

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: P951583

Luminaire Tested: **GALN-SB5C-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951583
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-SB5C-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27315 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

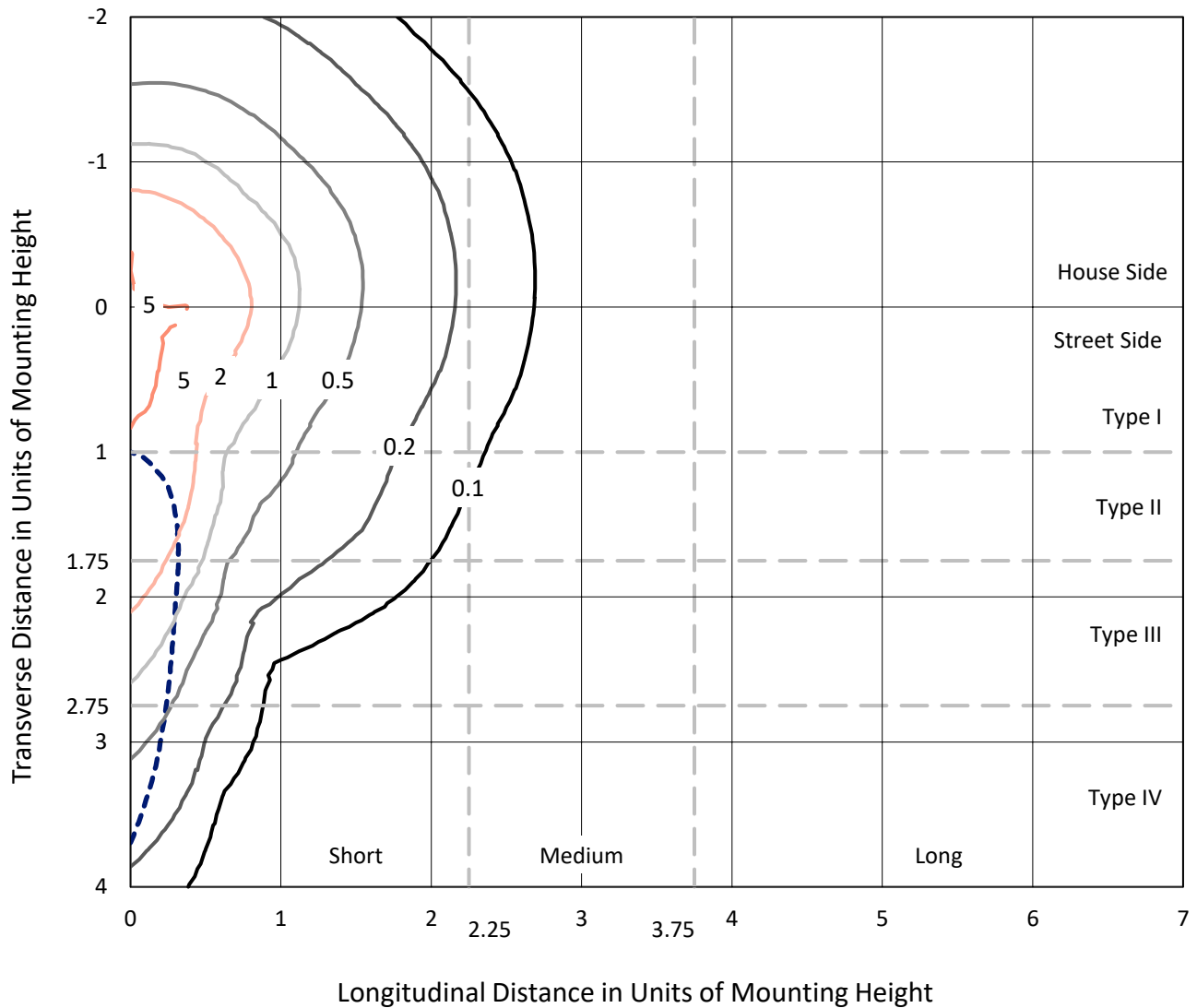
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

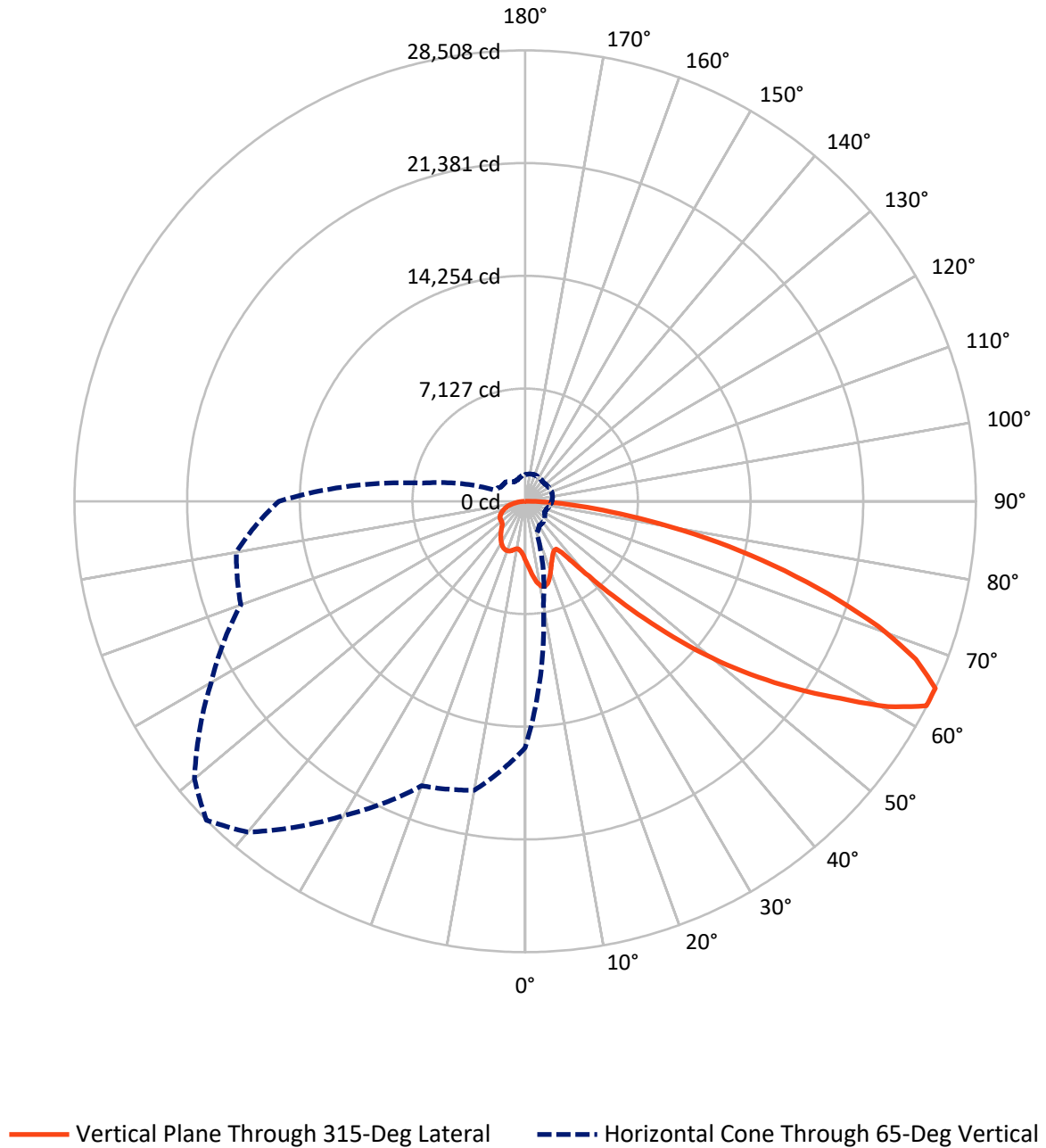
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	6942.1	0.0	6942.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20372.9	0.0	20372.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	27315.0	0.0	27315.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.6	1.4
10°-20°	1169.7	4.3
20°-30°	1806.7	6.6
30°-40°	2289.6	8.4
40°-50°	3453.2	12.6
50°-60°	5579.2	20.4
60°-70°	6955.4	25.5
70°-80°	4561.0	16.7
80°-90°	1127.6	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°	27315.0	100.0
0°-180°	27315.0	100.0



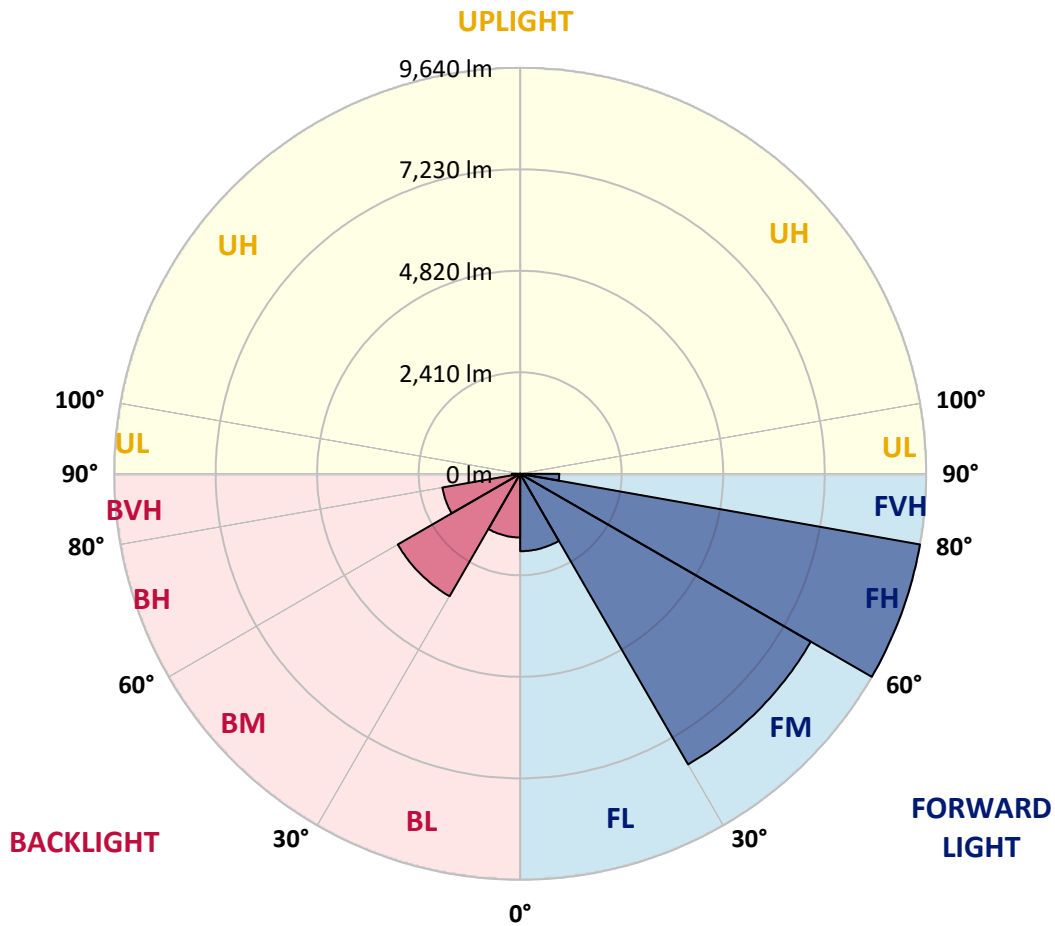
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1837.2	6.7			
FM (30°-60°)	7967.2	29.2			
FH (60°-80°)	9639.6	35.3			G4/12000
FVH (80°-90°)	928.9	3.4			G5
BL (0°-30°)	1511.7	5.5	B3/2500		
BM (30°-60°)	3354.8	12.3	B3/5000		
BH (60°-80°)	1876.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	198.7	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
2.5°	4039.3	4008.3	3977.3	3944.3	3911.4	3878.3	3845.1	3813.4	3781.7	3751.0
5°	4343.4	4274.9	4206.5	4138.1	4070.0	4001.2	3932.6	3868.5	3804.3	3743.8
7.5°	4648.9	4535.9	4423.1	4318.7	4214.4	4112.8	4011.2	3921.7	3832.1	3749.6
10°	4883.2	4740.3	4597.5	4459.6	4321.8	4198.4	4074.9	3969.1	3863.0	3761.1
12.5°	5026.6	4869.6	4712.8	4556.6	4400.3	4254.7	4109.2	3989.4	3869.6	3762.5
15°	5113.8	4950.2	4786.6	4617.1	4447.6	4280.0	4112.3	3973.7	3835.0	3716.4
17.5°	5162.8	4996.9	4831.0	4646.1	4461.1	4266.6	4072.0	3905.2	3738.5	3598.9
20°	5216.8	5044.4	4871.9	4668.7	4465.5	4229.7	3993.9	3787.2	3580.5	3418.1
22.5°	5279.5	5103.4	4927.1	4699.2	4471.2	4184.4	3897.6	3648.7	3399.8	3214.8
25°	5360.2	5187.6	5015.0	4754.6	4494.0	4139.7	3785.6	3494.0	3202.6	3013.1
27.5°	5469.8	5305.2	5140.4	4841.1	4541.6	4109.9	3678.2	3352.6	3027.0	2854.5
30°	5617.5	5458.4	5299.4	4953.1	4606.7	4095.9	3584.8	3234.4	2884.1	2739.2
32.5°	5791.9	5634.4	5477.0	5069.9	4662.9	4078.6	3494.0	3132.5	2770.9	2654.2
35°	6003.8	5853.0	5702.1	5203.1	4704.1	4046.0	3388.2	3032.4	2676.5	2579.2
37.5°	6360.5	6168.2	5975.9	5352.3	4728.6	3990.3	3251.9	2914.5	2577.1	2492.0
40°	6899.5	6619.3	6339.2	5541.7	4744.1	3913.4	3083.0	2773.8	2464.6	2387.5
42.5°	7614.4	7210.0	6805.6	5789.4	4773.3	3834.2	2895.3	2618.6	2341.8	2270.8
