

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: P948559

Luminaire Tested: **GALN-SB3C-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948559
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-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19469 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

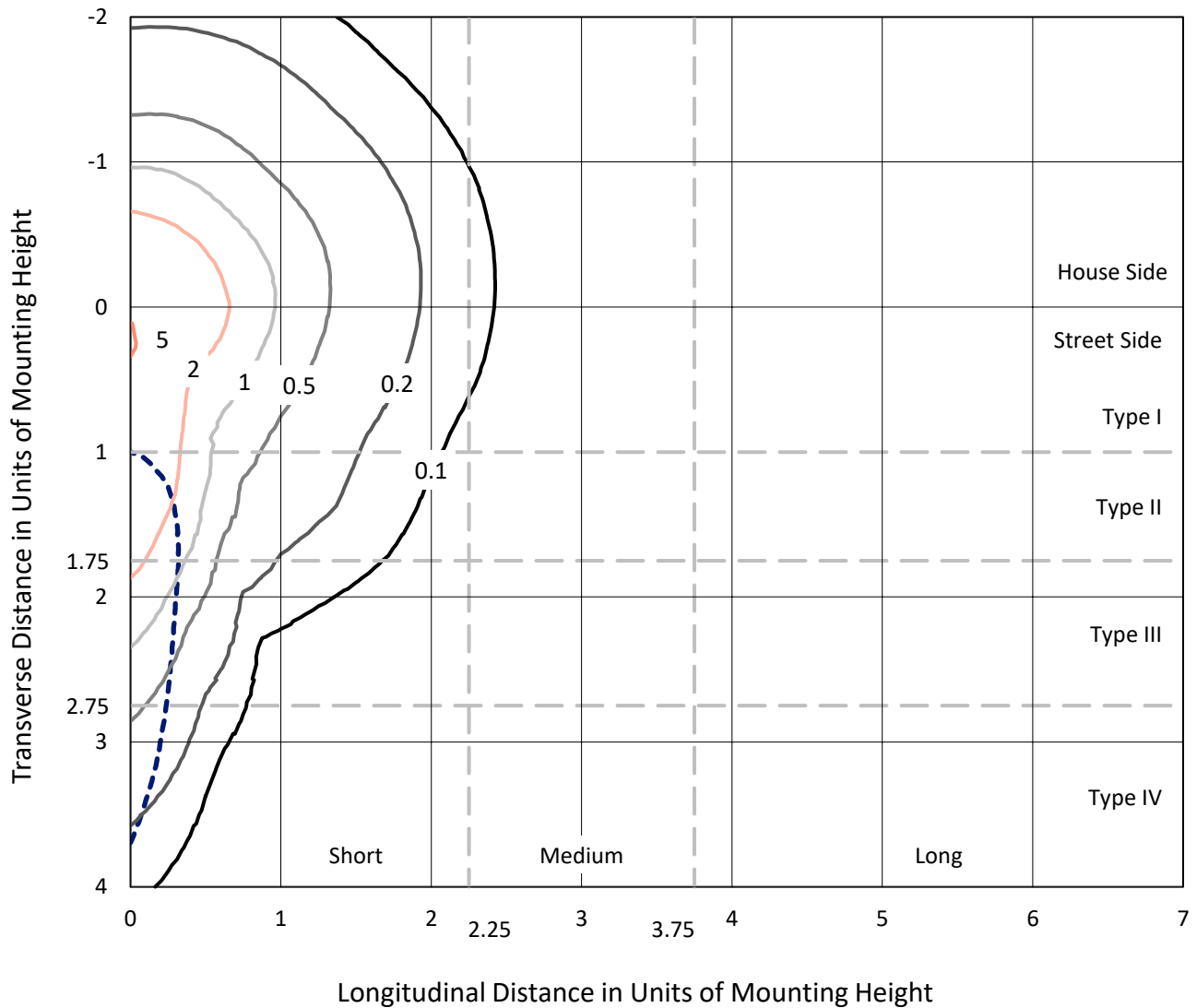
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

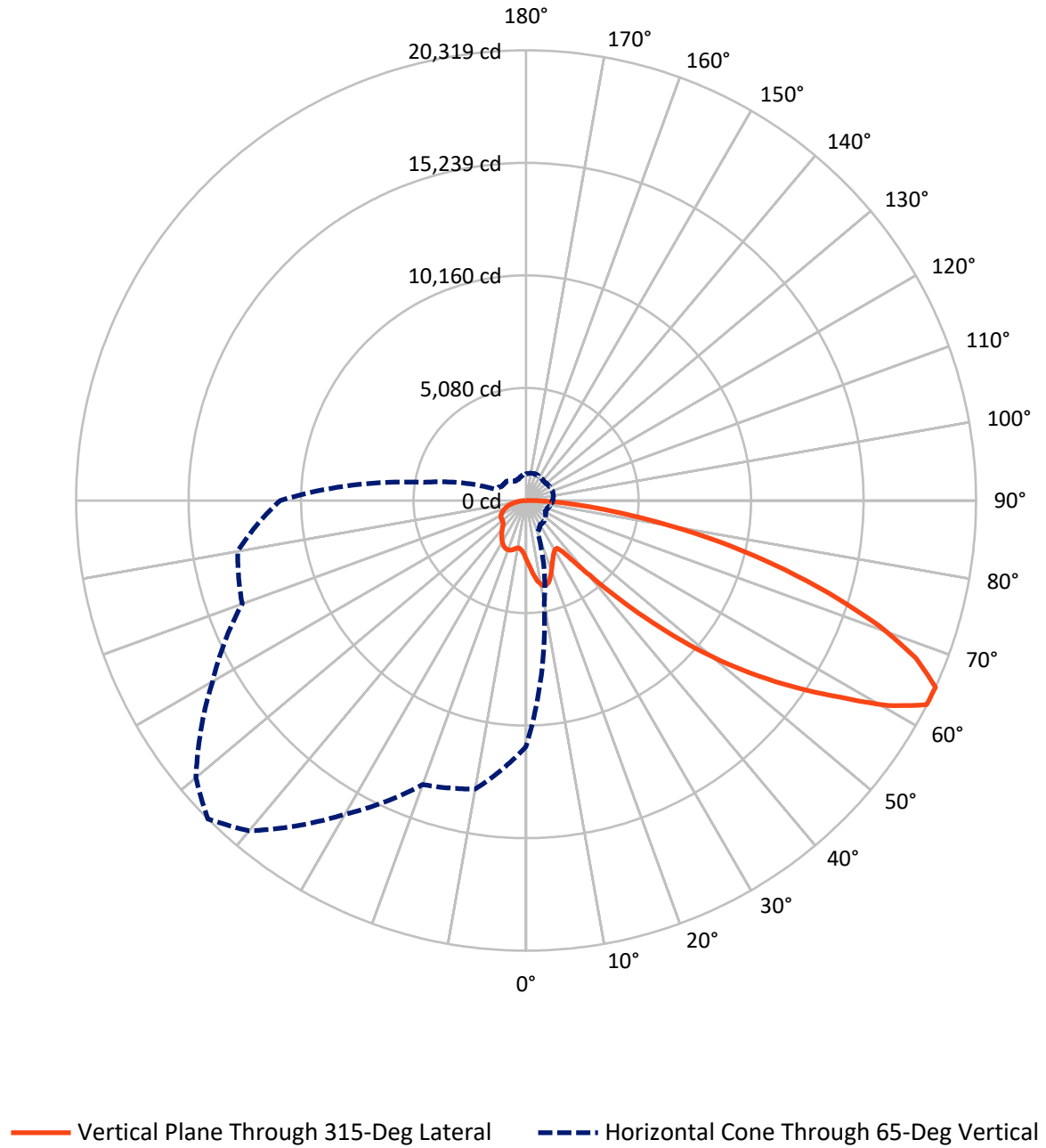
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	4948.0	0.0	4948.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14521.0	0.0	14521.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	19469.0	0.0	19469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	1.4
10°-20°	833.7	4.3
20°-30°	1287.8	6.6
30°-40°	1631.9	8.4
40°-50°	2461.3	12.6
50°-60°	3976.6	20.4
60°-70°	4957.5	25.5
70°-80°	3250.9	16.7
80°-90°	803.7	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°	19469.0	100.0
0°-180°	19469.0	100.0

Coefficient of Utilization



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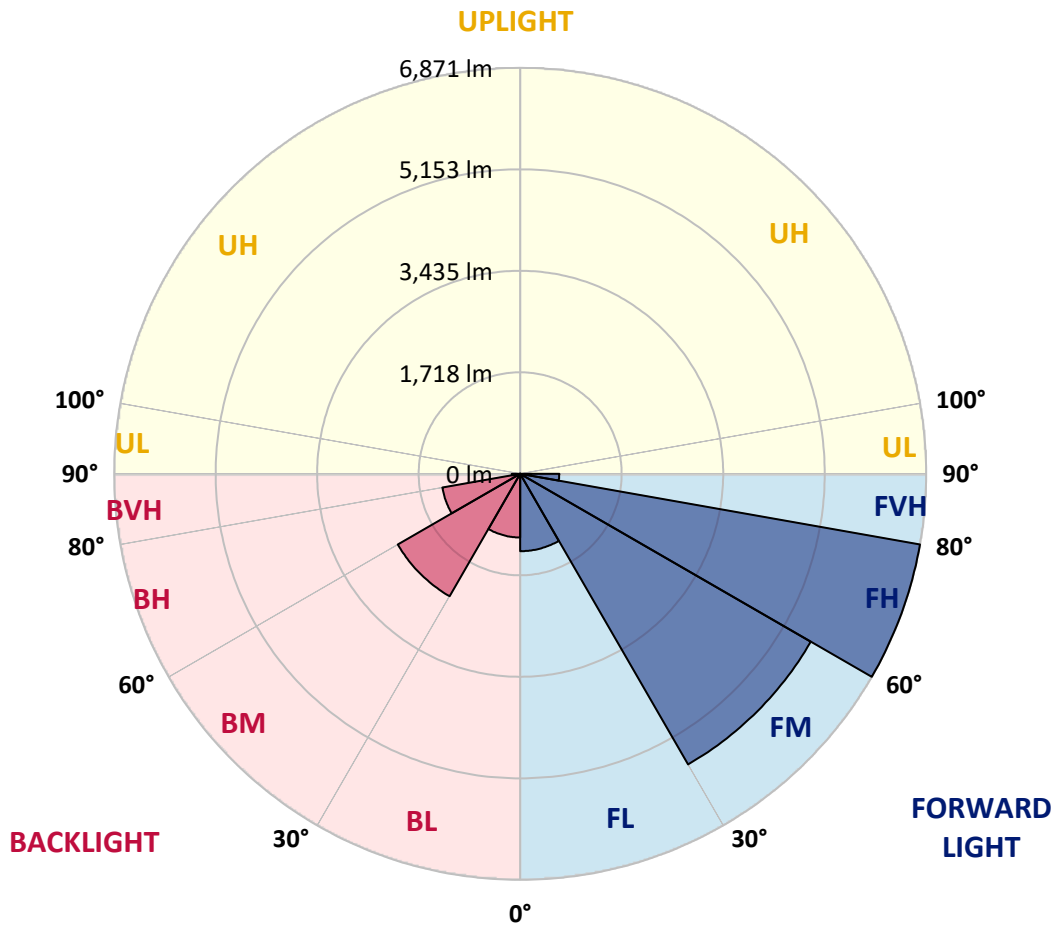
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1309.5	6.7			
FM (30°-60°)	5678.7	29.2			
FH (60°-80°)	6870.7	35.3			G3/7500
FVH (80°-90°)	662.1	3.4			G4/750
BL (0°-30°)	1077.5	5.5	B3/2500		
BM (30°-60°)	2391.2	12.3	B2/2500		
BH (60°-80°)	1337.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	141.6	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°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2.5°	2879.0	2856.9	2834.8	2811.3	2787.9	2764.3	2740.6	2718.0	2695.4	2673.6
5°	3095.8	3047.0	2998.2	2949.5	2900.9	2851.9	2803.0	2757.3	2711.6	2668.4
7.5°	3313.6	3233.0	3152.6	3078.2	3003.8	2931.4	2859.0	2795.2	2731.4	2672.5
10°	3480.5	3378.7	3276.9	3178.6	3080.4	2992.4	2904.4	2829.0	2753.4	2680.8
12.5°	3582.7	3470.9	3359.1	3247.7	3136.4	3032.6	2928.8	2843.5	2758.1	2681.8
15°	3644.9	3528.3	3411.7	3290.9	3170.1	3050.6	2931.1	2832.3	2733.5	2648.9
17.5°	3679.8	3561.6	3443.3	3311.5	3179.7	3041.0	2902.3	2783.5	2664.6	2565.2
20°	3718.3	3595.5	3472.5	3327.6	3182.8	3014.7	2846.7	2699.3	2552.0	2436.3
22.5°	3763.0	3637.5	3511.8	3349.4	3186.9	2982.5	2778.0	2600.6	2423.2	2291.4
25°	3820.5	3697.5	3574.5	3388.9	3203.1	2950.6	2698.2	2490.4	2282.7	2147.6
27.5°	3898.6	3781.3	3663.9	3450.5	3237.0	2929.4	2621.7	2389.6	2157.5	2034.6
30°	4003.9	3890.5	3777.2	3530.3	3283.5	2919.4	2555.1	2305.4	2055.6	1952.4
32.5°	4128.2	4015.9	3903.8	3613.6	3323.5	2907.1	2490.4	2232.7	1975.0	1891.8
35°	4279.2	4171.8	4064.2	3708.6	3352.9	2883.8	2415.0	2161.3	1907.7	1838.4
37.5°	4533.5	4396.5	4259.4	3814.9	3370.4	2844.1	2317.8	2077.3	1836.8	1776.2
