

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: P949019

Luminaire Tested: **GALN-SB3D-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949019
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-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18518 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

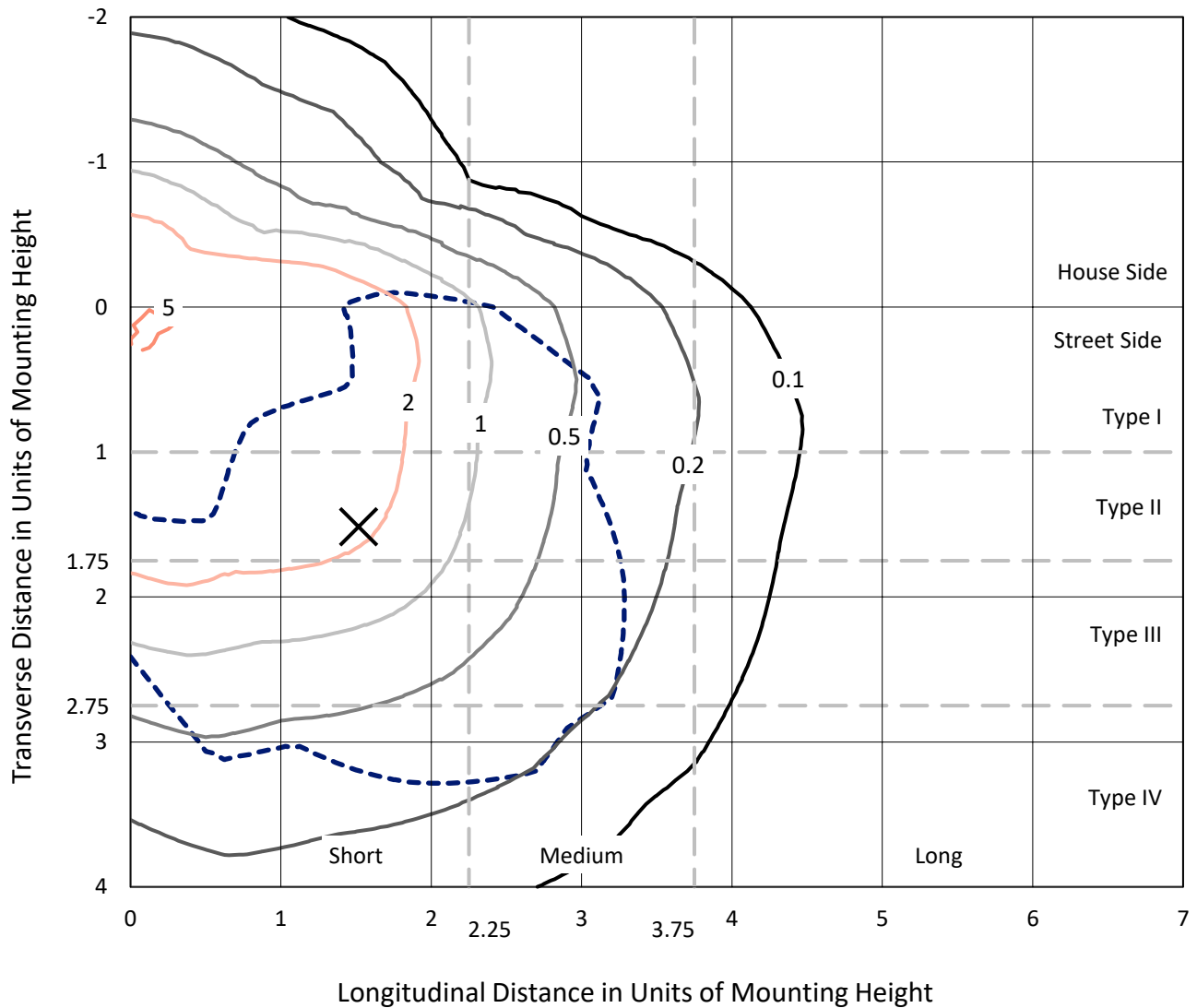
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

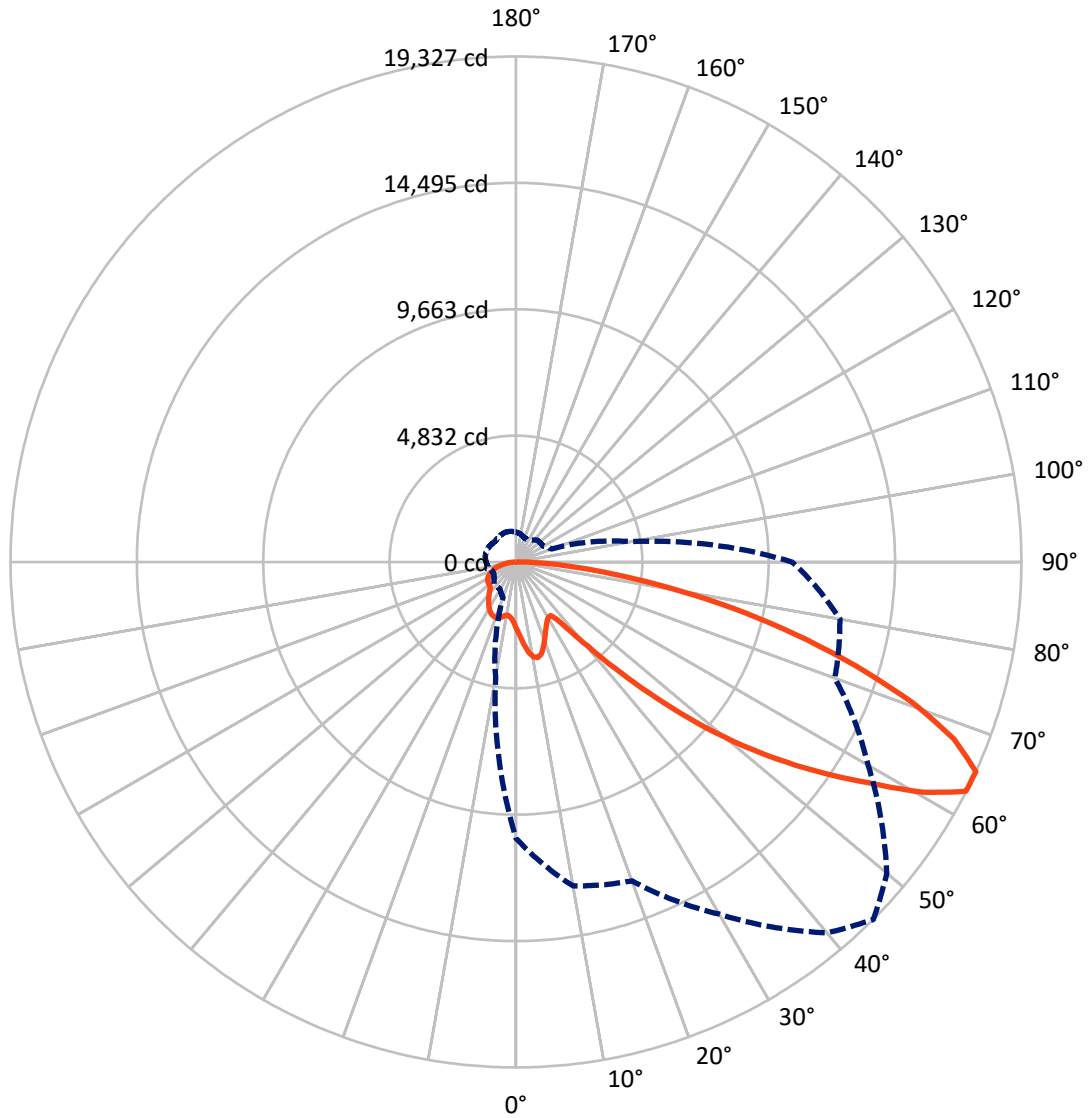
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	4706.3	0.0	4706.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13811.7	0.0	13811.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	18518.0	0.0	18518.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.6	1.4
10°-20°	793.0	4.3
20°-30°	1224.9	6.6
30°-40°	1552.2	8.4
40°-50°	2341.1	12.6
50°-60°	3782.4	20.4
60°-70°	4715.4	25.5
70°-80°	3092.1	16.7
80°-90°	764.4	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°	18518.0	100.0
0°-180°	18518.0	100.0



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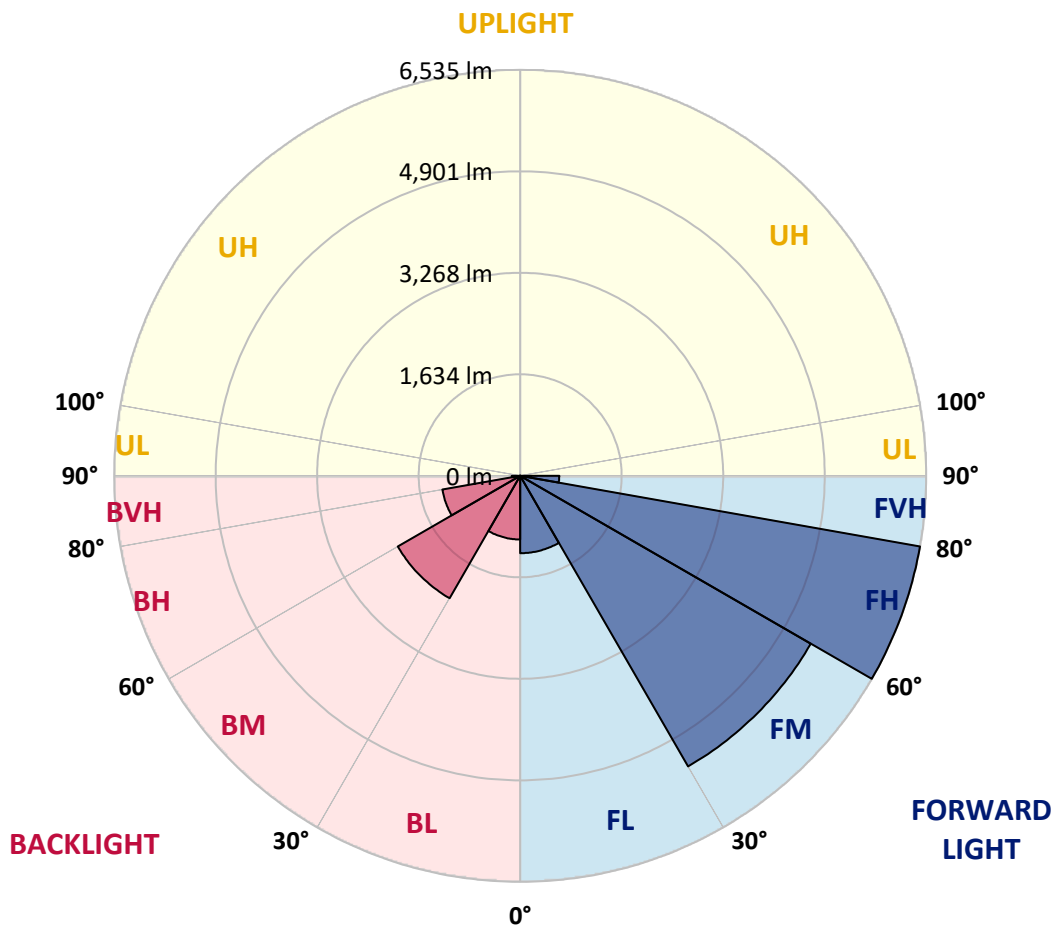
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.5	6.7			
FM (30°-60°)	5401.3	29.2			
FH (60°-80°)	6535.1	35.3			G3/7500
FVH (80°-90°)	629.7	3.4			G4/750
BL (0°-30°)	1024.9	5.5	B3/2500		
BM (30°-60°)	2274.4	12.3	B2/2500		
BH (60°-80°)	1272.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	134.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2738.4	2748.7	2759.2	2774.0	2788.7	2797.5	2806.3	2810.7	2815.1	2813.1
5°	2944.6	2980.8	3017.2	3053.1	3089.2	3108.7	3128.3	3140.1	3152.0	3161.0
7.5°	3151.7	3210.7	3269.7	3322.7	3375.8	3407.7	3439.7	3457.0	3474.2	3482.5
10°	3310.5	3380.3	3450.0	3512.3	3574.5	3612.2	3649.8	3666.6	3683.3	3689.6
12.5°	3407.7	3483.3	3558.9	3615.2	3671.2	3698.6	3726.0	3735.2	3744.3	3745.3
15°	3466.8	3532.1	3597.3	3632.6	3667.9	3668.9	3669.9	3660.1	3650.3	3638.8
17.5°	3500.1	3544.1	3588.2	3588.9	3589.5	3549.9	3510.3	3474.1	3437.7	3412.1
20°	3536.7	3552.0	3567.5	3521.1	3474.7	3387.3	3299.9	3236.3	3172.7	3133.6
22.5°	3579.2	3559.1	3538.9	3442.8	3346.6	3218.2	3089.7	3010.1	2930.6	2887.4
25°	3633.9	3570.4	3506.9	3360.9	3214.9	3058.9	2902.8	2819.2	2735.8	2694.9
27.5°	3708.2	3594.6	3481.0	3287.6	3094.4	2921.4	2748.5	2666.2	2584.0	2545.4
30°	3808.3	3639.0	3469.8	3231.7	2993.7	2813.5	2633.3	2557.0	2480.7	2444.8
32.5°	3926.6	3694.7	3462.9	3193.6	2924.3	2755.0	2585.7	2525.8	2465.8	2439.9
35°	4070.2	3786.5	3502.8	3222.2	2941.6	2824.0	2706.4	2692.5	2678.5	2676.3
37.5°	4312.0	3978.3	3644.5	3389.4	3134.4	3126.8	3119.2	3183.1	3247.0	3280.2
40°	4677.5	4314.5	3951.5	3761.8	3572.2	3706.0	3839.9	3995.3	4150.6	4228.0
