

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: P947171

Luminaire Tested: **GALN-SB2C-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947171
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-SB2C-835-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13842 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

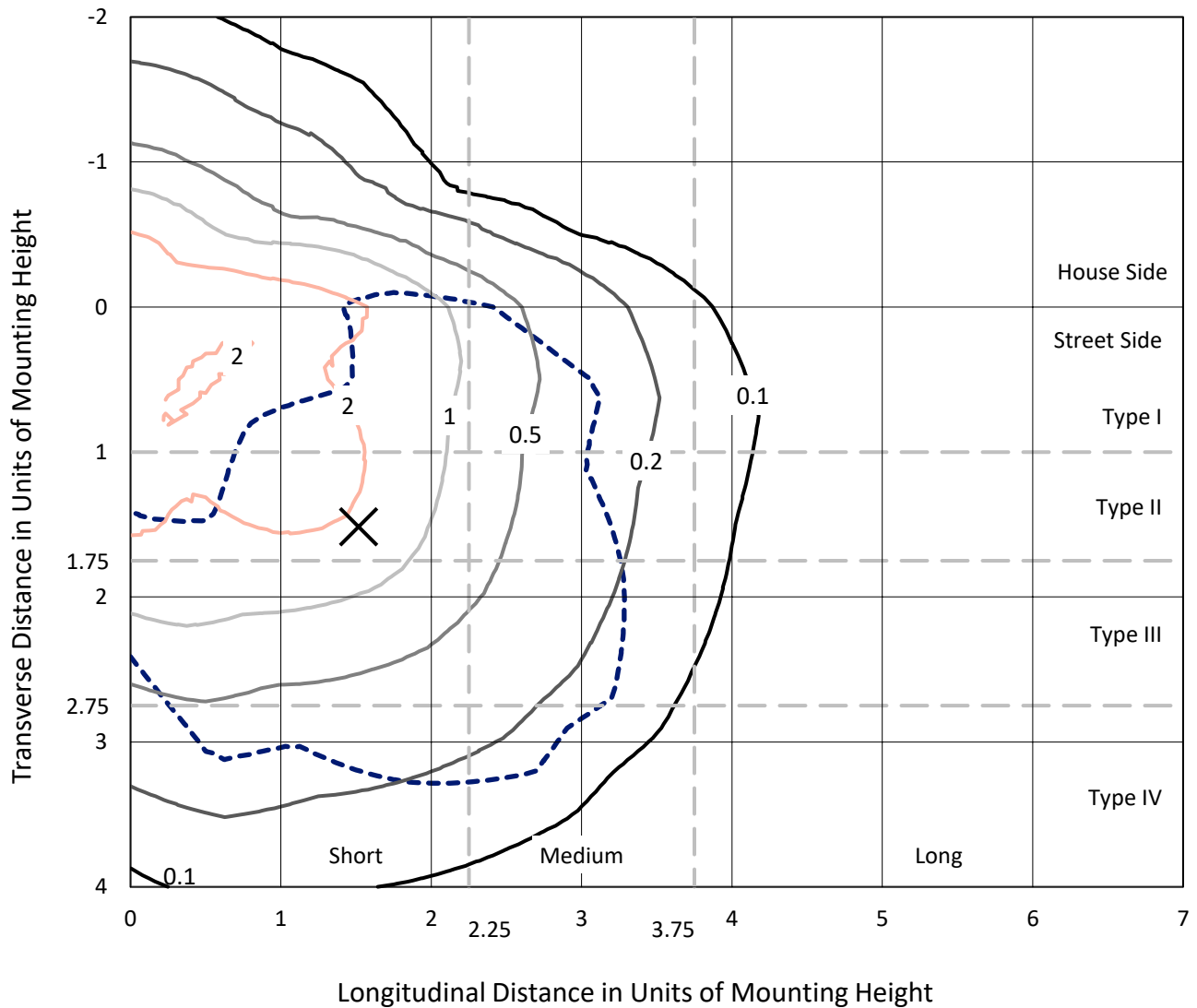
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

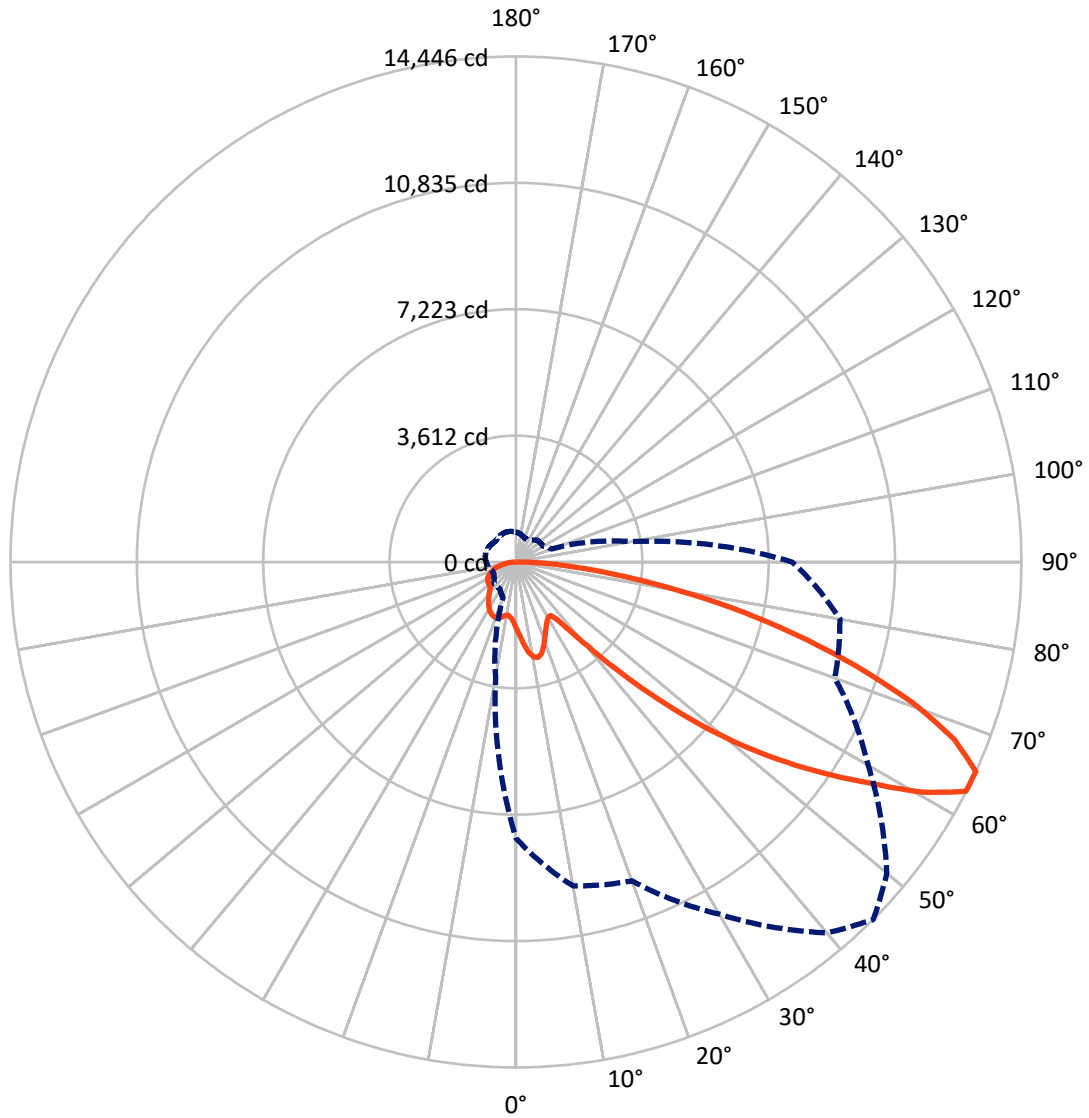
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	3517.9	0.0	3517.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10324.1	0.0	10324.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	13842.0	0.0	13842.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	1.4
10°-20°	592.7	4.3
20°-30°	915.6	6.6
30°-40°	1160.2	8.4
40°-50°	1749.9	12.6
50°-60°	2827.3	20.4
60°-70°	3524.7	25.5
70°-80°	2311.3	16.7
80°-90°	571.4	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°	13842.0	100.0
0°-180°	13842.0	100.0



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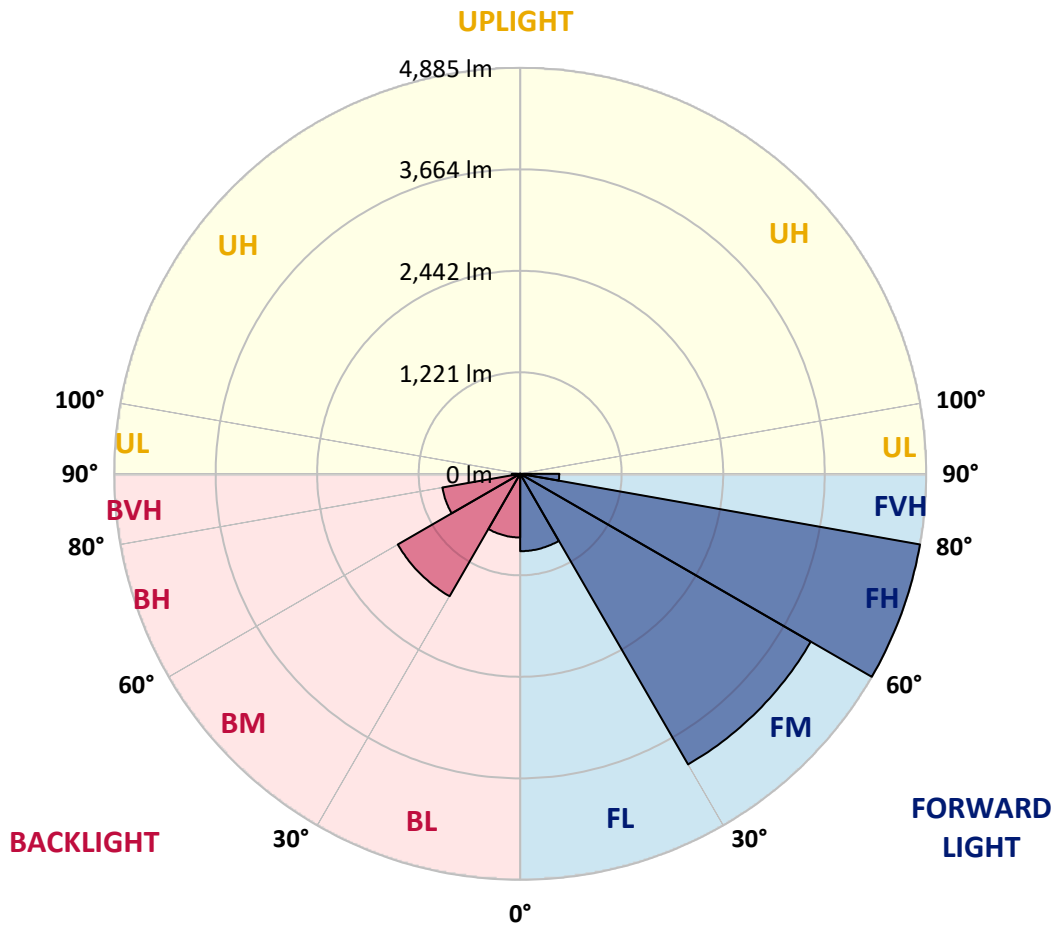
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.0	6.7			
FM (30°-60°)	4037.4	29.2			
FH (60°-80°)	4884.9	35.3			G2/5000
FVH (80°-90°)	470.7	3.4			G3/500
BL (0°-30°)	766.1	5.5	B2/1000		
BM (30°-60°)	1700.1	12.3	B2/2500		
BH (60°-80°)	951.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	100.7	0.7			G2/225
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°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
2.5°	2046.9	2054.7	2062.5	2073.5	2084.5	2091.1	2097.7	2101.0	2104.3	2102.8
5°	2201.0	2228.1	2255.3	2282.2	2309.1	2323.7	2338.3	2347.2	2356.1	2362.8
7.5°	2355.9	2400.0	2444.0	2483.7	2523.3	2547.2	2571.1	2584.0	2596.9	2603.1
10°	2474.6	2526.7	2578.9	2625.4	2671.9	2700.1	2728.1	2740.7	2753.2	2757.9
12.5°	2547.2	2603.8	2660.2	2702.3	2744.2	2764.7	2785.1	2792.0	2798.9	2799.6
15°	2591.4	2640.2	2688.9	2715.3	2741.7	2742.5	2743.2	2735.9	2728.6	2720.0
17.5°	2616.3	2649.2	2682.1	2682.6	2683.1	2653.5	2623.9	2596.8	2569.7	2550.5
20°	2643.6	2655.1	2666.7	2632.0	2597.3	2532.0	2466.7	2419.1	2371.6	2342.4
22.5°	2675.4	2660.4	2645.3	2573.5	2501.6	2405.5	2309.5	2250.0	2190.6	2158.3
25°	2716.3	2668.8	2621.4	2512.2	2403.1	2286.5	2169.8	2107.3	2044.9	2014.4
27.5°	2771.8	2687.0	2602.0	2457.5	2313.0	2183.7	2054.4	1992.9	1931.5	1902.7
30°	2846.7	2720.1	2593.6	2415.7	2237.8	2103.1	1968.4	1911.4	1854.3	1827.4
32.5°	2935.1	2761.7	2588.5	2387.2	2185.9	2059.3	1932.8	1888.0	1843.1	1823.8
35°	3042.4	2830.3	2618.3	2408.5	2198.8	2110.9	2023.0	2012.6	2002.1	2000.5
