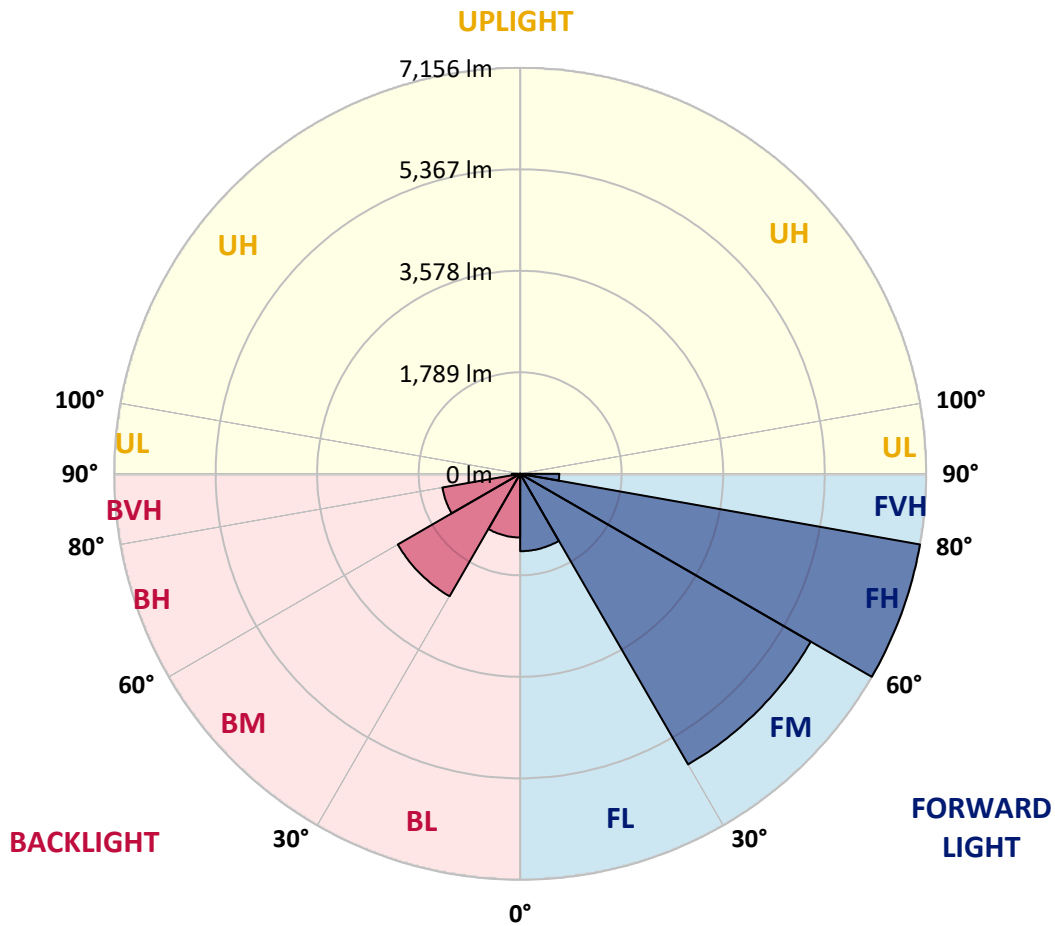
CATALOG NUMBER: GALN-SB2D-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.9	6.7			
FM (30°-60°)	5914.4	29.2			
FH (60°-80°)	7155.8	35.3			G3/7500
FVH (80°-90°)	689.6	3.4			G4/750
BL (0°-30°)	1122.2	5.5	B3/2500		
BM (30°-60°)	2490.4	12.3	B2/2500		
BH (60°-80°)	1393.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	147.5	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2.5°	2998.5	2975.5	2952.5	2928.0	2903.6	2879.0	2854.4	2830.8	2807.3	2784.5
5°	3224.3	3173.4	3122.6	3071.9	3021.3	2970.3	2919.3	2871.7	2824.1	2779.2
7.5°	3451.1	3367.2	3283.4	3206.0	3128.5	3053.1	2977.6	2911.2	2844.8	2783.4
10°	3625.0	3518.9	3412.9	3310.5	3208.2	3116.6	3024.9	2946.4	2867.7	2792.0
12.5°	3731.4	3614.9	3498.5	3382.5	3266.5	3158.5	3050.4	2961.5	2872.6	2793.1
15°	3796.1	3674.7	3553.3	3427.4	3301.6	3177.2	3052.8	2949.8	2846.9	2758.8
17.5°	3832.5	3709.4	3586.2	3448.9	3311.7	3167.2	3022.8	2899.0	2775.2	2671.6
20°	3872.6	3744.7	3616.6	3465.7	3314.9	3139.8	2964.8	2811.4	2657.9	2537.4
22.5°	3919.2	3788.4	3657.6	3488.4	3319.2	3106.2	2893.3	2708.6	2523.8	2386.5
25°	3979.1	3850.9	3722.9	3529.5	3336.1	3073.1	2810.2	2593.7	2377.4	2236.7
27.5°	4060.4	3938.2	3815.9	3593.7	3371.4	3050.9	2730.5	2488.8	2247.1	2119.0
30°	4170.1	4052.0	3934.0	3676.8	3419.7	3040.6	2661.2	2401.1	2140.9	2033.4
32.5°	4299.6	4182.6	4065.8	3763.6	3461.5	3027.7	2593.7	2325.4	2057.0	1970.3
35°	4456.8	4344.9	4232.9	3862.5	3492.1	3003.5	2515.2	2251.0	1986.9	1914.7
37.5°	4721.6	4578.9	4436.2	3973.2	3510.3	2962.1	2414.0	2163.5	1913.1	1849.9
40°	5121.8	4913.8	4705.8	4113.8	3521.7	2905.1	2288.6	2059.1	1829.6	1772.4
42.5°	5652.5	5352.3	5052.0	4297.7	3543.4	2846.3	2149.3	1943.9	1738.4	1685.7
45°	6307.8	5902.9	5497.9	4539.8	3581.6	2791.6	2001.6	1821.5	1641.3	1587.8
47.5°	7127.4	6557.4	5987.4	4797.6	3607.8	2746.4	1885.0	1724.6	1564.3	1495.2
50°	8201.6	7342.4	6483.0	5036.8	3590.7	2697.2	1803.7	1660.3	1517.0	1426.2
52.5°	9434.7	8166.8	6899.0	5192.2	3485.3	2614.1	1742.9	1618.0	1493.1	1388.8
55°	10747.5	8897.8	7048.2	5158.0	3267.6	2476.3	1684.9	1587.3	1489.6	1392.5
57.5°	11941.6	9415.9	6890.2	4917.0	2943.9	2282.0	1619.9	1550.9	1481.9	1396.3
60°	12663.3	9545.4	6427.3	4468.6	2509.9	2029.7	1549.5	1495.2	1441.0	1384.5
62.5°	12296.8	9000.2	5703.6	3862.3	2020.9	1727.7	1434.6	1398.5	1362.6	1355.6
65°	11563.4	8228.9	4894.4	3243.6	1592.9	1456.1	1319.2	1302.2	1285.2	1286.1
67.5°	10580.6	7311.0	4041.4	2637.6	1233.9	1195.0	1156.1	1165.6	1175.0	1172.7