42.5°	5162.1	4802.0	4441.8	4332.6	4223.3	4515.3	4807.3	5089.8	5372.4	5538.3
45°	5760.6	5437.1	5113.5	5065.3	5017.0	5484.8	5952.6	6417.0	6881.4	7163.3
47.5°	6509.1	6194.4	5879.5	5869.8	5860.0	6534.8	7209.4	7889.2	8568.9	8968.0
50°	7490.1	7101.3	6712.6	6714.3	6716.0	7585.6	8455.2	9352.5	10249.8	10792.3
52.5°	8616.3	8145.5	7674.8	7627.2	7579.5	8618.3	9657.1	10767.3	11877.4	12527.7
55°	9815.2	9350.1	8885.0	8699.4	8513.9	9670.0	10826.0	12149.6	13473.1	14246.5
57.5°	10905.7	10652.4	10399.0	10026.9	9654.8	10822.1	11989.5	13488.6	14987.6	15946.7
60°	11564.7	11958.1	12351.6	11889.4	11427.3	12532.0	13636.7	15241.8	16846.8	17883.3
62.5°	11230.1	12305.0	13380.0	13327.9	13275.7	14287.7	15299.8	16826.9	18353.8	19311.9
65°	10560.3	11569.1	12578.0	12777.7	12977.2	14263.3	15549.5	17030.2	18510.8	19326.5
67.5°	9662.8	10622.3	11581.8	11675.5	11769.0	13109.0	14448.9	15936.0	17423.1	18062.1
70°	8584.5	9628.2	10672.0	10713.8	10755.7	11954.0	13152.3	14432.0	15711.7	16066.8
72.5°	7299.6	8497.3	9695.0	9725.1	9755.1	10692.7	11630.2	12588.7	13547.0	13583.0
75°	5674.2	6913.7	8153.3	8264.6	8375.9	9105.3	9834.8	10509.5	11184.2	11003.4
77.5°	4054.1	5211.2	6368.4	6527.7	6686.9	7241.5	7796.0	8274.5	8753.1	8442.3
80°	2653.4	3626.9	4600.3	4798.3	4996.2	5415.0	5833.6	6084.9	6336.2	5836.4
82.5°	1542.4	2207.9	2873.5	3094.6	3315.9	3604.1	3892.4	3997.2	4102.0	3709.2
85°	678.6	1031.8	1385.1	1573.2	1761.3	1998.1	2234.9	2294.4	2353.9	2039.3
87.5°	210.1	328.8	447.5	552.5	657.4	775.8	894.3	899.3	904.3	759.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2815.1	2.5°	2810.7	2806.3	2797.5	2788.7	2774.0	2759.2	2748.7	2738.4	2717.4	2696.4
3152.0	5°	3140.1	3128.3	3108.7	3089.2	3053.1	3017.2	2980.8	2944.6	2898.1	2851.7
3474.2	7.5°	3457.0	3439.7	3407.7	3375.8	3322.7	3269.7	3210.7	3151.7	3075.1	2998.6
3683.3	10°	3666.6	3649.8	3612.2	3574.5	3512.3	3450.0	3380.3	3310.5	3213.7	3116.8
3744.3	12.5°	3735.2	3726.0	3698.6	3671.2	3615.2	3558.9	3483.3	3407.7	3301.3	3195.0
3650.3	15°	3660.1	3669.9	3668.9	3667.9	3632.6	3597.3	3532.1	3466.8	3355.9	3245.0
3437.7	17.5°	3474.1	3510.3	3549.9	3589.5	3588.9	3588.2	3544.1	3500.1	3387.6	3275.1
3172.7	20°	3236.3	3299.9	3387.3	3474.7	3521.1	3567.5	3552.0	3536.7	3419.8	3302.9
2930.6	22.5°	3010.1	3089.7	3218.2	3346.6	3442.8	3538.9	3559.1	3579.2	3459.8	3340.3
2735.8	25°	2819.2	2902.8	3058.9	3214.9	3360.9	3506.9	3570.4	3633.9	3516.9	3399.9
2584.0	27.5°	2666.2	2748.5	2921.4	3094.4	3287.6	3481.0	3594.6	3708.2	3596.6	3484.9
2480.7	30°	2557.0	2633.3	2813.5	2993.7	3231.7	3469.8	3639.0	3808.3	3700.5	3592.7
2465.8	32.5°	2525.8	2585.7	2755.0	2924.3	3193.6	3462.9	3694.7	3926.6	3819.8	3713.1