45°	8497.2	7951.7	7406.2	6115.5	4824.8	3760.5	2696.4	2453.7	2211.0	2138.9
47.5°	9601.3	8833.5	8065.6	6462.8	4860.1	3699.7	2539.3	2323.2	2107.2	2014.2
50°	11048.3	9890.8	8733.2	6785.1	4837.0	3633.4	2429.8	2236.6	2043.5	1921.3
52.5°	12709.5	11001.5	9293.6	6994.4	4695.1	3521.4	2347.9	2179.5	2011.3	1870.8
55°	14477.9	11986.2	9494.6	6948.3	4401.8	3335.8	2269.8	2138.2	2006.6	1875.9
57.5°	16086.4	12684.1	9281.7	6623.7	3965.8	3074.0	2182.1	2089.2	1996.2	1880.9
60°	17058.6	12858.5	8658.2	6019.6	3381.0	2734.2	2087.3	2014.2	1941.2	1865.1
62.5°	16564.9	12124.1	7683.3	5202.8	2722.3	2327.4	1932.5	1883.9	1835.5	1826.1
65°	15576.9	11085.1	6593.3	4369.5	2145.8	1961.5	1777.1	1754.2	1731.3	1732.5
67.5°	14253.1	9848.6	5444.1	3553.1	1662.1	1609.8	1557.3	1570.2	1582.8	1579.7
70°	12662.6	8499.4	4336.2	2797.6	1259.0	1274.0	1288.8	1348.2	1407.4	1407.4
72.5°	10767.3	7036.8	3306.4	2138.8	971.2	1016.3	1061.5	1145.7	1229.7	1243.8
75°	8369.7	5360.1	2350.5	1552.3	754.1	795.0	836.0	930.2	1024.5	1089.6
77.5°	5980.0	3751.6	1523.2	1051.9	580.6	608.4	636.3	727.9	819.4	926.8
80°	3913.9	2417.1	920.3	677.7	435.3	446.8	458.3	535.9	613.3	741.6
82.5°	2275.1	1398.9	522.9	416.8	311.0	313.1	315.4	372.4	429.5	539.0
85°	1001.0	629.3	257.7	222.8	188.1	187.1	185.9	227.7	269.5	351.0
87.5°	309.9	206.1	102.3	92.4	82.4	81.4	80.4	97.4	114.6	148.5
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°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
3716.8	2.5°	3689.2	3661.6	3636.7	3611.9	3590.2	3568.4	3546.5	3524.7	3507.9	3490.8
3684.0	5°	3631.8	3579.5	3535.7	3492.0	3453.4	3414.7	3379.7	3344.6	3317.6	3290.5
3672.2	7.5°	3602.7	3533.4	3475.7	3418.1	3369.5	3320.8	3277.8	3235.0	3202.9	3170.9
3677.9	10°	3604.7	3531.5	3473.8	3416.2	3363.9	3311.4	3263.1	3214.8	3176.5	3138.0
3685.1	12.5°	3625.2	3565.5	3527.2	3489.1	3447.9	3407.0	3356.9	3307.1	3258.1	3209.1
3654.4	15°	3625.8	3597.2	3602.4	3607.6	3596.9	3586.3	3542.9	3499.5	3429.7	3360.0
3560.8	17.5°	3571.3	3581.6	3644.5	3707.3	3740.8	3774.1	3739.0	3704.2	3611.8	3519.4
3408.0	20°	3457.0	3506.0	3615.1	3724.3	3794.2	3864.1	3848.0	3831.7	3726.1	3620.6
3234.6	22.5°	3307.1	3379.6	3504.1	3628.9	3719.9	3810.8	3820.6	3830.3	3729.4	3628.5
3066.4	25°	3150.0	3233.6	3345.6	3457.7	3547.2	3636.7	3670.1	3703.4	3620.7	3538.1
2919.4	27.5°	3000.1	3080.8	3172.9	3264.9	3336.6	3408.4	3445.6	3482.9	3424.0	3365.2
2790.1	30°	2854.1	2918.4	2994.7	3071.1	3130.7	3190.3	3220.6	3250.9	3206.0	3161.1
2676.8	32.5°	2714.7	2752.6	2813.6	2874.7	2931.8	2989.0	3022.6	3056.3	3015.1	2973.7
2569.9	35°	2580.2	2590.8	2637.3	2683.7	2740.2	2796.9	2837.2	2877.6	2848.2	2818.9