37.5°	3223.2	2973.7	2724.2	2533.6	2342.9	2337.2	2331.5	2379.3	2427.1	2451.9
40°	3496.4	3225.0	2953.7	2811.9	2670.2	2770.2	2870.3	2986.4	3102.5	3160.4
42.5°	3858.6	3589.4	3320.2	3238.5	3156.9	3375.1	3593.4	3804.6	4015.8	4139.8
45°	4306.0	4064.2	3822.3	3786.3	3750.2	4099.8	4449.5	4796.6	5143.8	5354.5
47.5°	4865.5	4630.2	4394.9	4387.6	4380.3	4884.7	5389.0	5897.1	6405.1	6703.5
50°	5598.8	5308.2	5017.6	5018.9	5020.1	5670.2	6320.2	6990.9	7661.6	8067.1
52.5°	6440.6	6088.7	5736.8	5701.3	5665.6	6442.1	7218.6	8048.5	8878.2	9364.3
55°	7336.8	6989.1	6641.4	6502.7	6364.0	7228.2	8092.3	9081.7	10071.0	10649.1
57.5°	8151.9	7962.6	7773.2	7495.0	7216.8	8089.4	8962.0	10082.6	11203.1	11920.0
60°	8644.5	8938.6	9232.7	8887.2	8541.8	9367.5	10193.3	11393.0	12592.8	13367.6
62.5°	8394.4	9197.9	10001.4	9962.4	9923.4	10679.9	11436.4	12577.9	13719.3	14435.4
65°	7893.7	8647.8	9401.9	9551.2	9700.3	10661.6	11623.0	12729.9	13836.6	14446.4
67.5°	7222.8	7940.1	8657.3	8727.3	8797.2	9798.8	10800.4	11912.0	13023.6	13501.2
70°	6416.8	7197.0	7977.2	8008.4	8039.8	8935.5	9831.2	10787.8	11744.3	12009.8
72.5°	5456.4	6351.6	7246.9	7269.4	7291.8	7992.6	8693.5	9409.9	10126.3	10153.1
75°	4241.4	5167.9	6094.5	6177.7	6260.9	6806.1	7351.4	7855.7	8360.0	8224.9
77.5°	3030.4	3895.3	4760.3	4879.4	4998.4	5412.9	5827.4	6185.1	6542.8	6310.6
80°	1983.4	2711.1	3438.7	3586.6	3734.6	4047.7	4360.6	4548.4	4736.2	4362.6
82.5°	1152.9	1650.4	2147.9	2313.2	2478.6	2694.0	2909.5	2987.9	3066.2	2772.6
85°	507.3	771.3	1035.3	1175.9	1316.5	1493.6	1670.5	1715.0	1759.5	1524.3
87.5°	157.0	245.8	334.5	413.0	491.4	579.9	668.5	672.3	676.0	567.5
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°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
2104.3	2.5°	2101.0	2097.7	2091.1	2084.5	2073.5	2062.5	2054.7	2046.9	2031.2	2015.5
2356.1	5°	2347.2	2338.3	2323.7	2309.1	2282.2	2255.3	2228.1	2201.0	2166.3	2131.6
2596.9	7.5°	2584.0	2571.1	2547.2	2523.3	2483.7	2444.0	2400.0	2355.9	2298.6	2241.4
2753.2	10°	2740.7	2728.1	2700.1	2671.9	2625.4	2578.9	2526.7	2474.6	2402.2	2329.8
2798.9	12.5°	2792.0	2785.1	2764.7	2744.2	2702.3	2660.2	2603.8	2547.2	2467.7	2388.2
2728.6	15°	2735.9	2743.2	2742.5	2741.7	2715.3	2688.9	2640.2	2591.4	2508.5	2425.6
2569.7	17.5°	2596.8	2623.9	2653.5	2683.1	2682.6	2682.1	2649.2	2616.3	2532.2	2448.1
2371.6	20°	2419.1	2466.7	2532.0	2597.3	2632.0	2666.7	2655.1	2643.6	2556.3	2468.9
2190.6	22.5°	2250.0	2309.5	2405.5	2501.6	2573.5	2645.3	2660.4	2675.4	2586.2	2496.8
2044.9	25°	2107.3	2169.8	2286.5	2403.1	2512.2	2621.4	2668.8	2716.3	2628.8	2541.4
