

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: P947843

Luminaire Tested: **GALN-SB3A-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947843
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-SB3A-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11661 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

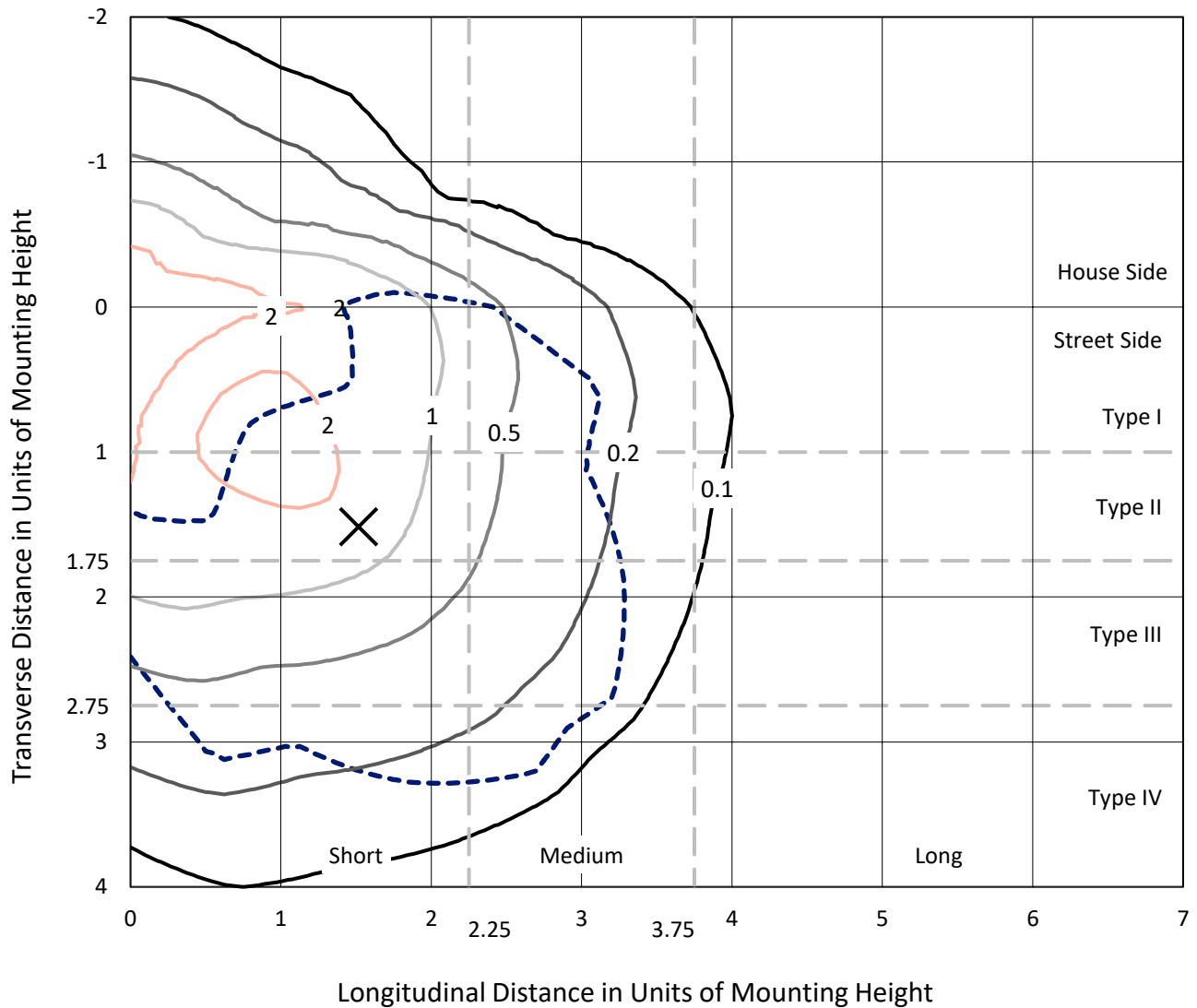
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

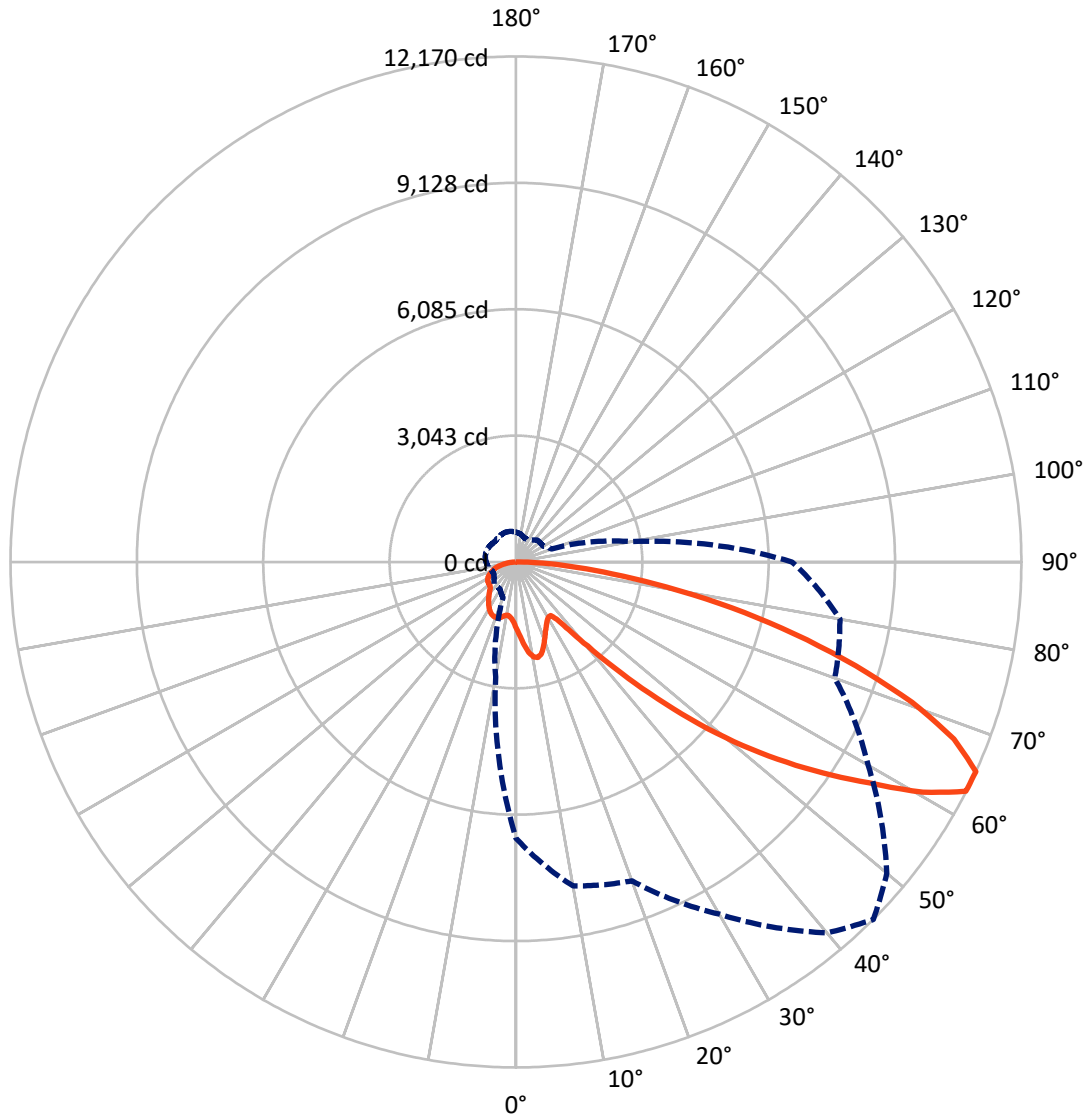
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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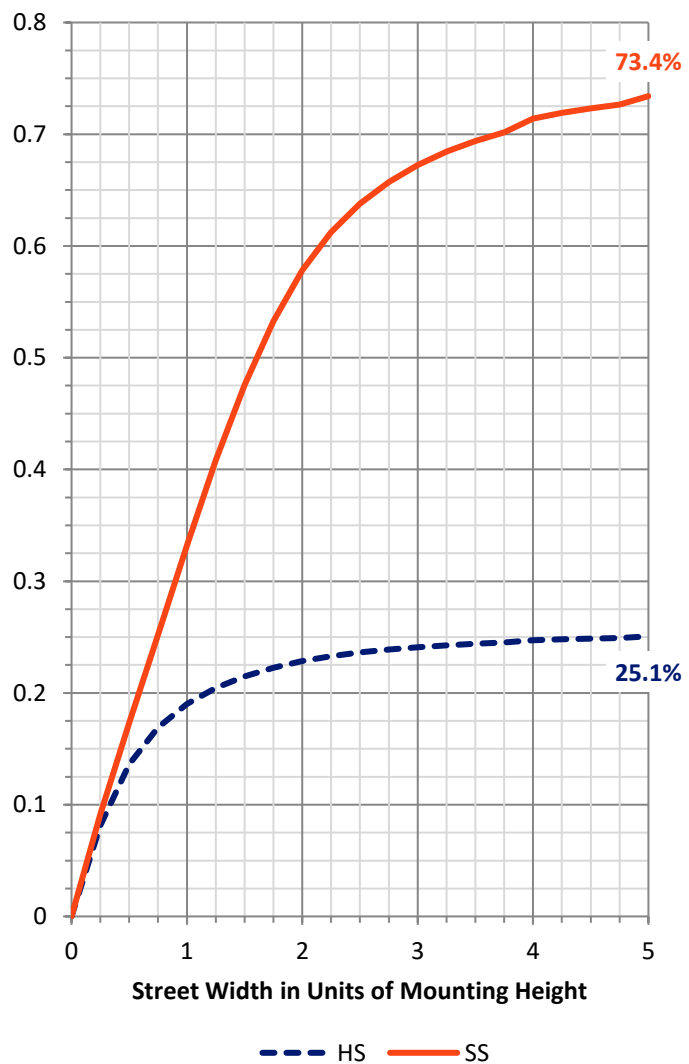
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2963.6	0.0	2963.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8697.4	0.0	8697.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	11661.0	0.0	11661.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.4
10°-20°	499.3	4.3
20°-30°	771.3	6.6
30°-40°	977.4	8.4
40°-50°	1474.2	12.6
50°-60°	2381.8	20.4
60°-70°	2969.3	25.5
70°-80°	1947.1	16.7
80°-90°	481.4	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°	11661.0	100.0
0°-180°	11661.0	100.0

Coefficient of Utilization



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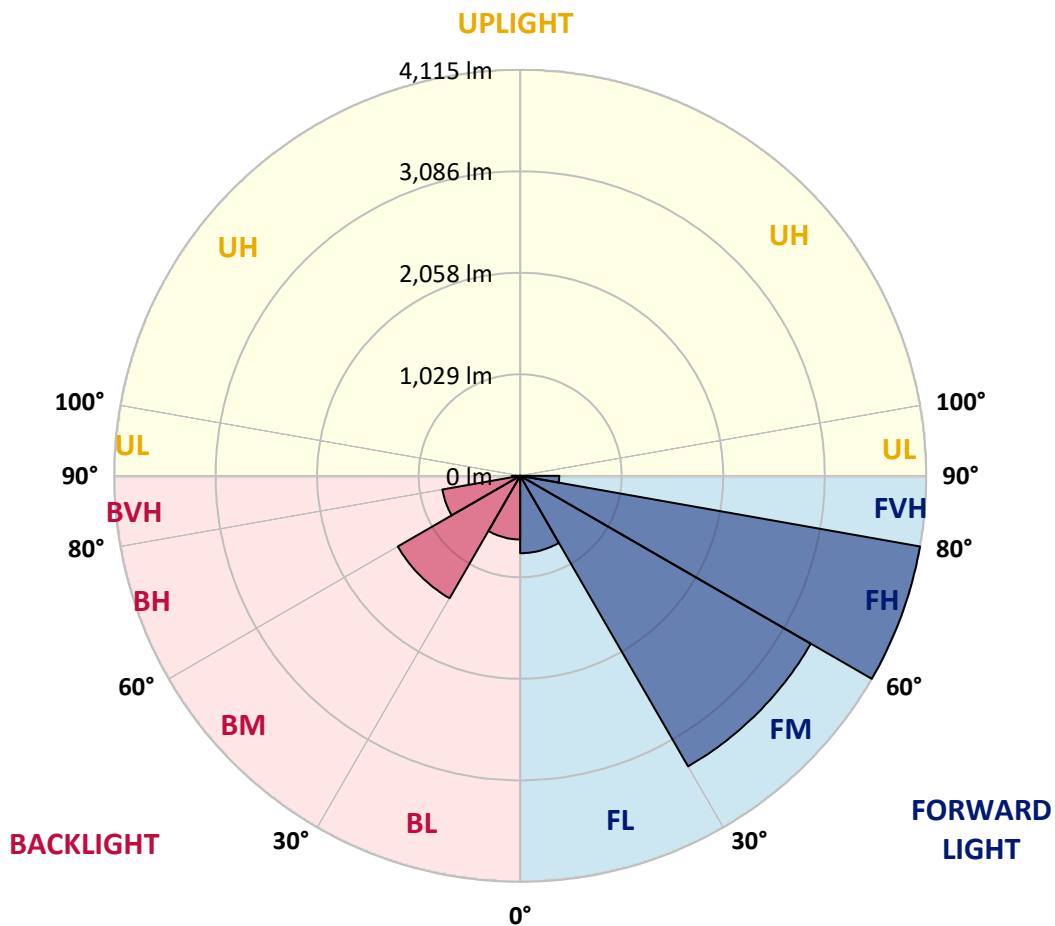
CATALOG NUMBER: GALN-SB3A-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.3	6.7			
FM (30°-60°)	3401.3	29.2			
FH (60°-80°)	4115.2	35.3			G2/5000
FVH (80°-90°)	396.6	3.4			G3/500
BL (0°-30°)	645.4	5.5	B2/1000		
BM (30°-60°)	1432.2	12.3	B2/2500		
BH (60°-80°)	801.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	84.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
2.5°	1724.4	1730.9	1737.5	1746.8	1756.1	1761.6	1767.2	1769.9	1772.7	1771.5
5°	1854.2	1877.1	1899.9	1922.6	1945.3	1957.6	1969.9	1977.3	1984.9	1990.5
7.5°	1984.7	2021.8	2058.9	2092.3	2125.8	2145.9	2166.0	2176.9	2187.7	2193.0
10°	2084.7	2128.6	2172.5	2211.7	2250.9	2274.7	2298.3	2308.9	2319.4	2323.4
12.5°	2145.9	2193.5	2241.1	2276.5	2311.8	2329.1	2346.3	2352.1	2357.9	2358.5
15°	2183.1	2224.2	2265.2	2287.5	2309.7	2310.4	2311.0	2304.8	2298.7	2291.4
17.5°	2204.0	2231.8	2259.5	2260.0	2260.3	2235.4	2210.5	2187.7	2164.8	2148.6
20°	2227.1	2236.8	2246.5	2217.3	2188.0	2133.0	2078.0	2038.0	1997.9	1973.3
22.5°	2253.9	2241.2	2228.5	2168.0	2107.4	2026.5	1945.6	1895.5	1845.4	1818.2
25°	2288.3	2248.3	2208.3	2116.4	2024.5	1926.2	1828.0	1775.3	1722.7	1697.0
27.5°	2335.1	2263.6	2192.0	2070.3	1948.6	1839.6	1730.7	1678.9	1627.2	1602.9
30°	2398.2	2291.5	2185.0	2035.1	1885.2	1771.7	1658.3	1610.2	1562.1	1539.5
