

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: P949903

Luminaire Tested: **GALN-SB4C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949903
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-SB4C-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29907 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

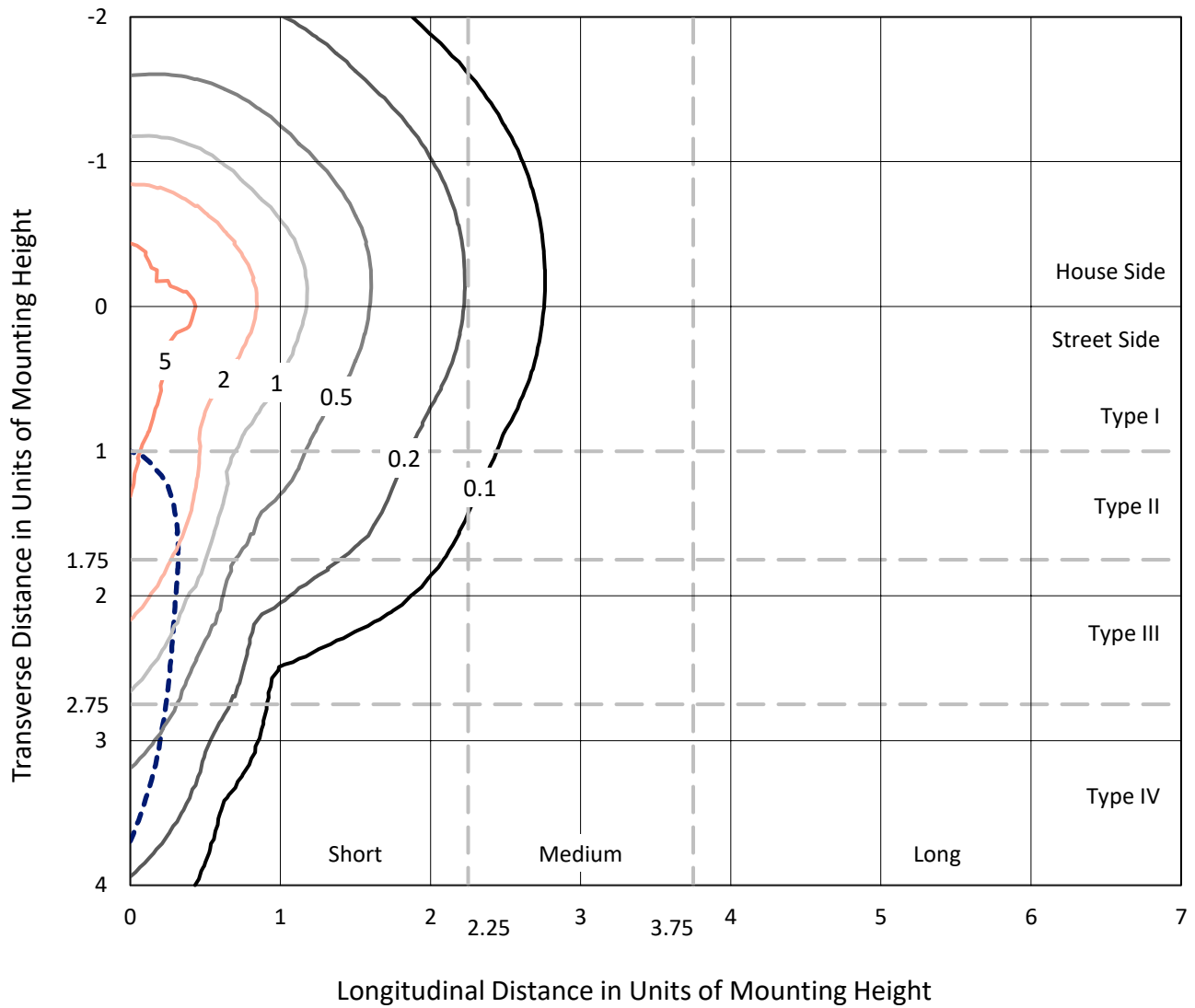
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

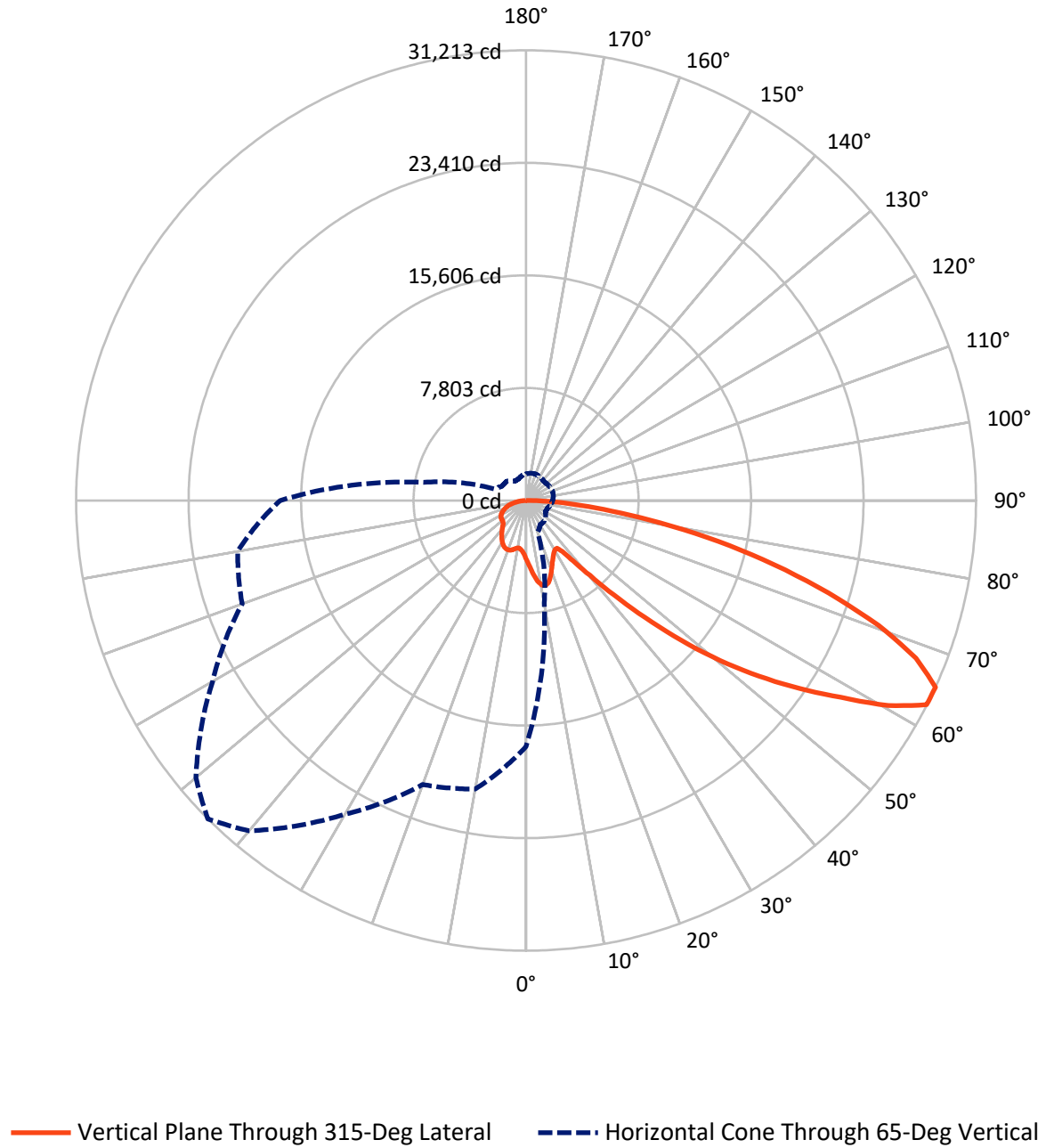
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	7600.9	0.0	7600.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22306.1	0.0	22306.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	29907.0	0.0	29907.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.0	1.4
10°-20°	1280.7	4.3
20°-30°	1978.2	6.6
30°-40°	2506.8	8.4
40°-50°	3780.9	12.6
50°-60°	6108.7	20.4
60°-70°	7615.4	25.5
70°-80°	4993.8	16.7
80°-90°	1234.6	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°	29907.0	100.0
0°-180°	29907.0	100.0



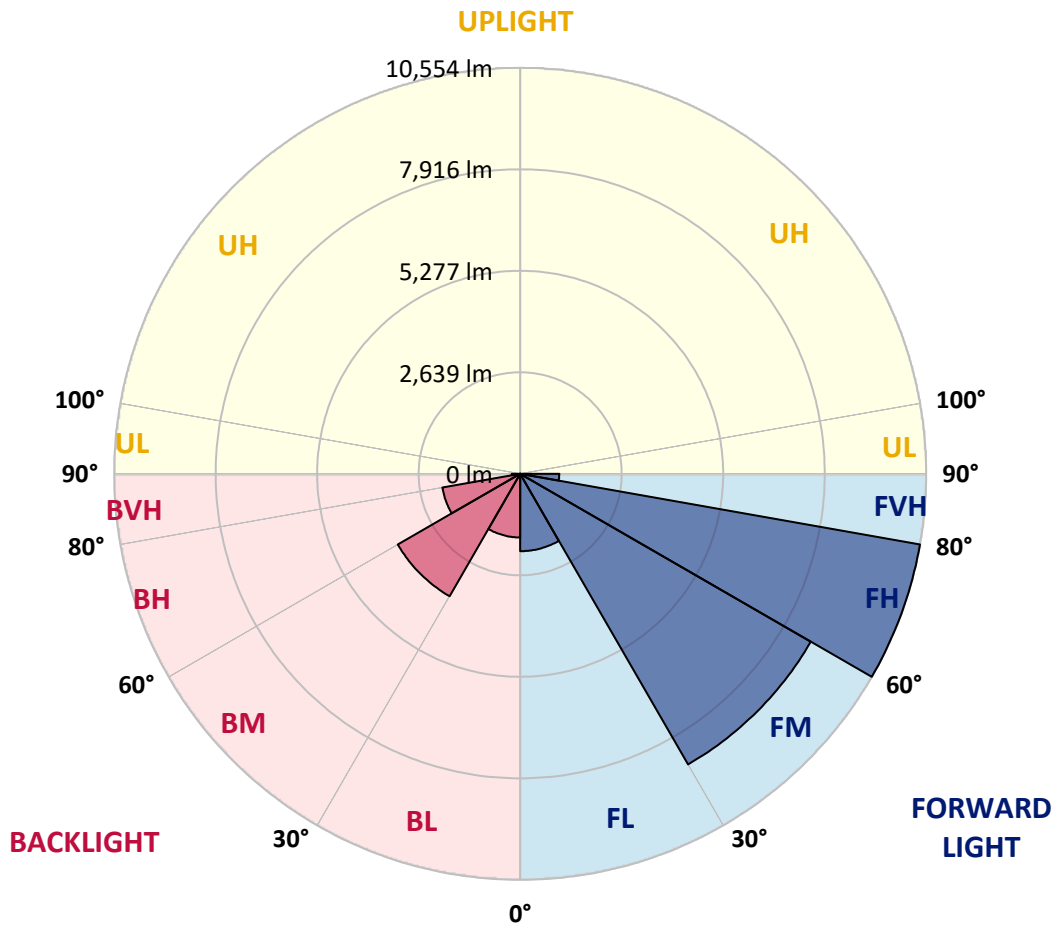
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2011.6	6.7			
FM (30°-60°)	8723.2	29.2			
FH (60°-80°)	10554.3	35.3			G4/12000
FVH (80°-90°)	1017.0	3.4			G5
BL (0°-30°)	1655.2	5.5	B3/2500		
BM (30°-60°)	3673.2	12.3	B3/5000		
BH (60°-80°)	2054.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	217.6	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°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
2.5°	4422.6	4388.6	4354.7	4318.6	4282.6	4246.3	4210.0	4175.3	4140.6	4106.9
5°	4755.5	4680.6	4605.6	4530.8	4456.2	4380.9	4305.8	4235.6	4165.3	4099.1
7.5°	5090.1	4966.4	4842.8	4728.6	4614.3	4503.0	4391.8	4293.8	4195.8	4105.4
10°	5346.5	5190.1	5033.8	4882.7	4731.9	4596.8	4461.5	4345.7	4229.6	4118.0
12.5°	5503.5	5331.7	5160.0	4988.9	4817.9	4658.5	4499.1	4368.0	4236.8	4119.6
15°	5599.0	5419.9	5240.8	5055.2	4869.6	4686.1	4502.6	4350.8	4198.9	4069.1
17.5°	5652.7	5471.0	5289.4	5086.9	4884.5	4671.4	4458.4	4275.8	4093.2	3940.5
20°	5711.9	5523.1	5334.2	5111.7	4889.2	4631.0	4372.9	4146.6	3920.3	3742.4
22.5°	5780.5	5587.7	5394.7	5145.2	4895.5	4581.5	4267.4	3994.9	3722.4	3519.9
25°	5868.9	5679.8	5490.9	5205.8	4920.4	4532.6	4144.8	3825.6	3506.5	3299.0
27.5°	5988.8	5808.6	5628.2	5300.4	4972.5	4499.9	4027.3	3670.8	3314.3	3125.4
30°	6150.6	5976.3	5802.3	5423.1	5043.9	4484.6	3925.0	3541.4	3157.7	2999.1
32.5°	6341.5	6169.0	5996.7	5551.0	5105.4	4465.6	3825.6	3429.8	3033.9	2906.0
35°	6573.5	6408.4	6243.2	5696.9	5150.5	4430.0	3709.7	3320.1	2930.5	2824.0
37.5°	6964.1	6753.5	6543.0	5860.2	5177.4	4368.9	3560.5	3191.0	2821.6	2728.5
40°	7554.3	7247.5	6940.7	6067.6	5194.2	4284.8	3375.5	3037.0	2698.5	2614.1