1931.5	27.5°	1992.9	2054.4	2183.7	2313.0	2457.5	2602.0	2687.0	2771.8	2688.4	2604.9
1854.3	30°	1911.4	1968.4	2103.1	2237.8	2415.7	2593.6	2720.1	2846.7	2766.1	2685.5
1843.1	32.5°	1888.0	1932.8	2059.3	2185.9	2387.2	2588.5	2761.7	2935.1	2855.2	2775.5
2002.1	35°	2012.6	2023.0	2110.9	2198.8	2408.5	2618.3	2830.3	3042.4	2966.0	2889.6
2427.1	37.5°	2379.3	2331.5	2337.2	2342.9	2533.6	2724.2	2973.7	3223.2	3125.8	3028.3
3102.5	40°	2986.4	2870.3	2770.2	2670.2	2811.9	2953.7	3225.0	3496.4	3354.4	3212.4
4015.8	42.5°	3804.6	3593.4	3375.1	3156.9	3238.5	3320.2	3589.4	3858.6	3653.7	3448.8
5143.8	45°	4796.6	4449.5	4099.8	3750.2	3786.3	3822.3	4064.2	4306.0	4029.6	3753.1
6405.1	47.5°	5897.1	5389.0	4884.7	4380.3	4387.6	4394.9	4630.2	4865.5	4476.4	4087.3
7661.6	50°	6990.9	6320.2	5670.2	5020.1	5018.9	5017.6	5308.2	5598.8	5012.2	4425.6
8878.2	52.5°	8048.5	7218.6	6442.1	5665.6	5701.3	5736.8	6088.7	6440.6	5575.1	4709.5
10071.0	55°	9081.7	8092.3	7228.2	6364.0	6502.7	6641.4	6989.1	7336.8	6074.1	4811.4
11203.1	57.5°	10082.6	8962.0	8089.4	7216.8	7495.0	7773.2	7962.6	8151.9	6427.7	4703.6
12592.8	60°	11393.0	10193.3	9367.5	8541.8	8887.2	9232.7	8938.6	8644.5	6516.1	4387.6
13719.3	62.5°	12577.9	11436.4	10679.9	9923.4	9962.4	10001.4	9197.9	8394.4	6144.0	3893.6
13836.6	65°	12729.9	11623.0	10661.6	9700.3	9551.2	9401.9	8647.8	7893.7	5617.4	3341.2
13023.6	67.5°	11912.0	10800.4	9798.8	8797.2	8727.3	8657.3	7940.1	7222.8	4990.8	2758.8
11744.3	70°	10787.8	9831.2	8935.5	8039.8	8008.4	7977.2	7197.0	6416.8	4307.1	2197.4
10126.3	72.5°	9409.9	8693.5	7992.6	7291.8	7269.4	7246.9	6351.6	5456.4	3565.9	1675.5
8360.0	75°	7855.7	7351.4	6806.1	6260.9	6177.7	6094.5	5167.9	4241.4	2716.2	1191.1
6542.8	77.5°	6185.1	5827.4	5412.9	4998.4	4879.4	4760.3	3895.3	3030.4	1901.1	771.9
4736.2	80°	4548.4	4360.6	4047.7	3734.6	3586.6	3438.7	2711.1	1983.4	1224.9	466.4
3066.2	82.5°	2987.9	2909.5	2694.0	2478.6	2313.2	2147.9	1650.4	1152.9	708.9	265.0
1759.5	85°	1715.0	1670.5	1493.6	1316.5	1175.9	1035.3	771.3	507.3	318.9	130.6
676.0	87.5°	672.3	668.5	579.9	491.4	413.0	334.5	245.8	157.0	104.4	51.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
1998.8	2.5°	1982.1	1965.3	1948.5	1932.5	1916.4	1900.8	1883.5	1869.5	1855.6	1842.9
2097.0	5°	2062.5	2027.6	1992.9	1960.4	1927.9	1897.2	1866.9	1840.4	1813.9	1791.7
2188.5	7.5°	2135.7	2084.2	2032.7	1987.3	1942.0	1900.1	1860.9	1825.7	1790.5	1761.3
2259.9	10°	2190.1	2127.6	2065.0	2011.3	1957.6	1906.0	1863.8	1826.7	1789.6	1760.4
2309.1	12.5°	2229.9	2156.1	2082.3	2021.6	1960.9	1906.7	1867.5	1837.1	1806.8	1787.4
2339.7	15°	2253.8	2168.9	2083.9	2013.7	1943.4	1883.3	1851.9	1837.4	1822.9	1825.5