2678.5	35°	2692.5	2706.4	2824.0	2941.6	3222.2	3502.8	3786.5	4070.2	3968.0	3865.7
3247.0	37.5°	3183.1	3119.2	3126.8	3134.4	3389.4	3644.5	3978.3	4312.0	4181.7	4051.4
4150.6	40°	3995.3	3839.9	3706.0	3572.2	3761.8	3951.5	4314.5	4677.5	4487.5	4297.6
5372.4	42.5°	5089.8	4807.3	4515.3	4223.3	4332.6	4441.8	4802.0	5162.1	4888.0	4613.8
6881.4	45°	6417.0	5952.6	5484.8	5017.0	5065.3	5113.5	5437.1	5760.6	5390.8	5021.0
8568.9	47.5°	7889.2	7209.4	6534.8	5860.0	5869.8	5879.5	6194.4	6509.1	5988.6	5468.0
10249.8	50°	9352.5	8455.2	7585.6	6716.0	6714.3	6712.6	7101.3	7490.1	6705.4	5920.6
11877.4	52.5°	10767.3	9657.1	8618.3	7579.5	7627.2	7674.8	8145.5	8616.3	7458.4	6300.5
13473.1	55°	12149.6	10826.0	9670.0	8513.9	8699.4	8885.0	9350.1	9815.2	8126.0	6436.8
14987.6	57.5°	13488.6	11989.5	10822.1	9654.8	10026.9	10399.0	10652.4	10905.7	8599.1	6292.5
16846.8	60°	15241.8	13636.7	12532.0	11427.3	11889.4	12351.6	11958.1	11564.7	8717.3	5869.8
18353.8	62.5°	16826.9	15299.8	14287.7	13275.7	13327.9	13380.0	12305.0	11230.1	8219.5	5208.9
18510.8	65°	17030.2	15549.5	14263.3	12977.2	12777.7	12578.0	11569.1	10560.3	7515.1	4469.9
17423.1	67.5°	15936.0	14448.9	13109.0	11769.0	11675.5	11581.8	10622.3	9662.8	6676.8	3690.8
15711.7	70°	14432.0	13152.3	11954.0	10755.7	10713.8	10672.0	9628.2	8584.5	5762.1	2939.7
13547.0	72.5°	12588.7	11630.2	10692.7	9755.1	9725.1	9695.0	8497.3	7299.6	4770.5	2241.5
11184.2	75°	10509.5	9834.8	9105.3	8375.9	8264.6	8153.3	6913.7	5674.2	3633.8	1593.5
8753.1	77.5°	8274.5	7796.0	7241.5	6686.9	6527.7	6368.4	5211.2	4054.1	2543.4	1032.6
6336.2	80°	6084.9	5833.6	5415.0	4996.2	4798.3	4600.3	3626.9	2653.4	1638.6	623.9
4102.0	82.5°	3997.2	3892.4	3604.1	3315.9	3094.6	2873.5	2207.9	1542.4	948.4	354.5
2353.9	85°	2294.4	2234.9	1998.1	1761.3	1573.2	1385.1	1031.8	678.6	426.6	174.7
904.3	87.5°	899.3	894.3	775.8	657.4	552.5	447.5	328.8	210.1	139.7	69.4
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°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2674.0	2.5°	2651.7	2629.2	2606.8	2585.3	2563.8	2543.0	2519.8	2501.0	2482.4	2465.5
2805.4	5°	2759.2	2712.6	2666.1	2622.6	2579.1	2538.1	2497.5	2462.2	2426.7	2397.0
2927.9	7.5°	2857.1	2788.2	2719.3	2658.7	2598.0	2542.0	2489.5	2442.4	2395.4	2356.3
3023.3	10°	2929.9	2846.3	2762.5	2690.8	2618.9	2549.8	2493.4	2443.8	2394.1	2355.1
3089.1	12.5°	2983.2	2884.5	2785.8	2704.6	2623.4	2550.8	2498.3	2457.7	2417.2	2391.2
3130.1	15°	3015.2	2901.6	2787.9	2693.9	2599.9	2519.5	2477.5	2458.1	2438.7	2442.2
3149.8	17.5°	3024.4	2892.5	2760.6	2647.5	2534.5	2439.9	2414.0	2421.1	2428.2	2470.8
3165.1	20°	3027.3	2867.5	2707.6	2567.5	2427.4	2317.2	2310.4	2343.6	2376.9	2450.8
