

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: P948284

Luminaire Tested: **GALN-SB3B-850-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948284
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-SB3B-850-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16103 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

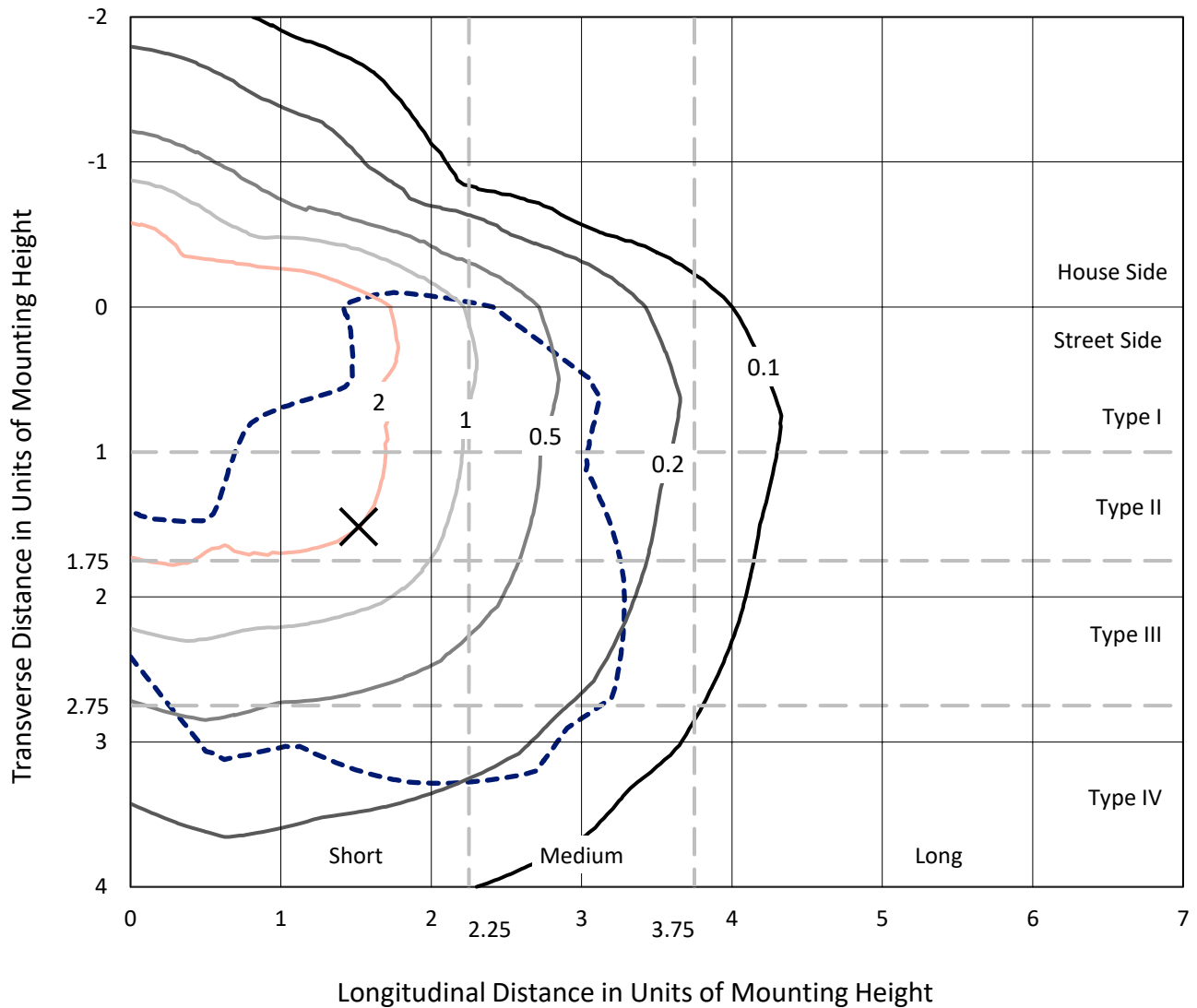
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

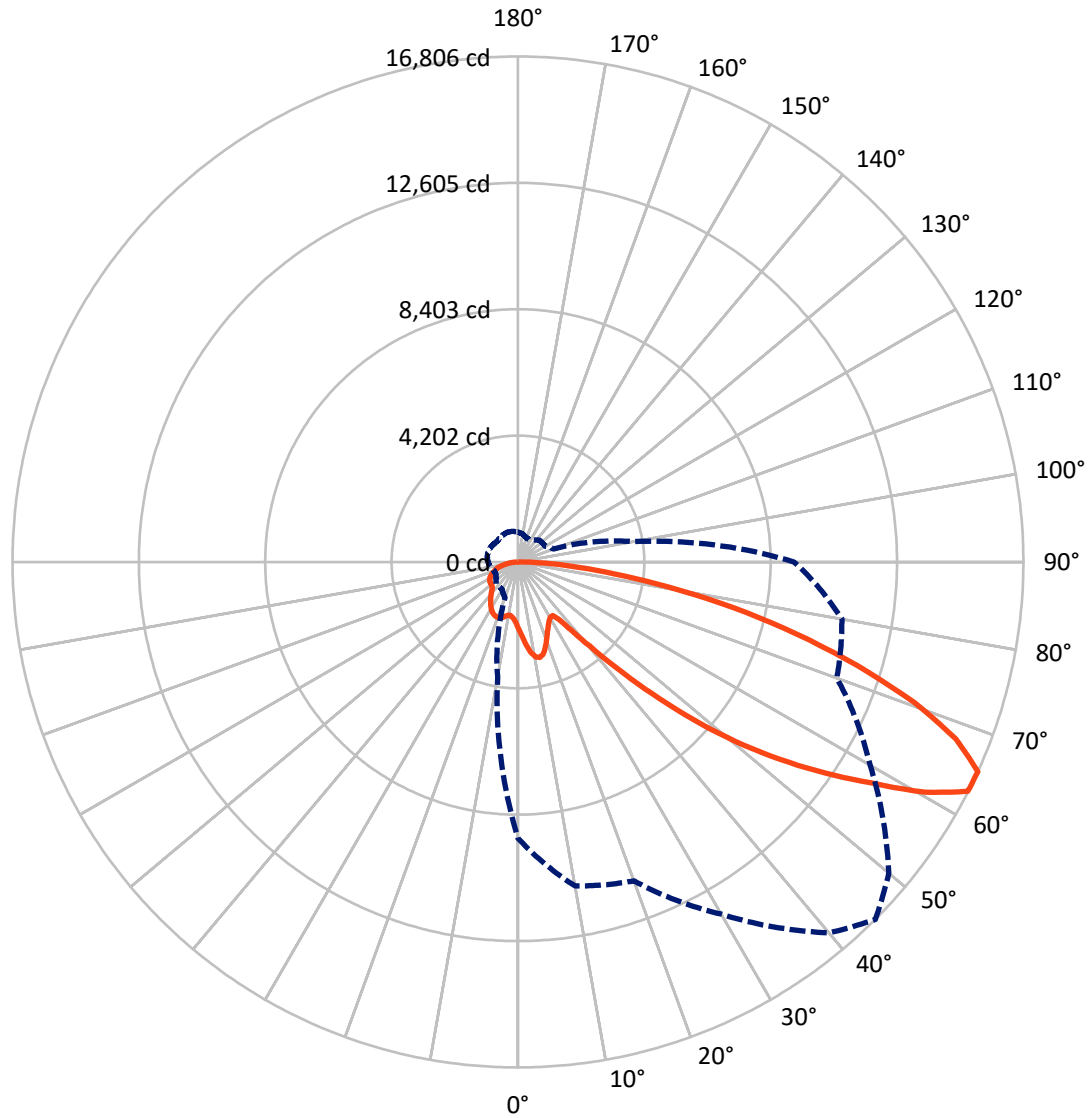
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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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CATALOG NUMBER: GALN-SB3B-850-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4092.6	0.0	4092.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12010.4	0.0	12010.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	16103.0	0.0	16103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	1.4
10°-20°	689.5	4.3
20°-30°	1065.1	6.6
30°-40°	1349.8	8.4
40°-50°	2035.8	12.6
50°-60°	3289.1	20.4
60°-70°	4100.4	25.5
70°-80°	2688.8	16.7
80°-90°	664.8	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°	16103.0	100.0
0°-180°	16103.0	100.0

Coefficient of Utilization



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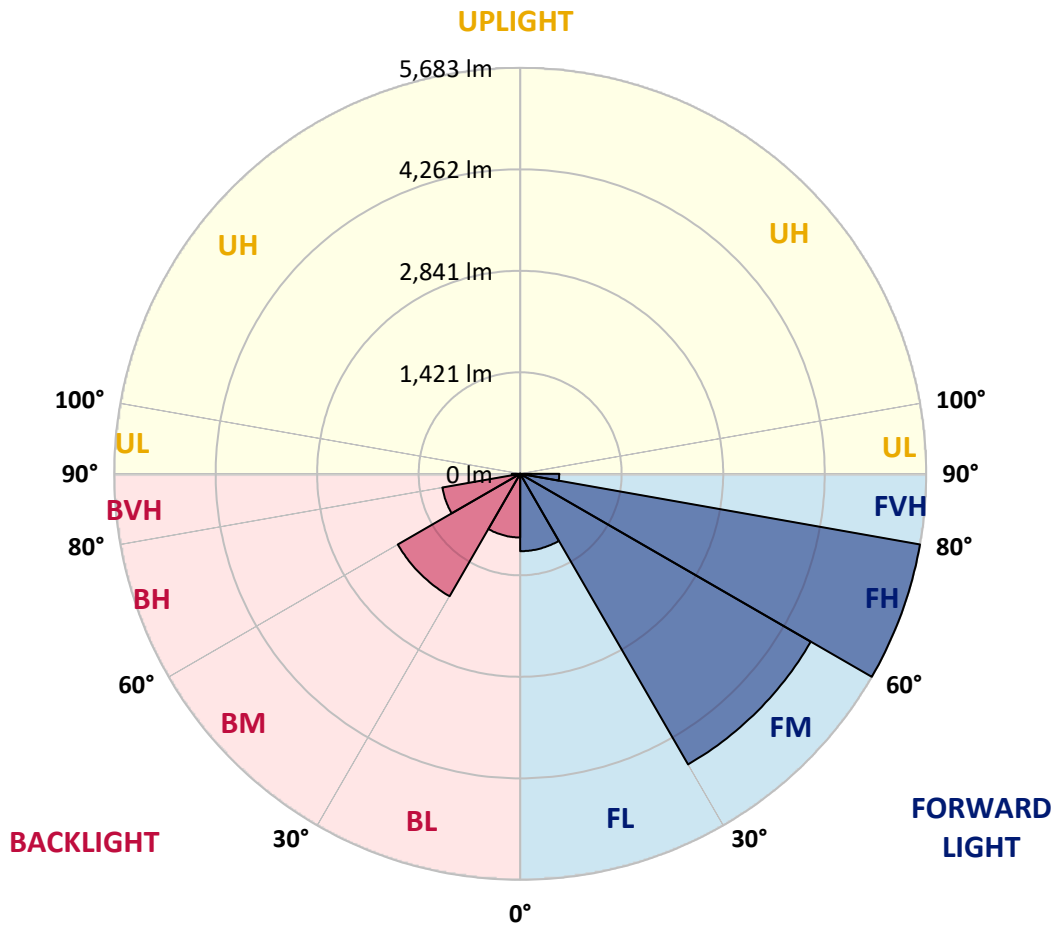
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.1	6.7			
FM (30°-60°)	4696.9	29.2			
FH (60°-80°)	5682.8	35.3			G3/7500
FVH (80°-90°)	547.6	3.4			G4/750
BL (0°-30°)	891.2	5.5	B2/1000		
BM (30°-60°)	1977.8	12.3	B2/2500		
BH (60°-80°)	1106.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	117.1	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°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2.5°	2381.3	2390.3	2399.4	2412.2	2425.0	2432.7	2440.3	2444.1	2448.0	2446.3
5°	2560.6	2592.1	2623.7	2655.0	2686.3	2703.3	2720.3	2730.6	2740.9	2748.8
7.5°	2740.7	2792.0	2843.2	2889.4	2935.5	2963.3	2991.1	3006.1	3021.1	3028.3
10°	2878.8	2939.4	3000.1	3054.2	3108.3	3141.1	3173.8	3188.4	3202.9	3208.4
12.5°	2963.3	3029.1	3094.8	3143.7	3192.5	3216.3	3240.1	3248.0	3256.0	3256.9
15°	3014.7	3071.5	3128.1	3158.8	3189.6	3190.4	3191.3	3182.8	3174.3	3164.3
17.5°	3043.6	3081.9	3120.2	3120.8	3121.3	3086.9	3052.5	3021.0	2989.4	2967.1
20°	3075.5	3088.8	3102.2	3061.9	3021.5	2945.5	2869.6	2814.3	2759.0	2725.0
22.5°	3112.4	3094.9	3077.4	2993.8	2910.2	2798.5	2686.7	2617.6	2548.4	2510.8
25°	3160.0	3104.8	3049.5	2922.6	2795.7	2660.0	2524.3	2451.5	2379.0	2343.5
27.5°	3224.6	3125.9	3027.0	2858.9	2690.8	2540.4	2390.0	2318.5	2247.0	2213.5
30°	3311.7	3164.4	3017.3	2810.3	2603.3	2446.6	2289.9	2223.6	2157.2	2125.9
