

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: P959417

Luminaire Tested: **NAV-SB1A-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959417
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-827-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 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: 3985.2 lumens
Efficiency: N/A
Efficacy: 129.0 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



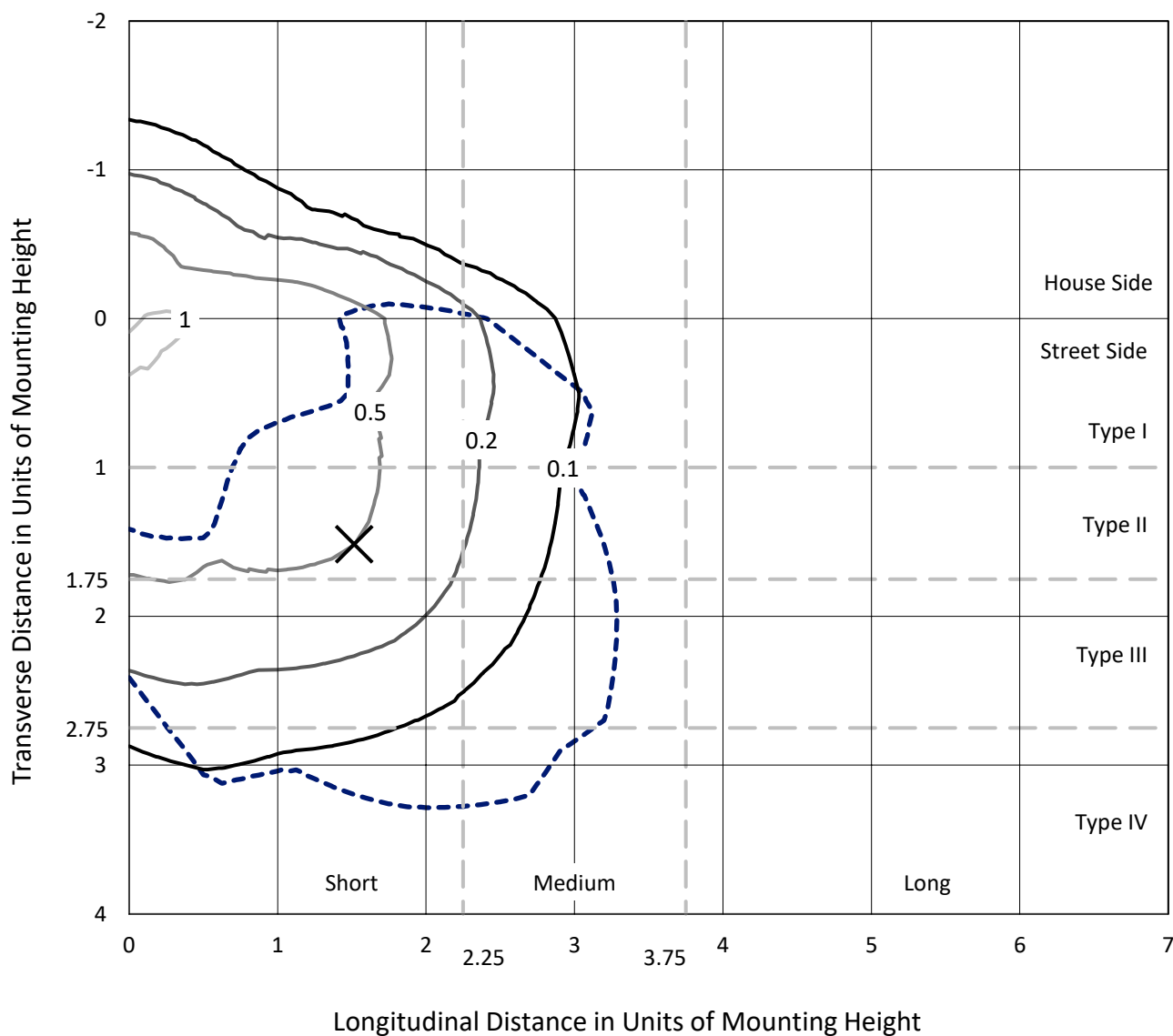
REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

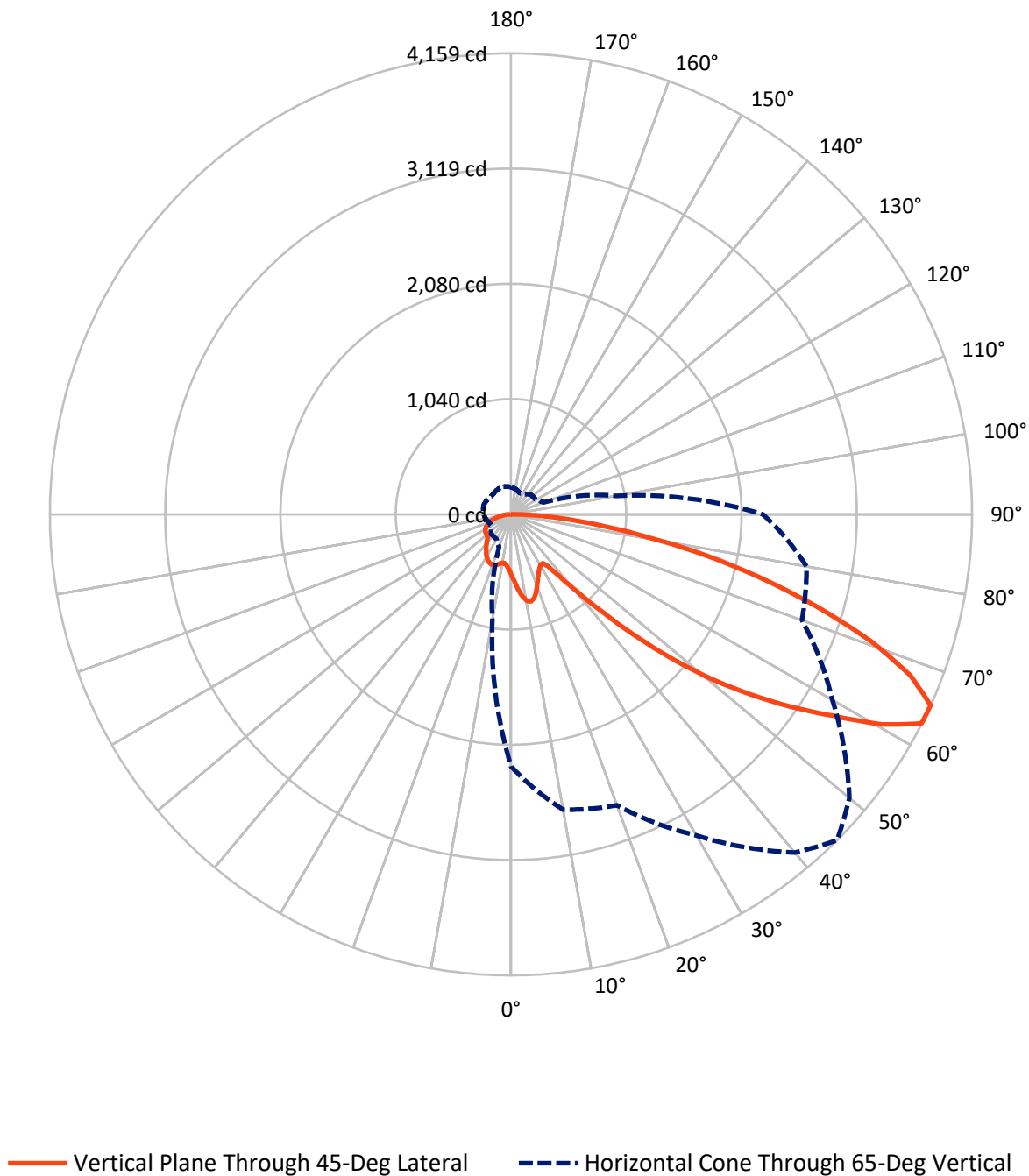


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type IV - Short - N/A

REPORT NUMBER: P959417
CATALOG NUMBER: NAV-SB1A-827-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

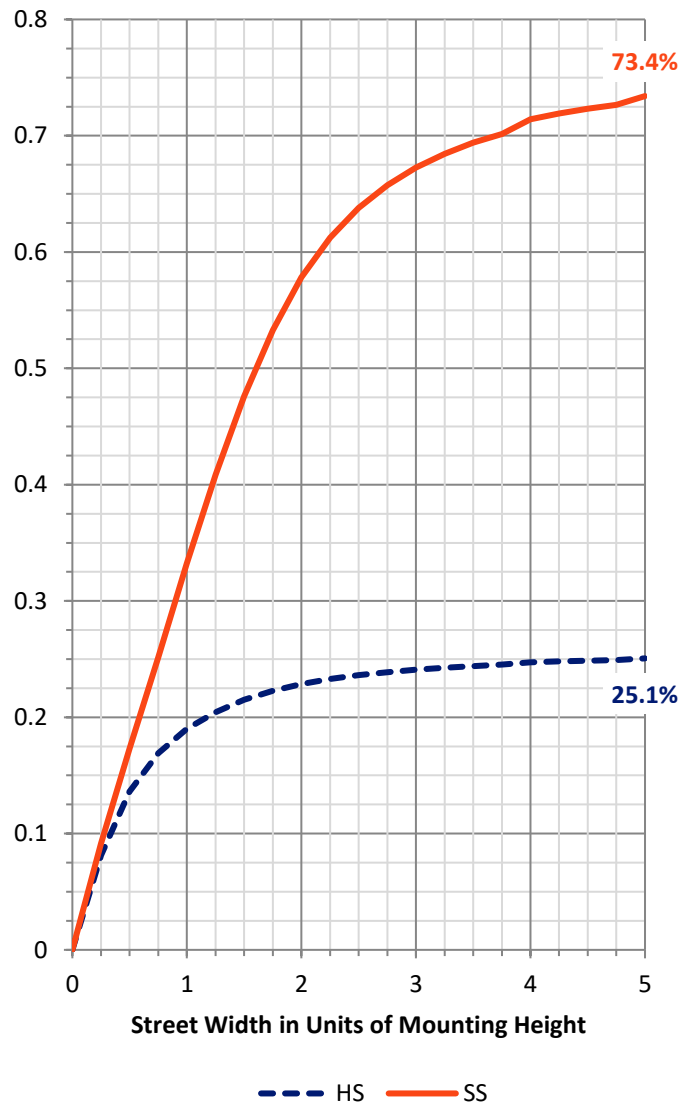
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.8	0.0	1012.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2972.4	0.0	2972.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	3985.2	0.0	3985.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.4
10°-20°	170.7	4.3
20°-30°	263.6	6.6
30°-40°	334.0	8.4
40°-50°	503.8	12.6
50°-60°	814.0	20.4
60°-70°	1014.8	25.5
70°-80°	665.4	16.7
80°-90°	164.5	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°	3985.2	100.0
0°-180°	3985.2	100.0

Coefficient of Utilization



REPORT NUMBER: P959417

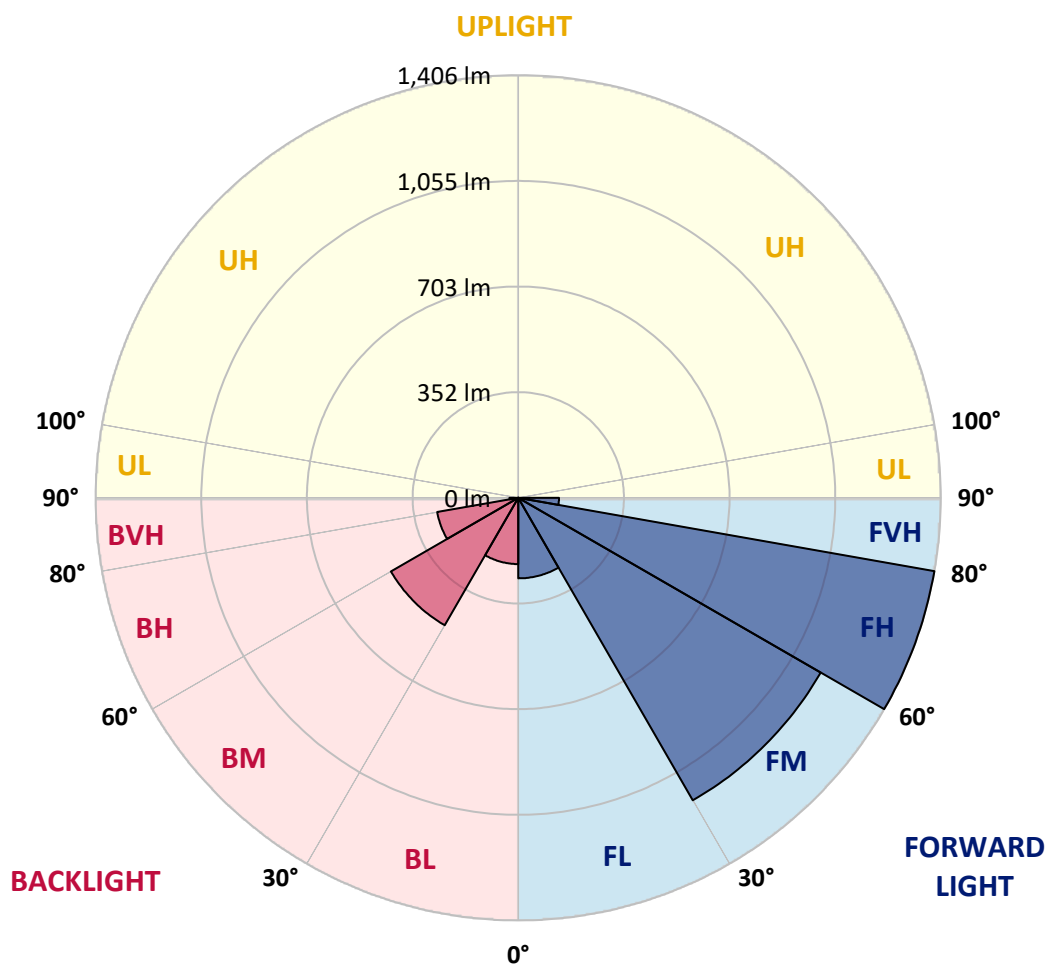
CATALOG NUMBER: NAV-SB1A-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.1	6.7			
FM	(30°-60°)	1162.4	29.2			
FH	(60°-80°)	1406.4	35.3			G1/1800
FVH	(80°-90°)	135.5	3.4			G2/225
BL	(0°-30°)	220.6	5.5	B1/500		
BM	(30°-60°)	489.5	12.3	B1/1000		
BH	(60°-80°)	273.8	6.9	B1/500		G1/500
BVH	(80°-90°)	29.0	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



REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	589.3	591.5	593.8	597.0	600.1	602.1	603.9	604.9	605.9	605.4	605.9
5°	633.7	641.4	649.3	657.0	664.8	669.0	673.2	675.8	678.3	680.3	678.3
7.5°	678.2	691.0	703.7	715.0	726.5	733.4	740.3	743.9	747.6	749.5	747.6
10°	712.5	727.4	742.5	755.8	769.3	777.4	785.5	789.0	792.6	794.1	792.6
12.5°	733.4	749.7	765.9	778.0	790.1	796.0	801.9	803.8	805.9	806.1	805.9
15°	746.1	760.1	774.2	781.8	789.4	789.6	789.8	787.7	785.6	783.1	785.6
17.5°	753.3	762.7	772.2	772.3	772.4	763.9	755.4	747.6	739.8	734.3	739.8
20°	761.2	764.4	767.7	757.8	747.7	729.0	710.1	696.5	682.8	674.3	682.8