42.5°	8337.0	7894.2	7451.4	6338.8	5226.3	4198.0	3170.0	2867.1	2564.1	2486.3
45°	9303.6	8706.3	8109.0	6695.8	5282.6	4117.4	2952.3	2686.5	2420.8	2341.9
47.5°	10512.4	9671.7	8830.9	7076.1	5321.3	4050.8	2780.3	2543.7	2307.1	2205.4
50°	12096.8	10829.4	9561.9	7429.0	5296.0	3978.2	2660.3	2448.9	2237.4	2103.6
52.5°	13915.5	12045.5	10175.4	7658.1	5140.6	3855.6	2570.7	2386.4	2202.2	2048.3
55°	15851.8	13123.6	10395.6	7607.6	4819.4	3652.3	2485.2	2341.1	2197.0	2053.9
57.5°	17612.9	13887.7	10162.5	7252.2	4342.1	3365.7	2389.2	2287.4	2185.6	2059.4
60°	18677.3	14078.7	9479.8	6590.8	3701.9	2993.6	2285.4	2205.4	2125.4	2042.0
62.5°	18136.8	13274.6	8412.4	5696.5	2980.7	2548.3	2115.9	2062.7	2009.7	1999.4
65°	17055.1	12137.0	7218.9	4784.1	2349.4	2147.6	1945.8	1920.7	1895.6	1896.8
67.5°	15605.6	10783.2	5960.7	3890.3	1819.8	1762.6	1705.1	1719.2	1733.0	1729.6
70°	13864.2	9305.9	4747.6	3063.0	1378.5	1394.9	1411.1	1476.1	1541.0	1541.0
72.5°	11789.0	7704.5	3620.1	2341.7	1063.3	1112.7	1162.3	1254.4	1346.4	1361.9
75°	9163.9	5868.7	2573.5	1699.6	825.7	870.5	915.3	1018.5	1121.7	1193.0
77.5°	6547.4	4107.6	1667.7	1151.7	635.6	666.1	696.7	796.9	897.1	1014.7
80°	4285.3	2646.4	1007.6	742.0	476.6	489.2	501.8	586.7	671.5	811.9
82.5°	2491.0	1531.7	572.5	456.4	340.5	342.8	345.3	407.8	470.3	590.2
85°	1096.0	689.0	282.2	244.0	205.9	204.8	203.6	249.3	295.1	384.3
87.5°	339.3	225.7	112.0	101.2	90.3	89.2	88.1	106.7	125.5	162.5
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°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
4069.5	2.5°	4039.2	4009.1	3981.8	3954.7	3930.8	3907.0	3883.0	3859.2	3840.7	3822.1
4033.6	5°	3976.4	3919.2	3871.2	3823.4	3781.1	3738.8	3700.4	3661.9	3632.4	3602.8
4020.6	7.5°	3944.6	3868.7	3805.5	3742.4	3689.2	3635.9	3588.9	3542.0	3506.8	3471.8
4026.9	10°	3946.8	3866.6	3803.5	3740.4	3683.1	3625.6	3572.8	3519.9	3477.9	3435.8
4034.8	12.5°	3969.2	3903.8	3861.9	3820.2	3775.1	3730.3	3675.5	3620.9	3567.2	3513.6
4001.2	15°	3969.8	3938.6	3944.2	3949.9	3938.3	3926.6	3879.1	3831.6	3755.2	3678.8
3898.6	17.5°	3910.2	3921.5	3990.3	4059.1	4095.7	4132.2	4093.8	4055.7	3954.5	3853.3
3731.4	20°	3785.0	3838.7	3958.1	4077.8	4154.3	4230.8	4213.2	4195.3	4079.6	3964.1
3541.5	22.5°	3620.9	3700.3	3836.6	3973.3	4072.9	4172.4	4183.2	4193.7	4083.3	3972.8
3357.4	25°	3448.9	3540.4	3663.0	3785.8	3883.8	3981.8	4018.4	4054.9	3964.3	3873.9
3196.4	27.5°	3284.8	3373.1	3474.0	3574.7	3653.2	3731.8	3772.6	3813.4	3748.9	3684.5
3054.8	30°	3124.9	3195.3	3278.9	3362.6	3427.7	3493.1	3526.2	3559.4	3510.3	3461.0
2930.8	32.5°	2972.3	3013.8	3080.6	3147.5	3210.0	3272.6	3309.4	3346.3	3301.2	3255.9
2813.7	35°	2825.1	2836.6	2887.6	2938.4	3000.2	3062.3	3106.4	3150.6	3118.4	3086.4
