

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: P956516

Luminaire Tested: **GALN-SB9A-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956516
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-SB9A-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24781 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

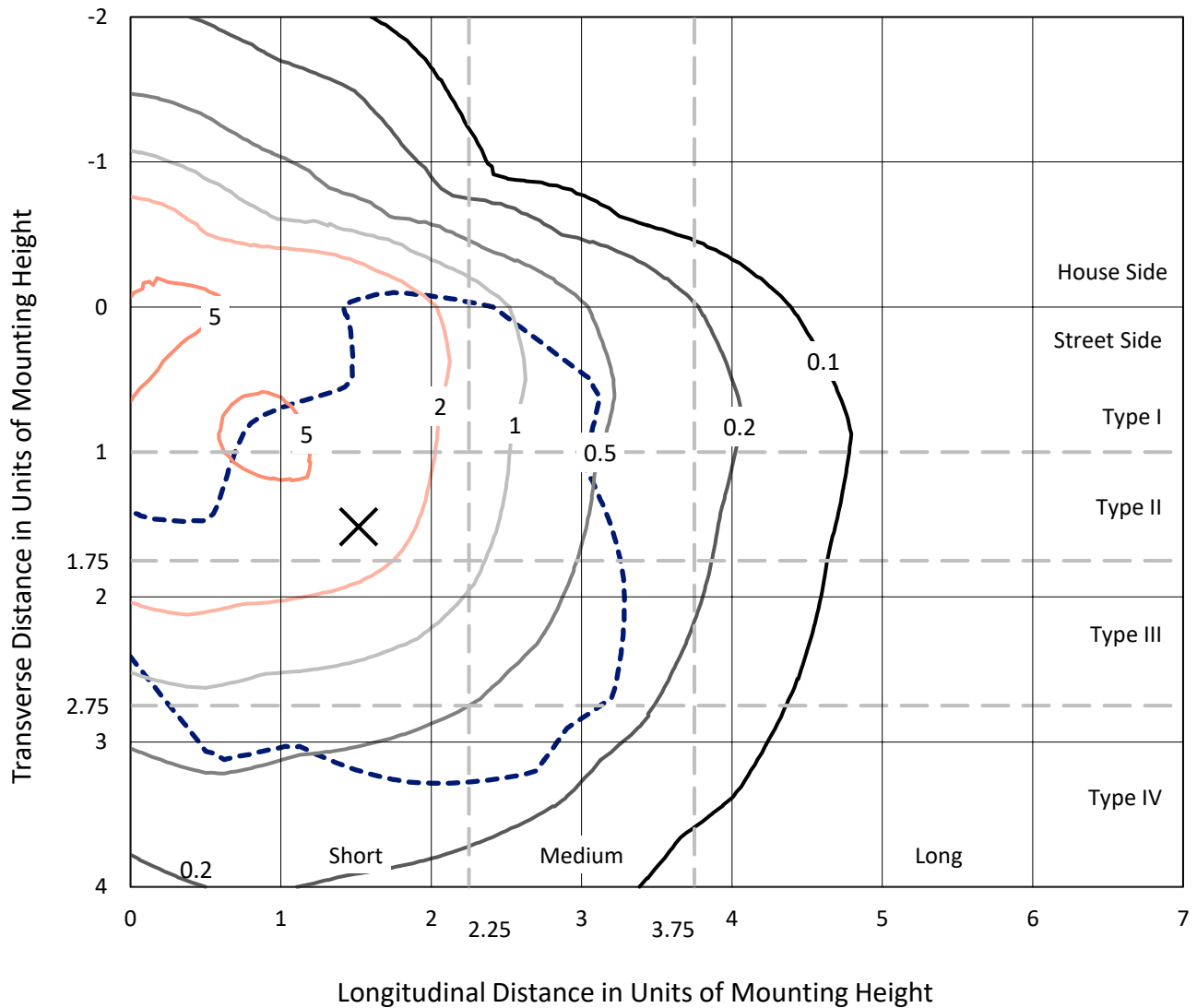
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

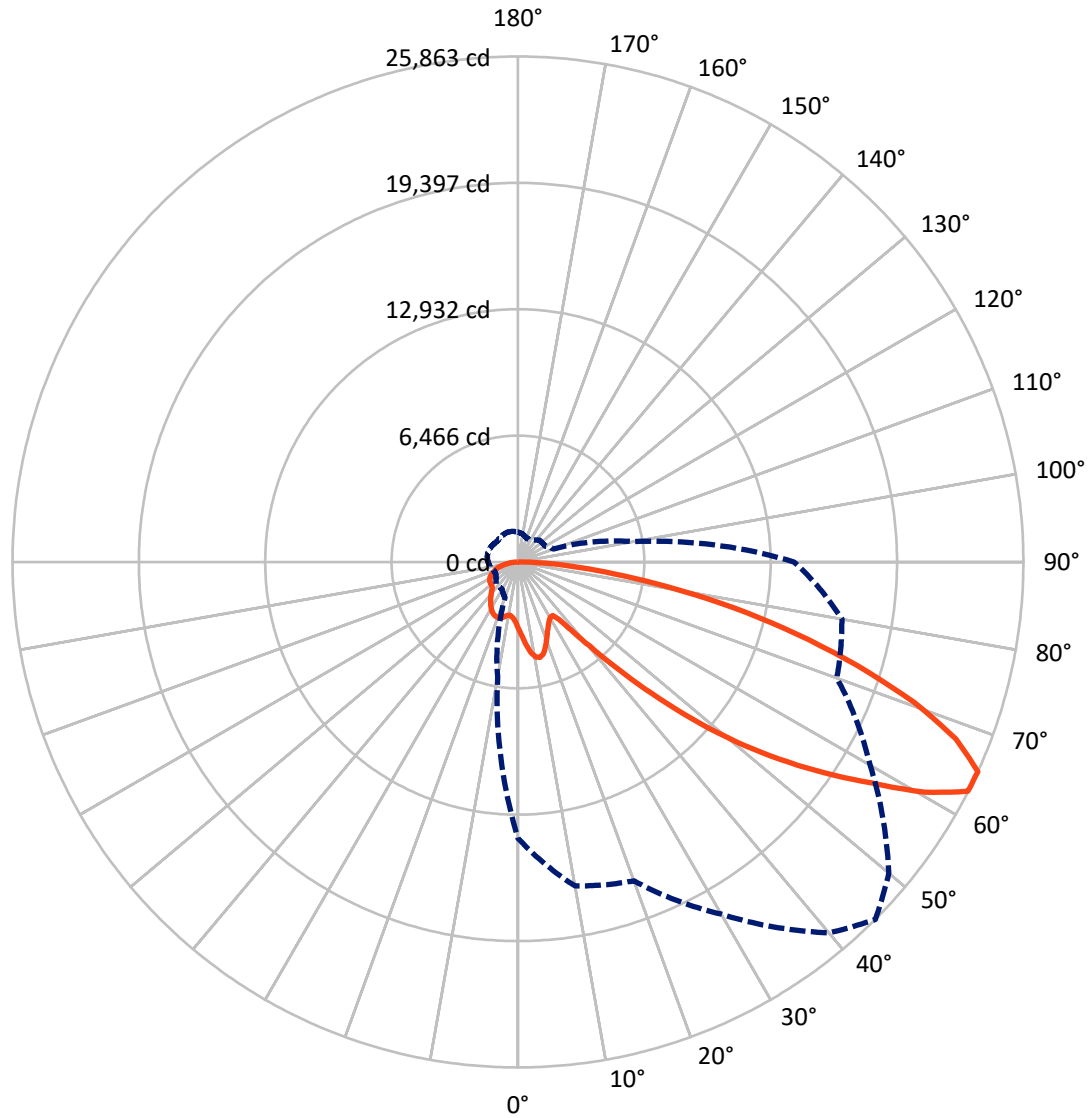
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6298.1	0.0	6298.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18482.9	0.0	18482.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	24781.0	0.0	24781.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.0	1.4
10°-20°	1061.2	4.3
20°-30°	1639.1	6.6
30°-40°	2077.2	8.4
40°-50°	3132.9	12.6
50°-60°	5061.6	20.4
60°-70°	6310.1	25.5
70°-80°	4137.9	16.7
80°-90°	1023.0	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24781.0	100.0
0°-180°	24781.0	100.0



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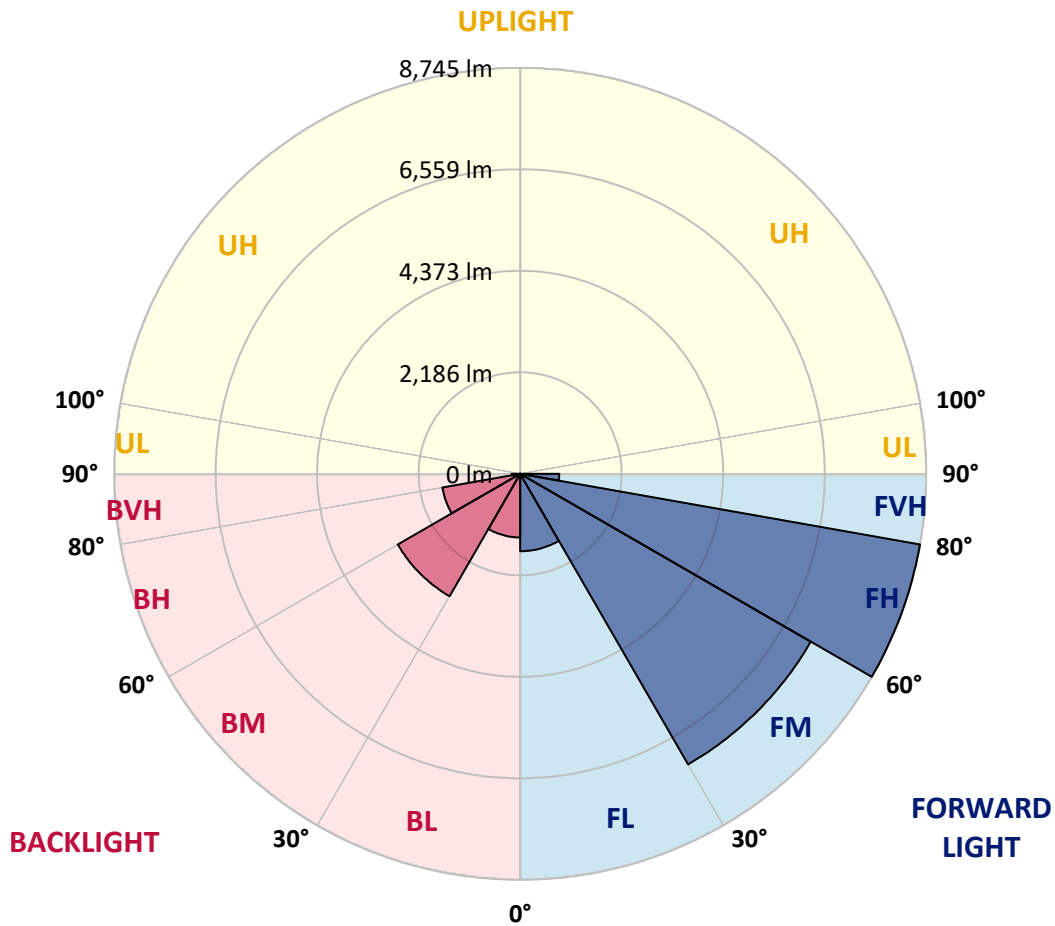
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1666.8	6.7			
FM (30°-60°)	7228.1	29.2			
FH (60°-80°)	8745.3	35.3			G4/12000
FVH (80°-90°)	842.7	3.4			G5
BL (0°-30°)	1371.5	5.5	B3/2500		
BM (30°-60°)	3043.6	12.3	B3/5000		
BH (60°-80°)	1702.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	180.3	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°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
2.5°	3664.5	3678.4	3692.4	3712.1	3731.9	3743.7	3755.4	3761.3	3767.2	3764.6
5°	3940.4	3989.0	4037.6	4085.7	4134.0	4160.1	4186.3	4202.1	4218.1	4230.1
7.5°	4217.7	4296.6	4375.5	4446.5	4517.5	4560.2	4603.0	4626.2	4649.2	4660.3
10°	4430.1	4523.5	4616.9	4700.2	4783.5	4833.9	4884.1	4906.6	4929.0	4937.5
12.5°	4560.2	4661.5	4762.5	4837.9	4912.9	4949.5	4986.1	4998.4	5010.7	5012.0
15°	4639.4	4726.7	4813.9	4861.1	4908.5	4909.8	4911.1	4898.0	4884.9	4869.5
17.5°	4683.8	4742.8	4801.8	4802.7	4803.5	4750.5	4697.5	4649.0	4600.4	4566.1
20°	4732.9	4753.4	4774.0	4711.9	4649.8	4532.9	4416.0	4330.9	4245.8	4193.5
22.5°	4789.7	4762.8	4735.9	4607.2	4478.5	4306.6	4134.6	4028.2	3921.7	3864.0
25°	4863.0	4778.0	4693.0	4497.6	4302.3	4093.4	3884.6	3772.7	3661.0	3606.4
27.5°	4962.3	4810.4	4658.3	4399.5	4140.9	3909.5	3678.0	3567.9	3457.9	3406.3
30°	5096.4	4869.8	4643.3	4324.8	4006.2	3765.1	3524.0	3421.9	3319.7	3271.6
32.5°	5254.6	4944.3	4634.1	4273.8	3913.4	3686.8	3460.2	3380.0	3299.7	3265.1
35°	5446.8	5067.1	4687.5	4311.9	3936.5	3779.1	3621.8	3603.1	3584.4	3581.5
37.5°	5770.4	5323.8	4877.1	4535.8	4194.5	4184.3	4174.1	4259.6	4345.1	4389.6
