

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: P950533

Luminaire Tested: **GALN-SB4D-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950533
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-SB4D-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28269 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

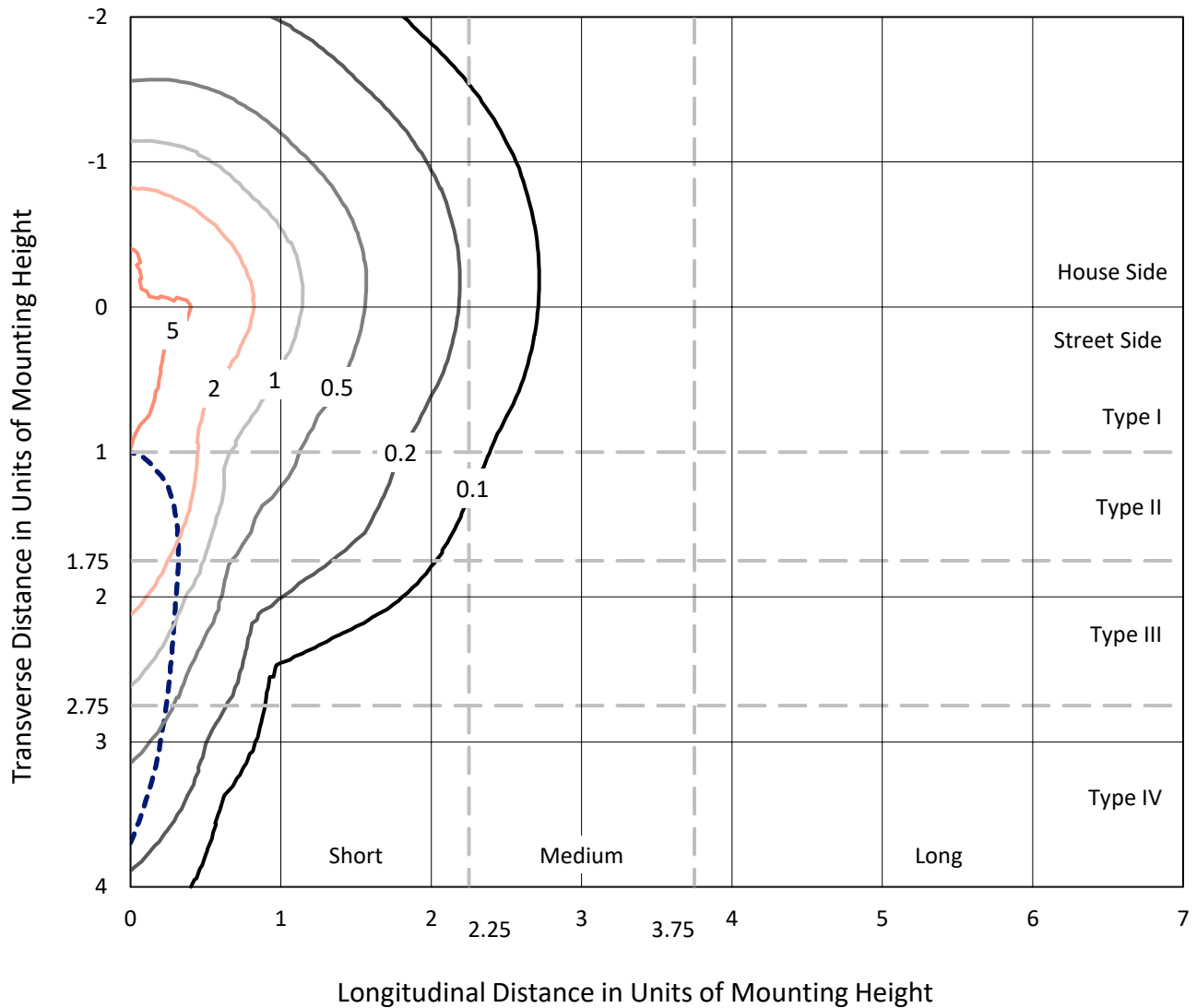
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

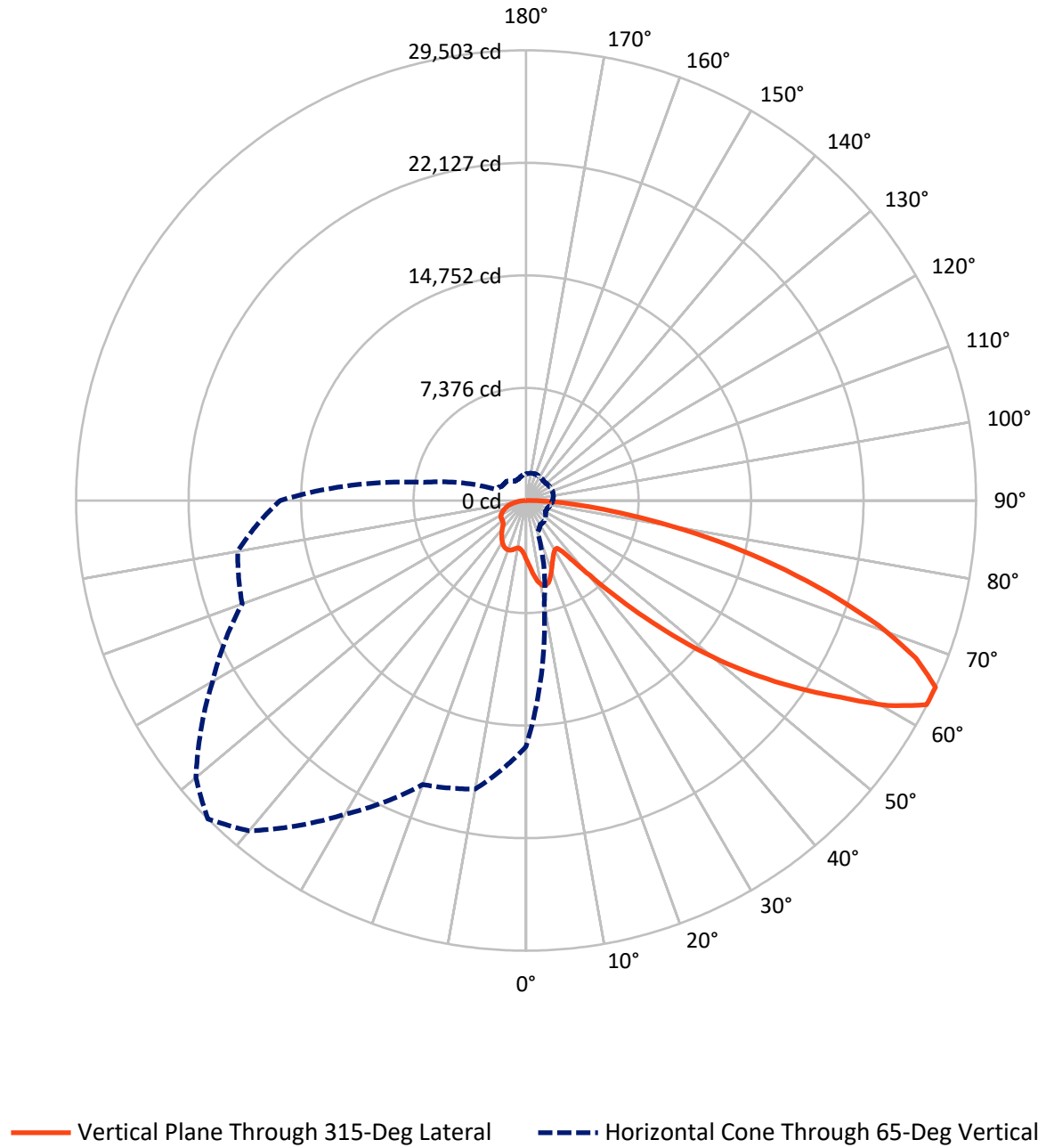
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	7184.6	0.0	7184.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21084.4	0.0	21084.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	28269.0	0.0	28269.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	1.4
10°-20°	1210.5	4.3
20°-30°	1869.8	6.6
30°-40°	2369.5	8.4
40°-50°	3573.9	12.6
50°-60°	5774.1	20.4
60°-70°	7198.3	25.5
70°-80°	4720.3	16.7
80°-90°	1167.0	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°	28269.0	100.0
0°-180°	28269.0	100.0



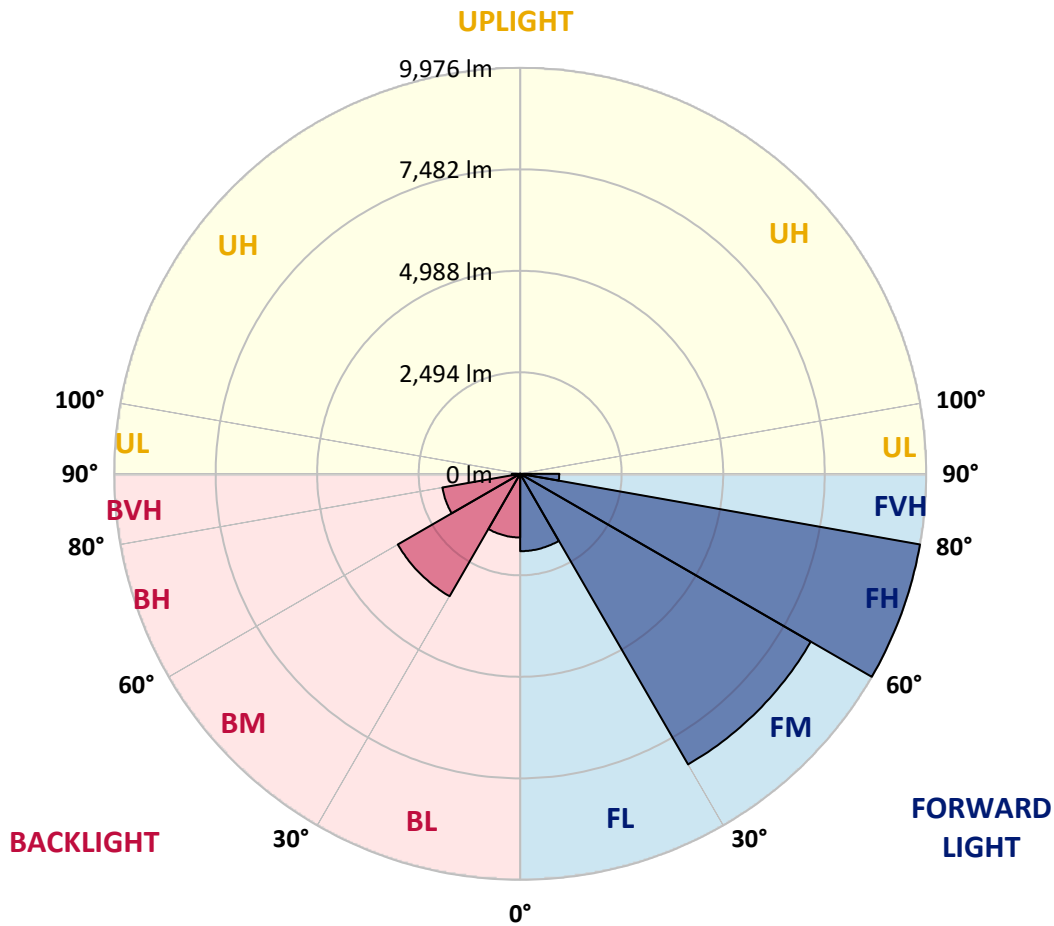
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.4	6.7			
FM (30°-60°)	8245.5	29.2			
FH (60°-80°)	9976.2	35.3			G4/12000
FVH (80°-90°)	961.3	3.4			G5
BL (0°-30°)	1564.5	5.5	B3/2500		
BM (30°-60°)	3472.0	12.3	B3/5000		
BH (60°-80°)	1942.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	205.6	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
2.5°	4180.3	4148.3	4116.2	4082.0	4048.0	4013.7	3979.4	3946.6	3913.8	3882.0
5°	4495.1	4424.2	4353.4	4282.7	4212.1	4141.0	4070.0	4003.6	3937.2	3874.6
7.5°	4811.3	4694.4	4577.6	4469.6	4361.6	4256.4	4151.3	4058.6	3966.0	3880.5
10°	5053.7	4905.9	4758.1	4615.3	4472.7	4345.0	4217.2	4107.7	3997.9	3892.5
12.5°	5202.1	5039.7	4877.4	4715.7	4554.0	4403.3	4252.7	4128.7	4004.8	3893.9
15°	5292.4	5123.1	4953.8	4778.3	4602.9	4429.4	4256.0	4112.5	3969.0	3846.2
17.5°	5343.1	5171.4	4999.7	4808.3	4616.9	4415.6	4214.2	4041.6	3869.0	3724.6
20°	5399.0	5220.6	5042.1	4831.7	4621.4	4377.4	4133.4	3919.5	3705.5	3537.4
22.5°	5463.9	5281.6	5099.2	4863.4	4627.4	4330.5	4033.7	3776.1	3518.5	3327.1
25°	5547.4	5368.7	5190.2	4920.6	4651.0	4284.3	3917.8	3616.0	3314.4	3118.3
27.5°	5660.8	5490.5	5320.0	5010.1	4700.2	4253.4	3806.7	3469.7	3132.8	2954.2
30°	5813.7	5649.0	5484.5	5126.0	4767.6	4239.0	3710.0	3347.4	2984.8	2834.9
32.5°	5994.2	5831.1	5668.3	5247.0	4825.8	4221.1	3616.0	3241.9	2867.7	2746.9
35°	6213.5	6057.4	5901.3	5384.8	4868.4	4187.4	3506.6	3138.3	2770.0	2669.3
37.5°	6582.6	6383.7	6184.7	5539.2	4893.8	4129.6	3365.5	3016.3	2667.1	2579.1
40°	7140.5	6850.5	6560.6	5735.2	4909.8	4050.1	3190.6	2870.7	2550.7	2470.9
42.5°	7880.4	7461.8	7043.3	5991.6	4940.0	3968.1	2996.4	2710.0	2423.6	2350.1
