

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: P959729

Luminaire Tested: **NAV-SB1B-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959729
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-SB1B-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4752.9 lumens
Efficiency: N/A
Efficacy: 119.4 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

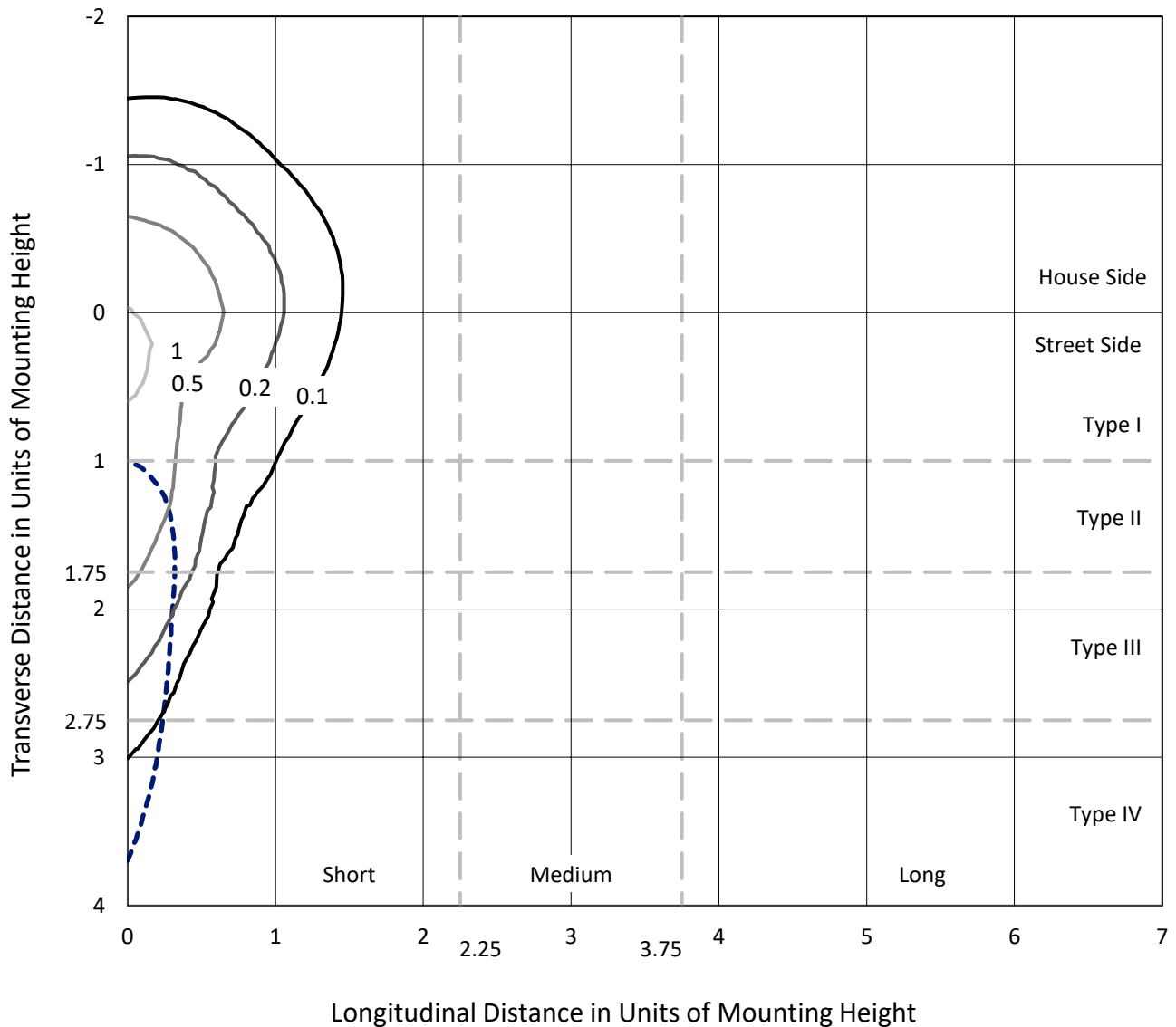
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

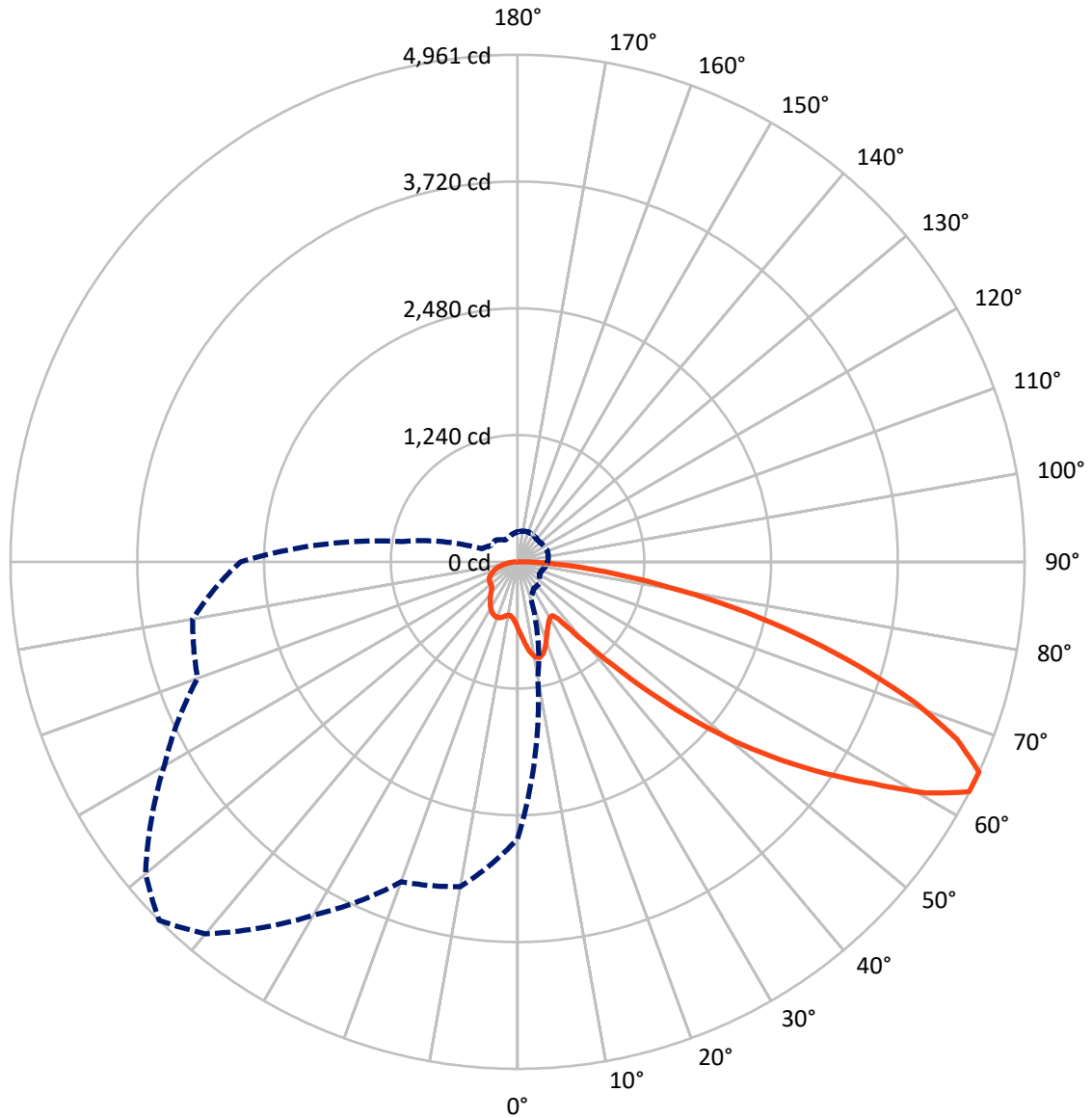
× Max cd
 - - - 1/2 Max cd



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 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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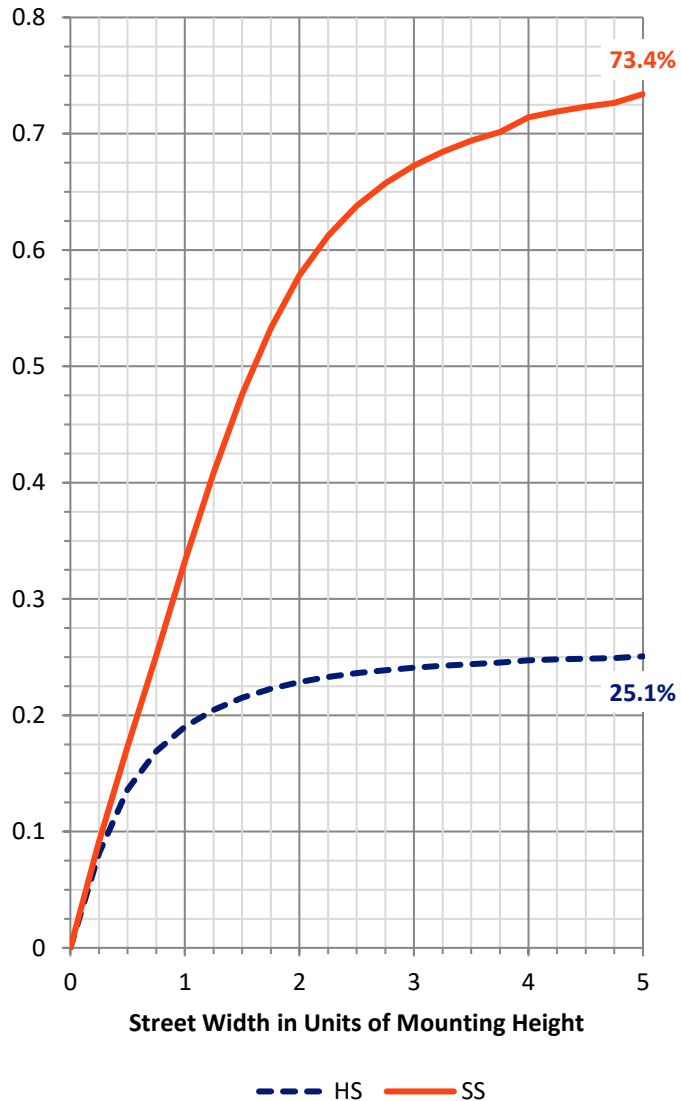
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1207.9	0.0	1207.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3545.0	0.0	3545.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	4752.9	0.0	4752.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.4
10°-20°	203.5	4.3
20°-30°	314.4	6.6
30°-40°	398.4	8.4
40°-50°	600.9	12.6
50°-60°	970.8	20.4
60°-70°	1210.3	25.5
70°-80°	793.6	16.7
80°-90°	196.2	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°	4752.9	100.0
0°-180°	4752.9	100.0

Coefficient of Utilization



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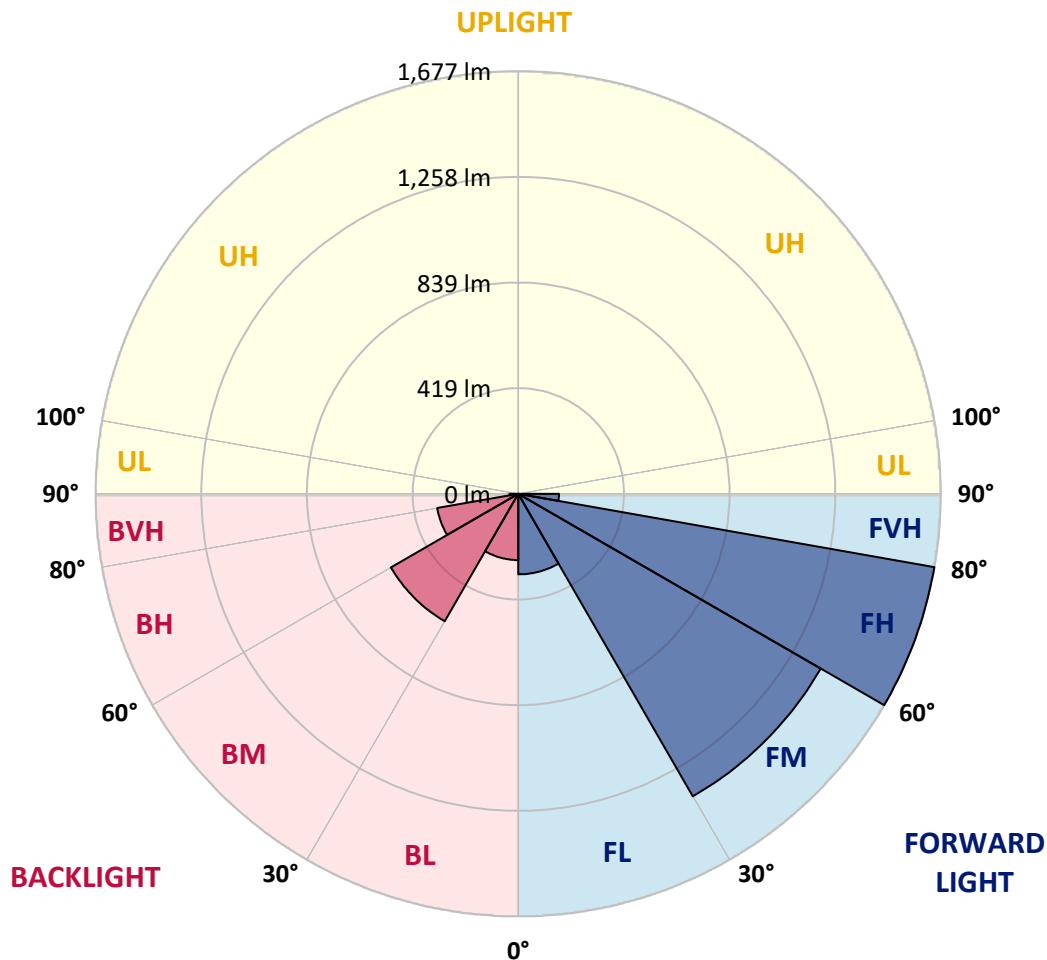
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.7	6.7			
FM (30°-60°)	1386.3	29.2			
FH (60°-80°)	1677.3	35.3			G1/1800
FVH (80°-90°)	161.6	3.4			G2/225
BL (0°-30°)	263.0	5.5	B1/500		
BM (30°-60°)	583.8	12.3	B1/1000		
BH (60°-80°)	326.6	6.9	B1/500		G1/500
BVH (80°-90°)	34.6	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°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	702.8	697.4	692.1	686.3	680.6	674.9	669.0	663.6	658.0	652.7	646.8
5°	755.7	743.8	732.0	720.1	708.2	696.2	684.3	673.1	661.9	651.4	641.0
7.5°	808.9	789.2	769.7	751.4	733.3	715.7	697.9	682.3	666.8	652.4	639.0
10°	849.7	824.8	800.0	776.0	752.0	730.5	709.0	690.6	672.2	654.5	640.0
12.5°	874.6	847.4	820.0	792.8	765.7	740.4	715.0	694.1	673.3	654.7	641.2
15°	889.8	861.3	832.9	803.4	773.9	744.8	715.6	691.5	667.3	646.7	635.9
17.5°	898.3	869.5	840.6	808.4	776.2	742.4	708.6	679.6	650.5	626.3	619.6
20°	907.7	877.7	847.8	812.4	777.1	735.9	694.9	659.0	623.0	594.8	593.0
22.5°	918.7	888.1	857.3	817.6	778.0	728.1	678.2	634.9	591.5	559.4	562.8
