

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: P960502

Luminaire Tested: **NAV-SB1C-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960502
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-SB1C-830-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6874.7 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 54.4
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



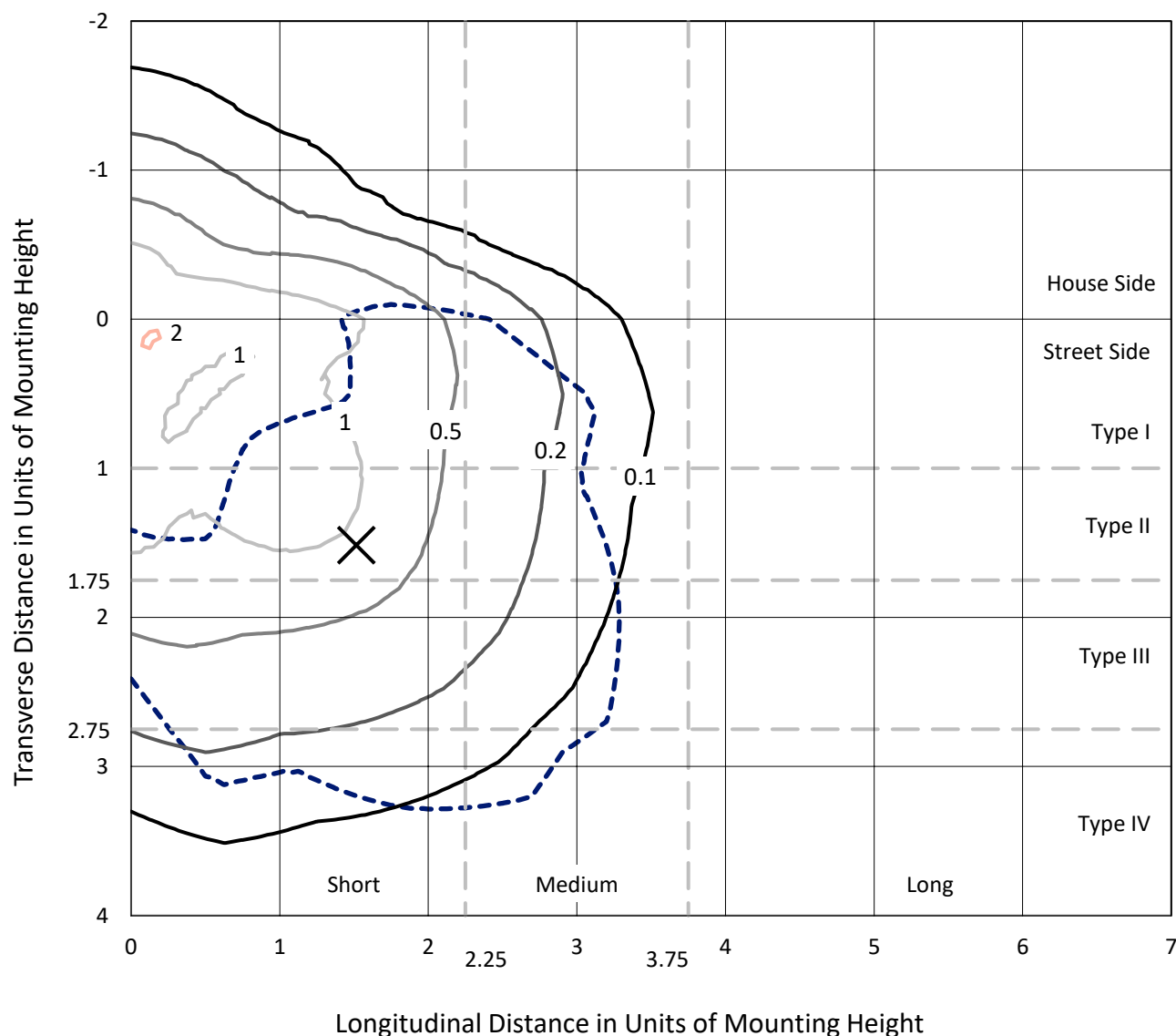
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

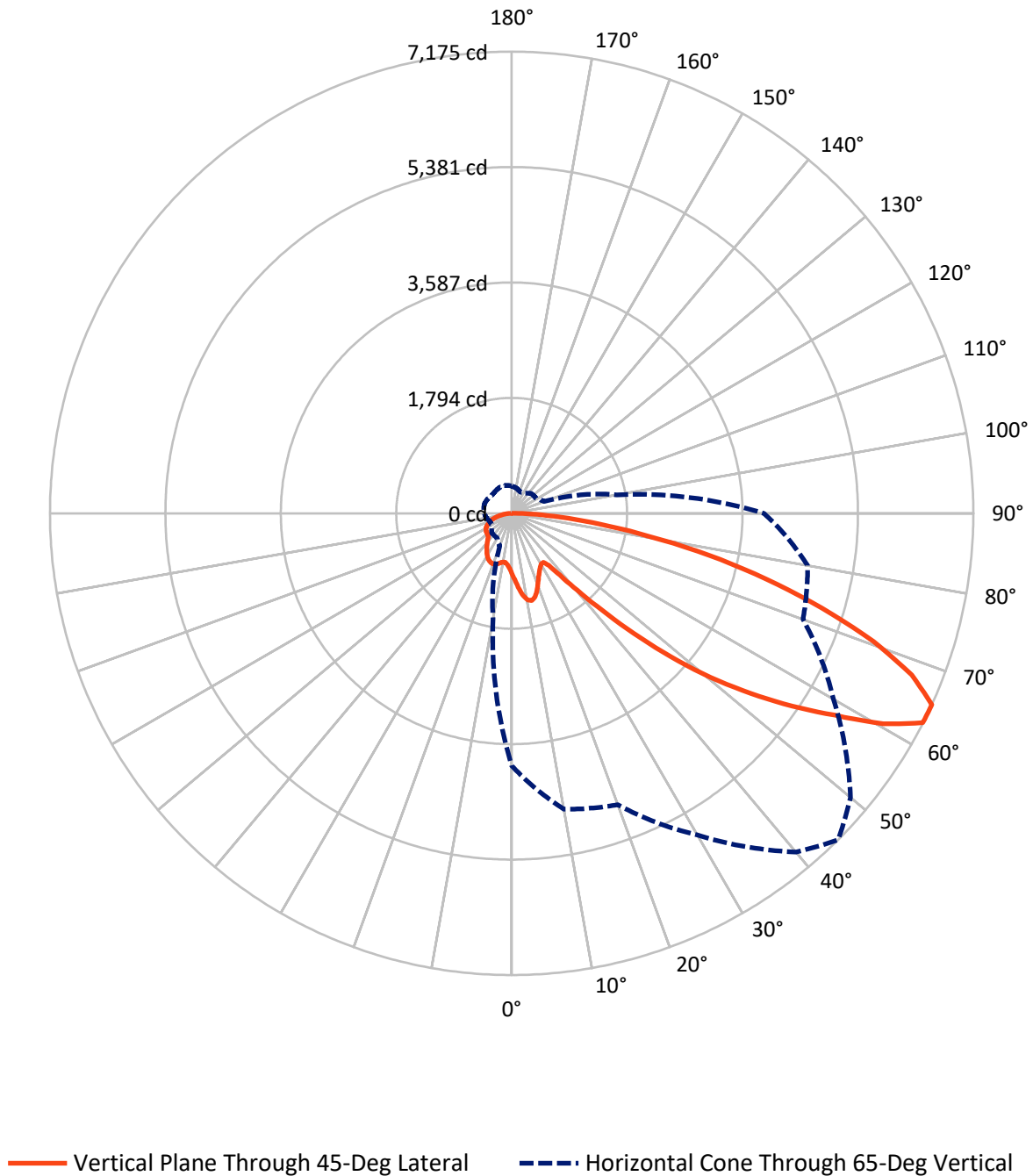


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1747.2	0.0	1747.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5127.5	0.0	5127.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	6874.7	0.0	6874.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.4
10°-20°	294.4	4.3
20°-30°	454.7	6.6
30°-40°	576.2	8.4
40°-50°	869.1	12.6
50°-60°	1404.2	20.4
60°-70°	1750.5	25.5
70°-80°	1147.9	16.7
80°-90°	283.8	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°	6874.7	100.0
0°-180°	6874.7	100.0

Coefficient of Utilization



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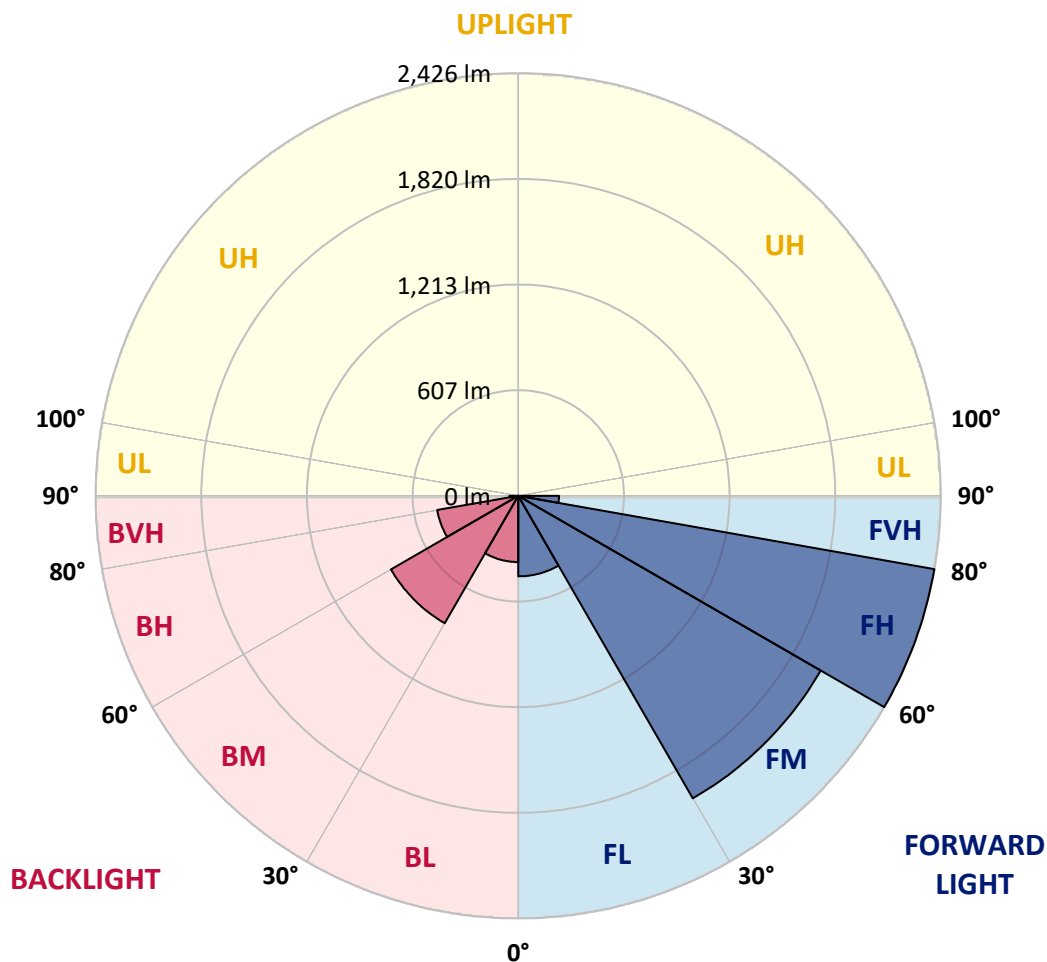
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	462.4	6.7			
FM	(30°-60°)	2005.2	29.2			
FH	(60°-80°)	2426.1	35.3			G2/5000
FVH	(80°-90°)	233.8	3.4			G3/500
BL	(0°-30°)	380.5	5.5	B1/500		
BM	(30°-60°)	844.4	12.3	B1/1000		
BH	(60°-80°)	472.4	6.9	B1/500		G1/500
BVH	(80°-90°)	50.0	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	1016.6	1020.5	1024.4	1029.8	1035.2	1038.5	1041.8	1043.4	1045.1	1044.4	1045.1
5°	1093.2	1106.6	1120.1	1133.4	1146.9	1154.0	1161.3	1165.7	1170.1	1173.5	1170.1
7.5°	1170.0	1192.0	1213.8	1233.5	1253.3	1265.1	1276.9	1283.4	1289.8	1292.8	1289.8
10°	1229.0	1254.9	1280.8	1303.9	1327.0	1341.0	1354.9	1361.2	1367.4	1369.7	1367.4
12.5°	1265.1	1293.1	1321.2	1342.1	1362.9	1373.1	1383.2	1386.6	1390.1	1390.4	1390.1
15°	1287.0	1311.3	1335.5	1348.6	1361.7	1362.0	1362.4	1358.7	1355.2	1350.8	1355.2
17.5°	1299.4	1315.7	1332.1	1332.3	1332.6	1317.8	1303.2	1289.8	1276.2	1266.7	1276.2
20°	1313.0	1318.7	1324.4	1307.2	1290.0	1257.5	1225.1	1201.5	1177.8	1163.4	1177.8
22.5°	1328.7	1321.3	1313.8	1278.1	1242.4	1194.7	1147.0	1117.5	1087.9	1071.9	1087.9
25°	1349.1	1325.5	1302.0	1247.7	1193.5	1135.6	1077.7	1046.6	1015.7	1000.5	1015.7
27.5°	1376.7	1334.4	1292.3	1220.5	1148.7	1084.6	1020.4	989.8	959.3	944.9	959.3
30°	1413.8	1350.9	1288.1	1199.8	1111.4	1044.5	977.6	949.3	921.0	907.6	921.0