45°	8794.0	8229.4	7664.8	6329.1	4993.3	3891.9	2790.6	2539.4	2288.2	2213.6
47.5°	9936.6	9142.0	8347.3	6688.5	5029.8	3828.9	2628.0	2404.4	2180.8	2084.6
50°	11434.2	10236.3	9038.2	7022.1	5006.0	3760.3	2514.6	2314.7	2114.9	1988.4
52.5°	13153.3	11385.7	9618.1	7238.7	4859.0	3644.4	2429.9	2255.7	2081.6	1936.2
55°	14983.6	12404.8	9826.2	7190.9	4555.5	3452.3	2349.0	2212.9	2076.7	1941.4
57.5°	16648.3	13127.1	9605.9	6855.0	4104.3	3181.4	2258.4	2162.1	2065.9	1946.6
60°	17654.4	13307.6	8960.6	6229.9	3499.1	2829.7	2160.2	2084.6	2008.9	1930.2
62.5°	17143.5	12547.6	7951.7	5384.5	2817.4	2408.7	2000.0	1949.7	1899.6	1889.9
65°	16121.0	11472.3	6823.5	4522.1	2220.8	2030.0	1839.2	1815.5	1791.8	1793.0
67.5°	14750.9	10192.6	5634.2	3677.2	1720.2	1666.0	1611.7	1625.0	1638.1	1634.8
70°	13104.9	8796.2	4487.6	2895.3	1303.0	1318.5	1333.8	1395.3	1456.6	1456.6
72.5°	11143.3	7282.5	3421.8	2213.5	1005.1	1051.8	1098.6	1185.7	1272.7	1287.3
75°	8662.0	5547.3	2432.6	1606.5	780.4	822.8	865.2	962.7	1060.3	1127.7
77.5°	6188.8	3882.6	1576.4	1088.6	600.8	629.6	658.6	753.3	848.0	959.1
80°	4050.6	2501.5	952.4	701.4	450.5	462.4	474.3	554.6	634.7	767.5
82.5°	2354.6	1447.8	541.2	431.4	321.9	324.0	326.4	385.4	444.5	557.9
85°	1035.9	651.3	266.7	230.6	194.7	193.6	192.4	235.7	278.9	363.2
87.5°	320.7	213.3	105.9	95.6	85.3	84.3	83.2	100.8	118.6	153.6
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°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3846.7	2.5°	3818.0	3789.5	3763.7	3738.1	3715.5	3693.0	3670.3	3647.8	3630.4	3612.8
3812.6	5°	3758.7	3704.5	3659.2	3614.0	3574.0	3534.0	3497.8	3461.4	3433.5	3405.4
3800.4	7.5°	3728.5	3656.8	3597.1	3537.4	3487.2	3436.8	3392.3	3348.0	3314.7	3281.6
3806.4	10°	3730.6	3654.8	3595.2	3535.5	3481.4	3427.1	3377.1	3327.1	3287.4	3247.6
3813.8	12.5°	3751.8	3690.0	3650.4	3611.0	3568.3	3526.0	3474.2	3422.6	3371.9	3321.2
3782.1	15°	3752.4	3722.9	3728.2	3733.6	3722.6	3711.5	3666.6	3621.7	3549.5	3477.3
3685.1	17.5°	3696.0	3706.7	3771.8	3836.8	3871.4	3905.9	3869.6	3833.5	3737.9	3642.3
3527.0	20°	3577.7	3628.4	3741.3	3854.4	3926.8	3999.1	3982.4	3965.5	3856.2	3747.0
3347.6	22.5°	3422.6	3497.6	3626.5	3755.7	3849.8	3943.9	3954.1	3964.1	3859.6	3755.2
3173.5	25°	3260.0	3346.5	3462.4	3578.5	3671.1	3763.7	3798.3	3832.8	3747.2	3661.7
3021.3	27.5°	3104.9	3188.4	3283.7	3378.9	3453.2	3527.4	3565.9	3604.6	3543.6	3482.7
2887.5	30°	2953.8	3020.3	3099.3	3178.4	3240.0	3301.8	3333.1	3364.4	3318.0	3271.5
2770.3	32.5°	2809.5	2848.7	2911.8	2975.1	3034.2	3093.4	3128.1	3163.0	3120.4	3077.6
2659.6	35°	2670.3	2681.2	2729.4	2777.4	2835.9	2894.5	2936.3	2978.1	2947.6	2917.4
2543.6	37.5°	2531.6	2519.7	2554.3	2588.8	2647.1	2705.5	2757.2	2808.8	2794.7	2780.7
