

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: P959200

Luminaire Tested: **NAV-SB1A-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959200
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-722-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3786.4 lumens
Efficiency: N/A
Efficacy: 122.5 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

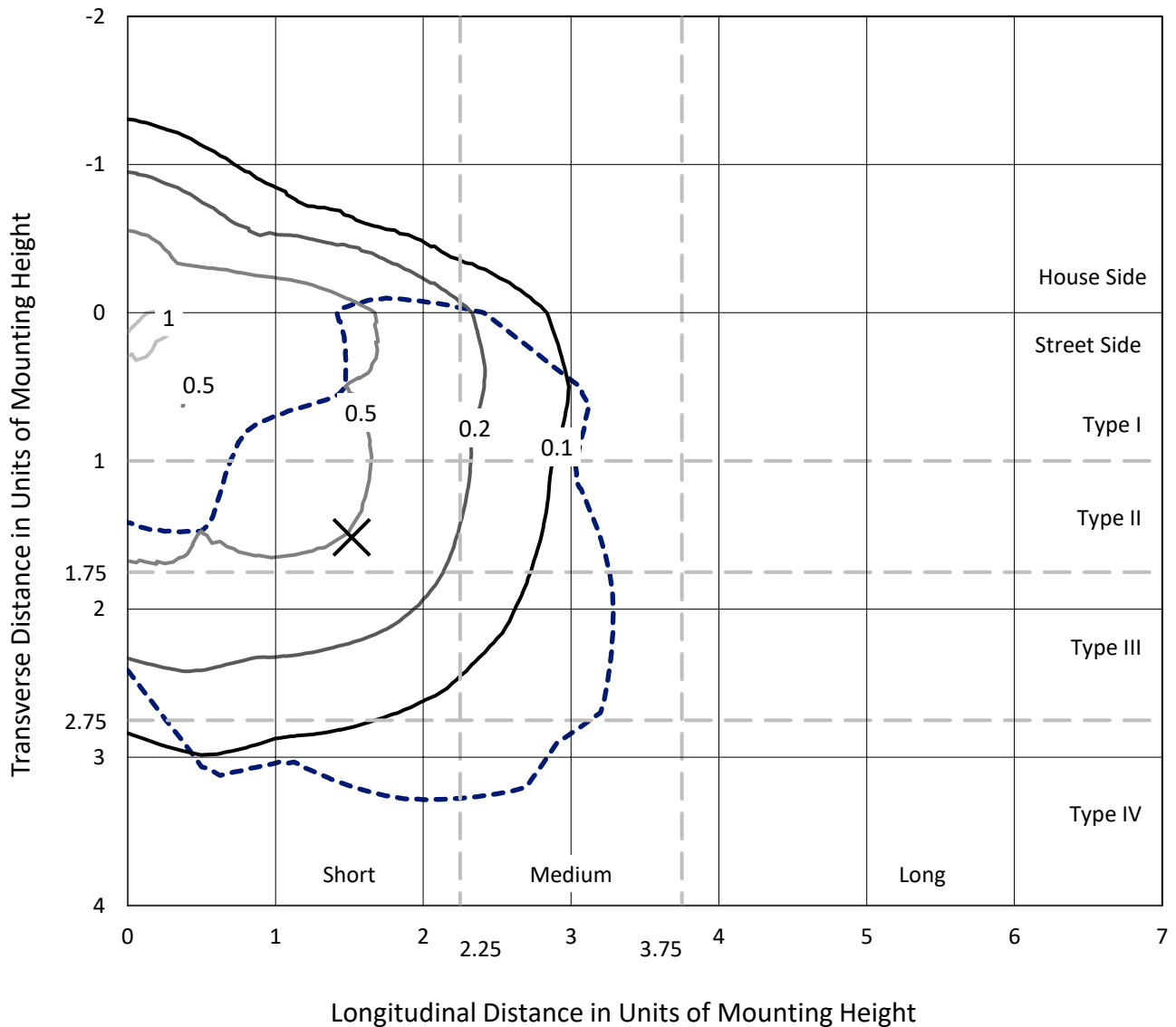
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

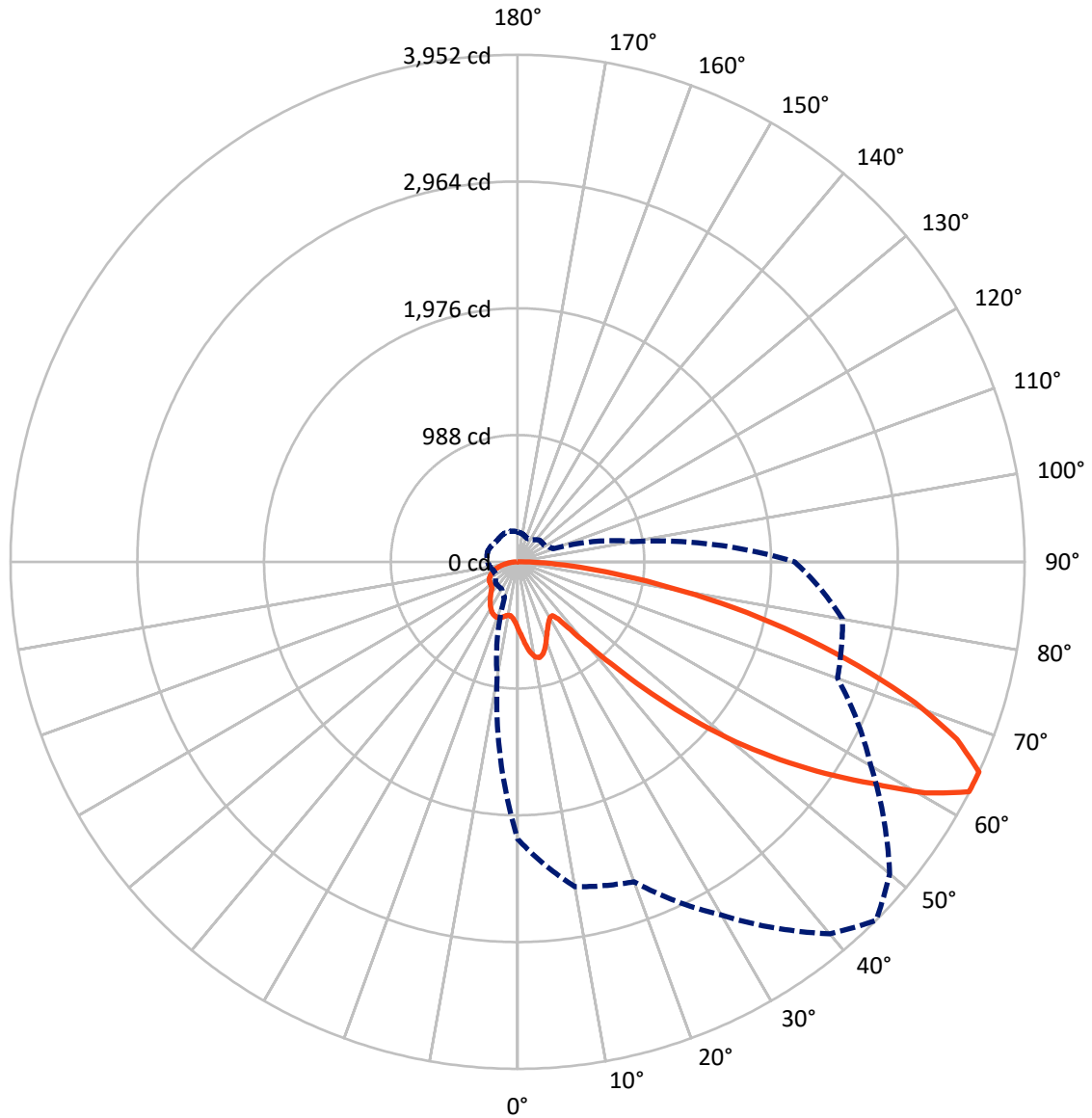
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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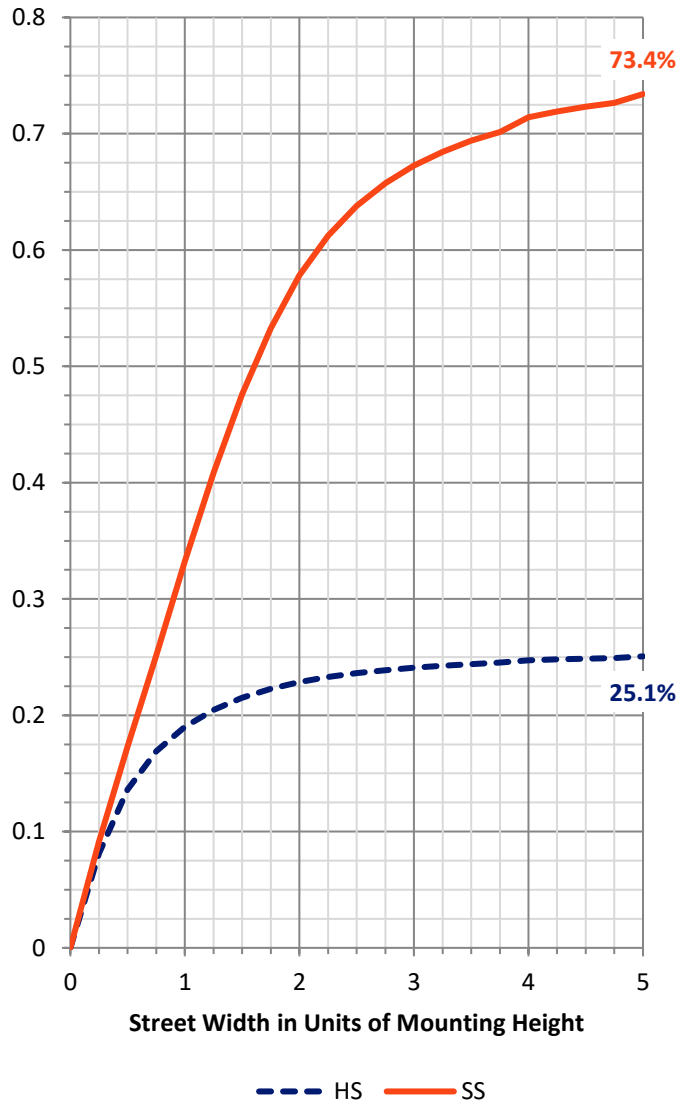
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	962.3	0.0	962.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2824.1	0.0	2824.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	3786.4	0.0	3786.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.4
10°-20°	162.1	4.3
20°-30°	250.4	6.6
30°-40°	317.4	8.4
40°-50°	478.7	12.6
50°-60°	773.4	20.4
60°-70°	964.1	25.5
70°-80°	632.2	16.7
80°-90°	156.3	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°	3786.4	100.0
0°-180°	3786.4	100.0

Coefficient of Utilization



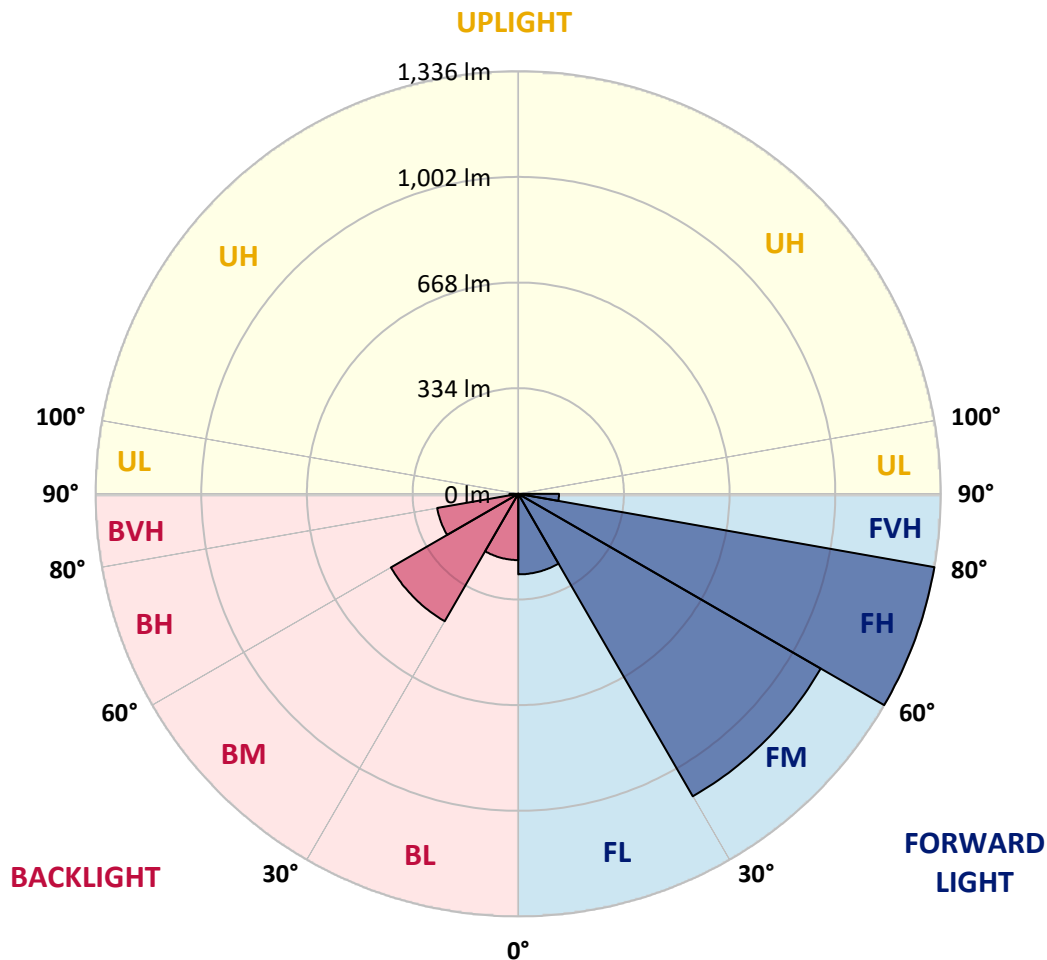
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.7	6.7			
FM (30°-60°)	1104.4	29.2			
FH (60°-80°)	1336.2	35.3			G1/1800
FVH (80°-90°)	128.8	3.4			G2/225
BL (0°-30°)	209.6	5.5	B1/500		
BM (30°-60°)	465.0	12.3	B1/1000		
BH (60°-80°)	260.2	6.9	B1/500		G1/500
BVH (80°-90°)	27.5	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°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	560.0	562.0	564.2	567.2	570.2	572.1	573.8	574.7	575.6	575.2	575.6
5°	602.1	609.5	616.9	624.2	631.6	635.6	639.6	642.1	644.5	646.4	644.5
7.5°	644.4	656.5	668.5	679.4	690.2	696.8	703.4	706.8	710.3	712.1	710.3
10°	676.9	691.2	705.4	718.1	730.8	738.6	746.3	749.7	753.1	754.4	753.1
12.5°	696.8	712.3	727.6	739.2	750.6	756.2	761.9	763.7	765.6	765.8	765.6
15°	708.9	722.2	735.5	742.7	750.0	750.2	750.4	748.4	746.4	744.0	746.4
17.5°	715.7	724.7	733.7	733.8	733.9	725.8	717.7	710.3	702.9	697.7	702.9
20°	723.1	726.3	729.4	720.0	710.4	692.6	674.8	661.7	648.7	640.7	648.7
22.5°	731.8	727.7	723.6	704.0	684.3	658.0	631.7	615.5	599.2	590.4	599.2
25°	743.0	730.0	717.1	687.2	657.3	625.5	593.6	576.5	559.3	551.0	559.3
27.5°	758.2	735.0	711.8	672.2	632.7	597.4	562.0	545.2	528.4	520.5	528.4