40°	6259.5	5773.7	5287.9	5034.1	4780.3	4959.5	5138.6	5346.5	5554.4	5658.0
42.5°	6908.0	6426.1	5944.1	5797.9	5651.7	6042.4	6433.1	6811.3	7189.4	7411.5
45°	7708.9	7276.0	6842.9	6778.5	6713.9	7339.8	7965.9	8587.3	9208.8	9586.0
47.5°	8710.6	8289.4	7868.1	7855.0	7841.9	8745.0	9647.7	10557.4	11467.0	12001.1
50°	10023.4	9503.1	8982.9	8985.2	8987.4	10151.1	11314.9	12515.7	13716.4	14442.4
52.5°	11530.4	10900.4	10270.5	10206.9	10143.0	11533.1	12923.3	14408.9	15894.5	16764.7
55°	13134.8	12512.4	11890.0	11641.7	11393.4	12940.5	14487.5	16258.7	18029.8	19064.8
57.5°	14594.1	14255.2	13916.1	13418.0	12920.1	14482.3	16044.5	18050.6	20056.6	21340.0
60°	15476.1	16002.5	16529.1	15910.6	15292.1	16770.5	18248.8	20396.7	22544.6	23931.7
62.5°	15028.2	16466.7	17905.2	17835.5	17765.7	19120.0	20474.4	22517.9	24561.3	25843.4
65°	14131.9	15482.0	16832.1	17099.2	17366.2	19087.3	20808.5	22790.0	24771.4	25863.0
67.5°	12930.8	14214.9	15499.0	15624.2	15749.4	17542.6	19335.7	21325.7	23315.8	24171.0
70°	11487.9	12884.5	14281.3	14337.3	14393.4	15997.0	17600.5	19313.1	21025.5	21500.8
72.5°	9768.4	11371.1	12974.0	13014.3	13054.4	14309.0	15563.7	16846.3	18128.8	18176.9
75°	7593.2	9252.0	10910.9	11059.8	11208.7	12184.9	13161.0	14063.9	14966.8	14724.9
77.5°	5425.2	6973.7	8522.3	8735.4	8948.5	9690.6	10432.7	11073.0	11713.5	11297.6
80°	3550.8	4853.5	6156.2	6421.1	6686.0	7246.4	7806.6	8142.9	8479.1	7810.3
82.5°	2064.0	2954.6	3845.4	4141.3	4437.3	4823.1	5208.8	5349.1	5489.3	4963.6
85°	908.1	1380.8	1853.5	2105.2	2356.9	2673.9	2990.7	3070.4	3150.0	2729.0
87.5°	281.1	440.0	598.9	739.3	879.8	1038.2	1196.7	1203.5	1210.2	1016.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3767.2	2.5°	3761.3	3755.4	3743.7	3731.9	3712.1	3692.4	3678.4	3664.5	3636.4	3608.3
4218.1	5°	4202.1	4186.3	4160.1	4134.0	4085.7	4037.6	3989.0	3940.4	3878.3	3816.2
4649.2	7.5°	4626.2	4603.0	4560.2	4517.5	4446.5	4375.5	4296.6	4217.7	4115.1	4012.8
4929.0	10°	4906.6	4884.1	4833.9	4783.5	4700.2	4616.9	4523.5	4430.1	4300.6	4171.0
5010.7	12.5°	4998.4	4986.1	4949.5	4912.9	4837.9	4762.5	4661.5	4560.2	4417.9	4275.6
4884.9	15°	4898.0	4911.1	4909.8	4908.5	4861.1	4813.9	4726.7	4639.4	4490.9	4342.5
4600.4	17.5°	4649.0	4697.5	4750.5	4803.5	4802.7	4801.8	4742.8	4683.8	4533.3	4382.8
4245.8	20°	4330.9	4416.0	4532.9	4649.8	4711.9	4774.0	4753.4	4732.9	4576.5	4419.9
3921.7	22.5°	4028.2	4134.6	4306.6	4478.5	4607.2	4735.9	4762.8	4789.7	4629.9	4470.0
3661.0	25°	3772.7	3884.6	4093.4	4302.3	4497.6	4693.0	4778.0	4863.0	4706.3	4549.8
3457.9	27.5°	3567.9	3678.0	3909.5	4140.9	4399.5	4658.3	4810.4	4962.3	4813.0	4663.5
3319.7	30°	3421.9	3524.0	3765.1	4006.2	4324.8	4643.3	4869.8	5096.4	4952.0	4807.8