32.5°	3414.5	3212.9	3011.3	2777.1	2543.0	2395.7	2248.5	2196.4	2144.2	2121.7
35°	3539.4	3292.6	3046.0	2801.9	2558.0	2455.7	2353.5	2341.3	2329.2	2327.3
37.5°	3749.7	3459.4	3169.2	2947.4	2725.6	2719.0	2712.4	2768.0	2823.5	2852.4
40°	4067.5	3751.8	3436.2	3271.2	3106.3	3222.7	3339.1	3474.2	3609.3	3676.6
42.5°	4488.9	4175.7	3862.5	3767.5	3672.5	3926.4	4180.3	4426.1	4671.8	4816.1
45°	5009.4	4728.0	4446.6	4404.7	4362.8	4769.5	5176.3	5580.1	5984.0	6229.1
47.5°	5660.2	5386.5	5112.8	5104.3	5095.8	5682.6	6269.2	6860.3	7451.4	7798.5
50°	6513.3	6175.2	5837.2	5838.7	5840.1	6596.3	7352.6	8132.8	8913.1	9384.9
52.5°	7492.6	7083.2	6673.9	6632.5	6591.1	7494.4	8397.7	9363.1	10328.4	10893.9
55°	8535.2	8130.7	7726.3	7564.9	7403.5	8408.9	9414.2	10565.1	11716.0	12388.5
57.5°	9483.4	9263.2	9042.9	8719.2	8395.7	9410.8	10425.9	11729.5	13033.0	13867.0
60°	10056.5	10398.6	10740.8	10338.9	9937.0	10897.7	11858.3	13254.0	14649.7	15551.1
62.5°	9765.5	10700.3	11635.0	11589.7	11544.4	12424.4	13304.5	14632.4	15960.2	16793.3
65°	9183.1	10060.4	10937.7	11111.3	11284.8	12403.1	13521.6	14809.2	16096.8	16806.1
67.5°	8402.6	9237.0	10071.4	10152.8	10234.1	11399.4	12564.6	13857.7	15150.9	15706.6
70°	7465.0	8372.5	9280.2	9316.5	9353.0	10395.1	11437.0	12549.9	13662.6	13971.5
72.5°	6347.6	7389.1	8430.7	8456.8	8482.9	9298.2	10113.5	10946.9	11780.3	11811.6
75°	4934.2	6012.1	7090.0	7186.8	7283.6	7917.9	8552.2	9138.9	9725.6	9568.4
77.5°	3525.4	4531.6	5537.9	5676.4	5814.9	6297.1	6779.3	7195.4	7611.6	7341.4
80°	2307.3	3153.9	4000.4	4172.5	4344.7	4708.8	5072.8	5291.4	5509.8	5075.2
82.5°	1341.2	1920.0	2498.8	2691.1	2883.4	3134.1	3384.8	3475.9	3567.0	3225.4
85°	590.1	897.3	1204.4	1368.0	1531.6	1737.5	1943.4	1995.2	2046.9	1773.3
87.5°	182.7	285.9	389.2	480.4	571.7	674.7	777.6	782.1	786.4	660.2
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°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2448.0	2.5°	2444.1	2440.3	2432.7	2425.0	2412.2	2399.4	2390.3	2381.3	2363.0	2344.7
2740.9	5°	2730.6	2720.3	2703.3	2686.3	2655.0	2623.7	2592.1	2560.6	2520.2	2479.8
3021.1	7.5°	3006.1	2991.1	2963.3	2935.5	2889.4	2843.2	2792.0	2740.7	2674.1	2607.5
3202.9	10°	3188.4	3173.8	3141.1	3108.3	3054.2	3000.1	2939.4	2878.8	2794.6	2710.4
3256.0	12.5°	3248.0	3240.1	3216.3	3192.5	3143.7	3094.8	3029.1	2963.3	2870.8	2778.3
3174.3	15°	3182.8	3191.3	3190.4	3189.6	3158.8	3128.1	3071.5	3014.7	2918.3	2821.8
2989.4	17.5°	3021.0	3052.5	3086.9	3121.3	3120.8	3120.2	3081.9	3043.6	2945.8	2848.0
2759.0	20°	2814.3	2869.6	2945.5	3021.5	3061.9	3102.2	3088.8	3075.5	2973.8	2872.1
2548.4	22.5°	2617.6	2686.7	2798.5	2910.2	2993.8	3077.4	3094.9	3112.4	3008.6	2904.7