2354.4	17.5°	2260.7	2162.1	2063.5	1979.0	1894.5	1823.8	1804.4	1809.8	1815.0	1846.9
2365.9	20°	2262.9	2143.4	2023.9	1919.2	1814.4	1732.1	1727.0	1751.8	1776.7	1832.0
2381.4	22.5°	2265.8	2120.5	1975.1	1849.0	1722.8	1629.1	1639.1	1675.9	1712.6	1775.7
2409.4	25°	2277.4	2097.8	1918.4	1770.6	1622.9	1526.9	1553.9	1596.3	1638.6	1695.4
2453.2	27.5°	2301.5	2082.7	1864.0	1699.0	1534.0	1446.5	1479.4	1520.3	1561.2	1607.9
2510.0	30°	2334.5	2075.6	1816.6	1639.1	1461.5	1388.1	1413.9	1446.3	1478.9	1517.6
2569.2	32.5°	2363.0	2066.9	1770.6	1587.4	1404.2	1345.0	1356.5	1375.7	1394.9	1425.8
2636.7	35°	2383.8	2050.3	1717.0	1536.7	1356.3	1307.0	1302.3	1307.5	1312.9	1336.5
2712.3	37.5°	2396.3	2022.1	1647.9	1476.9	1305.9	1262.8	1245.5	1239.6	1233.8	1250.7
2808.3	40°	2404.1	1983.2	1562.3	1405.6	1249.0	1209.9	1183.2	1170.0	1156.8	1169.0
2933.8	42.5°	2418.9	1943.0	1467.2	1327.0	1186.7	1150.7	1117.1	1099.6	1082.1	1092.0
3099.0	45°	2445.0	1905.7	1366.4	1243.4	1120.4	1083.9	1051.4	1034.3	1017.3	1025.6
3275.1	47.5°	2462.9	1874.8	1286.8	1177.3	1067.8	1020.7	992.7	978.4	964.1	972.0
3438.4	50°	2451.2	1841.2	1231.3	1133.4	1035.5	973.6	941.1	928.4	915.8	928.0
3544.4	52.5°	2379.2	1784.5	1189.8	1104.5	1019.3	948.0	902.6	890.1	877.6	896.0
3521.1	55°	2230.6	1690.4	1150.2	1083.5	1016.8	950.6	882.2	862.3	842.5	868.7
3356.6	57.5°	2009.7	1557.8	1105.8	1058.7	1011.6	953.2	869.9	841.0	812.0	840.2
3050.5	60°	1713.3	1385.5	1057.7	1020.7	983.7	945.1	858.4	820.9	783.3	808.1
2636.6	62.5°	1379.6	1179.4	979.3	954.7	930.2	925.4	844.9	798.0	751.2	766.9
2214.2	65°	1087.4	994.0	900.6	889.0	877.3	877.9	816.6	766.8	716.9	722.9
1800.6	67.5°	842.3	815.8	789.2	795.7	802.1	800.5	766.0	724.5	683.1	681.2
1417.7	70°	638.0	645.6	653.1	683.2	713.2	713.2	701.9	672.4	642.9	636.3
1083.8	72.5°	492.1	515.0	537.9	580.6	623.2	630.3	630.5	610.2	590.0	580.4
786.6	75°	382.1	402.9	423.6	471.4	519.2	552.2	549.4	533.8	518.2	509.0
533.0	77.5°	294.2	308.3	322.5	368.8	415.2	469.6	468.2	455.7	443.2	433.9
343.4	80°	220.6	226.4	232.3	271.6	310.8	375.8	375.6	365.1	354.6	346.8
211.2	82.5°	157.6	158.6	159.8	188.7	217.7	273.2	276.2	271.1	266.0	260.5
112.9	85°	95.3	94.8	94.2	115.4	136.6	177.8	181.9	176.4	170.9	164.7
46.8	87.5°	41.8	41.3	40.8	49.4	58.1	75.2	80.3	78.2	76.0	74.8
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
1830.4	2.5°	1819.3	1808.3	1797.2	1786.2	1777.6	1769.0	1762.1	1755.1	1749.7	1744.3
1769.6	5°	1750.0	1730.4	1712.7	1694.9	1681.2	1667.5	1657.9	1648.3	1641.5	1634.8
1732.1	7.5°	1707.5	1682.8	1661.1	1639.4	1623.1	1606.9	1595.5	1584.1	1576.3	1568.5