70°	9400.0	6309.4	3218.9	2076.8	934.6	945.7	956.7	1000.8	1044.8	1044.8
72.5°	7993.0	5223.7	2454.4	1587.7	720.9	754.4	788.0	850.5	912.9	923.4
75°	6213.1	3979.0	1744.9	1152.3	559.8	590.2	620.6	690.5	760.5	808.9
77.5°	4439.2	2784.9	1130.7	780.8	431.0	451.6	472.4	540.3	608.3	688.0
80°	2905.4	1794.3	683.2	503.1	323.1	331.7	340.2	397.8	455.3	550.5
82.5°	1688.9	1038.5	388.2	309.4	230.9	232.4	234.1	276.5	318.8	400.2
85°	743.1	467.1	191.3	165.4	139.6	138.9	138.0	169.1	200.1	260.5
87.5°	230.0	153.0	76.0	68.6	61.2	60.5	59.7	72.3	85.1	110.2
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°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2759.2	2.5°	2738.6	2718.2	2699.7	2681.3	2665.1	2649.0	2632.7	2616.5	2604.0	2591.4
2734.8	5°	2696.0	2657.2	2624.7	2592.2	2563.6	2534.9	2508.9	2482.8	2462.8	2442.7
2726.0	7.5°	2674.4	2623.0	2580.2	2537.4	2501.3	2465.1	2433.3	2401.5	2377.6	2353.9
2730.3	10°	2675.9	2621.6	2578.8	2536.0	2497.1	2458.2	2422.3	2386.5	2358.0	2329.5
2735.6	12.5°	2691.1	2646.8	2618.4	2590.1	2559.5	2529.1	2492.0	2455.0	2418.6	2382.2
2712.8	15°	2691.5	2670.4	2674.2	2678.1	2670.1	2662.2	2630.0	2597.8	2546.0	2494.2
2643.3	17.5°	2651.1	2658.8	2705.4	2752.1	2776.9	2801.6	2775.6	2749.7	2681.2	2612.6
2529.9	20°	2566.2	2602.6	2683.6	2764.7	2816.6	2868.5	2856.5	2844.4	2766.0	2687.7
2401.2	22.5°	2455.0	2508.8	2601.2	2693.9	2761.4	2828.9	2836.2	2843.4	2768.5	2693.6
2276.3	25°	2338.4	2400.4	2483.5	2566.8	2633.2	2699.7	2724.5	2749.2	2687.8	2626.5
2167.2	27.5°	2227.1	2287.0	2355.4	2423.6	2476.9	2530.2	2557.8	2585.5	2541.7	2498.1
2071.2	30°	2118.7	2166.4	2223.1	2279.8	2324.0	2368.3	2390.8	2413.2	2380.0	2346.6
1987.1	32.5°	2015.2	2043.4	2088.6	2134.0	2176.4	2218.8	2243.8	2268.8	2238.2	2207.5
1907.7	35°	1915.4	1923.2	1957.8	1992.2	2034.2	2076.2	2106.2	2136.1	2114.3	2092.6
1824.5	37.5°	1815.9	1807.3	1832.2	1856.9	1898.7	1940.7	1977.7	2014.7	2004.6	1994.6
1733.3	40°	1713.9	1694.6	1712.4	1730.3	1770.7	1811.2	1853.8	1896.5	1898.9	1901.3
1636.5	42.5°	1610.8	1585.1	1599.7	1614.3	1652.6	1691.0	1737.0	1783.1	1795.4	1807.7
1540.2	45°	1515.1	1490.2	1502.4	1514.8	1551.2	1587.6	1635.3	1683.0	1700.7	1718.3
1454.3	47.5°	1433.3	1412.3	1423.9	1435.3	1471.0	1506.5	1553.6	1600.6	1621.0	1641.3
1378.6	50°	1360.0	1341.5	1359.5	1377.5	1411.1	1444.6	1486.8	1528.9	1555.0	1581.2
1322.2	52.5°	1303.8	1285.5	1312.6	1339.6	1370.4	1401.1	1440.4	1479.7	1510.6	1541.6
1292.3	55°	1263.2	1234.2	1272.6	1310.9	1344.1	1377.2	1411.7	1446.0	1478.8	1511.6
1274.3	57.5°	1231.9	1189.6	1230.9	1272.2	1311.1	1350.0	1384.1	1418.2	1451.3	1484.2