40°	4917.7	4718.0	4518.3	3949.9	3381.4	2789.3	2197.4	1977.0	1756.7	1701.7
42.5°	5427.2	5139.0	4850.7	4126.5	3402.2	2732.8	2063.6	1866.4	1669.2	1618.5
45°	6056.5	5667.6	5278.8	4358.9	3438.9	2680.3	1921.9	1748.9	1575.9	1524.5
47.5°	6843.4	6296.1	5748.8	4606.4	3464.1	2637.0	1809.9	1655.9	1501.9	1435.7
50°	7874.8	7049.8	6224.6	4836.1	3447.6	2589.7	1731.8	1594.2	1456.5	1369.4
52.5°	9058.8	7841.4	6624.1	4985.3	3346.4	2509.9	1673.5	1553.5	1433.6	1333.4
55°	10319.3	8543.3	6767.4	4952.4	3137.4	2377.6	1617.8	1524.0	1430.2	1337.0
57.5°	11465.7	9040.7	6615.6	4721.1	2826.6	2191.0	1555.3	1489.1	1422.8	1340.6
60°	12158.7	9165.0	6171.2	4290.5	2409.9	1948.8	1487.7	1435.7	1383.6	1329.3
62.5°	11806.8	8641.6	5476.4	3708.4	1940.4	1658.9	1377.4	1342.8	1308.3	1301.6
65°	11102.6	7901.0	4699.4	3114.4	1529.5	1398.1	1266.7	1250.3	1234.0	1234.8
67.5°	10159.0	7019.7	3880.3	2532.5	1184.7	1147.4	1110.0	1119.1	1128.2	1125.9
70°	9025.4	6058.0	3090.6	1994.0	897.4	908.0	918.6	960.9	1003.2	1003.2
72.5°	7674.5	5015.5	2356.6	1524.4	692.2	724.4	756.6	816.6	876.5	886.6
75°	5965.6	3820.4	1675.3	1106.4	537.5	566.7	595.8	663.0	730.2	776.6
77.5°	4262.3	2674.0	1085.7	749.7	413.8	433.6	453.6	518.8	584.0	660.6
80°	2789.6	1722.8	655.9	483.0	310.2	318.5	326.7	382.0	437.1	528.5
82.5°	1621.6	997.1	372.7	297.1	221.7	223.1	224.8	265.5	306.1	384.2
85°	713.5	448.5	183.7	158.8	134.1	133.3	132.5	162.3	192.1	250.1
87.5°	220.9	146.9	72.9	65.9	58.8	58.0	57.3	69.4	81.7	105.8
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°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2649.2	2.5°	2629.5	2609.9	2592.1	2574.4	2558.9	2543.4	2527.8	2512.3	2500.3	2488.1
2625.8	5°	2588.6	2551.3	2520.1	2489.0	2461.4	2433.9	2408.9	2383.9	2364.6	2345.3
2617.4	7.5°	2567.8	2518.4	2477.3	2436.3	2401.6	2366.9	2336.3	2305.8	2282.9	2260.1
2621.5	10°	2569.3	2517.1	2476.0	2434.9	2397.6	2360.2	2325.8	2291.4	2264.1	2236.6
2626.6	12.5°	2583.9	2541.3	2514.0	2486.9	2457.5	2428.3	2392.7	2357.1	2322.2	2287.3
2604.7	15°	2584.3	2563.9	2567.6	2571.3	2563.7	2556.1	2525.2	2494.3	2444.6	2394.9
2538.0	17.5°	2545.5	2552.9	2597.6	2642.4	2666.3	2690.0	2665.0	2640.2	2574.3	2508.5
2429.1	20°	2464.0	2498.9	2576.7	2654.6	2704.4	2754.2	2742.7	2731.1	2655.8	2580.6
2305.5	22.5°	2357.1	2408.8	2497.6	2586.5	2651.4	2716.2	2723.2	2730.1	2658.2	2586.2
2185.6	25°	2245.2	2304.8	2384.6	2464.5	2528.3	2592.1	2615.9	2639.7	2580.7	2521.8
2080.8	27.5°	2138.3	2195.9	2261.5	2327.0	2378.2	2429.4	2455.9	2482.5	2440.5	2398.6
1988.7	30°	2034.3	2080.1	2134.5	2189.0	2231.4	2273.9	2295.5	2317.1	2285.1	2253.1
1907.9	32.5°	1934.9	1961.9	2005.4	2049.0	2089.6	2130.4	2154.4	2178.4	2149.0	2119.5