2690.9	37.5°	2678.3	2665.7	2702.3	2738.8	2800.5	2862.3	2916.9	2971.5	2956.7	2941.9
2556.5	40°	2527.9	2499.4	2525.7	2552.1	2611.7	2671.4	2734.2	2797.1	2800.8	2804.2
2413.7	42.5°	2375.8	2337.9	2359.4	2381.0	2437.5	2494.2	2562.0	2629.9	2648.0	2666.2
2271.6	45°	2234.7	2197.9	2215.9	2234.2	2287.9	2341.6	2411.9	2482.3	2508.4	2534.4
2144.9	47.5°	2114.0	2083.1	2100.1	2117.0	2169.5	2221.9	2291.4	2360.8	2390.8	2420.8
2033.4	50°	2005.9	1978.6	2005.1	2031.8	2081.3	2130.7	2192.9	2255.1	2293.6	2332.1
1950.2	52.5°	1923.0	1896.1	1936.0	1975.8	2021.2	2066.5	2124.4	2182.5	2228.1	2273.7
1906.0	55°	1863.1	1820.3	1877.0	1933.5	1982.4	2031.3	2082.1	2132.8	2181.1	2229.5
1879.5	57.5°	1817.0	1754.5	1815.4	1876.3	1933.8	1991.2	2041.4	2091.7	2140.5	2189.1
1854.6	60°	1773.6	1692.5	1746.0	1799.3	1865.3	1931.3	1982.2	2033.4	2082.3	2131.2
1825.5	62.5°	1724.2	1623.1	1657.0	1690.9	1767.8	1844.8	1899.2	1953.7	1998.5	2043.3
1764.3	65°	1656.7	1548.9	1562.0	1574.9	1657.3	1739.8	1791.9	1844.0	1883.4	1922.9
1655.1	67.5°	1565.5	1475.8	1471.7	1467.6	1543.7	1619.9	1669.3	1718.5	1752.6	1786.7
1516.5	70°	1452.8	1389.0	1374.8	1360.6	1427.5	1494.4	1537.0	1579.7	1610.4	1641.2
1362.2	72.5°	1318.5	1274.8	1253.9	1233.3	1286.0	1338.5	1377.0	1415.5	1445.7	1475.8
1187.0	75°	1153.4	1119.6	1099.8	1079.7	1118.9	1158.0	1192.9	1227.7	1255.2	1282.7
1011.5	77.5°	984.6	957.6	937.4	917.2	949.1	980.8	1010.8	1040.7	1069.6	1098.3
811.4	80°	788.9	766.2	749.3	732.2	758.7	785.1	810.3	835.6	857.5	879.3
596.8	82.5°	585.8	574.7	562.7	550.7	548.5	546.3	537.5	528.7	575.4	622.1
392.9	85°	381.1	369.3	355.9	342.4	331.1	319.6	295.1	270.6	314.4	358.2
173.6	87.5°	168.9	164.1	161.6	159.1	158.6	158.1	139.5	120.7	139.0	157.5
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°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
3807.1	2.5°	3792.1	3780.4	3768.8	3758.0	3747.1	3733.7	3747.1	3758.0	3768.8	3780.4
3582.1	5°	3561.4	3546.7	3532.1	3520.8	3509.6	3498.6	3509.6	3520.8	3532.1	3546.7
3447.2	7.5°	3422.5	3405.6	3388.9	3378.8	3368.9	3361.3	3368.9	3378.8	3388.9	3405.6
3408.3	10°	3380.6	3364.6	3348.7	3340.2	3331.6	3328.2	3331.6	3340.2	3348.7	3364.6
3478.1	12.5°	3442.6	3424.7	3407.1	3399.8	3392.6	3391.3	3392.6	3399.8	3407.1	3424.7
3624.8	15°	3570.9	3546.1	3521.5	3512.0	3502.5	3501.8	3502.5	3512.0	3521.5	3546.1
3773.8	17.5°	3694.3	3657.7	3620.9	3608.9	3596.8	3594.9	3596.8	3608.9	3620.9	3657.7
3866.6	20°	3769.2	3722.4	3675.3	3660.4	3645.4	3640.6	3645.4	3660.4	3675.3	3722.4
3872.4	22.5°	3771.9	3722.5	3673.0	3656.4	3639.8	3632.7	3639.8	3656.4	3673.0	3722.5
3784.5	25°	3695.5	3652.6	3609.9	3594.2	3578.8	3569.6	3578.8	3594.2	3609.9	3652.6
3615.2	27.5°	3545.9	3517.2	3488.3	3481.2	3474.1	3471.8	3474.1	3481.2	3488.3	3517.2