32.5°	2472.6	2326.6	2180.6	2011.1	1841.5	1734.9	1628.2	1590.5	1552.7	1536.4
35°	2563.1	2384.4	2205.7	2029.0	1852.4	1778.3	1704.3	1695.5	1686.7	1685.3
37.5°	2715.3	2505.2	2295.0	2134.4	1973.8	1969.0	1964.2	2004.4	2044.7	2065.6
40°	2945.5	2716.9	2488.3	2368.9	2249.4	2333.7	2418.0	2515.9	2613.7	2662.4
42.5°	3250.7	3023.9	2797.1	2728.3	2659.5	2843.3	3027.2	3205.1	3383.1	3487.6
45°	3627.5	3423.8	3220.0	3189.7	3159.3	3453.8	3748.4	4040.8	4333.3	4510.8
47.5°	4098.9	3900.7	3702.4	3696.3	3690.1	4115.0	4539.9	4967.9	5395.9	5647.3
50°	4716.6	4471.8	4227.0	4228.1	4229.1	4776.7	5324.4	5889.4	6454.4	6796.1
52.5°	5425.8	5129.3	4832.9	4803.0	4772.9	5427.1	6081.2	6780.3	7479.4	7888.8
55°	6180.8	5887.9	5595.0	5478.1	5361.3	6089.3	6817.3	7650.7	8484.1	8971.2
57.5°	6867.4	6707.9	6548.4	6314.0	6079.7	6814.8	7549.9	8493.9	9437.9	10041.8
60°	7282.5	7530.2	7778.0	7486.9	7195.9	7891.5	8587.2	9597.9	10608.6	11261.3
62.5°	7071.7	7748.6	8425.5	8392.7	8359.9	8997.1	9634.5	10596.1	11557.6	12160.9
65°	6649.9	7285.2	7920.5	8046.2	8171.9	8981.7	9791.7	10724.1	11656.5	12170.1
67.5°	6084.8	6689.0	7293.2	7352.2	7411.1	8254.9	9098.7	10035.1	10971.5	11373.9
70°	5405.8	6063.0	6720.3	6746.6	6773.0	7527.6	8282.1	9088.0	9893.8	10117.5
72.5°	4596.6	5350.8	6105.1	6124.0	6142.9	6733.3	7323.7	7927.2	8530.7	8553.4
75°	3573.1	4353.7	5134.2	5204.3	5274.4	5733.7	6193.1	6617.9	7042.8	6929.0
77.5°	2552.9	3281.6	4010.3	4110.6	4210.8	4560.0	4909.2	5210.5	5511.9	5316.2
80°	1670.9	2283.9	2896.9	3021.5	3146.2	3409.9	3673.5	3831.8	3990.0	3675.2
82.5°	971.3	1390.3	1809.5	1948.7	2088.0	2269.6	2451.1	2517.1	2583.1	2335.7
85°	427.3	649.8	872.2	990.6	1109.1	1258.2	1407.3	1444.8	1482.3	1284.1
87.5°	132.3	207.1	281.8	347.9	414.0	488.6	563.1	566.3	569.5	478.1
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°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1772.7	2.5°	1769.9	1767.2	1761.6	1756.1	1746.8	1737.5	1730.9	1724.4	1711.2	1697.9
1984.9	5°	1977.3	1969.9	1957.6	1945.3	1922.6	1899.9	1877.1	1854.2	1825.0	1795.8
2187.7	7.5°	2176.9	2166.0	2145.9	2125.8	2092.3	2058.9	2021.8	1984.7	1936.4	1888.3
2319.4	10°	2308.9	2298.3	2274.7	2250.9	2211.7	2172.5	2128.6	2084.7	2023.7	1962.7
2357.9	12.5°	2352.1	2346.3	2329.1	2311.8	2276.5	2241.1	2193.5	2145.9	2078.9	2011.9
2298.7	15°	2304.8	2311.0	2310.4	2309.7	2287.5	2265.2	2224.2	2183.1	2113.3	2043.4
2164.8	17.5°	2187.7	2210.5	2235.4	2260.3	2260.0	2259.5	2231.8	2204.0	2133.2	2062.4
1997.9	20°	2038.0	2078.0	2133.0	2188.0	2217.3	2246.5	2236.8	2227.1	2153.5	2079.9
1845.4	22.5°	1895.5	1945.6	2026.5	2107.4	2168.0	2228.5	2241.2	2253.9	2178.7	2103.4