22.5°	770.3	766.0	761.6	740.9	720.3	692.6	664.9	647.8	630.7	621.4	630.7
25°	782.1	768.3	754.7	723.3	691.9	658.3	624.7	606.7	588.8	579.9	588.8
27.5°	798.1	773.6	749.2	707.6	665.9	628.7	591.5	573.8	556.1	547.8	556.1
30°	819.6	783.1	746.7	695.5	644.3	605.5	566.7	550.3	533.8	526.1	533.8
32.5°	845.0	795.1	745.3	687.3	629.3	592.9	556.5	543.6	530.6	525.1	530.6
35°	876.0	814.9	753.8	693.4	633.0	607.7	582.4	579.4	576.5	575.9	576.5
37.5°	927.9	856.2	784.3	729.4	674.6	672.9	671.3	685.0	698.7	705.9	698.7
40°	1006.7	928.5	850.3	809.5	768.7	797.6	826.4	859.8	893.3	909.9	893.3
42.5°	1110.9	1033.4	955.9	932.4	908.9	971.7	1034.5	1095.4	1156.2	1191.9	1156.2
45°	1239.7	1170.1	1100.4	1090.1	1079.7	1180.4	1281.0	1381.0	1480.9	1541.6	1480.9
47.5°	1400.8	1333.1	1265.4	1263.2	1261.2	1406.3	1551.5	1697.8	1844.1	1930.0	1844.1
50°	1611.9	1528.3	1444.6	1444.9	1445.4	1632.5	1819.6	2012.7	2205.8	2322.5	2205.8
52.5°	1854.3	1753.0	1651.7	1641.4	1631.2	1854.7	2078.3	2317.2	2556.1	2696.1	2556.1
55°	2112.3	2012.2	1912.1	1872.2	1832.3	2081.1	2329.8	2614.7	2899.5	3066.0	2899.5
57.5°	2346.9	2292.5	2238.0	2157.8	2077.8	2329.0	2580.2	2902.8	3225.5	3431.8	3225.5
60°	2488.8	2573.5	2658.1	2558.7	2459.2	2697.0	2934.7	3280.1	3625.5	3848.6	3625.5
62.5°	2416.7	2648.1	2879.4	2868.3	2857.0	3074.8	3292.6	3621.2	3949.8	4156.1	3949.8
65°	2272.6	2489.7	2706.9	2749.9	2792.8	3069.6	3346.3	3665.0	3983.7	4159.2	3983.7
67.5°	2079.5	2286.0	2492.5	2512.7	2532.8	2821.1	3109.5	3429.5	3749.6	3887.1	3749.6
70°	1847.5	2072.0	2296.7	2305.6	2314.7	2572.5	2830.4	3105.9	3381.3	3457.7	3381.3
72.5°	1570.9	1828.7	2086.4	2092.9	2099.4	2301.1	2502.9	2709.2	2915.4	2923.2	2915.4
75°	1221.1	1487.9	1754.7	1778.6	1802.6	1959.5	2116.5	2261.7	2406.9	2368.0	2406.9
77.5°	872.5	1121.5	1370.5	1404.8	1439.1	1558.4	1677.7	1780.7	1883.7	1816.8	1883.7
80°	571.0	780.5	990.0	1032.6	1075.2	1165.3	1255.4	1309.5	1363.6	1256.0	1363.6
82.5°	331.9	475.2	618.4	665.9	713.6	775.6	837.6	860.2	882.7	798.3	882.7
85°	146.1	222.0	298.1	338.6	379.0	430.0	480.9	493.7	506.6	438.9	506.6
87.5°	45.2	70.7	96.4	118.9	141.4	167.0	192.5	193.5	194.6	163.4	194.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	604.9	603.9	602.1	600.1	597.0	593.8	591.5	589.3	584.8	580.3	575.4
5°	675.8	673.2	669.0	664.8	657.0	649.3	641.4	633.7	623.7	613.7	603.7
7.5°	743.9	740.3	733.4	726.5	715.0	703.7	691.0	678.2	661.7	645.3	630.1
10°	789.0	785.5	777.4	769.3	755.8	742.5	727.4	712.5	691.6	670.8	650.7