2379.0	25°	2451.5	2524.3	2660.0	2795.7	2922.6	3049.5	3104.8	3160.0	3058.2	2956.5
2247.0	27.5°	2318.5	2390.0	2540.4	2690.8	2858.9	3027.0	3125.9	3224.6	3127.6	3030.4
2157.2	30°	2223.6	2289.9	2446.6	2603.3	2810.3	3017.3	3164.4	3311.7	3217.9	3124.2
2144.2	32.5°	2196.4	2248.5	2395.7	2543.0	2777.1	3011.3	3212.9	3414.5	3321.6	3228.8
2329.2	35°	2341.3	2353.5	2455.7	2558.0	2801.9	3046.0	3292.6	3539.4	3450.5	3361.6
2823.5	37.5°	2768.0	2712.4	2719.0	2725.6	2947.4	3169.2	3459.4	3749.7	3636.3	3523.0
3609.3	40°	3474.2	3339.1	3222.7	3106.3	3271.2	3436.2	3751.8	4067.5	3902.3	3737.1
4671.8	42.5°	4426.1	4180.3	3926.4	3672.5	3767.5	3862.5	4175.7	4488.9	4250.5	4012.1
5984.0	45°	5580.1	5176.3	4769.5	4362.8	4404.7	4446.6	4728.0	5009.4	4687.8	4366.1
7451.4	47.5°	6860.3	6269.2	5682.6	5095.8	5104.3	5112.8	5386.5	5660.2	5207.6	4754.9
8913.1	50°	8132.8	7352.6	6596.3	5840.1	5838.7	5837.2	6175.2	6513.3	5830.9	5148.5
10328.4	52.5°	9363.1	8397.7	7494.4	6591.1	6632.5	6673.9	7083.2	7492.6	6485.7	5478.8
11716.0	55°	10565.1	9414.2	8408.9	7403.5	7564.9	7726.3	8130.7	8535.2	7066.2	5597.4
13033.0	57.5°	11729.5	10425.9	9410.8	8395.7	8719.2	9042.9	9263.2	9483.4	7477.6	5471.9
14649.7	60°	13254.0	11858.3	10897.7	9937.0	10338.9	10740.8	10398.6	10056.5	7580.5	5104.3
15960.2	62.5°	14632.4	13304.5	12424.4	11544.4	11589.7	11635.0	10700.3	9765.5	7147.5	4529.5
16096.8	65°	14809.2	13521.6	12403.1	11284.8	11111.3	10937.7	10060.4	9183.1	6535.0	3886.9
15150.9	67.5°	13857.7	12564.6	11399.4	10234.1	10152.8	10071.4	9237.0	8402.6	5806.0	3209.5
13662.6	70°	12549.9	11437.0	10395.1	9353.0	9316.5	9280.2	8372.5	7465.0	5010.6	2556.3
11780.3	72.5°	10946.9	10113.5	9298.2	8482.9	8456.8	8430.7	7389.1	6347.6	4148.4	1949.2
9725.6	75°	9138.9	8552.2	7917.9	7283.6	7186.8	7090.0	6012.1	4934.2	3159.9	1385.7
7611.6	77.5°	7195.4	6779.3	6297.1	5814.9	5676.4	5537.9	4531.6	3525.4	2211.7	898.0
5509.8	80°	5291.4	5072.8	4708.8	4344.7	4172.5	4000.4	3153.9	2307.3	1424.9	542.5
3567.0	82.5°	3475.9	3384.8	3134.1	2883.4	2691.1	2498.8	1920.0	1341.2	824.7	308.3
2046.9	85°	1995.2	1943.4	1737.5	1531.6	1368.0	1204.4	897.3	590.1	371.0	151.9
786.4	87.5°	782.1	777.6	674.7	571.7	480.4	389.2	285.9	182.7	121.5	60.3
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°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2325.3	2.5°	2305.9	2286.4	2266.8	2248.1	2229.4	2211.3	2191.2	2174.9	2158.6	2143.9
2439.6	5°	2399.4	2358.8	2318.4	2280.6	2242.8	2207.1	2171.8	2141.1	2110.2	2084.4
2546.0	7.5°	2484.5	2424.6	2364.7	2311.9	2259.2	2210.5	2164.8	2123.9	2083.0	2049.0
2629.0	10°	2547.8	2475.1	2402.3	2339.9	2277.3	2217.3	2168.2	2125.1	2081.9	2047.9
