

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: P952570

Luminaire Tested: **GALN-SB6B-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952570
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-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32545 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

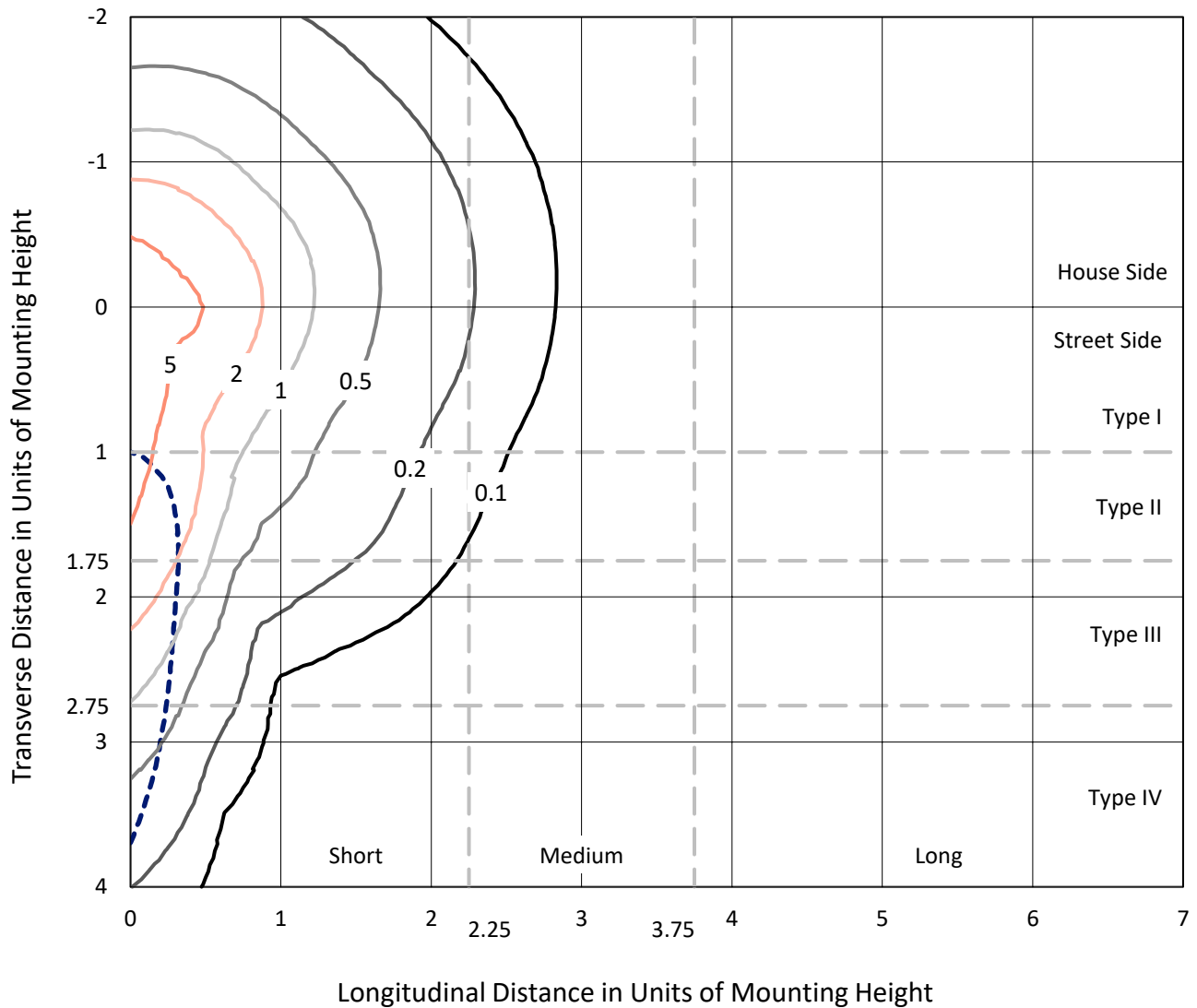
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

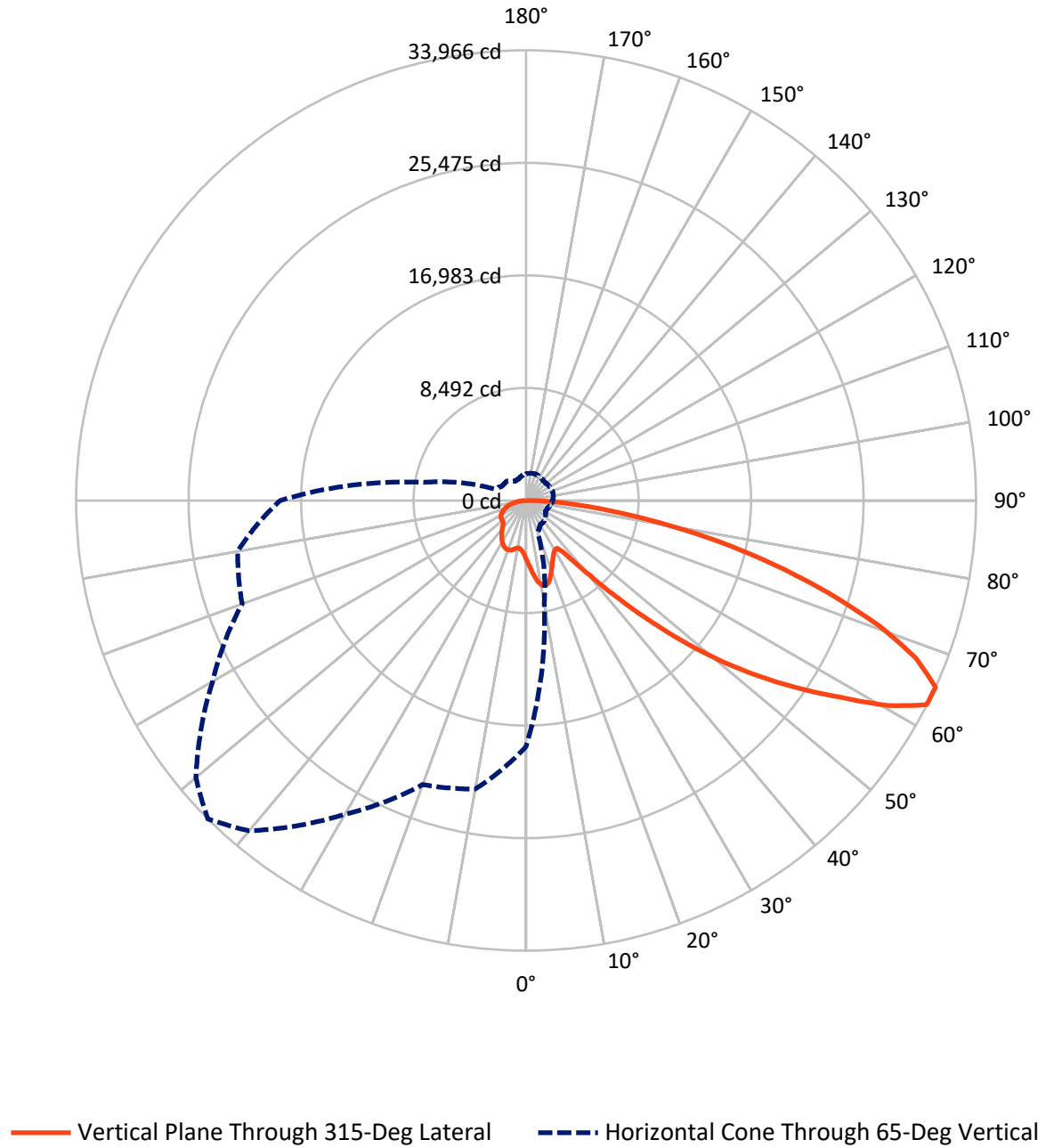
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	8271.3	0.0	8271.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24273.7	0.0	24273.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	32545.0	0.0	32545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.9	1.4
10°-20°	1393.6	4.3
20°-30°	2152.7	6.6
30°-40°	2727.9	8.4
40°-50°	4114.4	12.6
50°-60°	6647.5	20.4
60°-70°	8287.1	25.5
70°-80°	5434.3	16.7
80°-90°	1343.5	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°	32545.0	100.0
0°-180°	32545.0	100.0

Coefficient of Utilization



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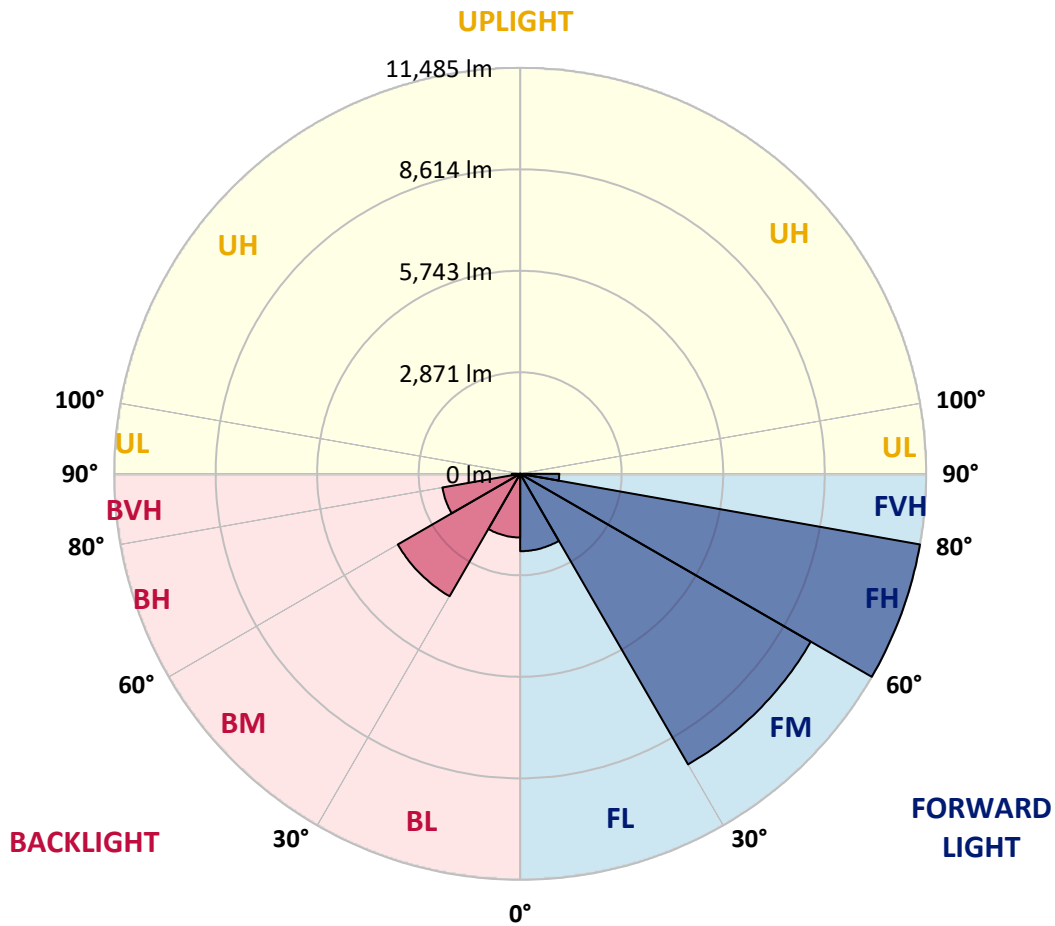
CATALOG NUMBER: GALN-SB6B-850-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2189.0	6.7			
FM (30°-60°)	9492.7	29.2			
FH (60°-80°)	11485.3	35.3			G4/12000
FVH (80°-90°)	1106.7	3.4			G5
BL (0°-30°)	1801.2	5.5	B3/2500		
BM (30°-60°)	3997.2	12.3	B3/5000		
BH (60°-80°)	2236.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	236.7	0.7			G3/500
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°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
2.5°	4812.7	4775.7	4738.8	4699.5	4660.3	4620.8	4581.3	4543.6	4505.8	4469.2
5°	5175.0	5093.4	5011.9	4930.5	4849.2	4767.3	4685.6	4609.2	4532.7	4460.6
7.5°	5539.1	5404.4	5270.0	5145.6	5021.3	4900.2	4779.2	4672.5	4565.9	4467.5
10°	5818.1	5647.9	5477.8	5313.4	5149.2	5002.2	4855.1	4729.0	4602.6	4481.2
12.5°	5989.0	5802.0	5615.1	5429.0	5242.8	5069.4	4896.0	4753.2	4610.5	4482.9
15°	6092.9	5898.0	5703.1	5501.1	5299.2	5099.4	4899.7	4734.5	4569.3	4428.0
17.5°	6151.3	5953.6	5756.0	5535.6	5315.3	5083.5	4851.6	4653.0	4454.3	4288.0
20°	6215.7	6010.3	5804.7	5562.6	5320.5	5039.5	4758.6	4512.3	4266.1	4072.5
22.5°	6290.4	6080.5	5870.5	5599.0	5327.3	4985.6	4643.9	4347.3	4050.7	3830.4
25°	6386.5	6180.8	5975.3	5664.9	5354.5	4932.4	4510.4	4163.0	3815.8	3590.0
27.5°	6517.1	6320.9	6124.7	5768.0	5411.1	4896.8	4382.5	3994.6	3606.6	3401.1
30°	6693.1	6503.5	6314.1	5901.4	5488.8	4880.2	4271.2	3853.7	3436.3	3263.7
32.5°	6900.9	6713.2	6525.6	6040.7	5555.7	4859.5	4163.0	3732.3	3301.5	3162.4
35°	7153.3	6973.7	6793.9	6199.4	5604.8	4820.7	4037.0	3613.0	3189.0	3073.1
37.5°	7578.3	7349.2	7120.2	6377.1	5634.0	4754.3	3874.5	3472.5	3070.5	2969.2
