

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: LUMARK

Report Number: P959231

Luminaire Tested: **NAV-SB1A-727-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959231
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: LUMARK
Catalog Number: NAV-SB1A-727-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4250.7 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

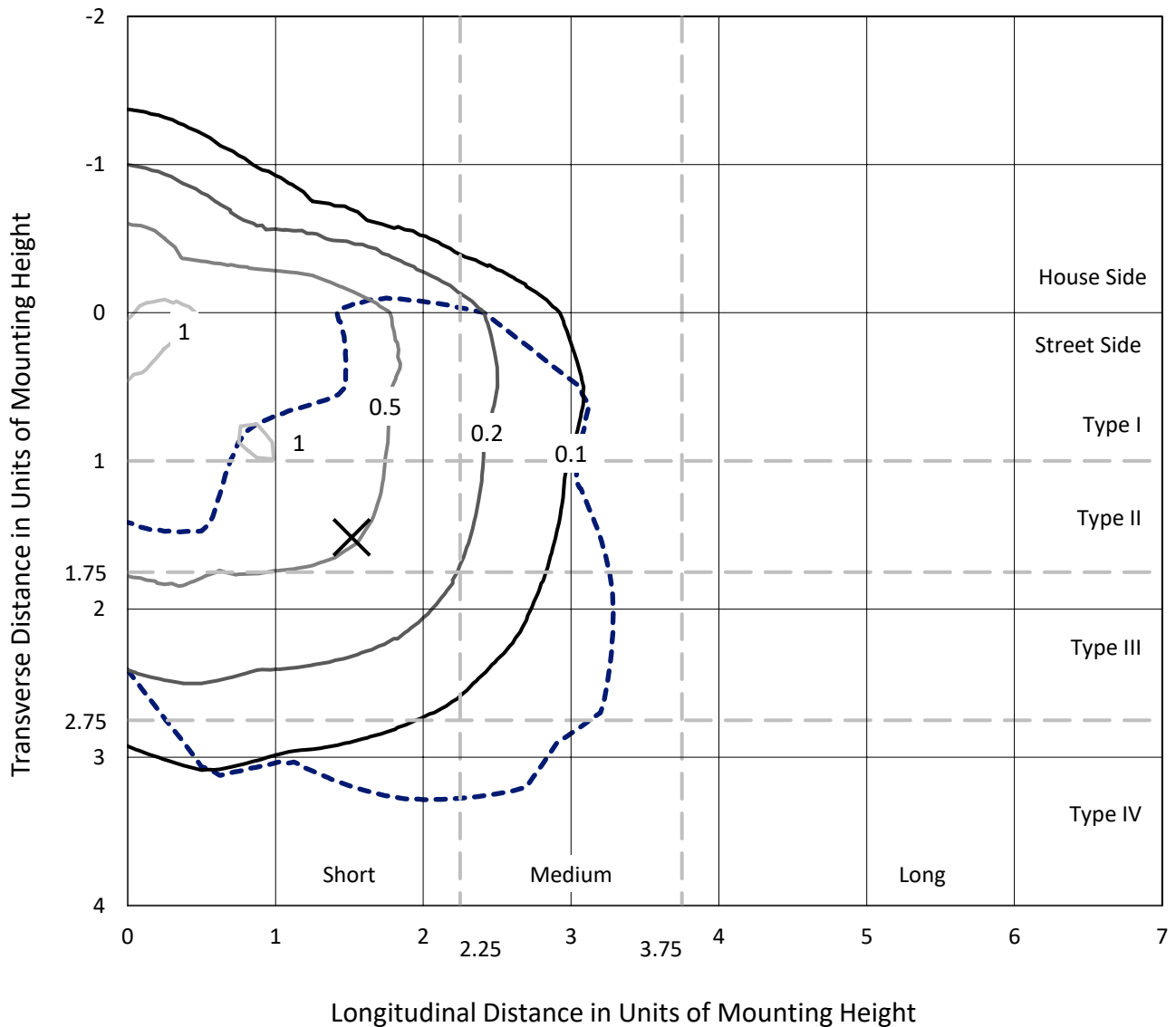
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

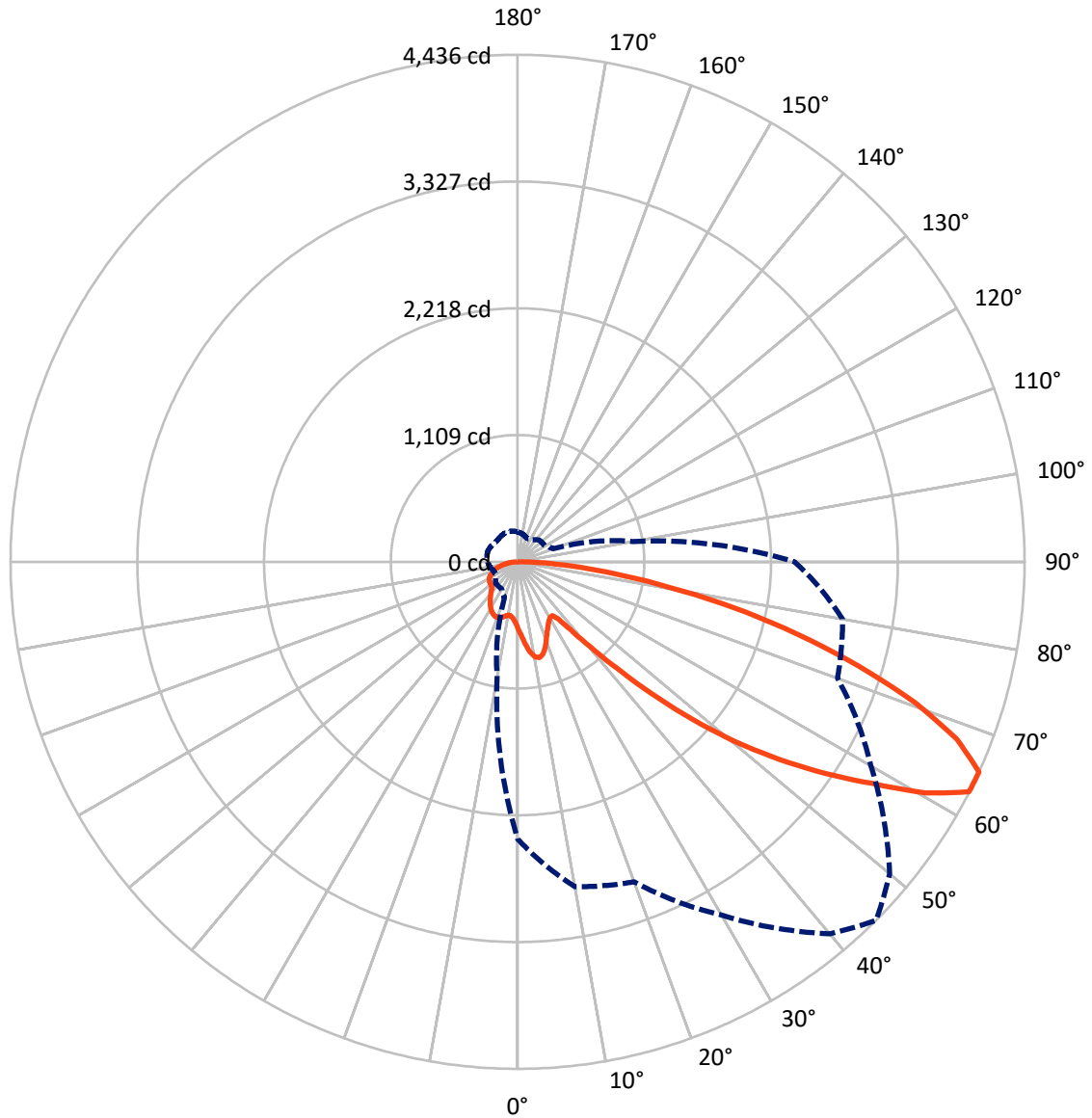
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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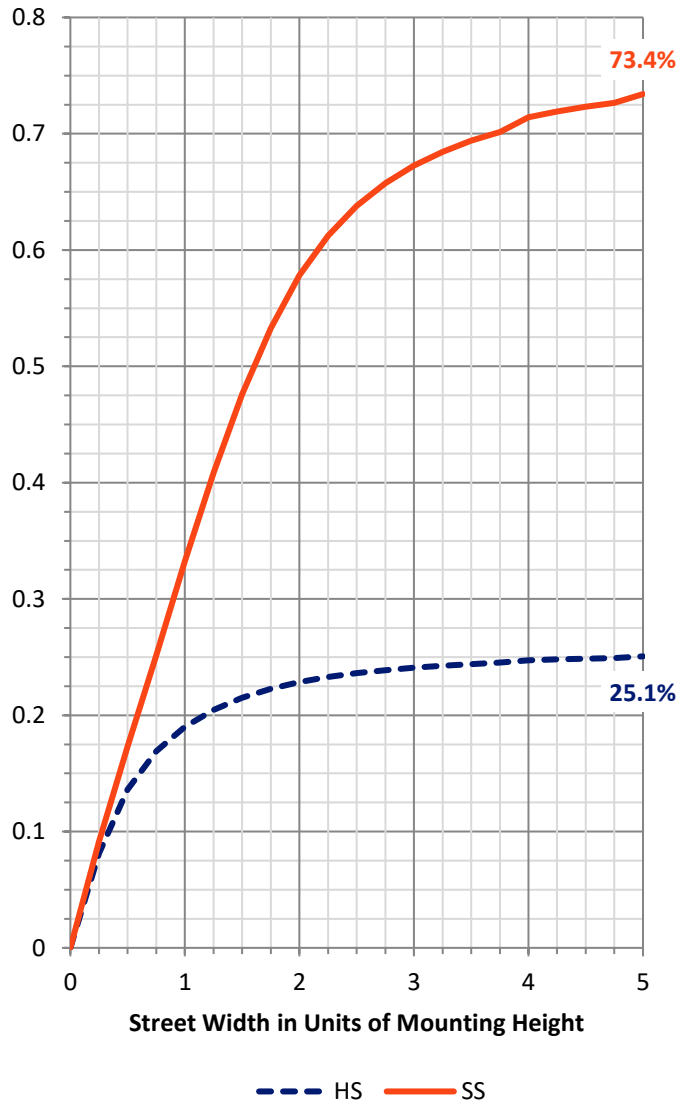
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.3	0.0	1080.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3170.4	0.0	3170.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	4250.7	0.0	4250.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.4
10°-20°	182.0	4.3
20°-30°	281.2	6.6
30°-40°	356.3	8.4
40°-50°	537.4	12.6
50°-60°	868.2	20.4
60°-70°	1082.4	25.5
70°-80°	709.8	16.7
80°-90°	175.5	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4250.7	100.0
0°-180°	4250.7	100.0

Coefficient of Utilization



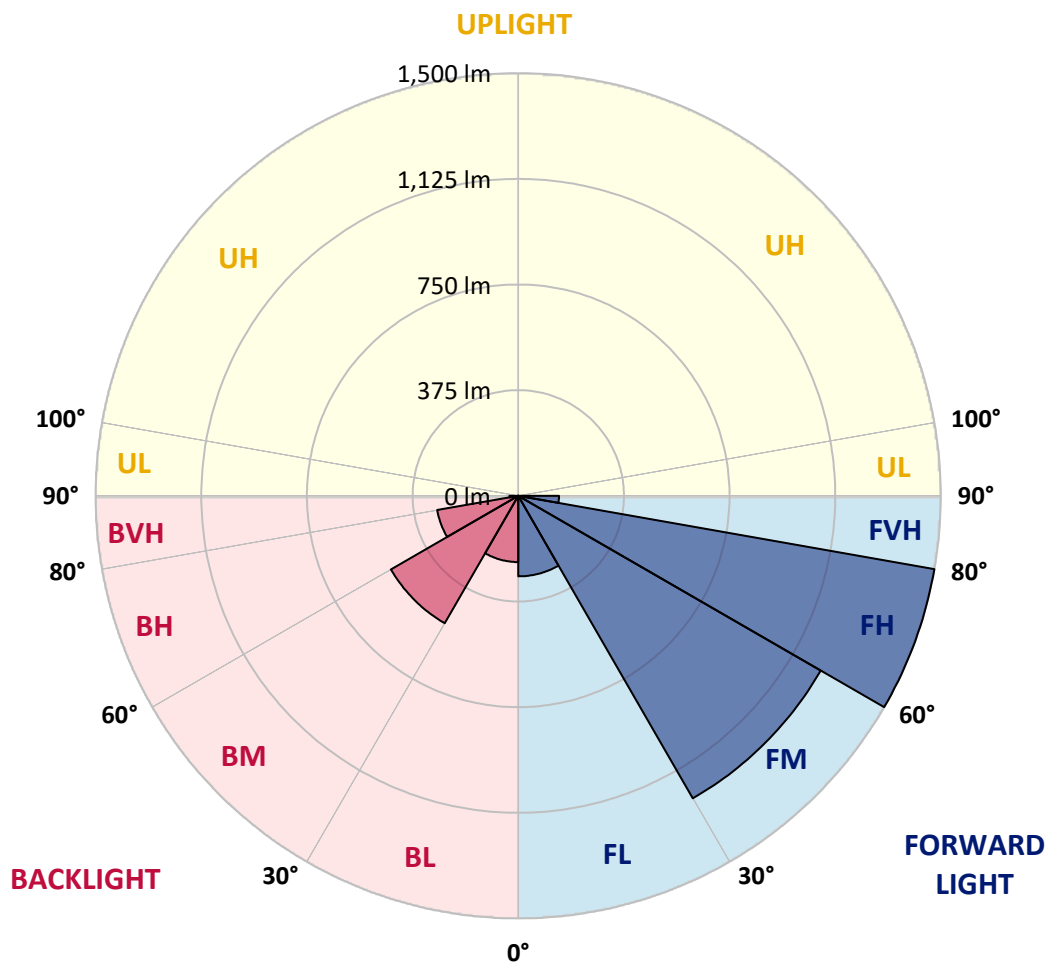
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.9	6.7			
FM (30°-60°)	1239.8	29.2			
FH (60°-80°)	1500.1	35.3			G1/1800
FVH (80°-90°)	144.5	3.4			G2/225
BL (0°-30°)	235.3	5.5	B1/500		
BM (30°-60°)	522.1	12.3	B1/1000		
BH (60°-80°)	292.1	6.9	B1/500		G1/500
BVH (80°-90°)	30.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	628.5	631.0	633.3	636.7	640.1	642.2	644.2	645.1	646.2	645.8	646.2
5°	675.9	684.2	692.6	700.8	709.1	713.6	718.1	720.8	723.5	725.6	723.5
7.5°	723.4	737.0	750.5	762.7	774.9	782.2	789.6	793.6	797.4	799.4	797.4
10°	759.9	775.9	791.9	806.3	820.5	829.1	837.7	841.6	845.4	847.0	845.4
12.5°	782.2	799.6	816.9	829.8	842.8	849.0	855.3	857.4	859.5	859.7	859.5
15°	795.8	810.8	825.7	833.8	841.9	842.1	842.3	840.2	837.9	835.3	837.9
17.5°	803.4	813.5	823.7	823.8	823.9	814.9	805.8	797.4	789.1	783.2	789.1
20°	811.8	815.4	818.9	808.2	797.6	777.6	757.5	742.9	728.3	719.3	728.3
22.5°	821.5	816.9	812.3	790.3	768.2	738.7	709.2	691.0	672.7	662.8	672.7
25°	834.1	819.6	804.9	771.5	738.0	702.1	666.4	647.1	628.0	618.6	628.0
27.5°	851.2	825.1	799.1	754.6	710.3	670.6	630.9	612.0	593.2	584.2	593.2
