

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: P949103

Luminaire Tested: **GALN-SB3D-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949103
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-SB3D-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21163 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

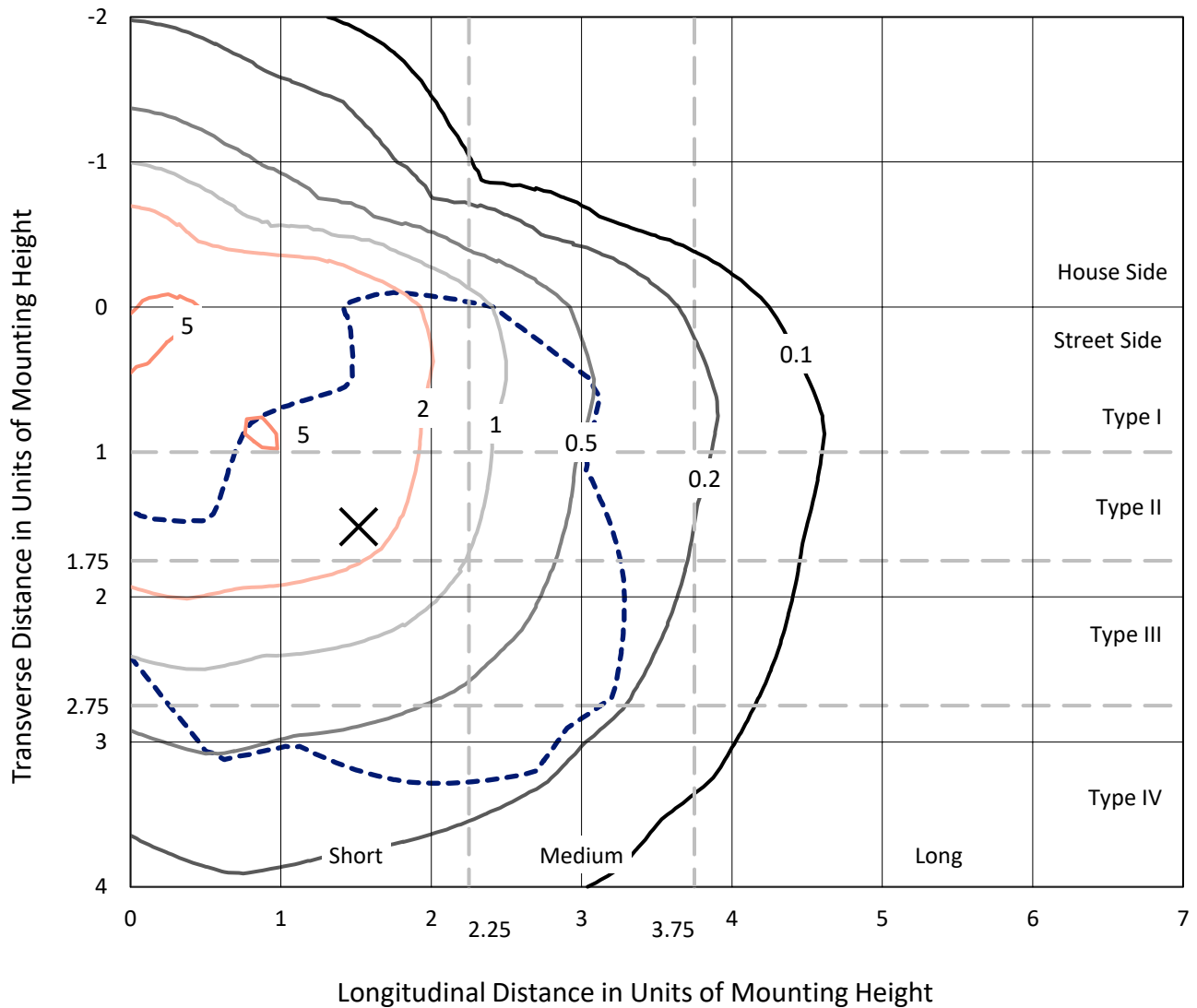
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

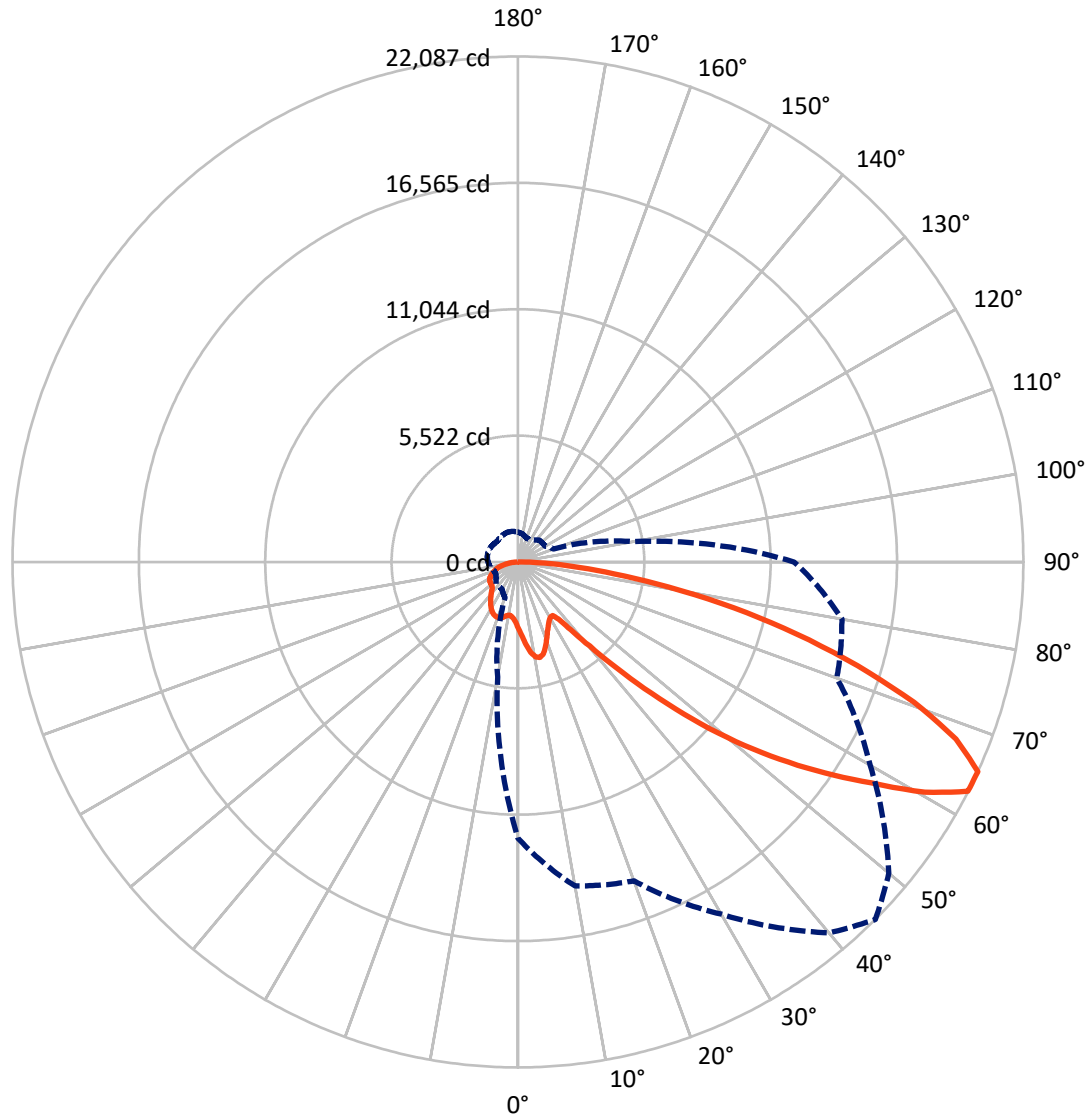
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	5378.6	0.0	5378.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15784.4	0.0	15784.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	21163.0	0.0	21163.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	1.4
10°-20°	906.2	4.3
20°-30°	1399.8	6.6
30°-40°	1773.9	8.4
40°-50°	2675.5	12.6
50°-60°	4322.7	20.4
60°-70°	5388.9	25.5
70°-80°	3533.8	16.7
80°-90°	873.6	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°	21163.0	100.0
0°-180°	21163.0	100.0



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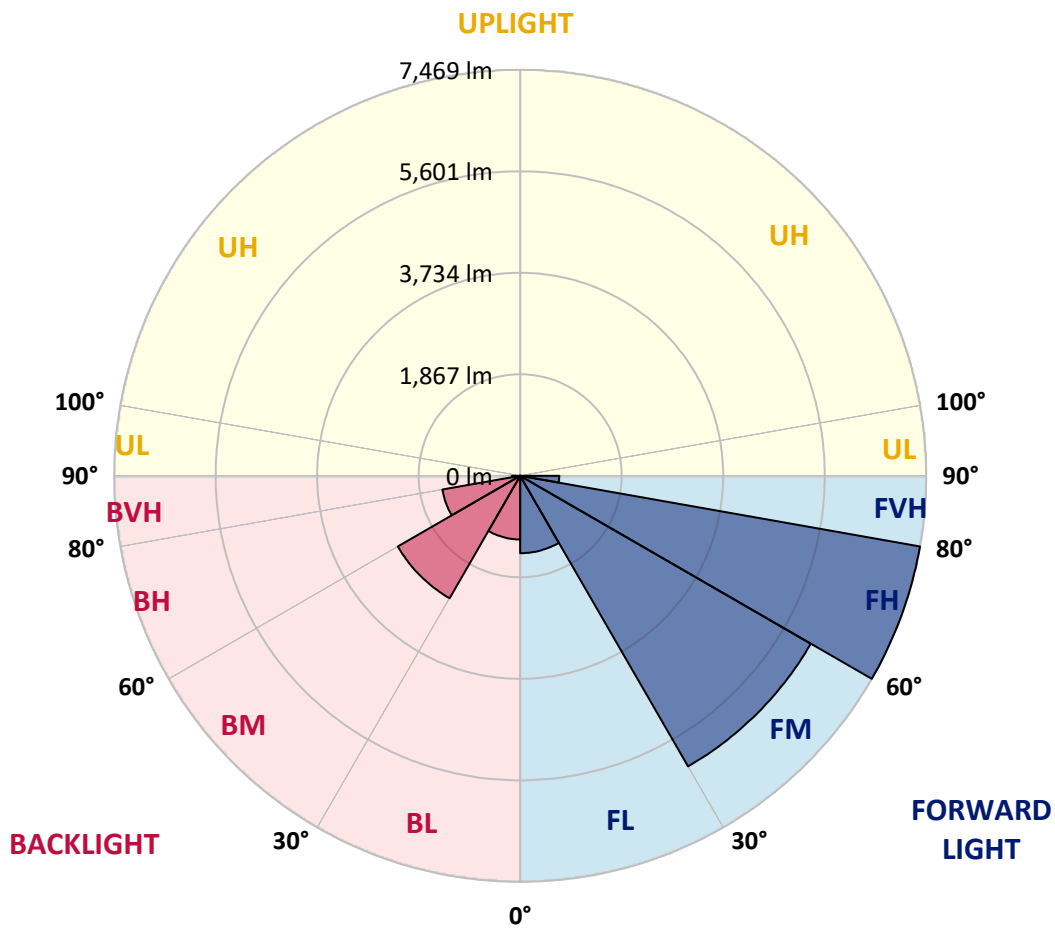
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1423.5	6.7			
FM (30°-60°)	6172.8	29.2			
FH (60°-80°)	7468.5	35.3			G3/7500
FVH (80°-90°)	719.7	3.4			G4/750
BL (0°-30°)	1171.2	5.5	B3/2500		
BM (30°-60°)	2599.3	12.3	B3/5000		
BH (60°-80°)	1454.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	154.0	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	3129.5	3141.4	3153.3	3170.2	3187.0	3197.1	3207.1	3212.2	3217.2	3215.0
5°	3365.1	3406.6	3448.1	3489.2	3530.4	3552.7	3575.1	3588.6	3602.2	3612.5
7.5°	3601.9	3669.3	3736.7	3797.3	3857.9	3894.5	3931.0	3950.7	3970.4	3979.9
10°	3783.3	3863.1	3942.8	4013.9	4085.1	4128.2	4171.1	4190.3	4209.4	4216.6
12.5°	3894.5	3980.9	4067.2	4131.5	4195.6	4226.9	4258.2	4268.7	4279.2	4280.3
15°	3962.0	4036.6	4111.1	4151.4	4191.8	4192.9	4194.1	4182.9	4171.7	4158.6
17.5°	4000.0	4050.3	4100.7	4101.5	4102.2	4056.9	4011.7	3970.3	3928.7	3899.5
20°	4041.9	4059.4	4077.0	4024.0	3971.0	3871.1	3771.3	3698.6	3625.9	3581.2
22.5°	4090.4	4067.4	4044.4	3934.5	3824.7	3677.8	3531.0	3440.1	3349.2	3299.8
25°	4153.0	4080.4	4007.8	3841.0	3674.1	3495.8	3317.5	3221.9	3126.5	3079.8
27.5°	4237.8	4108.1	3978.2	3757.2	3536.3	3338.7	3141.0	3047.0	2953.1	2909.0
30°	4352.3	4158.8	3965.4	3693.3	3421.3	3215.4	3009.5	2922.3	2835.1	2794.0
32.5°	4487.4	4222.4	3957.6	3649.8	3342.0	3148.5	2955.0	2886.5	2818.0	2788.4
35°	4651.6	4327.3	4003.1	3682.4	3361.8	3227.3	3093.0	3077.0	3061.1	3058.6
37.5°	4928.0	4546.5	4165.0	3873.6	3582.1	3573.4	3564.7	3637.7	3710.8	3748.7
40°	5345.6	4930.7	4515.9	4299.1	4082.4	4235.4	4388.4	4565.9	4743.5	4831.9