40°	8220.6	7886.8	7552.9	6602.7	5652.4	4662.7	3673.3	3304.9	2936.5	2844.7
42.5°	9072.4	8590.5	8108.6	6897.9	5687.3	4568.3	3449.7	3119.9	2790.2	2705.6
45°	10124.2	9474.2	8824.2	7286.4	5748.6	4480.5	3212.7	2923.5	2634.3	2548.4
47.5°	11439.6	10524.8	9609.9	7700.3	5790.7	4408.1	3025.5	2768.1	2510.7	2399.9
50°	13163.8	11784.6	10405.3	8084.2	5763.2	4329.1	2895.0	2664.9	2434.8	2289.1
52.5°	15142.9	13108.0	11073.0	8333.6	5594.0	4195.6	2797.4	2596.9	2396.5	2229.0
55°	17250.0	14281.2	11312.5	8278.6	5244.6	3974.5	2704.4	2547.6	2390.8	2235.0
57.5°	19166.5	15112.7	11058.9	7891.9	4725.1	3662.6	2600.0	2489.2	2378.4	2241.0
60°	20324.8	15320.5	10316.0	7172.2	4028.4	3257.7	2487.0	2399.9	2312.8	2222.2
62.5°	19736.6	14445.5	9154.4	6199.0	3243.6	2773.1	2302.5	2244.6	2186.9	2175.8
65°	18559.4	13207.6	7855.7	5206.1	2556.7	2337.0	2117.4	2090.1	2062.8	2064.2
67.5°	16982.1	11734.3	6486.5	4233.4	1980.4	1918.0	1855.5	1870.8	1885.9	1882.1
70°	15087.1	10126.8	5166.4	3333.2	1500.0	1517.9	1535.6	1606.3	1676.9	1676.9
72.5°	12828.9	8384.1	3939.4	2548.3	1157.1	1210.9	1264.8	1365.1	1465.2	1482.0
75°	9972.2	6386.4	2800.5	1849.5	898.5	947.2	996.0	1108.3	1220.6	1298.3
77.5°	7125.0	4469.9	1814.8	1253.3	691.7	724.9	758.2	867.2	976.3	1104.2
80°	4663.3	2879.9	1096.5	807.5	518.6	532.4	546.1	638.5	730.7	883.5
82.5°	2710.7	1666.8	623.0	496.6	370.6	373.0	375.7	443.7	511.7	642.3
85°	1192.6	749.8	307.0	265.5	224.1	222.9	221.5	271.3	321.1	418.2
87.5°	369.2	245.6	121.9	110.1	98.2	97.0	95.8	116.1	136.5	176.9
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°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4428.5	2.5°	4395.5	4362.7	4333.0	4303.5	4277.6	4251.6	4225.5	4199.6	4179.5	4159.2
4389.4	5°	4327.2	4264.9	4212.6	4160.6	4114.6	4068.6	4026.8	3984.9	3952.8	3920.5
4375.3	7.5°	4292.5	4209.9	4141.2	4072.5	4014.6	3956.6	3905.4	3854.4	3816.1	3778.0
4382.1	10°	4294.9	4207.7	4139.0	4070.3	4007.9	3945.4	3887.9	3830.4	3784.7	3738.9
4390.7	12.5°	4319.3	4248.2	4202.5	4157.2	4108.1	4059.3	3999.7	3940.3	3881.9	3823.5
4354.1	15°	4320.0	4286.0	4292.2	4298.3	4285.6	4272.9	4221.2	4169.5	4086.4	4003.3
4242.5	17.5°	4255.1	4267.4	4342.3	4417.2	4457.0	4496.7	4455.0	4413.4	4303.3	4193.2
4060.5	20°	4118.9	4177.3	4307.3	4437.4	4520.7	4604.0	4584.8	4565.4	4439.5	4313.8
3853.9	22.5°	3940.3	4026.7	4175.0	4323.8	4432.1	4540.5	4552.2	4563.7	4443.4	4323.2
3653.5	25°	3753.1	3852.7	3986.1	4119.7	4226.4	4333.0	4372.9	4412.5	4314.0	4215.6
3478.3	27.5°	3574.5	3670.7	3780.4	3890.0	3975.5	4061.0	4105.3	4149.8	4079.6	4009.5
3324.3	30°	3400.5	3477.1	3568.2	3659.2	3730.1	3801.2	3837.3	3873.3	3819.9	3766.3
3189.3	32.5°	3234.5	3279.7	3352.3	3425.1	3493.1	3561.3	3601.3	3641.5	3592.4	3543.1