3299.7	32.5°	3380.0	3460.2	3686.8	3913.4	4273.8	4634.1	4944.3	5254.6	5111.7	4968.9
3584.4	35°	3603.1	3621.8	3779.1	3936.5	4311.9	4687.5	5067.1	5446.8	5310.0	5173.1
4345.1	37.5°	4259.6	4174.1	4184.3	4194.5	4535.8	4877.1	5323.8	5770.4	5596.0	5421.6
5554.4	40°	5346.5	5138.6	4959.5	4780.3	5034.1	5287.9	5773.7	6259.5	6005.3	5751.1
7189.4	42.5°	6811.3	6433.1	6042.4	5651.7	5797.9	5944.1	6426.1	6908.0	6541.1	6174.2
9208.8	45°	8587.3	7965.9	7339.8	6713.9	6778.5	6842.9	7276.0	7708.9	7214.0	6719.1
11467.0	47.5°	10557.4	9647.7	8745.0	7841.9	7855.0	7868.1	8289.4	8710.6	8014.0	7317.3
13716.4	50°	12515.7	11314.9	10151.1	8987.4	8985.2	8982.9	9503.1	10023.4	8973.3	7923.0
15894.5	52.5°	14408.9	12923.3	11533.1	10143.0	10206.9	10270.5	10900.4	11530.4	9980.9	8431.4
18029.8	55°	16258.7	14487.5	12940.5	11393.4	11641.7	11890.0	12512.4	13134.8	10874.2	8613.8
20056.6	57.5°	18050.6	16044.5	14482.3	12920.1	13418.0	13916.1	14255.2	14594.1	11507.4	8420.7
22544.6	60°	20396.7	18248.8	16770.5	15292.1	15910.6	16529.1	16002.5	15476.1	11665.6	7855.0
24561.3	62.5°	22517.9	20474.4	19120.0	17765.7	17835.5	17905.2	16466.7	15028.2	10999.4	6970.5
24771.4	65°	22790.0	20808.5	19087.3	17366.2	17099.2	16832.1	15482.0	14131.9	10056.7	5981.6
23315.8	67.5°	21325.7	19335.7	17542.6	15749.4	15624.2	15499.0	14214.9	12930.8	8934.9	4939.1
21025.5	70°	19313.1	17600.5	15997.0	14393.4	14337.3	14281.3	12884.5	11487.9	7710.9	3933.9
18128.8	72.5°	16846.3	15563.7	14309.0	13054.4	13014.3	12974.0	11371.1	9768.4	6384.0	2999.6
14966.8	75°	14063.9	13161.0	12184.9	11208.7	11059.8	10910.9	9252.0	7593.2	4862.8	2132.4
11713.5	77.5°	11073.0	10432.7	9690.6	8948.5	8735.4	8522.3	6973.7	5425.2	3403.5	1381.9
8479.1	80°	8142.9	7806.6	7246.4	6686.0	6421.1	6156.2	4853.5	3550.8	2192.8	834.9
5489.3	82.5°	5349.1	5208.8	4823.1	4437.3	4141.3	3845.4	2954.6	2064.0	1269.2	474.4
3150.0	85°	3070.4	2990.7	2673.9	2356.9	2105.2	1853.5	1380.8	908.1	570.9	233.8
1210.2	87.5°	1203.5	1196.7	1038.2	879.8	739.3	598.9	440.0	281.1	187.0	92.8
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°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3578.4	2.5°	3548.6	3518.5	3488.4	3459.6	3430.9	3403.0	3372.0	3346.9	3322.0	3299.3
3754.2	5°	3692.4	3630.0	3567.8	3509.6	3451.4	3396.5	3342.2	3294.9	3247.4	3207.7
3918.1	7.5°	3823.4	3731.2	3639.0	3557.8	3476.6	3401.7	3331.5	3268.5	3205.6	3153.3
4045.8	10°	3920.8	3808.9	3696.8	3600.9	3504.6	3412.2	3336.7	3270.3	3203.9	3151.6
4133.8	12.5°	3992.1	3860.0	3728.0	3619.3	3510.6	3413.5	3343.3	3288.9	3234.7	3200.0
4188.8	15°	4035.0	3882.9	3730.8	3605.0	3479.3	3371.6	3315.4	3289.4	3263.5	3268.2
4215.0	17.5°	4047.3	3870.8	3694.2	3542.9	3391.6	3265.1	3230.4	3240.0	3249.4	3306.4