1257.4	60°	1202.5	1147.5	1183.8	1219.9	1264.7	1309.4	1344.0	1378.6	1411.8	1445.0
1237.7	62.5°	1169.0	1100.4	1123.4	1146.4	1198.5	1250.8	1287.7	1324.6	1355.0	1385.4
1196.2	65°	1123.2	1050.1	1059.0	1067.8	1123.7	1179.6	1214.9	1250.2	1277.0	1303.7
1122.2	67.5°	1061.4	1000.6	997.8	995.0	1046.6	1098.3	1131.8	1165.2	1188.3	1211.4
1028.2	70°	985.0	941.8	932.1	922.5	967.9	1013.2	1042.1	1071.0	1091.9	1112.7
923.6	72.5°	893.9	864.3	850.2	836.2	871.9	907.5	933.6	959.7	980.2	1000.6
804.8	75°	782.0	759.1	745.6	732.1	758.6	785.1	808.8	832.4	851.0	869.6
685.8	77.5°	667.5	649.2	635.5	621.8	643.5	665.0	685.3	705.6	725.2	744.7
550.2	80°	534.9	519.5	508.0	496.5	514.4	532.3	549.4	566.5	581.4	596.2
404.7	82.5°	397.2	389.7	381.5	373.4	371.9	370.4	364.4	358.4	390.1	421.8
266.4	85°	258.4	250.4	241.3	232.2	224.5	216.7	200.1	183.5	213.1	242.9
117.7	87.5°	114.5	111.3	109.6	107.8	107.5	107.2	94.6	81.9	94.3	106.8
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°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2581.2	2.5°	2571.1	2563.1	2555.2	2548.0	2540.6	2531.5	2540.6	2548.0	2555.2	2563.1
2428.7	5°	2414.6	2404.7	2394.7	2387.1	2379.5	2372.1	2379.5	2387.1	2394.7	2404.7
2337.2	7.5°	2320.5	2309.0	2297.7	2290.8	2284.1	2279.0	2284.1	2290.8	2297.7	2309.0
2310.9	10°	2292.0	2281.2	2270.4	2264.6	2258.9	2256.5	2258.9	2264.6	2270.4	2281.2
2358.1	12.5°	2334.1	2322.0	2310.0	2305.1	2300.2	2299.3	2300.2	2305.1	2310.0	2322.0
2457.7	15°	2421.1	2404.3	2387.6	2381.2	2374.7	2374.2	2374.7	2381.2	2387.6	2404.3
2558.7	17.5°	2504.7	2479.9	2455.0	2446.8	2438.6	2437.3	2438.6	2446.8	2455.0	2479.9
2621.6	20°	2555.6	2523.8	2491.9	2481.7	2471.6	2468.4	2471.6	2481.7	2491.9	2523.8
2625.5	22.5°	2557.4	2523.9	2490.3	2479.0	2467.8	2463.0	2467.8	2479.0	2490.3	2523.9
2565.9	25°	2505.6	2476.5	2447.5	2436.9	2426.4	2420.2	2426.4	2436.9	2447.5	2476.5
2451.1	27.5°	2404.2	2384.7	2365.1	2360.3	2355.5	2353.9	2355.5	2360.3	2365.1	2384.7
2313.0	30°	2279.2	2269.2	2259.2	2259.2	2259.2	2260.8	2259.2	2259.2	2259.2	2269.2
2180.6	32.5°	2153.8	2147.3	2140.7	2141.6	2142.6	2144.2	2142.6	2141.6	2140.7	2147.3
2067.8	35°	2043.0	2033.1	2023.3	2021.1	2019.0	2017.9	2019.0	2021.1	2023.3	2033.1
1971.8	37.5°	1948.9	1930.8	1912.8	1903.3	1893.8	1888.4	1893.8	1903.3	1912.8	1930.8
1881.9	40°	1862.6	1836.2	1810.1	1792.4	1774.8	1764.3	1774.8	1792.4	1810.1	1836.2
1791.3	42.5°	1775.0	1742.4	1709.8	1684.0	1658.2	1641.3	1658.2	1684.0	1709.8	1742.4
1703.6	45°	1688.9	1651.6	1614.3	1584.0	1553.8	1534.3	1553.8	1584.0	1614.3	1651.6