2416.5	40°	2389.5	2362.5	2387.4	2412.3	2468.7	2525.1	2584.4	2643.9	2647.4	2650.7
2281.5	42.5°	2245.7	2209.9	2230.2	2250.6	2304.0	2357.5	2421.7	2485.8	2503.0	2520.1
2147.2	45°	2112.3	2077.6	2094.6	2111.9	2162.6	2213.3	2279.8	2346.4	2371.0	2395.6
2027.4	47.5°	1998.2	1969.0	1985.1	2001.0	2050.7	2100.2	2165.9	2231.5	2259.8	2288.2
1922.0	50°	1896.0	1870.2	1895.3	1920.5	1967.3	2014.0	2072.8	2131.6	2168.0	2204.4
1843.4	52.5°	1817.7	1792.2	1830.0	1867.5	1910.5	1953.3	2008.1	2062.9	2106.1	2149.2
1801.6	55°	1761.0	1720.6	1774.2	1827.6	1873.8	1920.0	1968.1	2016.0	2061.6	2107.4
1776.6	57.5°	1717.5	1658.4	1716.0	1773.6	1827.9	1882.2	1929.6	1977.2	2023.3	2069.2
1753.0	60°	1676.5	1599.8	1650.4	1700.8	1763.1	1825.5	1873.7	1922.0	1968.2	2014.5
1725.5	62.5°	1629.8	1534.2	1566.2	1598.3	1670.9	1743.7	1795.2	1846.7	1889.0	1931.4
1667.7	65°	1565.9	1464.1	1476.4	1488.7	1566.5	1644.5	1693.8	1743.0	1780.3	1817.6
1564.4	67.5°	1479.7	1395.0	1391.1	1387.2	1459.1	1531.2	1577.9	1624.4	1656.6	1688.8
1433.5	70°	1373.2	1312.9	1299.5	1286.1	1349.3	1412.6	1452.9	1493.1	1522.2	1551.3
1287.6	72.5°	1246.3	1205.0	1185.3	1165.7	1215.5	1265.2	1301.6	1338.0	1366.5	1395.0
1122.0	75°	1090.2	1058.3	1039.5	1020.6	1057.6	1094.6	1127.5	1160.5	1186.5	1212.4
956.1	77.5°	930.6	905.1	886.0	866.9	897.1	927.1	955.4	983.7	1011.0	1038.2
767.0	80°	745.7	724.2	708.2	692.1	717.2	742.1	766.0	789.8	810.6	831.1
564.1	82.5°	553.7	543.3	531.9	520.6	518.5	516.4	508.1	499.7	543.9	588.0
371.4	85°	360.2	349.0	336.4	323.7	312.9	302.1	278.9	255.8	297.1	338.6
164.1	87.5°	159.6	155.1	152.7	150.4	149.9	149.5	131.9	114.1	131.4	148.9
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°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3598.6	2.5°	3584.4	3573.4	3562.4	3552.2	3541.9	3529.2	3541.9	3552.2	3562.4	3573.4
3385.9	5°	3366.3	3352.5	3338.6	3328.0	3317.4	3307.0	3317.4	3328.0	3338.6	3352.5
3258.4	7.5°	3235.1	3219.1	3203.3	3193.8	3184.4	3177.2	3184.4	3193.8	3203.3	3219.1
3221.7	10°	3195.4	3180.3	3165.3	3157.2	3149.2	3145.9	3149.2	3157.2	3165.3	3180.3
3287.6	12.5°	3254.0	3237.2	3220.5	3213.6	3206.7	3205.5	3206.7	3213.6	3220.5	3237.2
3426.3	15°	3375.3	3351.9	3328.6	3319.7	3310.7	3310.0	3310.7	3319.7	3328.6	3351.9
3567.1	17.5°	3491.9	3457.3	3422.6	3411.2	3399.8	3398.0	3399.8	3411.2	3422.6	3457.3
3654.8	20°	3562.8	3518.5	3474.0	3459.9	3445.7	3441.2	3445.7	3459.9	3474.0	3518.5
3660.4	22.5°	3565.3	3518.6	3471.8	3456.1	3440.5	3433.8	3440.5	3456.1	3471.8	3518.6
3577.3	25°	3493.1	3452.6	3412.1	3397.4	3382.8	3374.1	3382.8	3397.4	3412.1	3452.6
3417.2	27.5°	3351.7	3324.6	3297.3	3290.6	3283.9	3281.6	3283.9	3290.6	3297.3	3324.6