30°	778.7	744.0	709.5	660.8	612.1	575.2	538.4	522.9	507.3	499.9	507.3
32.5°	802.9	755.4	708.1	653.0	598.0	563.3	528.7	516.4	504.2	498.9	504.2
35°	832.2	774.2	716.2	658.9	601.5	577.4	553.4	550.5	547.7	547.2	547.7
37.5°	881.7	813.4	745.2	693.0	640.9	639.3	637.8	650.9	663.9	670.7	663.9
40°	956.4	882.2	807.9	769.2	730.4	757.8	785.2	816.9	848.7	864.5	848.7
42.5°	1055.5	981.8	908.3	885.9	863.6	923.2	983.0	1040.7	1098.5	1132.4	1098.5
45°	1177.8	1111.7	1045.5	1035.7	1025.8	1121.5	1217.1	1312.1	1407.0	1464.6	1407.0
47.5°	1330.9	1266.6	1202.2	1200.2	1198.2	1336.2	1474.1	1613.1	1752.0	1833.7	1752.0
50°	1531.5	1452.0	1372.5	1372.9	1373.2	1551.0	1728.9	1912.3	2095.8	2206.7	2095.8
52.5°	1761.8	1665.5	1569.3	1559.5	1549.8	1762.2	1974.6	2201.6	2428.5	2561.5	2428.5
55°	2007.0	1911.8	1816.7	1778.8	1740.9	1977.2	2213.6	2484.2	2754.8	2912.9	2754.8
57.5°	2229.9	2178.1	2126.3	2050.2	1974.0	2212.8	2451.5	2758.0	3064.5	3260.6	3064.5
60°	2364.7	2445.0	2525.5	2431.0	2336.5	2562.4	2788.3	3116.5	3444.6	3656.6	3444.6
62.5°	2296.2	2516.0	2735.8	2725.2	2714.5	2921.4	3128.3	3440.5	3752.7	3948.7	3752.7
65°	2159.3	2365.5	2571.8	2612.6	2653.4	2916.4	3179.3	3482.1	3784.9	3951.7	3784.9
67.5°	1975.7	2172.0	2368.2	2387.2	2406.4	2680.4	2954.4	3258.4	3562.5	3693.2	3562.5
70°	1755.3	1968.6	2182.1	2190.6	2199.2	2444.2	2689.2	2950.9	3212.6	3285.1	3212.6
72.5°	1492.5	1737.4	1982.4	1988.5	1994.6	2186.3	2378.0	2574.0	2770.0	2777.3	2770.0
75°	1160.2	1413.7	1667.1	1689.8	1712.6	1861.7	2010.9	2148.8	2286.8	2249.9	2286.8
77.5°	828.9	1065.5	1302.2	1334.8	1367.2	1480.6	1594.1	1691.9	1789.8	1726.2	1789.8
80°	542.5	741.6	940.6	981.1	1021.6	1107.2	1192.8	1244.1	1295.5	1193.3	1295.5
82.5°	315.4	451.4	587.5	632.7	678.0	737.0	795.9	817.3	838.8	758.4	838.8
85°	138.8	210.9	283.2	321.6	360.1	408.6	456.9	469.1	481.3	417.0	481.3
87.5°	42.9	67.2	91.5	113.0	134.4	158.7	182.9	183.9	184.9	155.3	184.9
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°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	574.7	573.8	572.1	570.2	567.2	564.2	562.0	560.0	555.7	551.3	546.7
5°	642.1	639.6	635.6	631.6	624.2	616.9	609.5	602.1	592.6	583.1	573.6
7.5°	706.8	703.4	696.8	690.2	679.4	668.5	656.5	644.4	628.7	613.2	598.7
10°	749.7	746.3	738.6	730.8	718.1	705.4	691.2	676.9	657.1	637.3	618.2
12.5°	763.7	761.9	756.2	750.6	739.2	727.6	712.3	696.8	675.1	653.2	631.6