4235.6	20°	4051.2	3837.3	3623.4	3435.8	3248.3	3101.0	3091.8	3136.3	3180.7	3279.7
4263.3	22.5°	4056.4	3796.2	3536.0	3310.2	3084.4	2916.6	2934.5	3000.3	3066.1	3179.0
4313.5	25°	4077.1	3755.7	3434.4	3169.9	2905.5	2733.5	2781.9	2857.8	2933.6	3035.2
4392.0	27.5°	4120.2	3728.6	3337.0	3041.6	2746.2	2589.7	2648.5	2721.8	2795.0	2878.5
4493.6	30°	4179.3	3715.9	3252.3	2934.4	2616.5	2485.1	2531.2	2589.3	2647.6	2716.9
4599.6	32.5°	4230.3	3700.2	3169.9	2841.9	2513.9	2407.9	2428.5	2462.9	2497.3	2552.6
4720.4	35°	4267.7	3670.7	3073.9	2751.1	2428.2	2339.9	2331.4	2340.9	2350.4	2392.6
4855.8	37.5°	4290.0	3620.1	2950.2	2644.1	2338.0	2260.8	2229.7	2219.3	2208.8	2239.1
5027.6	40°	4304.0	3550.4	2797.0	2516.5	2236.0	2166.0	2118.3	2094.6	2071.0	2092.8
5252.4	42.5°	4330.5	3478.5	2626.7	2375.6	2124.6	2060.1	2000.0	1968.6	1937.2	1955.0
5548.1	45°	4377.2	3411.7	2446.3	2226.1	2005.9	1940.5	1882.3	1851.7	1821.2	1836.1
5863.3	47.5°	4409.2	3356.5	2303.7	2107.7	1911.7	1827.4	1777.3	1751.7	1726.0	1740.2
6155.6	50°	4388.3	3296.3	2204.3	2029.1	1853.9	1743.0	1684.8	1662.1	1639.5	1661.4
6345.5	52.5°	4259.5	3194.7	2130.1	1977.4	1824.8	1697.3	1615.9	1593.4	1571.1	1604.2
6303.7	55°	3993.4	3026.3	2059.2	1939.8	1820.4	1701.8	1579.3	1543.8	1508.3	1555.3
6009.2	57.5°	3597.9	2788.8	1979.7	1895.4	1811.0	1706.4	1557.3	1505.6	1453.8	1504.3
5461.2	60°	3067.4	2480.5	1893.7	1827.4	1761.1	1692.0	1536.7	1469.6	1402.4	1446.7
4720.2	62.5°	2469.8	2111.5	1753.2	1709.2	1665.2	1656.7	1512.6	1428.7	1344.9	1373.0
3964.1	65°	1946.8	1779.5	1612.3	1591.5	1570.7	1571.7	1461.9	1372.7	1283.4	1294.3
3223.5	67.5°	1507.9	1460.5	1412.9	1424.5	1436.0	1433.1	1371.4	1297.1	1222.9	1219.5
2538.0	70°	1142.2	1155.8	1169.3	1223.1	1276.9	1276.9	1256.6	1203.8	1150.9	1139.2
1940.3	72.5°	881.1	922.0	963.0	1039.4	1115.6	1128.5	1128.7	1092.5	1056.3	1039.0
1408.3	75°	684.1	721.3	758.4	843.9	929.4	988.5	983.6	955.7	927.7	911.3
954.3	77.5°	526.7	551.9	577.3	660.3	743.4	840.8	838.2	815.8	793.5	776.7
614.8	80°	394.9	405.4	415.8	486.2	556.4	672.8	672.4	653.7	634.8	620.8
378.2	82.5°	282.2	284.0	286.1	337.9	389.7	489.0	494.5	485.4	476.2	466.3
202.2	85°	170.6	169.7	168.7	206.6	244.5	318.4	325.6	315.8	306.0	294.9
83.8	87.5°	74.8	73.9	73.0	88.4	104.0	134.7	143.8	139.9	136.0	133.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3276.8	2.5°	3257.1	3237.4	3217.5	3197.7	3182.4	3167.0	3154.6	3142.2	3132.5	3122.8
3168.0	5°	3133.0	3098.0	3066.2	3034.3	3009.8	2985.2	2968.1	2951.0	2938.8	2926.7
3101.0	7.5°	3056.9	3012.7	2973.7	2934.9	2905.7	2876.7	2856.3	2835.9	2821.9	2808.1
3099.3	10°	3051.8	3004.2	2960.4	2916.6	2881.8	2846.9	2824.2	2801.1	2787.9	2774.7