42.5°	5899.5	5487.9	5076.3	4951.4	4826.6	5160.2	5493.9	5816.8	6139.8	6329.4
45°	6583.4	6213.7	5843.9	5788.8	5733.6	6268.2	6802.9	7333.5	7864.3	8186.5
47.5°	7438.8	7079.1	6719.3	6708.2	6697.0	7468.2	8239.2	9016.0	9792.8	10249.0
50°	8560.0	8115.7	7671.4	7673.3	7675.2	8669.1	9662.9	10688.4	11713.9	12333.8
52.5°	9847.0	9309.0	8771.0	8716.7	8662.2	9849.3	11036.5	12305.3	13573.9	14317.1
55°	11217.2	10685.6	10154.1	9942.0	9729.9	11051.2	12372.4	13884.9	15397.5	16281.3
57.5°	12463.4	12173.9	11884.4	11459.0	11033.8	12367.9	13702.0	15415.2	17128.4	18224.4
60°	13216.6	13666.2	14115.9	13587.7	13059.5	14322.0	15584.5	17418.8	19253.1	20437.7
62.5°	12834.1	14062.6	15291.1	15231.5	15171.9	16328.5	17485.1	19230.3	20975.4	22070.3
65°	12068.6	13221.6	14374.6	14602.7	14830.8	16300.6	17770.5	19462.7	21154.8	22087.0
67.5°	11042.9	12139.5	13236.1	13343.1	13450.0	14981.4	16512.7	18212.2	19911.7	20642.0
70°	9810.7	11003.4	12196.3	12244.1	12292.0	13661.5	15030.9	16493.4	17955.8	18361.7
72.5°	8342.2	9711.0	11079.8	11114.2	11148.5	12219.9	13291.4	14386.8	15482.0	15523.1
75°	6484.6	7901.3	9317.9	9445.1	9572.3	10405.9	11239.5	12010.6	12781.6	12575.0
77.5°	4633.1	5955.5	7278.0	7460.0	7642.1	8275.8	8909.5	9456.4	10003.3	9648.2
80°	3032.4	4144.9	5257.4	5483.6	5709.9	6188.5	6666.9	6954.1	7241.2	6670.0
82.5°	1762.7	2523.3	3284.0	3536.7	3789.5	4118.9	4448.3	4568.2	4687.9	4239.0
85°	775.5	1179.2	1582.9	1797.9	2012.8	2283.5	2554.1	2622.1	2690.1	2330.5
87.5°	240.1	375.8	511.4	631.4	751.3	886.7	1022.0	1027.8	1033.5	867.7
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°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
3217.2	2.5°	3212.2	3207.1	3197.1	3187.0	3170.2	3153.3	3141.4	3129.5	3105.5	3081.5
3602.2	5°	3588.6	3575.1	3552.7	3530.4	3489.2	3448.1	3406.6	3365.1	3312.1	3259.1
3970.4	7.5°	3950.7	3931.0	3894.5	3857.9	3797.3	3736.7	3669.3	3601.9	3514.3	3426.9
4209.4	10°	4190.3	4171.1	4128.2	4085.1	4013.9	3942.8	3863.1	3783.3	3672.7	3562.0
4279.2	12.5°	4268.7	4258.2	4226.9	4195.6	4131.5	4067.2	3980.9	3894.5	3772.8	3651.4
4171.7	15°	4182.9	4194.1	4192.9	4191.8	4151.4	4111.1	4036.6	3962.0	3835.3	3708.5
3928.7	17.5°	3970.3	4011.7	4056.9	4102.2	4101.5	4100.7	4050.3	4000.0	3871.5	3742.9
3625.9	20°	3698.6	3771.3	3871.1	3971.0	4024.0	4077.0	4059.4	4041.9	3908.3	3774.6
3349.2	22.5°	3440.1	3531.0	3677.8	3824.7	3934.5	4044.4	4067.4	4090.4	3954.0	3817.4
3126.5	25°	3221.9	3317.5	3495.8	3674.1	3841.0	4007.8	4080.4	4153.0	4019.2	3885.5
2953.1	27.5°	3047.0	3141.0	3338.7	3536.3	3757.2	3978.2	4108.1	4237.8	4110.3	3982.7
2835.1	30°	2922.3	3009.5	3215.4	3421.3	3693.3	3965.4	4158.8	4352.3	4229.0	4105.8