3185.8	22.5°	3031.2	2836.8	2642.3	2473.6	2304.8	2179.5	2192.9	2242.0	2291.2	2375.6
3223.3	25°	3046.7	2806.5	2566.4	2368.7	2171.2	2042.7	2078.8	2135.5	2192.2	2268.1
3282.0	27.5°	3078.9	2786.3	2493.6	2272.9	2052.2	1935.2	1979.2	2033.9	2088.6	2151.0
3357.9	30°	3123.1	2776.8	2430.3	2192.8	1955.2	1857.0	1891.5	1934.9	1978.5	2030.3
3437.1	32.5°	3161.2	2765.1	2368.7	2123.7	1878.5	1799.4	1814.7	1840.4	1866.1	1907.4
3527.4	35°	3189.1	2743.0	2297.0	2055.8	1814.5	1748.6	1742.2	1749.2	1756.4	1787.9
3628.5	37.5°	3205.7	2705.2	2204.6	1975.8	1747.1	1689.4	1666.2	1658.4	1650.6	1673.2
3756.9	40°	3216.2	2653.1	2090.1	1880.5	1670.9	1618.6	1582.9	1565.3	1547.6	1563.9
3924.9	42.5°	3236.0	2599.3	1962.8	1775.2	1587.6	1539.5	1494.5	1471.1	1447.6	1460.9
4145.9	45°	3270.9	2549.4	1828.0	1663.5	1498.9	1450.1	1406.6	1383.7	1360.9	1372.1
4381.4	47.5°	3294.9	2508.2	1721.5	1575.0	1428.6	1365.5	1328.1	1309.0	1289.8	1300.4
4599.9	50°	3279.2	2463.2	1647.2	1516.3	1385.4	1302.5	1259.0	1242.0	1225.1	1241.5
4741.8	52.5°	3183.0	2387.3	1591.7	1477.6	1363.6	1268.3	1207.5	1190.7	1174.0	1198.7
4710.5	55°	2984.1	2261.5	1538.8	1449.6	1360.4	1271.7	1180.2	1153.6	1127.1	1162.2
4490.5	57.5°	2688.6	2084.0	1479.4	1416.3	1353.3	1275.1	1163.8	1125.1	1086.4	1124.1
4081.0	60°	2292.1	1853.6	1415.1	1365.5	1316.0	1264.4	1148.3	1098.2	1048.0	1081.1
3527.2	62.5°	1845.6	1577.9	1310.1	1277.2	1244.4	1238.0	1130.3	1067.6	1005.0	1026.0
2962.2	65°	1454.7	1329.8	1204.8	1189.3	1173.7	1174.5	1092.4	1025.8	959.0	967.2
2408.8	67.5°	1126.8	1091.3	1055.8	1064.5	1073.1	1070.9	1024.8	969.3	913.8	911.3
1896.6	70°	853.5	863.7	873.7	914.0	954.2	954.2	939.0	899.5	860.1	851.3
1450.0	72.5°	658.4	689.0	719.7	776.7	833.7	843.3	843.5	816.4	789.3	776.4
1052.4	75°	511.2	539.0	566.7	630.6	694.5	738.7	735.0	714.2	693.3	681.0
713.1	77.5°	393.6	412.4	431.4	493.4	555.5	628.3	626.3	609.6	592.9	580.4
459.4	80°	295.1	302.9	310.7	363.3	415.8	502.7	502.4	488.5	474.4	463.9
282.6	82.5°	210.9	212.2	213.8	252.5	291.2	365.4	369.5	362.7	355.9	348.4
151.1	85°	127.5	126.8	126.0	154.4	182.7	237.9	243.3	236.0	228.6	220.3
62.6	87.5°	55.9	55.2	54.5	66.1	77.7	100.6	107.5	104.6	101.6	100.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2448.7	2.5°	2433.9	2419.2	2404.3	2389.6	2378.1	2366.6	2357.3	2348.0	2340.8	2333.6
2367.4	5°	2341.2	2315.0	2291.3	2267.4	2249.1	2230.8	2218.0	2205.2	2196.1	2187.0
2317.2	7.5°	2284.3	2251.3	2222.2	2193.2	2171.4	2149.7	2134.4	2119.2	2108.7	2098.4
2316.0	10°	2280.5	2244.9	2212.2	2179.5	2153.5	2127.4	2110.4	2093.2	2083.3	2073.5
2365.4	12.5°	2337.5	2309.7	2275.8	2242.0	2208.8	2175.6	2153.6	2131.6	2120.6	2109.6