30°	874.2	835.3	796.4	741.8	687.2	645.9	604.4	586.9	569.4	561.2	569.4
32.5°	901.3	848.1	794.9	733.1	671.3	632.4	593.5	579.7	566.0	560.1	566.0
35°	934.3	869.2	804.0	739.6	675.3	648.2	621.3	618.1	614.8	614.4	614.8
37.5°	989.8	913.2	836.6	778.0	719.4	717.7	716.0	730.6	745.3	753.0	745.3
40°	1073.7	990.4	907.0	863.5	820.0	850.6	881.4	917.1	952.7	970.5	952.7
42.5°	1184.9	1102.3	1019.6	994.6	969.4	1036.5	1103.5	1168.3	1233.2	1271.3	1233.2
45°	1322.4	1248.0	1173.7	1162.7	1151.6	1259.0	1366.4	1472.9	1579.5	1644.3	1579.5
47.5°	1494.1	1421.9	1349.6	1347.4	1345.1	1500.0	1654.9	1810.9	1967.0	2058.5	1967.0
50°	1719.3	1630.1	1540.9	1541.2	1541.6	1741.3	1940.8	2146.8	2352.8	2477.3	2352.8
52.5°	1977.8	1869.7	1761.7	1750.8	1739.8	1978.2	2216.8	2471.6	2726.4	2875.6	2726.4
55°	2253.1	2146.2	2039.4	1996.9	1954.3	2219.6	2485.0	2788.8	3092.6	3270.2	3092.6
57.5°	2503.4	2445.1	2387.0	2301.6	2216.2	2484.2	2752.1	3096.2	3440.3	3660.5	3440.3
60°	2654.6	2745.0	2835.3	2729.2	2623.1	2876.7	3130.2	3498.6	3867.0	4105.0	3867.0
62.5°	2577.8	2824.5	3071.3	3059.3	3047.3	3279.6	3512.0	3862.5	4213.0	4432.9	4213.0
65°	2424.0	2655.6	2887.2	2933.0	2978.9	3274.1	3569.3	3909.1	4249.0	4436.3	4249.0
67.5°	2218.0	2438.3	2658.5	2680.1	2701.5	3009.1	3316.7	3658.0	3999.3	4146.0	3999.3
70°	1970.6	2210.1	2449.6	2459.3	2468.9	2743.9	3019.0	3312.8	3606.5	3688.1	3606.5
72.5°	1675.6	1950.5	2225.4	2232.3	2239.2	2454.5	2669.6	2889.7	3109.6	3117.8	3109.6
75°	1302.5	1587.0	1871.5	1897.1	1922.6	2090.1	2257.5	2412.3	2567.2	2525.7	2567.2
77.5°	930.6	1196.2	1461.9	1498.3	1534.9	1662.2	1789.5	1899.3	2009.2	1937.9	2009.2
80°	609.1	832.5	1056.0	1101.4	1146.9	1243.0	1339.1	1396.8	1454.4	1339.7	1454.4
82.5°	354.0	506.8	659.6	710.3	761.2	827.3	893.5	917.6	941.6	851.4	941.6
85°	155.8	236.9	318.0	361.1	404.3	458.7	513.0	526.6	540.3	468.1	540.3
87.5°	48.2	75.4	102.7	126.8	150.9	178.0	205.3	206.4	207.6	174.2	207.6
90°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	645.1	644.2	642.2	640.1	636.7	633.3	631.0	628.5	623.7	618.9	613.8
5°	720.8	718.1	713.6	709.1	700.8	692.6	684.2	675.9	665.2	654.6	644.0
7.5°	793.6	789.6	782.2	774.9	762.7	750.5	737.0	723.4	705.9	688.3	672.1
10°	841.6	837.7	829.1	820.5	806.3	791.9	775.9	759.9	737.7	715.4	694.0
12.5°	857.4	855.3	849.0	842.8	829.8	816.9	799.6	782.2	757.8	733.4	709.1
15°	840.2	842.3	842.1	841.9	833.8	825.7	810.8	795.8	770.3	744.9	718.5