1731.2	10°	1704.7	1678.1	1653.6	1629.1	1609.7	1590.2	1577.5	1564.6	1557.3	1549.9
1768.1	12.5°	1747.2	1726.5	1701.1	1675.9	1651.0	1626.2	1609.8	1593.3	1585.1	1576.9
1828.2	15°	1822.8	1817.4	1795.4	1773.4	1738.0	1702.7	1677.7	1652.7	1641.3	1629.9
1878.7	17.5°	1895.7	1912.5	1894.8	1877.1	1830.3	1783.5	1746.7	1709.8	1692.9	1675.9
1887.3	20°	1922.7	1958.2	1950.0	1941.7	1888.2	1834.7	1789.6	1744.5	1722.8	1701.1
1839.0	22.5°	1885.1	1931.1	1936.1	1941.0	1889.9	1838.8	1792.3	1745.8	1722.9	1700.0
1752.2	25°	1797.6	1842.9	1859.9	1876.7	1834.8	1793.0	1751.6	1710.4	1690.6	1670.8
1654.5	27.5°	1690.9	1727.2	1746.1	1765.0	1735.1	1705.3	1673.2	1641.2	1627.9	1614.5
1556.3	30°	1586.5	1616.7	1632.1	1647.4	1624.7	1601.9	1579.0	1555.9	1549.1	1542.2
1456.8	32.5°	1485.7	1514.7	1531.7	1548.8	1527.9	1506.9	1488.6	1470.3	1465.8	1461.4
1360.0	35°	1388.6	1417.3	1437.8	1458.2	1443.3	1428.5	1411.6	1394.7	1387.9	1381.2
1267.6	37.5°	1296.1	1324.8	1350.1	1375.3	1368.5	1361.6	1346.0	1330.4	1318.1	1305.8
1181.2	40°	1208.8	1236.4	1265.5	1294.6	1296.3	1297.9	1284.7	1271.5	1253.5	1235.7
1102.0	42.5°	1128.2	1154.4	1185.8	1217.2	1225.6	1234.0	1222.8	1211.7	1189.4	1167.2
1034.1	45°	1058.9	1083.8	1116.3	1148.9	1161.0	1173.0	1162.9	1152.9	1127.4	1102.0
979.8	47.5°	1004.1	1028.4	1060.5	1092.7	1106.5	1120.4	1113.4	1106.4	1083.8	1061.1
940.4	50°	963.3	986.2	1014.9	1043.7	1061.5	1079.4	1078.9	1078.6	1060.5	1042.4
914.4	52.5°	935.5	956.4	983.2	1010.1	1031.2	1052.3	1056.1	1059.9	1045.2	1030.4
894.9	55°	917.5	940.2	963.7	987.1	1009.5	1031.9	1037.2	1042.4	1029.6	1016.7
868.4	57.5°	895.0	921.6	944.8	968.1	990.7	1013.2	1018.5	1023.9	1010.9	997.9
832.8	60°	863.3	893.9	917.4	941.1	963.7	986.4	992.2	998.1	985.4	972.7
782.6	62.5°	818.2	853.8	879.0	904.2	925.0	945.7	951.3	957.0	945.5	934.0
728.9	65°	767.1	805.3	829.4	853.5	871.7	890.0	895.7	901.4	890.4	879.4
679.3	67.5°	714.5	749.7	772.6	795.4	811.2	826.9	832.6	838.1	828.0	817.9
629.7	70°	660.7	691.7	711.4	731.1	745.4	759.6	765.0	770.4	762.2	753.9
570.8	72.5°	595.2	619.5	637.3	655.2	669.1	683.1	689.5	695.9	689.0	682.2
499.7	75°	517.8	536.0	552.1	568.2	581.0	593.7	600.4	607.1	603.7	600.4
424.5	77.5°	439.3	453.9	467.8	481.7	495.1	508.4	514.6	520.9	516.2	511.4
338.9	80°	351.2	363.4	375.1	386.7	396.9	407.0	415.3	423.6	421.6	419.6
254.9	82.5°	253.9	252.9	248.8	244.7	266.3	287.9	302.1	316.3	315.4	314.4
158.5	85°	153.2	147.9	136.6	125.3	145.5	165.8	183.3	200.9	199.4	197.9
73.6	87.5°	73.4	73.2	64.6	55.9	64.3	72.9	80.0	87.1	85.3	83.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
1739.3	2.5°	1734.3	1728.1	1734.3	1739.3	1744.3	1749.7	1755.1	1762.1	1769.0	1777.6