25°	932.7	902.6	872.7	827.3	782.0	720.4	658.7	607.9	557.3	524.3	533.5
27.5°	951.7	923.1	894.4	842.3	790.3	715.1	640.0	583.3	526.7	496.7	508.0
30°	977.4	949.8	922.1	861.8	801.6	712.7	623.8	562.8	501.8	476.6	485.4
32.5°	1007.8	980.4	953.0	882.2	811.4	709.7	607.9	545.1	482.2	461.9	465.8
35°	1044.7	1018.4	992.2	905.4	818.6	704.1	589.6	527.7	465.8	448.7	447.2
37.5°	1106.8	1073.3	1039.9	931.3	822.8	694.3	565.8	507.2	448.4	433.6	427.6
40°	1200.6	1151.8	1103.0	964.3	825.5	680.9	536.5	482.7	428.9	415.4	406.3
42.5°	1324.9	1254.6	1184.2	1007.4	830.6	667.2	503.8	455.6	407.5	395.1	383.6
45°	1478.6	1383.6	1288.7	1064.2	839.6	654.4	469.1	426.9	384.7	372.2	361.0
47.5°	1670.6	1537.1	1403.4	1124.5	845.6	643.8	441.9	404.3	366.6	350.4	340.9
50°	1922.5	1721.1	1519.6	1180.6	841.6	632.2	422.8	389.2	355.6	334.4	323.2
52.5°	2211.5	1914.3	1617.1	1217.1	816.9	612.7	408.6	379.2	349.9	325.5	310.0
55°	2519.2	2085.7	1652.1	1209.0	765.9	580.5	394.9	372.1	349.1	326.4	302.9
57.5°	2799.1	2207.1	1615.1	1152.5	690.0	534.8	379.7	363.6	347.4	327.3	298.7
60°	2968.3	2237.5	1506.5	1047.4	588.3	475.8	363.2	350.4	337.7	324.5	294.7
62.5°	2882.4	2109.7	1336.9	905.3	473.7	405.0	336.3	327.8	319.4	317.8	290.1
65°	2710.4	1928.8	1147.3	760.3	373.4	341.3	309.2	305.2	301.2	301.5	280.3
67.5°	2480.1	1713.7	947.3	618.3	289.3	280.1	271.0	273.3	275.4	274.9	263.0
70°	2203.3	1479.0	754.5	486.8	219.0	221.7	224.3	234.6	244.9	244.9	241.0
72.5°	1873.6	1224.5	575.3	372.2	169.0	176.8	184.7	199.4	214.0	216.5	216.5
75°	1456.3	932.6	409.0	270.1	131.2	138.4	145.4	161.8	178.2	189.6	188.6
77.5°	1040.6	652.8	265.1	183.1	101.1	105.9	110.7	126.7	142.6	161.2	160.7
80°	681.0	420.6	160.1	117.9	75.7	77.7	79.7	93.3	106.7	129.0	128.9
82.5°	395.9	243.4	91.0	72.6	54.1	54.4	54.8	64.8	74.7	93.8	94.8
85°	174.1	109.5	44.8	38.7	32.7	32.6	32.4	39.7	46.9	61.1	62.4
87.5°	53.9	35.9	17.8	16.1	14.3	14.1	14.0	16.9	20.0	25.8	27.6
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°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	642.0	637.1	632.8	628.5	624.7	620.9	617.2	613.4	610.4	607.4	605.1
5°	631.9	622.9	615.2	607.6	600.9	594.2	588.0	582.0	577.3	572.6	569.3
7.5°	626.9	614.8	604.8	594.8	586.3	577.8	570.3	562.9	557.3	551.8	547.9
10°	627.2	614.5	604.4	594.4	585.4	576.2	567.7	559.4	552.7	546.0	541.7
12.5°	630.8	620.4	613.8	607.1	599.9	592.9	584.1	575.4	566.9	558.4	552.8
15°	630.9	626.0	626.8	627.7	625.9	624.0	616.4	609.0	596.8	584.7	576.0
