

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: P960533

Luminaire Tested: **NAV-SB1C-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960533
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-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7097.1 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - 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



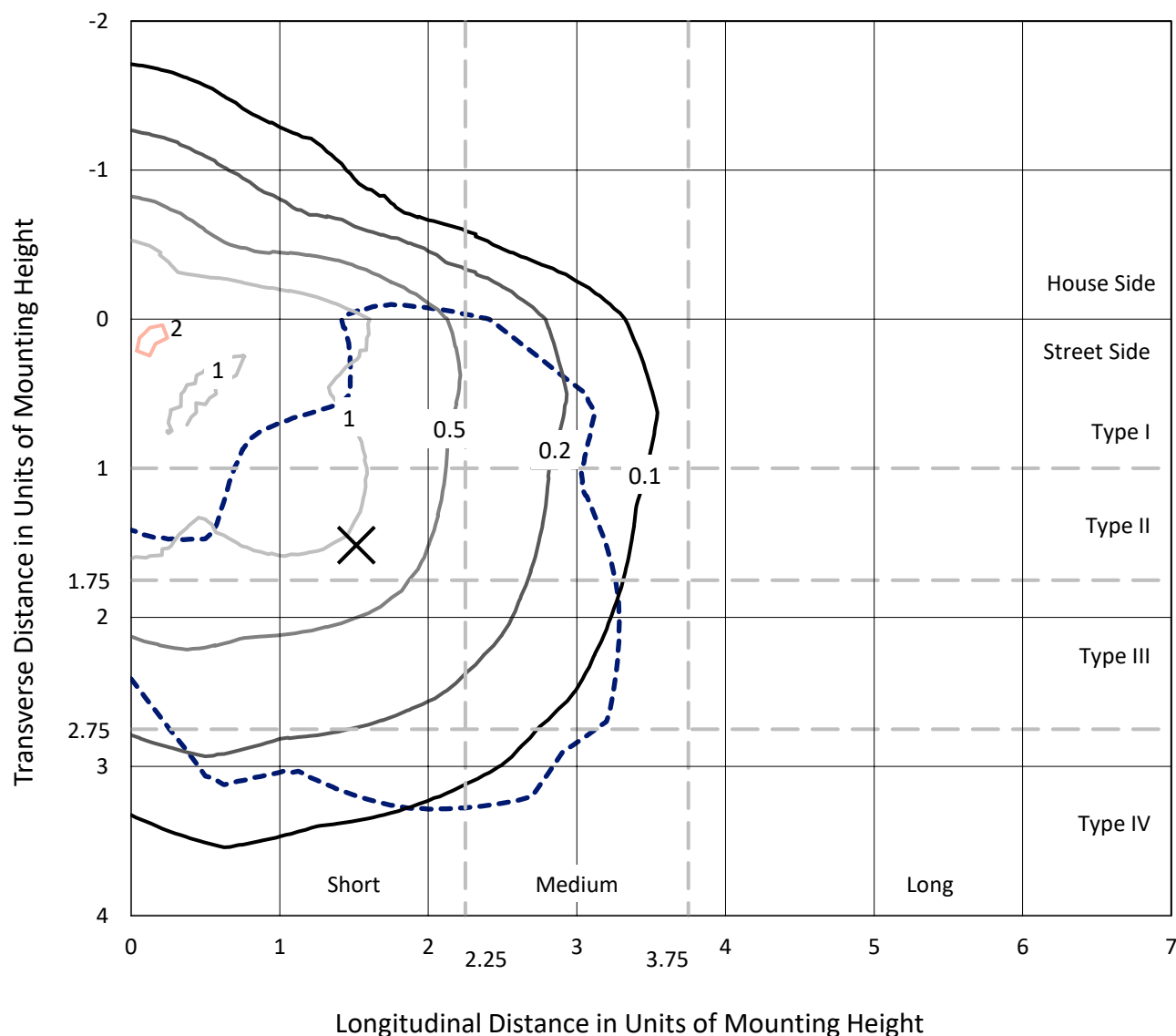
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

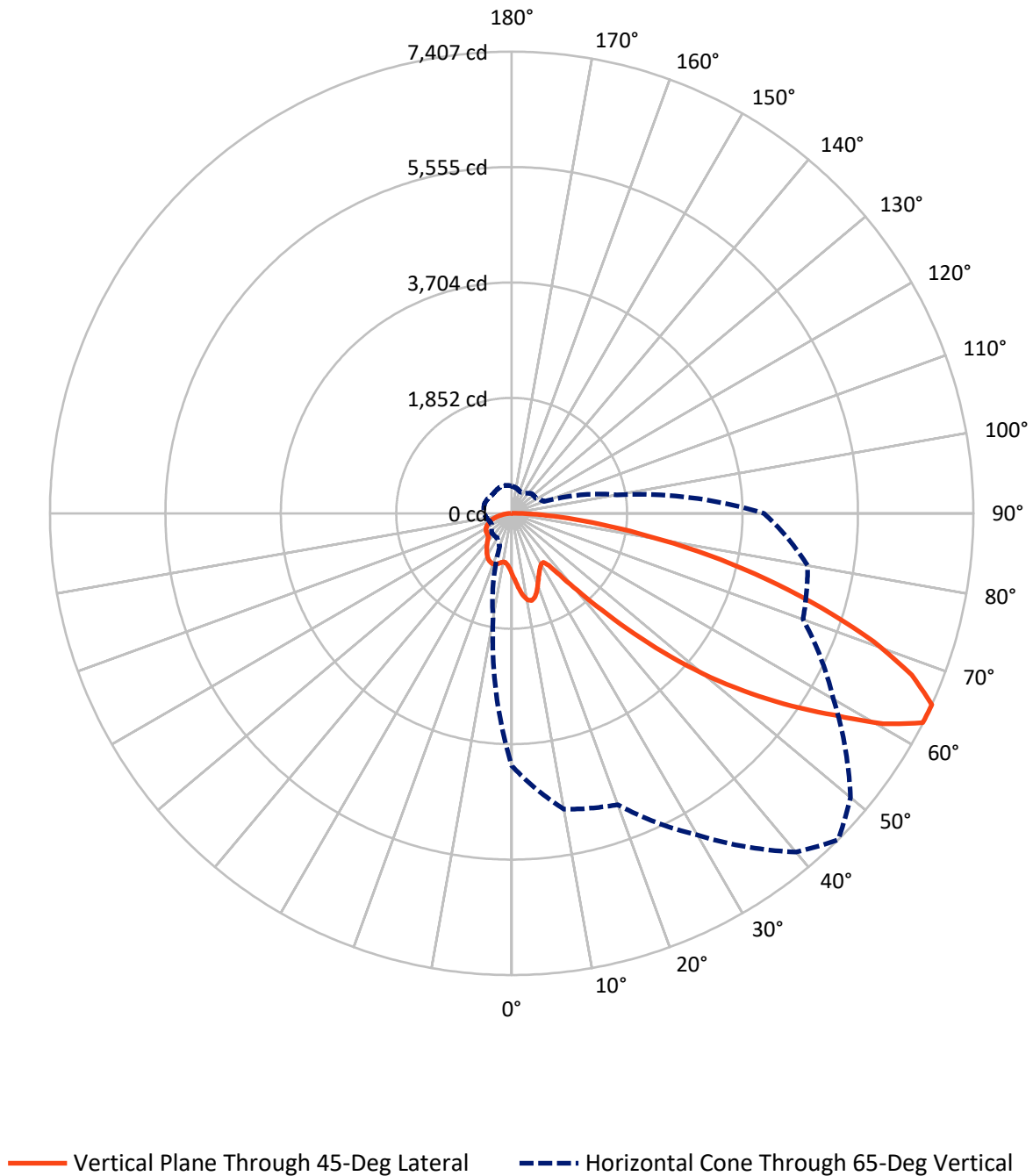


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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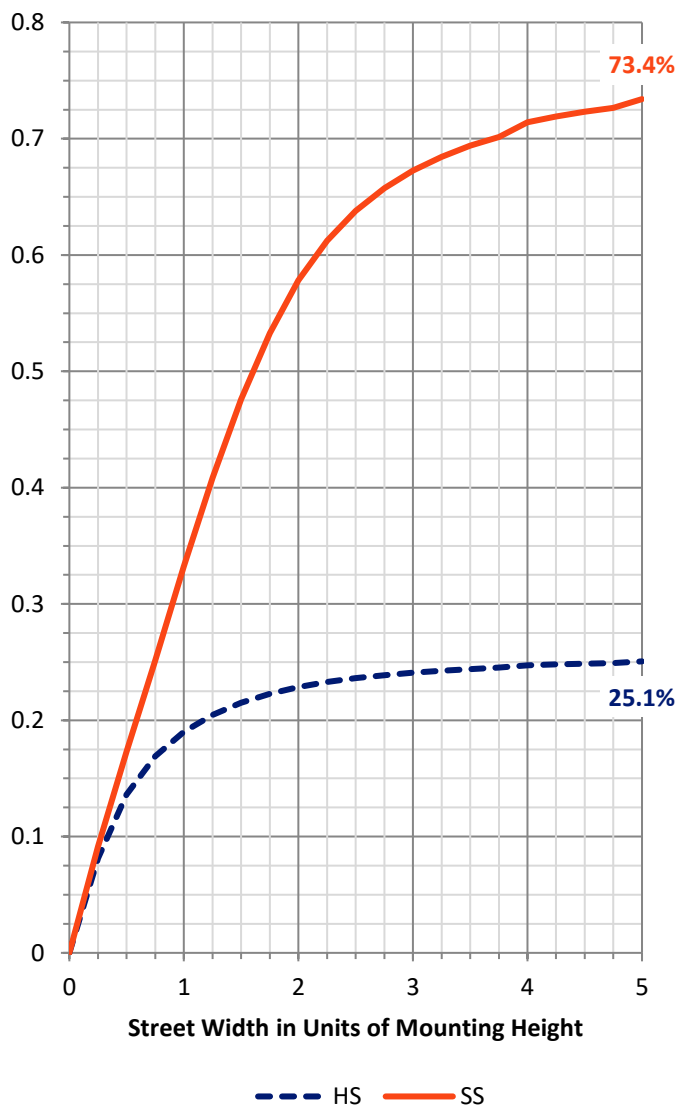
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1803.7	0.0	1803.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5293.4	0.0	5293.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	7097.1	0.0	7097.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.4
10°-20°	303.9	4.3
20°-30°	469.4	6.6
30°-40°	594.9	8.4
40°-50°	897.2	12.6
50°-60°	1449.6	20.4
60°-70°	1807.2	25.5
70°-80°	1185.1	16.7
80°-90°	293.0	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°	7097.1	100.0
0°-180°	7097.1	100.0

Coefficient of Utilization



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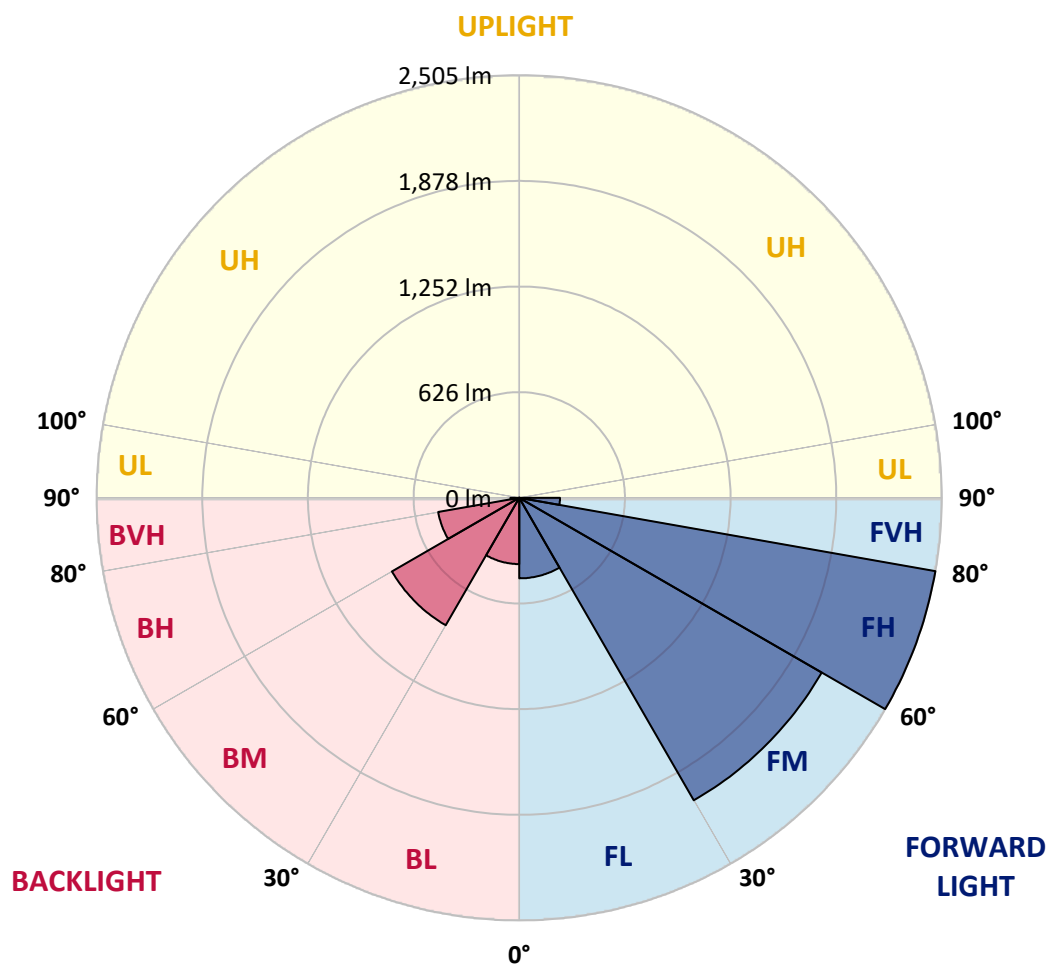
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	477.4	6.7			
FM	(30°-60°)	2070.1	29.2			
FH	(60°-80°)	2504.6	35.3			G2/5000
FVH	(80°-90°)	241.3	3.4			G3/500
BL	(0°-30°)	392.8	5.5	B1/500		
BM	(30°-60°)	871.7	12.3	B1/1000		
BH	(60°-80°)	487.6	6.9	B1/500		G1/500
BVH	(80°-90°)	51.6	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	1049.5	1053.5	1057.5	1063.1	1068.8	1072.1	1075.5	1077.2	1078.9	1078.2	1078.9
5°	1128.5	1142.4	1156.3	1170.1	1184.0	1191.5	1198.9	1203.5	1208.1	1211.4	1208.1
7.5°	1207.9	1230.5	1253.1	1273.5	1293.8	1306.1	1318.3	1324.9	1331.5	1334.7	1331.5
10°	1268.7	1295.5	1322.2	1346.1	1369.9	1384.4	1398.8	1405.3	1411.6	1414.1	1411.6
12.5°	1306.1	1335.0	1364.0	1385.5	1407.0	1417.5	1428.0	1431.5	1435.0	1435.4	1435.0
15°	1328.7	1353.7	1378.6	1392.2	1405.8	1406.1	1406.5	1402.7	1399.0	1394.6	1399.0
17.5°	1341.4	1358.3	1375.1	1375.4	1375.7	1360.5	1345.3	1331.5	1317.5	1307.7	1317.5
20°	1355.5	1361.3	1367.2	1349.4	1331.7	1298.2	1264.7	1240.4	1216.0	1201.0	1216.0
22.5°	1371.8	1364.1	1356.3	1319.5	1282.6	1233.4	1184.1	1153.6	1123.2	1106.6	1123.2
25°	1392.7	1368.4	1344.1	1288.1	1232.2	1172.3	1112.5	1080.5	1048.5	1032.8	1048.5