1629.6	5°	1624.4	1619.3	1624.4	1629.6	1634.8	1641.5	1648.3	1657.9	1667.5	1681.2
1563.8	7.5°	1559.2	1555.7	1559.2	1563.8	1568.5	1576.3	1584.1	1595.5	1606.9	1623.1
1545.9	10°	1542.0	1540.4	1542.0	1545.9	1549.9	1557.3	1564.6	1577.5	1590.2	1609.7
1573.6	12.5°	1570.2	1569.6	1570.2	1573.6	1576.9	1585.1	1593.3	1609.8	1626.2	1651.0
1625.5	15°	1621.1	1620.7	1621.1	1625.5	1629.9	1641.3	1652.7	1677.7	1702.7	1738.0
1670.3	17.5°	1664.7	1663.8	1664.7	1670.3	1675.9	1692.9	1709.8	1746.7	1783.5	1830.3
1694.1	20°	1687.2	1685.0	1687.2	1694.1	1701.1	1722.8	1744.5	1789.6	1834.7	1888.2
1692.3	22.5°	1684.6	1681.4	1684.6	1692.3	1700.0	1722.9	1745.8	1792.3	1838.8	1889.9
1663.5	25°	1656.4	1652.1	1656.4	1663.5	1670.8	1690.6	1710.4	1751.6	1793.0	1834.8
1611.2	27.5°	1608.0	1606.9	1608.0	1611.2	1614.5	1627.9	1641.2	1673.2	1705.3	1735.1
1542.2	30°	1542.2	1543.3	1542.2	1542.2	1542.2	1549.1	1555.9	1579.0	1601.9	1624.7
1461.9	32.5°	1462.6	1463.7	1462.6	1461.9	1461.4	1465.8	1470.3	1488.6	1506.9	1527.9
1379.7	35°	1378.2	1377.5	1378.2	1379.7	1381.2	1387.9	1394.7	1411.6	1428.5	1443.3
1299.3	37.5°	1292.8	1289.1	1292.8	1299.3	1305.8	1318.1	1330.4	1346.0	1361.6	1368.5
1223.5	40°	1211.6	1204.4	1211.6	1223.5	1235.7	1253.5	1271.5	1284.7	1297.9	1296.3
1149.6	42.5°	1132.0	1120.4	1132.0	1149.6	1167.2	1189.4	1211.7	1222.8	1234.0	1225.6
1081.3	45°	1060.7	1047.4	1060.7	1081.3	1102.0	1127.4	1152.9	1162.9	1173.0	1161.0
1042.0	47.5°	1022.9	1010.1	1022.9	1042.0	1061.1	1083.8	1106.4	1113.4	1120.4	1106.5
1024.7	50°	1007.1	994.8	1007.1	1024.7	1042.4	1060.5	1078.6	1078.9	1079.4	1061.5
1014.6	52.5°	998.8	987.5	998.8	1014.6	1030.4	1045.2	1059.9	1056.1	1052.3	1031.2
1002.8	55°	988.9	978.7	988.9	1002.8	1016.7	1029.6	1042.4	1037.2	1031.9	1009.5
984.1	57.5°	970.3	959.7	970.3	984.1	997.9	1010.9	1023.9	1018.5	1013.2	990.7
958.6	60°	944.4	933.4	944.4	958.6	972.7	985.4	998.1	992.2	986.4	963.7
919.1	62.5°	904.2	891.1	904.2	919.1	934.0	945.5	957.0	951.3	945.7	925.0
864.9	65°	850.5	839.2	850.5	864.9	879.4	890.4	901.4	895.7	890.0	871.7
804.5	67.5°	791.0	780.8	791.0	804.5	817.9	828.0	838.1	832.6	826.9	811.2
741.1	70°	728.2	716.5	728.2	741.1	753.9	762.2	770.4	765.0	759.6	745.4
669.9	72.5°	657.7	646.4	657.7	669.9	682.2	689.0	695.9	689.5	683.1	669.1
590.1	75°	579.8	569.0	579.8	590.1	600.4	603.7	607.1	600.4	593.7	581.0
501.0	77.5°	490.7	482.1	490.7	501.0	511.4	516.2	520.9	514.6	508.4	495.1
405.7	80°	391.6	375.4	391.6	405.7	419.6	421.6	423.6	415.3	407.0	396.9
302.7	82.5°	290.8	280.5	290.8	302.7	314.4	315.4	316.3	302.1	287.9	266.3