17.5°	797.4	805.8	814.9	823.9	823.8	823.7	813.5	803.4	777.6	751.7	723.0
20°	742.9	757.5	777.6	797.6	808.2	818.9	815.4	811.8	785.0	758.2	726.5
22.5°	691.0	709.2	738.7	768.2	790.3	812.3	816.9	821.5	794.2	766.7	731.2
25°	647.1	666.4	702.1	738.0	771.5	804.9	819.6	834.1	807.3	780.4	739.8
27.5°	612.0	630.9	670.6	710.3	754.6	799.1	825.1	851.2	825.5	799.9	753.4
30°	586.9	604.4	645.9	687.2	741.8	796.4	835.3	874.2	849.4	824.7	770.8
32.5°	579.7	593.5	632.4	671.3	733.1	794.9	848.1	901.3	876.8	852.3	788.9
35°	618.1	621.3	648.2	675.3	739.6	804.0	869.2	934.3	910.8	887.3	809.6
37.5°	730.6	716.0	717.7	719.4	778.0	836.6	913.2	989.8	959.9	930.0	832.9
40°	917.1	881.4	850.6	820.0	863.5	907.0	990.4	1073.7	1030.1	986.5	862.3
42.5°	1168.3	1103.5	1036.5	969.4	994.6	1019.6	1102.3	1184.9	1122.0	1059.0	901.0
45°	1472.9	1366.4	1259.0	1151.6	1162.7	1173.7	1248.0	1322.4	1237.4	1152.5	951.7
47.5°	1810.9	1654.9	1500.0	1345.1	1347.4	1349.6	1421.9	1494.1	1374.6	1255.1	1005.7
50°	2146.8	1940.8	1741.3	1541.6	1541.2	1540.9	1630.1	1719.3	1539.1	1359.0	1055.9
52.5°	2471.6	2216.8	1978.2	1739.8	1750.8	1761.7	1869.7	1977.8	1712.1	1446.3	1088.4
55°	2788.8	2485.0	2219.6	1954.3	1996.9	2039.4	2146.2	2253.1	1865.3	1477.5	1081.3
57.5°	3096.2	2752.1	2484.2	2216.2	2301.6	2387.0	2445.1	2503.4	1973.8	1444.4	1030.7
60°	3498.6	3130.2	2876.7	2623.1	2729.2	2835.3	2745.0	2654.6	2001.0	1347.4	936.7
62.5°	3862.5	3512.0	3279.6	3047.3	3059.3	3071.3	2824.5	2577.8	1886.7	1195.7	809.6
65°	3909.1	3569.3	3274.1	2978.9	2933.0	2887.2	2655.6	2424.0	1725.1	1026.0	680.0
67.5°	3658.0	3316.7	3009.1	2701.5	2680.1	2658.5	2438.3	2218.0	1532.6	847.2	552.9
70°	3312.8	3019.0	2743.9	2468.9	2459.3	2449.6	2210.1	1970.6	1322.7	674.8	435.3
72.5°	2889.7	2669.6	2454.5	2239.2	2232.3	2225.4	1950.5	1675.6	1095.0	514.6	332.8
75°	2412.3	2257.5	2090.1	1922.6	1897.1	1871.5	1587.0	1302.5	834.1	365.8	241.6
77.5°	1899.3	1789.5	1662.2	1534.9	1498.3	1461.9	1196.2	930.6	583.8	237.1	163.7
80°	1396.8	1339.1	1243.0	1146.9	1101.4	1056.0	832.5	609.1	376.2	143.2	105.5
82.5°	917.6	893.5	827.3	761.2	710.3	659.6	506.8	354.0	217.7	81.4	64.9
85°	526.6	513.0	458.7	404.3	361.1	318.0	236.9	155.8	97.9	40.1	34.6
87.5°	206.4	205.3	178.0	150.9	126.8	102.7	75.4	48.2	32.1	15.9	14.3
90°	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	608.6	603.5	598.4	593.5	588.5	583.7	578.4	574.1	569.8	565.9	562.1
5°	633.3	622.7	612.0	602.0	592.0	582.6	573.3	565.2	557.0	550.2	543.5