27.5°	1421.2	1377.7	1334.1	1260.0	1185.9	1119.6	1053.4	1021.8	990.4	975.5	990.4
30°	1459.6	1394.6	1329.8	1238.6	1147.4	1078.3	1009.2	980.0	950.8	937.0	950.8
32.5°	1504.9	1416.0	1327.2	1224.0	1120.7	1055.9	991.0	968.0	945.0	935.1	945.0
35°	1559.9	1451.2	1342.4	1234.9	1127.4	1082.3	1037.3	1031.9	1026.5	1025.7	1026.5
37.5°	1652.6	1524.7	1396.8	1299.0	1201.3	1198.3	1195.5	1220.0	1244.5	1257.2	1244.5
40°	1792.6	1653.5	1514.4	1441.8	1369.1	1420.3	1471.7	1531.2	1590.7	1620.4	1590.7
42.5°	1978.5	1840.4	1702.3	1660.5	1618.6	1730.5	1842.4	1950.7	2059.0	2122.6	2059.0
45°	2207.7	2083.8	1959.8	1941.4	1922.8	2102.1	2281.3	2459.3	2637.3	2745.4	2637.3
47.5°	2494.6	2374.0	2253.4	2249.6	2245.9	2504.5	2763.0	3023.5	3284.1	3437.0	3284.1
50°	2870.6	2721.6	2572.6	2573.3	2573.9	2907.2	3240.5	3584.4	3928.3	4136.2	3928.3
52.5°	3302.2	3121.8	2941.4	2923.2	2904.8	3303.0	3701.2	4126.6	4552.0	4801.3	4552.0
55°	3761.7	3583.5	3405.3	3334.1	3263.0	3706.1	4149.1	4656.4	5163.6	5460.0	5163.6
57.5°	4179.6	4082.6	3985.5	3842.8	3700.2	4147.7	4595.1	5169.6	5744.1	6111.7	5744.1
60°	4432.2	4583.0	4733.9	4556.6	4379.5	4802.9	5226.4	5841.5	6456.6	6853.9	6456.6
62.5°	4304.0	4715.9	5128.0	5108.0	5088.0	5475.9	5863.7	6449.0	7034.2	7401.3	7034.2
65°	4047.3	4433.9	4820.6	4897.0	4973.6	5466.4	5959.3	6526.9	7094.3	7407.0	7094.3
67.5°	3703.3	4071.1	4438.8	4474.6	4510.5	5024.0	5537.6	6107.6	6677.5	6922.3	6677.5
70°	3290.0	3690.0	4090.1	4106.0	4122.1	4581.4	5040.6	5531.1	6021.6	6157.7	6021.6
72.5°	2797.6	3256.6	3715.6	3727.2	3738.7	4098.1	4457.3	4824.7	5191.9	5205.8	5191.9
75°	2174.6	2649.7	3124.8	3167.5	3210.1	3489.6	3769.2	4027.8	4286.3	4217.1	4286.3
77.5°	1553.7	1997.2	2440.7	2501.7	2562.8	2775.3	2987.9	3171.2	3354.6	3235.5	3354.6
80°	1016.9	1390.0	1763.1	1839.0	1914.8	2075.3	2235.7	2332.1	2428.3	2236.9	2428.3
82.5°	591.1	846.2	1101.3	1186.0	1270.8	1381.3	1491.8	1532.0	1572.1	1421.6	1572.1
85°	260.0	395.4	530.8	602.9	675.0	765.8	856.5	879.3	902.1	781.6	902.1
87.5°	80.6	126.0	171.5	211.8	251.9	297.4	342.8	344.7	346.6	291.0	346.6
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°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	1077.2	1075.5	1072.1	1068.8	1063.1	1057.5	1053.5	1049.5	1041.4	1033.4	1024.8
5°	1203.5	1198.9	1191.5	1184.0	1170.1	1156.3	1142.4	1128.5	1110.7	1093.0	1075.2
7.5°	1324.9	1318.3	1306.1	1293.8	1273.5	1253.1	1230.5	1207.9	1178.5	1149.2	1122.1
10°	1405.3	1398.8	1384.4	1369.9	1346.1	1322.2	1295.5	1268.7	1231.6	1194.5	1158.7
12.5°	1431.5	1428.0	1417.5	1407.0	1385.5	1364.0	1335.0	1306.1	1265.3	1224.5	1183.9