32.5°	1457.8	1371.7	1285.6	1185.6	1085.7	1022.7	959.9	937.7	915.4	905.8	915.4
35°	1511.1	1405.7	1300.4	1196.2	1092.0	1048.4	1004.7	999.6	994.4	993.5	994.4
37.5°	1600.8	1476.9	1353.0	1258.3	1163.6	1160.8	1157.9	1181.7	1205.4	1217.8	1205.4
40°	1736.5	1601.8	1467.0	1396.6	1326.1	1375.9	1425.6	1483.2	1540.9	1569.6	1540.9
42.5°	1916.4	1782.7	1649.0	1608.4	1567.8	1676.3	1784.6	1889.6	1994.4	2056.0	1994.4
45°	2138.6	2018.5	1898.3	1880.5	1862.5	2036.2	2209.9	2382.2	2554.7	2659.4	2554.7
47.5°	2416.4	2299.6	2182.7	2179.1	2175.5	2426.0	2676.5	2928.8	3181.1	3329.3	3181.1
50°	2780.6	2636.3	2492.0	2492.6	2493.2	2816.1	3139.0	3472.1	3805.2	4006.6	3805.2
52.5°	3198.7	3024.0	2849.2	2831.6	2813.8	3199.5	3585.1	3997.3	4409.4	4650.8	4409.4
55°	3643.9	3471.2	3298.4	3229.6	3160.7	3590.0	4019.1	4510.4	5001.8	5288.9	5001.8
57.5°	4048.6	3954.7	3860.6	3722.4	3584.2	4017.6	4451.1	5007.5	5564.0	5920.1	5564.0
60°	4293.3	4439.4	4585.4	4413.9	4242.3	4652.4	5062.6	5658.4	6254.2	6639.0	6254.2
62.5°	4169.1	4568.1	4967.3	4947.9	4928.5	5304.2	5679.9	6246.9	6813.7	7169.4	6813.7
65°	3920.4	4295.0	4669.5	4743.6	4817.7	5295.2	5772.6	6322.3	6872.0	7174.8	6872.0
67.5°	3587.2	3943.5	4299.7	4334.4	4369.2	4866.6	5364.0	5916.1	6468.2	6705.4	6468.2
70°	3186.9	3574.4	3961.9	3977.4	3993.0	4437.8	4882.7	5357.8	5832.9	5964.7	5832.9
72.5°	2709.9	3154.5	3599.2	3610.4	3621.5	3969.6	4317.6	4673.5	5029.3	5042.6	5029.3
75°	2106.5	2566.7	3026.8	3068.1	3109.5	3380.2	3651.0	3901.6	4152.1	4084.9	4152.1
77.5°	1505.0	1934.6	2364.3	2423.3	2482.4	2688.4	2894.2	3071.8	3249.6	3134.1	3249.6
80°	985.0	1346.4	1707.9	1781.3	1854.8	2010.3	2165.7	2259.0	2352.3	2166.7	2352.3
82.5°	572.6	819.7	1066.8	1148.8	1231.0	1338.0	1445.0	1483.9	1522.8	1377.0	1522.8
85°	251.9	383.0	514.2	584.0	653.8	741.8	829.6	851.8	873.9	757.1	873.9
87.5°	78.0	122.1	166.2	205.1	244.1	288.0	332.0	333.8	335.7	281.9	335.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	1043.4	1041.8	1038.5	1035.2	1029.8	1024.4	1020.5	1016.6	1008.8	1001.0	992.7
5°	1165.7	1161.3	1154.0	1146.9	1133.4	1120.1	1106.6	1093.2	1075.9	1058.7	1041.5
7.5°	1283.4	1276.9	1265.1	1253.3	1233.5	1213.8	1192.0	1170.0	1141.6	1113.3	1086.9
10°	1361.2	1354.9	1341.0	1327.0	1303.9	1280.8	1254.9	1229.0	1193.1	1157.1	1122.4
12.5°	1386.6	1383.2	1373.1	1362.9	1342.1	1321.2	1293.1	1265.1	1225.6	1186.1	1146.8
15°	1358.7	1362.4	1362.0	1361.7	1348.6	1335.5	1311.3	1287.0	1245.9	1204.7	1162.0
17.5°	1289.8	1303.2	1317.8	1332.6	1332.3	1332.1	1315.7	1299.4	1257.6	1215.9	1169.3