7.5°	655.8	640.0	624.2	610.3	596.3	583.5	571.4	560.7	549.8	540.9	531.9
10°	672.5	653.3	634.2	617.7	601.2	585.3	572.4	561.0	549.6	540.6	531.7
12.5°	684.8	662.2	639.5	620.8	602.2	585.5	573.5	564.2	554.8	548.9	542.9
15°	692.1	666.0	639.9	618.4	596.8	578.3	568.7	564.3	559.8	560.6	561.4
17.5°	694.2	664.0	633.7	607.7	581.8	560.1	554.1	555.8	557.4	567.1	577.0
20°	694.9	658.3	621.6	589.4	557.2	531.9	530.3	537.9	545.6	562.5	579.5
22.5°	695.8	651.2	606.5	567.7	529.1	500.3	503.4	514.7	525.9	545.3	564.7
25°	699.4	644.2	589.1	543.8	498.4	468.8	477.1	490.2	503.2	520.6	538.1
27.5°	706.7	639.6	572.4	521.7	471.1	444.2	454.3	466.9	479.4	493.7	508.1
30°	716.9	637.3	557.9	503.4	448.8	426.3	434.2	444.1	454.2	466.1	478.0
32.5°	725.6	634.7	543.8	487.5	431.2	413.1	416.6	422.4	428.3	437.9	447.3
35°	732.1	629.7	527.3	471.9	416.6	401.4	400.0	401.5	403.1	410.4	417.6
37.5°	735.8	620.9	506.0	453.6	401.1	387.8	382.4	380.7	378.8	384.1	389.3
40°	738.3	609.0	479.8	431.6	383.6	371.6	363.4	359.3	355.3	359.0	362.7
42.5°	742.8	596.7	450.6	407.5	364.4	353.4	343.1	337.6	332.3	335.4	338.5
45°	750.8	585.2	419.6	381.8	344.1	332.8	322.9	317.6	312.4	315.0	317.5
47.5°	756.3	575.7	395.1	361.5	327.9	313.4	304.8	300.4	296.0	298.5	300.8
50°	752.8	565.4	378.1	348.1	318.0	299.0	289.0	285.1	281.3	285.0	288.7
52.5°	730.6	548.0	365.4	339.2	313.0	291.1	277.2	273.4	269.5	275.1	280.8
55°	685.0	519.1	353.2	332.7	312.2	291.9	270.9	264.8	258.7	266.8	274.8
57.5°	617.2	478.4	339.6	325.1	310.7	292.7	267.1	258.3	249.4	258.0	266.7
60°	526.1	425.5	324.8	313.4	302.1	290.3	263.6	252.0	240.6	248.2	255.7
62.5°	423.6	362.2	300.7	293.2	285.7	284.1	259.4	245.1	230.7	235.5	240.4
65°	333.9	305.2	276.5	273.0	269.4	269.6	250.7	235.4	220.2	222.0	223.9
67.5°	258.6	250.5	242.3	244.4	246.3	245.8	235.2	222.5	209.7	209.2	208.6
70°	195.9	198.2	200.6	209.8	219.0	219.0	215.6	206.4	197.4	195.4	193.4
72.5°	151.1	158.2	165.2	178.2	191.4	193.5	193.6	187.4	181.2	178.2	175.3
75°	117.4	123.7	130.1	144.7	159.4	169.5	168.7	163.9	159.2	156.3	153.4
77.5°	90.3	94.7	99.0	113.3	127.5	144.2	143.8	139.9	136.1	133.2	130.4
80°	67.8	69.5	71.3	83.4	95.4	115.4	115.3	112.1	108.9	106.5	104.0
82.5°	48.4	48.7	49.1	57.9	66.8	83.8	84.9	83.2	81.7	79.9	78.3
85°	29.3	29.1	28.9	35.5	41.9	54.6	55.9	54.1	52.5	50.5	48.7
87.5°	12.8	12.7	12.5	15.2	17.8	23.1	24.7	24.0	23.4	23.0	22.7