3061.9	35°	3074.3	3086.8	3142.3	3197.6	3264.9	3332.4	3380.5	3428.5	3393.5	3358.6
2928.3	37.5°	2914.6	2900.8	2940.7	2980.3	3047.5	3114.8	3174.2	3233.6	3217.5	3201.3
2782.0	40°	2750.9	2719.8	2748.5	2777.2	2842.1	2907.0	2975.4	3043.9	3047.8	3051.6
2626.6	42.5°	2585.4	2544.1	2567.5	2591.0	2652.5	2714.2	2788.0	2861.8	2881.6	2901.3
2472.0	45°	2431.8	2391.8	2411.4	2431.3	2489.7	2548.1	2624.7	2701.3	2729.6	2757.9
2334.1	47.5°	2300.5	2266.8	2285.3	2303.7	2360.9	2417.9	2493.5	2569.0	2601.7	2634.3
2212.7	50°	2182.8	2153.1	2182.0	2211.0	2264.9	2318.7	2386.3	2454.0	2495.9	2537.8
2122.2	52.5°	2092.7	2063.3	2106.8	2150.0	2199.5	2248.8	2311.8	2375.0	2424.6	2474.2
2074.1	55°	2027.4	1980.9	2042.5	2104.0	2157.2	2210.5	2265.8	2320.9	2373.4	2426.2
2045.3	57.5°	1977.3	1909.3	1975.6	2041.8	2104.3	2166.9	2221.5	2276.2	2329.3	2382.2
2018.1	60°	1930.0	1841.8	1900.0	1958.0	2029.8	2101.6	2157.1	2212.7	2265.9	2319.2
1986.5	62.5°	1876.3	1766.2	1803.1	1840.1	1923.7	2007.5	2066.7	2126.0	2174.8	2223.5
1919.9	65°	1802.8	1685.5	1699.8	1713.8	1803.5	1893.3	1950.0	2006.6	2049.6	2092.5
1801.1	67.5°	1703.5	1606.0	1601.5	1597.1	1679.8	1762.8	1816.5	1870.1	1907.2	1944.3
1650.3	70°	1580.9	1511.5	1496.1	1480.6	1553.4	1626.3	1672.6	1719.0	1752.5	1786.0
1482.4	72.5°	1434.8	1387.2	1364.5	1342.1	1399.4	1456.6	1498.5	1540.4	1573.2	1606.0
1291.7	75°	1255.2	1218.4	1196.8	1175.0	1217.5	1260.1	1298.1	1336.0	1365.9	1395.8
1100.8	77.5°	1071.4	1042.0	1020.1	998.1	1032.8	1067.3	1099.9	1132.5	1164.0	1195.2
883.0	80°	858.5	833.7	815.4	796.8	825.7	854.3	881.8	909.3	933.2	956.9
649.5	82.5°	637.5	625.4	612.4	599.3	596.9	594.5	584.9	575.3	626.1	676.9
427.6	85°	414.7	401.8	387.2	372.6	360.3	347.7	321.1	294.5	342.1	389.8
188.9	87.5°	183.7	178.6	175.8	173.1	172.6	172.1	151.8	131.4	151.3	171.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4142.9	2.5°	4126.6	4113.9	4101.2	4089.5	4077.7	4063.1	4077.7	4089.5	4101.2	4113.9
3898.0	5°	3875.5	3859.6	3843.6	3831.4	3819.2	3807.2	3819.2	3831.4	3843.6	3859.6
3751.2	7.5°	3724.4	3706.1	3687.8	3676.9	3666.0	3657.8	3666.0	3676.9	3687.8	3706.1
3709.0	10°	3678.7	3661.4	3644.1	3634.8	3625.5	3621.7	3625.5	3634.8	3644.1	3661.4
3784.9	12.5°	3746.2	3726.8	3707.6	3699.7	3691.8	3690.4	3691.8	3699.7	3707.6	3726.8
3944.6	15°	3885.8	3858.9	3832.1	3821.8	3811.5	3810.6	3811.5	3821.8	3832.1	3858.9
4106.7	17.5°	4020.1	3980.3	3940.3	3927.2	3914.0	3912.0	3914.0	3927.2	3940.3	3980.3
4207.7	20°	4101.7	4050.7	3999.5	3983.2	3966.9	3961.8	3966.9	3983.2	3999.5	4050.7
4214.0	22.5°	4104.6	4050.9	3997.0	3978.9	3960.9	3953.2	3960.9	3978.9	3997.0	4050.9
4118.4	25°	4021.5	3974.8	3928.3	3911.3	3894.4	3884.5	3894.4	3911.3	3928.3	3974.8
3934.1	27.5°	3858.7	3827.5	3796.0	3788.3	3780.6	3778.0	3780.6	3788.3	3796.0	3827.5