20°	1201.5	1225.1	1257.5	1290.0	1307.2	1324.4	1318.7	1313.0	1269.6	1226.2	1175.1
22.5°	1117.5	1147.0	1194.7	1242.4	1278.1	1313.8	1321.3	1328.7	1284.4	1240.0	1182.7
25°	1046.6	1077.7	1135.6	1193.5	1247.7	1302.0	1325.5	1349.1	1305.6	1262.2	1196.7
27.5°	989.8	1020.4	1084.6	1148.7	1220.5	1292.3	1334.4	1376.7	1335.2	1293.8	1218.4
30°	949.3	977.6	1044.5	1111.4	1199.8	1288.1	1350.9	1413.8	1373.8	1333.7	1246.6
32.5°	937.7	959.9	1022.7	1085.7	1185.6	1285.6	1371.7	1457.8	1418.1	1378.4	1276.0
35°	999.6	1004.7	1048.4	1092.0	1196.2	1300.4	1405.7	1511.1	1473.1	1435.1	1309.5
37.5°	1181.7	1157.9	1160.8	1163.6	1258.3	1353.0	1476.9	1600.8	1552.5	1504.1	1347.1
40°	1483.2	1425.6	1375.9	1326.1	1396.6	1467.0	1601.8	1736.5	1665.9	1595.4	1394.7
42.5°	1889.6	1784.6	1676.3	1567.8	1608.4	1649.0	1782.7	1916.4	1814.7	1712.9	1457.1
45°	2382.2	2209.9	2036.2	1862.5	1880.5	1898.3	2018.5	2138.6	2001.3	1864.0	1539.1
47.5°	2928.8	2676.5	2426.0	2175.5	2179.1	2182.7	2299.6	2416.4	2223.2	2029.9	1626.6
50°	3472.1	3139.0	2816.1	2493.2	2492.6	2492.0	2636.3	2780.6	2489.3	2198.0	1707.6
52.5°	3997.3	3585.1	3199.5	2813.8	2831.6	2849.2	3024.0	3198.7	2768.8	2339.0	1760.3
55°	4510.4	4019.1	3590.0	3160.7	3229.6	3298.4	3471.2	3643.9	3016.7	2389.6	1748.8
57.5°	5007.5	4451.1	4017.6	3584.2	3722.4	3860.6	3954.7	4048.6	3192.4	2336.1	1667.1
60°	5658.4	5062.6	4652.4	4242.3	4413.9	4585.4	4439.4	4293.3	3236.2	2179.1	1515.1
62.5°	6246.9	5679.9	5304.2	4928.5	4947.9	4967.3	4568.1	4169.1	3051.4	1933.8	1309.4
65°	6322.3	5772.6	5295.2	4817.7	4743.6	4669.5	4295.0	3920.4	2789.9	1659.4	1099.7
67.5°	5916.1	5364.0	4866.6	4369.2	4334.4	4299.7	3943.5	3587.2	2478.8	1370.2	894.2
70°	5357.8	4882.7	4437.8	3993.0	3977.4	3961.9	3574.4	3186.9	2139.2	1091.3	704.1
72.5°	4673.5	4317.6	3969.6	3621.5	3610.4	3599.2	3154.5	2709.9	1771.0	832.2	538.3
75°	3901.6	3651.0	3380.2	3109.5	3068.1	3026.8	2566.7	2106.5	1349.0	591.5	390.7
77.5°	3071.8	2894.2	2688.4	2482.4	2423.3	2364.3	1934.6	1505.0	944.2	383.3	264.8
80°	2259.0	2165.7	2010.3	1854.8	1781.3	1707.9	1346.4	985.0	608.3	231.6	170.6
82.5°	1483.9	1445.0	1338.0	1231.0	1148.8	1066.8	819.7	572.6	352.1	131.6	104.9
85°	851.8	829.6	741.8	653.8	584.0	514.2	383.0	251.9	158.4	64.9	56.1
87.5°	333.8	332.0	288.0	244.1	205.1	166.2	122.1	78.0	51.9	25.7	23.3
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°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	984.4	976.1	967.7	959.8	951.8	944.0	935.4	928.4	921.6	915.3	909.1