1631.0	47.5°	1620.7	1587.6	1554.4	1526.4	1498.5	1479.7	1498.5	1526.4	1554.4	1587.6
1580.5	50°	1580.1	1553.6	1527.0	1501.1	1475.2	1457.3	1475.2	1501.1	1527.0	1553.6
1547.1	52.5°	1552.7	1531.1	1509.5	1486.3	1463.1	1446.6	1463.1	1486.3	1509.5	1531.1
1519.3	55°	1527.0	1508.2	1489.4	1469.0	1448.7	1433.7	1448.7	1469.0	1489.4	1508.2
1492.0	57.5°	1499.8	1480.8	1461.8	1441.6	1421.4	1405.9	1421.4	1441.6	1461.8	1480.8
1453.5	60°	1462.1	1443.5	1424.9	1404.2	1383.4	1367.4	1383.4	1404.2	1424.9	1443.5
1393.6	62.5°	1401.8	1385.0	1368.2	1346.4	1324.6	1305.3	1324.6	1346.4	1368.2	1385.0
1312.2	65°	1320.5	1304.4	1288.2	1267.0	1245.9	1229.4	1245.9	1267.0	1288.2	1304.4
1219.6	67.5°	1227.8	1212.9	1198.1	1178.4	1158.7	1143.8	1158.7	1178.4	1198.1	1212.9
1120.7	70°	1128.6	1116.5	1104.4	1085.6	1066.7	1049.6	1066.7	1085.6	1104.4	1116.5
1010.0	72.5°	1019.4	1009.4	999.3	981.3	963.5	946.9	963.5	981.3	999.3	1009.4
879.5	75°	889.3	884.4	879.5	864.4	849.3	833.5	849.3	864.4	879.5	884.4
753.9	77.5°	763.1	756.2	749.2	734.0	718.8	706.2	718.8	734.0	749.2	756.2
608.4	80°	620.6	617.6	614.7	594.2	573.7	549.9	573.7	594.2	614.7	617.6
442.5	82.5°	463.3	462.0	460.6	443.4	426.0	410.9	426.0	443.4	460.6	462.0
268.6	85°	294.2	292.1	290.0	276.5	263.0	249.3	263.0	276.5	290.0	292.1
117.2	87.5°	127.5	125.0	122.2	115.3	108.3	101.6	108.3	115.3	122.2	125.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2571.1	2.5°	2581.2	2591.4	2604.0	2616.5	2632.7	2649.0	2665.1	2681.3	2699.7	2718.2
2414.6	5°	2428.7	2442.7	2462.8	2482.8	2508.9	2534.9	2563.6	2592.2	2624.7	2657.2
2320.5	7.5°	2337.2	2353.9	2377.6	2401.5	2433.3	2465.1	2501.3	2537.4	2580.2	2623.0
2292.0	10°	2310.9	2329.5	2358.0	2386.5	2422.3	2458.2	2497.1	2536.0	2578.8	2621.6
2334.1	12.5°	2358.1	2382.2	2418.6	2455.0	2492.0	2529.1	2559.5	2590.1	2618.4	2646.8
2421.1	15°	2457.7	2494.2	2546.0	2597.8	2630.0	2662.2	2670.1	2678.1	2674.2	2670.4
2504.7	17.5°	2558.7	2612.6	2681.2	2749.7	2775.6	2801.6	2776.9	2752.1	2705.4	2658.8
2555.6	20°	2621.6	2687.7	2766.0	2844.4	2856.5	2868.5	2816.6	2764.7	2683.6	2602.6
2557.4	22.5°	2625.5	2693.6	2768.5	2843.4	2836.2	2828.9	2761.4	2693.9	2601.2	2508.8
2505.6	25°	2565.9	2626.5	2687.8	2749.2	2724.5	2699.7	2633.2	2566.8	2483.5	2400.4
2404.2	27.5°	2451.1	2498.1	2541.7	2585.5	2557.8	2530.2	2476.9	2423.6	2355.4	2287.0
2279.2	30°	2313.0	2346.6	2380.0	2413.2	2390.8	2368.3	2324.0	2279.8	2223.1	2166.4
2153.8	32.5°	2180.6	2207.5	2238.2	2268.8	2243.8	2218.8	2176.4	2134.0	2088.6	2043.4
2043.0	35°	2067.8	2092.6	2114.3	2136.1	2106.2	2076.2	2034.2	1992.2	1957.8	1923.2