2457.7	37.5°	2446.2	2434.7	2468.1	2501.4	2557.7	2614.2	2664.1	2714.0	2700.4	2686.9
2334.9	40°	2308.8	2282.7	2306.8	2330.9	2385.4	2439.8	2497.2	2554.7	2558.0	2561.2
2204.5	42.5°	2169.9	2135.3	2154.9	2174.6	2226.2	2278.0	2340.0	2401.9	2418.5	2435.1
2074.8	45°	2041.0	2007.5	2023.9	2040.6	2089.6	2138.6	2202.9	2267.2	2291.0	2314.7
1959.0	47.5°	1930.8	1902.5	1918.1	1933.5	1981.5	2029.4	2092.8	2156.2	2183.6	2211.0
1857.1	50°	1832.0	1807.1	1831.3	1855.7	1900.9	1946.1	2002.8	2059.6	2094.8	2130.0
1781.2	52.5°	1756.4	1731.7	1768.2	1804.5	1846.0	1887.4	1940.3	1993.3	2035.0	2076.6
1740.8	55°	1701.6	1662.5	1714.3	1765.9	1810.6	1855.3	1901.7	1947.9	1992.0	2036.3
1716.6	57.5°	1659.5	1602.4	1658.1	1713.7	1766.2	1818.6	1864.5	1910.5	1955.0	1999.4
1693.8	60°	1619.9	1545.8	1594.7	1643.4	1703.6	1763.9	1810.4	1857.1	1901.8	1946.5
1667.3	62.5°	1574.8	1482.4	1513.4	1544.4	1614.6	1684.9	1734.6	1784.3	1825.3	1866.2
1611.4	65°	1513.1	1414.6	1426.6	1438.4	1513.7	1589.0	1636.6	1684.2	1720.2	1756.2
1511.6	67.5°	1429.8	1347.9	1344.2	1340.4	1409.9	1479.5	1524.6	1569.6	1600.7	1631.8
1385.1	70°	1326.9	1268.6	1255.7	1242.7	1303.8	1364.9	1403.8	1442.7	1470.9	1499.0
1244.1	72.5°	1204.2	1164.3	1145.3	1126.4	1174.5	1222.5	1257.7	1292.9	1320.4	1347.9
1084.2	75°	1053.5	1022.6	1004.4	986.1	1021.9	1057.6	1089.5	1121.3	1146.4	1171.5
923.9	77.5°	899.2	874.6	856.1	837.7	866.8	895.8	923.2	950.5	976.9	1003.2
741.1	80°	720.5	699.8	684.3	668.8	693.0	717.1	740.1	763.2	783.2	803.1
545.1	82.5°	535.0	524.9	514.0	503.0	501.0	499.0	490.9	482.8	525.5	568.2
358.9	85°	348.1	337.3	325.0	312.8	302.4	291.9	269.5	247.2	287.1	327.2
158.5	87.5°	154.2	149.9	147.6	145.3	144.9	144.4	127.4	110.3	127.0	143.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
3477.2	2.5°	3463.5	3452.8	3442.1	3432.3	3422.4	3410.1	3422.4	3432.3	3442.1	3452.8
3271.6	5°	3252.7	3239.3	3225.9	3215.7	3205.5	3195.4	3205.5	3215.7	3225.9	3239.3
3148.4	7.5°	3125.9	3110.5	3095.2	3086.0	3076.9	3070.0	3076.9	3086.0	3095.2	3110.5
3112.9	10°	3087.6	3073.0	3058.5	3050.7	3042.9	3039.7	3042.9	3050.7	3058.5	3073.0
3176.6	12.5°	3144.2	3127.9	3111.8	3105.2	3098.5	3097.4	3098.5	3105.2	3111.8	3127.9
3310.7	15°	3261.4	3238.8	3216.3	3207.6	3199.0	3198.3	3199.0	3207.6	3216.3	3238.8
3446.7	17.5°	3374.1	3340.7	3307.1	3296.1	3285.0	3283.3	3285.0	3296.1	3307.1	3340.7
3531.5	20°	3442.6	3399.8	3356.8	3343.1	3329.4	3325.1	3329.4	3343.1	3356.8	3399.8
3536.8	22.5°	3445.0	3399.9	3354.6	3339.5	3324.4	3317.9	3324.4	3339.5	3354.6	3399.9
3456.5	25°	3375.3	3336.1	3297.0	3282.7	3268.6	3260.2	3268.6	3282.7	3297.0	3336.1
3301.9	27.5°	3238.6	3212.4	3186.0	3179.5	3173.0	3170.9	3173.0	3179.5	3186.0	3212.4