15°	748.4	750.4	750.2	750.0	742.7	735.5	722.2	708.9	686.1	663.5	640.0
17.5°	710.3	717.7	725.8	733.9	733.8	733.7	724.7	715.7	692.7	669.6	644.0
20°	661.7	674.8	692.6	710.4	720.0	729.4	726.3	723.1	699.3	675.4	647.2
22.5°	615.5	631.7	658.0	684.3	704.0	723.6	727.7	731.8	707.5	683.0	651.4
25°	576.5	593.6	625.5	657.3	687.2	717.1	730.0	743.0	719.0	695.2	659.1
27.5°	545.2	562.0	597.4	632.7	672.2	711.8	735.0	758.2	735.4	712.6	671.1
30°	522.9	538.4	575.2	612.1	660.8	709.5	744.0	778.7	756.7	734.6	686.5
32.5°	516.4	528.7	563.3	598.0	653.0	708.1	755.4	802.9	781.0	759.2	702.7
35°	550.5	553.4	577.4	601.5	658.9	716.2	774.2	832.2	811.3	790.4	721.3
37.5°	650.9	637.8	639.3	640.9	693.0	745.2	813.4	881.7	855.1	828.4	741.9
40°	816.9	785.2	757.8	730.4	769.2	807.9	882.2	956.4	917.6	878.7	768.1
42.5°	1040.7	983.0	923.2	863.6	885.9	908.3	981.8	1055.5	999.5	943.4	802.5
45°	1312.1	1217.1	1121.5	1025.8	1035.7	1045.5	1111.7	1177.8	1102.3	1026.6	847.7
47.5°	1613.1	1474.1	1336.2	1198.2	1200.2	1202.2	1266.6	1330.9	1224.5	1118.1	895.8
50°	1912.3	1728.9	1551.0	1373.2	1372.9	1372.5	1452.0	1531.5	1371.0	1210.5	940.5
52.5°	2201.6	1974.6	1762.2	1549.8	1559.5	1569.3	1665.5	1761.8	1525.0	1288.2	969.5
55°	2484.2	2213.6	1977.2	1740.9	1778.8	1816.7	1911.8	2007.0	1661.5	1316.1	963.2
57.5°	2758.0	2451.5	2212.8	1974.0	2050.2	2126.3	2178.1	2229.9	1758.3	1286.6	918.2
60°	3116.5	2788.3	2562.4	2336.5	2431.0	2525.5	2445.0	2364.7	1782.4	1200.2	834.5
62.5°	3440.5	3128.3	2921.4	2714.5	2725.2	2735.8	2516.0	2296.2	1680.6	1065.1	721.2
65°	3482.1	3179.3	2916.4	2653.4	2612.6	2571.8	2365.5	2159.3	1536.6	914.0	605.7
67.5°	3258.4	2954.4	2680.4	2406.4	2387.2	2368.2	2172.0	1975.7	1365.2	754.6	492.5
70°	2950.9	2689.2	2444.2	2199.2	2190.6	2182.1	1968.6	1755.3	1178.1	601.1	387.8
72.5°	2574.0	2378.0	2186.3	1994.6	1988.5	1982.4	1737.4	1492.5	975.4	458.3	296.4
75°	2148.8	2010.9	1861.7	1712.6	1689.8	1667.1	1413.7	1160.2	743.0	325.8	215.1
77.5°	1691.9	1594.1	1480.6	1367.2	1334.8	1302.2	1065.5	828.9	520.1	211.2	145.9
80°	1244.1	1192.8	1107.2	1021.6	981.1	940.6	741.6	542.5	335.1	127.6	94.0
82.5°	817.3	795.9	737.0	678.0	632.7	587.5	451.4	315.4	193.9	72.5	57.8
85°	469.1	456.9	408.6	360.1	321.6	283.2	210.9	138.8	87.2	35.8	30.9
87.5°	183.9	182.9	158.7	134.4	113.0	91.5	67.2	42.9	28.6	14.1	12.8
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°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	542.2	537.6	533.0	528.6	524.2	520.0	515.3	511.4	507.6	504.1	500.7