1722.7	25°	1775.3	1828.0	1926.2	2024.5	2116.4	2208.3	2248.3	2288.3	2214.6	2141.0
1627.2	27.5°	1678.9	1730.7	1839.6	1948.6	2070.3	2192.0	2263.6	2335.1	2264.8	2194.5
1562.1	30°	1610.2	1658.3	1771.7	1885.2	2035.1	2185.0	2291.5	2398.2	2330.2	2262.4
1552.7	32.5°	1590.5	1628.2	1734.9	1841.5	2011.1	2180.6	2326.6	2472.6	2405.4	2338.2
1686.7	35°	1695.5	1704.3	1778.3	1852.4	2029.0	2205.7	2384.4	2563.1	2498.7	2434.3
2044.7	37.5°	2004.4	1964.2	1969.0	1973.8	2134.4	2295.0	2505.2	2715.3	2633.3	2551.2
2613.7	40°	2515.9	2418.0	2333.7	2249.4	2368.9	2488.3	2716.9	2945.5	2825.9	2706.2
3383.1	42.5°	3205.1	3027.2	2843.3	2659.5	2728.3	2797.1	3023.9	3250.7	3078.0	2905.4
4333.3	45°	4040.8	3748.4	3453.8	3159.3	3189.7	3220.0	3423.8	3627.5	3394.6	3161.8
5395.9	47.5°	4967.9	4539.9	4115.0	3690.1	3696.3	3702.4	3900.7	4098.9	3771.1	3443.3
6454.4	50°	5889.4	5324.4	4776.7	4229.1	4228.1	4227.0	4471.8	4716.6	4222.5	3728.3
7479.4	52.5°	6780.3	6081.2	5427.1	4772.9	4803.0	4832.9	5129.3	5425.8	4696.6	3967.5
8484.1	55°	7650.7	6817.3	6089.3	5361.3	5478.1	5595.0	5887.9	6180.8	5117.0	4053.3
9437.9	57.5°	8493.9	7549.9	6814.8	6079.7	6314.0	6548.4	6707.9	6867.4	5414.9	3962.4
10608.6	60°	9597.9	8587.2	7891.5	7195.9	7486.9	7778.0	7530.2	7282.5	5489.4	3696.3
11557.6	62.5°	10596.1	9634.5	8997.1	8359.9	8392.7	8425.5	7748.6	7071.7	5175.9	3280.1
11656.5	65°	10724.1	9791.7	8981.7	8171.9	8046.2	7920.5	7285.2	6649.9	4732.3	2814.7
10971.5	67.5°	10035.1	9098.7	8254.9	7411.1	7352.2	7293.2	6689.0	6084.8	4204.4	2324.1
9893.8	70°	9088.0	8282.1	7527.6	6773.0	6746.6	6720.3	6063.0	5405.8	3628.5	1851.1
8530.7	72.5°	7927.2	7323.7	6733.3	6142.9	6124.0	6105.1	5350.8	4596.6	3004.0	1411.5
7042.8	75°	6617.9	6193.1	5733.7	5274.4	5204.3	5134.2	4353.7	3573.1	2288.3	1003.4
5511.9	77.5°	5210.5	4909.2	4560.0	4210.8	4110.6	4010.3	3281.6	2552.9	1601.6	650.3
3990.0	80°	3831.8	3673.5	3409.9	3146.2	3021.5	2896.9	2283.9	1670.9	1031.9	392.9
2583.1	82.5°	2517.1	2451.1	2269.6	2088.0	1948.7	1809.5	1390.3	971.3	597.2	223.2
1482.3	85°	1444.8	1407.3	1258.2	1109.1	990.6	872.2	649.8	427.3	268.6	110.0
569.5	87.5°	566.3	563.1	488.6	414.0	347.9	281.8	207.1	132.3	88.0	43.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1683.8	2.5°	1669.8	1655.7	1641.5	1628.0	1614.4	1601.3	1586.8	1574.9	1563.2	1552.5
1766.6	5°	1737.5	1708.2	1678.9	1651.5	1624.1	1598.3	1572.7	1550.4	1528.1	1509.4
1843.7	7.5°	1799.2	1755.8	1712.4	1674.2	1636.0	1600.7	1567.7	1538.0	1508.4	1483.8
1903.8	10°	1845.0	1792.3	1739.6	1694.4	1649.1	1605.6	1570.1	1538.9	1507.6	1483.0
1945.2	12.5°	1878.5	1816.4	1754.2	1703.1	1652.0	1606.3	1573.2	1547.6	1522.1	1505.8