1831.7	35°	1839.1	1846.6	1879.8	1912.8	1953.1	1993.5	2022.2	2051.0	2030.1	2009.2
1751.8	37.5°	1743.5	1735.3	1759.2	1782.9	1823.1	1863.3	1898.9	1934.4	1924.8	1915.1
1664.2	40°	1645.6	1627.0	1644.2	1661.4	1700.2	1739.0	1779.9	1820.9	1823.3	1825.5
1571.3	42.5°	1546.6	1522.0	1535.9	1550.0	1586.8	1623.7	1667.8	1712.0	1723.8	1735.6
1478.8	45°	1454.8	1430.8	1442.5	1454.5	1489.4	1524.3	1570.1	1615.9	1632.9	1649.9
1396.3	47.5°	1376.2	1356.0	1367.1	1378.1	1412.3	1446.4	1491.6	1536.8	1556.4	1575.9
1323.7	50°	1305.8	1288.0	1305.3	1322.7	1354.9	1387.1	1427.5	1468.0	1493.1	1518.2
1269.5	52.5°	1251.9	1234.3	1260.3	1286.2	1315.8	1345.3	1383.0	1420.8	1450.5	1480.1
1240.8	55°	1212.8	1185.0	1221.9	1258.7	1290.5	1322.3	1355.4	1388.4	1419.8	1451.4
1223.5	57.5°	1182.8	1142.2	1181.8	1221.5	1258.9	1296.3	1328.9	1361.7	1393.4	1425.1
1207.3	60°	1154.6	1101.8	1136.6	1171.3	1214.3	1257.2	1290.4	1323.7	1355.5	1387.4
1188.4	62.5°	1122.4	1056.6	1078.7	1100.8	1150.8	1200.9	1236.4	1271.8	1301.0	1330.2
1148.5	65°	1078.5	1008.3	1016.8	1025.2	1078.9	1132.6	1166.5	1200.4	1226.1	1251.8
1077.4	67.5°	1019.1	960.7	958.1	955.4	1004.9	1054.5	1086.7	1118.7	1140.9	1163.1
987.2	70°	945.7	904.2	895.0	885.7	929.3	972.9	1000.6	1028.3	1048.4	1068.4
886.8	72.5°	858.3	829.9	816.3	802.8	837.2	871.4	896.4	921.5	941.1	960.7
772.7	75°	750.9	728.9	715.9	702.9	728.4	753.8	776.5	799.2	817.1	835.0
658.5	77.5°	640.9	623.4	610.2	597.1	617.8	638.5	658.0	677.5	696.3	715.0
528.2	80°	513.5	498.8	487.8	476.7	493.9	511.1	527.5	544.0	558.2	572.4
388.5	82.5°	381.3	374.1	366.3	358.5	357.1	355.7	349.9	344.1	374.6	405.0
255.8	85°	248.1	240.4	231.7	222.9	215.5	208.0	192.1	176.2	204.6	233.2
113.0	87.5°	109.9	106.8	105.2	103.6	103.2	102.9	90.8	78.6	90.5	102.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2478.4	2.5°	2468.6	2461.0	2453.4	2446.4	2439.3	2430.6	2439.3	2446.4	2453.4	2461.0
2331.9	5°	2318.4	2308.9	2299.3	2292.0	2284.7	2277.5	2284.7	2292.0	2299.3	2308.9
2244.0	7.5°	2228.0	2217.0	2206.1	2199.6	2193.1	2188.2	2193.1	2199.6	2206.1	2217.0
2218.8	10°	2200.7	2190.3	2179.9	2174.4	2168.8	2166.6	2168.8	2174.4	2179.9	2190.3
2264.2	12.5°	2241.1	2229.5	2218.0	2213.2	2208.5	2207.7	2208.5	2213.2	2218.0	2229.5
2359.7	15°	2324.6	2308.5	2292.4	2286.3	2280.1	2279.6	2280.1	2286.3	2292.4	2308.5
2456.7	17.5°	2404.9	2381.1	2357.1	2349.3	2341.4	2340.2	2341.4	2349.3	2357.1	2381.1
2517.1	20°	2453.7	2423.2	2392.6	2382.8	2373.1	2370.0	2373.1	2382.8	2392.6	2423.2
2520.9	22.5°	2455.5	2423.3	2391.1	2380.3	2369.5	2364.9	2369.5	2380.3	2391.1	2423.3
2463.7	25°	2405.7	2377.8	2350.0	2339.8	2329.7	2323.8	2329.7	2339.8	2350.0	2377.8