17.5°	621.5	623.2	634.2	645.1	650.9	656.7	650.6	644.5	628.4	612.4	599.7
20°	601.6	610.1	629.0	648.0	660.2	672.4	669.5	666.8	648.3	630.0	614.5
22.5°	575.4	588.0	609.8	631.4	647.3	663.1	664.8	666.5	648.9	631.4	615.4
25°	548.1	562.6	582.1	601.7	617.3	632.8	638.6	644.4	630.1	615.6	601.5
27.5°	522.0	536.1	552.1	568.1	580.6	593.1	599.5	606.1	595.8	585.6	574.5
30°	496.6	507.8	521.1	534.4	544.8	555.1	560.4	565.7	557.9	550.0	542.1
32.5°	472.3	479.0	489.5	500.2	510.1	520.1	525.9	531.8	524.6	517.4	511.2
35°	449.0	450.8	458.9	467.0	476.8	486.7	493.6	500.7	495.6	490.5	484.7
37.5°	425.7	423.6	429.5	435.2	445.1	454.9	463.6	472.2	469.9	467.5	462.2
40°	401.7	397.2	401.4	405.6	415.0	424.6	434.5	444.5	445.2	445.7	441.2
42.5°	377.6	371.6	374.9	378.4	387.3	396.4	407.1	418.0	420.9	423.7	419.8
45°	355.2	349.3	352.2	355.1	363.6	372.2	383.3	394.5	398.6	402.8	399.3
47.5°	336.0	331.1	333.7	336.4	344.8	353.1	364.2	375.2	380.0	384.7	382.3
50°	318.8	314.5	318.7	322.9	330.8	338.7	348.5	358.3	364.5	370.6	370.4
52.5°	305.7	301.3	307.7	314.0	321.2	328.4	337.6	346.9	354.1	361.3	362.6
55°	296.1	289.3	298.3	307.3	315.1	322.8	330.9	339.0	346.7	354.3	356.1
57.5°	288.7	278.8	288.5	298.2	307.3	316.4	324.4	332.4	340.2	347.9	349.7
60°	281.9	269.0	277.5	286.0	296.4	306.9	315.0	323.2	331.0	338.7	340.7
62.5°	274.0	257.9	263.3	268.8	281.0	293.2	301.9	310.5	317.6	324.7	326.7
65°	263.3	246.2	248.3	250.3	263.4	276.5	284.7	293.0	299.3	305.6	307.6
67.5°	248.8	234.5	233.9	233.2	245.3	257.5	265.3	273.2	278.5	283.9	285.9
70°	230.8	220.8	218.5	216.3	226.8	237.5	244.3	251.0	255.9	260.9	262.7
72.5°	209.5	202.5	199.3	196.0	204.4	212.7	218.8	225.0	229.7	234.5	236.8
75°	183.3	177.9	174.8	171.6	177.8	184.0	189.6	195.2	199.5	203.9	206.1
77.5°	156.5	152.2	148.9	145.8	150.8	155.9	160.6	165.4	169.9	174.6	176.7
80°	125.4	121.8	119.1	116.3	120.5	124.7	128.7	132.8	136.3	139.7	142.6
82.5°	93.1	91.3	89.5	87.5	87.1	86.8	85.4	84.0	91.4	98.9	103.7
85°	60.6	58.7	56.6	54.4	52.6	50.7	46.9	43.0	49.9	56.9	62.9
87.5°	26.9	26.0	25.7	25.3	25.2	25.1	22.1	19.2	22.1	25.0	27.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	602.7	600.8	598.9	597.3	595.5	593.4	595.5	597.3	598.9	600.8	602.7
5°	566.0	563.6	561.3	559.5	557.8	556.0	557.8	559.5	561.3	563.6	566.0
7.5°	544.0	541.2	538.5	537.0	535.4	534.2	535.4	537.0	538.5	541.2	544.0
10°	537.2	534.7	532.2	530.8	529.5	528.9	529.5	530.8	532.2	534.7	537.2