1948.9	37.5°	1971.8	1994.6	2004.6	2014.7	1977.7	1940.7	1898.7	1856.9	1832.2	1807.3
1862.6	40°	1881.9	1901.3	1898.9	1896.5	1853.8	1811.2	1770.7	1730.3	1712.4	1694.6
1775.0	42.5°	1791.3	1807.7	1795.4	1783.1	1737.0	1691.0	1652.6	1614.3	1599.7	1585.1
1688.9	45°	1703.6	1718.3	1700.7	1683.0	1635.3	1587.6	1551.2	1514.8	1502.4	1490.2
1620.7	47.5°	1631.0	1641.3	1621.0	1600.6	1553.6	1506.5	1471.0	1435.3	1423.9	1412.3
1580.1	50°	1580.5	1581.2	1555.0	1528.9	1486.8	1444.6	1411.1	1377.5	1359.5	1341.5
1552.7	52.5°	1547.1	1541.6	1510.6	1479.7	1440.4	1401.1	1370.4	1339.6	1312.6	1285.5
1527.0	55°	1519.3	1511.6	1478.8	1446.0	1411.7	1377.2	1344.1	1310.9	1272.6	1234.2
1499.8	57.5°	1492.0	1484.2	1451.3	1418.2	1384.1	1350.0	1311.1	1272.2	1230.9	1189.6
1462.1	60°	1453.5	1445.0	1411.8	1378.6	1344.0	1309.4	1264.7	1219.9	1183.8	1147.5
1401.8	62.5°	1393.6	1385.4	1355.0	1324.6	1287.7	1250.8	1198.5	1146.4	1123.4	1100.4
1320.5	65°	1312.2	1303.7	1277.0	1250.2	1214.9	1179.6	1123.7	1067.8	1059.0	1050.1
1227.8	67.5°	1219.6	1211.4	1188.3	1165.2	1131.8	1098.3	1046.6	995.0	997.8	1000.6
1128.6	70°	1120.7	1112.7	1091.9	1071.0	1042.1	1013.2	967.9	922.5	932.1	941.8
1019.4	72.5°	1010.0	1000.6	980.2	959.7	933.6	907.5	871.9	836.2	850.2	864.3
889.3	75°	879.5	869.6	851.0	832.4	808.8	785.1	758.6	732.1	745.6	759.1
763.1	77.5°	753.9	744.7	725.2	705.6	685.3	665.0	643.5	621.8	635.5	649.2
620.6	80°	608.4	596.2	581.4	566.5	549.4	532.3	514.4	496.5	508.0	519.5
463.3	82.5°	442.5	421.8	390.1	358.4	364.4	370.4	371.9	373.4	381.5	389.7
294.2	85°	268.6	242.9	213.1	183.5	200.1	216.7	224.5	232.2	241.3	250.4
127.5	87.5°	117.2	106.8	94.3	81.9	94.6	107.2	107.5	107.8	109.6	111.3
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°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2738.6	2.5°	2759.2	2784.5	2807.3	2830.8	2854.4	2879.0	2903.6	2928.0	2952.5	2975.5
2696.0	5°	2734.8	2779.2	2824.1	2871.7	2919.3	2970.3	3021.3	3071.9	3122.6	3173.4
2674.4	7.5°	2726.0	2783.4	2844.8	2911.2	2977.6	3053.1	3128.5	3206.0	3283.4	3367.2
2675.9	10°	2730.3	2792.0	2867.7	2946.4	3024.9	3116.6	3208.2	3310.5	3412.9	3518.9
2691.1	12.5°	2735.6	2793.1	2872.6	2961.5	3050.4	3158.5	3266.5	3382.5	3498.5	3614.9
2691.5	15°	2712.8	2758.8	2846.9	2949.8	3052.8	3177.2	3301.6	3427.4	3553.3	3674.7
2651.1	17.5°	2643.3	2671.6	2775.2	2899.0	3022.8	3167.2	3311.7	3448.9	3586.2	3709.4
2566.2	20°	2529.9	2537.4	2657.9	2811.4	2964.8	3139.8	3314.9	3465.7	3616.6	3744.7
2455.0	22.5°	2401.2	2386.5	2523.8	2708.6	2893.3	3106.2	3319.2	3488.4	3657.6	3788.4