2445.7	15°	2438.5	2431.3	2401.9	2372.5	2325.2	2277.9	2244.5	2211.0	2195.7	2180.5
2513.4	17.5°	2536.0	2558.6	2534.9	2511.2	2448.6	2385.9	2336.7	2287.4	2264.8	2242.0
2524.9	20°	2572.3	2619.7	2608.7	2597.7	2526.1	2454.5	2394.1	2333.9	2304.8	2275.7
2460.2	22.5°	2521.9	2583.5	2590.2	2596.7	2528.3	2459.9	2397.8	2335.5	2304.9	2274.3
2344.1	25°	2404.8	2465.5	2488.1	2510.7	2454.6	2398.6	2343.3	2288.2	2261.7	2235.2
2213.4	27.5°	2262.0	2310.7	2335.9	2361.2	2321.3	2281.4	2238.5	2195.6	2177.8	2159.9
2082.1	30°	2122.4	2162.9	2183.4	2203.9	2173.5	2143.0	2112.3	2081.5	2072.4	2063.2
1948.9	32.5°	1987.6	2026.4	2049.1	2072.0	2044.0	2016.0	1991.5	1967.0	1961.0	1955.0
1819.4	35°	1857.7	1896.1	1923.5	1950.8	1930.9	1911.1	1888.4	1865.8	1856.7	1847.7
1695.8	37.5°	1734.0	1772.3	1806.1	1839.9	1830.7	1821.6	1800.7	1779.8	1763.3	1746.9
1580.2	40°	1617.1	1654.1	1693.0	1732.0	1734.2	1736.3	1718.7	1701.0	1676.9	1653.1
1474.3	42.5°	1509.3	1544.3	1586.4	1628.4	1639.6	1650.9	1635.9	1621.0	1591.2	1561.4
1383.4	45°	1416.6	1449.9	1493.4	1537.0	1553.1	1569.3	1555.8	1542.4	1508.3	1474.3
1310.8	47.5°	1343.3	1375.8	1418.8	1461.8	1480.3	1498.9	1489.5	1480.1	1449.9	1419.6
1258.0	50°	1288.7	1319.3	1357.8	1396.3	1420.2	1444.0	1443.4	1443.0	1418.8	1394.6
1223.4	52.5°	1251.5	1279.5	1315.4	1351.4	1379.6	1407.8	1412.9	1418.0	1398.3	1378.5
1197.2	55°	1227.5	1257.8	1289.2	1320.6	1350.5	1380.5	1387.5	1394.6	1377.4	1360.2
1161.8	57.5°	1197.4	1232.9	1264.0	1295.2	1325.4	1355.5	1362.6	1369.7	1352.3	1334.9
1114.1	60°	1155.0	1195.8	1227.4	1259.0	1289.3	1319.6	1327.4	1335.2	1318.2	1301.3
1047.0	62.5°	1094.6	1142.3	1176.0	1209.7	1237.4	1265.2	1272.7	1280.2	1264.9	1249.5
975.2	65°	1026.2	1077.3	1109.5	1141.8	1166.2	1190.6	1198.3	1206.0	1191.2	1176.5
908.7	67.5°	955.8	1003.0	1033.6	1064.1	1085.2	1106.3	1113.8	1121.2	1107.7	1094.2
842.5	70°	883.9	925.3	951.7	978.1	997.2	1016.2	1023.4	1030.7	1019.6	1008.6
763.6	72.5°	796.3	828.8	852.6	876.5	895.1	913.8	922.4	931.0	921.8	912.6
668.5	75°	692.8	717.0	738.6	760.2	777.2	794.2	803.2	812.2	807.7	803.2
567.9	77.5°	587.6	607.3	625.8	644.4	662.3	680.1	688.5	696.9	690.6	684.2
453.4	80°	469.8	486.1	501.8	517.4	531.0	544.5	555.6	566.7	564.0	561.4
341.0	82.5°	339.6	338.3	332.8	327.3	356.3	385.2	404.1	423.1	421.9	420.7
212.0	85°	205.0	197.9	182.7	167.6	194.6	221.8	245.3	268.7	266.8	264.8
98.5	87.5°	98.2	97.9	86.4	74.7	86.1	97.5	107.0	116.5	114.1	111.6
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°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2326.9	2.5°	2320.2	2311.9	2320.2	2326.9	2333.6	2340.8	2348.0	2357.3	2366.6	2378.1