2353.5	27.5°	2308.4	2289.7	2270.9	2266.2	2261.6	2260.1	2261.6	2266.2	2270.9	2289.7
2220.8	30°	2188.4	2178.8	2169.2	2169.2	2169.2	2170.7	2169.2	2169.2	2169.2	2178.8
2093.7	32.5°	2068.0	2061.7	2055.4	2056.3	2057.2	2058.7	2057.2	2056.3	2055.4	2061.7
1985.4	35°	1961.6	1952.1	1942.6	1940.6	1938.5	1937.5	1938.5	1940.6	1942.6	1952.1
1893.2	37.5°	1871.2	1853.9	1836.6	1827.5	1818.3	1813.2	1818.3	1827.5	1836.6	1853.9
1806.9	40°	1788.3	1763.1	1738.0	1720.9	1704.1	1694.0	1704.1	1720.9	1738.0	1763.1
1719.9	42.5°	1704.3	1673.0	1641.6	1616.9	1592.1	1575.9	1592.1	1616.9	1641.6	1673.0
1635.7	45°	1621.6	1585.7	1550.0	1520.9	1491.9	1473.2	1491.9	1520.9	1550.0	1585.7
1566.0	47.5°	1556.2	1524.3	1492.5	1465.6	1438.7	1420.8	1438.7	1465.6	1492.5	1524.3
1517.5	50°	1517.1	1491.6	1466.2	1441.3	1416.4	1399.2	1416.4	1441.3	1466.2	1491.6
1485.5	52.5°	1490.8	1470.1	1449.3	1427.0	1404.8	1388.9	1404.8	1427.0	1449.3	1470.1
1458.8	55°	1466.2	1448.1	1430.0	1410.5	1391.0	1376.6	1391.0	1410.5	1430.0	1448.1
1432.6	57.5°	1440.1	1421.8	1403.5	1384.2	1364.8	1349.9	1364.8	1384.2	1403.5	1421.8
1395.6	60°	1403.8	1385.9	1368.2	1348.2	1328.3	1312.9	1328.3	1348.2	1368.2	1385.9
1338.1	62.5°	1346.0	1329.8	1313.7	1292.8	1271.8	1253.3	1271.8	1292.8	1313.7	1329.8
1259.9	65°	1267.9	1252.4	1236.9	1216.5	1196.3	1180.4	1196.3	1216.5	1236.9	1252.4
1171.0	67.5°	1178.8	1164.6	1150.4	1131.5	1112.6	1098.2	1112.6	1131.5	1150.4	1164.6
1076.0	70°	1083.6	1072.0	1060.4	1042.3	1024.2	1007.8	1024.2	1042.3	1060.4	1072.0
969.8	72.5°	978.8	969.2	959.5	942.2	925.1	909.2	925.1	942.2	959.5	969.2
844.4	75°	853.9	849.2	844.4	830.0	815.5	800.3	815.5	830.0	844.4	849.2
723.8	77.5°	732.7	726.1	719.3	704.7	690.1	678.0	690.1	704.7	719.3	726.1
584.1	80°	595.8	593.0	590.2	570.6	550.8	528.0	550.8	570.6	590.2	593.0
424.9	82.5°	444.8	443.6	442.3	425.7	409.1	394.5	409.1	425.7	442.3	443.6
257.9	85°	282.5	280.5	278.4	265.5	252.5	239.4	252.5	265.5	278.4	280.5
112.5	87.5°	122.5	120.0	117.3	110.7	104.0	97.6	104.0	110.7	117.3	120.0
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°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2468.6	2.5°	2478.4	2488.1	2500.3	2512.3	2527.8	2543.4	2558.9	2574.4	2592.1	2609.9
2318.4	5°	2331.9	2345.3	2364.6	2383.9	2408.9	2433.9	2461.4	2489.0	2520.1	2551.3
2228.0	7.5°	2244.0	2260.1	2282.9	2305.8	2336.3	2366.9	2401.6	2436.3	2477.3	2518.4
2200.7	10°	2218.8	2236.6	2264.1	2291.4	2325.8	2360.2	2397.6	2434.9	2476.0	2517.1
2241.1	12.5°	2264.2	2287.3	2322.2	2357.1	2392.7	2428.3	2457.5	2486.9	2514.0	2541.3
2324.6	15°	2359.7	2394.9	2444.6	2494.3	2525.2	2556.1	2563.7	2571.3	2567.6	2563.9
2404.9	17.5°	2456.7	2508.5	2574.3	2640.2	2665.0	2690.0	2666.3	2642.4	2597.6	2552.9