3712.4	30°	3658.1	3642.2	3626.0	3626.0	3626.0	3628.6	3626.0	3626.0	3626.0	3642.2
3500.0	32.5°	3456.9	3446.4	3435.9	3437.3	3438.8	3441.4	3438.8	3437.3	3435.9	3446.4
3318.8	35°	3279.1	3263.2	3247.4	3243.9	3240.5	3238.8	3240.5	3243.9	3247.4	3263.2
3164.8	37.5°	3128.0	3099.0	3070.1	3054.9	3039.6	3031.0	3039.6	3054.9	3070.1	3099.0
3020.5	40°	2989.4	2947.2	2905.3	2876.8	2848.6	2831.8	2848.6	2876.8	2905.3	2947.2
2875.1	42.5°	2849.0	2796.6	2744.2	2702.8	2661.4	2634.3	2661.4	2702.8	2744.2	2796.6
2734.2	45°	2710.7	2650.8	2591.0	2542.4	2493.8	2462.6	2493.8	2542.4	2591.0	2650.8
2617.8	47.5°	2601.3	2548.1	2494.9	2449.9	2405.0	2375.0	2405.0	2449.9	2494.9	2548.1
2536.8	50°	2536.1	2493.5	2450.9	2409.3	2367.8	2338.9	2367.8	2409.3	2450.9	2493.5
2483.2	52.5°	2492.1	2457.4	2422.7	2385.5	2348.4	2321.8	2348.4	2385.5	2422.7	2457.4
2438.5	55°	2450.9	2420.7	2390.4	2357.8	2325.2	2301.1	2325.2	2357.8	2390.4	2420.7
2394.7	57.5°	2407.3	2376.7	2346.1	2313.9	2281.4	2256.5	2281.4	2313.9	2346.1	2376.7
2332.9	60°	2346.7	2316.8	2287.1	2253.8	2220.4	2194.7	2220.4	2253.8	2287.1	2316.8
2236.8	62.5°	2250.0	2223.0	2196.1	2161.0	2126.0	2095.1	2126.0	2161.0	2196.1	2223.0
2106.1	65°	2119.5	2093.5	2067.6	2033.6	1999.8	1973.1	1999.8	2033.6	2067.6	2093.5
1957.5	67.5°	1970.6	1946.7	1923.0	1891.4	1859.8	1835.8	1859.8	1891.4	1923.0	1946.7
1798.7	70°	1811.4	1792.0	1772.6	1742.3	1712.1	1684.6	1712.1	1742.3	1772.6	1792.0
1621.1	72.5°	1636.2	1620.1	1603.9	1575.1	1546.4	1519.8	1546.4	1575.1	1603.9	1620.1
1411.6	75°	1427.4	1419.5	1411.6	1387.4	1363.2	1337.8	1363.2	1387.4	1411.6	1419.5
1210.0	77.5°	1224.8	1213.8	1202.4	1178.1	1153.7	1133.4	1153.7	1178.1	1202.4	1213.8
976.4	80°	996.0	991.2	986.6	953.8	920.8	882.7	920.8	953.8	986.6	991.2
710.3	82.5°	743.6	741.5	739.3	711.6	683.8	659.4	683.8	711.6	739.3	741.5
431.0	85°	472.3	468.8	465.4	443.7	422.1	400.1	422.1	443.7	465.4	468.8
188.0	87.5°	204.7	200.6	196.1	185.1	173.8	163.1	173.8	185.1	196.1	200.6
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°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4126.6	2.5°	4142.9	4159.2	4179.5	4199.6	4225.5	4251.6	4277.6	4303.5	4333.0	4362.7
3875.5	5°	3898.0	3920.5	3952.8	3984.9	4026.8	4068.6	4114.6	4160.6	4212.6	4264.9
3724.4	7.5°	3751.2	3778.0	3816.1	3854.4	3905.4	3956.6	4014.6	4072.5	4141.2	4209.9
3678.7	10°	3709.0	3738.9	3784.7	3830.4	3887.9	3945.4	4007.9	4070.3	4139.0	4207.7
3746.2	12.5°	3784.9	3823.5	3881.9	3940.3	3999.7	4059.3	4108.1	4157.2	4202.5	4248.2
3885.8	15°	3944.6	4003.3	4086.4	4169.5	4221.2	4272.9	4285.6	4298.3	4292.2	4286.0
4020.1	17.5°	4106.7	4193.2	4303.3	4413.4	4455.0	4496.7	4457.0	4417.2	4342.3	4267.4