15°	1402.7	1406.5	1406.1	1405.8	1392.2	1378.6	1353.7	1328.7	1286.2	1243.6	1199.7
17.5°	1331.5	1345.3	1360.5	1375.7	1375.4	1375.1	1358.3	1341.4	1298.3	1255.2	1207.1
20°	1240.4	1264.7	1298.2	1331.7	1349.4	1367.2	1361.3	1355.5	1310.7	1265.9	1213.1
22.5°	1153.6	1184.1	1233.4	1282.6	1319.5	1356.3	1364.1	1371.8	1325.9	1280.2	1221.0
25°	1080.5	1112.5	1172.3	1232.2	1288.1	1344.1	1368.4	1392.7	1347.9	1303.0	1235.3
27.5°	1021.8	1053.4	1119.6	1185.9	1260.0	1334.1	1377.7	1421.2	1378.4	1335.6	1257.8
30°	980.0	1009.2	1078.3	1147.4	1238.6	1329.8	1394.6	1459.6	1418.2	1376.9	1286.9
32.5°	968.0	991.0	1055.9	1120.7	1224.0	1327.2	1416.0	1504.9	1463.9	1423.0	1317.3
35°	1031.9	1037.3	1082.3	1127.4	1234.9	1342.4	1451.2	1559.9	1520.8	1481.5	1351.9
37.5°	1220.0	1195.5	1198.3	1201.3	1299.0	1396.8	1524.7	1652.6	1602.7	1552.7	1390.6
40°	1531.2	1471.7	1420.3	1369.1	1441.8	1514.4	1653.5	1792.6	1719.8	1647.1	1439.8
42.5°	1950.7	1842.4	1730.5	1618.6	1660.5	1702.3	1840.4	1978.5	1873.3	1768.2	1504.2
45°	2459.3	2281.3	2102.1	1922.8	1941.4	1959.8	2083.8	2207.7	2066.1	1924.3	1589.0
47.5°	3023.5	2763.0	2504.5	2245.9	2249.6	2253.4	2374.0	2494.6	2295.2	2095.6	1679.2
50°	3584.4	3240.5	2907.2	2573.9	2573.3	2572.6	2721.6	2870.6	2569.9	2269.0	1762.9
52.5°	4126.6	3701.2	3303.0	2904.8	2923.2	2941.4	3121.8	3302.2	2858.4	2414.7	1817.3
55°	4656.4	4149.1	3706.1	3263.0	3334.1	3405.3	3583.5	3761.7	3114.3	2467.0	1805.3
57.5°	5169.6	4595.1	4147.7	3700.2	3842.8	3985.5	4082.6	4179.6	3295.7	2411.6	1721.0
60°	5841.5	5226.4	4802.9	4379.5	4556.6	4733.9	4583.0	4432.2	3341.0	2249.6	1564.0
62.5°	6449.0	5863.7	5475.9	5088.0	5108.0	5128.0	4715.9	4304.0	3150.1	1996.3	1351.9
65°	6526.9	5959.3	5466.4	4973.6	4897.0	4820.6	4433.9	4047.3	2880.1	1713.1	1135.3
67.5°	6107.6	5537.6	5024.0	4510.5	4474.6	4438.8	4071.1	3703.3	2558.9	1414.5	923.2
70°	5531.1	5040.6	4581.4	4122.1	4106.0	4090.1	3690.0	3290.0	2208.4	1126.7	726.8
72.5°	4824.7	4457.3	4098.1	3738.7	3727.2	3715.6	3256.6	2797.6	1828.3	859.1	555.7
75°	4027.8	3769.2	3489.6	3210.1	3167.5	3124.8	2649.7	2174.6	1392.7	610.7	403.3
77.5°	3171.2	2987.9	2775.3	2562.8	2501.7	2440.7	1997.2	1553.7	974.8	395.8	273.3
80°	2332.1	2235.7	2075.3	1914.8	1839.0	1763.1	1390.0	1016.9	628.0	239.1	176.1
82.5°	1532.0	1491.8	1381.3	1270.8	1186.0	1101.3	846.2	591.1	363.5	135.9	108.3
85°	879.3	856.5	765.8	675.0	602.9	530.8	395.4	260.0	163.5	66.9	57.9
87.5°	344.7	342.8	297.4	251.9	211.8	171.5	126.0	80.6	53.5	26.5	24.0