3165.4	12.5°	3128.0	3090.9	3045.5	3000.3	2955.8	2911.4	2881.9	2852.5	2837.7	2823.1
3272.9	15°	3263.2	3253.6	3214.2	3174.8	3111.6	3048.3	3003.6	2958.8	2938.3	2917.9
3363.4	17.5°	3393.7	3423.9	3392.2	3360.5	3276.7	3192.9	3127.0	3061.1	3030.8	3000.3
3378.8	20°	3442.3	3505.7	3491.0	3476.2	3380.4	3284.7	3203.9	3123.2	3084.4	3045.4
3292.3	22.5°	3374.8	3457.3	3466.2	3474.9	3383.4	3291.9	3208.7	3125.4	3084.5	3043.4
3136.9	25°	3218.1	3299.3	3329.7	3359.9	3284.8	3209.9	3135.9	3062.1	3026.6	2991.1
2962.0	27.5°	3027.1	3092.2	3125.9	3159.8	3106.3	3053.0	2995.6	2938.2	2914.4	2890.4
2786.2	30°	2840.2	2894.4	2921.8	2949.3	2908.6	2867.8	2826.8	2785.4	2773.3	2761.0
2608.0	32.5°	2659.8	2711.7	2742.2	2772.8	2735.4	2697.8	2665.0	2632.2	2624.2	2616.2
2434.7	35°	2486.0	2537.4	2574.0	2610.6	2583.9	2557.4	2527.1	2496.9	2484.7	2472.7
2269.3	37.5°	2320.5	2371.7	2417.0	2462.2	2449.9	2437.6	2409.8	2381.8	2359.7	2337.7
2114.6	40°	2164.1	2213.5	2265.5	2317.7	2320.7	2323.6	2299.9	2276.3	2244.1	2212.2
1972.9	42.5°	2019.7	2066.7	2122.9	2179.1	2194.1	2209.2	2189.2	2169.3	2129.4	2089.5
1851.3	45°	1895.8	1940.2	1998.5	2056.9	2078.4	2100.0	2082.0	2064.0	2018.4	1972.9
1754.1	47.5°	1797.7	1841.1	1898.6	1956.2	1981.0	2005.9	1993.3	1980.7	1940.2	1899.7
1683.5	50°	1724.6	1765.5	1817.0	1868.6	1900.5	1932.4	1931.6	1931.1	1898.6	1866.2
1637.1	52.5°	1674.8	1712.3	1760.3	1808.4	1846.2	1884.0	1890.8	1897.6	1871.2	1844.8
1602.1	55°	1642.6	1683.1	1725.2	1767.2	1807.2	1847.4	1856.8	1866.2	1843.2	1820.2
1554.7	57.5°	1602.3	1649.9	1691.5	1733.2	1773.6	1813.9	1823.4	1833.0	1809.7	1786.4
1490.9	60°	1545.6	1600.2	1642.5	1684.8	1725.4	1765.9	1776.4	1786.8	1764.1	1741.5
1401.1	62.5°	1464.8	1528.6	1573.7	1618.8	1655.9	1693.1	1703.1	1713.2	1692.7	1672.2
1305.0	65°	1373.2	1441.6	1484.8	1527.9	1560.6	1593.3	1603.6	1613.8	1594.1	1574.3
1216.1	67.5°	1279.1	1342.2	1383.2	1424.0	1452.2	1480.5	1490.5	1500.5	1482.3	1464.2
1127.4	70°	1182.9	1238.3	1273.6	1308.9	1334.4	1359.9	1369.6	1379.3	1364.5	1349.7
1021.9	72.5°	1065.6	1109.1	1141.0	1172.9	1197.9	1222.9	1234.4	1245.9	1233.6	1221.3
894.7	75°	927.1	959.5	988.4	1017.3	1040.1	1062.8	1074.8	1086.9	1080.9	1074.8
760.0	77.5°	786.4	812.7	837.5	862.4	886.3	910.1	921.3	932.6	924.2	915.6
606.7	80°	628.7	650.5	671.5	692.4	710.5	728.6	743.5	758.4	754.7	751.2
456.4	82.5°	454.5	452.7	445.4	438.0	476.8	515.5	540.8	566.2	564.6	562.9
283.7	85°	274.3	264.8	244.5	224.3	260.5	296.8	328.2	359.6	357.0	354.4
131.8	87.5°	131.4	131.0	115.6	100.0	115.2	130.5	143.2	155.9	152.7	149.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3113.9	2.5°	3104.9	3093.8	3104.9	3113.9	3122.8	3132.5	3142.2	3154.6	3167.0	3182.4