188.7	85°	179.5	170.2	179.5	188.7	197.9	199.4	200.9	183.3	165.8	145.5
78.7	87.5°	73.9	69.4	73.9	78.7	83.4	85.3	87.1	80.0	72.9	64.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
1786.2	2.5°	1797.2	1808.3	1819.3	1830.4	1842.9	1855.6	1869.5	1883.5	1900.8	1916.4
1694.9	5°	1712.7	1730.4	1750.0	1769.6	1791.7	1813.9	1840.4	1866.9	1897.2	1927.9
1639.4	7.5°	1661.1	1682.8	1707.5	1732.1	1761.3	1790.5	1825.7	1860.9	1900.1	1942.0
1629.1	10°	1653.6	1678.1	1704.7	1731.2	1760.4	1789.6	1826.7	1863.8	1906.0	1957.6
1675.9	12.5°	1701.1	1726.5	1747.2	1768.1	1787.4	1806.8	1837.1	1867.5	1906.7	1960.9
1773.4	15°	1795.4	1817.4	1822.8	1828.2	1825.5	1822.9	1837.4	1851.9	1883.3	1943.4
1877.1	17.5°	1894.8	1912.5	1895.7	1878.7	1846.9	1815.0	1809.8	1804.4	1823.8	1894.5
1941.7	20°	1950.0	1958.2	1922.7	1887.3	1832.0	1776.7	1751.8	1727.0	1732.1	1814.4
1941.0	22.5°	1936.1	1931.1	1885.1	1839.0	1775.7	1712.6	1675.9	1639.1	1629.1	1722.8
1876.7	25°	1859.9	1842.9	1797.6	1752.2	1695.4	1638.6	1596.3	1553.9	1526.9	1622.9
1765.0	27.5°	1746.1	1727.2	1690.9	1654.5	1607.9	1561.2	1520.3	1479.4	1446.5	1534.0
1647.4	30°	1632.1	1616.7	1586.5	1556.3	1517.6	1478.9	1446.3	1413.9	1388.1	1461.5
1548.8	32.5°	1531.7	1514.7	1485.7	1456.8	1425.8	1394.9	1375.7	1356.5	1345.0	1404.2
1458.2	35°	1437.8	1417.3	1388.6	1360.0	1336.5	1312.9	1307.5	1302.3	1307.0	1356.3
1375.3	37.5°	1350.1	1324.8	1296.1	1267.6	1250.7	1233.8	1239.6	1245.5	1262.8	1305.9
1294.6	40°	1265.5	1236.4	1208.8	1181.2	1169.0	1156.8	1170.0	1183.2	1209.9	1249.0
1217.2	42.5°	1185.8	1154.4	1128.2	1102.0	1092.0	1082.1	1099.6	1117.1	1150.7	1186.7
1148.9	45°	1116.3	1083.8	1058.9	1034.1	1025.6	1017.3	1034.3	1051.4	1083.9	1120.4
1092.7	47.5°	1060.5	1028.4	1004.1	979.8	972.0	964.1	978.4	992.7	1020.7	1067.8
1043.7	50°	1014.9	986.2	963.3	940.4	928.0	915.8	928.4	941.1	973.6	1035.5
1010.1	52.5°	983.2	956.4	935.5	914.4	896.0	877.6	890.1	902.6	948.0	1019.3
987.1	55°	963.7	940.2	917.5	894.9	868.7	842.5	862.3	882.2	950.6	1016.8
968.1	57.5°	944.8	921.6	895.0	868.4	840.2	812.0	841.0	869.9	953.2	1011.6
941.1	60°	917.4	893.9	863.3	832.8	808.1	783.3	820.9	858.4	945.1	983.7
904.2	62.5°	879.0	853.8	818.2	782.6	766.9	751.2	798.0	844.9	925.4	930.2
853.5	65°	829.4	805.3	767.1	728.9	722.9	716.9	766.8	816.6	877.9	877.3
795.4	67.5°	772.6	749.7	714.5	679.3	681.2	683.1	724.5	766.0	800.5	802.1
731.1	70°	711.4	691.7	660.7	629.7	636.3	642.9	672.4	701.9	713.2	713.2
655.2	72.5°	637.3	619.5	595.2	570.8	580.4	590.0	610.2	630.5	630.3	623.2
568.2	75°	552.1	536.0	517.8	499.7	509.0	518.2	533.8	549.4	552.2	519.2
481.7	77.5°	467.8	453.9	439.3	424.5	433.9	443.2	455.7	468.2	469.6	415.2