2338.4	25°	2276.3	2236.7	2377.4	2593.7	2810.2	3073.1	3336.1	3529.5	3722.9	3850.9
2227.1	27.5°	2167.2	2119.0	2247.1	2488.8	2730.5	3050.9	3371.4	3593.7	3815.9	3938.2
2118.7	30°	2071.2	2033.4	2140.9	2401.1	2661.2	3040.6	3419.7	3676.8	3934.0	4052.0
2015.2	32.5°	1987.1	1970.3	2057.0	2325.4	2593.7	3027.7	3461.5	3763.6	4065.8	4182.6
1915.4	35°	1907.7	1914.7	1986.9	2251.0	2515.2	3003.5	3492.1	3862.5	4232.9	4344.9
1815.9	37.5°	1824.5	1849.9	1913.1	2163.5	2414.0	2962.1	3510.3	3973.2	4436.2	4578.9
1713.9	40°	1733.3	1772.4	1829.6	2059.1	2288.6	2905.1	3521.7	4113.8	4705.8	4913.8
1610.8	42.5°	1636.5	1685.7	1738.4	1943.9	2149.3	2846.3	3543.4	4297.7	5052.0	5352.3
1515.1	45°	1540.2	1587.8	1641.3	1821.5	2001.6	2791.6	3581.6	4539.8	5497.9	5902.9
1433.3	47.5°	1454.3	1495.2	1564.3	1724.6	1885.0	2746.4	3607.8	4797.6	5987.4	6557.4
1360.0	50°	1378.6	1426.2	1517.0	1660.3	1803.7	2697.2	3590.7	5036.8	6483.0	7342.4
1303.8	52.5°	1322.2	1388.8	1493.1	1618.0	1742.9	2614.1	3485.3	5192.2	6899.0	8166.8
1263.2	55°	1292.3	1392.5	1489.6	1587.3	1684.9	2476.3	3267.6	5158.0	7048.2	8897.8
1231.9	57.5°	1274.3	1396.3	1481.9	1550.9	1619.9	2282.0	2943.9	4917.0	6890.2	9415.9
1202.5	60°	1257.4	1384.5	1441.0	1495.2	1549.5	2029.7	2509.9	4468.6	6427.3	9545.4
1169.0	62.5°	1237.7	1355.6	1362.6	1398.5	1434.6	1727.7	2020.9	3862.3	5703.6	9000.2
1123.2	65°	1196.2	1286.1	1285.2	1302.2	1319.2	1456.1	1592.9	3243.6	4894.4	8228.9
1061.4	67.5°	1122.2	1172.7	1175.0	1165.6	1156.1	1195.0	1233.9	2637.6	4041.4	7311.0
985.0	70°	1028.2	1044.8	1044.8	1000.8	956.7	945.7	934.6	2076.8	3218.9	6309.4
893.9	72.5°	923.6	923.4	912.9	850.5	788.0	754.4	720.9	1587.7	2454.4	5223.7
782.0	75°	804.8	808.9	760.5	690.5	620.6	590.2	559.8	1152.3	1744.9	3979.0
667.5	77.5°	685.8	688.0	608.3	540.3	472.4	451.6	431.0	780.8	1130.7	2784.9
534.9	80°	550.2	550.5	455.3	397.8	340.2	331.7	323.1	503.1	683.2	1794.3
397.2	82.5°	404.7	400.2	318.8	276.5	234.1	232.4	230.9	309.4	388.2	1038.5
258.4	85°	266.4	260.5	200.1	169.1	138.0	138.9	139.6	165.4	191.3	467.1
114.5	87.5°	117.7	110.2	85.1	72.3	59.7	60.5	61.2	68.6	76.0	153.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
2998.5	2.5°	3009.8	3021.3	3037.5	3053.6	3063.2	3072.9	3077.7	3082.5	3080.4	3082.5
3224.3	5°	3264.0	3303.8	3343.1	3382.6	3404.0	3425.4	3438.4	3451.4	3461.3	3451.4
3451.1	7.5°	3515.7	3580.2	3638.3	3696.4	3731.4	3766.4	3785.3	3804.2	3813.3	3804.2
3625.0	10°	3701.3	3777.7	3845.9	3914.1	3955.4	3996.4	4014.8	4033.1	4040.1	4033.1
