

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: P952507

Luminaire Tested: **GALN-SB6B-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952507
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-SB6B-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30573 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

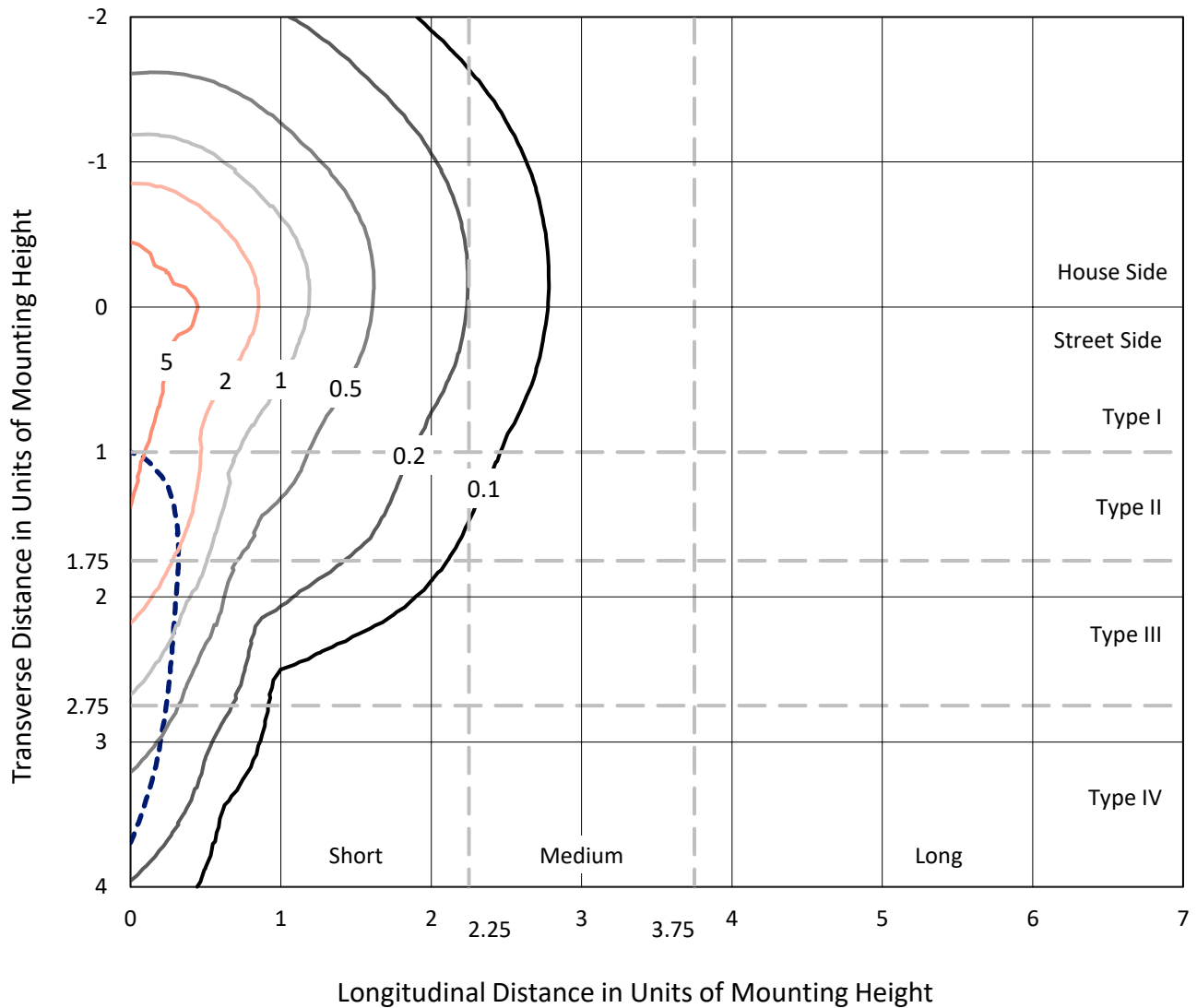
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

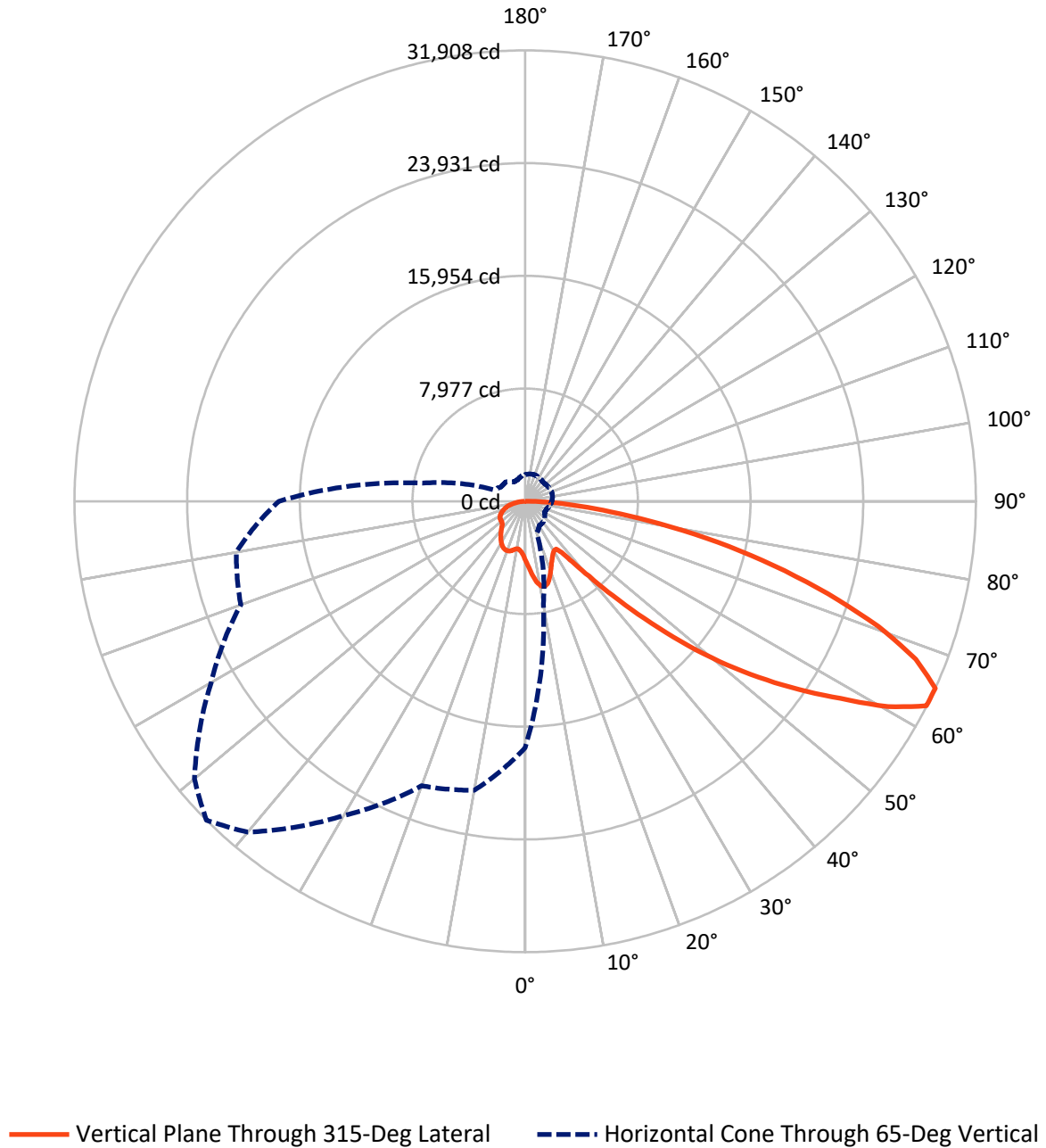
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7770.1	0.0	7770.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22802.9	0.0	22802.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	30573.0	0.0	30573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.0	1.4
10°-20°	1309.2	4.3
20°-30°	2022.2	6.6
30°-40°	2562.7	8.4
40°-50°	3865.1	12.6
50°-60°	6244.7	20.4
60°-70°	7785.0	25.5
70°-80°	5105.0	16.7
80°-90°	1262.1	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°	30573.0	100.0
0°-180°	30573.0	100.0

Coefficient of Utilization



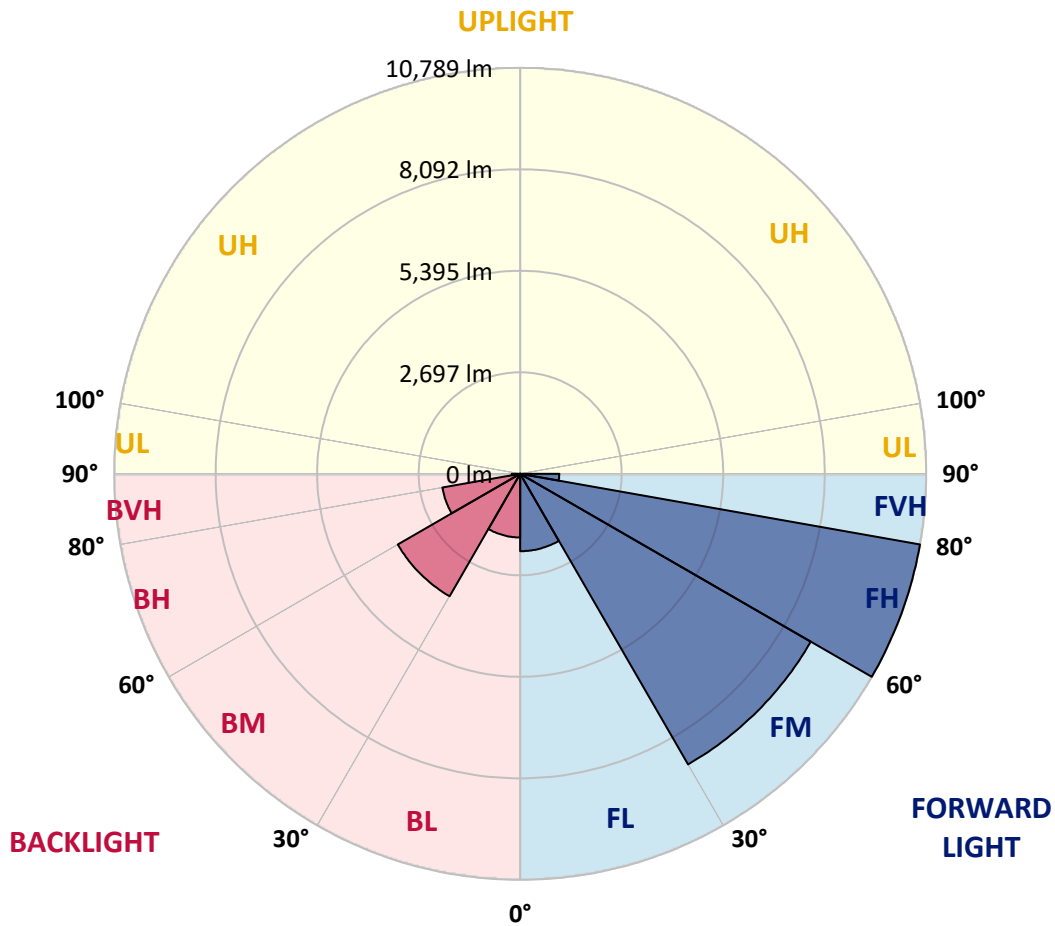
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2056.4	6.7			
FM (30°-60°)	8917.5	29.2			
FH (60°-80°)	10789.3	35.3			G4/12000
FVH (80°-90°)	1039.7	3.4			G5
BL (0°-30°)	1692.0	5.5	B3/2500		
BM (30°-60°)	3755.0	12.3	B3/5000		
BH (60°-80°)	2100.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	222.4	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°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
2.5°	4521.0	4486.4	4451.7	4414.7	4378.0	4340.9	4303.7	4268.3	4232.8	4198.4
5°	4861.4	4784.8	4708.2	4631.7	4555.4	4478.5	4401.7	4329.9	4258.1	4190.3
7.5°	5203.4	5077.0	4950.6	4833.9	4717.1	4603.3	4489.6	4389.4	4289.2	4196.8
10°	5465.6	5305.7	5145.8	4991.5	4837.2	4699.1	4560.9	4442.5	4323.8	4209.7
12.5°	5626.1	5450.4	5274.9	5100.0	4925.2	4762.2	4599.3	4465.2	4331.2	4211.3
15°	5723.7	5540.6	5357.5	5167.8	4978.1	4790.5	4602.8	4447.6	4292.5	4159.7
17.5°	5778.6	5592.9	5407.2	5200.2	4993.2	4775.5	4557.7	4371.0	4184.4	4028.2
20°	5839.0	5646.1	5453.0	5225.5	4998.1	4734.2	4470.2	4238.9	4007.6	3825.8
22.5°	5909.2	5712.1	5514.8	5259.7	5004.5	4683.5	4362.5	4083.9	3805.3	3598.3
25°	5999.6	5806.3	5613.2	5321.7	5030.0	4633.5	4237.1	3910.8	3584.6	3372.4
27.5°	6122.2	5937.9	5753.5	5418.5	5083.3	4600.1	4116.9	3752.5	3388.1	3195.0
30°	6287.5	6109.4	5931.5	5543.8	5156.2	4584.4	4012.4	3620.2	3228.1	3065.9
32.5°	6482.7	6306.4	6130.2	5674.7	5219.1	4565.1	3910.8	3506.2	3101.4	2970.7
35°	6719.9	6551.1	6382.2	5823.7	5265.2	4528.6	3792.4	3394.1	2995.7	2886.9
37.5°	7119.1	6903.9	6688.7	5990.7	5292.7	4466.2	3639.7	3262.1	2884.4	2789.3
40°	7722.5	7408.9	7095.3	6202.7	5309.9	4380.2	3450.7	3104.6	2758.6	2672.3