3411.5	30°	3361.6	3346.9	3332.1	3332.1	3332.1	3334.5	3332.1	3332.1	3332.1	3346.9
3216.3	32.5°	3176.7	3167.0	3157.4	3158.7	3160.1	3162.5	3160.1	3158.7	3157.4	3167.0
3049.8	35°	3013.3	2998.7	2984.1	2981.0	2977.8	2976.3	2977.8	2981.0	2984.1	2998.7
2908.2	37.5°	2874.5	2847.8	2821.3	2807.2	2793.2	2785.3	2793.2	2807.2	2821.3	2847.8
2775.7	40°	2747.1	2708.3	2669.8	2643.6	2617.7	2602.2	2617.7	2643.6	2669.8	2708.3
2642.0	42.5°	2618.0	2569.9	2521.8	2483.7	2445.7	2420.8	2445.7	2483.7	2521.8	2569.9
2512.6	45°	2491.0	2435.9	2381.0	2336.3	2291.7	2263.0	2291.7	2336.3	2381.0	2435.9
2405.6	47.5°	2390.5	2341.6	2292.6	2251.3	2210.1	2182.5	2210.1	2251.3	2292.6	2341.6
2331.1	50°	2330.5	2291.4	2252.2	2214.0	2175.9	2149.3	2175.9	2214.0	2252.2	2291.4
2281.9	52.5°	2290.1	2258.2	2226.4	2192.1	2158.0	2133.6	2158.0	2192.1	2226.4	2258.2
2240.9	55°	2252.2	2224.5	2196.7	2166.7	2136.7	2114.6	2136.7	2166.7	2196.7	2224.5
2200.6	57.5°	2212.1	2184.1	2156.0	2126.3	2096.5	2073.6	2096.5	2126.3	2156.0	2184.1
2143.8	60°	2156.4	2129.0	2101.7	2071.1	2040.5	2016.8	2040.5	2071.1	2101.7	2129.0
2055.4	62.5°	2067.6	2042.8	2018.0	1985.9	1953.7	1925.3	1953.7	1985.9	2018.0	2042.8
1935.4	65°	1947.7	1923.8	1900.0	1868.8	1837.7	1813.2	1837.7	1868.8	1900.0	1923.8
1798.9	67.5°	1810.8	1788.9	1767.1	1738.1	1709.1	1687.0	1709.1	1738.1	1767.1	1788.9
1652.9	70°	1664.6	1646.7	1628.9	1601.1	1573.3	1548.1	1573.3	1601.1	1628.9	1646.7
1489.7	72.5°	1503.6	1488.8	1473.9	1447.4	1421.1	1396.6	1421.1	1447.4	1473.9	1488.8
1297.2	75°	1311.7	1304.4	1297.2	1274.9	1252.7	1229.3	1252.7	1274.9	1297.2	1304.4
1111.9	77.5°	1125.5	1115.4	1105.0	1082.6	1060.2	1041.5	1060.2	1082.6	1105.0	1115.4
897.3	80°	915.3	910.9	906.6	876.5	846.2	811.1	846.2	876.5	906.6	910.9
652.7	82.5°	683.3	681.4	679.4	654.0	628.4	606.0	628.4	654.0	679.4	681.4
396.1	85°	434.0	430.8	427.7	407.8	387.9	367.7	387.9	407.8	427.7	430.8
172.8	87.5°	188.1	184.3	180.2	170.1	159.7	149.9	159.7	170.1	180.2	184.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
3792.1	2.5°	3807.1	3822.1	3840.7	3859.2	3883.0	3907.0	3930.8	3954.7	3981.8	4009.1
3561.4	5°	3582.1	3602.8	3632.4	3661.9	3700.4	3738.8	3781.1	3823.4	3871.2	3919.2
3422.5	7.5°	3447.2	3471.8	3506.8	3542.0	3588.9	3635.9	3689.2	3742.4	3805.5	3868.7
3380.6	10°	3408.3	3435.8	3477.9	3519.9	3572.8	3625.6	3683.1	3740.4	3803.5	3866.6
3442.6	12.5°	3478.1	3513.6	3567.2	3620.9	3675.5	3730.3	3775.1	3820.2	3861.9	3903.8
3570.9	15°	3624.8	3678.8	3755.2	3831.6	3879.1	3926.6	3938.3	3949.9	3944.2	3938.6
3694.3	17.5°	3773.8	3853.3	3954.5	4055.7	4093.8	4132.2	4095.7	4059.1	3990.3	3921.5
3769.2	20°	3866.6	3964.1	4079.6	4195.3	4213.2	4230.8	4154.3	4077.8	3958.1	3838.7