3115.8	30°	3070.3	3056.9	3043.3	3043.3	3043.3	3045.5	3043.3	3043.3	3043.3	3056.9
2937.5	32.5°	2901.4	2892.6	2883.8	2884.9	2886.2	2888.4	2886.2	2884.9	2883.8	2892.6
2785.5	35°	2752.2	2738.8	2725.5	2722.6	2719.7	2718.3	2719.7	2722.6	2725.5	2738.8
2656.2	37.5°	2625.3	2601.0	2576.8	2563.9	2551.1	2543.9	2551.1	2563.9	2576.8	2601.0
2535.1	40°	2509.0	2473.6	2438.4	2414.5	2390.8	2376.7	2390.8	2414.5	2438.4	2473.6
2413.0	42.5°	2391.1	2347.2	2303.2	2268.5	2233.7	2211.0	2233.7	2268.5	2303.2	2347.2
2294.9	45°	2275.1	2224.8	2174.6	2133.9	2093.1	2066.8	2093.1	2133.9	2174.6	2224.8
2197.1	47.5°	2183.3	2138.6	2093.9	2056.2	2018.6	1993.3	2018.6	2056.2	2093.9	2138.6
2129.1	50°	2128.5	2092.8	2057.0	2022.2	1987.3	1963.1	1987.3	2022.2	2057.0	2092.8
2084.1	52.5°	2091.6	2062.5	2033.4	2002.1	1971.0	1948.6	1971.0	2002.1	2033.4	2062.5
2046.7	55°	2057.0	2031.7	2006.3	1978.9	1951.5	1931.4	1951.5	1978.9	2006.3	2031.7
2009.9	57.5°	2020.4	1994.8	1969.1	1942.0	1914.8	1893.9	1914.8	1942.0	1969.1	1994.8
1958.0	60°	1969.5	1944.5	1919.5	1891.6	1863.6	1842.0	1863.6	1891.6	1919.5	1944.5
1877.3	62.5°	1888.4	1865.8	1843.1	1813.7	1784.3	1758.4	1784.3	1813.7	1843.1	1865.8
1767.6	65°	1778.9	1757.1	1735.3	1706.8	1678.4	1656.1	1678.4	1706.8	1735.3	1757.1
1642.9	67.5°	1653.9	1633.9	1614.0	1587.5	1560.9	1540.8	1560.9	1587.5	1614.0	1633.9
1509.6	70°	1520.3	1504.0	1487.7	1462.4	1437.0	1413.9	1437.0	1462.4	1487.7	1504.0
1360.6	72.5°	1373.3	1359.7	1346.2	1322.0	1297.9	1275.6	1297.9	1322.0	1346.2	1359.7
1184.8	75°	1198.0	1191.4	1184.8	1164.4	1144.1	1122.8	1144.1	1164.4	1184.8	1191.4
1015.5	77.5°	1027.9	1018.7	1009.2	988.7	968.3	951.3	968.3	988.7	1009.2	1018.7
819.5	80°	836.0	831.9	828.0	800.5	772.8	740.8	772.8	800.5	828.0	831.9
596.1	82.5°	624.1	622.4	620.5	597.3	573.9	553.5	573.9	597.3	620.5	622.4
361.8	85°	396.4	393.5	390.6	372.4	354.3	335.8	354.3	372.4	390.6	393.5
157.8	87.5°	171.8	168.3	164.6	155.4	145.9	136.9	145.9	155.4	164.6	168.3
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°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
3463.5	2.5°	3477.2	3490.8	3507.9	3524.7	3546.5	3568.4	3590.2	3611.9	3636.7	3661.6
3252.7	5°	3271.6	3290.5	3317.6	3344.6	3379.7	3414.7	3453.4	3492.0	3535.7	3579.5
3125.9	7.5°	3148.4	3170.9	3202.9	3235.0	3277.8	3320.8	3369.5	3418.1	3475.7	3533.4
3087.6	10°	3112.9	3138.0	3176.5	3214.8	3263.1	3311.4	3363.9	3416.2	3473.8	3531.5
3144.2	12.5°	3176.6	3209.1	3258.1	3307.1	3356.9	3407.0	3447.9	3489.1	3527.2	3565.5
3261.4	15°	3310.7	3360.0	3429.7	3499.5	3542.9	3586.3	3596.9	3607.6	3602.4	3597.2
3374.1	17.5°	3446.7	3519.4	3611.8	3704.2	3739.0	3774.1	3740.8	3707.3	3644.5	3581.6
3442.6	20°	3531.5	3620.6	3726.1	3831.7	3848.0	3864.1	3794.2	3724.3	3615.1	3506.0