42.5°	8522.6	8070.0	7617.3	6480.0	5342.7	4291.5	3240.6	2930.9	2621.2	2541.6
45°	9510.7	8900.1	8289.5	6844.9	5400.3	4209.1	3018.0	2746.3	2474.7	2394.0
47.5°	10746.5	9887.1	9027.6	7233.7	5439.8	4141.0	2842.2	2600.3	2358.5	2254.5
50°	12366.1	11070.6	9774.8	7594.4	5414.0	4066.8	2719.6	2503.4	2287.2	2150.4
52.5°	14225.4	12313.7	10402.0	7828.6	5255.1	3941.4	2627.9	2439.5	2251.2	2094.0
55°	16204.8	13415.9	10627.1	7777.0	4926.8	3733.6	2540.5	2393.2	2245.9	2099.6
57.5°	18005.1	14197.0	10388.8	7413.7	4438.8	3440.7	2442.4	2338.4	2234.3	2105.3
60°	19093.3	14392.2	9690.9	6737.6	3784.3	3060.3	2336.3	2254.5	2172.7	2087.5
62.5°	18540.7	13570.2	8599.8	5823.4	3047.0	2605.0	2163.0	2108.6	2054.4	2043.9
65°	17434.9	12407.3	7379.7	4890.6	2401.8	2195.4	1989.1	1963.4	1937.8	1939.1
67.5°	15953.1	11023.3	6093.5	3976.9	1860.4	1801.8	1743.1	1757.4	1771.6	1768.1
70°	14172.9	9513.2	4853.4	3131.3	1409.1	1425.9	1442.5	1509.0	1575.3	1575.3
72.5°	12051.6	7876.1	3700.7	2393.9	1087.0	1137.5	1188.1	1282.3	1376.4	1392.2
75°	9368.0	5999.4	2630.8	1737.4	844.0	889.9	935.7	1041.2	1146.7	1219.6
77.5°	6693.2	4199.0	1704.9	1177.3	649.8	680.9	712.2	814.7	917.1	1037.3
80°	4380.7	2705.4	1030.0	758.5	487.2	500.1	513.0	599.8	686.4	830.0
82.5°	2546.5	1565.8	585.3	466.5	348.1	350.4	353.0	416.9	480.7	603.3
85°	1120.4	704.3	288.4	249.4	210.5	209.4	208.1	254.9	301.7	392.8
87.5°	346.8	230.7	114.5	103.4	92.3	91.1	90.0	109.1	128.3	166.2
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°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
4160.2	2.5°	4129.2	4098.4	4070.5	4042.7	4018.4	3994.0	3969.5	3945.1	3926.3	3907.2
4123.4	5°	4065.0	4006.4	3957.4	3908.5	3865.3	3822.0	3782.8	3743.5	3713.3	3683.0
4110.2	7.5°	4032.4	3954.8	3890.3	3825.8	3771.4	3716.9	3668.8	3620.9	3584.9	3549.1
4116.6	10°	4034.7	3952.7	3888.2	3823.7	3765.1	3706.4	3652.3	3598.3	3555.4	3512.3
4124.7	12.5°	4057.6	3990.8	3947.9	3905.3	3859.1	3813.3	3757.4	3701.5	3646.7	3591.8
4090.3	15°	4058.2	4026.3	4032.1	4037.9	4026.0	4014.0	3965.5	3916.9	3838.8	3760.7
3985.5	17.5°	3997.2	4008.9	4079.2	4149.5	4187.0	4224.2	4185.0	4146.0	4042.6	3939.2
3814.5	20°	3869.3	3924.2	4046.3	4168.6	4246.8	4325.0	4307.0	4288.7	4170.5	4052.4
3620.4	22.5°	3701.5	3782.7	3922.1	4061.8	4163.6	4265.4	4276.3	4287.1	4174.2	4061.3
3432.1	25°	3525.7	3619.3	3744.6	3870.1	3970.3	4070.5	4107.9	4145.2	4052.6	3960.1
3267.6	27.5°	3357.9	3448.3	3551.3	3654.3	3734.6	3814.9	3856.6	3898.3	3832.4	3766.5
3122.9	30°	3194.5	3266.4	3351.9	3437.4	3504.1	3570.9	3604.7	3638.6	3588.4	3538.1
2996.1	32.5°	3038.5	3080.9	3149.2	3217.6	3281.5	3345.5	3383.1	3420.8	3374.7	3328.4
2876.4	35°	2888.0	2899.8	2951.9	3003.8	3067.1	3130.5	3175.6	3220.8	3187.9	3155.1