2686.2	12.5°	2594.1	2508.3	2422.5	2351.9	2281.3	2218.1	2172.5	2137.1	2102.0	2079.4
2721.9	15°	2622.0	2523.2	2424.3	2342.6	2260.9	2190.9	2154.4	2137.5	2120.7	2123.7
2739.0	17.5°	2630.0	2515.3	2400.6	2302.2	2203.9	2121.7	2099.2	2105.4	2111.5	2148.5
2752.3	20°	2632.5	2493.5	2354.5	2232.7	2110.8	2015.0	2009.1	2038.0	2066.9	2131.2
2770.3	22.5°	2635.9	2466.8	2297.7	2151.0	2004.3	1895.2	1906.9	1949.6	1992.4	2065.8
2803.0	25°	2649.3	2440.5	2231.7	2059.8	1888.0	1776.3	1807.7	1857.0	1906.3	1972.3
2854.0	27.5°	2677.4	2422.9	2168.4	1976.5	1784.5	1682.8	1721.1	1768.6	1816.2	1870.5
2920.0	30°	2715.8	2414.7	2113.4	1906.8	1700.2	1614.8	1644.8	1682.6	1720.5	1765.5
2988.9	32.5°	2748.9	2404.5	2059.8	1846.7	1633.5	1564.7	1578.1	1600.4	1622.7	1658.7
3067.4	35°	2773.2	2385.3	1997.5	1787.7	1577.9	1520.5	1515.0	1521.1	1527.3	1554.8
3155.3	37.5°	2787.7	2352.4	1917.1	1718.2	1519.3	1469.1	1448.9	1442.1	1435.3	1455.0
3267.0	40°	2796.8	2307.1	1817.5	1635.2	1453.0	1407.5	1376.5	1361.1	1345.7	1359.9
3413.0	42.5°	2814.0	2260.4	1706.9	1543.7	1380.6	1338.7	1299.6	1279.2	1258.8	1270.4
3605.2	45°	2844.3	2216.9	1589.6	1446.5	1303.4	1260.9	1223.1	1203.3	1183.5	1193.1
3810.0	47.5°	2865.2	2181.1	1497.0	1369.6	1242.3	1187.4	1154.9	1138.2	1121.6	1130.8
4000.0	50°	2851.6	2142.0	1432.4	1318.6	1204.7	1132.6	1094.8	1080.0	1065.3	1079.6
4123.4	52.5°	2767.9	2076.0	1384.2	1284.9	1185.7	1102.9	1050.1	1035.4	1020.9	1042.4
4096.2	55°	2595.0	1966.5	1338.1	1260.5	1182.9	1105.9	1026.3	1003.1	980.1	1010.6
3904.9	57.5°	2337.9	1812.2	1286.4	1231.6	1176.8	1108.8	1012.0	978.3	944.7	977.5
3548.7	60°	1993.2	1611.9	1230.5	1187.4	1144.4	1099.5	998.6	955.0	911.3	940.1
3067.2	62.5°	1604.9	1372.1	1139.3	1110.6	1082.1	1076.6	982.9	928.4	873.9	892.2
2575.9	65°	1265.0	1156.3	1047.7	1034.2	1020.7	1021.3	950.0	892.0	834.0	841.0
2094.7	67.5°	979.9	949.0	918.1	925.7	933.1	931.3	891.2	842.9	794.6	792.4
1649.3	70°	742.2	751.0	759.8	794.8	829.7	829.7	816.6	782.2	747.9	740.3
1260.9	72.5°	572.5	599.1	625.8	675.4	725.0	733.3	733.5	709.9	686.4	675.2
915.1	75°	444.6	468.7	492.8	548.4	604.0	642.4	639.1	621.0	602.9	592.2
620.1	77.5°	342.3	358.7	375.1	429.1	483.1	546.4	544.7	530.1	515.6	504.7
399.5	80°	256.6	263.4	270.2	315.9	361.5	437.2	436.9	424.8	412.5	403.4
245.7	82.5°	183.4	184.6	185.9	219.6	253.2	317.8	321.4	315.4	309.5	303.0
131.4	85°	110.9	110.3	109.6	134.3	158.9	206.9	211.6	205.2	198.8	191.6
54.5	87.5°	48.6	48.0	47.4	57.4	67.6	87.5	93.5	90.9	88.4	87.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2129.3	2.5°	2116.5	2103.7	2090.8	2077.9	2068.0	2058.0	2049.9	2041.8	2035.5	2029.2
2058.6	5°	2035.9	2013.1	1992.4	1971.7	1955.8	1939.9	1928.7	1917.6	1909.7	1901.8