2180.1	5°	2173.1	2166.3	2173.1	2180.1	2187.0	2196.1	2205.2	2218.0	2230.8	2249.1
2092.1	7.5°	2086.0	2081.3	2086.0	2092.1	2098.4	2108.7	2119.2	2134.4	2149.7	2171.4
2068.2	10°	2062.9	2060.8	2062.9	2068.2	2073.5	2083.3	2093.2	2110.4	2127.4	2153.5
2105.1	12.5°	2100.6	2099.8	2100.6	2105.1	2109.6	2120.6	2131.6	2153.6	2175.6	2208.8
2174.6	15°	2168.7	2168.2	2168.7	2174.6	2180.5	2195.7	2211.0	2244.5	2277.9	2325.2
2234.6	17.5°	2227.1	2225.9	2227.1	2234.6	2242.0	2264.8	2287.4	2336.7	2385.9	2448.6
2266.4	20°	2257.2	2254.2	2257.2	2266.4	2275.7	2304.8	2333.9	2394.1	2454.5	2526.1
2264.0	22.5°	2253.7	2249.3	2253.7	2264.0	2274.3	2304.9	2335.5	2397.8	2459.9	2528.3
2225.5	25°	2215.9	2210.3	2215.9	2225.5	2235.2	2261.7	2288.2	2343.3	2398.6	2454.6
2155.5	27.5°	2151.1	2149.7	2151.1	2155.5	2159.9	2177.8	2195.6	2238.5	2281.4	2321.3
2063.2	30°	2063.2	2064.7	2063.2	2063.2	2063.2	2072.4	2081.5	2112.3	2143.0	2173.5
1955.8	32.5°	1956.7	1958.2	1956.7	1955.8	1955.0	1961.0	1967.0	1991.5	2016.0	2044.0
1845.8	35°	1843.8	1842.9	1843.8	1845.8	1847.7	1856.7	1865.8	1888.4	1911.1	1930.9
1738.2	37.5°	1729.5	1724.6	1729.5	1738.2	1746.9	1763.3	1779.8	1800.7	1821.6	1830.7
1636.9	40°	1620.9	1611.3	1620.9	1636.9	1653.1	1676.9	1701.0	1718.7	1736.3	1734.2
1537.9	42.5°	1514.3	1498.9	1514.3	1537.9	1561.4	1591.2	1621.0	1635.9	1650.9	1639.6
1446.6	45°	1419.0	1401.2	1419.0	1446.6	1474.3	1508.3	1542.4	1555.8	1569.3	1553.1
1394.0	47.5°	1368.5	1351.4	1368.5	1394.0	1419.6	1449.9	1480.1	1489.5	1498.9	1480.3
1370.9	50°	1347.3	1330.8	1347.3	1370.9	1394.6	1418.8	1443.0	1443.4	1444.0	1420.2
1357.3	52.5°	1336.2	1321.1	1336.2	1357.3	1378.5	1398.3	1418.0	1412.9	1407.8	1379.6
1341.6	55°	1323.0	1309.3	1323.0	1341.6	1360.2	1377.4	1394.6	1387.5	1380.5	1350.5
1316.6	57.5°	1298.1	1283.9	1298.1	1316.6	1334.9	1352.3	1369.7	1362.6	1355.5	1325.4
1282.4	60°	1263.4	1248.8	1263.4	1282.4	1301.3	1318.2	1335.2	1327.4	1319.6	1289.3
1229.6	62.5°	1209.7	1192.1	1209.7	1229.6	1249.5	1264.9	1280.2	1272.7	1265.2	1237.4
1157.1	65°	1137.9	1122.7	1137.9	1157.1	1176.5	1191.2	1206.0	1198.3	1190.6	1166.2
1076.2	67.5°	1058.2	1044.5	1058.2	1076.2	1094.2	1107.7	1121.2	1113.8	1106.3	1085.2
991.4	70°	974.2	958.6	974.2	991.4	1008.6	1019.6	1030.7	1023.4	1016.2	997.2
896.2	72.5°	879.9	864.8	879.9	896.2	912.6	921.8	931.0	922.4	913.8	895.1
789.4	75°	775.6	761.2	775.6	789.4	803.2	807.7	812.2	803.2	794.2	777.2
670.3	77.5°	656.4	644.9	656.4	670.3	684.2	690.6	696.9	688.5	680.1	662.3
542.7	80°	523.9	502.2	523.9	542.7	561.4	564.0	566.7	555.6	544.5	531.0
404.9	82.5°	389.1	375.2	389.1	404.9	420.7	421.9	423.1	404.1	385.2	356.3
252.5	85°	240.2	227.7	240.2	252.5	264.8	266.8	268.7	245.3	221.8	194.6