3445.0	22.5°	3536.8	3628.5	3729.4	3830.3	3820.6	3810.8	3719.9	3628.9	3504.1	3379.6
3375.3	25°	3456.5	3538.1	3620.7	3703.4	3670.1	3636.7	3547.2	3457.7	3345.6	3233.6
3238.6	27.5°	3301.9	3365.2	3424.0	3482.9	3445.6	3408.4	3336.6	3264.9	3172.9	3080.8
3070.3	30°	3115.8	3161.1	3206.0	3250.9	3220.6	3190.3	3130.7	3071.1	2994.7	2918.4
2901.4	32.5°	2937.5	2973.7	3015.1	3056.3	3022.6	2989.0	2931.8	2874.7	2813.6	2752.6
2752.2	35°	2785.5	2818.9	2848.2	2877.6	2837.2	2796.9	2740.2	2683.7	2637.3	2590.8
2625.3	37.5°	2656.2	2686.9	2700.4	2714.0	2664.1	2614.2	2557.7	2501.4	2468.1	2434.7
2509.0	40°	2535.1	2561.2	2558.0	2554.7	2497.2	2439.8	2385.4	2330.9	2306.8	2282.7
2391.1	42.5°	2413.0	2435.1	2418.5	2401.9	2340.0	2278.0	2226.2	2174.6	2154.9	2135.3
2275.1	45°	2294.9	2314.7	2291.0	2267.2	2202.9	2138.6	2089.6	2040.6	2023.9	2007.5
2183.3	47.5°	2197.1	2211.0	2183.6	2156.2	2092.8	2029.4	1981.5	1933.5	1918.1	1902.5
2128.5	50°	2129.1	2130.0	2094.8	2059.6	2002.8	1946.1	1900.9	1855.7	1831.3	1807.1
2091.6	52.5°	2084.1	2076.6	2035.0	1993.3	1940.3	1887.4	1846.0	1804.5	1768.2	1731.7
2057.0	55°	2046.7	2036.3	1992.0	1947.9	1901.7	1855.3	1810.6	1765.9	1714.3	1662.5
2020.4	57.5°	2009.9	1999.4	1955.0	1910.5	1864.5	1818.6	1766.2	1713.7	1658.1	1602.4
1969.5	60°	1958.0	1946.5	1901.8	1857.1	1810.4	1763.9	1703.6	1643.4	1594.7	1545.8
1888.4	62.5°	1877.3	1866.2	1825.3	1784.3	1734.6	1684.9	1614.6	1544.4	1513.4	1482.4
1778.9	65°	1767.6	1756.2	1720.2	1684.2	1636.6	1589.0	1513.7	1438.4	1426.6	1414.6
1653.9	67.5°	1642.9	1631.8	1600.7	1569.6	1524.6	1479.5	1409.9	1340.4	1344.2	1347.9
1520.3	70°	1509.6	1499.0	1470.9	1442.7	1403.8	1364.9	1303.8	1242.7	1255.7	1268.6
1373.3	72.5°	1360.6	1347.9	1320.4	1292.9	1257.7	1222.5	1174.5	1126.4	1145.3	1164.3
1198.0	75°	1184.8	1171.5	1146.4	1121.3	1089.5	1057.6	1021.9	986.1	1004.4	1022.6
1027.9	77.5°	1015.5	1003.2	976.9	950.5	923.2	895.8	866.8	837.7	856.1	874.6
836.0	80°	819.5	803.1	783.2	763.2	740.1	717.1	693.0	668.8	684.3	699.8
624.1	82.5°	596.1	568.2	525.5	482.8	490.9	499.0	501.0	503.0	514.0	524.9
396.4	85°	361.8	327.2	287.1	247.2	269.5	291.9	302.4	312.8	325.0	337.3
171.8	87.5°	157.8	143.8	127.0	110.3	127.4	144.4	144.9	145.3	147.6	149.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
3689.2	2.5°	3716.8	3751.0	3781.7	3813.4	3845.1	3878.3	3911.4	3944.3	3977.3	4008.3
3631.8	5°	3684.0	3743.8	3804.3	3868.5	3932.6	4001.2	4070.0	4138.1	4206.5	4274.9
3602.7	7.5°	3672.2	3749.6	3832.1	3921.7	4011.2	4112.8	4214.4	4318.7	4423.1	4535.9
3604.7	10°	3677.9	3761.1	3863.0	3969.1	4074.9	4198.4	4321.8	4459.6	4597.5	4740.3
3625.2	12.5°	3685.1	3762.5	3869.6	3989.4	4109.2	4254.7	4400.3	4556.6	4712.8	4869.6