90°	0.0	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	558.7	555.3	551.9	548.5	545.9	543.2	541.1	538.9	537.3	535.7	534.1
5°	537.4	531.4	525.9	520.5	516.3	512.1	509.1	506.1	504.1	502.0	500.4
7.5°	524.4	516.8	510.0	503.4	498.5	493.4	489.9	486.5	484.0	481.6	480.2
10°	523.5	515.3	507.8	500.3	494.4	488.3	484.4	480.5	478.2	475.9	474.8
12.5°	536.6	530.1	522.4	514.7	507.0	499.4	494.4	489.3	486.8	484.2	483.2
15°	559.8	558.1	551.3	544.6	533.7	522.9	515.2	507.5	504.0	500.5	499.2
17.5°	582.1	587.3	581.9	576.5	562.0	547.7	536.4	525.1	519.9	514.7	512.9
20°	590.4	601.4	598.8	596.2	579.8	563.4	549.6	535.8	529.1	522.3	520.3
22.5°	578.9	593.1	594.6	596.0	580.4	564.7	550.4	536.1	529.1	522.0	519.7
25°	552.0	565.9	571.1	576.4	563.4	550.6	537.9	525.2	519.2	513.1	510.9
27.5°	519.3	530.4	536.2	542.0	532.8	523.7	513.8	504.0	499.9	495.8	494.8
30°	487.2	496.5	501.2	505.9	498.9	491.9	484.8	477.8	475.7	473.6	473.6
32.5°	456.2	465.1	470.4	475.6	469.2	462.8	457.2	451.5	450.2	448.7	449.0
35°	426.4	435.2	441.5	447.8	443.2	438.7	433.5	428.2	426.2	424.1	423.7
37.5°	398.0	406.8	414.6	422.3	420.2	418.1	413.4	408.6	404.8	401.0	399.0
40°	371.2	379.7	388.6	397.6	398.1	398.5	394.5	390.4	384.9	379.5	375.8
42.5°	346.4	354.4	364.2	373.8	376.4	378.9	375.6	372.1	365.3	358.4	353.0
45°	325.1	332.8	342.8	352.8	356.5	360.2	357.1	354.0	346.2	338.5	332.1
47.5°	308.3	315.8	325.6	335.6	339.8	344.1	341.9	339.8	332.8	325.8	320.0
50°	295.8	302.9	311.7	320.5	326.0	331.5	331.3	331.3	325.6	320.1	314.7
52.5°	287.3	293.7	302.0	310.2	316.7	323.2	324.3	325.5	320.9	316.4	311.6
55°	281.8	288.7	295.9	303.1	310.0	316.9	318.5	320.1	316.2	312.2	307.9
57.5°	274.8	283.0	290.2	297.2	304.2	311.1	312.7	314.4	310.4	306.5	302.2
60°	265.1	274.5	281.8	289.0	295.9	302.9	304.7	306.5	302.6	298.7	294.4
62.5°	251.2	262.2	270.0	277.7	284.0	290.4	292.1	293.9	290.4	286.8	282.3
65°	235.5	247.3	254.7	262.1	267.7	273.3	275.1	276.9	273.5	270.1	265.6
67.5°	219.5	230.2	237.3	244.3	249.1	253.9	255.6	257.4	254.3	251.1	247.0
70°	202.8	212.4	218.4	224.5	228.9	233.3	234.9	236.6	234.0	231.5	227.6
72.5°	182.8	190.2	195.7	201.2	205.5	209.7	211.8	213.7	211.6	209.5	205.7
75°	159.0	164.6	169.5	174.5	178.5	182.3	184.4	186.4	185.4	184.4	181.2
77.5°	134.9	139.4	143.7	147.9	152.0	156.1	158.1	160.0	158.6	157.0	153.9
80°	107.8	111.6	115.2	118.8	121.9	124.9	127.5	130.1	129.5	128.8	124.5
82.5°	78.0	77.7	76.4	75.1	81.8	88.5	92.8	97.1	96.9	96.6	93.0