4101.7	20°	4207.7	4313.8	4439.5	4565.4	4584.8	4604.0	4520.7	4437.4	4307.3	4177.3
4104.6	22.5°	4214.0	4323.2	4443.4	4563.7	4552.2	4540.5	4432.1	4323.8	4175.0	4026.7
4021.5	25°	4118.4	4215.6	4314.0	4412.5	4372.9	4333.0	4226.4	4119.7	3986.1	3852.7
3858.7	27.5°	3934.1	4009.5	4079.6	4149.8	4105.3	4061.0	3975.5	3890.0	3780.4	3670.7
3658.1	30°	3712.4	3766.3	3819.9	3873.3	3837.3	3801.2	3730.1	3659.2	3568.2	3477.1
3456.9	32.5°	3500.0	3543.1	3592.4	3641.5	3601.3	3561.3	3493.1	3425.1	3352.3	3279.7
3279.1	35°	3318.8	3358.6	3393.5	3428.5	3380.5	3332.4	3264.9	3197.6	3142.3	3086.8
3128.0	37.5°	3164.8	3201.3	3217.5	3233.6	3174.2	3114.8	3047.5	2980.3	2940.7	2900.8
2989.4	40°	3020.5	3051.6	3047.8	3043.9	2975.4	2907.0	2842.1	2777.2	2748.5	2719.8
2849.0	42.5°	2875.1	2901.3	2881.6	2861.8	2788.0	2714.2	2652.5	2591.0	2567.5	2544.1
2710.7	45°	2734.2	2757.9	2729.6	2701.3	2624.7	2548.1	2489.7	2431.3	2411.4	2391.8
2601.3	47.5°	2617.8	2634.3	2601.7	2569.0	2493.5	2417.9	2360.9	2303.7	2285.3	2266.8
2536.1	50°	2536.8	2537.8	2495.9	2454.0	2386.3	2318.7	2264.9	2211.0	2182.0	2153.1
2492.1	52.5°	2483.2	2474.2	2424.6	2375.0	2311.8	2248.8	2199.5	2150.0	2106.8	2063.3
2450.9	55°	2438.5	2426.2	2373.4	2320.9	2265.8	2210.5	2157.2	2104.0	2042.5	1980.9
2407.3	57.5°	2394.7	2382.2	2329.3	2276.2	2221.5	2166.9	2104.3	2041.8	1975.6	1909.3
2346.7	60°	2332.9	2319.2	2265.9	2212.7	2157.1	2101.6	2029.8	1958.0	1900.0	1841.8
2250.0	62.5°	2236.8	2223.5	2174.8	2126.0	2066.7	2007.5	1923.7	1840.1	1803.1	1766.2
2119.5	65°	2106.1	2092.5	2049.6	2006.6	1950.0	1893.3	1803.5	1713.8	1699.8	1685.5
1970.6	67.5°	1957.5	1944.3	1907.2	1870.1	1816.5	1762.8	1679.8	1597.1	1601.5	1606.0
1811.4	70°	1798.7	1786.0	1752.5	1719.0	1672.6	1626.3	1553.4	1480.6	1496.1	1511.5
1636.2	72.5°	1621.1	1606.0	1573.2	1540.4	1498.5	1456.6	1399.4	1342.1	1364.5	1387.2
1427.4	75°	1411.6	1395.8	1365.9	1336.0	1298.1	1260.1	1217.5	1175.0	1196.8	1218.4
1224.8	77.5°	1210.0	1195.2	1164.0	1132.5	1099.9	1067.3	1032.8	998.1	1020.1	1042.0
996.0	80°	976.4	956.9	933.2	909.3	881.8	854.3	825.7	796.8	815.4	833.7
743.6	82.5°	710.3	676.9	626.1	575.3	584.9	594.5	596.9	599.3	612.4	625.4
472.3	85°	431.0	389.8	342.1	294.5	321.1	347.7	360.3	372.6	387.2	401.8
204.7	87.5°	188.0	171.4	151.3	131.4	151.8	172.1	172.6	173.1	175.8	178.6
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°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4395.5	2.5°	4428.5	4469.2	4505.8	4543.6	4581.3	4620.8	4660.3	4699.5	4738.8	4775.7
4327.2	5°	4389.4	4460.6	4532.7	4609.2	4685.6	4767.3	4849.2	4930.5	5011.9	5093.4
4292.5	7.5°	4375.3	4467.5	4565.9	4672.5	4779.2	4900.2	5021.3	5145.6	5270.0	5404.4
4294.9	10°	4382.1	4481.2	4602.6	4729.0	4855.1	5002.2	5149.2	5313.4	5477.8	5647.9