2750.9	37.5°	2738.0	2725.1	2762.5	2799.7	2862.8	2926.1	2981.9	3037.7	3022.5	3007.4
2613.4	40°	2584.2	2555.0	2582.0	2608.9	2669.9	2730.9	2795.1	2859.4	2863.1	2866.7
2467.4	42.5°	2428.7	2390.0	2411.9	2434.0	2491.8	2549.7	2619.1	2688.4	2707.0	2725.5
2322.2	45°	2284.5	2246.9	2265.3	2284.0	2338.8	2393.7	2465.6	2537.6	2564.2	2590.8
2192.7	47.5°	2161.1	2129.5	2146.9	2164.1	2217.9	2271.4	2342.4	2413.4	2444.0	2474.7
2078.6	50°	2050.6	2022.7	2049.8	2077.0	2127.7	2178.2	2241.7	2305.3	2344.7	2384.0
1993.6	52.5°	1965.9	1938.3	1979.1	2019.8	2066.2	2112.5	2171.7	2231.1	2277.7	2324.3
1948.4	55°	1904.6	1860.8	1918.8	1976.5	2026.5	2076.5	2128.5	2180.3	2229.6	2279.2
1921.3	57.5°	1857.5	1793.6	1855.8	1918.1	1976.8	2035.6	2086.9	2138.3	2188.2	2237.9
1895.9	60°	1813.1	1730.2	1784.9	1839.4	1906.8	1974.3	2026.4	2078.6	2128.6	2178.7
1866.2	62.5°	1762.6	1659.2	1693.9	1728.6	1807.1	1885.9	1941.5	1997.2	2043.0	2088.8
1803.6	65°	1693.6	1583.4	1596.8	1610.0	1694.2	1778.6	1831.8	1885.0	1925.4	1965.7
1691.9	67.5°	1600.3	1508.7	1504.5	1500.3	1578.1	1656.0	1706.5	1756.8	1791.6	1826.5
1550.3	70°	1485.1	1420.0	1405.4	1390.9	1459.3	1527.7	1571.3	1614.8	1646.3	1677.7
1392.5	72.5°	1347.8	1303.2	1281.9	1260.7	1314.6	1368.3	1407.7	1447.1	1477.9	1508.7
1213.5	75°	1179.1	1144.6	1124.3	1103.8	1143.8	1183.8	1219.4	1255.1	1283.2	1311.2
1034.1	77.5°	1006.5	978.9	958.3	937.6	970.2	1002.6	1033.3	1063.9	1093.4	1122.8
829.5	80°	806.4	783.2	766.0	748.5	775.6	802.6	828.4	854.2	876.6	898.9
610.1	82.5°	598.8	587.5	575.3	563.0	560.8	558.5	549.5	540.4	588.2	635.9
401.7	85°	389.6	377.5	363.8	350.1	338.5	326.7	301.7	276.7	321.4	366.2
177.5	87.5°	172.6	167.8	165.2	162.6	162.1	161.6	142.6	123.4	142.1	161.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
3891.9	2.5°	3876.6	3864.6	3852.7	3841.7	3830.6	3816.9	3830.6	3841.7	3852.7	3864.6
3661.8	5°	3640.7	3625.7	3610.7	3599.3	3587.8	3576.5	3587.8	3599.3	3610.7	3625.7
3523.9	7.5°	3498.8	3481.5	3464.4	3454.1	3443.9	3436.2	3443.9	3454.1	3464.4	3481.5
3484.2	10°	3455.8	3439.5	3423.3	3414.5	3405.8	3402.3	3405.8	3414.5	3423.3	3439.5
3555.5	12.5°	3519.2	3501.0	3482.9	3475.5	3468.1	3466.8	3468.1	3475.5	3482.9	3501.0
3705.6	15°	3650.4	3625.1	3599.9	3590.2	3580.5	3579.7	3580.5	3590.2	3599.9	3625.1
3857.9	17.5°	3776.5	3739.1	3701.5	3689.3	3676.9	3674.9	3676.9	3689.3	3701.5	3739.1
3952.7	20°	3853.2	3805.3	3757.2	3741.9	3726.5	3721.7	3726.5	3741.9	3757.2	3805.3
3958.7	22.5°	3855.9	3805.4	3754.8	3737.8	3720.9	3713.6	3720.9	3737.8	3754.8	3805.4
3868.8	25°	3777.8	3734.0	3690.2	3674.3	3658.5	3649.1	3658.5	3674.3	3690.2	3734.0
3695.7	27.5°	3624.9	3595.5	3566.0	3558.8	3551.5	3549.1	3551.5	3558.8	3566.0	3595.5