5°	564.2	554.6	545.1	536.3	527.4	519.0	510.7	503.5	496.2	490.2	484.0
7.5°	584.1	570.1	556.1	543.7	531.2	519.8	509.0	499.4	489.7	481.7	473.8
10°	599.1	582.0	564.9	550.2	535.5	521.3	509.8	499.7	489.5	481.5	473.6
12.5°	610.0	589.8	569.6	553.0	536.4	521.5	510.9	502.6	494.3	488.9	483.7
15°	616.5	593.3	570.0	550.8	531.6	515.2	506.6	502.6	498.7	499.4	500.1
17.5°	618.4	591.4	564.5	541.3	518.2	498.9	493.5	495.1	496.5	505.2	513.9
20°	619.0	586.3	553.6	525.0	496.3	473.8	472.4	479.2	486.0	501.1	516.3
22.5°	619.8	580.0	540.3	505.7	471.3	445.7	448.3	458.4	468.4	485.7	503.1
25°	623.0	573.8	524.8	484.3	443.9	417.7	425.1	436.6	448.2	463.7	479.3
27.5°	629.6	569.7	509.8	464.7	419.6	395.6	404.7	415.8	427.0	439.8	452.5
30°	638.6	567.7	496.9	448.3	399.7	379.7	386.7	395.6	404.6	415.1	425.7
32.5°	646.4	565.4	484.3	434.2	384.1	367.9	371.0	376.3	381.6	390.0	398.5
35°	652.1	560.9	469.7	420.4	371.0	357.5	356.2	357.6	359.2	365.6	372.0
37.5°	655.5	553.1	450.8	404.0	357.2	345.4	340.7	339.1	337.5	342.1	346.8
40°	657.6	542.4	427.3	384.5	341.6	331.0	323.7	320.0	316.4	319.8	323.1
42.5°	661.6	531.5	401.4	363.0	324.6	314.8	305.6	300.7	296.0	298.7	301.5
45°	668.8	521.3	373.8	340.1	306.5	296.5	287.6	282.9	278.3	280.5	282.9
47.5°	673.7	512.8	352.0	322.1	292.1	279.2	271.5	267.6	263.7	265.9	268.0
50°	670.5	503.7	336.8	310.1	283.3	266.3	257.5	254.0	250.5	253.9	257.3
52.5°	650.8	488.1	325.4	302.2	278.8	259.3	246.9	243.4	240.1	245.1	250.1
55°	610.2	462.4	314.7	296.4	278.2	260.0	241.3	235.9	230.4	237.6	244.8
57.5°	549.7	426.1	302.5	289.6	276.8	260.8	237.9	230.0	222.1	229.8	237.6
60°	468.6	379.0	289.4	279.2	269.1	258.5	234.8	224.6	214.2	221.1	227.8
62.5°	377.4	322.7	267.8	261.2	254.4	253.2	231.1	218.3	205.5	209.8	214.1
65°	297.5	271.9	246.3	243.1	240.0	240.2	223.3	209.7	196.1	197.7	199.4
67.5°	230.4	223.1	215.9	217.6	219.5	218.9	209.5	198.2	186.9	186.3	185.8
70°	174.6	176.6	178.7	186.9	195.1	195.1	192.0	183.9	175.9	174.0	172.3
72.5°	134.6	140.8	147.2	158.8	170.5	172.4	172.5	167.0	161.4	158.8	156.1
75°	104.6	110.2	115.9	128.9	142.0	151.1	150.3	146.1	141.8	139.2	136.7
77.5°	80.5	84.4	88.3	100.9	113.6	128.4	128.0	124.6	121.3	118.7	116.1
80°	60.4	61.9	63.6	74.3	85.0	102.8	102.7	99.8	97.0	94.8	92.7
82.5°	43.2	43.4	43.7	51.7	59.6	74.7	75.5	74.2	72.8	71.2	69.7
85°	26.0	25.9	25.7	31.6	37.3	48.7	49.7	48.3	46.7	45.1	43.4