3224.6	30°	3177.5	3163.6	3149.6	3149.6	3149.6	3151.8	3149.6	3149.6	3149.6	3163.6
3040.1	32.5°	3002.7	2993.6	2984.5	2985.7	2987.0	2989.3	2987.0	2985.7	2984.5	2993.6
2882.8	35°	2848.3	2834.4	2820.7	2817.7	2814.7	2813.2	2814.7	2817.7	2820.7	2834.4
2749.0	37.5°	2717.0	2691.8	2666.8	2653.5	2640.2	2632.8	2640.2	2653.5	2666.8	2691.8
2623.7	40°	2596.7	2560.0	2523.6	2498.8	2474.3	2459.7	2474.3	2498.8	2523.6	2560.0
2497.3	42.5°	2474.6	2429.1	2383.7	2347.7	2311.8	2288.2	2311.8	2347.7	2383.7	2429.1
2375.0	45°	2354.6	2302.5	2250.6	2208.4	2166.2	2139.0	2166.2	2208.4	2250.6	2302.5
2273.9	47.5°	2259.5	2213.3	2167.1	2128.0	2089.1	2062.9	2089.1	2128.0	2167.1	2213.3
2203.5	50°	2202.9	2165.9	2128.9	2092.8	2056.7	2031.6	2056.7	2092.8	2128.9	2165.9
2156.9	52.5°	2164.7	2134.5	2104.4	2072.0	2039.8	2016.7	2039.8	2072.0	2104.4	2134.5
2118.1	55°	2128.9	2102.6	2076.4	2048.0	2019.7	1998.8	2019.7	2048.0	2076.4	2102.6
2080.1	57.5°	2091.0	2064.4	2037.9	2009.8	1981.7	1960.0	1981.7	2009.8	2037.9	2064.4
2026.4	60°	2038.3	2012.4	1986.6	1957.6	1928.7	1906.3	1928.7	1957.6	1986.6	2012.4
1942.9	62.5°	1954.4	1930.9	1907.5	1877.1	1846.7	1819.8	1846.7	1877.1	1907.5	1930.9
1829.4	65°	1841.0	1818.5	1795.9	1766.4	1737.0	1713.9	1737.0	1766.4	1795.9	1818.5
1700.3	67.5°	1711.7	1690.9	1670.3	1642.9	1615.5	1594.6	1615.5	1642.9	1670.3	1690.9
1562.4	70°	1573.4	1556.5	1539.7	1513.4	1487.2	1463.3	1487.2	1513.4	1539.7	1556.5
1408.1	72.5°	1421.2	1407.2	1393.2	1368.1	1343.2	1320.1	1343.2	1368.1	1393.2	1407.2
1226.1	75°	1239.9	1233.0	1226.1	1205.1	1184.1	1162.0	1184.1	1205.1	1226.1	1233.0
1051.0	77.5°	1063.8	1054.3	1044.5	1023.3	1002.1	984.5	1002.1	1023.3	1044.5	1054.3
848.2	80°	865.2	861.0	857.0	828.5	799.8	766.7	799.8	828.5	857.0	861.0
616.9	82.5°	645.9	644.1	642.2	618.1	594.0	572.8	594.0	618.1	642.2	644.1
374.4	85°	410.2	407.2	404.2	385.4	366.6	347.6	366.6	385.4	404.2	407.2
163.3	87.5°	177.8	174.2	170.3	160.8	151.0	141.7	151.0	160.8	170.3	174.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3584.4	2.5°	3598.6	3612.8	3630.4	3647.8	3670.3	3693.0	3715.5	3738.1	3763.7	3789.5
3366.3	5°	3385.9	3405.4	3433.5	3461.4	3497.8	3534.0	3574.0	3614.0	3659.2	3704.5
3235.1	7.5°	3258.4	3281.6	3314.7	3348.0	3392.3	3436.8	3487.2	3537.4	3597.1	3656.8
3195.4	10°	3221.7	3247.6	3287.4	3327.1	3377.1	3427.1	3481.4	3535.5	3595.2	3654.8
3254.0	12.5°	3287.6	3321.2	3371.9	3422.6	3474.2	3526.0	3568.3	3611.0	3650.4	3690.0
3375.3	15°	3426.3	3477.3	3549.5	3621.7	3666.6	3711.5	3722.6	3733.6	3728.2	3722.9
3491.9	17.5°	3567.1	3642.3	3737.9	3833.5	3869.6	3905.9	3871.4	3836.8	3771.8	3706.7
3562.8	20°	3654.8	3747.0	3856.2	3965.5	3982.4	3999.1	3926.8	3854.4	3741.3	3628.4