1971.1	15°	1898.7	1827.2	1755.6	1696.4	1637.2	1586.6	1560.1	1547.9	1535.7	1537.9
1983.4	17.5°	1904.5	1821.4	1738.4	1667.2	1596.0	1536.4	1520.1	1524.6	1529.0	1555.9
1993.1	20°	1906.3	1805.7	1705.0	1616.8	1528.5	1459.2	1454.9	1475.8	1496.7	1543.3
2006.1	22.5°	1908.8	1786.4	1663.9	1557.6	1451.4	1372.4	1380.9	1411.8	1442.8	1495.9
2029.8	25°	1918.5	1767.3	1616.1	1491.6	1367.2	1286.3	1309.1	1344.8	1380.4	1428.2
2066.7	27.5°	1938.8	1754.5	1570.3	1431.3	1292.3	1218.6	1246.3	1280.8	1315.2	1354.5
2114.5	30°	1966.6	1748.6	1530.4	1380.8	1231.2	1169.4	1191.1	1218.4	1245.9	1278.5
2164.4	32.5°	1990.6	1741.2	1491.6	1337.3	1182.9	1133.1	1142.7	1158.9	1175.1	1201.1
2221.3	35°	2008.2	1727.3	1446.5	1294.5	1142.6	1101.1	1097.1	1101.5	1106.0	1125.9
2284.9	37.5°	2018.7	1703.5	1388.3	1244.2	1100.2	1063.9	1049.2	1044.3	1039.4	1053.7
2365.8	40°	2025.3	1670.7	1316.1	1184.2	1052.2	1019.3	996.8	985.7	974.5	984.8
2471.6	42.5°	2037.8	1636.8	1236.0	1117.9	999.7	969.4	941.1	926.3	911.6	919.9
2610.7	45°	2059.7	1605.4	1151.1	1047.5	943.9	913.1	885.7	871.3	857.0	864.0
2759.0	47.5°	2074.8	1579.4	1084.0	991.8	899.6	859.9	836.3	824.3	812.2	818.8
2896.6	50°	2065.0	1551.1	1037.3	954.8	872.4	820.2	792.8	782.1	771.5	781.8
2986.0	52.5°	2004.4	1503.3	1002.3	930.5	858.7	798.7	760.4	749.8	739.3	754.9
2966.3	55°	1879.1	1424.1	969.0	912.8	856.6	800.8	743.2	726.4	709.8	731.8
2827.7	57.5°	1693.0	1312.3	931.6	891.9	852.2	803.0	732.8	708.5	684.1	707.8
2569.8	60°	1443.4	1167.2	891.1	859.9	828.7	796.2	723.1	691.5	659.9	680.8
2221.1	62.5°	1162.2	993.6	825.0	804.3	783.6	779.6	711.8	672.3	632.8	646.1
1865.4	65°	916.1	837.4	758.7	748.9	739.1	739.6	687.9	645.9	603.9	609.0
1516.9	67.5°	709.6	687.2	664.8	670.3	675.7	674.4	645.3	610.4	575.4	573.8
1194.3	70°	537.5	543.9	550.2	575.6	600.8	600.8	591.3	566.5	541.6	536.1
913.1	72.5°	414.6	433.9	453.2	489.1	525.0	531.0	531.1	514.1	497.0	488.9
662.7	75°	321.9	339.4	356.9	397.1	437.4	465.2	462.8	449.7	436.6	428.8
449.1	77.5°	247.8	259.7	271.7	310.7	349.8	395.6	394.4	383.9	373.4	365.5
289.3	80°	185.8	190.7	195.7	228.8	261.8	316.6	316.4	307.6	298.7	292.1
177.9	82.5°	132.8	133.6	134.6	159.0	183.4	230.1	232.7	228.4	224.1	219.4
95.1	85°	80.3	79.9	79.4	97.2	115.1	149.8	153.2	148.6	144.0	138.8
39.4	87.5°	35.2	34.8	34.3	41.6	48.9	63.4	67.7	65.8	64.0	63.0
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°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1542.0	2.5°	1532.7	1523.4	1514.0	1504.7	1497.5	1490.3	1484.4	1478.6	1474.0	1469.5
1490.8	5°	1474.3	1457.8	1442.8	1427.8	1416.3	1404.7	1396.7	1388.6	1382.9	1377.2