87.5°	11.4	11.3	11.2	13.5	15.9	20.6	21.9	21.4	20.8	20.5	20.1
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	497.6	494.7	491.6	488.6	486.3	483.9	482.0	480.1	478.6	477.1	475.8
5°	478.7	473.3	468.5	463.6	459.9	456.1	453.5	450.9	449.1	447.2	445.8
7.5°	467.1	460.3	454.4	448.4	443.9	439.5	436.4	433.3	431.2	429.1	427.7
10°	466.3	459.0	452.3	445.7	440.3	435.0	431.5	428.0	426.0	423.9	422.9
12.5°	478.0	472.2	465.4	458.4	451.6	444.8	440.3	435.8	433.6	431.3	430.4
15°	498.6	497.1	491.1	485.1	475.4	465.8	458.9	452.1	449.0	445.9	444.6
17.5°	518.5	523.2	518.3	513.4	500.6	487.9	477.8	467.7	463.1	458.4	456.9
20°	525.9	535.7	533.4	531.2	516.5	501.8	489.5	477.2	471.3	465.4	463.4
22.5°	515.7	528.3	529.6	530.9	517.0	503.0	490.3	477.5	471.3	465.0	462.9
25°	491.7	504.1	508.7	513.3	501.9	490.5	479.2	467.9	462.5	457.0	455.0
27.5°	462.5	472.4	477.6	482.8	474.6	466.5	457.7	449.0	445.3	441.7	440.7
30°	434.0	442.3	446.4	450.6	444.4	438.2	431.9	425.6	423.7	421.9	421.9
32.5°	406.4	414.3	419.0	423.6	417.9	412.3	407.2	402.2	401.0	399.7	399.9
35°	379.9	387.7	393.3	398.9	394.8	390.7	386.1	381.5	379.7	377.8	377.4
37.5°	354.5	362.3	369.3	376.2	374.3	372.5	368.2	363.9	360.5	357.2	355.4
40°	330.7	338.2	346.1	354.1	354.5	355.1	351.4	347.8	342.9	338.0	334.7
42.5°	308.6	315.8	324.3	332.9	335.3	337.5	334.5	331.5	325.3	319.3	314.5
45°	289.7	296.4	305.3	314.3	317.5	320.8	318.1	315.4	308.4	301.5	295.8
47.5°	274.7	281.3	290.1	298.9	302.7	306.5	304.5	302.7	296.4	290.3	285.1
50°	263.5	269.8	277.7	285.5	290.4	295.3	295.1	295.1	290.1	285.2	280.3
52.5°	255.9	261.6	269.0	276.3	282.1	287.8	288.9	290.0	285.9	281.9	277.6
55°	251.0	257.2	263.6	270.0	276.1	282.3	283.7	285.2	281.7	278.1	274.3
57.5°	244.9	252.0	258.4	264.9	271.0	277.2	278.6	280.0	276.5	273.0	269.2
60°	236.2	244.5	250.9	257.5	263.6	269.8	271.4	273.1	269.6	266.1	262.2
62.5°	223.8	233.6	240.5	247.3	253.0	258.7	260.2	261.8	258.6	255.5	251.4
65°	209.8	220.3	226.8	233.5	238.4	243.4	245.0	246.6	243.5	240.6	236.6
67.5°	195.5	205.1	211.4	217.6	221.9	226.2	227.8	229.3	226.5	223.8	220.1
70°	180.7	189.2	194.6	200.0	203.9	207.8	209.3	210.7	208.5	206.2	202.7
72.5°	162.8	169.4	174.4	179.2	183.1	186.9	188.6	190.3	188.5	186.7	183.3
75°	141.7	146.6	151.0	155.4	158.9	162.4	164.2	166.0	165.1	164.2	161.4
77.5°	120.1	124.1	127.9	131.7	135.4	139.1	140.7	142.5	141.2	139.9	137.0