2917.4	5°	2908.1	2898.9	2908.1	2917.4	2926.7	2938.8	2951.0	2968.1	2985.2	3009.8
2799.7	7.5°	2791.5	2785.2	2791.5	2799.7	2808.1	2821.9	2835.9	2856.3	2876.7	2905.7
2767.7	10°	2760.6	2757.7	2760.6	2767.7	2774.7	2787.9	2801.1	2824.2	2846.9	2881.8
2817.1	12.5°	2811.1	2810.0	2811.1	2817.1	2823.1	2837.7	2852.5	2881.9	2911.4	2955.8
2910.1	15°	2902.2	2901.6	2902.2	2910.1	2917.9	2938.3	2958.8	3003.6	3048.3	3111.6
2990.3	17.5°	2980.3	2978.7	2980.3	2990.3	3000.3	3030.8	3061.1	3127.0	3192.9	3276.7
3033.0	20°	3020.6	3016.6	3020.6	3033.0	3045.4	3084.4	3123.2	3203.9	3284.7	3380.4
3029.7	22.5°	3016.0	3010.1	3016.0	3029.7	3043.4	3084.5	3125.4	3208.7	3291.9	3383.4
2978.2	25°	2965.4	2957.8	2965.4	2978.2	2991.1	3026.6	3062.1	3135.9	3209.9	3284.8
2884.6	27.5°	2878.7	2876.7	2878.7	2884.6	2890.4	2914.4	2938.2	2995.6	3053.0	3106.3
2761.0	30°	2761.0	2763.0	2761.0	2761.0	2761.0	2773.3	2785.4	2826.8	2867.8	2908.6
2617.3	32.5°	2618.5	2620.4	2618.5	2617.3	2616.2	2624.2	2632.2	2665.0	2697.8	2735.4
2470.1	35°	2467.4	2466.1	2467.4	2470.1	2472.7	2484.7	2496.9	2527.1	2557.4	2583.9
2326.1	37.5°	2314.4	2307.9	2314.4	2326.1	2337.7	2359.7	2381.8	2409.8	2437.6	2449.9
2190.5	40°	2169.0	2156.2	2169.0	2190.5	2212.2	2244.1	2276.3	2299.9	2323.6	2320.7
2058.0	42.5°	2026.5	2005.9	2026.5	2058.0	2089.5	2129.4	2169.3	2189.2	2209.2	2194.1
1935.9	45°	1898.9	1875.1	1898.9	1935.9	1972.9	2018.4	2064.0	2082.0	2100.0	2078.4
1865.4	47.5°	1831.3	1808.4	1831.3	1865.4	1899.7	1940.2	1980.7	1993.3	2005.9	1981.0
1834.6	50°	1802.9	1780.9	1802.9	1834.6	1866.2	1898.6	1931.1	1931.6	1932.4	1900.5
1816.4	52.5°	1788.1	1767.9	1788.1	1816.4	1844.8	1871.2	1897.6	1890.8	1884.0	1846.2
1795.3	55°	1770.5	1752.2	1770.5	1795.3	1820.2	1843.2	1866.2	1856.8	1847.4	1807.2
1761.9	57.5°	1737.1	1718.2	1737.1	1761.9	1786.4	1809.7	1833.0	1823.4	1813.9	1773.6
1716.1	60°	1690.7	1671.1	1690.7	1716.1	1741.5	1764.1	1786.8	1776.4	1765.9	1725.4
1645.5	62.5°	1618.8	1595.3	1618.8	1645.5	1672.2	1692.7	1713.2	1703.1	1693.1	1655.9
1548.5	65°	1522.7	1502.4	1522.7	1548.5	1574.3	1594.1	1613.8	1603.6	1593.3	1560.6
1440.2	67.5°	1416.1	1397.8	1416.1	1440.2	1464.2	1482.3	1500.5	1490.5	1480.5	1452.2
1326.7	70°	1303.7	1282.8	1303.7	1326.7	1349.7	1364.5	1379.3	1369.6	1359.9	1334.4
1199.3	72.5°	1177.5	1157.2	1177.5	1199.3	1221.3	1233.6	1245.9	1234.4	1222.9	1197.9
1056.4	75°	1038.0	1018.6	1038.0	1056.4	1074.8	1080.9	1086.9	1074.8	1062.8	1040.1
897.0	77.5°	878.4	863.0	878.4	897.0	915.6	924.2	932.6	921.3	910.1	886.3
726.2	80°	701.1	672.1	701.1	726.2	751.2	754.7	758.4	743.5	728.6	710.5
541.9	82.5°	520.7	502.1	520.7	541.9	562.9	564.6	566.2	540.8	515.5	476.8