2818.0	32.5°	2886.5	2955.0	3148.5	3342.0	3649.8	3957.6	4222.4	4487.4	4365.4	4243.4
3061.1	35°	3077.0	3093.0	3227.3	3361.8	3682.4	4003.1	4327.3	4651.6	4534.8	4417.8
3710.8	37.5°	3637.7	3564.7	3573.4	3582.1	3873.6	4165.0	4546.5	4928.0	4779.0	4630.0
4743.5	40°	4565.9	4388.4	4235.4	4082.4	4299.1	4515.9	4930.7	5345.6	5128.5	4911.4
6139.8	42.5°	5816.8	5493.9	5160.2	4826.6	4951.4	5076.3	5487.9	5899.5	5586.1	5272.8
7864.3	45°	7333.5	6802.9	6268.2	5733.6	5788.8	5843.9	6213.7	6583.4	6160.8	5738.1
9792.8	47.5°	9016.0	8239.2	7468.2	6697.0	6708.2	6719.3	7079.1	7438.8	6844.0	6249.0
11713.9	50°	10688.4	9662.9	8669.1	7675.2	7673.3	7671.4	8115.7	8560.0	7663.2	6766.2
13573.9	52.5°	12305.3	11036.5	9849.3	8662.2	8716.7	8771.0	9309.0	9847.0	8523.7	7200.4
15397.5	55°	13884.9	12372.4	11051.2	9729.9	9942.0	10154.1	10685.6	11217.2	9286.6	7356.2
17128.4	57.5°	15415.2	13702.0	12367.9	11033.8	11459.0	11884.4	12173.9	12463.4	9827.3	7191.3
19253.1	60°	17418.8	15584.5	14322.0	13059.5	13587.7	14115.9	13666.2	13216.6	9962.4	6708.2
20975.4	62.5°	19230.3	17485.1	16328.5	15171.9	15231.5	15291.1	14062.6	12834.1	9393.5	5952.9
21154.8	65°	19462.7	17770.5	16300.6	14830.8	14602.7	14374.6	13221.6	12068.6	8588.5	5108.3
19911.7	67.5°	18212.2	16512.7	14981.4	13450.0	13343.1	13236.1	12139.5	11042.9	7630.5	4218.0
17955.8	70°	16493.4	15030.9	13661.5	12292.0	12244.1	12196.3	11003.4	9810.7	6585.1	3359.6
15482.0	72.5°	14386.8	13291.4	12219.9	11148.5	11114.2	11079.8	9711.0	8342.2	5451.9	2561.7
12781.6	75°	12010.6	11239.5	10405.9	9572.3	9445.1	9317.9	7901.3	6484.6	4152.9	1821.1
10003.3	77.5°	9456.4	8909.5	8275.8	7642.1	7460.0	7278.0	5955.5	4633.1	2906.6	1180.1
7241.2	80°	6954.1	6666.9	6188.5	5709.9	5483.6	5257.4	4144.9	3032.4	1872.7	713.0
4687.9	82.5°	4568.2	4448.3	4118.9	3789.5	3536.7	3284.0	2523.3	1762.7	1083.9	405.1
2690.1	85°	2622.1	2554.1	2283.5	2012.8	1797.9	1582.9	1179.2	775.5	487.5	199.7
1033.5	87.5°	1027.8	1022.0	886.7	751.3	631.4	511.4	375.8	240.1	159.7	79.3
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
3055.9	2.5°	3030.5	3004.8	2979.1	2954.5	2930.0	2906.2	2879.7	2858.3	2837.0	2817.6
3206.1	5°	3153.3	3100.0	3046.9	2997.2	2947.5	2900.6	2854.3	2813.8	2773.3	2739.4
3346.1	7.5°	3265.2	3186.5	3107.7	3038.4	2969.1	2905.1	2845.1	2791.3	2737.6	2692.9
3455.2	10°	3348.4	3252.8	3157.1	3075.1	2993.0	2914.0	2849.6	2792.8	2736.1	2691.4
3530.3	12.5°	3409.3	3296.5	3183.7	3090.9	2998.1	2915.1	2855.2	2808.7	2762.5	2732.8
3577.2	15°	3445.9	3316.0	3186.1	3078.7	2971.3	2879.4	2831.4	2809.1	2787.0	2791.1
3599.7	17.5°	3456.4	3305.6	3154.9	3025.7	2896.5	2788.4	2758.8	2766.9	2775.0	2823.7