3625.8	15°	3654.4	3716.4	3835.0	3973.7	4112.3	4280.0	4447.6	4617.1	4786.6	4950.2
3571.3	17.5°	3560.8	3598.9	3738.5	3905.2	4072.0	4266.6	4461.1	4646.1	4831.0	4996.9
3457.0	20°	3408.0	3418.1	3580.5	3787.2	3993.9	4229.7	4465.5	4668.7	4871.9	5044.4
3307.1	22.5°	3234.6	3214.8	3399.8	3648.7	3897.6	4184.4	4471.2	4699.2	4927.1	5103.4
3150.0	25°	3066.4	3013.1	3202.6	3494.0	3785.6	4139.7	4494.0	4754.6	5015.0	5187.6
3000.1	27.5°	2919.4	2854.5	3027.0	3352.6	3678.2	4109.9	4541.6	4841.1	5140.4	5305.2
2854.1	30°	2790.1	2739.2	2884.1	3234.4	3584.8	4095.9	4606.7	4953.1	5299.4	5458.4
2714.7	32.5°	2676.8	2654.2	2770.9	3132.5	3494.0	4078.6	4662.9	5069.9	5477.0	5634.4
2580.2	35°	2569.9	2579.2	2676.5	3032.4	3388.2	4046.0	4704.1	5203.1	5702.1	5853.0
2446.2	37.5°	2457.7	2492.0	2577.1	2914.5	3251.9	3990.3	4728.6	5352.3	5975.9	6168.2
2308.8	40°	2334.9	2387.5	2464.6	2773.8	3083.0	3913.4	4744.1	5541.7	6339.2	6619.3
2169.9	42.5°	2204.5	2270.8	2341.8	2618.6	2895.3	3834.2	4773.3	5789.4	6805.6	7210.0
2041.0	45°	2074.8	2138.9	2211.0	2453.7	2696.4	3760.5	4824.8	6115.5	7406.2	7951.7
1930.8	47.5°	1959.0	2014.2	2107.2	2323.2	2539.3	3699.7	4860.1	6462.8	8065.6	8833.5
1832.0	50°	1857.1	1921.3	2043.5	2236.6	2429.8	3633.4	4837.0	6785.1	8733.2	9890.8
1756.4	52.5°	1781.2	1870.8	2011.3	2179.5	2347.9	3521.4	4695.1	6994.4	9293.6	11001.5
1701.6	55°	1740.8	1875.9	2006.6	2138.2	2269.8	3335.8	4401.8	6948.3	9494.6	11986.2
1659.5	57.5°	1716.6	1880.9	1996.2	2089.2	2182.1	3074.0	3965.8	6623.7	9281.7	12684.1
1619.9	60°	1693.8	1865.1	1941.2	2014.2	2087.3	2734.2	3381.0	6019.6	8658.2	12858.5
1574.8	62.5°	1667.3	1826.1	1835.5	1883.9	1932.5	2327.4	2722.3	5202.8	7683.3	12124.1
1513.1	65°	1611.4	1732.5	1731.3	1754.2	1777.1	1961.5	2145.8	4369.5	6593.3	11085.1
1429.8	67.5°	1511.6	1579.7	1582.8	1570.2	1557.3	1609.8	1662.1	3553.1	5444.1	9848.6
1326.9	70°	1385.1	1407.4	1407.4	1348.2	1288.8	1274.0	1259.0	2797.6	4336.2	8499.4
1204.2	72.5°	1244.1	1243.8	1229.7	1145.7	1061.5	1016.3	971.2	2138.8	3306.4	7036.8
1053.5	75°	1084.2	1089.6	1024.5	930.2	836.0	795.0	754.1	1552.3	2350.5	5360.1
899.2	77.5°	923.9	926.8	819.4	727.9	636.3	608.4	580.6	1051.9	1523.2	3751.6
720.5	80°	741.1	741.6	613.3	535.9	458.3	446.8	435.3	677.7	920.3	2417.1
535.0	82.5°	545.1	539.0	429.5	372.4	315.4	313.1	311.0	416.8	522.9	1398.9
348.1	85°	358.9	351.0	269.5	227.7	185.9	187.1	188.1	222.8	257.7	629.3
154.2	87.5°	158.5	148.5	114.6	97.4	80.4	81.4	82.4	92.4	102.3	206.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
4039.3	2.5°	4054.5	4070.0	4091.7	4113.5	4126.5	4139.4	4145.9	4152.4	4149.5	4152.4
4343.4	5°	4396.9	4450.5	4503.5	4556.7	4585.5	4614.3	4631.8	4649.4	4662.6	4649.4