3565.3	22.5°	3660.4	3755.2	3859.6	3964.1	3954.1	3943.9	3849.8	3755.7	3626.5	3497.6
3493.1	25°	3577.3	3661.7	3747.2	3832.8	3798.3	3763.7	3671.1	3578.5	3462.4	3346.5
3351.7	27.5°	3417.2	3482.7	3543.6	3604.6	3565.9	3527.4	3453.2	3378.9	3283.7	3188.4
3177.5	30°	3224.6	3271.5	3318.0	3364.4	3333.1	3301.8	3240.0	3178.4	3099.3	3020.3
3002.7	32.5°	3040.1	3077.6	3120.4	3163.0	3128.1	3093.4	3034.2	2975.1	2911.8	2848.7
2848.3	35°	2882.8	2917.4	2947.6	2978.1	2936.3	2894.5	2835.9	2777.4	2729.4	2681.2
2717.0	37.5°	2749.0	2780.7	2794.7	2808.8	2757.2	2705.5	2647.1	2588.8	2554.3	2519.7
2596.7	40°	2623.7	2650.7	2647.4	2643.9	2584.4	2525.1	2468.7	2412.3	2387.4	2362.5
2474.6	42.5°	2497.3	2520.1	2503.0	2485.8	2421.7	2357.5	2304.0	2250.6	2230.2	2209.9
2354.6	45°	2375.0	2395.6	2371.0	2346.4	2279.8	2213.3	2162.6	2111.9	2094.6	2077.6
2259.5	47.5°	2273.9	2288.2	2259.8	2231.5	2165.9	2100.2	2050.7	2001.0	1985.1	1969.0
2202.9	50°	2203.5	2204.4	2168.0	2131.6	2072.8	2014.0	1967.3	1920.5	1895.3	1870.2
2164.7	52.5°	2156.9	2149.2	2106.1	2062.9	2008.1	1953.3	1910.5	1867.5	1830.0	1792.2
2128.9	55°	2118.1	2107.4	2061.6	2016.0	1968.1	1920.0	1873.8	1827.6	1774.2	1720.6
2091.0	57.5°	2080.1	2069.2	2023.3	1977.2	1929.6	1882.2	1827.9	1773.6	1716.0	1658.4
2038.3	60°	2026.4	2014.5	1968.2	1922.0	1873.7	1825.5	1763.1	1700.8	1650.4	1599.8
1954.4	62.5°	1942.9	1931.4	1889.0	1846.7	1795.2	1743.7	1670.9	1598.3	1566.2	1534.2
1841.0	65°	1829.4	1817.6	1780.3	1743.0	1693.8	1644.5	1566.5	1488.7	1476.4	1464.1
1711.7	67.5°	1700.3	1688.8	1656.6	1624.4	1577.9	1531.2	1459.1	1387.2	1391.1	1395.0
1573.4	70°	1562.4	1551.3	1522.2	1493.1	1452.9	1412.6	1349.3	1286.1	1299.5	1312.9
1421.2	72.5°	1408.1	1395.0	1366.5	1338.0	1301.6	1265.2	1215.5	1165.7	1185.3	1205.0
1239.9	75°	1226.1	1212.4	1186.5	1160.5	1127.5	1094.6	1057.6	1020.6	1039.5	1058.3
1063.8	77.5°	1051.0	1038.2	1011.0	983.7	955.4	927.1	897.1	866.9	886.0	905.1
865.2	80°	848.2	831.1	810.6	789.8	766.0	742.1	717.2	692.1	708.2	724.2
645.9	82.5°	616.9	588.0	543.9	499.7	508.1	516.4	518.5	520.6	531.9	543.3
410.2	85°	374.4	338.6	297.1	255.8	278.9	302.1	312.9	323.7	336.4	349.0
177.8	87.5°	163.3	148.9	131.4	114.1	131.9	149.5	149.9	150.4	152.7	155.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
3818.0	2.5°	3846.7	3882.0	3913.8	3946.6	3979.4	4013.7	4048.0	4082.0	4116.2	4148.3
3758.7	5°	3812.6	3874.6	3937.2	4003.6	4070.0	4141.0	4212.1	4282.7	4353.4	4424.2
3728.5	7.5°	3800.4	3880.5	3966.0	4058.6	4151.3	4256.4	4361.6	4469.6	4577.6	4694.4
3730.6	10°	3806.4	3892.5	3997.9	4107.7	4217.2	4345.0	4472.7	4615.3	4758.1	4905.9
3751.8	12.5°	3813.8	3893.9	4004.8	4128.7	4252.7	4403.3	4554.0	4715.7	4877.4	5039.7