5°	1024.4	1007.1	989.7	973.6	957.5	942.3	927.2	914.1	900.9	889.9	878.8
7.5°	1060.7	1035.1	1009.5	987.0	964.5	943.7	924.2	906.7	889.3	874.7	860.3
10°	1087.7	1056.7	1025.6	999.0	972.2	946.6	925.7	907.2	888.8	874.3	859.8
12.5°	1107.5	1070.8	1034.2	1004.1	974.0	947.0	927.5	912.4	897.4	887.8	878.1
15°	1119.4	1077.2	1035.0	1000.1	965.2	935.3	919.7	912.6	905.4	906.6	907.9
17.5°	1122.8	1073.8	1024.8	982.9	941.0	905.8	896.2	898.8	901.4	917.3	933.1
20°	1123.9	1064.6	1005.2	953.1	901.2	860.3	857.7	870.0	882.4	909.9	937.4
22.5°	1125.3	1053.2	980.9	918.3	855.7	809.1	814.1	832.3	850.5	881.9	913.4
25°	1131.1	1041.9	952.7	879.3	806.1	758.3	771.7	792.8	813.8	842.0	870.2
27.5°	1143.0	1034.4	925.8	843.8	761.9	718.4	734.7	755.0	775.4	798.6	821.7
30°	1159.4	1030.8	902.2	814.1	725.9	689.4	702.2	718.3	734.5	753.7	773.0
32.5°	1173.5	1026.5	879.3	788.4	697.4	668.0	673.7	683.3	692.8	708.2	723.5
35°	1184.0	1018.3	852.8	763.2	673.6	649.1	646.8	649.4	652.0	663.8	675.5
37.5°	1190.1	1004.3	818.5	733.5	648.6	627.2	618.6	615.6	612.7	621.2	629.6
40°	1194.0	984.9	775.9	698.1	620.3	600.9	587.6	581.1	574.5	580.6	586.6
42.5°	1201.4	965.0	728.7	659.1	589.4	571.5	554.8	546.1	537.4	542.3	547.3
45°	1214.3	946.5	678.7	617.6	556.5	538.3	522.1	513.7	505.2	509.4	513.6
47.5°	1223.2	931.1	639.1	584.8	530.3	507.0	493.0	486.0	478.9	482.8	486.7
50°	1217.4	914.5	611.5	562.9	514.3	483.6	467.4	461.0	454.8	460.9	467.0
52.5°	1181.6	886.3	590.9	548.6	506.2	470.9	448.3	442.1	435.8	445.1	454.2
55°	1107.8	839.6	571.2	538.1	505.0	472.1	438.1	428.2	418.4	431.4	444.4
57.5°	998.1	773.7	549.2	525.8	502.5	473.3	432.0	417.7	403.3	417.3	431.3
60°	851.0	688.2	525.3	507.0	488.5	469.4	426.3	407.7	389.1	401.4	413.6
62.5°	685.2	585.8	486.4	474.2	462.0	459.6	419.6	396.4	373.1	380.9	388.7
65°	540.1	493.6	447.3	441.5	435.7	436.0	405.6	380.8	356.1	359.1	362.0
67.5°	418.3	405.2	392.0	395.1	398.4	397.6	380.5	359.9	339.3	338.2	337.3
70°	316.8	320.6	324.4	339.3	354.2	354.2	348.6	333.9	319.3	316.0	312.7
72.5°	244.5	255.7	267.1	288.3	309.4	313.0	313.1	303.1	293.0	288.2	283.5
75°	189.8	200.1	210.4	234.1	257.9	274.3	272.9	265.2	257.4	252.8	248.2
77.5°	146.2	153.1	160.1	183.2	206.2	233.3	232.6	226.3	220.1	215.5	210.8
80°	109.6	112.4	115.3	134.9	154.4	186.7	186.5	181.3	176.1	172.2	168.3
82.5°	78.3	78.8	79.3	93.7	108.1	135.7	137.1	134.7	132.1	129.4	126.6
85°	47.4	47.0	46.8	57.3	67.9	88.4	90.3	87.6	84.9	81.8	78.7
87.5°	20.7	20.5	20.2	24.5	28.8	37.4	39.9	38.8	37.7	37.1	36.6