3731.4	12.5°	3814.2	3896.9	3958.6	4020.0	4049.9	4079.9	4090.0	4100.0	4101.1	4100.0
3796.1	15°	3867.6	3939.0	3977.6	4016.3	4017.4	4018.5	4007.8	3997.1	3984.5	3997.1
3832.5	17.5°	3880.8	3929.0	3929.8	3930.4	3887.1	3843.8	3804.1	3764.3	3736.2	3764.3
3872.6	20°	3889.4	3906.3	3855.5	3804.7	3709.1	3613.4	3543.7	3474.1	3431.3	3474.1
3919.2	22.5°	3897.1	3875.1	3769.8	3664.5	3523.8	3383.1	3296.1	3209.0	3161.7	3209.0
3979.1	25°	3909.6	3840.0	3680.2	3520.3	3349.4	3178.6	3087.0	2995.6	2950.9	2995.6
4060.4	27.5°	3936.1	3811.7	3599.9	3388.3	3198.9	3009.5	2919.4	2829.5	2787.2	2829.5
4170.1	30°	3984.7	3799.4	3538.7	3278.1	3080.8	2883.5	2799.9	2716.4	2677.0	2716.4
4299.6	32.5°	4045.7	3791.9	3497.0	3202.1	3016.7	2831.3	2765.7	2700.0	2671.6	2700.0
4456.8	35°	4146.1	3835.5	3528.2	3221.1	3092.2	2963.5	2948.2	2932.9	2930.6	2932.9
4721.6	37.5°	4356.2	3990.7	3711.4	3432.2	3423.8	3415.5	3485.4	3555.4	3591.8	3555.4
5121.8	40°	4724.3	4326.8	4119.2	3911.5	4058.1	4204.6	4374.8	4544.9	4629.6	4544.9
5652.5	42.5°	5258.1	4863.7	4744.1	4624.5	4944.2	5263.9	5573.3	5882.7	6064.4	5882.7
6307.8	45°	5953.6	5599.2	5546.5	5493.6	6005.8	6518.1	7026.5	7535.0	7843.7	7535.0
7127.4	47.5°	6782.8	6438.0	6427.3	6416.6	7155.5	7894.2	8638.6	9382.8	9819.9	9382.8
8201.6	50°	7775.9	7350.3	7352.1	7353.9	8306.2	9258.4	10240.9	11223.5	11817.5	11223.5
9434.7	52.5°	8919.2	8403.8	8351.7	8299.5	9437.0	10574.4	11790.1	13005.6	13717.7	13005.6
10747.5	55°	10238.3	9729.0	9525.8	9322.6	10588.5	11854.4	13303.6	14752.9	15599.7	14752.9
11941.6	57.5°	11664.3	11386.8	10979.3	10571.9	11850.1	13128.4	14769.9	16411.3	17461.4	16411.3
12663.3	60°	13094.0	13524.9	13018.8	12512.7	13722.4	14932.1	16689.6	18447.0	19582.0	18447.0
12296.8	62.5°	13473.9	14650.9	14593.9	14536.7	15644.9	16753.1	18425.2	20097.2	21146.3	20097.2
11563.4	65°	12668.1	13772.8	13991.4	14209.9	15618.1	17026.5	18647.9	20269.1	21162.3	20269.1
10580.6	67.5°	11631.3	12682.0	12784.5	12886.9	14354.2	15821.4	17449.7	19078.1	19777.8	19078.1
9400.0	70°	10542.8	11685.7	11731.5	11777.4	13089.5	14401.6	15802.9	17204.1	17593.0	17204.1
7993.0	72.5°	9304.4	10615.9	10648.9	10681.7	11708.3	12735.0	13784.5	14833.9	14873.2	14833.9
6213.1	75°	7570.5	8927.8	9049.7	9171.5	9970.2	10768.9	11507.7	12246.5	12048.6	12246.5
4439.2	77.5°	5706.2	6973.3	7147.7	7322.1	7929.3	8536.5	9060.5	9584.5	9244.3	9584.5
2905.4	80°	3971.4	5037.3	5254.0	5470.8	5929.4	6387.8	6662.9	6938.0	6390.7	6938.0
1688.9	82.5°	2417.6	3146.5	3388.6	3630.8	3946.5	4262.1	4376.9	4491.6	4061.5	4491.6