1459.2	7.5°	1438.5	1417.7	1399.3	1381.1	1367.3	1353.7	1344.1	1334.5	1327.9	1321.4
1458.4	10°	1436.1	1413.7	1393.1	1372.4	1356.1	1339.6	1328.9	1318.1	1311.9	1305.7
1489.5	12.5°	1471.9	1454.5	1433.1	1411.8	1390.9	1370.0	1356.1	1342.3	1335.3	1328.4
1540.1	15°	1535.6	1531.0	1512.5	1494.0	1464.2	1434.4	1413.4	1392.3	1382.7	1373.1
1582.7	17.5°	1597.0	1611.2	1596.2	1581.3	1541.9	1502.5	1471.4	1440.4	1426.2	1411.8
1590.0	20°	1619.8	1649.6	1642.7	1635.8	1590.7	1545.6	1507.6	1469.7	1451.4	1433.0
1549.2	22.5°	1588.0	1626.9	1631.1	1635.2	1592.1	1549.0	1509.9	1470.7	1451.4	1432.1
1476.1	25°	1514.3	1552.5	1566.8	1581.0	1545.7	1510.5	1475.6	1440.9	1424.2	1407.5
1393.8	27.5°	1424.4	1455.1	1471.0	1486.9	1461.7	1436.6	1409.6	1382.6	1371.4	1360.1
1311.1	30°	1336.5	1362.0	1374.9	1387.8	1368.7	1349.5	1330.2	1310.7	1305.0	1299.2
1227.2	32.5°	1251.6	1276.0	1290.4	1304.8	1287.2	1269.5	1254.1	1238.6	1234.9	1231.1
1145.7	35°	1169.8	1194.0	1211.2	1228.5	1215.9	1203.4	1189.1	1174.9	1169.2	1163.5
1067.9	37.5°	1091.9	1116.0	1137.3	1158.6	1152.8	1147.1	1133.9	1120.8	1110.4	1100.0
995.1	40°	1018.3	1041.6	1066.1	1090.6	1092.0	1093.4	1082.3	1071.1	1056.0	1041.0
928.4	42.5°	950.4	972.5	998.9	1025.4	1032.5	1039.6	1030.1	1020.8	1002.0	983.3
871.2	45°	892.1	913.0	940.4	967.9	978.0	988.2	979.7	971.3	949.8	928.4
825.4	47.5°	845.9	866.4	893.4	920.5	932.2	943.9	938.0	932.1	913.0	893.9
792.2	50°	811.5	830.8	855.0	879.3	894.3	909.3	908.9	908.7	893.4	878.2
770.4	52.5°	788.1	805.7	828.3	851.0	868.8	886.5	889.7	892.9	880.5	868.1
753.9	55°	772.9	792.0	811.8	831.6	850.4	869.3	873.7	878.2	867.3	856.5
731.6	57.5°	754.0	776.4	796.0	815.6	834.6	853.6	858.0	862.5	851.6	840.6
701.6	60°	727.3	753.0	772.9	792.8	811.9	831.0	835.9	840.8	830.1	819.5
659.3	62.5°	689.3	719.3	740.5	761.7	779.2	796.7	801.4	806.2	796.5	786.9
614.1	65°	646.2	678.4	698.7	719.0	734.4	749.8	754.6	759.4	750.1	740.8
572.2	67.5°	601.9	631.6	650.9	670.1	683.4	696.6	701.4	706.1	697.5	689.0
530.5	70°	556.6	582.7	599.3	615.9	627.9	639.9	644.5	649.0	642.1	635.1
480.9	72.5°	501.4	521.9	536.9	551.9	563.7	575.4	580.8	586.3	580.5	574.7
421.0	75°	436.3	451.5	465.1	478.7	489.4	500.1	505.8	511.4	508.6	505.8
357.6	77.5°	370.0	382.4	394.1	405.8	417.1	428.3	433.5	438.8	434.9	430.8
285.5	80°	295.8	306.1	316.0	325.8	334.4	342.8	349.9	356.9	355.2	353.5
214.7	82.5°	213.9	213.0	209.6	206.1	224.3	242.6	254.5	266.4	265.7	264.9
133.5	85°	129.1	124.6	115.1	105.5	122.6	139.7	154.4	169.2	168.0	166.7
62.0	87.5°	61.8	61.7	54.4	47.1	54.2	61.4	67.4	73.3	71.9	70.3