105.3	87.5°	98.9	92.8	98.9	105.3	111.6	114.1	116.5	107.0	97.5	86.1
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°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2389.6	2.5°	2404.3	2419.2	2433.9	2448.7	2465.5	2482.4	2501.0	2519.8	2543.0	2563.8
2267.4	5°	2291.3	2315.0	2341.2	2367.4	2397.0	2426.7	2462.2	2497.5	2538.1	2579.1
2193.2	7.5°	2222.2	2251.3	2284.3	2317.2	2356.3	2395.4	2442.4	2489.5	2542.0	2598.0
2179.5	10°	2212.2	2244.9	2280.5	2316.0	2355.1	2394.1	2443.8	2493.4	2549.8	2618.9
2242.0	12.5°	2275.8	2309.7	2337.5	2365.4	2391.2	2417.2	2457.7	2498.3	2550.8	2623.4
2372.5	15°	2401.9	2431.3	2438.5	2445.7	2442.2	2438.7	2458.1	2477.5	2519.5	2599.9
2511.2	17.5°	2534.9	2558.6	2536.0	2513.4	2470.8	2428.2	2421.1	2414.0	2439.9	2534.5
2597.7	20°	2608.7	2619.7	2572.3	2524.9	2450.8	2376.9	2343.6	2310.4	2317.2	2427.4
2596.7	22.5°	2590.2	2583.5	2521.9	2460.2	2375.6	2291.2	2242.0	2192.9	2179.5	2304.8
2510.7	25°	2488.1	2465.5	2404.8	2344.1	2268.1	2192.2	2135.5	2078.8	2042.7	2171.2
2361.2	27.5°	2335.9	2310.7	2262.0	2213.4	2151.0	2088.6	2033.9	1979.2	1935.2	2052.2
2203.9	30°	2183.4	2162.9	2122.4	2082.1	2030.3	1978.5	1934.9	1891.5	1857.0	1955.2
2072.0	32.5°	2049.1	2026.4	1987.6	1948.9	1907.4	1866.1	1840.4	1814.7	1799.4	1878.5
1950.8	35°	1923.5	1896.1	1857.7	1819.4	1787.9	1756.4	1749.2	1742.2	1748.6	1814.5
1839.9	37.5°	1806.1	1772.3	1734.0	1695.8	1673.2	1650.6	1658.4	1666.2	1689.4	1747.1
1732.0	40°	1693.0	1654.1	1617.1	1580.2	1563.9	1547.6	1565.3	1582.9	1618.6	1670.9
1628.4	42.5°	1586.4	1544.3	1509.3	1474.3	1460.9	1447.6	1471.1	1494.5	1539.5	1587.6
1537.0	45°	1493.4	1449.9	1416.6	1383.4	1372.1	1360.9	1383.7	1406.6	1450.1	1498.9
1461.8	47.5°	1418.8	1375.8	1343.3	1310.8	1300.4	1289.8	1309.0	1328.1	1365.5	1428.6
1396.3	50°	1357.8	1319.3	1288.7	1258.0	1241.5	1225.1	1242.0	1259.0	1302.5	1385.4
1351.4	52.5°	1315.4	1279.5	1251.5	1223.4	1198.7	1174.0	1190.7	1207.5	1268.3	1363.6
1320.6	55°	1289.2	1257.8	1227.5	1197.2	1162.2	1127.1	1153.6	1180.2	1271.7	1360.4
1295.2	57.5°	1264.0	1232.9	1197.4	1161.8	1124.1	1086.4	1125.1	1163.8	1275.1	1353.3
1259.0	60°	1227.4	1195.8	1155.0	1114.1	1081.1	1048.0	1098.2	1148.3	1264.4	1316.0
1209.7	62.5°	1176.0	1142.3	1094.6	1047.0	1026.0	1005.0	1067.6	1130.3	1238.0	1244.4
1141.8	65°	1109.5	1077.3	1026.2	975.2	967.2	959.0	1025.8	1092.4	1174.5	1173.7
1064.1	67.5°	1033.6	1003.0	955.8	908.7	911.3	913.8	969.3	1024.8	1070.9	1073.1
978.1	70°	951.7	925.3	883.9	842.5	851.3	860.1	899.5	939.0	954.2	954.2
876.5	72.5°	852.6	828.8	796.3	763.6	776.4	789.3	816.4	843.5	843.3	833.7
760.2	75°	738.6	717.0	692.8	668.5	681.0	693.3	714.2	735.0	738.7	694.5