85°	47.0	45.4	41.9	38.4	44.7	50.9	56.3	61.7	61.2	60.8	57.9
87.5°	22.5	22.4	19.8	17.1	19.8	22.3	24.6	26.8	26.2	25.6	24.2
90°	0.0	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	532.6	530.6	532.6	534.1	535.7	537.3	538.9	541.1	543.2	545.9	548.5
5°	498.9	497.2	498.9	500.4	502.0	504.1	506.1	509.1	512.1	516.3	520.5
7.5°	478.8	477.8	478.8	480.2	481.6	484.0	486.5	489.9	493.4	498.5	503.4
10°	473.6	473.0	473.6	474.8	475.9	478.2	480.5	484.4	488.3	494.4	500.3
12.5°	482.2	482.0	482.2	483.2	484.2	486.8	489.3	494.4	499.4	507.0	514.7
15°	497.8	497.7	497.8	499.2	500.5	504.0	507.5	515.2	522.9	533.7	544.6
17.5°	511.2	511.0	511.2	512.9	514.7	519.9	525.1	536.4	547.7	562.0	576.5
20°	518.1	517.4	518.1	520.3	522.3	529.1	535.8	549.6	563.4	579.8	596.2
22.5°	517.3	516.3	517.3	519.7	522.0	529.1	536.1	550.4	564.7	580.4	596.0
25°	508.6	507.4	508.6	510.9	513.1	519.2	525.2	537.9	550.6	563.4	576.4
27.5°	493.7	493.4	493.7	494.8	495.8	499.9	504.0	513.8	523.7	532.8	542.0
30°	473.6	474.0	473.6	473.6	473.6	475.7	477.8	484.8	491.9	498.9	505.9
32.5°	449.2	449.5	449.2	449.0	448.7	450.2	451.5	457.2	462.8	469.2	475.6
35°	423.2	423.0	423.2	423.7	424.1	426.2	428.2	433.5	438.7	443.2	447.8
37.5°	397.0	395.9	397.0	399.0	401.0	404.8	408.6	413.4	418.1	420.2	422.3
40°	372.1	369.8	372.1	375.8	379.5	384.9	390.4	394.5	398.5	398.1	397.6
42.5°	347.6	344.1	347.6	353.0	358.4	365.3	372.1	375.6	378.9	376.4	373.8
45°	325.7	321.6	325.7	332.1	338.5	346.2	354.0	357.1	360.2	356.5	352.8
47.5°	314.2	310.2	314.2	320.0	325.8	332.8	339.8	341.9	344.1	339.8	335.6
50°	309.2	305.4	309.2	314.7	320.1	325.6	331.3	331.3	331.5	326.0	320.5
52.5°	306.7	303.2	306.7	311.6	316.4	320.9	325.5	324.3	323.2	316.7	310.2
55°	303.7	300.5	303.7	307.9	312.2	316.2	320.1	318.5	316.9	310.0	303.1
57.5°	298.0	294.7	298.0	302.2	306.5	310.4	314.4	312.7	311.1	304.2	297.2
60°	290.0	286.7	290.0	294.4	298.7	302.6	306.5	304.7	302.9	295.9	289.0
62.5°	277.7	273.7	277.7	282.3	286.8	290.4	293.9	292.1	290.4	284.0	277.7
65°	261.2	257.7	261.2	265.6	270.1	273.5	276.9	275.1	273.3	267.7	262.1
67.5°	242.9	239.7	242.9	247.0	251.1	254.3	257.4	255.6	253.9	249.1	244.3
70°	223.7	220.1	223.7	227.6	231.5	234.0	236.6	234.9	233.3	228.9	224.5
72.5°	201.9	198.5	201.9	205.7	209.5	211.6	213.7	211.8	209.7	205.5	201.2
75°	178.0	174.8	178.0	181.2	184.4	185.4	186.4	184.4	182.3	178.5	174.5
77.5°	150.7	148.0	150.7	153.9	157.0	158.6	160.0	158.1	156.1	152.0	147.9