3487.5	30°	3436.5	3421.5	3406.3	3406.3	3406.3	3408.7	3406.3	3406.3	3406.3	3421.5
3287.9	32.5°	3247.4	3237.6	3227.7	3229.0	3230.5	3232.9	3230.5	3229.0	3227.7	3237.6
3117.7	35°	3080.4	3065.4	3050.6	3047.4	3044.1	3042.5	3044.1	3047.4	3050.6	3065.4
2973.0	37.5°	2938.5	2911.2	2884.1	2869.8	2855.4	2847.3	2855.4	2869.8	2884.1	2911.2
2837.5	40°	2808.3	2768.6	2729.2	2702.5	2676.0	2660.2	2676.0	2702.5	2729.2	2768.6
2700.9	42.5°	2676.3	2627.1	2577.9	2539.0	2500.2	2474.7	2500.2	2539.0	2577.9	2627.1
2568.6	45°	2546.5	2490.2	2434.0	2388.4	2342.7	2313.4	2342.7	2388.4	2434.0	2490.2
2459.2	47.5°	2443.7	2393.7	2343.7	2301.4	2259.3	2231.1	2259.3	2301.4	2343.7	2393.7
2383.0	50°	2382.4	2342.4	2302.4	2263.3	2224.3	2197.2	2224.3	2263.3	2302.4	2342.4
2332.7	52.5°	2341.1	2308.5	2275.9	2240.9	2206.1	2181.1	2206.1	2240.9	2275.9	2308.5
2290.8	55°	2302.4	2274.0	2245.6	2215.0	2184.3	2161.7	2184.3	2215.0	2245.6	2274.0
2249.6	57.5°	2261.4	2232.7	2204.0	2173.7	2143.2	2119.8	2143.2	2173.7	2204.0	2232.7
2191.6	60°	2204.5	2176.4	2148.5	2117.2	2085.9	2061.7	2085.9	2117.2	2148.5	2176.4
2101.2	62.5°	2113.6	2088.3	2063.0	2030.1	1997.2	1968.1	1997.2	2030.1	2063.0	2088.3
1978.5	65°	1991.0	1966.7	1942.3	1910.4	1878.6	1853.6	1878.6	1910.4	1942.3	1966.7
1838.9	67.5°	1851.2	1828.7	1806.5	1776.8	1747.1	1724.5	1747.1	1776.8	1806.5	1828.7
1689.7	70°	1701.6	1683.4	1665.2	1636.8	1608.4	1582.6	1608.4	1636.8	1665.2	1683.4
1522.9	72.5°	1537.1	1521.9	1506.7	1479.6	1452.7	1427.7	1452.7	1479.6	1506.7	1521.9
1326.1	75°	1340.9	1333.5	1326.1	1303.3	1280.6	1256.7	1280.6	1303.3	1326.1	1333.5
1136.7	77.5°	1150.5	1140.2	1129.6	1106.7	1083.8	1064.7	1083.8	1106.7	1129.6	1140.2
917.3	80°	935.7	931.2	926.8	896.0	865.0	829.2	865.0	896.0	926.8	931.2
667.2	82.5°	698.5	696.6	694.5	668.5	642.4	619.5	642.4	668.5	694.5	696.6
404.9	85°	443.6	440.4	437.2	416.9	396.5	375.9	396.5	416.9	437.2	440.4
176.6	87.5°	192.3	188.4	184.2	173.9	163.3	153.3	163.3	173.9	184.2	188.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
3876.6	2.5°	3891.9	3907.2	3926.3	3945.1	3969.5	3994.0	4018.4	4042.7	4070.5	4098.4
3640.7	5°	3661.8	3683.0	3713.3	3743.5	3782.8	3822.0	3865.3	3908.5	3957.4	4006.4
3498.8	7.5°	3523.9	3549.1	3584.9	3620.9	3668.8	3716.9	3771.4	3825.8	3890.3	3954.8
3455.8	10°	3484.2	3512.3	3555.4	3598.3	3652.3	3706.4	3765.1	3823.7	3888.2	3952.7
3519.2	12.5°	3555.5	3591.8	3646.7	3701.5	3757.4	3813.3	3859.1	3905.3	3947.9	3990.8
3650.4	15°	3705.6	3760.7	3838.8	3916.9	3965.5	4014.0	4026.0	4037.9	4032.1	4026.3
3776.5	17.5°	3857.9	3939.2	4042.6	4146.0	4185.0	4224.2	4187.0	4149.5	4079.2	4008.9
3853.2	20°	3952.7	4052.4	4170.5	4288.7	4307.0	4325.0	4246.8	4168.6	4046.3	3924.2