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°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	1016.3	1007.7	999.1	990.9	982.6	974.6	965.8	958.6	951.4	944.9	938.5
5°	1057.5	1039.7	1021.8	1005.1	988.4	972.7	957.1	943.6	930.1	918.6	907.3
7.5°	1095.0	1068.6	1042.2	1019.0	995.7	974.3	954.1	936.0	918.1	903.0	888.1
10°	1122.9	1090.8	1058.7	1031.3	1003.7	977.2	955.6	936.5	917.6	902.6	887.6
12.5°	1143.3	1105.5	1067.6	1036.6	1005.4	977.6	957.5	941.9	926.4	916.5	906.5
15°	1155.6	1112.0	1068.5	1032.5	996.4	965.7	949.6	942.1	934.6	936.0	937.4
17.5°	1159.1	1108.5	1058.0	1014.6	971.4	935.1	925.2	927.9	930.6	946.9	963.3
20°	1160.2	1099.0	1037.7	984.0	930.3	888.1	885.5	898.2	910.9	939.3	967.7
22.5°	1161.7	1087.2	1012.7	948.0	883.3	835.3	840.4	859.3	878.1	910.4	942.9
25°	1167.7	1075.6	983.6	907.8	832.1	782.9	796.7	818.5	840.2	869.3	898.4
27.5°	1180.0	1067.8	955.7	871.0	786.5	741.7	758.5	779.5	800.4	824.4	848.3
30°	1196.9	1064.3	931.4	840.4	749.4	711.8	725.0	741.6	758.3	778.1	798.0
32.5°	1211.6	1059.7	907.8	814.0	720.0	689.6	695.5	705.3	715.2	731.0	746.9
35°	1222.2	1051.2	880.4	787.9	695.5	670.1	667.7	670.5	673.1	685.2	697.3
37.5°	1228.6	1036.8	844.9	757.3	669.6	647.5	638.6	635.6	632.6	641.2	650.0
40°	1232.7	1016.8	801.0	720.7	640.4	620.3	606.7	599.9	593.1	599.3	605.6
42.5°	1240.2	996.2	752.2	680.4	608.4	590.0	572.8	563.8	554.8	559.9	565.0
45°	1253.6	977.0	700.6	637.6	574.5	555.8	539.0	530.3	521.6	525.8	530.2
47.5°	1262.8	961.2	659.8	603.6	547.5	523.4	509.0	501.6	494.4	498.4	502.4
50°	1256.8	944.0	631.3	581.2	530.9	499.2	482.6	476.0	469.6	475.8	482.2
52.5°	1219.9	914.9	610.1	566.3	522.5	486.1	462.8	456.3	450.0	459.4	468.8
55°	1143.7	866.7	589.8	555.6	521.3	487.4	452.3	442.1	431.9	445.5	458.8
57.5°	1030.4	798.7	566.9	542.8	518.6	488.7	446.0	431.2	416.4	430.8	445.3
60°	878.4	710.4	542.3	523.4	504.4	484.6	440.1	420.9	401.6	414.3	427.0
62.5°	707.4	604.8	502.1	489.5	476.9	474.5	433.2	409.2	385.2	393.2	401.3
65°	557.5	509.6	461.8	455.8	449.9	450.2	418.7	393.1	367.6	370.6	373.7
67.5°	431.8	418.3	404.7	408.0	411.2	410.4	392.8	371.5	350.2	349.2	348.3
70°	327.1	331.0	334.9	350.3	365.7	365.7	359.9	344.7	329.6	326.3	322.9
72.5°	252.4	264.0	275.8	297.7	319.5	323.2	323.3	312.9	302.5	297.6	292.6
75°	196.0	206.5	217.2	241.7	266.2	283.1	281.7	273.7	265.7	261.0	256.2
77.5°	150.9	158.1	165.3	189.1	212.9	240.8	240.1	233.6	227.2	222.4	217.6
80°	113.1	116.1	119.1	139.2	159.4	192.7	192.6	187.2	181.8	177.8	173.7
82.5°	80.8	81.4	81.9	96.8	111.6	140.0	141.7	139.0	136.4	133.6	130.7