80°	120.2	115.3	120.2	124.5	128.8	129.5	130.1	127.5	124.9	121.9	118.8
82.5°	89.3	86.1	89.3	93.0	96.6	96.9	97.1	92.8	88.5	81.8	75.1
85°	55.1	52.3	55.1	57.9	60.8	61.2	61.7	56.3	50.9	44.7	38.4
87.5°	22.7	21.3	22.7	24.2	25.6	26.2	26.8	24.6	22.3	19.8	17.1
90°	0.0	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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	551.9	555.3	558.7	562.1	565.9	569.8	574.1	578.4	583.7	588.5	593.5
5°	525.9	531.4	537.4	543.5	550.2	557.0	565.2	573.3	582.6	592.0	602.0
7.5°	510.0	516.8	524.4	531.9	540.9	549.8	560.7	571.4	583.5	596.3	610.3
10°	507.8	515.3	523.5	531.7	540.6	549.6	561.0	572.4	585.3	601.2	617.7
12.5°	522.4	530.1	536.6	542.9	548.9	554.8	564.2	573.5	585.5	602.2	620.8
15°	551.3	558.1	559.8	561.4	560.6	559.8	564.3	568.7	578.3	596.8	618.4
17.5°	581.9	587.3	582.1	577.0	567.1	557.4	555.8	554.1	560.1	581.8	607.7
20°	598.8	601.4	590.4	579.5	562.5	545.6	537.9	530.3	531.9	557.2	589.4
22.5°	594.6	593.1	578.9	564.7	545.3	525.9	514.7	503.4	500.3	529.1	567.7
25°	571.1	565.9	552.0	538.1	520.6	503.2	490.2	477.1	468.8	498.4	543.8
27.5°	536.2	530.4	519.3	508.1	493.7	479.4	466.9	454.3	444.2	471.1	521.7
30°	501.2	496.5	487.2	478.0	466.1	454.2	444.1	434.2	426.3	448.8	503.4
32.5°	470.4	465.1	456.2	447.3	437.9	428.3	422.4	416.6	413.1	431.2	487.5
35°	441.5	435.2	426.4	417.6	410.4	403.1	401.5	400.0	401.4	416.6	471.9
37.5°	414.6	406.8	398.0	389.3	384.1	378.8	380.7	382.4	387.8	401.1	453.6
40°	388.6	379.7	371.2	362.7	359.0	355.3	359.3	363.4	371.6	383.6	431.6
42.5°	364.2	354.4	346.4	338.5	335.4	332.3	337.6	343.1	353.4	364.4	407.5
45°	342.8	332.8	325.1	317.5	315.0	312.4	317.6	322.9	332.8	344.1	381.8
47.5°	325.6	315.8	308.3	300.8	298.5	296.0	300.4	304.8	313.4	327.9	361.5
50°	311.7	302.9	295.8	288.7	285.0	281.3	285.1	289.0	299.0	318.0	348.1
52.5°	302.0	293.7	287.3	280.8	275.1	269.5	273.4	277.2	291.1	313.0	339.2
55°	295.9	288.7	281.8	274.8	266.8	258.7	264.8	270.9	291.9	312.2	332.7
57.5°	290.2	283.0	274.8	266.7	258.0	249.4	258.3	267.1	292.7	310.7	325.1
60°	281.8	274.5	265.1	255.7	248.2	240.6	252.0	263.6	290.3	302.1	313.4
62.5°	270.0	262.2	251.2	240.4	235.5	230.7	245.1	259.4	284.1	285.7	293.2
65°	254.7	247.3	235.5	223.9	222.0	220.2	235.4	250.7	269.6	269.4	273.0
67.5°	237.3	230.2	219.5	208.6	209.2	209.7	222.5	235.2	245.8	246.3	244.4
70°	218.4	212.4	202.8	193.4	195.4	197.4	206.4	215.6	219.0	219.0	209.8