2015.0	7.5°	1986.4	1957.7	1932.4	1907.1	1888.2	1869.3	1856.1	1842.8	1833.7	1824.7
2013.9	10°	1983.1	1952.2	1923.7	1895.2	1872.6	1850.0	1835.2	1820.2	1811.6	1803.0
2056.9	12.5°	2032.6	2008.5	1979.0	1949.6	1920.7	1891.8	1872.7	1853.6	1844.0	1834.5
2126.8	15°	2120.5	2114.2	2088.6	2063.1	2021.9	1980.8	1951.7	1922.7	1909.3	1896.1
2185.6	17.5°	2205.3	2224.9	2204.3	2183.7	2129.2	2074.8	2032.0	1989.1	1969.4	1949.6
2195.6	20°	2236.8	2278.0	2268.5	2258.9	2196.6	2134.4	2081.9	2029.5	2004.3	1978.9
2139.4	22.5°	2193.0	2246.6	2252.4	2258.1	2198.6	2139.1	2085.1	2030.9	2004.3	1977.7
2038.4	25°	2091.2	2143.9	2163.7	2183.3	2134.5	2085.8	2037.7	1989.8	1966.7	1943.7
1924.7	27.5°	1967.0	2009.4	2031.3	2053.3	2018.5	1983.9	1946.6	1909.3	1893.8	1878.2
1810.5	30°	1845.6	1880.8	1898.6	1916.5	1890.1	1863.5	1836.9	1810.0	1802.1	1794.1
1694.7	32.5°	1728.4	1762.1	1781.9	1801.8	1777.5	1753.1	1731.8	1710.4	1705.2	1700.1
1582.1	35°	1615.4	1648.8	1672.6	1696.4	1679.1	1661.8	1642.1	1622.5	1614.6	1606.8
1474.6	37.5°	1507.9	1541.2	1570.6	1600.0	1592.0	1584.0	1565.9	1547.7	1533.4	1519.1
1374.1	40°	1406.2	1438.4	1472.2	1506.1	1508.0	1509.9	1494.5	1479.1	1458.2	1437.5
1282.0	42.5°	1312.4	1342.9	1379.5	1416.0	1425.8	1435.6	1422.6	1409.6	1383.7	1357.8
1203.0	45°	1231.9	1260.8	1298.7	1336.6	1350.6	1364.6	1352.9	1341.2	1311.6	1282.0
1139.9	47.5°	1168.2	1196.4	1233.8	1271.1	1287.3	1303.4	1295.3	1287.1	1260.8	1234.4
1094.0	50°	1120.7	1147.3	1180.7	1214.2	1234.9	1255.7	1255.2	1254.8	1233.8	1212.7
1063.8	52.5°	1088.3	1112.7	1143.9	1175.1	1199.7	1224.2	1228.7	1233.1	1215.9	1198.7
1041.0	55°	1067.4	1093.7	1121.1	1148.4	1174.4	1200.4	1206.6	1212.7	1197.7	1182.8
1010.3	57.5°	1041.2	1072.1	1099.2	1126.3	1152.5	1178.7	1184.9	1191.1	1176.0	1160.9
968.8	60°	1004.3	1039.9	1067.3	1094.8	1121.2	1147.5	1154.3	1161.1	1146.3	1131.6
910.4	62.5°	951.8	993.3	1022.6	1051.9	1076.1	1100.2	1106.7	1113.3	1099.9	1086.6
848.0	65°	892.3	936.8	964.8	992.9	1014.1	1035.4	1042.1	1048.7	1035.9	1023.0
790.2	67.5°	831.2	872.2	898.8	925.3	943.7	962.0	968.6	975.0	963.2	951.5
732.6	70°	768.6	804.7	827.6	850.5	867.1	883.7	890.0	896.3	886.7	877.1
664.0	72.5°	692.4	720.7	741.4	762.2	778.4	794.6	802.1	809.6	801.6	793.6
581.4	75°	602.4	623.5	642.3	661.1	675.8	690.6	698.4	706.3	702.4	698.4
493.8	77.5°	511.0	528.1	544.2	560.4	575.9	591.4	598.7	606.0	600.6	595.0
394.3	80°	408.5	422.7	436.3	449.9	461.7	473.4	483.1	492.8	490.4	488.1
296.5	82.5°	295.4	294.2	289.4	284.6	309.8	334.9	351.4	367.9	366.9	365.8
184.4	85°	178.3	172.1	158.9	145.7	169.3	192.9	213.3	233.7	232.0	230.3