3617.2	20°	3459.7	3277.0	3094.3	2934.2	2774.1	2648.2	2640.4	2678.4	2716.3	2800.9
3640.9	22.5°	3464.2	3242.0	3019.8	2826.9	2634.0	2490.8	2506.1	2562.2	2618.4	2714.9
3683.7	25°	3481.8	3207.4	2933.0	2707.1	2481.3	2334.4	2375.8	2440.5	2505.3	2592.1
3750.7	27.5°	3518.7	3184.2	2849.8	2597.5	2345.3	2211.6	2261.9	2324.4	2386.9	2458.3
3837.5	30°	3569.2	3173.4	2777.4	2506.0	2234.5	2122.3	2161.7	2211.3	2261.1	2320.3
3928.1	32.5°	3612.7	3160.0	2707.1	2427.0	2146.8	2056.4	2073.9	2103.3	2132.7	2179.9
4031.3	35°	3644.7	3134.8	2625.1	2349.4	2073.7	1998.3	1991.1	1999.1	2007.3	2043.3
4146.8	37.5°	3663.6	3091.6	2519.5	2258.1	1996.6	1930.8	1904.2	1895.2	1886.3	1912.2
4293.6	40°	3675.6	3032.0	2388.6	2149.1	1909.5	1849.8	1809.0	1788.8	1768.6	1787.3
4485.5	42.5°	3698.3	2970.6	2243.2	2028.8	1814.4	1759.3	1708.0	1681.2	1654.4	1669.6
4738.1	45°	3738.1	2913.6	2089.1	1901.1	1713.0	1657.2	1607.5	1581.3	1555.3	1568.1
5007.2	47.5°	3765.5	2866.4	1967.4	1800.0	1632.6	1560.6	1517.8	1495.9	1474.0	1486.1
5256.9	50°	3747.6	2815.1	1882.5	1732.9	1583.2	1488.5	1438.9	1419.4	1400.1	1418.9
5419.1	52.5°	3637.6	2728.3	1819.1	1688.7	1558.3	1449.5	1380.0	1360.8	1341.7	1370.0
5383.3	55°	3410.4	2584.5	1758.6	1656.6	1554.7	1453.4	1348.7	1318.4	1288.1	1328.2
5131.9	57.5°	3072.6	2381.7	1690.7	1618.6	1546.6	1457.3	1330.0	1285.8	1241.5	1284.6
4663.9	60°	2619.5	2118.4	1617.2	1560.6	1504.0	1445.0	1312.3	1255.0	1197.7	1235.5
4031.0	62.5°	2109.2	1803.2	1497.3	1459.6	1422.1	1414.8	1291.8	1220.1	1148.5	1172.5
3385.4	65°	1662.5	1519.7	1376.9	1359.1	1341.4	1342.3	1248.5	1172.3	1096.0	1105.3
2752.9	67.5°	1287.8	1247.2	1206.6	1216.5	1226.3	1223.9	1171.2	1107.8	1044.3	1041.4
2167.5	70°	975.4	987.0	998.5	1044.6	1090.4	1090.4	1073.1	1028.0	982.9	972.9
1657.1	72.5°	752.4	787.4	822.4	887.7	952.8	963.7	963.9	933.0	902.1	887.3
1202.7	75°	584.3	616.0	647.7	720.7	793.7	844.2	840.0	816.2	792.3	778.2
815.0	77.5°	449.8	471.4	493.0	563.9	634.8	718.0	715.8	696.7	677.6	663.3
525.1	80°	337.2	346.2	355.1	415.2	475.2	574.5	574.2	558.2	542.2	530.2
322.9	82.5°	241.0	242.5	244.3	288.6	332.8	417.6	422.3	414.5	406.7	398.2
172.6	85°	145.7	144.9	144.1	176.4	208.8	271.9	278.1	269.7	261.3	251.8
71.6	87.5°	63.9	63.1	62.3	75.5	88.8	115.0	122.8	119.5	116.1	114.3
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°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2798.4	2.5°	2781.6	2764.7	2747.7	2730.9	2717.8	2704.6	2694.0	2683.4	2675.1	2666.9
2705.5	5°	2675.6	2645.7	2618.5	2591.3	2570.4	2549.4	2534.8	2520.1	2509.8	2499.4
2648.2	7.5°	2610.6	2572.9	2539.6	2506.4	2481.5	2456.7	2439.3	2421.9	2409.9	2398.1
2646.8	10°	2606.2	2565.6	2528.2	2490.8	2461.1	2431.3	2411.8	2392.2	2380.9	2369.6