2453.7	20°	2517.1	2580.6	2655.8	2731.1	2742.7	2754.2	2704.4	2654.6	2576.7	2498.9
2455.5	22.5°	2520.9	2586.2	2658.2	2730.1	2723.2	2716.2	2651.4	2586.5	2497.6	2408.8
2405.7	25°	2463.7	2521.8	2580.7	2639.7	2615.9	2592.1	2528.3	2464.5	2384.6	2304.8
2308.4	27.5°	2353.5	2398.6	2440.5	2482.5	2455.9	2429.4	2378.2	2327.0	2261.5	2195.9
2188.4	30°	2220.8	2253.1	2285.1	2317.1	2295.5	2273.9	2231.4	2189.0	2134.5	2080.1
2068.0	32.5°	2093.7	2119.5	2149.0	2178.4	2154.4	2130.4	2089.6	2049.0	2005.4	1961.9
1961.6	35°	1985.4	2009.2	2030.1	2051.0	2022.2	1993.5	1953.1	1912.8	1879.8	1846.6
1871.2	37.5°	1893.2	1915.1	1924.8	1934.4	1898.9	1863.3	1823.1	1782.9	1759.2	1735.3
1788.3	40°	1806.9	1825.5	1823.3	1820.9	1779.9	1739.0	1700.2	1661.4	1644.2	1627.0
1704.3	42.5°	1719.9	1735.6	1723.8	1712.0	1667.8	1623.7	1586.8	1550.0	1535.9	1522.0
1621.6	45°	1635.7	1649.9	1632.9	1615.9	1570.1	1524.3	1489.4	1454.5	1442.5	1430.8
1556.2	47.5°	1566.0	1575.9	1556.4	1536.8	1491.6	1446.4	1412.3	1378.1	1367.1	1356.0
1517.1	50°	1517.5	1518.2	1493.1	1468.0	1427.5	1387.1	1354.9	1322.7	1305.3	1288.0
1490.8	52.5°	1485.5	1480.1	1450.5	1420.8	1383.0	1345.3	1315.8	1286.2	1260.3	1234.3
1466.2	55°	1458.8	1451.4	1419.8	1388.4	1355.4	1322.3	1290.5	1258.7	1221.9	1185.0
1440.1	57.5°	1432.6	1425.1	1393.4	1361.7	1328.9	1296.3	1258.9	1221.5	1181.8	1142.2
1403.8	60°	1395.6	1387.4	1355.5	1323.7	1290.4	1257.2	1214.3	1171.3	1136.6	1101.8
1346.0	62.5°	1338.1	1330.2	1301.0	1271.8	1236.4	1200.9	1150.8	1100.8	1078.7	1056.6
1267.9	65°	1259.9	1251.8	1226.1	1200.4	1166.5	1132.6	1078.9	1025.2	1016.8	1008.3
1178.8	67.5°	1171.0	1163.1	1140.9	1118.7	1086.7	1054.5	1004.9	955.4	958.1	960.7
1083.6	70°	1076.0	1068.4	1048.4	1028.3	1000.6	972.9	929.3	885.7	895.0	904.2
978.8	72.5°	969.8	960.7	941.1	921.5	896.4	871.4	837.2	802.8	816.3	829.9
853.9	75°	844.4	835.0	817.1	799.2	776.5	753.8	728.4	702.9	715.9	728.9
732.7	77.5°	723.8	715.0	696.3	677.5	658.0	638.5	617.8	597.1	610.2	623.4
595.8	80°	584.1	572.4	558.2	544.0	527.5	511.1	493.9	476.7	487.8	498.8
444.8	82.5°	424.9	405.0	374.6	344.1	349.9	355.7	357.1	358.5	366.3	374.1
282.5	85°	257.9	233.2	204.6	176.2	192.1	208.0	215.5	222.9	231.7	240.4
122.5	87.5°	112.5	102.5	90.5	78.6	90.8	102.9	103.2	103.6	105.2	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2629.5	2.5°	2649.2	2673.6	2695.4	2718.0	2740.6	2764.3	2787.9	2811.3	2834.8	2856.9
2588.6	5°	2625.8	2668.4	2711.6	2757.3	2803.0	2851.9	2900.9	2949.5	2998.2	3047.0
2567.8	7.5°	2617.4	2672.5	2731.4	2795.2	2859.0	2931.4	3003.8	3078.2	3152.6	3233.0
2569.3	10°	2621.5	2680.8	2753.4	2829.0	2904.4	2992.4	3080.4	3178.6	3276.9	3378.7