3855.9	22.5°	3958.7	4061.3	4174.2	4287.1	4276.3	4265.4	4163.6	4061.8	3922.1	3782.7
3777.8	25°	3868.8	3960.1	4052.6	4145.2	4107.9	4070.5	3970.3	3870.1	3744.6	3619.3
3624.9	27.5°	3695.7	3766.5	3832.4	3898.3	3856.6	3814.9	3734.6	3654.3	3551.3	3448.3
3436.5	30°	3487.5	3538.1	3588.4	3638.6	3604.7	3570.9	3504.1	3437.4	3351.9	3266.4
3247.4	32.5°	3287.9	3328.4	3374.7	3420.8	3383.1	3345.5	3281.5	3217.6	3149.2	3080.9
3080.4	35°	3117.7	3155.1	3187.9	3220.8	3175.6	3130.5	3067.1	3003.8	2951.9	2899.8
2938.5	37.5°	2973.0	3007.4	3022.5	3037.7	2981.9	2926.1	2862.8	2799.7	2762.5	2725.1
2808.3	40°	2837.5	2866.7	2863.1	2859.4	2795.1	2730.9	2669.9	2608.9	2582.0	2555.0
2676.3	42.5°	2700.9	2725.5	2707.0	2688.4	2619.1	2549.7	2491.8	2434.0	2411.9	2390.0
2546.5	45°	2568.6	2590.8	2564.2	2537.6	2465.6	2393.7	2338.8	2284.0	2265.3	2246.9
2443.7	47.5°	2459.2	2474.7	2444.0	2413.4	2342.4	2271.4	2217.9	2164.1	2146.9	2129.5
2382.4	50°	2383.0	2384.0	2344.7	2305.3	2241.7	2178.2	2127.7	2077.0	2049.8	2022.7
2341.1	52.5°	2332.7	2324.3	2277.7	2231.1	2171.7	2112.5	2066.2	2019.8	1979.1	1938.3
2302.4	55°	2290.8	2279.2	2229.6	2180.3	2128.5	2076.5	2026.5	1976.5	1918.8	1860.8
2261.4	57.5°	2249.6	2237.9	2188.2	2138.3	2086.9	2035.6	1976.8	1918.1	1855.8	1793.6
2204.5	60°	2191.6	2178.7	2128.6	2078.6	2026.4	1974.3	1906.8	1839.4	1784.9	1730.2
2113.6	62.5°	2101.2	2088.8	2043.0	1997.2	1941.5	1885.9	1807.1	1728.6	1693.9	1659.2
1991.0	65°	1978.5	1965.7	1925.4	1885.0	1831.8	1778.6	1694.2	1610.0	1596.8	1583.4
1851.2	67.5°	1838.9	1826.5	1791.6	1756.8	1706.5	1656.0	1578.1	1500.3	1504.5	1508.7
1701.6	70°	1689.7	1677.7	1646.3	1614.8	1571.3	1527.7	1459.3	1390.9	1405.4	1420.0
1537.1	72.5°	1522.9	1508.7	1477.9	1447.1	1407.7	1368.3	1314.6	1260.7	1281.9	1303.2
1340.9	75°	1326.1	1311.2	1283.2	1255.1	1219.4	1183.8	1143.8	1103.8	1124.3	1144.6
1150.5	77.5°	1136.7	1122.8	1093.4	1063.9	1033.3	1002.6	970.2	937.6	958.3	978.9
935.7	80°	917.3	898.9	876.6	854.2	828.4	802.6	775.6	748.5	766.0	783.2
698.5	82.5°	667.2	635.9	588.2	540.4	549.5	558.5	560.8	563.0	575.3	587.5
443.6	85°	404.9	366.2	321.4	276.7	301.7	326.7	338.5	350.1	363.8	377.5
192.3	87.5°	176.6	161.0	142.1	123.4	142.6	161.6	162.1	162.6	165.2	167.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
4129.2	2.5°	4160.2	4198.4	4232.8	4268.3	4303.7	4340.9	4378.0	4414.7	4451.7	4486.4
4065.0	5°	4123.4	4190.3	4258.1	4329.9	4401.7	4478.5	4555.4	4631.7	4708.2	4784.8
4032.4	7.5°	4110.2	4196.8	4289.2	4389.4	4489.6	4603.3	4717.1	4833.9	4950.6	5077.0
4034.7	10°	4116.6	4209.7	4323.8	4442.5	4560.9	4699.1	4837.2	4991.5	5145.8	5305.7
4057.6	12.5°	4124.7	4211.3	4331.2	4465.2	4599.3	4762.2	4925.2	5100.0	5274.9	5450.4