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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CATALOG NUMBER: NAV-SB1C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	903.5	898.1	892.6	887.1	882.8	878.6	875.1	871.7	869.0	866.3	863.9
5°	869.2	859.5	850.6	841.7	835.0	828.2	823.4	818.7	815.3	811.9	809.3
7.5°	848.1	835.8	824.9	814.2	806.1	798.1	792.4	786.7	782.9	779.0	776.6
10°	846.6	833.4	821.2	809.1	799.5	789.8	783.5	777.1	773.5	769.8	767.8
12.5°	867.8	857.5	844.9	832.3	820.0	807.7	799.5	791.3	787.2	783.2	781.5
15°	905.3	902.6	891.6	880.8	863.2	845.6	833.2	820.8	815.2	809.4	807.3
17.5°	941.5	949.9	941.1	932.2	909.0	885.8	867.5	849.2	840.8	832.3	829.5
20°	954.9	972.5	968.4	964.4	937.8	911.2	888.8	866.4	855.7	844.8	841.4
22.5°	936.2	959.1	961.6	964.0	938.6	913.2	890.1	867.0	855.7	844.3	840.5
25°	892.8	915.3	923.7	932.1	911.2	890.5	869.9	849.5	839.6	829.8	826.2
27.5°	839.8	857.8	867.2	876.6	861.7	847.0	831.1	815.1	808.5	801.9	800.2
30°	787.9	803.0	810.6	818.2	806.9	795.6	784.2	772.7	769.4	766.0	766.0
32.5°	737.9	752.2	760.8	769.3	758.8	748.5	739.3	730.2	728.0	725.8	726.1
35°	689.6	703.9	714.1	724.3	716.8	709.5	701.1	692.7	689.3	685.9	685.2
37.5°	643.7	657.9	670.6	683.1	679.7	676.2	668.5	660.7	654.7	648.5	645.3
40°	600.3	614.1	628.5	643.0	643.8	644.6	638.1	631.5	622.6	613.7	607.7
42.5°	560.3	573.3	589.0	604.5	608.6	612.8	607.3	601.8	590.7	579.6	570.9
45°	525.9	538.2	554.4	570.6	576.6	582.6	577.6	572.6	560.0	547.3	537.1
47.5°	498.7	510.8	526.7	542.6	549.6	556.5	553.0	549.5	538.2	527.0	517.5
50°	478.5	489.7	504.1	518.3	527.3	536.1	535.9	535.7	526.7	517.7	508.9
52.5°	464.6	475.0	488.3	501.6	512.2	522.6	524.5	526.4	519.1	511.8	503.9
55°	455.7	466.9	478.6	490.3	501.3	512.5	515.1	517.7	511.4	504.9	498.0
57.5°	444.5	457.8	469.2	480.8	492.0	503.2	505.8	508.5	502.0	495.6	488.7
60°	428.8	443.9	455.6	467.4	478.7	489.8	492.8	495.7	489.4	483.1	476.1
62.5°	406.3	424.0	436.5	449.1	459.4	469.7	472.5	475.3	469.6	463.9	456.5
65°	381.0	400.0	411.9	423.8	433.0	442.0	444.8	447.7	442.2	436.8	429.6
67.5°	354.9	372.4	383.8	395.0	402.8	410.7	413.5	416.3	411.2	406.2	399.5
70°	328.1	343.5	353.3	363.2	370.2	377.3	380.0	382.6	378.5	374.4	368.1
72.5°	295.6	307.7	316.5	325.4	332.3	339.3	342.5	345.6	342.2	338.8	332.7
75°	257.2	266.2	274.2	282.2	288.5	294.9	298.2	301.6	299.8	298.2	293.0
77.5°	218.1	225.5	232.4	239.2	245.9	252.5	255.6	258.7	256.4	254.0	248.9
80°	174.5	180.5	186.2	192.1	197.1	202.1	206.2	210.4	209.4	208.4	201.5