337.9	85°	321.4	304.7	321.4	337.9	354.4	357.0	359.6	328.2	296.8	260.5
141.0	87.5°	132.3	124.2	132.3	141.0	149.3	152.7	155.9	143.2	130.5	115.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3197.7	2.5°	3217.5	3237.4	3257.1	3276.8	3299.3	3322.0	3346.9	3372.0	3403.0	3430.9
3034.3	5°	3066.2	3098.0	3133.0	3168.0	3207.7	3247.4	3294.9	3342.2	3396.5	3451.4
2934.9	7.5°	2973.7	3012.7	3056.9	3101.0	3153.3	3205.6	3268.5	3331.5	3401.7	3476.6
2916.6	10°	2960.4	3004.2	3051.8	3099.3	3151.6	3203.9	3270.3	3336.7	3412.2	3504.6
3000.3	12.5°	3045.5	3090.9	3128.0	3165.4	3200.0	3234.7	3288.9	3343.3	3413.5	3510.6
3174.8	15°	3214.2	3253.6	3263.2	3272.9	3268.2	3263.5	3289.4	3315.4	3371.6	3479.3
3360.5	17.5°	3392.2	3423.9	3393.7	3363.4	3306.4	3249.4	3240.0	3230.4	3265.1	3391.6
3476.2	20°	3491.0	3505.7	3442.3	3378.8	3279.7	3180.7	3136.3	3091.8	3101.0	3248.3
3474.9	22.5°	3466.2	3457.3	3374.8	3292.3	3179.0	3066.1	3000.3	2934.5	2916.6	3084.4
3359.9	25°	3329.7	3299.3	3218.1	3136.9	3035.2	2933.6	2857.8	2781.9	2733.5	2905.5
3159.8	27.5°	3125.9	3092.2	3027.1	2962.0	2878.5	2795.0	2721.8	2648.5	2589.7	2746.2
2949.3	30°	2921.8	2894.4	2840.2	2786.2	2716.9	2647.6	2589.3	2531.2	2485.1	2616.5
2772.8	32.5°	2742.2	2711.7	2659.8	2608.0	2552.6	2497.3	2462.9	2428.5	2407.9	2513.9
2610.6	35°	2574.0	2537.4	2486.0	2434.7	2392.6	2350.4	2340.9	2331.4	2339.9	2428.2
2462.2	37.5°	2417.0	2371.7	2320.5	2269.3	2239.1	2208.8	2219.3	2229.7	2260.8	2338.0
2317.7	40°	2265.5	2213.5	2164.1	2114.6	2092.8	2071.0	2094.6	2118.3	2166.0	2236.0
2179.1	42.5°	2122.9	2066.7	2019.7	1972.9	1955.0	1937.2	1968.6	2000.0	2060.1	2124.6
2056.9	45°	1998.5	1940.2	1895.8	1851.3	1836.1	1821.2	1851.7	1882.3	1940.5	2005.9
1956.2	47.5°	1898.6	1841.1	1797.7	1754.1	1740.2	1726.0	1751.7	1777.3	1827.4	1911.7
1868.6	50°	1817.0	1765.5	1724.6	1683.5	1661.4	1639.5	1662.1	1684.8	1743.0	1853.9
1808.4	52.5°	1760.3	1712.3	1674.8	1637.1	1604.2	1571.1	1593.4	1615.9	1697.3	1824.8
1767.2	55°	1725.2	1683.1	1642.6	1602.1	1555.3	1508.3	1543.8	1579.3	1701.8	1820.4
1733.2	57.5°	1691.5	1649.9	1602.3	1554.7	1504.3	1453.8	1505.6	1557.3	1706.4	1811.0
1684.8	60°	1642.5	1600.2	1545.6	1490.9	1446.7	1402.4	1469.6	1536.7	1692.0	1761.1
1618.8	62.5°	1573.7	1528.6	1464.8	1401.1	1373.0	1344.9	1428.7	1512.6	1656.7	1665.2
1527.9	65°	1484.8	1441.6	1373.2	1305.0	1294.3	1283.4	1372.7	1461.9	1571.7	1570.7
1424.0	67.5°	1383.2	1342.2	1279.1	1216.1	1219.5	1222.9	1297.1	1371.4	1433.1	1436.0
1308.9	70°	1273.6	1238.3	1182.9	1127.4	1139.2	1150.9	1203.8	1256.6	1276.9	1276.9
1172.9	72.5°	1141.0	1109.1	1065.6	1021.9	1039.0	1056.3	1092.5	1128.7	1128.5	1115.6
1017.3	75°	988.4	959.5	927.1	894.7	911.3	927.7	955.7	983.6	988.5	929.4