12.5°	803.8	801.9	796.0	790.1	778.0	765.9	749.7	733.4	710.4	687.6	664.8
15°	787.7	789.8	789.6	789.4	781.8	774.2	760.1	746.1	722.2	698.3	673.6
17.5°	747.6	755.4	763.9	772.4	772.3	772.2	762.7	753.3	729.1	704.8	677.8
20°	696.5	710.1	729.0	747.7	757.8	767.7	764.4	761.2	735.9	710.8	681.1
22.5°	647.8	664.9	692.6	720.3	740.9	761.6	766.0	770.3	744.6	718.8	685.6
25°	606.7	624.7	658.3	691.9	723.3	754.7	768.3	782.1	756.9	731.6	693.7
27.5°	573.8	591.5	628.7	665.9	707.6	749.2	773.6	798.1	774.0	750.0	706.3
30°	550.3	566.7	605.5	644.3	695.5	746.7	783.1	819.6	796.3	773.2	722.6
32.5°	543.6	556.5	592.9	629.3	687.3	745.3	795.1	845.0	822.0	799.1	739.7
35°	579.4	582.4	607.7	633.0	693.4	753.8	814.9	876.0	853.9	831.9	759.1
37.5°	685.0	671.3	672.9	674.6	729.4	784.3	856.2	927.9	900.0	871.9	780.8
40°	859.8	826.4	797.6	768.7	809.5	850.3	928.5	1006.7	965.8	924.9	808.5
42.5°	1095.4	1034.5	971.7	908.9	932.4	955.9	1033.4	1110.9	1052.0	992.9	844.7
45°	1381.0	1281.0	1180.4	1079.7	1090.1	1100.4	1170.1	1239.7	1160.1	1080.6	892.3
47.5°	1697.8	1551.5	1406.3	1261.2	1263.2	1265.4	1333.1	1400.8	1288.8	1176.7	942.9
50°	2012.7	1819.6	1632.5	1445.4	1444.9	1444.6	1528.3	1611.9	1443.1	1274.2	989.9
52.5°	2317.2	2078.3	1854.7	1631.2	1641.4	1651.7	1753.0	1854.3	1605.0	1355.9	1020.5
55°	2614.7	2329.8	2081.1	1832.3	1872.2	1912.1	2012.2	2112.3	1748.8	1385.3	1013.7
57.5°	2902.8	2580.2	2329.0	2077.8	2157.8	2238.0	2292.5	2346.9	1850.5	1354.2	966.4
60°	3280.1	2934.7	2697.0	2459.2	2558.7	2658.1	2573.5	2488.8	1876.1	1263.2	878.2
62.5°	3621.2	3292.6	3074.8	2857.0	2868.3	2879.4	2648.1	2416.7	1768.8	1120.9	759.1
65°	3665.0	3346.3	3069.6	2792.8	2749.9	2706.9	2489.7	2272.6	1617.2	962.0	637.4
67.5°	3429.5	3109.5	2821.1	2532.8	2512.7	2492.5	2286.0	2079.5	1436.8	794.3	518.3
70°	3105.9	2830.4	2572.5	2314.7	2305.6	2296.7	2072.0	1847.5	1240.0	632.6	408.2
72.5°	2709.2	2502.9	2301.1	2099.4	2092.9	2086.4	1828.7	1570.9	1026.6	482.4	312.0
75°	2261.7	2116.5	1959.5	1802.6	1778.6	1754.7	1487.9	1221.1	782.1	343.0	226.5
77.5°	1780.7	1677.7	1558.4	1439.1	1404.8	1370.5	1121.5	872.5	547.3	222.2	153.4
80°	1309.5	1255.4	1165.3	1075.2	1032.6	990.0	780.5	571.0	352.6	134.3	98.9
82.5°	860.2	837.6	775.6	713.6	665.9	618.4	475.2	331.9	204.1	76.3	60.8
85°	493.7	480.9	430.0	379.0	338.6	298.1	222.0	146.1	91.8	37.6	32.5
87.5°	193.5	192.5	167.0	141.4	118.9	96.4	70.7	45.2	30.0	15.0	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