4058.2	15°	4090.3	4159.7	4292.5	4447.6	4602.8	4790.5	4978.1	5167.8	5357.5	5540.6
3997.2	17.5°	3985.5	4028.2	4184.4	4371.0	4557.7	4775.5	4993.2	5200.2	5407.2	5592.9
3869.3	20°	3814.5	3825.8	4007.6	4238.9	4470.2	4734.2	4998.1	5225.5	5453.0	5646.1
3701.5	22.5°	3620.4	3598.3	3805.3	4083.9	4362.5	4683.5	5004.5	5259.7	5514.8	5712.1
3525.7	25°	3432.1	3372.4	3584.6	3910.8	4237.1	4633.5	5030.0	5321.7	5613.2	5806.3
3357.9	27.5°	3267.6	3195.0	3388.1	3752.5	4116.9	4600.1	5083.3	5418.5	5753.5	5937.9
3194.5	30°	3122.9	3065.9	3228.1	3620.2	4012.4	4584.4	5156.2	5543.8	5931.5	6109.4
3038.5	32.5°	2996.1	2970.7	3101.4	3506.2	3910.8	4565.1	5219.1	5674.7	6130.2	6306.4
2888.0	35°	2876.4	2886.9	2995.7	3394.1	3792.4	4528.6	5265.2	5823.7	6382.2	6551.1
2738.0	37.5°	2750.9	2789.3	2884.4	3262.1	3639.7	4466.2	5292.7	5990.7	6688.7	6903.9
2584.2	40°	2613.4	2672.3	2758.6	3104.6	3450.7	4380.2	5309.9	6202.7	7095.3	7408.9
2428.7	42.5°	2467.4	2541.6	2621.2	2930.9	3240.6	4291.5	5342.7	6480.0	7617.3	8070.0
2284.5	45°	2322.2	2394.0	2474.7	2746.3	3018.0	4209.1	5400.3	6844.9	8289.5	8900.1
2161.1	47.5°	2192.7	2254.5	2358.5	2600.3	2842.2	4141.0	5439.8	7233.7	9027.6	9887.1
2050.6	50°	2078.6	2150.4	2287.2	2503.4	2719.6	4066.8	5414.0	7594.4	9774.8	11070.6
1965.9	52.5°	1993.6	2094.0	2251.2	2439.5	2627.9	3941.4	5255.1	7828.6	10402.0	12313.7
1904.6	55°	1948.4	2099.6	2245.9	2393.2	2540.5	3733.6	4926.8	7777.0	10627.1	13415.9
1857.5	57.5°	1921.3	2105.3	2234.3	2338.4	2442.4	3440.7	4438.8	7413.7	10388.8	14197.0
1813.1	60°	1895.9	2087.5	2172.7	2254.5	2336.3	3060.3	3784.3	6737.6	9690.9	14392.2
1762.6	62.5°	1866.2	2043.9	2054.4	2108.6	2163.0	2605.0	3047.0	5823.4	8599.8	13570.2
1693.6	65°	1803.6	1939.1	1937.8	1963.4	1989.1	2195.4	2401.8	4890.6	7379.7	12407.3
1600.3	67.5°	1691.9	1768.1	1771.6	1757.4	1743.1	1801.8	1860.4	3976.9	6093.5	11023.3
1485.1	70°	1550.3	1575.3	1575.3	1509.0	1442.5	1425.9	1409.1	3131.3	4853.4	9513.2
1347.8	72.5°	1392.5	1392.2	1376.4	1282.3	1188.1	1137.5	1087.0	2393.9	3700.7	7876.1
1179.1	75°	1213.5	1219.6	1146.7	1041.2	935.7	889.9	844.0	1737.4	2630.8	5999.4
1006.5	77.5°	1034.1	1037.3	917.1	814.7	712.2	680.9	649.8	1177.3	1704.9	4199.0
806.4	80°	829.5	830.0	686.4	599.8	513.0	500.1	487.2	758.5	1030.0	2705.4
598.8	82.5°	610.1	603.3	480.7	416.9	353.0	350.4	348.1	466.5	585.3	1565.8
389.6	85°	401.7	392.8	301.7	254.9	208.1	209.4	210.5	249.4	288.4	704.3
172.6	87.5°	177.5	166.2	128.3	109.1	90.0	91.1	92.3	103.4	114.5	230.7
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°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
4521.0	2.5°	4538.1	4555.4	4579.8	4604.1	4618.6	4633.2	4640.4	4647.7	4644.5	4647.7
4861.4	5°	4921.3	4981.3	5040.7	5100.2	5132.5	5164.7	5184.2	5203.9	5218.8	5203.9