3752.4	15°	3782.1	3846.2	3969.0	4112.5	4256.0	4429.4	4602.9	4778.3	4953.8	5123.1
3696.0	17.5°	3685.1	3724.6	3869.0	4041.6	4214.2	4415.6	4616.9	4808.3	4999.7	5171.4
3577.7	20°	3527.0	3537.4	3705.5	3919.5	4133.4	4377.4	4621.4	4831.7	5042.1	5220.6
3422.6	22.5°	3347.6	3327.1	3518.5	3776.1	4033.7	4330.5	4627.4	4863.4	5099.2	5281.6
3260.0	25°	3173.5	3118.3	3314.4	3616.0	3917.8	4284.3	4651.0	4920.6	5190.2	5368.7
3104.9	27.5°	3021.3	2954.2	3132.8	3469.7	3806.7	4253.4	4700.2	5010.1	5320.0	5490.5
2953.8	30°	2887.5	2834.9	2984.8	3347.4	3710.0	4239.0	4767.6	5126.0	5484.5	5649.0
2809.5	32.5°	2770.3	2746.9	2867.7	3241.9	3616.0	4221.1	4825.8	5247.0	5668.3	5831.1
2670.3	35°	2659.6	2669.3	2770.0	3138.3	3506.6	4187.4	4868.4	5384.8	5901.3	6057.4
2531.6	37.5°	2543.6	2579.1	2667.1	3016.3	3365.5	4129.6	4893.8	5539.2	6184.7	6383.7
2389.5	40°	2416.5	2470.9	2550.7	2870.7	3190.6	4050.1	4909.8	5735.2	6560.6	6850.5
2245.7	42.5°	2281.5	2350.1	2423.6	2710.0	2996.4	3968.1	4940.0	5991.6	7043.3	7461.8
2112.3	45°	2147.2	2213.6	2288.2	2539.4	2790.6	3891.9	4993.3	6329.1	7664.8	8229.4
1998.2	47.5°	2027.4	2084.6	2180.8	2404.4	2628.0	3828.9	5029.8	6688.5	8347.3	9142.0
1896.0	50°	1922.0	1988.4	2114.9	2314.7	2514.6	3760.3	5006.0	7022.1	9038.2	10236.3
1817.7	52.5°	1843.4	1936.2	2081.6	2255.7	2429.9	3644.4	4859.0	7238.7	9618.1	11385.7
1761.0	55°	1801.6	1941.4	2076.7	2212.9	2349.0	3452.3	4555.5	7190.9	9826.2	12404.8
1717.5	57.5°	1776.6	1946.6	2065.9	2162.1	2258.4	3181.4	4104.3	6855.0	9605.9	13127.1
1676.5	60°	1753.0	1930.2	2008.9	2084.6	2160.2	2829.7	3499.1	6229.9	8960.6	13307.6
1629.8	62.5°	1725.5	1889.9	1899.6	1949.7	2000.0	2408.7	2817.4	5384.5	7951.7	12547.6
1565.9	65°	1667.7	1793.0	1791.8	1815.5	1839.2	2030.0	2220.8	4522.1	6823.5	11472.3
1479.7	67.5°	1564.4	1634.8	1638.1	1625.0	1611.7	1666.0	1720.2	3677.2	5634.2	10192.6
1373.2	70°	1433.5	1456.6	1456.6	1395.3	1333.8	1318.5	1303.0	2895.3	4487.6	8796.2
1246.3	72.5°	1287.6	1287.3	1272.7	1185.7	1098.6	1051.8	1005.1	2213.5	3421.8	7282.5
1090.2	75°	1122.0	1127.7	1060.3	962.7	865.2	822.8	780.4	1606.5	2432.6	5547.3
930.6	77.5°	956.1	959.1	848.0	753.3	658.6	629.6	600.8	1088.6	1576.4	3882.6
745.7	80°	767.0	767.5	634.7	554.6	474.3	462.4	450.5	701.4	952.4	2501.5
553.7	82.5°	564.1	557.9	444.5	385.4	326.4	324.0	321.9	431.4	541.2	1447.8
360.2	85°	371.4	363.2	278.9	235.7	192.4	193.6	194.7	230.6	266.7	651.3
159.6	87.5°	164.1	153.6	118.6	100.8	83.2	84.3	85.3	95.6	105.9	213.3
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°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
4180.3	2.5°	4196.2	4212.1	4234.6	4257.2	4270.6	4284.0	4290.7	4297.4	4294.5	4297.4
4495.1	5°	4550.4	4605.9	4660.8	4715.8	4745.7	4775.5	4793.6	4811.8	4825.5	4811.8