85°	48.9	48.6	48.3	59.1	70.0	91.2	93.3	90.4	87.6	84.5	81.3
87.5°	21.4	21.1	20.9	25.3	29.7	38.5	41.2	40.1	38.9	38.3	37.7
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: P960533

CATALOG NUMBER: NAV-SB1C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	932.9	927.1	921.5	915.8	911.4	907.0	903.4	899.8	897.1	894.3	891.9
5°	897.3	887.2	878.1	869.0	862.0	855.0	850.0	845.1	841.6	838.1	835.5
7.5°	875.5	862.8	851.7	840.5	832.2	823.9	818.1	812.2	808.2	804.2	801.9
10°	874.0	860.4	847.9	835.3	825.3	815.3	808.8	802.3	798.5	794.7	792.6
12.5°	895.8	885.2	872.2	859.3	846.5	833.8	825.3	816.9	812.7	808.5	806.8
15°	934.6	931.8	920.6	909.3	891.1	873.0	860.2	847.4	841.5	835.7	833.4
17.5°	971.9	980.6	971.5	962.5	938.4	914.4	895.5	876.7	868.0	859.3	856.4
20°	985.8	1004.0	999.8	995.6	968.1	940.7	917.6	894.4	883.3	872.2	868.6
22.5°	966.5	990.1	992.7	995.2	969.0	942.8	918.9	895.1	883.3	871.7	867.7
25°	921.7	944.9	953.6	962.3	940.7	919.3	898.1	877.0	866.7	856.6	852.9
27.5°	866.9	885.6	895.2	905.0	889.6	874.3	857.9	841.4	834.7	827.8	826.2
30°	813.4	828.9	836.8	844.7	833.0	821.3	809.5	797.8	794.3	790.7	790.7
32.5°	761.8	776.6	785.4	794.1	783.4	772.6	763.2	753.9	751.5	749.3	749.6
35°	712.0	726.7	737.2	747.6	740.0	732.5	723.8	715.0	711.6	708.2	707.5
37.5°	664.6	679.3	692.2	705.2	701.6	698.1	690.1	682.1	675.8	669.5	666.1
40°	619.8	634.0	648.8	663.8	664.6	665.4	658.7	651.9	642.7	633.6	627.3
42.5°	578.4	591.8	608.0	624.1	628.4	632.7	627.0	621.3	609.9	598.4	589.4
45°	542.9	555.7	572.4	589.1	595.2	601.5	596.2	591.1	578.1	565.0	554.4
47.5°	514.9	527.3	543.8	560.3	567.3	574.5	570.8	567.2	555.7	544.1	534.2
50°	493.9	505.6	520.4	535.2	544.3	553.4	553.2	553.1	543.8	534.4	525.4
52.5°	479.6	490.4	504.1	517.9	528.7	539.6	541.5	543.5	535.9	528.3	520.2
55°	470.5	482.1	494.0	506.1	517.6	529.1	531.8	534.4	527.9	521.3	514.1
57.5°	458.9	472.5	484.4	496.4	508.0	519.5	522.2	525.0	518.2	511.6	504.6
60°	442.6	458.3	470.4	482.6	494.2	505.7	508.7	511.8	505.2	498.8	491.5
62.5°	419.5	437.8	450.7	463.6	474.3	484.9	487.8	490.7	484.7	478.9	471.3
65°	393.3	412.9	425.3	437.6	446.9	456.3	459.3	462.2	456.5	450.9	443.5
67.5°	366.3	384.4	396.2	407.8	415.9	424.0	426.9	429.7	424.6	419.3	412.5
70°	338.8	354.6	364.8	374.8	382.1	389.5	392.3	395.0	390.7	386.5	380.0
72.5°	305.1	317.6	326.8	335.9	343.1	350.2	353.5	356.8	353.3	349.7	343.5
75°	265.5	274.8	283.1	291.3	297.9	304.4	307.8	311.3	309.5	307.8	302.6
77.5°	225.2	232.8	239.8	247.0	253.8	260.7	263.8	267.1	264.7	262.2	256.9
80°	180.1	186.3	192.3	198.3	203.5	208.7	212.9	217.2	216.2	215.1	208.0