82.5°	126.1	125.6	123.5	121.6	132.2	143.0	150.1	157.0	156.6	156.2	150.4
85°	76.1	73.5	67.9	62.2	72.3	82.3	91.0	99.7	99.0	98.3	93.7
87.5°	36.5	36.4	32.1	27.8	32.0	36.2	39.8	43.3	42.3	41.4	39.2
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: P960502

CATALOG NUMBER: NAV-SB1C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	861.3	858.2	861.3	863.9	866.3	869.0	871.7	875.1	878.6	882.8	887.1
5°	806.8	804.2	806.8	809.3	811.9	815.3	818.7	823.4	828.2	835.0	841.7
7.5°	774.4	772.6	774.4	776.6	779.0	782.9	786.7	792.4	798.1	806.1	814.2
10°	765.9	765.1	765.9	767.8	769.8	773.5	777.1	783.5	789.8	799.5	809.1
12.5°	779.8	779.5	779.8	781.5	783.2	787.2	791.3	799.5	807.7	820.0	832.3
15°	805.1	804.9	805.1	807.3	809.4	815.2	820.8	833.2	845.6	863.2	880.8
17.5°	826.8	826.4	826.8	829.5	832.3	840.8	849.2	867.5	885.8	909.0	932.2
20°	837.9	836.9	837.9	841.4	844.8	855.7	866.4	888.8	911.2	937.8	964.4
22.5°	836.7	835.1	836.7	840.5	844.3	855.7	867.0	890.1	913.2	938.6	964.0
25°	822.7	820.5	822.7	826.2	829.8	839.6	849.5	869.9	890.5	911.2	932.1
27.5°	798.6	798.1	798.6	800.2	801.9	808.5	815.1	831.1	847.0	861.7	876.6
30°	766.0	766.5	766.0	766.0	766.0	769.4	772.7	784.2	795.6	806.9	818.2
32.5°	726.4	726.9	726.4	726.1	725.8	728.0	730.2	739.3	748.5	758.8	769.3
35°	684.5	684.2	684.5	685.2	685.9	689.3	692.7	701.1	709.5	716.8	724.3
37.5°	642.1	640.2	642.1	645.3	648.5	654.7	660.7	668.5	676.2	679.7	683.1
40°	601.8	598.2	601.8	607.7	613.7	622.6	631.5	638.1	644.6	643.8	643.0
42.5°	562.2	556.5	562.2	570.9	579.6	590.7	601.8	607.3	612.8	608.6	604.5
45°	526.7	520.2	526.7	537.1	547.3	560.0	572.6	577.6	582.6	576.6	570.6
47.5°	508.0	501.6	508.0	517.5	527.0	538.2	549.5	553.0	556.5	549.6	542.6
50°	500.2	494.0	500.2	508.9	517.7	526.7	535.7	535.9	536.1	527.3	518.3
52.5°	496.1	490.5	496.1	503.9	511.8	519.1	526.4	524.5	522.6	512.2	501.6
55°	491.2	486.1	491.2	498.0	504.9	511.4	517.7	515.1	512.5	501.3	490.3
57.5°	482.0	476.6	482.0	488.7	495.6	502.0	508.5	505.8	503.2	492.0	480.8
60°	469.0	463.6	469.0	476.1	483.1	489.4	495.7	492.8	489.8	478.7	467.4
62.5°	449.1	442.6	449.1	456.5	463.9	469.6	475.3	472.5	469.7	459.4	449.1
65°	422.4	416.8	422.4	429.6	436.8	442.2	447.7	444.8	442.0	433.0	423.8
67.5°	392.9	387.8	392.9	399.5	406.2	411.2	416.3	413.5	410.7	402.8	395.0
70°	361.6	355.9	361.6	368.1	374.4	378.5	382.6	380.0	377.3	370.2	363.2
72.5°	326.7	321.0	326.7	332.7	338.8	342.2	345.6	342.5	339.3	332.3	325.4
75°	287.9	282.6	287.9	293.0	298.2	299.8	301.6	298.2	294.9	288.5	282.2