2703.3	12.5°	2671.3	2639.6	2600.9	2562.2	2524.3	2486.3	2461.2	2436.1	2423.4	2410.9
2795.1	15°	2786.8	2778.5	2744.9	2711.3	2657.3	2603.2	2565.0	2526.8	2509.3	2491.9
2872.4	17.5°	2898.3	2924.1	2896.9	2869.9	2798.3	2726.7	2670.5	2614.2	2588.3	2562.2
2885.5	20°	2939.7	2993.8	2981.3	2968.7	2886.9	2805.1	2736.1	2667.2	2634.0	2600.8
2811.6	22.5°	2882.1	2952.5	2960.1	2967.6	2889.4	2811.3	2740.2	2669.1	2634.2	2599.1
2678.9	25°	2748.3	2817.6	2843.5	2869.3	2805.2	2741.3	2678.0	2615.1	2584.7	2554.4
2529.5	27.5°	2585.1	2640.7	2669.6	2698.5	2652.8	2607.2	2558.2	2509.2	2488.9	2468.4
2379.4	30°	2425.6	2471.8	2495.2	2518.7	2484.0	2449.1	2414.1	2378.8	2368.4	2357.9
2227.2	32.5°	2271.5	2315.8	2341.8	2367.9	2336.0	2304.0	2275.9	2247.9	2241.1	2234.3
2079.3	35°	2123.1	2166.9	2198.2	2229.5	2206.7	2184.0	2158.1	2132.3	2121.9	2111.7
1938.0	37.5°	1981.7	2025.5	2064.1	2102.7	2092.2	2081.7	2057.9	2034.1	2015.2	1996.4
1805.9	40°	1848.1	1890.3	1934.8	1979.3	1981.9	1984.4	1964.1	1943.9	1916.5	1889.2
1684.9	42.5°	1724.8	1764.9	1812.9	1861.0	1873.8	1886.6	1869.6	1852.6	1818.5	1784.5
1581.0	45°	1619.0	1656.9	1706.7	1756.6	1775.0	1793.4	1778.0	1762.7	1723.7	1684.9
1498.0	47.5°	1535.2	1572.3	1621.4	1670.6	1691.8	1713.0	1702.3	1691.6	1656.9	1622.3
1437.7	50°	1472.8	1507.8	1551.8	1595.8	1623.0	1650.2	1649.6	1649.1	1621.4	1593.7
1398.1	52.5°	1430.3	1462.3	1503.3	1544.4	1576.7	1608.9	1614.7	1620.5	1598.0	1575.4
1368.2	55°	1402.8	1437.4	1473.4	1509.2	1543.4	1577.7	1585.7	1593.7	1574.1	1554.4
1327.7	57.5°	1368.4	1409.0	1444.6	1480.2	1514.7	1549.1	1557.2	1565.4	1545.5	1525.6
1273.3	60°	1319.9	1366.6	1402.7	1438.9	1473.5	1508.1	1517.0	1526.0	1506.5	1487.2
1196.5	62.5°	1250.9	1305.4	1343.9	1382.5	1414.2	1445.9	1454.5	1463.1	1445.6	1428.0
1114.5	65°	1172.7	1231.2	1268.0	1304.9	1332.8	1360.7	1369.5	1378.2	1361.4	1344.5
1038.5	67.5°	1092.3	1146.3	1181.2	1216.1	1240.2	1264.3	1272.9	1281.4	1265.9	1250.5
962.8	70°	1010.2	1057.5	1087.7	1117.8	1139.6	1161.4	1169.6	1177.9	1165.3	1152.6
872.7	72.5°	910.0	947.2	974.4	1001.7	1023.0	1044.3	1054.2	1064.0	1053.5	1043.0
764.0	75°	791.7	819.4	844.1	868.8	888.2	907.6	917.9	928.2	923.1	917.9
649.0	77.5°	671.6	694.0	715.2	736.5	756.9	777.2	786.8	796.4	789.3	781.9
518.1	80°	536.9	555.6	573.4	591.3	606.8	622.2	635.0	647.7	644.6	641.5
389.7	82.5°	388.2	386.6	380.3	374.1	407.1	440.2	461.9	483.5	482.2	480.7
242.3	85°	234.3	226.1	208.8	191.5	222.4	253.5	280.3	307.1	304.9	302.6
112.6	87.5°	112.2	111.9	98.7	85.4	98.4	111.4	122.3	133.1	130.4	127.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2659.3	2.5°	2651.6	2642.1	2651.6	2659.3	2666.9	2675.1	2683.4	2694.0	2704.6	2717.8