4648.9	7.5°	4736.0	4822.9	4901.2	4979.4	5026.6	5073.7	5099.2	5124.6	5136.8	5124.6
4883.2	10°	4986.1	5089.0	5180.8	5272.6	5328.2	5383.6	5408.4	5433.0	5442.4	5433.0
5026.6	12.5°	5138.1	5249.5	5332.6	5415.3	5455.6	5496.0	5509.5	5523.1	5524.5	5523.1
5113.8	15°	5210.0	5306.2	5358.2	5410.4	5411.8	5413.3	5398.9	5384.4	5367.4	5384.4
5162.8	17.5°	5227.8	5292.8	5293.8	5294.6	5236.3	5177.9	5124.4	5070.8	5033.0	5070.8
5216.8	20°	5239.4	5262.2	5193.8	5125.3	4996.4	4867.6	4773.8	4679.9	4622.3	4679.9
5279.5	22.5°	5249.8	5220.1	5078.3	4936.5	4746.9	4557.4	4440.1	4322.8	4259.1	4322.8
5360.2	25°	5266.5	5172.9	4957.5	4742.2	4512.0	4281.8	4158.5	4035.4	3975.1	4035.4
5469.8	27.5°	5302.3	5134.7	4849.4	4564.3	4309.2	4054.1	3932.8	3811.5	3754.6	3811.5
5617.5	30°	5367.7	5118.1	4767.0	4415.9	4150.1	3884.3	3771.8	3659.2	3606.2	3659.2
5791.9	32.5°	5449.9	5108.0	4710.8	4313.5	4063.8	3814.0	3725.6	3637.1	3598.9	3637.1
6003.8	35°	5585.2	5166.8	4752.9	4339.1	4165.5	3992.1	3971.5	3950.9	3947.7	3950.9
6360.5	37.5°	5868.1	5375.8	4999.6	4623.4	4612.2	4600.9	4695.2	4789.5	4838.5	4789.5
6899.5	40°	6364.1	5828.6	5548.9	5269.1	5466.6	5664.1	5893.2	6122.4	6236.5	6122.4
7614.4	42.5°	7083.2	6551.9	6390.8	6229.6	6660.3	7090.9	7507.8	7924.6	8169.3	7924.6
8497.2	45°	8020.0	7542.7	7471.6	7400.4	8090.3	8780.4	9465.4	10150.4	10566.2	10150.4
9601.3	47.5°	9137.0	8672.6	8658.2	8643.8	9639.2	10634.3	11637.0	12639.5	13228.3	12639.5
11048.3	50°	10474.8	9901.5	9903.9	9906.4	11189.2	12471.9	13795.5	15119.0	15919.2	15119.0
12709.5	52.5°	12015.0	11320.8	11250.6	11180.2	12712.5	14244.7	15882.3	17519.8	18479.0	17519.8
14477.9	55°	13791.9	13105.8	12832.1	12558.4	14263.8	15969.0	17921.2	19873.5	21014.3	19873.5
16086.4	57.5°	15712.8	15339.1	14790.1	14241.3	15963.2	17685.1	19896.4	22107.5	23522.1	22107.5
17058.6	60°	17638.9	18219.3	17537.5	16855.8	18485.3	20114.9	22482.4	24849.9	26378.8	24849.9
16564.9	62.5°	18150.5	19736.1	19659.3	19582.3	21075.1	22568.0	24820.5	27072.8	28486.0	27072.8
15576.9	65°	17065.1	18553.2	18847.7	19142.0	21039.1	22936.2	25120.4	27304.4	28507.6	27304.4
14253.1	67.5°	15668.5	17083.8	17221.9	17359.8	19336.4	21312.9	23506.4	25700.0	26642.6	25700.0
12662.6	70°	14202.1	15741.7	15803.4	15865.2	17632.8	19400.3	21288.0	23175.5	23699.4	23175.5
10767.3	72.5°	12533.9	14300.7	14345.0	14389.3	15772.2	17155.2	18568.9	19982.6	20035.6	19982.6
8369.7	75°	10198.1	12026.6	12190.7	12354.9	13430.8	14506.8	15502.0	16497.2	16230.6	16497.2
5980.0	77.5°	7686.8	9393.7	9628.7	9863.6	10681.5	11499.5	12205.3	12911.2	12452.9	12911.2
3913.9	80°	5349.8	6785.7	7077.7	7369.7	7987.4	8604.9	8975.6	9346.2	8608.9	9346.2