5203.4	7.5°	5300.9	5398.2	5485.8	5573.4	5626.1	5678.9	5707.4	5735.8	5749.5	5735.8
5465.6	10°	5580.8	5696.0	5798.7	5901.5	5963.8	6025.7	6053.4	6081.0	6091.5	6081.0
5626.1	12.5°	5751.0	5875.7	5968.6	6061.2	6106.4	6151.5	6166.7	6181.9	6183.5	6181.9
5723.7	15°	5831.5	5939.1	5997.3	6055.7	6057.3	6058.9	6042.8	6026.7	6007.6	6026.7
5778.6	17.5°	5851.3	5924.1	5925.2	5926.2	5860.8	5795.5	5735.6	5675.6	5633.4	5675.6
5839.0	20°	5864.4	5889.9	5813.2	5736.6	5592.4	5448.2	5343.1	5238.1	5173.6	5238.1
5909.2	22.5°	5876.0	5842.8	5684.0	5525.3	5313.1	5101.0	4969.7	4838.4	4767.1	4838.4
5999.6	25°	5894.7	5789.8	5548.8	5307.8	5050.2	4792.6	4654.5	4516.7	4449.3	4516.7
6122.2	27.5°	5934.7	5747.1	5427.8	5108.7	4823.2	4537.7	4401.8	4266.2	4202.4	4266.2
6287.5	30°	6008.0	5728.5	5335.6	4942.6	4645.1	4347.6	4221.6	4095.6	4036.3	4095.6
6482.7	32.5°	6099.9	5717.3	5272.6	4828.0	4548.5	4268.9	4170.0	4071.0	4028.2	4071.0
6719.9	35°	6251.4	5783.1	5319.8	4856.6	4662.4	4468.3	4445.2	4422.2	4418.6	4422.2
7119.1	37.5°	6568.1	6017.0	5595.9	5174.9	5162.3	5149.7	5255.2	5360.7	5415.6	5360.7
7722.5	40°	7123.2	6523.9	6210.7	5897.6	6118.6	6339.6	6596.1	6852.6	6980.4	6852.6
8522.6	42.5°	7928.0	7333.4	7153.0	6972.7	7454.7	7936.7	8403.3	8869.8	9143.7	8869.8
9510.7	45°	8976.6	8442.3	8362.8	8283.1	9055.3	9827.7	10594.3	11361.1	11826.5	11361.1
10746.5	47.5°	10226.8	9707.1	9690.9	9674.8	10788.9	11902.7	13025.0	14147.1	14806.1	14147.1
12366.1	50°	11724.2	11082.5	11085.2	11088.0	12523.7	13959.5	15440.9	16922.4	17818.0	16922.4
14225.4	52.5°	13448.1	12671.0	12592.5	12513.7	14228.8	15943.8	17776.7	19609.5	20683.1	19609.5
16204.8	55°	15436.9	14669.0	14362.7	14056.3	15965.1	17873.7	20058.8	22243.9	23520.7	22243.9
18005.1	57.5°	17587.0	17168.7	16554.2	15939.9	17867.2	19794.5	22269.5	24744.4	26327.7	24744.4
19093.3	60°	19742.7	20392.4	19629.3	18866.3	20690.2	22514.1	25164.0	27813.8	29525.1	27813.8
18540.7	62.5°	20315.4	22090.1	22004.2	21918.0	23588.8	25259.8	27780.9	30301.9	31883.7	30301.9
17434.9	65°	19100.5	20766.2	21095.8	21425.2	23548.5	25672.0	28116.6	30561.2	31907.9	30561.2
15953.1	67.5°	17537.3	19121.5	19276.0	19430.4	21642.8	23855.0	26310.2	28765.3	29820.4	28765.3
14172.9	70°	15896.0	17619.3	17688.3	17757.5	19736.0	21714.3	23827.1	25939.8	26526.2	25939.8
12051.6	72.5°	14028.9	16006.4	16056.1	16105.6	17653.5	19201.3	20783.8	22366.0	22425.4	22366.0
9368.0	75°	11414.5	13461.0	13644.8	13828.5	15032.8	16237.1	17351.0	18464.9	18166.5	18464.9
6693.2	77.5°	8603.6	10514.2	10777.1	11040.1	11955.6	12871.1	13661.1	14451.2	13938.2	14451.2
4380.7	80°	5987.9	7595.0	7921.9	8248.7	8940.1	9631.2	10046.2	10460.9	9635.8	10460.9
2546.5	82.5°	3645.2	4744.2	5109.2	5474.5	5950.4	6426.3	6599.4	6772.3	6123.8	6772.3