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	570.6	565.8	561.0	556.4	551.8	547.2	542.3	538.2	534.2	530.5	527.0
5°	593.8	583.7	573.8	564.4	555.0	546.2	537.5	529.8	522.2	515.9	509.4
7.5°	614.9	600.0	585.2	572.2	559.1	547.0	535.8	525.6	515.5	507.1	498.7
10°	630.6	612.5	594.5	579.1	563.6	548.8	536.6	525.9	515.3	506.9	498.5
12.5°	642.0	620.7	599.5	582.0	564.6	549.0	537.6	528.9	520.2	514.7	509.0
15°	648.9	624.4	599.9	579.7	559.5	542.2	533.2	529.0	524.8	525.6	526.3
17.5°	650.9	622.5	594.1	569.8	545.4	525.1	519.5	521.0	522.5	531.8	540.9
20°	651.5	617.0	582.7	552.6	522.3	498.7	497.2	504.4	511.5	527.5	543.4
22.5°	652.3	610.5	568.7	532.3	496.0	469.0	471.9	482.5	493.0	511.3	529.4
25°	655.7	603.9	552.3	509.7	467.3	439.6	447.4	459.6	471.8	488.1	504.5
27.5°	662.6	599.6	536.7	489.1	441.7	416.5	425.9	437.7	449.5	462.9	476.3
30°	672.1	597.6	523.1	471.9	420.8	399.6	407.0	416.4	425.8	437.0	448.0
32.5°	680.3	595.0	509.7	457.0	404.3	387.2	390.5	396.1	401.6	410.5	419.4
35°	686.3	590.3	494.4	442.4	390.5	376.3	374.9	376.5	378.0	384.8	391.5
37.5°	689.9	582.2	474.5	425.2	376.0	363.6	358.5	356.9	355.2	360.1	364.9
40°	692.2	570.9	449.8	404.7	359.6	348.3	340.7	336.8	333.0	336.6	340.1
42.5°	696.4	559.4	422.4	382.0	341.6	331.3	321.6	316.6	311.5	314.4	317.2
45°	704.0	548.7	393.4	358.0	322.6	312.0	302.7	297.8	292.8	295.3	297.8
47.5°	709.1	539.8	370.4	339.0	307.4	293.9	285.8	281.7	277.6	279.8	282.1
50°	705.7	530.1	354.5	326.4	298.2	280.3	270.9	267.3	263.6	267.2	270.7
52.5°	685.0	513.7	342.6	318.0	293.5	273.0	259.8	256.2	252.7	258.0	263.3
55°	642.2	486.7	331.2	311.9	292.7	273.7	254.0	248.3	242.5	250.1	257.7
57.5°	578.6	448.5	318.4	304.8	291.2	274.4	250.4	242.1	233.8	241.9	250.0
60°	493.3	398.9	304.5	293.9	283.2	272.1	247.1	236.4	225.5	232.7	239.7
62.5°	397.2	339.6	282.0	274.9	267.8	266.4	243.2	229.8	216.3	220.8	225.3
65°	313.0	286.2	259.3	255.9	252.6	252.8	235.1	220.8	206.4	208.2	209.8
67.5°	242.5	234.8	227.2	229.1	230.9	230.4	220.6	208.6	196.7	196.1	195.6
70°	183.7	185.8	188.0	196.7	205.3	205.3	202.1	193.6	185.1	183.2	181.3
72.5°	141.7	148.3	154.9	167.2	179.4	181.4	181.5	175.7	169.8	167.1	164.3
75°	110.0	116.0	122.0	135.7	149.4	159.0	158.2	153.6	149.2	146.6	143.9
77.5°	84.7	88.8	92.9	106.2	119.5	135.2	134.8	131.2	127.6	124.9	122.2
80°	63.6	65.2	66.8	78.2	89.5	108.2	108.1	105.2	102.1	99.8	97.6
82.5°	45.4	45.7	46.0	54.3	62.6	78.6	79.5	78.1	76.6	75.0	73.4