2491.4	5°	2483.5	2475.7	2483.5	2491.4	2499.4	2509.8	2520.1	2534.8	2549.4	2570.4
2390.9	7.5°	2383.9	2378.6	2383.9	2390.9	2398.1	2409.9	2421.9	2439.3	2456.7	2481.5
2363.6	10°	2357.6	2355.1	2357.6	2363.6	2369.6	2380.9	2392.2	2411.8	2431.3	2461.1
2405.8	12.5°	2400.7	2399.8	2400.7	2405.8	2410.9	2423.4	2436.1	2461.2	2486.3	2524.3
2485.2	15°	2478.5	2477.9	2478.5	2485.2	2491.9	2509.3	2526.8	2565.0	2603.2	2657.3
2553.8	17.5°	2545.2	2543.8	2545.2	2553.8	2562.2	2588.3	2614.2	2670.5	2726.7	2798.3
2590.2	20°	2579.6	2576.2	2579.6	2590.2	2600.8	2634.0	2667.2	2736.1	2805.1	2886.9
2587.4	22.5°	2575.6	2570.6	2575.6	2587.4	2599.1	2634.2	2669.1	2740.2	2811.3	2889.4
2543.4	25°	2532.4	2526.0	2532.4	2543.4	2554.4	2584.7	2615.1	2678.0	2741.3	2805.2
2463.4	27.5°	2458.4	2456.7	2458.4	2463.4	2468.4	2488.9	2509.2	2558.2	2607.2	2652.8
2357.9	30°	2357.9	2359.6	2357.9	2357.9	2357.9	2368.4	2378.8	2414.1	2449.1	2484.0
2235.2	32.5°	2236.2	2237.8	2236.2	2235.2	2234.3	2241.1	2247.9	2275.9	2304.0	2336.0
2109.4	35°	2107.2	2106.1	2107.2	2109.4	2111.7	2121.9	2132.3	2158.1	2184.0	2206.7
1986.5	37.5°	1976.5	1971.0	1976.5	1986.5	1996.4	2015.2	2034.1	2057.9	2081.7	2092.2
1870.7	40°	1852.4	1841.4	1852.4	1870.7	1889.2	1916.5	1943.9	1964.1	1984.4	1981.9
1757.6	42.5°	1730.6	1713.0	1730.6	1757.6	1784.5	1818.5	1852.6	1869.6	1886.6	1873.8
1653.3	45°	1621.7	1601.3	1621.7	1653.3	1684.9	1723.7	1762.7	1778.0	1793.4	1775.0
1593.1	47.5°	1563.9	1544.4	1563.9	1593.1	1622.3	1656.9	1691.6	1702.3	1713.0	1691.8
1566.7	50°	1539.7	1520.9	1539.7	1566.7	1593.7	1621.4	1649.1	1649.6	1650.2	1623.0
1551.2	52.5°	1527.1	1509.8	1527.1	1551.2	1575.4	1598.0	1620.5	1614.7	1608.9	1576.7
1533.2	55°	1512.0	1496.4	1512.0	1533.2	1554.4	1574.1	1593.7	1585.7	1577.7	1543.4
1504.6	57.5°	1483.5	1467.3	1483.5	1504.6	1525.6	1545.5	1565.4	1557.2	1549.1	1514.7
1465.5	60°	1443.9	1427.1	1443.9	1465.5	1487.2	1506.5	1526.0	1517.0	1508.1	1473.5
1405.2	62.5°	1382.5	1362.4	1382.5	1405.2	1428.0	1445.6	1463.1	1454.5	1445.9	1414.2
1322.4	65°	1300.4	1283.1	1300.4	1322.4	1344.5	1361.4	1378.2	1369.5	1360.7	1332.8
1229.9	67.5°	1209.4	1193.7	1209.4	1229.9	1250.5	1265.9	1281.4	1272.9	1264.3	1240.2
1133.0	70°	1113.3	1095.5	1113.3	1133.0	1152.6	1165.3	1177.9	1169.6	1161.4	1139.6
1024.2	72.5°	1005.6	988.3	1005.6	1024.2	1043.0	1053.5	1064.0	1054.2	1044.3	1023.0
902.2	75°	886.4	869.9	886.4	902.2	917.9	923.1	928.2	917.9	907.6	888.2
766.0	77.5°	750.2	737.0	750.2	766.0	781.9	789.3	796.4	786.8	777.2	756.9
620.2	80°	598.8	574.0	598.8	620.2	641.5	644.6	647.7	635.0	622.2	606.8
462.8	82.5°	444.7	428.8	444.7	462.8	480.7	482.2	483.5	461.9	440.2	407.1