80°	96.0	99.4	102.6	105.8	108.5	111.3	113.6	115.9	115.3	114.8	111.0
82.5°	69.5	69.2	68.1	66.9	72.9	78.7	82.6	86.5	86.3	86.0	82.8
85°	41.9	40.5	37.3	34.2	39.8	45.3	50.1	54.9	54.5	54.1	51.7
87.5°	20.1	20.0	17.6	15.3	17.6	20.0	21.8	23.8	23.4	22.9	21.5
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°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	474.4	472.7	474.4	475.8	477.1	478.6	480.1	482.0	483.9	486.3	488.6
5°	444.3	442.9	444.3	445.8	447.2	449.1	450.9	453.5	456.1	459.9	463.6
7.5°	426.5	425.6	426.5	427.7	429.1	431.2	433.3	436.4	439.5	443.9	448.4
10°	421.8	421.4	421.8	422.9	423.9	426.0	428.0	431.5	435.0	440.3	445.7
12.5°	429.5	429.4	429.5	430.4	431.3	433.6	435.8	440.3	444.8	451.6	458.4
15°	443.4	443.3	443.4	444.6	445.9	449.0	452.1	458.9	465.8	475.4	485.1
17.5°	455.4	455.1	455.4	456.9	458.4	463.1	467.7	477.8	487.9	500.6	513.4
20°	461.6	460.9	461.6	463.4	465.4	471.3	477.2	489.5	501.8	516.5	531.2
22.5°	460.8	459.9	460.8	462.9	465.0	471.3	477.5	490.3	503.0	517.0	530.9
25°	453.0	451.9	453.0	455.0	457.0	462.5	467.9	479.2	490.5	501.9	513.3
27.5°	439.8	439.5	439.8	440.7	441.7	445.3	449.0	457.7	466.5	474.6	482.8
30°	421.9	422.2	421.9	421.9	421.9	423.7	425.6	431.9	438.2	444.4	450.6
32.5°	400.1	400.4	400.1	399.9	399.7	401.0	402.2	407.2	412.3	417.9	423.6
35°	377.0	376.8	377.0	377.4	377.8	379.7	381.5	386.1	390.7	394.8	398.9
37.5°	353.6	352.6	353.6	355.4	357.2	360.5	363.9	368.2	372.5	374.3	376.2
40°	331.4	329.4	331.4	334.7	338.0	342.9	347.8	351.4	355.1	354.5	354.1
42.5°	309.7	306.5	309.7	314.5	319.3	325.3	331.5	334.5	337.5	335.3	332.9
45°	290.2	286.5	290.2	295.8	301.5	308.4	315.4	318.1	320.8	317.5	314.3
47.5°	279.8	276.3	279.8	285.1	290.3	296.4	302.7	304.5	306.5	302.7	298.9
50°	275.5	272.1	275.5	280.3	285.2	290.1	295.1	295.1	295.3	290.4	285.5
52.5°	273.3	270.1	273.3	277.6	281.9	285.9	290.0	288.9	287.8	282.1	276.3
55°	270.5	267.7	270.5	274.3	278.1	281.7	285.2	283.7	282.3	276.1	270.0
57.5°	265.4	262.5	265.4	269.2	273.0	276.5	280.0	278.6	277.2	271.0	264.9
60°	258.3	255.3	258.3	262.2	266.1	269.6	273.1	271.4	269.8	263.6	257.5
62.5°	247.3	243.7	247.3	251.4	255.5	258.6	261.8	260.2	258.7	253.0	247.3
65°	232.7	229.6	232.7	236.6	240.6	243.5	246.6	245.0	243.4	238.4	233.5
67.5°	216.4	213.6	216.4	220.1	223.8	226.5	229.3	227.8	226.2	221.9	217.6
70°	199.2	196.0	199.2	202.7	206.2	208.5	210.7	209.3	207.8	203.9	200.0
72.5°	179.9	176.8	179.9	183.3	186.7	188.5	190.3	188.6	186.9	183.1	179.2