4811.3	7.5°	4901.4	4991.3	5072.3	5153.3	5202.1	5250.9	5277.3	5303.5	5316.2	5303.5
5053.7	10°	5160.2	5266.7	5361.7	5456.7	5514.3	5571.6	5597.3	5622.8	5632.5	5622.8
5202.1	12.5°	5317.6	5432.9	5518.8	5604.4	5646.2	5687.9	5702.0	5716.0	5717.5	5716.0
5292.4	15°	5392.0	5491.5	5545.3	5599.3	5600.8	5602.3	5587.4	5572.5	5554.9	5572.5
5343.1	17.5°	5410.4	5477.6	5478.7	5479.6	5419.2	5358.7	5303.4	5247.9	5208.8	5247.9
5399.0	20°	5422.4	5446.0	5375.1	5304.3	5170.9	5037.6	4940.5	4843.4	4783.7	4843.4
5463.9	22.5°	5433.2	5402.4	5255.7	5108.9	4912.7	4716.6	4595.2	4473.7	4407.8	4473.7
5547.4	25°	5450.5	5353.5	5130.7	4907.8	4669.6	4431.4	4303.7	4176.3	4114.0	4176.3
5660.8	27.5°	5487.5	5314.0	5018.8	4723.7	4459.7	4195.7	4070.1	3944.7	3885.7	3944.7
5813.7	30°	5555.2	5296.8	4933.5	4570.1	4295.0	4020.0	3903.5	3787.0	3732.1	3787.0
5994.2	32.5°	5640.2	5286.4	4875.3	4464.2	4205.7	3947.2	3855.8	3764.2	3724.6	3764.2
6213.5	35°	5780.3	5347.3	4918.9	4490.6	4311.0	4131.6	4110.2	4088.9	4085.6	4088.9
6582.6	37.5°	6073.1	5563.5	5174.2	4784.9	4773.3	4761.6	4859.2	4956.7	5007.5	4956.7
7140.5	40°	6586.4	6032.2	5742.7	5453.2	5657.5	5861.9	6099.0	6336.2	6454.4	6336.2
7880.4	42.5°	7330.5	6780.7	6614.0	6447.2	6892.9	7338.6	7770.0	8201.4	8454.7	8201.4
8794.0	45°	8300.1	7806.1	7732.5	7658.9	8372.9	9087.1	9795.9	10504.9	10935.3	10504.9
9936.6	47.5°	9456.1	8975.5	8960.6	8945.7	9975.8	11005.7	12043.4	13081.0	13690.3	13081.0
11434.2	50°	10840.7	10247.3	10249.8	10252.4	11580.0	12907.5	14277.3	15647.1	16475.2	15647.1
13153.3	52.5°	12434.7	11716.1	11643.5	11570.7	13156.5	14742.2	16437.1	18131.7	19124.4	18131.7
14983.6	55°	14273.6	13563.5	13280.3	12997.0	14761.9	16526.7	18547.1	20567.6	21748.2	20567.6
16648.3	57.5°	16261.6	15874.8	15306.7	14738.7	16520.7	18302.8	20591.3	22879.6	24343.7	22879.6
17654.4	60°	18254.9	18855.6	18150.1	17444.5	19131.0	20817.4	23267.6	25717.8	27300.1	25717.8
17143.5	62.5°	18784.5	20425.4	20345.9	20266.3	21811.2	23356.2	25687.3	28018.3	29480.9	28018.3
16121.0	65°	17661.1	19201.2	19506.0	19810.6	21773.9	23737.3	25997.8	28258.1	29503.3	28258.1
14750.9	67.5°	16215.7	17680.5	17823.4	17966.1	20011.8	22057.3	24327.4	26597.6	27573.1	26597.6
13104.9	70°	14698.1	16291.5	16355.3	16419.3	18248.7	20077.9	22031.5	23984.9	24527.1	23984.9
11143.3	72.5°	12971.7	14800.1	14846.1	14891.9	16323.1	17754.3	19217.5	20680.5	20735.4	20680.5
8662.0	75°	10554.3	12446.6	12616.5	12786.4	13899.9	15013.4	16043.4	17073.4	16797.4	17073.4
6188.8	77.5°	7955.2	9721.8	9964.9	10208.1	11054.6	11901.1	12631.6	13362.2	12887.8	13362.2
4050.6	80°	5536.7	7022.7	7324.9	7627.1	8266.4	8905.4	9289.1	9672.6	8909.6	9672.6