77.5°	243.7	239.4	243.7	248.9	254.0	256.4	258.7	255.6	252.5	245.9	239.2
80°	194.5	186.4	194.5	201.5	208.4	209.4	210.4	206.2	202.1	197.1	192.1
82.5°	144.4	139.3	144.4	150.4	156.2	156.6	157.0	150.1	143.0	132.2	121.6
85°	89.2	84.6	89.2	93.7	98.3	99.0	99.7	91.0	82.3	72.3	62.2
87.5°	36.7	34.4	36.7	39.2	41.4	42.3	43.3	39.8	36.2	32.0	27.8
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: P960502

CATALOG NUMBER: NAV-SB1C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	892.6	898.1	903.5	909.1	915.3	921.6	928.4	935.4	944.0	951.8	959.8
5°	850.6	859.5	869.2	878.8	889.9	900.9	914.1	927.2	942.3	957.5	973.6
7.5°	824.9	835.8	848.1	860.3	874.7	889.3	906.7	924.2	943.7	964.5	987.0
10°	821.2	833.4	846.6	859.8	874.3	888.8	907.2	925.7	946.6	972.2	999.0
12.5°	844.9	857.5	867.8	878.1	887.8	897.4	912.4	927.5	947.0	974.0	1004.1
15°	891.6	902.6	905.3	907.9	906.6	905.4	912.6	919.7	935.3	965.2	1000.1
17.5°	941.1	949.9	941.5	933.1	917.3	901.4	898.8	896.2	905.8	941.0	982.9
20°	968.4	972.5	954.9	937.4	909.9	882.4	870.0	857.7	860.3	901.2	953.1
22.5°	961.6	959.1	936.2	913.4	881.9	850.5	832.3	814.1	809.1	855.7	918.3
25°	923.7	915.3	892.8	870.2	842.0	813.8	792.8	771.7	758.3	806.1	879.3
27.5°	867.2	857.8	839.8	821.7	798.6	775.4	755.0	734.7	718.4	761.9	843.8
30°	810.6	803.0	787.9	773.0	753.7	734.5	718.3	702.2	689.4	725.9	814.1
32.5°	760.8	752.2	737.9	723.5	708.2	692.8	683.3	673.7	668.0	697.4	788.4
35°	714.1	703.9	689.6	675.5	663.8	652.0	649.4	646.8	649.1	673.6	763.2
37.5°	670.6	657.9	643.7	629.6	621.2	612.7	615.6	618.6	627.2	648.6	733.5
40°	628.5	614.1	600.3	586.6	580.6	574.5	581.1	587.6	600.9	620.3	698.1
42.5°	589.0	573.3	560.3	547.3	542.3	537.4	546.1	554.8	571.5	589.4	659.1
45°	554.4	538.2	525.9	513.6	509.4	505.2	513.7	522.1	538.3	556.5	617.6
47.5°	526.7	510.8	498.7	486.7	482.8	478.9	486.0	493.0	507.0	530.3	584.8
50°	504.1	489.7	478.5	467.0	460.9	454.8	461.0	467.4	483.6	514.3	562.9
52.5°	488.3	475.0	464.6	454.2	445.1	435.8	442.1	448.3	470.9	506.2	548.6
55°	478.6	466.9	455.7	444.4	431.4	418.4	428.2	438.1	472.1	505.0	538.1
57.5°	469.2	457.8	444.5	431.3	417.3	403.3	417.7	432.0	473.3	502.5	525.8
60°	455.6	443.9	428.8	413.6	401.4	389.1	407.7	426.3	469.4	488.5	507.0
62.5°	436.5	424.0	406.3	388.7	380.9	373.1	396.4	419.6	459.6	462.0	474.2
65°	411.9	400.0	381.0	362.0	359.1	356.1	380.8	405.6	436.0	435.7	441.5
67.5°	383.8	372.4	354.9	337.3	338.2	339.3	359.9	380.5	397.6	398.4	395.1
70°	353.3	343.5	328.1	312.7	316.0	319.3	333.9	348.6	354.2	354.2	339.3