82.5°	130.2	129.7	127.5	125.5	136.5	147.6	154.9	162.2	161.7	161.2	155.2
85°	78.6	75.8	70.0	64.3	74.6	85.0	94.0	103.0	102.2	101.5	96.8
87.5°	37.6	37.5	33.1	28.6	33.0	37.4	41.0	44.7	43.8	42.7	40.4
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-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	889.2	886.0	889.2	891.9	894.3	897.1	899.8	903.4	907.0	911.4	915.8
5°	832.8	830.2	832.8	835.5	838.1	841.6	845.1	850.0	855.0	862.0	869.0
7.5°	799.5	797.7	799.5	801.9	804.2	808.2	812.2	818.1	823.9	832.2	840.5
10°	790.6	789.8	790.6	792.6	794.7	798.5	802.3	808.8	815.3	825.3	835.3
12.5°	805.0	804.7	805.0	806.8	808.5	812.7	816.9	825.3	833.8	846.5	859.3
15°	831.2	831.0	831.2	833.4	835.7	841.5	847.4	860.2	873.0	891.1	909.3
17.5°	853.5	853.1	853.5	856.4	859.3	868.0	876.7	895.5	914.4	938.4	962.5
20°	865.1	864.0	865.1	868.6	872.2	883.3	894.4	917.6	940.7	968.1	995.6
22.5°	863.8	862.0	863.8	867.7	871.7	883.3	895.1	918.9	942.8	969.0	995.2
25°	849.2	847.1	849.2	852.9	856.6	866.7	877.0	898.1	919.3	940.7	962.3
27.5°	824.4	823.9	824.4	826.2	827.8	834.7	841.4	857.9	874.3	889.6	905.0
30°	790.7	791.3	790.7	790.7	790.7	794.3	797.8	809.5	821.3	833.0	844.7
32.5°	749.9	750.5	749.9	749.6	749.3	751.5	753.9	763.2	772.6	783.4	794.1
35°	706.6	706.3	706.6	707.5	708.2	711.6	715.0	723.8	732.5	740.0	747.6
37.5°	662.9	660.9	662.9	666.1	669.5	675.8	682.1	690.1	698.1	701.6	705.2
40°	621.2	617.6	621.2	627.3	633.6	642.7	651.9	658.7	665.4	664.6	663.8
42.5°	580.4	574.5	580.4	589.4	598.4	609.9	621.3	627.0	632.7	628.4	624.1
45°	543.9	537.0	543.9	554.4	565.0	578.1	591.1	596.2	601.5	595.2	589.1
47.5°	524.5	517.9	524.5	534.2	544.1	555.7	567.2	570.8	574.5	567.3	560.3
50°	516.3	510.0	516.3	525.4	534.4	543.8	553.1	553.2	553.4	544.3	535.2
52.5°	512.1	506.4	512.1	520.2	528.3	535.9	543.5	541.5	539.6	528.7	517.9
55°	507.1	501.8	507.1	514.1	521.3	527.9	534.4	531.8	529.1	517.6	506.1
57.5°	497.5	492.1	497.5	504.6	511.6	518.2	525.0	522.2	519.5	508.0	496.4
60°	484.2	478.6	484.2	491.5	498.8	505.2	511.8	508.7	505.7	494.2	482.6
62.5°	463.6	456.8	463.6	471.3	478.9	484.7	490.7	487.8	484.9	474.3	463.6
65°	436.1	430.3	436.1	443.5	450.9	456.5	462.2	459.3	456.3	446.9	437.6
67.5°	405.6	400.4	405.6	412.5	419.3	424.6	429.7	426.9	424.0	415.9	407.8
70°	373.4	367.4	373.4	380.0	386.5	390.7	395.0	392.3	389.5	382.1	374.8
72.5°	337.2	331.4	337.2	343.5	349.7	353.3	356.8	353.5	350.2	343.1	335.9
75°	297.2	291.7	297.2	302.6	307.8	309.5	311.3	307.8	304.4	297.9	291.3