3771.9	22.5°	3872.4	3972.8	4083.3	4193.7	4183.2	4172.4	4072.9	3973.3	3836.6	3700.3
3695.5	25°	3784.5	3873.9	3964.3	4054.9	4018.4	3981.8	3883.8	3785.8	3663.0	3540.4
3545.9	27.5°	3615.2	3684.5	3748.9	3813.4	3772.6	3731.8	3653.2	3574.7	3474.0	3373.1
3361.6	30°	3411.5	3461.0	3510.3	3559.4	3526.2	3493.1	3427.7	3362.6	3278.9	3195.3
3176.7	32.5°	3216.3	3255.9	3301.2	3346.3	3309.4	3272.6	3210.0	3147.5	3080.6	3013.8
3013.3	35°	3049.8	3086.4	3118.4	3150.6	3106.4	3062.3	3000.2	2938.4	2887.6	2836.6
2874.5	37.5°	2908.2	2941.9	2956.7	2971.5	2916.9	2862.3	2800.5	2738.8	2702.3	2665.7
2747.1	40°	2775.7	2804.2	2800.8	2797.1	2734.2	2671.4	2611.7	2552.1	2525.7	2499.4
2618.0	42.5°	2642.0	2666.2	2648.0	2629.9	2562.0	2494.2	2437.5	2381.0	2359.4	2337.9
2491.0	45°	2512.6	2534.4	2508.4	2482.3	2411.9	2341.6	2287.9	2234.2	2215.9	2197.9
2390.5	47.5°	2405.6	2420.8	2390.8	2360.8	2291.4	2221.9	2169.5	2117.0	2100.1	2083.1
2330.5	50°	2331.1	2332.1	2293.6	2255.1	2192.9	2130.7	2081.3	2031.8	2005.1	1978.6
2290.1	52.5°	2281.9	2273.7	2228.1	2182.5	2124.4	2066.5	2021.2	1975.8	1936.0	1896.1
2252.2	55°	2240.9	2229.5	2181.1	2132.8	2082.1	2031.3	1982.4	1933.5	1877.0	1820.3
2212.1	57.5°	2200.6	2189.1	2140.5	2091.7	2041.4	1991.2	1933.8	1876.3	1815.4	1754.5
2156.4	60°	2143.8	2131.2	2082.3	2033.4	1982.2	1931.3	1865.3	1799.3	1746.0	1692.5
2067.6	62.5°	2055.4	2043.3	1998.5	1953.7	1899.2	1844.8	1767.8	1690.9	1657.0	1623.1
1947.7	65°	1935.4	1922.9	1883.4	1844.0	1791.9	1739.8	1657.3	1574.9	1562.0	1548.9
1810.8	67.5°	1798.9	1786.7	1752.6	1718.5	1669.3	1619.9	1543.7	1467.6	1471.7	1475.8
1664.6	70°	1652.9	1641.2	1610.4	1579.7	1537.0	1494.4	1427.5	1360.6	1374.8	1389.0
1503.6	72.5°	1489.7	1475.8	1445.7	1415.5	1377.0	1338.5	1286.0	1233.3	1253.9	1274.8
1311.7	75°	1297.2	1282.7	1255.2	1227.7	1192.9	1158.0	1118.9	1079.7	1099.8	1119.6
1125.5	77.5°	1111.9	1098.3	1069.6	1040.7	1010.8	980.8	949.1	917.2	937.4	957.6
915.3	80°	897.3	879.3	857.5	835.6	810.3	785.1	758.7	732.2	749.3	766.2
683.3	82.5°	652.7	622.1	575.4	528.7	537.5	546.3	548.5	550.7	562.7	574.7
434.0	85°	396.1	358.2	314.4	270.6	295.1	319.6	331.1	342.4	355.9	369.3
188.1	87.5°	172.8	157.5	139.0	120.7	139.5	158.1	158.6	159.1	161.6	164.1
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°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
4039.2	2.5°	4069.5	4106.9	4140.6	4175.3	4210.0	4246.3	4282.6	4318.6	4354.7	4388.6
3976.4	5°	4033.6	4099.1	4165.3	4235.6	4305.8	4380.9	4456.2	4530.8	4605.6	4680.6
3944.6	7.5°	4020.6	4105.4	4195.8	4293.8	4391.8	4503.0	4614.3	4728.6	4842.8	4966.4
3946.8	10°	4026.9	4118.0	4229.6	4345.7	4461.5	4596.8	4731.9	4882.7	5033.8	5190.1