288.6	85°	274.5	260.2	274.5	288.6	302.6	304.9	307.1	280.3	253.5	222.4
120.4	87.5°	113.0	106.1	113.0	120.4	127.5	130.4	133.1	122.3	111.4	98.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2730.9	2.5°	2747.7	2764.7	2781.6	2798.4	2817.6	2837.0	2858.3	2879.7	2906.2	2930.0
2591.3	5°	2618.5	2645.7	2675.6	2705.5	2739.4	2773.3	2813.8	2854.3	2900.6	2947.5
2506.4	7.5°	2539.6	2572.9	2610.6	2648.2	2692.9	2737.6	2791.3	2845.1	2905.1	2969.1
2490.8	10°	2528.2	2565.6	2606.2	2646.8	2691.4	2736.1	2792.8	2849.6	2914.0	2993.0
2562.2	12.5°	2600.9	2639.6	2671.3	2703.3	2732.8	2762.5	2808.7	2855.2	2915.1	2998.1
2711.3	15°	2744.9	2778.5	2786.8	2795.1	2791.1	2787.0	2809.1	2831.4	2879.4	2971.3
2869.9	17.5°	2896.9	2924.1	2898.3	2872.4	2823.7	2775.0	2766.9	2758.8	2788.4	2896.5
2968.7	20°	2981.3	2993.8	2939.7	2885.5	2800.9	2716.3	2678.4	2640.4	2648.2	2774.1
2967.6	22.5°	2960.1	2952.5	2882.1	2811.6	2714.9	2618.4	2562.2	2506.1	2490.8	2634.0
2869.3	25°	2843.5	2817.6	2748.3	2678.9	2592.1	2505.3	2440.5	2375.8	2334.4	2481.3
2698.5	27.5°	2669.6	2640.7	2585.1	2529.5	2458.3	2386.9	2324.4	2261.9	2211.6	2345.3
2518.7	30°	2495.2	2471.8	2425.6	2379.4	2320.3	2261.1	2211.3	2161.7	2122.3	2234.5
2367.9	32.5°	2341.8	2315.8	2271.5	2227.2	2179.9	2132.7	2103.3	2073.9	2056.4	2146.8
2229.5	35°	2198.2	2166.9	2123.1	2079.3	2043.3	2007.3	1999.1	1991.1	1998.3	2073.7
2102.7	37.5°	2064.1	2025.5	1981.7	1938.0	1912.2	1886.3	1895.2	1904.2	1930.8	1996.6
1979.3	40°	1934.8	1890.3	1848.1	1805.9	1787.3	1768.6	1788.8	1809.0	1849.8	1909.5
1861.0	42.5°	1812.9	1764.9	1724.8	1684.9	1669.6	1654.4	1681.2	1708.0	1759.3	1814.4
1756.6	45°	1706.7	1656.9	1619.0	1581.0	1568.1	1555.3	1581.3	1607.5	1657.2	1713.0
1670.6	47.5°	1621.4	1572.3	1535.2	1498.0	1486.1	1474.0	1495.9	1517.8	1560.6	1632.6
1595.8	50°	1551.8	1507.8	1472.8	1437.7	1418.9	1400.1	1419.4	1438.9	1488.5	1583.2
1544.4	52.5°	1503.3	1462.3	1430.3	1398.1	1370.0	1341.7	1360.8	1380.0	1449.5	1558.3
1509.2	55°	1473.4	1437.4	1402.8	1368.2	1328.2	1288.1	1318.4	1348.7	1453.4	1554.7
1480.2	57.5°	1444.6	1409.0	1368.4	1327.7	1284.6	1241.5	1285.8	1330.0	1457.3	1546.6
1438.9	60°	1402.7	1366.6	1319.9	1273.3	1235.5	1197.7	1255.0	1312.3	1445.0	1504.0
1382.5	62.5°	1343.9	1305.4	1250.9	1196.5	1172.5	1148.5	1220.1	1291.8	1414.8	1422.1
1304.9	65°	1268.0	1231.2	1172.7	1114.5	1105.3	1096.0	1172.3	1248.5	1342.3	1341.4
1216.1	67.5°	1181.2	1146.3	1092.3	1038.5	1041.4	1044.3	1107.8	1171.2	1223.9	1226.3
1117.8	70°	1087.7	1057.5	1010.2	962.8	972.9	982.9	1028.0	1073.1	1090.4	1090.4
1001.7	72.5°	974.4	947.2	910.0	872.7	887.3	902.1	933.0	963.9	963.7	952.8
868.8	75°	844.1	819.4	791.7	764.0	778.2	792.3	816.2	840.0	844.2	793.7