77.5°	251.5	247.1	251.5	256.9	262.2	264.7	267.1	263.8	260.7	253.8	247.0
80°	200.8	192.5	200.8	208.0	215.1	216.2	217.2	212.9	208.7	203.5	198.3
82.5°	149.1	143.8	149.1	155.2	161.2	161.7	162.2	154.9	147.6	136.5	125.5
85°	92.0	87.2	92.0	96.8	101.5	102.2	103.0	94.0	85.0	74.6	64.3
87.5°	37.9	35.6	37.9	40.4	42.7	43.8	44.7	41.0	37.4	33.0	28.6
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: P960533

CATALOG NUMBER: NAV-SB1C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	921.5	927.1	932.9	938.5	944.9	951.4	958.6	965.8	974.6	982.6	990.9
5°	878.1	887.2	897.3	907.3	918.6	930.1	943.6	957.1	972.7	988.4	1005.1
7.5°	851.7	862.8	875.5	888.1	903.0	918.1	936.0	954.1	974.3	995.7	1019.0
10°	847.9	860.4	874.0	887.6	902.6	917.6	936.5	955.6	977.2	1003.7	1031.3
12.5°	872.2	885.2	895.8	906.5	916.5	926.4	941.9	957.5	977.6	1005.4	1036.6
15°	920.6	931.8	934.6	937.4	936.0	934.6	942.1	949.6	965.7	996.4	1032.5
17.5°	971.5	980.6	971.9	963.3	946.9	930.6	927.9	925.2	935.1	971.4	1014.6
20°	999.8	1004.0	985.8	967.7	939.3	910.9	898.2	885.5	888.1	930.3	984.0
22.5°	992.7	990.1	966.5	942.9	910.4	878.1	859.3	840.4	835.3	883.3	948.0
25°	953.6	944.9	921.7	898.4	869.3	840.2	818.5	796.7	782.9	832.1	907.8
27.5°	895.2	885.6	866.9	848.3	824.4	800.4	779.5	758.5	741.7	786.5	871.0
30°	836.8	828.9	813.4	798.0	778.1	758.3	741.6	725.0	711.8	749.4	840.4
32.5°	785.4	776.6	761.8	746.9	731.0	715.2	705.3	695.5	689.6	720.0	814.0
35°	737.2	726.7	712.0	697.3	685.2	673.1	670.5	667.7	670.1	695.5	787.9
37.5°	692.2	679.3	664.6	650.0	641.2	632.6	635.6	638.6	647.5	669.6	757.3
40°	648.8	634.0	619.8	605.6	599.3	593.1	599.9	606.7	620.3	640.4	720.7
42.5°	608.0	591.8	578.4	565.0	559.9	554.8	563.8	572.8	590.0	608.4	680.4
45°	572.4	555.7	542.9	530.2	525.8	521.6	530.3	539.0	555.8	574.5	637.6
47.5°	543.8	527.3	514.9	502.4	498.4	494.4	501.6	509.0	523.4	547.5	603.6
50°	520.4	505.6	493.9	482.2	475.8	469.6	476.0	482.6	499.2	530.9	581.2
52.5°	504.1	490.4	479.6	468.8	459.4	450.0	456.3	462.8	486.1	522.5	566.3
55°	494.0	482.1	470.5	458.8	445.5	431.9	442.1	452.3	487.4	521.3	555.6
57.5°	484.4	472.5	458.9	445.3	430.8	416.4	431.2	446.0	488.7	518.6	542.8
60°	470.4	458.3	442.6	427.0	414.3	401.6	420.9	440.1	484.6	504.4	523.4
62.5°	450.7	437.8	419.5	401.3	393.2	385.2	409.2	433.2	474.5	476.9	489.5
65°	425.3	412.9	393.3	373.7	370.6	367.6	393.1	418.7	450.2	449.9	455.8
67.5°	396.2	384.4	366.3	348.3	349.2	350.2	371.5	392.8	410.4	411.2	408.0
70°	364.8	354.6	338.8	322.9	326.3	329.6	344.7	359.9	365.7	365.7	350.3