12.5°	547.1	544.3	541.5	540.3	539.2	538.9	539.2	540.3	541.5	544.3	547.1
15°	567.5	563.5	559.6	558.1	556.7	556.5	556.7	558.1	559.6	563.5	567.5
17.5°	587.1	581.3	575.4	573.6	571.6	571.3	571.6	573.6	575.4	581.3	587.1
20°	599.0	591.5	584.1	581.7	579.3	578.6	579.3	581.7	584.1	591.5	599.0
22.5°	599.4	591.6	583.7	581.1	578.4	577.3	578.4	581.1	583.7	591.6	599.4
25°	587.3	580.5	573.7	571.2	568.8	567.3	568.8	571.2	573.7	580.5	587.3
27.5°	563.5	558.9	554.4	553.3	552.2	551.8	552.2	553.3	554.4	558.9	563.5
30°	534.2	531.9	529.5	529.5	529.5	529.9	529.5	529.5	529.5	531.9	534.2
32.5°	504.8	503.3	501.7	501.9	502.2	502.6	502.2	501.9	501.7	503.3	504.8
35°	478.9	476.5	474.3	473.8	473.2	473.0	473.2	473.8	474.3	476.5	478.9
37.5°	456.8	452.5	448.3	446.2	443.9	442.7	443.9	446.2	448.3	452.5	456.8
40°	436.5	430.4	424.2	420.1	416.0	413.6	416.0	420.1	424.2	430.4	436.5
42.5°	416.0	408.5	400.8	394.7	388.7	384.7	388.7	394.7	400.8	408.5	416.0
45°	395.9	387.1	378.4	371.3	364.2	359.7	364.2	371.3	378.4	387.1	395.9
47.5°	379.9	372.2	364.4	357.8	351.3	346.9	351.3	357.8	364.4	372.2	379.9
50°	370.3	364.2	357.9	351.9	345.8	341.5	345.8	351.9	357.9	364.2	370.3
52.5°	364.0	358.9	353.8	348.4	343.0	339.1	343.0	348.4	353.8	358.9	364.0
55°	357.9	353.5	349.1	344.3	339.6	336.1	339.6	344.3	349.1	353.5	357.9
57.5°	351.6	347.1	342.7	337.9	333.2	329.5	333.2	337.9	342.7	347.1	351.6
60°	342.8	338.4	334.0	329.1	324.3	320.5	324.3	329.1	334.0	338.4	342.8
62.5°	328.6	324.6	320.7	315.6	310.5	306.0	310.5	315.6	320.7	324.6	328.6
65°	309.5	305.8	302.0	296.9	292.0	288.1	292.0	296.9	302.0	305.8	309.5
67.5°	287.8	284.3	280.8	276.2	271.6	268.1	271.6	276.2	280.8	284.3	287.8
70°	264.6	261.7	258.9	254.4	250.0	246.0	250.0	254.4	258.9	261.7	264.6
72.5°	238.9	236.6	234.2	230.0	225.8	221.9	225.8	230.0	234.2	236.6	238.9
75°	208.5	207.3	206.1	202.6	199.1	195.4	199.1	202.6	206.1	207.3	208.5
77.5°	178.9	177.2	175.6	172.0	168.5	165.5	168.5	172.0	175.6	177.2	178.9
80°	145.4	144.7	144.1	139.3	134.5	128.9	134.5	139.3	144.1	144.7	145.4
82.5°	108.5	108.3	107.9	103.9	99.8	96.4	99.8	103.9	107.9	108.3	108.5
85°	69.0	68.5	68.0	64.8	61.6	58.4	61.6	64.8	68.0	68.5	69.0
87.5°	29.9	29.3	28.6	27.1	25.4	23.8	25.4	27.1	28.6	29.3	29.9
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	605.1	607.4	610.4	613.4	617.2	620.9	624.7	628.5	632.8	637.1	642.0
5°	569.3	572.6	577.3	582.0	588.0	594.2	600.9	607.6	615.2	622.9	631.9