4319.3	12.5°	4390.7	4482.9	4610.5	4753.2	4896.0	5069.4	5242.8	5429.0	5615.1	5802.0
4320.0	15°	4354.1	4428.0	4569.3	4734.5	4899.7	5099.4	5299.2	5501.1	5703.1	5898.0
4255.1	17.5°	4242.5	4288.0	4454.3	4653.0	4851.6	5083.5	5315.3	5535.6	5756.0	5953.6
4118.9	20°	4060.5	4072.5	4266.1	4512.3	4758.6	5039.5	5320.5	5562.6	5804.7	6010.3
3940.3	22.5°	3853.9	3830.4	4050.7	4347.3	4643.9	4985.6	5327.3	5599.0	5870.5	6080.5
3753.1	25°	3653.5	3590.0	3815.8	4163.0	4510.4	4932.4	5354.5	5664.9	5975.3	6180.8
3574.5	27.5°	3478.3	3401.1	3606.6	3994.6	4382.5	4896.8	5411.1	5768.0	6124.7	6320.9
3400.5	30°	3324.3	3263.7	3436.3	3853.7	4271.2	4880.2	5488.8	5901.4	6314.1	6503.5
3234.5	32.5°	3189.3	3162.4	3301.5	3732.3	4163.0	4859.5	5555.7	6040.7	6525.6	6713.2
3074.3	35°	3061.9	3073.1	3189.0	3613.0	4037.0	4820.7	5604.8	6199.4	6793.9	6973.7
2914.6	37.5°	2928.3	2969.2	3070.5	3472.5	3874.5	4754.3	5634.0	6377.1	7120.2	7349.2
2750.9	40°	2782.0	2844.7	2936.5	3304.9	3673.3	4662.7	5652.4	6602.7	7552.9	7886.8
2585.4	42.5°	2626.6	2705.6	2790.2	3119.9	3449.7	4568.3	5687.3	6897.9	8108.6	8590.5
2431.8	45°	2472.0	2548.4	2634.3	2923.5	3212.7	4480.5	5748.6	7286.4	8824.2	9474.2
2300.5	47.5°	2334.1	2399.9	2510.7	2768.1	3025.5	4408.1	5790.7	7700.3	9609.9	10524.8
2182.8	50°	2212.7	2289.1	2434.8	2664.9	2895.0	4329.1	5763.2	8084.2	10405.3	11784.6
2092.7	52.5°	2122.2	2229.0	2396.5	2596.9	2797.4	4195.6	5594.0	8333.6	11073.0	13108.0
2027.4	55°	2074.1	2235.0	2390.8	2547.6	2704.4	3974.5	5244.6	8278.6	11312.5	14281.2
1977.3	57.5°	2045.3	2241.0	2378.4	2489.2	2600.0	3662.6	4725.1	7891.9	11058.9	15112.7
1930.0	60°	2018.1	2222.2	2312.8	2399.9	2487.0	3257.7	4028.4	7172.2	10316.0	15320.5
1876.3	62.5°	1986.5	2175.8	2186.9	2244.6	2302.5	2773.1	3243.6	6199.0	9154.4	14445.5
1802.8	65°	1919.9	2064.2	2062.8	2090.1	2117.4	2337.0	2556.7	5206.1	7855.7	13207.6
1703.5	67.5°	1801.1	1882.1	1885.9	1870.8	1855.5	1918.0	1980.4	4233.4	6486.5	11734.3
1580.9	70°	1650.3	1676.9	1676.9	1606.3	1535.6	1517.9	1500.0	3333.2	5166.4	10126.8
1434.8	72.5°	1482.4	1482.0	1465.2	1365.1	1264.8	1210.9	1157.1	2548.3	3939.4	8384.1
1255.2	75°	1291.7	1298.3	1220.6	1108.3	996.0	947.2	898.5	1849.5	2800.5	6386.4
1071.4	77.5°	1100.8	1104.2	976.3	867.2	758.2	724.9	691.7	1253.3	1814.8	4469.9
858.5	80°	883.0	883.5	730.7	638.5	546.1	532.4	518.6	807.5	1096.5	2879.9
637.5	82.5°	649.5	642.3	511.7	443.7	375.7	373.0	370.6	496.6	623.0	1666.8
414.7	85°	427.6	418.2	321.1	271.3	221.5	222.9	224.1	265.5	307.0	749.8
183.7	87.5°	188.9	176.9	136.5	116.1	95.8	97.0	98.2	110.1	121.9	245.6
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°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4812.7	2.5°	4830.9	4849.2	4875.2	4901.1	4916.6	4932.0	4939.7	4947.5	4944.0	4947.5