85°	27.5	27.3	27.2	33.2	39.4	51.2	52.4	50.7	49.2	47.5	45.6
87.5°	12.0	11.9	11.7	14.2	16.7	21.6	23.2	22.5	21.8	21.5	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	523.8	520.6	517.4	514.2	511.8	509.3	507.3	505.3	503.8	502.2	500.8
5°	503.9	498.3	493.1	488.0	484.0	480.1	477.3	474.6	472.6	470.7	469.1
7.5°	491.6	484.5	478.3	472.0	467.3	462.6	459.3	456.0	453.8	451.6	450.3
10°	490.8	483.1	476.1	469.0	463.4	457.9	454.2	450.5	448.3	446.2	445.1
12.5°	503.1	497.0	489.7	482.5	475.4	468.2	463.5	458.7	456.3	454.0	453.0
15°	524.8	523.3	516.9	510.6	500.4	490.3	483.0	475.8	472.5	469.2	468.0
17.5°	545.8	550.6	545.5	540.4	527.0	513.4	502.9	492.3	487.4	482.5	480.9
20°	553.6	563.8	561.4	559.0	543.7	528.2	515.3	502.2	496.0	489.7	487.8
22.5°	542.7	556.0	557.4	558.8	544.1	529.4	516.0	502.7	496.0	489.4	487.2
25°	517.5	530.5	535.5	540.3	528.3	516.2	504.3	492.4	486.8	481.0	479.0
27.5°	486.8	497.3	502.7	508.2	499.6	491.0	481.7	472.5	468.6	464.8	463.9
30°	456.7	465.5	469.9	474.3	467.7	461.1	454.6	447.9	446.0	444.0	444.0
32.5°	427.7	436.1	441.0	445.9	439.9	433.9	428.6	423.3	422.0	420.8	420.9
35°	399.7	408.1	413.9	419.8	415.5	411.2	406.4	401.5	399.5	397.6	397.2
37.5°	373.2	381.4	388.7	396.0	394.0	392.0	387.6	383.0	379.5	376.0	374.0
40°	348.0	356.0	364.4	372.7	373.2	373.7	369.8	366.0	360.9	355.8	352.3
42.5°	324.8	332.3	341.4	350.4	352.8	355.3	352.1	348.9	342.5	336.0	331.0
45°	304.8	312.0	321.4	330.8	334.3	337.7	334.8	331.9	324.6	317.2	311.3
47.5°	289.0	296.1	305.3	314.6	318.6	322.6	320.5	318.6	312.0	305.4	300.0
50°	277.4	283.9	292.2	300.5	305.7	310.8	310.7	310.6	305.3	300.1	295.0
52.5°	269.4	275.4	283.1	290.8	296.9	303.0	304.1	305.1	300.9	296.6	292.1
55°	264.1	270.7	277.5	284.2	290.6	297.0	298.6	300.1	296.4	292.7	288.7
57.5°	257.7	265.4	272.0	278.7	285.3	291.7	293.3	294.8	291.0	287.3	283.3
60°	248.6	257.4	264.1	270.9	277.5	284.0	285.7	287.3	283.7	280.0	275.9
62.5°	235.5	245.8	253.1	260.3	266.3	272.2	273.9	275.5	272.2	269.0	264.7
65°	220.9	231.9	238.8	245.7	251.0	256.2	257.9	259.5	256.4	253.2	249.0
67.5°	205.7	215.9	222.4	229.0	233.5	238.1	239.7	241.3	238.4	235.4	231.6
70°	190.2	199.2	204.8	210.5	214.6	218.7	220.3	221.8	219.5	217.1	213.4
72.5°	171.4	178.4	183.5	188.6	192.6	196.7	198.5	200.4	198.3	196.4	192.9
75°	149.1	154.3	159.0	163.6	167.3	170.9	172.8	174.8	173.8	172.8	169.8
77.5°	126.5	130.7	134.7	138.7	142.6	146.4	148.2	150.0	148.6	147.2	144.2