7.5°	547.9	551.8	557.3	562.9	570.3	577.8	586.3	594.8	604.8	614.8	626.9
10°	541.7	546.0	552.7	559.4	567.7	576.2	585.4	594.4	604.4	614.5	627.2
12.5°	552.8	558.4	566.9	575.4	584.1	592.9	599.9	607.1	613.8	620.4	630.8
15°	576.0	584.7	596.8	609.0	616.4	624.0	625.9	627.7	626.8	626.0	630.9
17.5°	599.7	612.4	628.4	644.5	650.6	656.7	650.9	645.1	634.2	623.2	621.5
20°	614.5	630.0	648.3	666.8	669.5	672.4	660.2	648.0	629.0	610.1	601.6
22.5°	615.4	631.4	648.9	666.5	664.8	663.1	647.3	631.4	609.8	588.0	575.4
25°	601.5	615.6	630.1	644.4	638.6	632.8	617.3	601.7	582.1	562.6	548.1
27.5°	574.5	585.6	595.8	606.1	599.5	593.1	580.6	568.1	552.1	536.1	522.0
30°	542.1	550.0	557.9	565.7	560.4	555.1	544.8	534.4	521.1	507.8	496.6
32.5°	511.2	517.4	524.6	531.8	525.9	520.1	510.1	500.2	489.5	479.0	472.3
35°	484.7	490.5	495.6	500.7	493.6	486.7	476.8	467.0	458.9	450.8	449.0
37.5°	462.2	467.5	469.9	472.2	463.6	454.9	445.1	435.2	429.5	423.6	425.7
40°	441.2	445.7	445.2	444.5	434.5	424.6	415.0	405.6	401.4	397.2	401.7
42.5°	419.8	423.7	420.9	418.0	407.1	396.4	387.3	378.4	374.9	371.6	377.6
45°	399.3	402.8	398.6	394.5	383.3	372.2	363.6	355.1	352.2	349.3	355.2
47.5°	382.3	384.7	380.0	375.2	364.2	353.1	344.8	336.4	333.7	331.1	336.0
50°	370.4	370.6	364.5	358.3	348.5	338.7	330.8	322.9	318.7	314.5	318.8
52.5°	362.6	361.3	354.1	346.9	337.6	328.4	321.2	314.0	307.7	301.3	305.7
55°	356.1	354.3	346.7	339.0	330.9	322.8	315.1	307.3	298.3	289.3	296.1
57.5°	349.7	347.9	340.2	332.4	324.4	316.4	307.3	298.2	288.5	278.8	288.7
60°	340.7	338.7	331.0	323.2	315.0	306.9	296.4	286.0	277.5	269.0	281.9
62.5°	326.7	324.7	317.6	310.5	301.9	293.2	281.0	268.8	263.3	257.9	274.0
65°	307.6	305.6	299.3	293.0	284.7	276.5	263.4	250.3	248.3	246.2	263.3
67.5°	285.9	283.9	278.5	273.2	265.3	257.5	245.3	233.2	233.9	234.5	248.8
70°	262.7	260.9	255.9	251.0	244.3	237.5	226.8	216.3	218.5	220.8	230.8
72.5°	236.8	234.5	229.7	225.0	218.8	212.7	204.4	196.0	199.3	202.5	209.5
75°	206.1	203.9	199.5	195.2	189.6	184.0	177.8	171.6	174.8	177.9	183.3
77.5°	176.7	174.6	169.9	165.4	160.6	155.9	150.8	145.8	148.9	152.2	156.5
80°	142.6	139.7	136.3	132.8	128.7	124.7	120.5	116.3	119.1	121.8	125.4
82.5°	103.7	98.9	91.4	84.0	85.4	86.8	87.1	87.5	89.5	91.3	93.1
85°	62.9	56.9	49.9	43.0	46.9	50.7	52.6	54.4	56.6	58.7	60.6
87.5°	27.5	25.0	22.1	19.2	22.1	25.1	25.2	25.3	25.7	26.0	26.9
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	646.8	652.7	658.0	663.6	669.0	674.9	680.6	686.3	692.1	697.4	702.8