862.4	77.5°	837.5	812.7	786.4	760.0	776.7	793.5	815.8	838.2	840.8	743.4
692.4	80°	671.5	650.5	628.7	606.7	620.8	634.8	653.7	672.4	672.8	556.4
438.0	82.5°	445.4	452.7	454.5	456.4	466.3	476.2	485.4	494.5	489.0	389.7
224.3	85°	244.5	264.8	274.3	283.7	294.9	306.0	315.8	325.6	318.4	244.5
100.0	87.5°	115.6	131.0	131.4	131.8	133.9	136.0	139.9	143.8	134.7	104.0
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°
3407.6	0°	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6	3407.6
3459.6	2.5°	3488.4	3518.5	3548.6	3578.4	3608.3	3636.4	3664.5
3509.6	5°	3567.8	3630.0	3692.4	3754.2	3816.2	3878.3	3940.4
3557.8	7.5°	3639.0	3731.2	3823.4	3918.1	4012.8	4115.1	4217.7
3600.9	10°	3696.8	3808.9	3920.8	4045.8	4171.0	4300.6	4430.1
3619.3	12.5°	3728.0	3860.0	3992.1	4133.8	4275.6	4417.9	4560.2
3605.0	15°	3730.8	3882.9	4035.0	4188.8	4342.5	4490.9	4639.4
3542.9	17.5°	3694.2	3870.8	4047.3	4215.0	4382.8	4533.3	4683.8
3435.8	20°	3623.4	3837.3	4051.2	4235.6	4419.9	4576.5	4732.9
3310.2	22.5°	3536.0	3796.2	4056.4	4263.3	4470.0	4629.9	4789.7
3169.9	25°	3434.4	3755.7	4077.1	4313.5	4549.8	4706.3	4863.0
3041.6	27.5°	3337.0	3728.6	4120.2	4392.0	4663.5	4813.0	4962.3
2934.4	30°	3252.3	3715.9	4179.3	4493.6	4807.8	4952.0	5096.4
2841.9	32.5°	3169.9	3700.2	4230.3	4599.6	4968.9	5111.7	5254.6
2751.1	35°	3073.9	3670.7	4267.7	4720.4	5173.1	5310.0	5446.8
2644.1	37.5°	2950.2	3620.1	4290.0	4855.8	5421.6	5596.0	5770.4
2516.5	40°	2797.0	3550.4	4304.0	5027.6	5751.1	6005.3	6259.5
2375.6	42.5°	2626.7	3478.5	4330.5	5252.4	6174.2	6541.1	6908.0
2226.1	45°	2446.3	3411.7	4377.2	5548.1	6719.1	7214.0	7708.9
2107.7	47.5°	2303.7	3356.5	4409.2	5863.3	7317.3	8014.0	8710.6
2029.1	50°	2204.3	3296.3	4388.3	6155.6	7923.0	8973.3	10023.4
1977.4	52.5°	2130.1	3194.7	4259.5	6345.5	8431.4	9980.9	11530.4
1939.8	55°	2059.2	3026.3	3993.4	6303.7	8613.8	10874.2	13134.8
1895.4	57.5°	1979.7	2788.8	3597.9	6009.2	8420.7	11507.4	14594.1
1827.4	60°	1893.7	2480.5	3067.4	5461.2	7855.0	11665.6	15476.1
1709.2	62.5°	1753.2	2111.5	2469.8	4720.2	6970.5	10999.4	15028.2
1591.5	65°	1612.3	1779.5	1946.8	3964.1	5981.6	10056.7	14131.9
1424.5	67.5°	1412.9	1460.5	1507.9	3223.5	4939.1	8934.9	12930.8
1223.1	70°	1169.3	1155.8	1142.2	2538.0	3933.9	7710.9	11487.9
1039.4	72.5°	963.0	922.0	881.1	1940.3	2999.6	6384.0	9768.4
843.9	75°	758.4	721.3	684.1	1408.3	2132.4	4862.8	7593.2
660.3	77.5°	577.3	551.9	526.7	954.3	1381.9	3403.5	5425.2
486.2	80°	415.8	405.4	394.9	614.8	834.9	2192.8	3550.8
337.9	82.5°	286.1	284.0	282.2	378.2	474.4	1269.2	2064.0
206.6	85°	168.7	169.7	170.6	202.2	233.8	570.9	908.1
88.4	87.5°	73.0	73.9	74.8	83.8	92.8	187.0	281.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)