80°	101.1	104.7	107.9	111.3	114.3	117.2	119.6	122.0	121.4	120.8	116.7
82.5°	73.1	72.8	71.6	70.4	76.7	82.9	87.0	91.0	90.8	90.5	87.1
85°	44.1	42.5	39.4	36.1	41.9	47.8	52.8	57.8	57.4	57.0	54.3
87.5°	21.1	21.1	18.6	16.1	18.6	21.0	23.1	25.1	24.6	24.0	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

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	499.3	497.5	499.3	500.8	502.2	503.8	505.3	507.3	509.3	511.8	514.2
5°	467.7	466.2	467.7	469.1	470.7	472.6	474.6	477.3	480.1	484.0	488.0
7.5°	449.0	447.9	449.0	450.3	451.6	453.8	456.0	459.3	462.6	467.3	472.0
10°	443.9	443.5	443.9	445.1	446.2	448.3	450.5	454.2	457.9	463.4	469.0
12.5°	452.0	451.9	452.0	453.0	454.0	456.3	458.7	463.5	468.2	475.4	482.5
15°	466.7	466.6	466.7	468.0	469.2	472.5	475.8	483.0	490.3	500.4	510.6
17.5°	479.3	479.0	479.3	480.9	482.5	487.4	492.3	502.9	513.4	527.0	540.4
20°	485.7	485.1	485.7	487.8	489.7	496.0	502.2	515.3	528.2	543.7	559.0
22.5°	485.0	484.1	485.0	487.2	489.4	496.0	502.7	516.0	529.4	544.1	558.8
25°	476.9	475.7	476.9	479.0	481.0	486.8	492.4	504.3	516.2	528.3	540.3
27.5°	462.9	462.6	462.9	463.9	464.8	468.6	472.5	481.7	491.0	499.6	508.2
30°	444.0	444.3	444.0	444.0	444.0	446.0	447.9	454.6	461.1	467.7	474.3
32.5°	421.1	421.4	421.1	420.9	420.8	422.0	423.3	428.6	433.9	439.9	445.9
35°	396.8	396.6	396.8	397.2	397.6	399.5	401.5	406.4	411.2	415.5	419.8
37.5°	372.2	371.2	372.2	374.0	376.0	379.5	383.0	387.6	392.0	394.0	396.0
40°	348.8	346.8	348.8	352.3	355.8	360.9	366.0	369.8	373.7	373.2	372.7
42.5°	325.8	322.6	325.8	331.0	336.0	342.5	348.9	352.1	355.3	352.8	350.4
45°	305.3	301.6	305.3	311.3	317.2	324.6	331.9	334.8	337.7	334.3	330.8
47.5°	294.5	290.8	294.5	300.0	305.4	312.0	318.6	320.5	322.6	318.6	314.6
50°	290.0	286.4	290.0	295.0	300.1	305.3	310.6	310.7	310.8	305.7	300.5
52.5°	287.5	284.3	287.5	292.1	296.6	300.9	305.1	304.1	303.0	296.9	290.8
55°	284.7	281.8	284.7	288.7	292.7	296.4	300.1	298.6	297.0	290.6	284.2
57.5°	279.3	276.3	279.3	283.3	287.3	291.0	294.8	293.3	291.7	285.3	278.7
60°	271.9	268.8	271.9	275.9	280.0	283.7	287.3	285.7	284.0	277.5	270.9
62.5°	260.3	256.6	260.3	264.7	269.0	272.2	275.5	273.9	272.2	266.3	260.3
65°	244.9	241.6	244.9	249.0	253.2	256.4	259.5	257.9	256.2	251.0	245.7
67.5°	227.8	224.8	227.8	231.6	235.4	238.4	241.3	239.7	238.1	233.5	229.0
70°	209.6	206.3	209.6	213.4	217.1	219.5	221.8	220.3	218.7	214.6	210.5
72.5°	189.3	186.1	189.3	192.9	196.4	198.3	200.4	198.5	196.7	192.6	188.6