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°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1465.3	2.5°	1461.0	1455.8	1461.0	1465.3	1469.5	1474.0	1478.6	1484.4	1490.3	1497.5
1372.8	5°	1368.4	1364.1	1368.4	1372.8	1377.2	1382.9	1388.6	1396.7	1404.7	1416.3
1317.4	7.5°	1313.6	1310.6	1313.6	1317.4	1321.4	1327.9	1334.5	1344.1	1353.7	1367.3
1302.4	10°	1299.0	1297.7	1299.0	1302.4	1305.7	1311.9	1318.1	1328.9	1339.6	1356.1
1325.6	12.5°	1322.8	1322.3	1322.8	1325.6	1328.4	1335.3	1342.3	1356.1	1370.0	1390.9
1369.4	15°	1365.7	1365.4	1365.7	1369.4	1373.1	1382.7	1392.3	1413.4	1434.4	1464.2
1407.1	17.5°	1402.4	1401.7	1402.4	1407.1	1411.8	1426.2	1440.4	1471.4	1502.5	1541.9
1427.2	20°	1421.4	1419.5	1421.4	1427.2	1433.0	1451.4	1469.7	1507.6	1545.6	1590.7
1425.7	22.5°	1419.2	1416.4	1419.2	1425.7	1432.1	1451.4	1470.7	1509.9	1549.0	1592.1
1401.4	25°	1395.4	1391.8	1395.4	1401.4	1407.5	1424.2	1440.9	1475.6	1510.5	1545.7
1357.4	27.5°	1354.6	1353.7	1354.6	1357.4	1360.1	1371.4	1382.6	1409.6	1436.6	1461.7
1299.2	30°	1299.2	1300.1	1299.2	1299.2	1299.2	1305.0	1310.7	1330.2	1349.5	1368.7
1231.6	32.5°	1232.2	1233.1	1232.2	1231.6	1231.1	1234.9	1238.6	1254.1	1269.5	1287.2
1162.3	35°	1161.1	1160.5	1161.1	1162.3	1163.5	1169.2	1174.9	1189.1	1203.4	1215.9
1094.6	37.5°	1089.1	1086.0	1089.1	1094.6	1100.0	1110.4	1120.8	1133.9	1147.1	1152.8
1030.8	40°	1020.7	1014.6	1020.7	1030.8	1041.0	1056.0	1071.1	1082.3	1093.4	1092.0
968.4	42.5°	953.6	943.9	953.6	968.4	983.3	1002.0	1020.8	1030.1	1039.6	1032.5
911.0	45°	893.5	882.3	893.5	911.0	928.4	949.8	971.3	979.7	988.2	978.0
877.8	47.5°	861.7	851.0	861.7	877.8	893.9	913.0	932.1	938.0	943.9	932.2
863.3	50°	848.4	838.0	848.4	863.3	878.2	893.4	908.7	908.9	909.3	894.3
854.7	52.5°	841.4	831.9	841.4	854.7	868.1	880.5	892.9	889.7	886.5	868.8
844.8	55°	833.1	824.5	833.1	844.8	856.5	867.3	878.2	873.7	869.3	850.4
829.1	57.5°	817.4	808.5	817.4	829.1	840.6	851.6	862.5	858.0	853.6	834.6
807.5	60°	795.6	786.4	795.6	807.5	819.5	830.1	840.8	835.9	831.0	811.9
774.3	62.5°	761.7	750.7	761.7	774.3	786.9	796.5	806.2	801.4	796.7	779.2
728.6	65°	716.5	707.0	716.5	728.6	740.8	750.1	759.4	754.6	749.8	734.4
677.7	67.5°	666.4	657.8	666.4	677.7	689.0	697.5	706.1	701.4	696.6	683.4
624.3	70°	613.5	603.6	613.5	624.3	635.1	642.1	649.0	644.5	639.9	627.9
564.4	72.5°	554.1	544.5	554.1	564.4	574.7	580.5	586.3	580.8	575.4	563.7
497.1	75°	488.4	479.3	488.4	497.1	505.8	508.6	511.4	505.8	500.1	489.4
422.1	77.5°	413.4	406.1	413.4	422.1	430.8	434.9	438.8	433.5	428.3	417.1
341.7	80°	329.9	316.3	329.9	341.7	353.5	355.2	356.9	349.9	342.8	334.4