1120.4	85°	1703.6	2286.7	2597.3	2907.8	3298.9	3689.8	3788.0	3886.2	3366.8	3886.2
346.8	87.5°	542.8	738.9	912.1	1085.4	1280.9	1476.4	1484.8	1493.0	1253.5	1493.0
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):

325°		330°	335°	340°	345°	350°	355°	360°
4204.1	0°	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1	4204.1
4640.4	2.5°	4633.2	4618.6	4604.1	4579.8	4555.4	4538.1	4521.0
5184.2	5°	5164.7	5132.5	5100.2	5040.7	4981.3	4921.3	4861.4
5707.4	7.5°	5678.9	5626.1	5573.4	5485.8	5398.2	5300.9	5203.4
6053.4	10°	6025.7	5963.8	5901.5	5798.7	5696.0	5580.8	5465.6
6166.7	12.5°	6151.5	6106.4	6061.2	5968.6	5875.7	5751.0	5626.1
6042.8	15°	6058.9	6057.3	6055.7	5997.3	5939.1	5831.5	5723.7
5735.6	17.5°	5795.5	5860.8	5926.2	5925.2	5924.1	5851.3	5778.6
5343.1	20°	5448.2	5592.4	5736.6	5813.2	5889.9	5864.4	5839.0
4969.7	22.5°	5101.0	5313.1	5525.3	5684.0	5842.8	5876.0	5909.2
4654.5	25°	4792.6	5050.2	5307.8	5548.8	5789.8	5894.7	5999.6
4401.8	27.5°	4537.7	4823.2	5108.7	5427.8	5747.1	5934.7	6122.2
4221.6	30°	4347.6	4645.1	4942.6	5335.6	5728.5	6008.0	6287.5
4170.0	32.5°	4268.9	4548.5	4828.0	5272.6	5717.3	6099.9	6482.7
4445.2	35°	4468.3	4662.4	4856.6	5319.8	5783.1	6251.4	6719.9
5255.2	37.5°	5149.7	5162.3	5174.9	5595.9	6017.0	6568.1	7119.1
6596.1	40°	6339.6	6118.6	5897.6	6210.7	6523.9	7123.2	7722.5
8403.3	42.5°	7936.7	7454.7	6972.7	7153.0	7333.4	7928.0	8522.6
10594.3	45°	9827.7	9055.3	8283.1	8362.8	8442.3	8976.6	9510.7
13025.0	47.5°	11902.7	10788.9	9674.8	9690.9	9707.1	10226.8	10746.5
15440.9	50°	13959.5	12523.7	11088.0	11085.2	11082.5	11724.2	12366.1
17776.7	52.5°	15943.8	14228.8	12513.7	12592.5	12671.0	13448.1	14225.4
20058.8	55°	17873.7	15965.1	14056.3	14362.7	14669.0	15436.9	16204.8
22269.5	57.5°	19794.5	17867.2	15939.9	16554.2	17168.7	17587.0	18005.1
25164.0	60°	22514.1	20690.2	18866.3	19629.3	20392.4	19742.7	19093.3
27780.9	62.5°	25259.8	23588.8	21918.0	22004.2	22090.1	20315.4	18540.7
28116.6	65°	25672.0	23548.5	21425.2	21095.8	20766.2	19100.5	17434.9
26310.2	67.5°	23855.0	21642.8	19430.4	19276.0	19121.5	17537.3	15953.1
23827.1	70°	21714.3	19736.0	17757.5	17688.3	17619.3	15896.0	14172.9
20783.8	72.5°	19201.3	17653.5	16105.6	16056.1	16006.4	14028.9	12051.6
17351.0	75°	16237.1	15032.8	13828.5	13644.8	13461.0	11414.5	9368.0
13661.1	77.5°	12871.1	11955.6	11040.1	10777.1	10514.2	8603.6	6693.2
10046.2	80°	9631.2	8940.1	8248.7	7921.9	7595.0	5987.9	4380.7
6599.4	82.5°	6426.3	5950.4	5474.5	5109.2	4744.2	3645.2	2546.5
3788.0	85°	3689.8	3298.9	2907.8	2597.3	2286.7	1703.6	1120.4
1484.8	87.5°	1476.4	1280.9	1085.4	912.1	738.9	542.8	346.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)