2583.9	12.5°	2626.6	2681.8	2758.1	2843.5	2928.8	3032.6	3136.4	3247.7	3359.1	3470.9
2584.3	15°	2604.7	2648.9	2733.5	2832.3	2931.1	3050.6	3170.1	3290.9	3411.7	3528.3
2545.5	17.5°	2538.0	2565.2	2664.6	2783.5	2902.3	3041.0	3179.7	3311.5	3443.3	3561.6
2464.0	20°	2429.1	2436.3	2552.0	2699.3	2846.7	3014.7	3182.8	3327.6	3472.5	3595.5
2357.1	22.5°	2305.5	2291.4	2423.2	2600.6	2778.0	2982.5	3186.9	3349.4	3511.8	3637.5
2245.2	25°	2185.6	2147.6	2282.7	2490.4	2698.2	2950.6	3203.1	3388.9	3574.5	3697.5
2138.3	27.5°	2080.8	2034.6	2157.5	2389.6	2621.7	2929.4	3237.0	3450.5	3663.9	3781.3
2034.3	30°	1988.7	1952.4	2055.6	2305.4	2555.1	2919.4	3283.5	3530.3	3777.2	3890.5
1934.9	32.5°	1907.9	1891.8	1975.0	2232.7	2490.4	2907.1	3323.5	3613.6	3903.8	4015.9
1839.1	35°	1831.7	1838.4	1907.7	2161.3	2415.0	2883.8	3352.9	3708.6	4064.2	4171.8
1743.5	37.5°	1751.8	1776.2	1836.8	2077.3	2317.8	2844.1	3370.4	3814.9	4259.4	4396.5
1645.6	40°	1664.2	1701.7	1756.7	1977.0	2197.4	2789.3	3381.4	3949.9	4518.3	4718.0
1546.6	42.5°	1571.3	1618.5	1669.2	1866.4	2063.6	2732.8	3402.2	4126.5	4850.7	5139.0
1454.8	45°	1478.8	1524.5	1575.9	1748.9	1921.9	2680.3	3438.9	4358.9	5278.8	5667.6
1376.2	47.5°	1396.3	1435.7	1501.9	1655.9	1809.9	2637.0	3464.1	4606.4	5748.8	6296.1
1305.8	50°	1323.7	1369.4	1456.5	1594.2	1731.8	2589.7	3447.6	4836.1	6224.6	7049.8
1251.9	52.5°	1269.5	1333.4	1433.6	1553.5	1673.5	2509.9	3346.4	4985.3	6624.1	7841.4
1212.8	55°	1240.8	1337.0	1430.2	1524.0	1617.8	2377.6	3137.4	4952.4	6767.4	8543.3
1182.8	57.5°	1223.5	1340.6	1422.8	1489.1	1555.3	2191.0	2826.6	4721.1	6615.6	9040.7
1154.6	60°	1207.3	1329.3	1383.6	1435.7	1487.7	1948.8	2409.9	4290.5	6171.2	9165.0
1122.4	62.5°	1188.4	1301.6	1308.3	1342.8	1377.4	1658.9	1940.4	3708.4	5476.4	8641.6
1078.5	65°	1148.5	1234.8	1234.0	1250.3	1266.7	1398.1	1529.5	3114.4	4699.4	7901.0
1019.1	67.5°	1077.4	1125.9	1128.2	1119.1	1110.0	1147.4	1184.7	2532.5	3880.3	7019.7
945.7	70°	987.2	1003.2	1003.2	960.9	918.6	908.0	897.4	1994.0	3090.6	6058.0
858.3	72.5°	886.8	886.6	876.5	816.6	756.6	724.4	692.2	1524.4	2356.6	5015.5
750.9	75°	772.7	776.6	730.2	663.0	595.8	566.7	537.5	1106.4	1675.3	3820.4
640.9	77.5°	658.5	660.6	584.0	518.8	453.6	433.6	413.8	749.7	1085.7	2674.0
513.5	80°	528.2	528.5	437.1	382.0	326.7	318.5	310.2	483.0	655.9	1722.8
381.3	82.5°	388.5	384.2	306.1	265.5	224.8	223.1	221.7	297.1	372.7	997.1
248.1	85°	255.8	250.1	192.1	162.3	132.5	133.3	134.1	158.8	183.7	448.5
109.9	87.5°	113.0	105.8	81.7	69.4	57.3	58.0	58.8	65.9	72.9	146.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2879.0	2.5°	2889.9	2900.9	2916.4	2931.9	2941.2	2950.4	2955.0	2959.7	2957.6	2959.7