3969.2	12.5°	4034.8	4119.6	4236.8	4368.0	4499.1	4658.5	4817.9	4988.9	5160.0	5331.7
3969.8	15°	4001.2	4069.1	4198.9	4350.8	4502.6	4686.1	4869.6	5055.2	5240.8	5419.9
3910.2	17.5°	3898.6	3940.5	4093.2	4275.8	4458.4	4671.4	4884.5	5086.9	5289.4	5471.0
3785.0	20°	3731.4	3742.4	3920.3	4146.6	4372.9	4631.0	4889.2	5111.7	5334.2	5523.1
3620.9	22.5°	3541.5	3519.9	3722.4	3994.9	4267.4	4581.5	4895.5	5145.2	5394.7	5587.7
3448.9	25°	3357.4	3299.0	3506.5	3825.6	4144.8	4532.6	4920.4	5205.8	5490.9	5679.8
3284.8	27.5°	3196.4	3125.4	3314.3	3670.8	4027.3	4499.9	4972.5	5300.4	5628.2	5808.6
3124.9	30°	3054.8	2999.1	3157.7	3541.4	3925.0	4484.6	5043.9	5423.1	5802.3	5976.3
2972.3	32.5°	2930.8	2906.0	3033.9	3429.8	3825.6	4465.6	5105.4	5551.0	5996.7	6169.0
2825.1	35°	2813.7	2824.0	2930.5	3320.1	3709.7	4430.0	5150.5	5696.9	6243.2	6408.4
2678.3	37.5°	2690.9	2728.5	2821.6	3191.0	3560.5	4368.9	5177.4	5860.2	6543.0	6753.5
2527.9	40°	2556.5	2614.1	2698.5	3037.0	3375.5	4284.8	5194.2	6067.6	6940.7	7247.5
2375.8	42.5°	2413.7	2486.3	2564.1	2867.1	3170.0	4198.0	5226.3	6338.8	7451.4	7894.2
2234.7	45°	2271.6	2341.9	2420.8	2686.5	2952.3	4117.4	5282.6	6695.8	8109.0	8706.3
2114.0	47.5°	2144.9	2205.4	2307.1	2543.7	2780.3	4050.8	5321.3	7076.1	8830.9	9671.7
2005.9	50°	2033.4	2103.6	2237.4	2448.9	2660.3	3978.2	5296.0	7429.0	9561.9	10829.4
1923.0	52.5°	1950.2	2048.3	2202.2	2386.4	2570.7	3855.6	5140.6	7658.1	10175.4	12045.5
1863.1	55°	1906.0	2053.9	2197.0	2341.1	2485.2	3652.3	4819.4	7607.6	10395.6	13123.6
1817.0	57.5°	1879.5	2059.4	2185.6	2287.4	2389.2	3365.7	4342.1	7252.2	10162.5	13887.7
1773.6	60°	1854.6	2042.0	2125.4	2205.4	2285.4	2993.6	3701.9	6590.8	9479.8	14078.7
1724.2	62.5°	1825.5	1999.4	2009.7	2062.7	2115.9	2548.3	2980.7	5696.5	8412.4	13274.6
1656.7	65°	1764.3	1896.8	1895.6	1920.7	1945.8	2147.6	2349.4	4784.1	7218.9	12137.0
1565.5	67.5°	1655.1	1729.6	1733.0	1719.2	1705.1	1762.6	1819.8	3890.3	5960.7	10783.2
1452.8	70°	1516.5	1541.0	1541.0	1476.1	1411.1	1394.9	1378.5	3063.0	4747.6	9305.9
1318.5	72.5°	1362.2	1361.9	1346.4	1254.4	1162.3	1112.7	1063.3	2341.7	3620.1	7704.5
1153.4	75°	1187.0	1193.0	1121.7	1018.5	915.3	870.5	825.7	1699.6	2573.5	5868.7
984.6	77.5°	1011.5	1014.7	897.1	796.9	696.7	666.1	635.6	1151.7	1667.7	4107.6
788.9	80°	811.4	811.9	671.5	586.7	501.8	489.2	476.6	742.0	1007.6	2646.4
585.8	82.5°	596.8	590.2	470.3	407.8	345.3	342.8	340.5	456.4	572.5	1531.7
381.1	85°	392.9	384.3	295.1	249.3	203.6	204.8	205.9	244.0	282.2	689.0
168.9	87.5°	173.6	162.5	125.5	106.7	88.1	89.2	90.3	101.2	112.0	225.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
4422.6	2.5°	4439.3	4456.2	4480.0	4503.8	4518.0	4532.2	4539.3	4546.4	4543.3	4546.4