85.6	87.5°	85.4	85.1	75.1	65.0	74.9	84.8	93.0	101.3	99.2	97.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2023.5	2.5°	2017.6	2010.4	2017.6	2023.5	2029.2	2035.5	2041.8	2049.9	2058.0	2068.0
1895.8	5°	1889.7	1883.8	1889.7	1895.8	1901.8	1909.7	1917.6	1928.7	1939.9	1955.8
1819.3	7.5°	1813.9	1809.8	1813.9	1819.3	1824.7	1833.7	1842.8	1856.1	1869.3	1888.2
1798.5	10°	1793.9	1792.0	1793.9	1798.5	1803.0	1811.6	1820.2	1835.2	1850.0	1872.6
1830.6	12.5°	1826.7	1826.0	1826.7	1830.6	1834.5	1844.0	1853.6	1872.7	1891.8	1920.7
1891.0	15°	1885.9	1885.5	1885.9	1891.0	1896.1	1909.3	1922.7	1951.7	1980.8	2021.9
1943.2	17.5°	1936.6	1935.6	1936.6	1943.2	1949.6	1969.4	1989.1	2032.0	2074.8	2129.2
1970.9	20°	1962.8	1960.2	1962.8	1970.9	1978.9	2004.3	2029.5	2081.9	2134.4	2196.6
1968.7	22.5°	1959.8	1956.0	1959.8	1968.7	1977.7	2004.3	2030.9	2085.1	2139.1	2198.6
1935.3	25°	1926.9	1922.0	1926.9	1935.3	1943.7	1966.7	1989.8	2037.7	2085.8	2134.5
1874.4	27.5°	1870.6	1869.3	1870.6	1874.4	1878.2	1893.8	1909.3	1946.6	1983.9	2018.5
1794.1	30°	1794.1	1795.4	1794.1	1794.1	1794.1	1802.1	1810.0	1836.9	1863.5	1890.1
1700.7	32.5°	1701.5	1702.8	1701.5	1700.7	1700.1	1705.2	1710.4	1731.8	1753.1	1777.5
1605.1	35°	1603.4	1602.5	1603.4	1605.1	1606.8	1614.6	1622.5	1642.1	1661.8	1679.1
1511.5	37.5°	1504.0	1499.7	1504.0	1511.5	1519.1	1533.4	1547.7	1565.9	1584.0	1592.0
1423.4	40°	1409.5	1401.1	1409.5	1423.4	1437.5	1458.2	1479.1	1494.5	1509.9	1508.0
1337.3	42.5°	1316.9	1303.4	1316.9	1337.3	1357.8	1383.7	1409.6	1422.6	1435.6	1425.8
1258.0	45°	1233.9	1218.5	1233.9	1258.0	1282.0	1311.6	1341.2	1352.9	1364.6	1350.6
1212.2	47.5°	1190.0	1175.1	1190.0	1212.2	1234.4	1260.8	1287.1	1295.3	1303.4	1287.3
1192.1	50°	1171.6	1157.3	1171.6	1192.1	1212.7	1233.8	1254.8	1255.2	1255.7	1234.9
1180.3	52.5°	1162.0	1148.8	1162.0	1180.3	1198.7	1215.9	1233.1	1228.7	1224.2	1199.7
1166.6	55°	1150.5	1138.6	1150.5	1166.6	1182.8	1197.7	1212.7	1206.6	1200.4	1174.4
1144.9	57.5°	1128.8	1116.5	1128.8	1144.9	1160.9	1176.0	1191.1	1184.9	1178.7	1152.5
1115.1	60°	1098.7	1085.9	1098.7	1115.1	1131.6	1146.3	1161.1	1154.3	1147.5	1121.2
1069.3	62.5°	1051.9	1036.6	1051.9	1069.3	1086.6	1099.9	1113.3	1106.7	1100.2	1076.1
1006.2	65°	989.5	976.3	989.5	1006.2	1023.0	1035.9	1048.7	1042.1	1035.4	1014.1
935.9	67.5°	920.2	908.3	920.2	935.9	951.5	963.2	975.0	968.6	962.0	943.7
862.1	70°	847.1	833.5	847.1	862.1	877.1	886.7	896.3	890.0	883.7	867.1
779.3	72.5°	765.1	752.0	765.1	779.3	793.6	801.6	809.6	802.1	794.6	778.4
686.5	75°	674.5	661.9	674.5	686.5	698.4	702.4	706.3	698.4	690.6	675.8
582.9	77.5°	570.8	560.8	570.8	582.9	595.0	600.6	606.0	598.7	591.4	575.9
471.9	80°	455.6	436.7	455.6	471.9	488.1	490.4	492.8	483.1	473.4	461.7