743.1	85°	1129.9	1516.6	1722.6	1928.6	2187.9	2447.2	2512.3	2577.5	2233.0	2577.5
230.0	87.5°	360.0	490.0	604.9	719.9	849.5	979.2	984.8	990.2	831.3	990.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
2788.3	0°	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3	2788.3
3077.7	2.5°	3072.9	3063.2	3053.6	3037.5	3021.3	3009.8	2998.5
3438.4	5°	3425.4	3404.0	3382.6	3343.1	3303.8	3264.0	3224.3
3785.3	7.5°	3766.4	3731.4	3696.4	3638.3	3580.2	3515.7	3451.1
4014.8	10°	3996.4	3955.4	3914.1	3845.9	3777.7	3701.3	3625.0
4090.0	12.5°	4079.9	4049.9	4020.0	3958.6	3896.9	3814.2	3731.4
4007.8	15°	4018.5	4017.4	4016.3	3977.6	3939.0	3867.6	3796.1
3804.1	17.5°	3843.8	3887.1	3930.4	3929.8	3929.0	3880.8	3832.5
3543.7	20°	3613.4	3709.1	3804.7	3855.5	3906.3	3889.4	3872.6
3296.1	22.5°	3383.1	3523.8	3664.5	3769.8	3875.1	3897.1	3919.2
3087.0	25°	3178.6	3349.4	3520.3	3680.2	3840.0	3909.6	3979.1
2919.4	27.5°	3009.5	3198.9	3388.3	3599.9	3811.7	3936.1	4060.4
2799.9	30°	2883.5	3080.8	3278.1	3538.7	3799.4	3984.7	4170.1
2765.7	32.5°	2831.3	3016.7	3202.1	3497.0	3791.9	4045.7	4299.6
2948.2	35°	2963.5	3092.2	3221.1	3528.2	3835.5	4146.1	4456.8
3485.4	37.5°	3415.5	3423.8	3432.2	3711.4	3990.7	4356.2	4721.6
4374.8	40°	4204.6	4058.1	3911.5	4119.2	4326.8	4724.3	5121.8
5573.3	42.5°	5263.9	4944.2	4624.5	4744.1	4863.7	5258.1	5652.5
7026.5	45°	6518.1	6005.8	5493.6	5546.5	5599.2	5953.6	6307.8
8638.6	47.5°	7894.2	7155.5	6416.6	6427.3	6438.0	6782.8	7127.4
10240.9	50°	9258.4	8306.2	7353.9	7352.1	7350.3	7775.9	8201.6
11790.1	52.5°	10574.4	9437.0	8299.5	8351.7	8403.8	8919.2	9434.7
13303.6	55°	11854.4	10588.5	9322.6	9525.8	9729.0	10238.3	10747.5
14769.9	57.5°	13128.4	11850.1	10571.9	10979.3	11386.8	11664.3	11941.6
16689.6	60°	14932.1	13722.4	12512.7	13018.8	13524.9	13094.0	12663.3
18425.2	62.5°	16753.1	15644.9	14536.7	14593.9	14650.9	13473.9	12296.8
18647.9	65°	17026.5	15618.1	14209.9	13991.4	13772.8	12668.1	11563.4
17449.7	67.5°	15821.4	14354.2	12886.9	12784.5	12682.0	11631.3	10580.6
15802.9	70°	14401.6	13089.5	11777.4	11731.5	11685.7	10542.8	9400.0
13784.5	72.5°	12735.0	11708.3	10681.7	10648.9	10615.9	9304.4	7993.0
11507.7	75°	10768.9	9970.2	9171.5	9049.7	8927.8	7570.5	6213.1
9060.5	77.5°	8536.5	7929.3	7322.1	7147.7	6973.3	5706.2	4439.2
6662.9	80°	6387.8	5929.4	5470.8	5254.0	5037.3	3971.4	2905.4
4376.9	82.5°	4262.1	3946.5	3630.8	3388.6	3146.5	2417.6	1688.9
2512.3	85°	2447.2	2187.9	1928.6	1722.6	1516.6	1129.9	743.1
984.8	87.5°	979.2	849.5	719.9	604.9	490.0	360.0	230.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)