4755.5	5°	4814.1	4872.8	4930.9	4989.1	5020.7	5052.2	5071.3	5090.6	5105.1	5090.6
5090.1	7.5°	5185.4	5280.6	5366.3	5451.9	5503.5	5555.1	5583.1	5610.9	5624.3	5610.9
5346.5	10°	5459.2	5571.9	5672.4	5772.9	5833.8	5894.4	5921.6	5948.6	5958.8	5948.6
5503.5	12.5°	5625.7	5747.7	5838.6	5929.2	5973.3	6017.5	6032.4	6047.2	6048.8	6047.2
5599.0	15°	5704.4	5809.7	5866.7	5923.8	5925.4	5926.9	5911.2	5895.4	5876.8	5895.4
5652.7	17.5°	5723.8	5795.0	5796.1	5797.1	5733.2	5669.2	5610.7	5552.0	5510.6	5552.0
5711.9	20°	5736.6	5761.6	5686.6	5611.6	5470.6	5329.5	5226.8	5124.0	5060.9	5124.0
5780.5	22.5°	5748.0	5715.5	5560.2	5404.9	5197.4	4989.9	4861.4	4733.0	4663.2	4733.0
5868.9	25°	5766.3	5663.7	5428.0	5192.2	4940.2	4688.2	4553.1	4418.3	4352.3	4418.3
5988.8	27.5°	5805.4	5621.9	5309.6	4997.5	4718.1	4438.8	4305.9	4173.2	4110.9	4173.2
6150.6	30°	5877.1	5603.8	5219.3	4834.9	4543.9	4252.9	4129.7	4006.4	3948.4	4006.4
6341.5	32.5°	5967.0	5592.7	5157.8	4722.9	4449.4	4175.9	4079.2	3982.3	3940.5	3982.3
6573.5	35°	6115.2	5657.1	5203.9	4750.8	4560.8	4371.0	4348.4	4325.8	4322.4	4325.8
6964.1	37.5°	6425.0	5885.9	5474.0	5062.2	5049.8	5037.5	5140.7	5244.0	5297.6	5244.0
7554.3	40°	6968.0	6381.7	6075.4	5769.1	5985.3	6201.5	6452.4	6703.4	6828.3	6703.4
8337.0	42.5°	7755.3	7173.6	6997.2	6820.8	7292.3	7763.8	8220.2	8676.6	8944.5	8676.6
9303.6	45°	8781.1	8258.4	8180.6	8102.6	8858.1	9613.6	10363.6	11113.6	11568.9	11113.6
10512.4	47.5°	10004.1	9495.6	9479.8	9464.0	10553.9	11643.4	12741.2	13839.0	14483.6	13839.0
12096.8	50°	11468.8	10841.1	10843.8	10846.4	12250.9	13655.4	15104.6	16553.7	17429.9	16553.7
13915.5	52.5°	13155.2	12395.0	12318.2	12241.1	13918.8	15596.5	17389.5	19182.3	20232.5	19182.3
15851.8	55°	15100.6	14349.5	14049.8	13750.1	15617.3	17484.3	19621.8	21759.3	23008.4	21759.3
17612.9	57.5°	17203.9	16794.7	16193.6	15592.7	17478.0	19363.3	21784.4	24205.3	25754.2	24205.3
18677.3	60°	19312.7	19948.2	19201.7	18455.3	20239.5	22023.7	24615.8	27208.0	28882.0	27208.0
18136.8	62.5°	19872.9	21608.9	21524.8	21440.6	23075.0	24709.5	27175.8	29641.8	31189.1	29641.8
17055.1	65°	18684.4	20313.8	20636.2	20958.4	23035.5	25112.7	27504.2	29895.4	31212.8	29895.4
15605.6	67.5°	17155.3	18705.0	18856.1	19007.2	21171.3	23335.3	25737.0	28138.7	29170.8	28138.7
13864.2	70°	15549.7	17235.4	17303.0	17370.7	19306.0	21241.2	23308.0	25374.7	25948.3	25374.7
11789.0	72.5°	13723.3	15657.7	15706.3	15754.7	17268.9	18783.1	20331.0	21878.8	21936.9	21878.8
9163.9	75°	11165.8	13167.8	13347.5	13527.3	14705.3	15883.4	16973.0	18062.7	17770.7	18062.7
6547.4	77.5°	8416.2	10285.1	10542.3	10799.6	11695.1	12590.7	13363.5	14136.4	13634.6	14136.4
4285.3	80°	5857.5	7429.6	7749.3	8069.0	8745.4	9421.4	9827.3	10233.0	9425.9	10233.0