2354.6	82.5°	3370.5	4386.6	4724.2	5061.9	5501.9	5942.0	6102.0	6261.9	5662.3	6261.9
1035.9	85°	1575.2	2114.4	2401.6	2688.7	3050.3	3411.7	3502.5	3593.4	3113.1	3593.4
320.7	87.5°	501.9	683.2	843.4	1003.6	1184.4	1365.2	1372.9	1380.5	1159.0	1380.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
3887.2	0°	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2	3887.2
4290.7	2.5°	4284.0	4270.6	4257.2	4234.6	4212.1	4196.2	4180.3
4793.6	5°	4775.5	4745.7	4715.8	4660.8	4605.9	4550.4	4495.1
5277.3	7.5°	5250.9	5202.1	5153.3	5072.3	4991.3	4901.4	4811.3
5597.3	10°	5571.6	5514.3	5456.7	5361.7	5266.7	5160.2	5053.7
5702.0	12.5°	5687.9	5646.2	5604.4	5518.8	5432.9	5317.6	5202.1
5587.4	15°	5602.3	5600.8	5599.3	5545.3	5491.5	5392.0	5292.4
5303.4	17.5°	5358.7	5419.2	5479.6	5478.7	5477.6	5410.4	5343.1
4940.5	20°	5037.6	5170.9	5304.3	5375.1	5446.0	5422.4	5399.0
4595.2	22.5°	4716.6	4912.7	5108.9	5255.7	5402.4	5433.2	5463.9
4303.7	25°	4431.4	4669.6	4907.8	5130.7	5353.5	5450.5	5547.4
4070.1	27.5°	4195.7	4459.7	4723.7	5018.8	5314.0	5487.5	5660.8
3903.5	30°	4020.0	4295.0	4570.1	4933.5	5296.8	5555.2	5813.7
3855.8	32.5°	3947.2	4205.7	4464.2	4875.3	5286.4	5640.2	5994.2
4110.2	35°	4131.6	4311.0	4490.6	4918.9	5347.3	5780.3	6213.5
4859.2	37.5°	4761.6	4773.3	4784.9	5174.2	5563.5	6073.1	6582.6
6099.0	40°	5861.9	5657.5	5453.2	5742.7	6032.2	6586.4	7140.5
7770.0	42.5°	7338.6	6892.9	6447.2	6614.0	6780.7	7330.5	7880.4
9795.9	45°	9087.1	8372.9	7658.9	7732.5	7806.1	8300.1	8794.0
12043.4	47.5°	11005.7	9975.8	8945.7	8960.6	8975.5	9456.1	9936.6
14277.3	50°	12907.5	11580.0	10252.4	10249.8	10247.3	10840.7	11434.2
16437.1	52.5°	14742.2	13156.5	11570.7	11643.5	11716.1	12434.7	13153.3
18547.1	55°	16526.7	14761.9	12997.0	13280.3	13563.5	14273.6	14983.6
20591.3	57.5°	18302.8	16520.7	14738.7	15306.7	15874.8	16261.6	16648.3
23267.6	60°	20817.4	19131.0	17444.5	18150.1	18855.6	18254.9	17654.4
25687.3	62.5°	23356.2	21811.2	20266.3	20345.9	20425.4	18784.5	17143.5
25997.8	65°	23737.3	21773.9	19810.6	19506.0	19201.2	17661.1	16121.0
24327.4	67.5°	22057.3	20011.8	17966.1	17823.4	17680.5	16215.7	14750.9
22031.5	70°	20077.9	18248.7	16419.3	16355.3	16291.5	14698.1	13104.9
19217.5	72.5°	17754.3	16323.1	14891.9	14846.1	14800.1	12971.7	11143.3
16043.4	75°	15013.4	13899.9	12786.4	12616.5	12446.6	10554.3	8662.0
12631.6	77.5°	11901.1	11054.6	10208.1	9964.9	9721.8	7955.2	6188.8
9289.1	80°	8905.4	8266.4	7627.1	7324.9	7022.7	5536.7	4050.6
6102.0	82.5°	5942.0	5501.9	5061.9	4724.2	4386.6	3370.5	2354.6
3502.5	85°	3411.7	3050.3	2688.7	2401.6	2114.4	1575.2	1035.9
1372.9	87.5°	1365.2	1184.4	1003.6	843.4	683.2	501.9	320.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)