736.5	77.5°	715.2	694.0	671.6	649.0	663.3	677.6	696.7	715.8	718.0	634.8
591.3	80°	573.4	555.6	536.9	518.1	530.2	542.2	558.2	574.2	574.5	475.2
374.1	82.5°	380.3	386.6	388.2	389.7	398.2	406.7	414.5	422.3	417.6	332.8
191.5	85°	208.8	226.1	234.3	242.3	251.8	261.3	269.7	278.1	271.9	208.8
85.4	87.5°	98.7	111.9	112.2	112.6	114.3	116.1	119.5	122.8	115.0	88.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
2910.1	0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2954.5	2.5°	2979.1	3004.8	3030.5	3055.9	3081.5	3105.5	3129.5
2997.2	5°	3046.9	3100.0	3153.3	3206.1	3259.1	3312.1	3365.1
3038.4	7.5°	3107.7	3186.5	3265.2	3346.1	3426.9	3514.3	3601.9
3075.1	10°	3157.1	3252.8	3348.4	3455.2	3562.0	3672.7	3783.3
3090.9	12.5°	3183.7	3296.5	3409.3	3530.3	3651.4	3772.8	3894.5
3078.7	15°	3186.1	3316.0	3445.9	3577.2	3708.5	3835.3	3962.0
3025.7	17.5°	3154.9	3305.6	3456.4	3599.7	3742.9	3871.5	4000.0
2934.2	20°	3094.3	3277.0	3459.7	3617.2	3774.6	3908.3	4041.9
2826.9	22.5°	3019.8	3242.0	3464.2	3640.9	3817.4	3954.0	4090.4
2707.1	25°	2933.0	3207.4	3481.8	3683.7	3885.5	4019.2	4153.0
2597.5	27.5°	2849.8	3184.2	3518.7	3750.7	3982.7	4110.3	4237.8
2506.0	30°	2777.4	3173.4	3569.2	3837.5	4105.8	4229.0	4352.3
2427.0	32.5°	2707.1	3160.0	3612.7	3928.1	4243.4	4365.4	4487.4
2349.4	35°	2625.1	3134.8	3644.7	4031.3	4417.8	4534.8	4651.6
2258.1	37.5°	2519.5	3091.6	3663.6	4146.8	4630.0	4779.0	4928.0
2149.1	40°	2388.6	3032.0	3675.6	4293.6	4911.4	5128.5	5345.6
2028.8	42.5°	2243.2	2970.6	3698.3	4485.5	5272.8	5586.1	5899.5
1901.1	45°	2089.1	2913.6	3738.1	4738.1	5738.1	6160.8	6583.4
1800.0	47.5°	1967.4	2866.4	3765.5	5007.2	6249.0	6844.0	7438.8
1732.9	50°	1882.5	2815.1	3747.6	5256.9	6766.2	7663.2	8560.0
1688.7	52.5°	1819.1	2728.3	3637.6	5419.1	7200.4	8523.7	9847.0
1656.6	55°	1758.6	2584.5	3410.4	5383.3	7356.2	9286.6	11217.2
1618.6	57.5°	1690.7	2381.7	3072.6	5131.9	7191.3	9827.3	12463.4
1560.6	60°	1617.2	2118.4	2619.5	4663.9	6708.2	9962.4	13216.6
1459.6	62.5°	1497.3	1803.2	2109.2	4031.0	5952.9	9393.5	12834.1
1359.1	65°	1376.9	1519.7	1662.5	3385.4	5108.3	8588.5	12068.6
1216.5	67.5°	1206.6	1247.2	1287.8	2752.9	4218.0	7630.5	11042.9
1044.6	70°	998.5	987.0	975.4	2167.5	3359.6	6585.1	9810.7
887.7	72.5°	822.4	787.4	752.4	1657.1	2561.7	5451.9	8342.2
720.7	75°	647.7	616.0	584.3	1202.7	1821.1	4152.9	6484.6
563.9	77.5°	493.0	471.4	449.8	815.0	1180.1	2906.6	4633.1
415.2	80°	355.1	346.2	337.2	525.1	713.0	1872.7	3032.4
288.6	82.5°	244.3	242.5	241.0	322.9	405.1	1083.9	1762.7
176.4	85°	144.1	144.9	145.7	172.6	199.7	487.5	775.5
75.5	87.5°	62.3	63.1	63.9	71.6	79.3	159.7	240.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)