352.1	82.5°	338.3	326.3	338.3	352.1	365.8	366.9	367.9	351.4	334.9	309.8
219.6	85°	208.9	198.0	208.9	219.6	230.3	232.0	233.7	213.3	192.9	169.3
91.6	87.5°	86.0	80.7	86.0	91.6	97.0	99.2	101.3	93.0	84.8	74.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2077.9	2.5°	2090.8	2103.7	2116.5	2129.3	2143.9	2158.6	2174.9	2191.2	2211.3	2229.4
1971.7	5°	1992.4	2013.1	2035.9	2058.6	2084.4	2110.2	2141.1	2171.8	2207.1	2242.8
1907.1	7.5°	1932.4	1957.7	1986.4	2015.0	2049.0	2083.0	2123.9	2164.8	2210.5	2259.2
1895.2	10°	1923.7	1952.2	1983.1	2013.9	2047.9	2081.9	2125.1	2168.2	2217.3	2277.3
1949.6	12.5°	1979.0	2008.5	2032.6	2056.9	2079.4	2102.0	2137.1	2172.5	2218.1	2281.3
2063.1	15°	2088.6	2114.2	2120.5	2126.8	2123.7	2120.7	2137.5	2154.4	2190.9	2260.9
2183.7	17.5°	2204.3	2224.9	2205.3	2185.6	2148.5	2111.5	2105.4	2099.2	2121.7	2203.9
2258.9	20°	2268.5	2278.0	2236.8	2195.6	2131.2	2066.9	2038.0	2009.1	2015.0	2110.8
2258.1	22.5°	2252.4	2246.6	2193.0	2139.4	2065.8	1992.4	1949.6	1906.9	1895.2	2004.3
2183.3	25°	2163.7	2143.9	2091.2	2038.4	1972.3	1906.3	1857.0	1807.7	1776.3	1888.0
2053.3	27.5°	2031.3	2009.4	1967.0	1924.7	1870.5	1816.2	1768.6	1721.1	1682.8	1784.5
1916.5	30°	1898.6	1880.8	1845.6	1810.5	1765.5	1720.5	1682.6	1644.8	1614.8	1700.2
1801.8	32.5°	1781.9	1762.1	1728.4	1694.7	1658.7	1622.7	1600.4	1578.1	1564.7	1633.5
1696.4	35°	1672.6	1648.8	1615.4	1582.1	1554.8	1527.3	1521.1	1515.0	1520.5	1577.9
1600.0	37.5°	1570.6	1541.2	1507.9	1474.6	1455.0	1435.3	1442.1	1448.9	1469.1	1519.3
1506.1	40°	1472.2	1438.4	1406.2	1374.1	1359.9	1345.7	1361.1	1376.5	1407.5	1453.0
1416.0	42.5°	1379.5	1342.9	1312.4	1282.0	1270.4	1258.8	1279.2	1299.6	1338.7	1380.6
1336.6	45°	1298.7	1260.8	1231.9	1203.0	1193.1	1183.5	1203.3	1223.1	1260.9	1303.4
1271.1	47.5°	1233.8	1196.4	1168.2	1139.9	1130.8	1121.6	1138.2	1154.9	1187.4	1242.3
1214.2	50°	1180.7	1147.3	1120.7	1094.0	1079.6	1065.3	1080.0	1094.8	1132.6	1204.7
1175.1	52.5°	1143.9	1112.7	1088.3	1063.8	1042.4	1020.9	1035.4	1050.1	1102.9	1185.7
1148.4	55°	1121.1	1093.7	1067.4	1041.0	1010.6	980.1	1003.1	1026.3	1105.9	1182.9
1126.3	57.5°	1099.2	1072.1	1041.2	1010.3	977.5	944.7	978.3	1012.0	1108.8	1176.8
1094.8	60°	1067.3	1039.9	1004.3	968.8	940.1	911.3	955.0	998.6	1099.5	1144.4
1051.9	62.5°	1022.6	993.3	951.8	910.4	892.2	873.9	928.4	982.9	1076.6	1082.1
992.9	65°	964.8	936.8	892.3	848.0	841.0	834.0	892.0	950.0	1021.3	1020.7
925.3	67.5°	898.8	872.2	831.2	790.2	792.4	794.6	842.9	891.2	931.3	933.1
850.5	70°	827.6	804.7	768.6	732.6	740.3	747.9	782.2	816.6	829.7	829.7
762.2	72.5°	741.4	720.7	692.4	664.0	675.2	686.4	709.9	733.5	733.3	725.0
661.1	75°	642.3	623.5	602.4	581.4	592.2	602.9	621.0	639.1	642.4	604.0