5°	641.0	651.4	661.9	673.1	684.3	696.2	708.2	720.1	732.0	743.8	755.7
7.5°	639.0	652.4	666.8	682.3	697.9	715.7	733.3	751.4	769.7	789.2	808.9
10°	640.0	654.5	672.2	690.6	709.0	730.5	752.0	776.0	800.0	824.8	849.7
12.5°	641.2	654.7	673.3	694.1	715.0	740.4	765.7	792.8	820.0	847.4	874.6
15°	635.9	646.7	667.3	691.5	715.6	744.8	773.9	803.4	832.9	861.3	889.8
17.5°	619.6	626.3	650.5	679.6	708.6	742.4	776.2	808.4	840.6	869.5	898.3
20°	593.0	594.8	623.0	659.0	694.9	735.9	777.1	812.4	847.8	877.7	907.7
22.5°	562.8	559.4	591.5	634.9	678.2	728.1	778.0	817.6	857.3	888.1	918.7
25°	533.5	524.3	557.3	607.9	658.7	720.4	782.0	827.3	872.7	902.6	932.7
27.5°	508.0	496.7	526.7	583.3	640.0	715.1	790.3	842.3	894.4	923.1	951.7
30°	485.4	476.6	501.8	562.8	623.8	712.7	801.6	861.8	922.1	949.8	977.4
32.5°	465.8	461.9	482.2	545.1	607.9	709.7	811.4	882.2	953.0	980.4	1007.8
35°	447.2	448.7	465.8	527.7	589.6	704.1	818.6	905.4	992.2	1018.4	1044.7
37.5°	427.6	433.6	448.4	507.2	565.8	694.3	822.8	931.3	1039.9	1073.3	1106.8
40°	406.3	415.4	428.9	482.7	536.5	680.9	825.5	964.3	1103.0	1151.8	1200.6
42.5°	383.6	395.1	407.5	455.6	503.8	667.2	830.6	1007.4	1184.2	1254.6	1324.9
45°	361.0	372.2	384.7	426.9	469.1	654.4	839.6	1064.2	1288.7	1383.6	1478.6
47.5°	340.9	350.4	366.6	404.3	441.9	643.8	845.6	1124.5	1403.4	1537.1	1670.6
50°	323.2	334.4	355.6	389.2	422.8	632.2	841.6	1180.6	1519.6	1721.1	1922.5
52.5°	310.0	325.5	349.9	379.2	408.6	612.7	816.9	1217.1	1617.1	1914.3	2211.5
55°	302.9	326.4	349.1	372.1	394.9	580.5	765.9	1209.0	1652.1	2085.7	2519.2
57.5°	298.7	327.3	347.4	363.6	379.7	534.8	690.0	1152.5	1615.1	2207.1	2799.1
60°	294.7	324.5	337.7	350.4	363.2	475.8	588.3	1047.4	1506.5	2237.5	2968.3
62.5°	290.1	317.8	319.4	327.8	336.3	405.0	473.7	905.3	1336.9	2109.7	2882.4
65°	280.3	301.5	301.2	305.2	309.2	341.3	373.4	760.3	1147.3	1928.8	2710.4
67.5°	263.0	274.9	275.4	273.3	271.0	280.1	289.3	618.3	947.3	1713.7	2480.1
70°	241.0	244.9	244.9	234.6	224.3	221.7	219.0	486.8	754.5	1479.0	2203.3
72.5°	216.5	216.5	214.0	199.4	184.7	176.8	169.0	372.2	575.3	1224.5	1873.6
75°	188.6	189.6	178.2	161.8	145.4	138.4	131.2	270.1	409.0	932.6	1456.3
77.5°	160.7	161.2	142.6	126.7	110.7	105.9	101.1	183.1	265.1	652.8	1040.6
80°	128.9	129.0	106.7	93.3	79.7	77.7	75.7	117.9	160.1	420.6	681.0
82.5°	94.8	93.8	74.7	64.8	54.8	54.4	54.1	72.6	91.0	243.4	395.9
85°	62.4	61.1	46.9	39.7	32.4	32.6	32.7	38.7	44.8	109.5	174.1