72.5°	326.8	317.6	305.1	292.6	297.6	302.5	312.9	323.3	323.2	319.5	297.7
75°	283.1	274.8	265.5	256.2	261.0	265.7	273.7	281.7	283.1	266.2	241.7
77.5°	239.8	232.8	225.2	217.6	222.4	227.2	233.6	240.1	240.8	212.9	189.1
80°	192.3	186.3	180.1	173.7	177.8	181.8	187.2	192.6	192.7	159.4	139.2
82.5°	127.5	129.7	130.2	130.7	133.6	136.4	139.0	141.7	140.0	111.6	96.8
85°	70.0	75.8	78.6	81.3	84.5	87.6	90.4	93.3	91.2	70.0	59.1
87.5°	33.1	37.5	37.6	37.7	38.3	38.9	40.1	41.2	38.5	29.7	25.3
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: P960533

CATALOG NUMBER: NAV-SB1C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	975.9	975.9	975.9	975.9	975.9	975.9	975.9
2.5°	999.1	1007.7	1016.3	1024.8	1033.4	1041.4	1049.5
5°	1021.8	1039.7	1057.5	1075.2	1093.0	1110.7	1128.5
7.5°	1042.2	1068.6	1095.0	1122.1	1149.2	1178.5	1207.9
10°	1058.7	1090.8	1122.9	1158.7	1194.5	1231.6	1268.7
12.5°	1067.6	1105.5	1143.3	1183.9	1224.5	1265.3	1306.1
15°	1068.5	1112.0	1155.6	1199.7	1243.6	1286.2	1328.7
17.5°	1058.0	1108.5	1159.1	1207.1	1255.2	1298.3	1341.4
20°	1037.7	1099.0	1160.2	1213.1	1265.9	1310.7	1355.5
22.5°	1012.7	1087.2	1161.7	1221.0	1280.2	1325.9	1371.8
25°	983.6	1075.6	1167.7	1235.3	1303.0	1347.9	1392.7
27.5°	955.7	1067.8	1180.0	1257.8	1335.6	1378.4	1421.2
30°	931.4	1064.3	1196.9	1286.9	1376.9	1418.2	1459.6
32.5°	907.8	1059.7	1211.6	1317.3	1423.0	1463.9	1504.9
35°	880.4	1051.2	1222.2	1351.9	1481.5	1520.8	1559.9
37.5°	844.9	1036.8	1228.6	1390.6	1552.7	1602.7	1652.6
40°	801.0	1016.8	1232.7	1439.8	1647.1	1719.8	1792.6
42.5°	752.2	996.2	1240.2	1504.2	1768.2	1873.3	1978.5
45°	700.6	977.0	1253.6	1589.0	1924.3	2066.1	2207.7
47.5°	659.8	961.2	1262.8	1679.2	2095.6	2295.2	2494.6
50°	631.3	944.0	1256.8	1762.9	2269.0	2569.9	2870.6
52.5°	610.1	914.9	1219.9	1817.3	2414.7	2858.4	3302.2
55°	589.8	866.7	1143.7	1805.3	2467.0	3114.3	3761.7
57.5°	566.9	798.7	1030.4	1721.0	2411.6	3295.7	4179.6
60°	542.3	710.4	878.4	1564.0	2249.6	3341.0	4432.2
62.5°	502.1	604.8	707.4	1351.9	1996.3	3150.1	4304.0
65°	461.8	509.6	557.5	1135.3	1713.1	2880.1	4047.3
67.5°	404.7	418.3	431.8	923.2	1414.5	2558.9	3703.3
70°	334.9	331.0	327.1	726.8	1126.7	2208.4	3290.0
72.5°	275.8	264.0	252.4	555.7	859.1	1828.3	2797.6
75°	217.2	206.5	196.0	403.3	610.7	1392.7	2174.6
77.5°	165.3	158.1	150.9	273.3	395.8	974.8	1553.7
80°	119.1	116.1	113.1	176.1	239.1	628.0	1016.9
82.5°	81.9	81.4	80.8	108.3	135.9	363.5	591.1
85°	48.3	48.6	48.9	57.9	66.9	163.5	260.0
87.5°	20.9	21.1	21.4	24.0	26.5	53.5	80.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)