644.4	77.5°	625.8	607.3	587.6	567.9	580.4	592.9	609.6	626.3	628.3	555.5
517.4	80°	501.8	486.1	469.8	453.4	463.9	474.4	488.5	502.4	502.7	415.8
327.3	82.5°	332.8	338.3	339.6	341.0	348.4	355.9	362.7	369.5	365.4	291.2
167.6	85°	182.7	197.9	205.0	212.0	220.3	228.6	236.0	243.3	237.9	182.7
74.7	87.5°	86.4	97.9	98.2	98.5	100.1	101.6	104.6	107.5	100.6	77.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
2546.4	0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2585.3	2.5°	2606.8	2629.2	2651.7	2674.0	2696.4	2717.4	2738.4
2622.6	5°	2666.1	2712.6	2759.2	2805.4	2851.7	2898.1	2944.6
2658.7	7.5°	2719.3	2788.2	2857.1	2927.9	2998.6	3075.1	3151.7
2690.8	10°	2762.5	2846.3	2929.9	3023.3	3116.8	3213.7	3310.5
2704.6	12.5°	2785.8	2884.5	2983.2	3089.1	3195.0	3301.3	3407.7
2693.9	15°	2787.9	2901.6	3015.2	3130.1	3245.0	3355.9	3466.8
2647.5	17.5°	2760.6	2892.5	3024.4	3149.8	3275.1	3387.6	3500.1
2567.5	20°	2707.6	2867.5	3027.3	3165.1	3302.9	3419.8	3536.7
2473.6	22.5°	2642.3	2836.8	3031.2	3185.8	3340.3	3459.8	3579.2
2368.7	25°	2566.4	2806.5	3046.7	3223.3	3399.9	3516.9	3633.9
2272.9	27.5°	2493.6	2786.3	3078.9	3282.0	3484.9	3596.6	3708.2
2192.8	30°	2430.3	2776.8	3123.1	3357.9	3592.7	3700.5	3808.3
2123.7	32.5°	2368.7	2765.1	3161.2	3437.1	3713.1	3819.8	3926.6
2055.8	35°	2297.0	2743.0	3189.1	3527.4	3865.7	3968.0	4070.2
1975.8	37.5°	2204.6	2705.2	3205.7	3628.5	4051.4	4181.7	4312.0
1880.5	40°	2090.1	2653.1	3216.2	3756.9	4297.6	4487.5	4677.5
1775.2	42.5°	1962.8	2599.3	3236.0	3924.9	4613.8	4888.0	5162.1
1663.5	45°	1828.0	2549.4	3270.9	4145.9	5021.0	5390.8	5760.6
1575.0	47.5°	1721.5	2508.2	3294.9	4381.4	5468.0	5988.6	6509.1
1516.3	50°	1647.2	2463.2	3279.2	4599.9	5920.6	6705.4	7490.1
1477.6	52.5°	1591.7	2387.3	3183.0	4741.8	6300.5	7458.4	8616.3
1449.6	55°	1538.8	2261.5	2984.1	4710.5	6436.8	8126.0	9815.2
1416.3	57.5°	1479.4	2084.0	2688.6	4490.5	6292.5	8599.1	10905.7
1365.5	60°	1415.1	1853.6	2292.1	4081.0	5869.8	8717.3	11564.7
1277.2	62.5°	1310.1	1577.9	1845.6	3527.2	5208.9	8219.5	11230.1
1189.3	65°	1204.8	1329.8	1454.7	2962.2	4469.9	7515.1	10560.3
1064.5	67.5°	1055.8	1091.3	1126.8	2408.8	3690.8	6676.8	9662.8
914.0	70°	873.7	863.7	853.5	1896.6	2939.7	5762.1	8584.5
776.7	72.5°	719.7	689.0	658.4	1450.0	2241.5	4770.5	7299.6
630.6	75°	566.7	539.0	511.2	1052.4	1593.5	3633.8	5674.2
493.4	77.5°	431.4	412.4	393.6	713.1	1032.6	2543.4	4054.1
363.3	80°	310.7	302.9	295.1	459.4	623.9	1638.6	2653.4
252.5	82.5°	213.8	212.2	210.9	282.6	354.5	948.4	1542.4
154.4	85°	126.0	126.8	127.5	151.1	174.7	426.6	678.6
66.1	87.5°	54.5	55.2	55.9	62.6	69.4	139.7	210.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)