386.7	80°	375.1	363.4	351.2	338.9	346.8	354.6	365.1	375.6	375.8	310.8
244.7	82.5°	248.8	252.9	253.9	254.9	260.5	266.0	271.1	276.2	273.2	217.7
125.3	85°	136.6	147.9	153.2	158.5	164.7	170.9	176.4	181.9	177.8	136.6
55.9	87.5°	64.6	73.2	73.4	73.6	74.8	76.0	78.2	80.3	75.2	58.1
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°
1903.4	0°	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4	1903.4
1932.5	2.5°	1948.5	1965.3	1982.1	1998.8	2015.5	2031.2	2046.9
1960.4	5°	1992.9	2027.6	2062.5	2097.0	2131.6	2166.3	2201.0
1987.3	7.5°	2032.7	2084.2	2135.7	2188.5	2241.4	2298.6	2355.9
2011.3	10°	2065.0	2127.6	2190.1	2259.9	2329.8	2402.2	2474.6
2021.6	12.5°	2082.3	2156.1	2229.9	2309.1	2388.2	2467.7	2547.2
2013.7	15°	2083.9	2168.9	2253.8	2339.7	2425.6	2508.5	2591.4
1979.0	17.5°	2063.5	2162.1	2260.7	2354.4	2448.1	2532.2	2616.3
1919.2	20°	2023.9	2143.4	2262.9	2365.9	2468.9	2556.3	2643.6
1849.0	22.5°	1975.1	2120.5	2265.8	2381.4	2496.8	2586.2	2675.4
1770.6	25°	1918.4	2097.8	2277.4	2409.4	2541.4	2628.8	2716.3
1699.0	27.5°	1864.0	2082.7	2301.5	2453.2	2604.9	2688.4	2771.8
1639.1	30°	1816.6	2075.6	2334.5	2510.0	2685.5	2766.1	2846.7
1587.4	32.5°	1770.6	2066.9	2363.0	2569.2	2775.5	2855.2	2935.1
1536.7	35°	1717.0	2050.3	2383.8	2636.7	2889.6	2966.0	3042.4
1476.9	37.5°	1647.9	2022.1	2396.3	2712.3	3028.3	3125.8	3223.2
1405.6	40°	1562.3	1983.2	2404.1	2808.3	3212.4	3354.4	3496.4
1327.0	42.5°	1467.2	1943.0	2418.9	2933.8	3448.8	3653.7	3858.6
1243.4	45°	1366.4	1905.7	2445.0	3099.0	3753.1	4029.6	4306.0
1177.3	47.5°	1286.8	1874.8	2462.9	3275.1	4087.3	4476.4	4865.5
1133.4	50°	1231.3	1841.2	2451.2	3438.4	4425.6	5012.2	5598.8
1104.5	52.5°	1189.8	1784.5	2379.2	3544.4	4709.5	5575.1	6440.6
1083.5	55°	1150.2	1690.4	2230.6	3521.1	4811.4	6074.1	7336.8
1058.7	57.5°	1105.8	1557.8	2009.7	3356.6	4703.6	6427.7	8151.9
1020.7	60°	1057.7	1385.5	1713.3	3050.5	4387.6	6516.1	8644.5
954.7	62.5°	979.3	1179.4	1379.6	2636.6	3893.6	6144.0	8394.4
889.0	65°	900.6	994.0	1087.4	2214.2	3341.2	5617.4	7893.7
795.7	67.5°	789.2	815.8	842.3	1800.6	2758.8	4990.8	7222.8
683.2	70°	653.1	645.6	638.0	1417.7	2197.4	4307.1	6416.8
580.6	72.5°	537.9	515.0	492.1	1083.8	1675.5	3565.9	5456.4
471.4	75°	423.6	402.9	382.1	786.6	1191.1	2716.2	4241.4
368.8	77.5°	322.5	308.3	294.2	533.0	771.9	1901.1	3030.4
271.6	80°	232.3	226.4	220.6	343.4	466.4	1224.9	1983.4
188.7	82.5°	159.8	158.6	157.6	211.2	265.0	708.9	1152.9
115.4	85°	94.2	94.8	95.3	112.9	130.6	318.9	507.3
49.4	87.5°	40.8	41.3	41.8	46.8	51.9	104.4	157.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)