72.5°	316.5	307.7	295.6	283.5	288.2	293.0	303.1	313.1	313.0	309.4	288.3
75°	274.2	266.2	257.2	248.2	252.8	257.4	265.2	272.9	274.3	257.9	234.1
77.5°	232.4	225.5	218.1	210.8	215.5	220.1	226.3	232.6	233.3	206.2	183.2
80°	186.2	180.5	174.5	168.3	172.2	176.1	181.3	186.5	186.7	154.4	134.9
82.5°	123.5	125.6	126.1	126.6	129.4	132.1	134.7	137.1	135.7	108.1	93.7
85°	67.9	73.5	76.1	78.7	81.8	84.9	87.6	90.3	88.4	67.9	57.3
87.5°	32.1	36.4	36.5	36.6	37.1	37.7	38.8	39.9	37.4	28.8	24.5
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: P960502

CATALOG NUMBER: NAV-SB1C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	967.7	976.1	984.4	992.7	1001.0	1008.8	1016.6
5°	989.7	1007.1	1024.4	1041.5	1058.7	1075.9	1093.2
7.5°	1009.5	1035.1	1060.7	1086.9	1113.3	1141.6	1170.0
10°	1025.6	1056.7	1087.7	1122.4	1157.1	1193.1	1229.0
12.5°	1034.2	1070.8	1107.5	1146.8	1186.1	1225.6	1265.1
15°	1035.0	1077.2	1119.4	1162.0	1204.7	1245.9	1287.0
17.5°	1024.8	1073.8	1122.8	1169.3	1215.9	1257.6	1299.4
20°	1005.2	1064.6	1123.9	1175.1	1226.2	1269.6	1313.0
22.5°	980.9	1053.2	1125.3	1182.7	1240.0	1284.4	1328.7
25°	952.7	1041.9	1131.1	1196.7	1262.2	1305.6	1349.1
27.5°	925.8	1034.4	1143.0	1218.4	1293.8	1335.2	1376.7
30°	902.2	1030.8	1159.4	1246.6	1333.7	1373.8	1413.8
32.5°	879.3	1026.5	1173.5	1276.0	1378.4	1418.1	1457.8
35°	852.8	1018.3	1184.0	1309.5	1435.1	1473.1	1511.1
37.5°	818.5	1004.3	1190.1	1347.1	1504.1	1552.5	1600.8
40°	775.9	984.9	1194.0	1394.7	1595.4	1665.9	1736.5
42.5°	728.7	965.0	1201.4	1457.1	1712.9	1814.7	1916.4
45°	678.7	946.5	1214.3	1539.1	1864.0	2001.3	2138.6
47.5°	639.1	931.1	1223.2	1626.6	2029.9	2223.2	2416.4
50°	611.5	914.5	1217.4	1707.6	2198.0	2489.3	2780.6
52.5°	590.9	886.3	1181.6	1760.3	2339.0	2768.8	3198.7
55°	571.2	839.6	1107.8	1748.8	2389.6	3016.7	3643.9
57.5°	549.2	773.7	998.1	1667.1	2336.1	3192.4	4048.6
60°	525.3	688.2	851.0	1515.1	2179.1	3236.2	4293.3
62.5°	486.4	585.8	685.2	1309.4	1933.8	3051.4	4169.1
65°	447.3	493.6	540.1	1099.7	1659.4	2789.9	3920.4
67.5°	392.0	405.2	418.3	894.2	1370.2	2478.8	3587.2
70°	324.4	320.6	316.8	704.1	1091.3	2139.2	3186.9
72.5°	267.1	255.7	244.5	538.3	832.2	1771.0	2709.9
75°	210.4	200.1	189.8	390.7	591.5	1349.0	2106.5
77.5°	160.1	153.1	146.2	264.8	383.3	944.2	1505.0
80°	115.3	112.4	109.6	170.6	231.6	608.3	985.0
82.5°	79.3	78.8	78.3	104.9	131.6	352.1	572.6
85°	46.8	47.0	47.4	56.1	64.9	158.4	251.9
87.5°	20.2	20.5	20.7	23.3	25.7	51.9	78.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)