5175.0	5°	5238.7	5302.6	5365.8	5429.2	5463.5	5497.9	5518.6	5539.6	5555.4	5539.6
5539.1	7.5°	5642.8	5746.3	5839.6	5932.8	5989.0	6045.2	6075.5	6105.8	6120.4	6105.8
5818.1	10°	5940.7	6063.4	6172.7	6282.1	6348.4	6414.4	6443.9	6473.3	6484.4	6473.3
5989.0	12.5°	6121.9	6254.7	6353.6	6452.1	6500.2	6548.3	6564.5	6580.6	6582.3	6580.6
6092.9	15°	6207.6	6322.1	6384.1	6446.3	6448.0	6449.7	6432.6	6415.4	6395.1	6415.4
6151.3	17.5°	6228.7	6306.2	6307.4	6308.4	6238.9	6169.3	6105.6	6041.7	5996.7	6041.7
6215.7	20°	6242.6	6269.8	6188.2	6106.6	5953.1	5799.6	5687.8	5576.0	5507.3	5576.0
6290.4	22.5°	6255.0	6219.6	6050.6	5881.7	5655.8	5430.0	5290.2	5150.5	5074.5	5150.5
6386.5	25°	6274.9	6163.3	5906.7	5650.2	5375.9	5101.7	4954.7	4808.0	4736.2	4808.0
6517.1	27.5°	6317.5	6117.8	5777.9	5438.3	5134.3	4830.4	4685.8	4541.3	4473.5	4541.3
6693.1	30°	6395.5	6098.0	5679.7	5261.4	4944.7	4628.1	4493.9	4359.8	4296.6	4359.8
6900.9	32.5°	6493.4	6086.0	5612.7	5139.5	4841.9	4544.3	4439.0	4333.5	4288.0	4333.5
7153.3	35°	6654.6	6156.1	5662.9	5169.9	4963.1	4756.5	4732.0	4707.4	4703.6	4707.4
7578.3	37.5°	6991.7	6405.1	5956.9	5508.7	5495.3	5481.9	5594.2	5706.5	5764.9	5706.5
8220.6	40°	7582.6	6944.7	6611.3	6278.0	6513.3	6748.5	7021.6	7294.6	7430.6	7294.6
9072.4	42.5°	8439.4	7806.4	7614.4	7422.4	7935.5	8448.6	8945.3	9441.9	9733.5	9441.9
10124.2	45°	9555.6	8986.8	8902.2	8817.3	9639.4	10461.6	11277.7	12093.9	12589.3	12093.9
11439.6	47.5°	10886.5	10333.2	10316.0	10298.8	11484.8	12670.4	13865.1	15059.6	15761.1	15059.6
13163.8	50°	12480.5	11797.3	11800.3	11803.2	13331.5	14859.9	16436.9	18013.9	18967.3	18013.9
15142.9	52.5°	14315.5	13488.3	13404.7	13320.9	15146.5	16972.2	18923.3	20874.3	22017.2	20874.3
17250.0	55°	16432.6	15615.2	15289.1	14963.0	16994.8	19026.5	21352.6	23678.6	25037.9	23678.6
19166.5	57.5°	18721.4	18276.1	17622.0	16968.0	19019.7	21071.3	23705.9	26340.4	28025.9	26340.4
20324.8	60°	21016.2	21707.7	20895.5	20083.2	22024.7	23966.3	26787.1	29607.9	31429.6	29607.9
19736.6	62.5°	21625.8	23515.0	23423.5	23331.8	25110.3	26889.1	29572.8	32256.4	33940.2	32256.4
18559.4	65°	20332.5	22105.6	22456.5	22807.1	25067.4	27327.9	29930.2	32532.4	33966.0	32532.4
16982.1	67.5°	18668.5	20354.9	20519.4	20683.7	23038.8	25393.7	28007.2	30620.7	31743.8	30620.7
15087.1	70°	16921.3	18755.7	18829.2	18902.9	21009.0	23114.9	25364.0	27612.9	28237.1	27612.9
12828.9	72.5°	14933.8	17038.8	17091.7	17144.4	18792.1	20439.9	22124.3	23808.6	23871.8	23808.6
9972.2	75°	12150.7	14329.3	14524.9	14720.5	16002.4	17284.4	18470.1	19655.9	19338.2	19655.9
7125.0	77.5°	9158.6	11192.3	11472.3	11752.2	12726.7	13701.3	14542.2	15383.3	14837.3	15383.3
4663.3	80°	6374.2	8084.9	8432.8	8780.8	9516.8	10252.5	10694.2	11135.7	10257.3	11135.7