75°	158.6	155.6	158.6	161.4	164.2	165.1	166.0	164.2	162.4	158.9	155.4
77.5°	134.2	131.8	134.2	137.0	139.9	141.2	142.5	140.7	139.1	135.4	131.7
80°	107.1	102.7	107.1	111.0	114.8	115.3	115.9	113.6	111.3	108.5	105.8
82.5°	79.5	76.7	79.5	82.8	86.0	86.3	86.5	82.6	78.7	72.9	66.9
85°	49.1	46.5	49.1	51.7	54.1	54.5	54.9	50.1	45.3	39.8	34.2
87.5°	20.2	19.0	20.2	21.5	22.9	23.4	23.8	21.8	20.0	17.6	15.3
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	491.6	494.7	497.6	500.7	504.1	507.6	511.4	515.3	520.0	524.2	528.6
5°	468.5	473.3	478.7	484.0	490.2	496.2	503.5	510.7	519.0	527.4	536.3
7.5°	454.4	460.3	467.1	473.8	481.7	489.7	499.4	509.0	519.8	531.2	543.7
10°	452.3	459.0	466.3	473.6	481.5	489.5	499.7	509.8	521.3	535.5	550.2
12.5°	465.4	472.2	478.0	483.7	488.9	494.3	502.6	510.9	521.5	536.4	553.0
15°	491.1	497.1	498.6	500.1	499.4	498.7	502.6	506.6	515.2	531.6	550.8
17.5°	518.3	523.2	518.5	513.9	505.2	496.5	495.1	493.5	498.9	518.2	541.3
20°	533.4	535.7	525.9	516.3	501.1	486.0	479.2	472.4	473.8	496.3	525.0
22.5°	529.6	528.3	515.7	503.1	485.7	468.4	458.4	448.3	445.7	471.3	505.7
25°	508.7	504.1	491.7	479.3	463.7	448.2	436.6	425.1	417.7	443.9	484.3
27.5°	477.6	472.4	462.5	452.5	439.8	427.0	415.8	404.7	395.6	419.6	464.7
30°	446.4	442.3	434.0	425.7	415.1	404.6	395.6	386.7	379.7	399.7	448.3
32.5°	419.0	414.3	406.4	398.5	390.0	381.6	376.3	371.0	367.9	384.1	434.2
35°	393.3	387.7	379.9	372.0	365.6	359.2	357.6	356.2	357.5	371.0	420.4
37.5°	369.3	362.3	354.5	346.8	342.1	337.5	339.1	340.7	345.4	357.2	404.0
40°	346.1	338.2	330.7	323.1	319.8	316.4	320.0	323.7	331.0	341.6	384.5
42.5°	324.3	315.8	308.6	301.5	298.7	296.0	300.7	305.6	314.8	324.6	363.0
45°	305.3	296.4	289.7	282.9	280.5	278.3	282.9	287.6	296.5	306.5	340.1
47.5°	290.1	281.3	274.7	268.0	265.9	263.7	267.6	271.5	279.2	292.1	322.1
50°	277.7	269.8	263.5	257.3	253.9	250.5	254.0	257.5	266.3	283.3	310.1
52.5°	269.0	261.6	255.9	250.1	245.1	240.1	243.4	246.9	259.3	278.8	302.2
55°	263.6	257.2	251.0	244.8	237.6	230.4	235.9	241.3	260.0	278.2	296.4
57.5°	258.4	252.0	244.9	237.6	229.8	222.1	230.0	237.9	260.8	276.8	289.6
60°	250.9	244.5	236.2	227.8	221.1	214.2	224.6	234.8	258.5	269.1	279.2
62.5°	240.5	233.6	223.8	214.1	209.8	205.5	218.3	231.1	253.2	254.4	261.2
65°	226.8	220.3	209.8	199.4	197.7	196.1	209.7	223.3	240.2	240.0	243.1
67.5°	211.4	205.1	195.5	185.8	186.3	186.9	198.2	209.5	218.9	219.5	217.6