75°	167.0	163.8	167.0	169.8	172.8	173.8	174.8	172.8	170.9	167.3	163.6
77.5°	141.2	138.8	141.2	144.2	147.2	148.6	150.0	148.2	146.4	142.6	138.7
80°	112.7	108.0	112.7	116.7	120.8	121.4	122.0	119.6	117.2	114.3	111.3
82.5°	83.7	80.8	83.7	87.1	90.5	90.8	91.0	87.0	82.9	76.7	70.4
85°	51.7	49.0	51.7	54.3	57.0	57.4	57.8	52.8	47.8	41.9	36.1
87.5°	21.3	20.0	21.3	22.7	24.0	24.6	25.1	23.1	21.0	18.6	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	517.4	520.6	523.8	527.0	530.5	534.2	538.2	542.3	547.2	551.8	556.4
5°	493.1	498.3	503.9	509.4	515.9	522.2	529.8	537.5	546.2	555.0	564.4
7.5°	478.3	484.5	491.6	498.7	507.1	515.5	525.6	535.8	547.0	559.1	572.2
10°	476.1	483.1	490.8	498.5	506.9	515.3	525.9	536.6	548.8	563.6	579.1
12.5°	489.7	497.0	503.1	509.0	514.7	520.2	528.9	537.6	549.0	564.6	582.0
15°	516.9	523.3	524.8	526.3	525.6	524.8	529.0	533.2	542.2	559.5	579.7
17.5°	545.5	550.6	545.8	540.9	531.8	522.5	521.0	519.5	525.1	545.4	569.8
20°	561.4	563.8	553.6	543.4	527.5	511.5	504.4	497.2	498.7	522.3	552.6
22.5°	557.4	556.0	542.7	529.4	511.3	493.0	482.5	471.9	469.0	496.0	532.3
25°	535.5	530.5	517.5	504.5	488.1	471.8	459.6	447.4	439.6	467.3	509.7
27.5°	502.7	497.3	486.8	476.3	462.9	449.5	437.7	425.9	416.5	441.7	489.1
30°	469.9	465.5	456.7	448.0	437.0	425.8	416.4	407.0	399.6	420.8	471.9
32.5°	441.0	436.1	427.7	419.4	410.5	401.6	396.1	390.5	387.2	404.3	457.0
35°	413.9	408.1	399.7	391.5	384.8	378.0	376.5	374.9	376.3	390.5	442.4
37.5°	388.7	381.4	373.2	364.9	360.1	355.2	356.9	358.5	363.6	376.0	425.2
40°	364.4	356.0	348.0	340.1	336.6	333.0	336.8	340.7	348.3	359.6	404.7
42.5°	341.4	332.3	324.8	317.2	314.4	311.5	316.6	321.6	331.3	341.6	382.0
45°	321.4	312.0	304.8	297.8	295.3	292.8	297.8	302.7	312.0	322.6	358.0
47.5°	305.3	296.1	289.0	282.1	279.8	277.6	281.7	285.8	293.9	307.4	339.0
50°	292.2	283.9	277.4	270.7	267.2	263.6	267.3	270.9	280.3	298.2	326.4
52.5°	283.1	275.4	269.4	263.3	258.0	252.7	256.2	259.8	273.0	293.5	318.0
55°	277.5	270.7	264.1	257.7	250.1	242.5	248.3	254.0	273.7	292.7	311.9
57.5°	272.0	265.4	257.7	250.0	241.9	233.8	242.1	250.4	274.4	291.2	304.8
60°	264.1	257.4	248.6	239.7	232.7	225.5	236.4	247.1	272.1	283.2	293.9
62.5°	253.1	245.8	235.5	225.3	220.8	216.3	229.8	243.2	266.4	267.8	274.9
65°	238.8	231.9	220.9	209.8	208.2	206.4	220.8	235.1	252.8	252.6	255.9
67.5°	222.4	215.9	205.7	195.6	196.1	196.7	208.6	220.6	230.4	230.9	229.1