2275.1	82.5°	3256.8	4238.6	4564.8	4891.1	5316.3	5741.4	5896.1	6050.6	5471.2	6050.6
1001.0	85°	1522.0	2043.1	2320.5	2598.0	2947.3	3296.6	3384.3	3472.1	3008.0	3472.1
309.9	87.5°	485.0	660.1	814.9	969.7	1144.4	1319.1	1326.6	1333.9	1119.9	1333.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3756.0	0°	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0	3756.0
4145.9	2.5°	4139.4	4126.5	4113.5	4091.7	4070.0	4054.5	4039.3
4631.8	5°	4614.3	4585.5	4556.7	4503.5	4450.5	4396.9	4343.4
5099.2	7.5°	5073.7	5026.6	4979.4	4901.2	4822.9	4736.0	4648.9
5408.4	10°	5383.6	5328.2	5272.6	5180.8	5089.0	4986.1	4883.2
5509.5	12.5°	5496.0	5455.6	5415.3	5332.6	5249.5	5138.1	5026.6
5398.9	15°	5413.3	5411.8	5410.4	5358.2	5306.2	5210.0	5113.8
5124.4	17.5°	5177.9	5236.3	5294.6	5293.8	5292.8	5227.8	5162.8
4773.8	20°	4867.6	4996.4	5125.3	5193.8	5262.2	5239.4	5216.8
4440.1	22.5°	4557.4	4746.9	4936.5	5078.3	5220.1	5249.8	5279.5
4158.5	25°	4281.8	4512.0	4742.2	4957.5	5172.9	5266.5	5360.2
3932.8	27.5°	4054.1	4309.2	4564.3	4849.4	5134.7	5302.3	5469.8
3771.8	30°	3884.3	4150.1	4415.9	4767.0	5118.1	5367.7	5617.5
3725.6	32.5°	3814.0	4063.8	4313.5	4710.8	5108.0	5449.9	5791.9
3971.5	35°	3992.1	4165.5	4339.1	4752.9	5166.8	5585.2	6003.8
4695.2	37.5°	4600.9	4612.2	4623.4	4999.6	5375.8	5868.1	6360.5
5893.2	40°	5664.1	5466.6	5269.1	5548.9	5828.6	6364.1	6899.5
7507.8	42.5°	7090.9	6660.3	6229.6	6390.8	6551.9	7083.2	7614.4
9465.4	45°	8780.4	8090.3	7400.4	7471.6	7542.7	8020.0	8497.2
11637.0	47.5°	10634.3	9639.2	8643.8	8658.2	8672.6	9137.0	9601.3
13795.5	50°	12471.9	11189.2	9906.4	9903.9	9901.5	10474.8	11048.3
15882.3	52.5°	14244.7	12712.5	11180.2	11250.6	11320.8	12015.0	12709.5
17921.2	55°	15969.0	14263.8	12558.4	12832.1	13105.8	13791.9	14477.9
19896.4	57.5°	17685.1	15963.2	14241.3	14790.1	15339.1	15712.8	16086.4
22482.4	60°	20114.9	18485.3	16855.8	17537.5	18219.3	17638.9	17058.6
24820.5	62.5°	22568.0	21075.1	19582.3	19659.3	19736.1	18150.5	16564.9
25120.4	65°	22936.2	21039.1	19142.0	18847.7	18553.2	17065.1	15576.9
23506.4	67.5°	21312.9	19336.4	17359.8	17221.9	17083.8	15668.5	14253.1
21288.0	70°	19400.3	17632.8	15865.2	15803.4	15741.7	14202.1	12662.6
18568.9	72.5°	17155.2	15772.2	14389.3	14345.0	14300.7	12533.9	10767.3
15502.0	75°	14506.8	13430.8	12354.9	12190.7	12026.6	10198.1	8369.7
12205.3	77.5°	11499.5	10681.5	9863.6	9628.7	9393.7	7686.8	5980.0
8975.6	80°	8604.9	7987.4	7369.7	7077.7	6785.7	5349.8	3913.9
5896.1	82.5°	5741.4	5316.3	4891.1	4564.8	4238.6	3256.8	2275.1
3384.3	85°	3296.6	2947.3	2598.0	2320.5	2043.1	1522.0	1001.0
1326.6	87.5°	1319.1	1144.4	969.7	814.9	660.1	485.0	309.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)