70°	194.6	189.2	180.7	172.3	174.0	175.9	183.9	192.0	195.1	195.1	186.9
72.5°	174.4	169.4	162.8	156.1	158.8	161.4	167.0	172.5	172.4	170.5	158.8
75°	151.0	146.6	141.7	136.7	139.2	141.8	146.1	150.3	151.1	142.0	128.9
77.5°	127.9	124.1	120.1	116.1	118.7	121.3	124.6	128.0	128.4	113.6	100.9
80°	102.6	99.4	96.0	92.7	94.8	97.0	99.8	102.7	102.8	85.0	74.3
82.5°	68.1	69.2	69.5	69.7	71.2	72.8	74.2	75.5	74.7	59.6	51.7
85°	37.3	40.5	41.9	43.4	45.1	46.7	48.3	49.7	48.7	37.3	31.6
87.5°	17.6	20.0	20.1	20.1	20.5	20.8	21.4	21.9	20.6	15.9	13.5
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°	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	533.0	537.6	542.2	546.7	551.3	555.7	560.0
5°	545.1	554.6	564.2	573.6	583.1	592.6	602.1
7.5°	556.1	570.1	584.1	598.7	613.2	628.7	644.4
10°	564.9	582.0	599.1	618.2	637.3	657.1	676.9
12.5°	569.6	589.8	610.0	631.6	653.2	675.1	696.8
15°	570.0	593.3	616.5	640.0	663.5	686.1	708.9
17.5°	564.5	591.4	618.4	644.0	669.6	692.7	715.7
20°	553.6	586.3	619.0	647.2	675.4	699.3	723.1
22.5°	540.3	580.0	619.8	651.4	683.0	707.5	731.8
25°	524.8	573.8	623.0	659.1	695.2	719.0	743.0
27.5°	509.8	569.7	629.6	671.1	712.6	735.4	758.2
30°	496.9	567.7	638.6	686.5	734.6	756.7	778.7
32.5°	484.3	565.4	646.4	702.7	759.2	781.0	802.9
35°	469.7	560.9	652.1	721.3	790.4	811.3	832.2
37.5°	450.8	553.1	655.5	741.9	828.4	855.1	881.7
40°	427.3	542.4	657.6	768.1	878.7	917.6	956.4
42.5°	401.4	531.5	661.6	802.5	943.4	999.5	1055.5
45°	373.8	521.3	668.8	847.7	1026.6	1102.3	1177.8
47.5°	352.0	512.8	673.7	895.8	1118.1	1224.5	1330.9
50°	336.8	503.7	670.5	940.5	1210.5	1371.0	1531.5
52.5°	325.4	488.1	650.8	969.5	1288.2	1525.0	1761.8
55°	314.7	462.4	610.2	963.2	1316.1	1661.5	2007.0
57.5°	302.5	426.1	549.7	918.2	1286.6	1758.3	2229.9
60°	289.4	379.0	468.6	834.5	1200.2	1782.4	2364.7
62.5°	267.8	322.7	377.4	721.2	1065.1	1680.6	2296.2
65°	246.3	271.9	297.5	605.7	914.0	1536.6	2159.3
67.5°	215.9	223.1	230.4	492.5	754.6	1365.2	1975.7
70°	178.7	176.6	174.6	387.8	601.1	1178.1	1755.3
72.5°	147.2	140.8	134.6	296.4	458.3	975.4	1492.5
75°	115.9	110.2	104.6	215.1	325.8	743.0	1160.2
77.5°	88.3	84.4	80.5	145.9	211.2	520.1	828.9
80°	63.6	61.9	60.4	94.0	127.6	335.1	542.5
82.5°	43.7	43.4	43.2	57.8	72.5	193.9	315.4
85°	25.7	25.9	26.0	30.9	35.8	87.2	138.8
87.5°	11.2	11.3	11.4	12.8	14.1	28.6	42.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)