2710.7	82.5°	3880.4	5050.2	5438.8	5827.6	6334.2	6840.8	7025.0	7209.1	6518.8	7209.1
1192.6	85°	1813.4	2434.2	2764.8	3095.4	3511.7	3927.8	4032.3	4136.9	3584.0	4136.9
369.2	87.5°	577.9	786.5	970.9	1155.4	1363.5	1571.6	1580.6	1589.3	1334.3	1589.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
4475.2	0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
4939.7	2.5°	4932.0	4916.6	4901.1	4875.2	4849.2	4830.9	4812.7
5518.6	5°	5497.9	5463.5	5429.2	5365.8	5302.6	5238.7	5175.0
6075.5	7.5°	6045.2	5989.0	5932.8	5839.6	5746.3	5642.8	5539.1
6443.9	10°	6414.4	6348.4	6282.1	6172.7	6063.4	5940.7	5818.1
6564.5	12.5°	6548.3	6500.2	6452.1	6353.6	6254.7	6121.9	5989.0
6432.6	15°	6449.7	6448.0	6446.3	6384.1	6322.1	6207.6	6092.9
6105.6	17.5°	6169.3	6238.9	6308.4	6307.4	6306.2	6228.7	6151.3
5687.8	20°	5799.6	5953.1	6106.6	6188.2	6269.8	6242.6	6215.7
5290.2	22.5°	5430.0	5655.8	5881.7	6050.6	6219.6	6255.0	6290.4
4954.7	25°	5101.7	5375.9	5650.2	5906.7	6163.3	6274.9	6386.5
4685.8	27.5°	4830.4	5134.3	5438.3	5777.9	6117.8	6317.5	6517.1
4493.9	30°	4628.1	4944.7	5261.4	5679.7	6098.0	6395.5	6693.1
4439.0	32.5°	4544.3	4841.9	5139.5	5612.7	6086.0	6493.4	6900.9
4732.0	35°	4756.5	4963.1	5169.9	5662.9	6156.1	6654.6	7153.3
5594.2	37.5°	5481.9	5495.3	5508.7	5956.9	6405.1	6991.7	7578.3
7021.6	40°	6748.5	6513.3	6278.0	6611.3	6944.7	7582.6	8220.6
8945.3	42.5°	8448.6	7935.5	7422.4	7614.4	7806.4	8439.4	9072.4
11277.7	45°	10461.6	9639.4	8817.3	8902.2	8986.8	9555.6	10124.2
13865.1	47.5°	12670.4	11484.8	10298.8	10316.0	10333.2	10886.5	11439.6
16436.9	50°	14859.9	13331.5	11803.2	11800.3	11797.3	12480.5	13163.8
18923.3	52.5°	16972.2	15146.5	13320.9	13404.7	13488.3	14315.5	15142.9
21352.6	55°	19026.5	16994.8	14963.0	15289.1	15615.2	16432.6	17250.0
23705.9	57.5°	21071.3	19019.7	16968.0	17622.0	18276.1	18721.4	19166.5
26787.1	60°	23966.3	22024.7	20083.2	20895.5	21707.7	21016.2	20324.8
29572.8	62.5°	26889.1	25110.3	23331.8	23423.5	23515.0	21625.8	19736.6
29930.2	65°	27327.9	25067.4	22807.1	22456.5	22105.6	20332.5	18559.4
28007.2	67.5°	25393.7	23038.8	20683.7	20519.4	20354.9	18668.5	16982.1
25364.0	70°	23114.9	21009.0	18902.9	18829.2	18755.7	16921.3	15087.1
22124.3	72.5°	20439.9	18792.1	17144.4	17091.7	17038.8	14933.8	12828.9
18470.1	75°	17284.4	16002.4	14720.5	14524.9	14329.3	12150.7	9972.2
14542.2	77.5°	13701.3	12726.7	11752.2	11472.3	11192.3	9158.6	7125.0
10694.2	80°	10252.5	9516.8	8780.8	8432.8	8084.9	6374.2	4663.3
7025.0	82.5°	6840.8	6334.2	5827.6	5438.8	5050.2	3880.4	2710.7
4032.3	85°	3927.8	3511.7	3095.4	2764.8	2434.2	1813.4	1192.6
1580.6	87.5°	1571.6	1363.5	1155.4	970.9	786.5	577.9	369.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)