2491.0	82.5°	3565.8	4640.8	4997.9	5355.2	5820.7	6286.3	6455.6	6624.8	5990.4	6624.8
1096.0	85°	1666.4	2236.9	2540.7	2844.5	3227.0	3609.4	3705.5	3801.6	3293.4	3801.6
339.3	87.5°	531.0	722.8	892.2	1061.7	1253.0	1444.3	1452.5	1460.5	1226.2	1460.5
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°
4112.5	0°	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5	4112.5
4539.3	2.5°	4532.2	4518.0	4503.8	4480.0	4456.2	4439.3	4422.6
5071.3	5°	5052.2	5020.7	4989.1	4930.9	4872.8	4814.1	4755.5
5583.1	7.5°	5555.1	5503.5	5451.9	5366.3	5280.6	5185.4	5090.1
5921.6	10°	5894.4	5833.8	5772.9	5672.4	5571.9	5459.2	5346.5
6032.4	12.5°	6017.5	5973.3	5929.2	5838.6	5747.7	5625.7	5503.5
5911.2	15°	5926.9	5925.4	5923.8	5866.7	5809.7	5704.4	5599.0
5610.7	17.5°	5669.2	5733.2	5797.1	5796.1	5795.0	5723.8	5652.7
5226.8	20°	5329.5	5470.6	5611.6	5686.6	5761.6	5736.6	5711.9
4861.4	22.5°	4989.9	5197.4	5404.9	5560.2	5715.5	5748.0	5780.5
4553.1	25°	4688.2	4940.2	5192.2	5428.0	5663.7	5766.3	5868.9
4305.9	27.5°	4438.8	4718.1	4997.5	5309.6	5621.9	5805.4	5988.8
4129.7	30°	4252.9	4543.9	4834.9	5219.3	5603.8	5877.1	6150.6
4079.2	32.5°	4175.9	4449.4	4722.9	5157.8	5592.7	5967.0	6341.5
4348.4	35°	4371.0	4560.8	4750.8	5203.9	5657.1	6115.2	6573.5
5140.7	37.5°	5037.5	5049.8	5062.2	5474.0	5885.9	6425.0	6964.1
6452.4	40°	6201.5	5985.3	5769.1	6075.4	6381.7	6968.0	7554.3
8220.2	42.5°	7763.8	7292.3	6820.8	6997.2	7173.6	7755.3	8337.0
10363.6	45°	9613.6	8858.1	8102.6	8180.6	8258.4	8781.1	9303.6
12741.2	47.5°	11643.4	10553.9	9464.0	9479.8	9495.6	10004.1	10512.4
15104.6	50°	13655.4	12250.9	10846.4	10843.8	10841.1	11468.8	12096.8
17389.5	52.5°	15596.5	13918.8	12241.1	12318.2	12395.0	13155.2	13915.5
19621.8	55°	17484.3	15617.3	13750.1	14049.8	14349.5	15100.6	15851.8
21784.4	57.5°	19363.3	17478.0	15592.7	16193.6	16794.7	17203.9	17612.9
24615.8	60°	22023.7	20239.5	18455.3	19201.7	19948.2	19312.7	18677.3
27175.8	62.5°	24709.5	23075.0	21440.6	21524.8	21608.9	19872.9	18136.8
27504.2	65°	25112.7	23035.5	20958.4	20636.2	20313.8	18684.4	17055.1
25737.0	67.5°	23335.3	21171.3	19007.2	18856.1	18705.0	17155.3	15605.6
23308.0	70°	21241.2	19306.0	17370.7	17303.0	17235.4	15549.7	13864.2
20331.0	72.5°	18783.1	17268.9	15754.7	15706.3	15657.7	13723.3	11789.0
16973.0	75°	15883.4	14705.3	13527.3	13347.5	13167.8	11165.8	9163.9
13363.5	77.5°	12590.7	11695.1	10799.6	10542.3	10285.1	8416.2	6547.4
9827.3	80°	9421.4	8745.4	8069.0	7749.3	7429.6	5857.5	4285.3
6455.6	82.5°	6286.3	5820.7	5355.2	4997.9	4640.8	3565.8	2491.0
3705.5	85°	3609.4	3227.0	2844.5	2540.7	2236.9	1666.4	1096.0
1452.5	87.5°	1444.3	1253.0	1061.7	892.2	722.8	531.0	339.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)