3095.8	5°	3133.9	3172.1	3209.9	3247.8	3268.4	3288.9	3301.3	3313.9	3323.3	3313.9
3313.6	7.5°	3375.6	3437.6	3493.3	3549.1	3582.7	3616.3	3634.5	3652.6	3661.3	3652.6
3480.5	10°	3553.9	3627.2	3692.6	3758.1	3797.7	3837.2	3854.9	3872.4	3879.1	3872.4
3582.7	12.5°	3662.2	3741.6	3800.8	3859.8	3888.6	3917.3	3927.0	3936.6	3937.7	3936.6
3644.9	15°	3713.5	3782.0	3819.1	3856.3	3857.3	3858.3	3848.1	3837.8	3825.7	3837.8
3679.8	17.5°	3726.1	3772.5	3773.2	3773.8	3732.2	3690.6	3652.5	3614.3	3587.3	3614.3
3718.3	20°	3734.5	3750.7	3701.9	3653.1	3561.3	3469.4	3402.5	3335.7	3294.6	3335.7
3763.0	22.5°	3741.9	3720.7	3619.6	3518.5	3383.4	3248.3	3164.7	3081.1	3035.7	3081.1
3820.5	25°	3753.8	3687.0	3533.5	3380.0	3216.0	3051.9	2964.0	2876.2	2833.3	2876.2
3898.6	27.5°	3779.2	3659.8	3456.5	3253.3	3071.4	2889.6	2803.1	2716.7	2676.1	2716.7
4003.9	30°	3825.9	3648.0	3397.7	3147.5	2958.0	2768.6	2688.4	2608.1	2570.3	2608.1
4128.2	32.5°	3884.4	3640.8	3357.6	3074.5	2896.5	2718.5	2655.5	2592.4	2565.2	2592.4
4279.2	35°	3980.9	3682.7	3387.6	3092.7	2969.0	2845.4	2830.7	2816.0	2813.8	2816.0
4533.5	37.5°	4182.6	3831.6	3563.5	3295.4	3287.4	3279.4	3346.5	3413.7	3448.7	3413.7
4917.7	40°	4536.1	4154.4	3955.0	3755.6	3896.4	4037.1	4200.4	4363.8	4445.1	4363.8
5427.2	42.5°	5048.6	4669.9	4555.1	4440.2	4747.2	5054.1	5351.2	5648.3	5822.8	5648.3
6056.5	45°	5716.3	5376.1	5325.4	5274.7	5766.5	6258.3	6746.5	7234.8	7531.2	7234.8
6843.4	47.5°	6512.5	6181.5	6171.2	6160.9	6870.4	7579.7	8294.4	9008.9	9428.6	9008.9
7874.8	50°	7466.0	7057.4	7059.1	7060.9	7975.2	8889.5	9832.8	10776.2	11346.6	10776.2
9058.8	52.5°	8563.8	8069.0	8018.9	7968.8	9060.9	10153.1	11320.3	12487.4	13171.1	12487.4
10319.3	55°	9830.3	9341.3	9146.2	8951.1	10166.6	11382.0	12773.5	14165.0	14978.1	14165.0
11465.7	57.5°	11199.5	10933.1	10541.8	10150.6	11377.9	12605.2	14181.3	15757.3	16765.6	15757.3
12158.7	60°	12572.3	12985.9	12500.0	12014.1	13175.6	14337.1	16024.5	17712.0	18801.7	17712.0
11806.8	62.5°	12936.9	14067.1	14012.3	13957.5	15021.4	16085.5	17691.0	19296.4	20303.6	19296.4
11102.6	65°	12163.3	13224.0	13433.9	13643.6	14995.8	16348.0	17904.8	19461.5	20319.1	19461.5
10159.0	67.5°	11167.8	12176.6	12275.1	12373.4	13782.2	15191.0	16754.4	18317.9	18989.7	18317.9
9025.4	70°	10122.6	11220.0	11264.0	11308.1	12567.9	13827.7	15173.2	16518.5	16892.0	16518.5
7674.5	72.5°	8933.6	10192.9	10224.6	10256.1	11241.8	12227.5	13235.2	14242.8	14280.6	14242.8
5965.6	75°	7268.8	8572.0	8689.0	8806.1	9572.9	10339.8	11049.2	11758.5	11568.5	11758.5
4262.3	77.5°	5478.8	6695.5	6862.9	7030.4	7613.4	8196.3	8699.4	9202.6	8875.9	9202.6
2789.6	80°	3813.1	4836.5	5044.7	5252.8	5693.1	6133.2	6397.4	6661.6	6136.1	6661.6