87.5°	27.6	25.8	20.0	16.9	14.0	14.1	14.3	16.1	17.8	35.9	53.9
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	705.5	708.2	712.0	715.8	718.0	720.3	721.4	722.5	722.0	722.5	721.4
5°	765.1	774.4	783.6	792.8	797.9	802.9	806.0	809.0	811.3	809.0	806.0
7.5°	824.1	839.2	852.8	866.4	874.6	882.8	887.2	891.6	893.8	891.6	887.2
10°	867.6	885.5	901.5	917.5	927.1	936.7	941.1	945.4	947.0	945.4	941.1
12.5°	894.0	913.5	927.9	942.3	949.4	956.3	958.7	961.0	961.2	961.0	958.7
15°	906.6	923.3	932.3	941.5	941.7	942.0	939.4	937.0	934.0	937.0	939.4
17.5°	909.7	921.0	921.2	921.3	911.1	901.0	891.6	882.3	875.8	882.3	891.6
20°	911.6	915.6	903.7	891.9	869.4	847.0	830.7	814.4	804.3	814.4	830.7
22.5°	913.5	908.4	883.7	859.0	825.9	793.0	772.6	752.1	741.1	752.1	772.6
25°	916.4	900.1	862.6	825.1	785.2	745.1	723.5	702.1	691.7	702.1	723.5
27.5°	922.6	893.5	843.8	794.2	749.8	705.4	684.3	663.2	653.3	663.2	684.3
30°	934.0	890.5	829.4	768.3	722.1	675.9	656.3	636.7	627.5	636.7	656.3
32.5°	948.3	888.8	819.7	750.6	707.1	663.7	648.3	632.8	626.3	632.8	648.3
35°	971.8	899.0	827.0	755.0	724.8	694.6	691.1	687.5	687.0	687.5	691.1
37.5°	1021.1	935.4	869.9	804.5	802.6	800.6	817.0	833.4	841.9	833.4	817.0
40°	1107.4	1014.2	965.6	916.9	951.2	985.5	1025.4	1065.3	1085.2	1065.3	1025.4
42.5°	1232.5	1140.1	1112.0	1083.9	1159.0	1233.9	1306.4	1378.9	1421.5	1378.9	1306.4
45°	1395.5	1312.4	1300.1	1287.7	1407.7	1527.9	1647.0	1766.2	1838.5	1766.2	1647.0
47.5°	1589.9	1509.1	1506.5	1504.1	1677.2	1850.4	2024.9	2199.3	2301.7	2199.3	2024.9
50°	1822.7	1722.9	1723.3	1723.7	1947.0	2170.1	2400.4	2630.8	2770.1	2630.8	2400.4
52.5°	2090.7	1969.8	1957.6	1945.4	2212.1	2478.7	2763.6	3048.6	3215.4	3048.6	2763.6
55°	2399.8	2280.4	2232.9	2185.2	2481.9	2778.7	3118.4	3458.0	3656.6	3458.0	3118.4
57.5°	2734.1	2669.1	2573.6	2478.0	2777.6	3077.3	3462.0	3846.8	4092.9	3846.8	3462.0
60°	3069.3	3170.2	3051.6	2932.9	3216.6	3500.1	3912.0	4324.0	4590.1	4324.0	3912.0
62.5°	3158.2	3434.2	3420.8	3407.4	3667.1	3926.9	4318.8	4710.8	4956.7	4710.8	4318.8
65°	2969.4	3228.3	3279.6	3330.8	3660.9	3991.0	4371.0	4751.1	4960.5	4751.1	4371.0
67.5°	2726.4	2972.7	2996.7	3020.7	3364.7	3708.6	4090.3	4471.9	4635.9	4471.9	4090.3
70°	2471.2	2739.1	2749.9	2760.6	3068.2	3375.7	3704.2	4032.7	4123.8	4032.7	3704.2
72.5°	2181.0	2488.4	2496.1	2503.8	2744.4	2985.1	3231.1	3477.0	3486.3	3477.0	3231.1