70°	204.8	199.2	190.2	181.3	183.2	185.1	193.6	202.1	205.3	205.3	196.7
72.5°	183.5	178.4	171.4	164.3	167.1	169.8	175.7	181.5	181.4	179.4	167.2
75°	159.0	154.3	149.1	143.9	146.6	149.2	153.6	158.2	159.0	149.4	135.7
77.5°	134.7	130.7	126.5	122.2	124.9	127.6	131.2	134.8	135.2	119.5	106.2
80°	107.9	104.7	101.1	97.6	99.8	102.1	105.2	108.1	108.2	89.5	78.2
82.5°	71.6	72.8	73.1	73.4	75.0	76.6	78.1	79.5	78.6	62.6	54.3
85°	39.4	42.5	44.1	45.6	47.5	49.2	50.7	52.4	51.2	39.4	33.2
87.5°	18.6	21.1	21.1	21.2	21.5	21.8	22.5	23.2	21.6	16.7	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P959417

CATALOG NUMBER: NAV-SB1A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	561.0	565.8	570.6	575.4	580.3	584.8	589.3
5°	573.8	583.7	593.8	603.7	613.7	623.7	633.7
7.5°	585.2	600.0	614.9	630.1	645.3	661.7	678.2
10°	594.5	612.5	630.6	650.7	670.8	691.6	712.5
12.5°	599.5	620.7	642.0	664.8	687.6	710.4	733.4
15°	599.9	624.4	648.9	673.6	698.3	722.2	746.1
17.5°	594.1	622.5	650.9	677.8	704.8	729.1	753.3
20°	582.7	617.0	651.5	681.1	710.8	735.9	761.2
22.5°	568.7	610.5	652.3	685.6	718.8	744.6	770.3
25°	552.3	603.9	655.7	693.7	731.6	756.9	782.1
27.5°	536.7	599.6	662.6	706.3	750.0	774.0	798.1
30°	523.1	597.6	672.1	722.6	773.2	796.3	819.6
32.5°	509.7	595.0	680.3	739.7	799.1	822.0	845.0
35°	494.4	590.3	686.3	759.1	831.9	853.9	876.0
37.5°	474.5	582.2	689.9	780.8	871.9	900.0	927.9
40°	449.8	570.9	692.2	808.5	924.9	965.8	1006.7
42.5°	422.4	559.4	696.4	844.7	992.9	1052.0	1110.9
45°	393.4	548.7	704.0	892.3	1080.6	1160.1	1239.7
47.5°	370.4	539.8	709.1	942.9	1176.7	1288.8	1400.8
50°	354.5	530.1	705.7	989.9	1274.2	1443.1	1611.9
52.5°	342.6	513.7	685.0	1020.5	1355.9	1605.0	1854.3
55°	331.2	486.7	642.2	1013.7	1385.3	1748.8	2112.3
57.5°	318.4	448.5	578.6	966.4	1354.2	1850.5	2346.9
60°	304.5	398.9	493.3	878.2	1263.2	1876.1	2488.8
62.5°	282.0	339.6	397.2	759.1	1120.9	1768.8	2416.7
65°	259.3	286.2	313.0	637.4	962.0	1617.2	2272.6
67.5°	227.2	234.8	242.5	518.3	794.3	1436.8	2079.5
70°	188.0	185.8	183.7	408.2	632.6	1240.0	1847.5
72.5°	154.9	148.3	141.7	312.0	482.4	1026.6	1570.9
75°	122.0	116.0	110.0	226.5	343.0	782.1	1221.1
77.5°	92.9	88.8	84.7	153.4	222.2	547.3	872.5
80°	66.8	65.2	63.6	98.9	134.3	352.6	571.0
82.5°	46.0	45.7	45.4	60.8	76.3	204.1	331.9
85°	27.2	27.3	27.5	32.5	37.6	91.8	146.1
87.5°	11.7	11.9	12.0	13.5	15.0	30.0	45.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)