255.0	82.5°	245.0	236.3	245.0	255.0	264.9	265.7	266.4	254.5	242.6	224.3
159.0	85°	151.2	143.4	151.2	159.0	166.7	168.0	169.2	154.4	139.7	122.6
66.3	87.5°	62.3	58.5	62.3	66.3	70.3	71.9	73.3	67.4	61.4	54.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1504.7	2.5°	1514.0	1523.4	1532.7	1542.0	1552.5	1563.2	1574.9	1586.8	1601.3	1614.4
1427.8	5°	1442.8	1457.8	1474.3	1490.8	1509.4	1528.1	1550.4	1572.7	1598.3	1624.1
1381.1	7.5°	1399.3	1417.7	1438.5	1459.2	1483.8	1508.4	1538.0	1567.7	1600.7	1636.0
1372.4	10°	1393.1	1413.7	1436.1	1458.4	1483.0	1507.6	1538.9	1570.1	1605.6	1649.1
1411.8	12.5°	1433.1	1454.5	1471.9	1489.5	1505.8	1522.1	1547.6	1573.2	1606.3	1652.0
1494.0	15°	1512.5	1531.0	1535.6	1540.1	1537.9	1535.7	1547.9	1560.1	1586.6	1637.2
1581.3	17.5°	1596.2	1611.2	1597.0	1582.7	1555.9	1529.0	1524.6	1520.1	1536.4	1596.0
1635.8	20°	1642.7	1649.6	1619.8	1590.0	1543.3	1496.7	1475.8	1454.9	1459.2	1528.5
1635.2	22.5°	1631.1	1626.9	1588.0	1549.2	1495.9	1442.8	1411.8	1380.9	1372.4	1451.4
1581.0	25°	1566.8	1552.5	1514.3	1476.1	1428.2	1380.4	1344.8	1309.1	1286.3	1367.2
1486.9	27.5°	1471.0	1455.1	1424.4	1393.8	1354.5	1315.2	1280.8	1246.3	1218.6	1292.3
1387.8	30°	1374.9	1362.0	1336.5	1311.1	1278.5	1245.9	1218.4	1191.1	1169.4	1231.2
1304.8	32.5°	1290.4	1276.0	1251.6	1227.2	1201.1	1175.1	1158.9	1142.7	1133.1	1182.9
1228.5	35°	1211.2	1194.0	1169.8	1145.7	1125.9	1106.0	1101.5	1097.1	1101.1	1142.6
1158.6	37.5°	1137.3	1116.0	1091.9	1067.9	1053.7	1039.4	1044.3	1049.2	1063.9	1100.2
1090.6	40°	1066.1	1041.6	1018.3	995.1	984.8	974.5	985.7	996.8	1019.3	1052.2
1025.4	42.5°	998.9	972.5	950.4	928.4	919.9	911.6	926.3	941.1	969.4	999.7
967.9	45°	940.4	913.0	892.1	871.2	864.0	857.0	871.3	885.7	913.1	943.9
920.5	47.5°	893.4	866.4	845.9	825.4	818.8	812.2	824.3	836.3	859.9	899.6
879.3	50°	855.0	830.8	811.5	792.2	781.8	771.5	782.1	792.8	820.2	872.4
851.0	52.5°	828.3	805.7	788.1	770.4	754.9	739.3	749.8	760.4	798.7	858.7
831.6	55°	811.8	792.0	772.9	753.9	731.8	709.8	726.4	743.2	800.8	856.6
815.6	57.5°	796.0	776.4	754.0	731.6	707.8	684.1	708.5	732.8	803.0	852.2
792.8	60°	772.9	753.0	727.3	701.6	680.8	659.9	691.5	723.1	796.2	828.7
761.7	62.5°	740.5	719.3	689.3	659.3	646.1	632.8	672.3	711.8	779.6	783.6
719.0	65°	698.7	678.4	646.2	614.1	609.0	603.9	645.9	687.9	739.6	739.1
670.1	67.5°	650.9	631.6	601.9	572.2	573.8	575.4	610.4	645.3	674.4	675.7
615.9	70°	599.3	582.7	556.6	530.5	536.1	541.6	566.5	591.3	600.8	600.8
551.9	72.5°	536.9	521.9	501.4	480.9	488.9	497.0	514.1	531.1	531.0	525.0
478.7	75°	465.1	451.5	436.3	421.0	428.8	436.6	449.7	462.8	465.2	437.4