1621.6	82.5°	2321.3	3021.1	3253.6	3486.2	3789.2	4092.3	4202.5	4312.6	3899.6	4312.6
713.5	85°	1084.8	1456.2	1654.0	1851.7	2100.7	2349.7	2412.2	2474.8	2144.0	2474.8
220.9	87.5°	345.7	470.5	580.8	691.2	815.7	940.2	945.5	950.8	798.2	950.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
2677.2	0°	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2	2677.2
2955.0	2.5°	2950.4	2941.2	2931.9	2916.4	2900.9	2889.9	2879.0
3301.3	5°	3288.9	3268.4	3247.8	3209.9	3172.1	3133.9	3095.8
3634.5	7.5°	3616.3	3582.7	3549.1	3493.3	3437.6	3375.6	3313.6
3854.9	10°	3837.2	3797.7	3758.1	3692.6	3627.2	3553.9	3480.5
3927.0	12.5°	3917.3	3888.6	3859.8	3800.8	3741.6	3662.2	3582.7
3848.1	15°	3858.3	3857.3	3856.3	3819.1	3782.0	3713.5	3644.9
3652.5	17.5°	3690.6	3732.2	3773.8	3773.2	3772.5	3726.1	3679.8
3402.5	20°	3469.4	3561.3	3653.1	3701.9	3750.7	3734.5	3718.3
3164.7	22.5°	3248.3	3383.4	3518.5	3619.6	3720.7	3741.9	3763.0
2964.0	25°	3051.9	3216.0	3380.0	3533.5	3687.0	3753.8	3820.5
2803.1	27.5°	2889.6	3071.4	3253.3	3456.5	3659.8	3779.2	3898.6
2688.4	30°	2768.6	2958.0	3147.5	3397.7	3648.0	3825.9	4003.9
2655.5	32.5°	2718.5	2896.5	3074.5	3357.6	3640.8	3884.4	4128.2
2830.7	35°	2845.4	2969.0	3092.7	3387.6	3682.7	3980.9	4279.2
3346.5	37.5°	3279.4	3287.4	3295.4	3563.5	3831.6	4182.6	4533.5
4200.4	40°	4037.1	3896.4	3755.6	3955.0	4154.4	4536.1	4917.7
5351.2	42.5°	5054.1	4747.2	4440.2	4555.1	4669.9	5048.6	5427.2
6746.5	45°	6258.3	5766.5	5274.7	5325.4	5376.1	5716.3	6056.5
8294.4	47.5°	7579.7	6870.4	6160.9	6171.2	6181.5	6512.5	6843.4
9832.8	50°	8889.5	7975.2	7060.9	7059.1	7057.4	7466.0	7874.8
11320.3	52.5°	10153.1	9060.9	7968.8	8018.9	8069.0	8563.8	9058.8
12773.5	55°	11382.0	10166.6	8951.1	9146.2	9341.3	9830.3	10319.3
14181.3	57.5°	12605.2	11377.9	10150.6	10541.8	10933.1	11199.5	11465.7
16024.5	60°	14337.1	13175.6	12014.1	12500.0	12985.9	12572.3	12158.7
17691.0	62.5°	16085.5	15021.4	13957.5	14012.3	14067.1	12936.9	11806.8
17904.8	65°	16348.0	14995.8	13643.6	13433.9	13224.0	12163.3	11102.6
16754.4	67.5°	15191.0	13782.2	12373.4	12275.1	12176.6	11167.8	10159.0
15173.2	70°	13827.7	12567.9	11308.1	11264.0	11220.0	10122.6	9025.4
13235.2	72.5°	12227.5	11241.8	10256.1	10224.6	10192.9	8933.6	7674.5
11049.2	75°	10339.8	9572.9	8806.1	8689.0	8572.0	7268.8	5965.6
8699.4	77.5°	8196.3	7613.4	7030.4	6862.9	6695.5	5478.8	4262.3
6397.4	80°	6133.2	5693.1	5252.8	5044.7	4836.5	3813.1	2789.6
4202.5	82.5°	4092.3	3789.2	3486.2	3253.6	3021.1	2321.3	1621.6
2412.2	85°	2349.7	2100.7	1851.7	1654.0	1456.2	1084.8	713.5
945.5	87.5°	940.2	815.7	691.2	580.8	470.5	345.7	220.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)