560.4	77.5°	544.2	528.1	511.0	493.8	504.7	515.6	530.1	544.7	546.4	483.1
449.9	80°	436.3	422.7	408.5	394.3	403.4	412.5	424.8	436.9	437.2	361.5
284.6	82.5°	289.4	294.2	295.4	296.5	303.0	309.5	315.4	321.4	317.8	253.2
145.7	85°	158.9	172.1	178.3	184.4	191.6	198.8	205.2	211.6	206.9	158.9
65.0	87.5°	75.1	85.1	85.4	85.6	87.0	88.4	90.9	93.5	87.5	67.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
2214.3	0°	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3	2214.3
2248.1	2.5°	2266.8	2286.4	2305.9	2325.3	2344.7	2363.0	2381.3
2280.6	5°	2318.4	2358.8	2399.4	2439.6	2479.8	2520.2	2560.6
2311.9	7.5°	2364.7	2424.6	2484.5	2546.0	2607.5	2674.1	2740.7
2339.9	10°	2402.3	2475.1	2547.8	2629.0	2710.4	2794.6	2878.8
2351.9	12.5°	2422.5	2508.3	2594.1	2686.2	2778.3	2870.8	2963.3
2342.6	15°	2424.3	2523.2	2622.0	2721.9	2821.8	2918.3	3014.7
2302.2	17.5°	2400.6	2515.3	2630.0	2739.0	2848.0	2945.8	3043.6
2232.7	20°	2354.5	2493.5	2632.5	2752.3	2872.1	2973.8	3075.5
2151.0	22.5°	2297.7	2466.8	2635.9	2770.3	2904.7	3008.6	3112.4
2059.8	25°	2231.7	2440.5	2649.3	2803.0	2956.5	3058.2	3160.0
1976.5	27.5°	2168.4	2422.9	2677.4	2854.0	3030.4	3127.6	3224.6
1906.8	30°	2113.4	2414.7	2715.8	2920.0	3124.2	3217.9	3311.7
1846.7	32.5°	2059.8	2404.5	2748.9	2988.9	3228.8	3321.6	3414.5
1787.7	35°	1997.5	2385.3	2773.2	3067.4	3361.6	3450.5	3539.4
1718.2	37.5°	1917.1	2352.4	2787.7	3155.3	3523.0	3636.3	3749.7
1635.2	40°	1817.5	2307.1	2796.8	3267.0	3737.1	3902.3	4067.5
1543.7	42.5°	1706.9	2260.4	2814.0	3413.0	4012.1	4250.5	4488.9
1446.5	45°	1589.6	2216.9	2844.3	3605.2	4366.1	4687.8	5009.4
1369.6	47.5°	1497.0	2181.1	2865.2	3810.0	4754.9	5207.6	5660.2
1318.6	50°	1432.4	2142.0	2851.6	4000.0	5148.5	5830.9	6513.3
1284.9	52.5°	1384.2	2076.0	2767.9	4123.4	5478.8	6485.7	7492.6
1260.5	55°	1338.1	1966.5	2595.0	4096.2	5597.4	7066.2	8535.2
1231.6	57.5°	1286.4	1812.2	2337.9	3904.9	5471.9	7477.6	9483.4
1187.4	60°	1230.5	1611.9	1993.2	3548.7	5104.3	7580.5	10056.5
1110.6	62.5°	1139.3	1372.1	1604.9	3067.2	4529.5	7147.5	9765.5
1034.2	65°	1047.7	1156.3	1265.0	2575.9	3886.9	6535.0	9183.1
925.7	67.5°	918.1	949.0	979.9	2094.7	3209.5	5806.0	8402.6
794.8	70°	759.8	751.0	742.2	1649.3	2556.3	5010.6	7465.0
675.4	72.5°	625.8	599.1	572.5	1260.9	1949.2	4148.4	6347.6
548.4	75°	492.8	468.7	444.6	915.1	1385.7	3159.9	4934.2
429.1	77.5°	375.1	358.7	342.3	620.1	898.0	2211.7	3525.4
315.9	80°	270.2	263.4	256.6	399.5	542.5	1424.9	2307.3
219.6	82.5°	185.9	184.6	183.4	245.7	308.3	824.7	1341.2
134.3	85°	109.6	110.3	110.9	131.4	151.9	371.0	590.1
57.4	87.5°	47.4	48.0	48.6	54.5	60.3	121.5	182.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)