72.5°	195.7	190.2	182.8	175.3	178.2	181.2	187.4	193.6	193.5	191.4	178.2
75°	169.5	164.6	159.0	153.4	156.3	159.2	163.9	168.7	169.5	159.4	144.7
77.5°	143.7	139.4	134.9	130.4	133.2	136.1	139.9	143.8	144.2	127.5	113.3
80°	115.2	111.6	107.8	104.0	106.5	108.9	112.1	115.3	115.4	95.4	83.4
82.5°	76.4	77.7	78.0	78.3	79.9	81.7	83.2	84.9	83.8	66.8	57.9
85°	41.9	45.4	47.0	48.7	50.5	52.5	54.1	55.9	54.6	41.9	35.5
87.5°	19.8	22.4	22.5	22.7	23.0	23.4	24.0	24.7	23.1	17.8	15.2
90°	0.0	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):

	330°	335°	340°	345°	350°	355°	360°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	598.4	603.5	608.6	613.8	618.9	623.7	628.5
5°	612.0	622.7	633.3	644.0	654.6	665.2	675.9
7.5°	624.2	640.0	655.8	672.1	688.3	705.9	723.4
10°	634.2	653.3	672.5	694.0	715.4	737.7	759.9
12.5°	639.5	662.2	684.8	709.1	733.4	757.8	782.2
15°	639.9	666.0	692.1	718.5	744.9	770.3	795.8
17.5°	633.7	664.0	694.2	723.0	751.7	777.6	803.4
20°	621.6	658.3	694.9	726.5	758.2	785.0	811.8
22.5°	606.5	651.2	695.8	731.2	766.7	794.2	821.5
25°	589.1	644.2	699.4	739.8	780.4	807.3	834.1
27.5°	572.4	639.6	706.7	753.4	799.9	825.5	851.2
30°	557.9	637.3	716.9	770.8	824.7	849.4	874.2
32.5°	543.8	634.7	725.6	788.9	852.3	876.8	901.3
35°	527.3	629.7	732.1	809.6	887.3	910.8	934.3
37.5°	506.0	620.9	735.8	832.9	930.0	959.9	989.8
40°	479.8	609.0	738.3	862.3	986.5	1030.1	1073.7
42.5°	450.6	596.7	742.8	901.0	1059.0	1122.0	1184.9
45°	419.6	585.2	750.8	951.7	1152.5	1237.4	1322.4
47.5°	395.1	575.7	756.3	1005.7	1255.1	1374.6	1494.1
50°	378.1	565.4	752.8	1055.9	1359.0	1539.1	1719.3
52.5°	365.4	548.0	730.6	1088.4	1446.3	1712.1	1977.8
55°	353.2	519.1	685.0	1081.3	1477.5	1865.3	2253.1
57.5°	339.6	478.4	617.2	1030.7	1444.4	1973.8	2503.4
60°	324.8	425.5	526.1	936.7	1347.4	2001.0	2654.6
62.5°	300.7	362.2	423.6	809.6	1195.7	1886.7	2577.8
65°	276.5	305.2	333.9	680.0	1026.0	1725.1	2424.0
67.5°	242.3	250.5	258.6	552.9	847.2	1532.6	2218.0
70°	200.6	198.2	195.9	435.3	674.8	1322.7	1970.6
72.5°	165.2	158.2	151.1	332.8	514.6	1095.0	1675.6
75°	130.1	123.7	117.4	241.6	365.8	834.1	1302.5
77.5°	99.0	94.7	90.3	163.7	237.1	583.8	930.6
80°	71.3	69.5	67.8	105.5	143.2	376.2	609.1
82.5°	49.1	48.7	48.4	64.9	81.4	217.7	354.0
85°	28.9	29.1	29.3	34.6	40.1	97.9	155.8
87.5°	12.5	12.7	12.8	14.3	15.9	32.1	48.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)