405.8	77.5°	394.1	382.4	370.0	357.6	365.5	373.4	383.9	394.4	395.6	349.8
325.8	80°	316.0	306.1	295.8	285.5	292.1	298.7	307.6	316.4	316.6	261.8
206.1	82.5°	209.6	213.0	213.9	214.7	219.4	224.1	228.4	232.7	230.1	183.4
105.5	85°	115.1	124.6	129.1	133.5	138.8	144.0	148.6	153.2	149.8	115.1
47.1	87.5°	54.4	61.7	61.8	62.0	63.0	64.0	65.8	67.7	63.4	48.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
1603.5	0°	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5	1603.5
1628.0	2.5°	1641.5	1655.7	1669.8	1683.8	1697.9	1711.2	1724.4
1651.5	5°	1678.9	1708.2	1737.5	1766.6	1795.8	1825.0	1854.2
1674.2	7.5°	1712.4	1755.8	1799.2	1843.7	1888.3	1936.4	1984.7
1694.4	10°	1739.6	1792.3	1845.0	1903.8	1962.7	2023.7	2084.7
1703.1	12.5°	1754.2	1816.4	1878.5	1945.2	2011.9	2078.9	2145.9
1696.4	15°	1755.6	1827.2	1898.7	1971.1	2043.4	2113.3	2183.1
1667.2	17.5°	1738.4	1821.4	1904.5	1983.4	2062.4	2133.2	2204.0
1616.8	20°	1705.0	1805.7	1906.3	1993.1	2079.9	2153.5	2227.1
1557.6	22.5°	1663.9	1786.4	1908.8	2006.1	2103.4	2178.7	2253.9
1491.6	25°	1616.1	1767.3	1918.5	2029.8	2141.0	2214.6	2288.3
1431.3	27.5°	1570.3	1754.5	1938.8	2066.7	2194.5	2264.8	2335.1
1380.8	30°	1530.4	1748.6	1966.6	2114.5	2262.4	2330.2	2398.2
1337.3	32.5°	1491.6	1741.2	1990.6	2164.4	2338.2	2405.4	2472.6
1294.5	35°	1446.5	1727.3	2008.2	2221.3	2434.3	2498.7	2563.1
1244.2	37.5°	1388.3	1703.5	2018.7	2284.9	2551.2	2633.3	2715.3
1184.2	40°	1316.1	1670.7	2025.3	2365.8	2706.2	2825.9	2945.5
1117.9	42.5°	1236.0	1636.8	2037.8	2471.6	2905.4	3078.0	3250.7
1047.5	45°	1151.1	1605.4	2059.7	2610.7	3161.8	3394.6	3627.5
991.8	47.5°	1084.0	1579.4	2074.8	2759.0	3443.3	3771.1	4098.9
954.8	50°	1037.3	1551.1	2065.0	2896.6	3728.3	4222.5	4716.6
930.5	52.5°	1002.3	1503.3	2004.4	2986.0	3967.5	4696.6	5425.8
912.8	55°	969.0	1424.1	1879.1	2966.3	4053.3	5117.0	6180.8
891.9	57.5°	931.6	1312.3	1693.0	2827.7	3962.4	5414.9	6867.4
859.9	60°	891.1	1167.2	1443.4	2569.8	3696.3	5489.4	7282.5
804.3	62.5°	825.0	993.6	1162.2	2221.1	3280.1	5175.9	7071.7
748.9	65°	758.7	837.4	916.1	1865.4	2814.7	4732.3	6649.9
670.3	67.5°	664.8	687.2	709.6	1516.9	2324.1	4204.4	6084.8
575.6	70°	550.2	543.9	537.5	1194.3	1851.1	3628.5	5405.8
489.1	72.5°	453.2	433.9	414.6	913.1	1411.5	3004.0	4596.6
397.1	75°	356.9	339.4	321.9	662.7	1003.4	2288.3	3573.1
310.7	77.5°	271.7	259.7	247.8	449.1	650.3	1601.6	2552.9
228.8	80°	195.7	190.7	185.8	289.3	392.9	1031.9	1670.9
159.0	82.5°	134.6	133.6	132.8	177.9	223.2	597.2	971.3
97.2	85°	79.4	79.9	80.3	95.1	110.0	268.6	427.3
41.6	87.5°	34.3	34.8	35.2	39.4	43.7	88.0	132.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)