75°	1774.5	2092.6	2121.2	2149.8	2337.0	2524.3	2697.4	2870.6	2824.2	2870.6	2697.4
77.5°	1337.5	1634.6	1675.5	1716.3	1858.6	2001.0	2123.8	2246.6	2166.8	2246.6	2123.8
80°	930.9	1180.7	1231.5	1282.4	1389.8	1497.3	1561.8	1626.3	1498.0	1626.3	1561.8
82.5°	566.7	737.5	794.3	851.1	925.1	999.1	1025.9	1052.9	952.0	1052.9	1025.9
85°	264.9	355.5	403.7	452.0	512.8	573.6	588.9	604.1	523.4	604.1	588.9
87.5°	84.4	114.9	141.8	168.7	199.2	229.5	230.8	232.1	194.9	232.1	230.8
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):

	330°	335°	340°	345°	350°	355°	360°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	720.3	718.0	715.8	712.0	708.2	705.5	702.8
5°	802.9	797.9	792.8	783.6	774.4	765.1	755.7
7.5°	882.8	874.6	866.4	852.8	839.2	824.1	808.9
10°	936.7	927.1	917.5	901.5	885.5	867.6	849.7
12.5°	956.3	949.4	942.3	927.9	913.5	894.0	874.6
15°	942.0	941.7	941.5	932.3	923.3	906.6	889.8
17.5°	901.0	911.1	921.3	921.2	921.0	909.7	898.3
20°	847.0	869.4	891.9	903.7	915.6	911.6	907.7
22.5°	793.0	825.9	859.0	883.7	908.4	913.5	918.7
25°	745.1	785.2	825.1	862.6	900.1	916.4	932.7
27.5°	705.4	749.8	794.2	843.8	893.5	922.6	951.7
30°	675.9	722.1	768.3	829.4	890.5	934.0	977.4
32.5°	663.7	707.1	750.6	819.7	888.8	948.3	1007.8
35°	694.6	724.8	755.0	827.0	899.0	971.8	1044.7
37.5°	800.6	802.6	804.5	869.9	935.4	1021.1	1106.8
40°	985.5	951.2	916.9	965.6	1014.2	1107.4	1200.6
42.5°	1233.9	1159.0	1083.9	1112.0	1140.1	1232.5	1324.9
45°	1527.9	1407.7	1287.7	1300.1	1312.4	1395.5	1478.6
47.5°	1850.4	1677.2	1504.1	1506.5	1509.1	1589.9	1670.6
50°	2170.1	1947.0	1723.7	1723.3	1722.9	1822.7	1922.5
52.5°	2478.7	2212.1	1945.4	1957.6	1969.8	2090.7	2211.5
55°	2778.7	2481.9	2185.2	2232.9	2280.4	2399.8	2519.2
57.5°	3077.3	2777.6	2478.0	2573.6	2669.1	2734.1	2799.1
60°	3500.1	3216.6	2932.9	3051.6	3170.2	3069.3	2968.3
62.5°	3926.9	3667.1	3407.4	3420.8	3434.2	3158.2	2882.4
65°	3991.0	3660.9	3330.8	3279.6	3228.3	2969.4	2710.4
67.5°	3708.6	3364.7	3020.7	2996.7	2972.7	2726.4	2480.1
70°	3375.7	3068.2	2760.6	2749.9	2739.1	2471.2	2203.3
72.5°	2985.1	2744.4	2503.8	2496.1	2488.4	2181.0	1873.6
75°	2524.3	2337.0	2149.8	2121.2	2092.6	1774.5	1456.3
77.5°	2001.0	1858.6	1716.3	1675.5	1634.6	1337.5	1040.6
80°	1497.3	1389.8	1282.4	1231.5	1180.7	930.9	681.0
82.5°	999.1	925.1	851.1	794.3	737.5	566.7	395.9
85°	573.6	512.8	452.0	403.7	355.5	264.9	174.1
87.5°	229.5	199.2	168.7	141.8	114.9	84.4	53.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)