

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: P961930

Luminaire Tested: **NAV-SB2B-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961930
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-SB2B-735-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

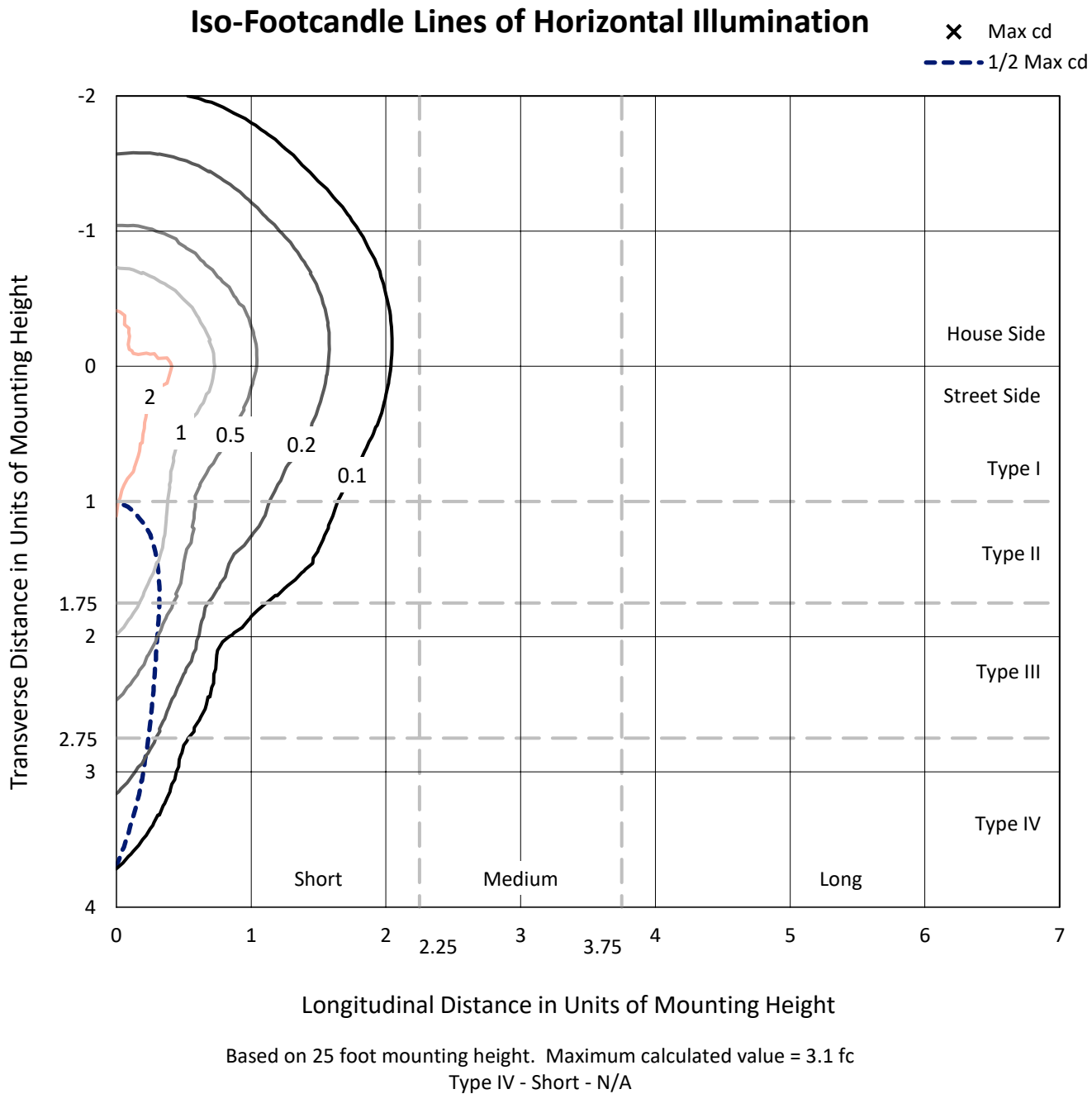
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11501.5 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 73.9
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

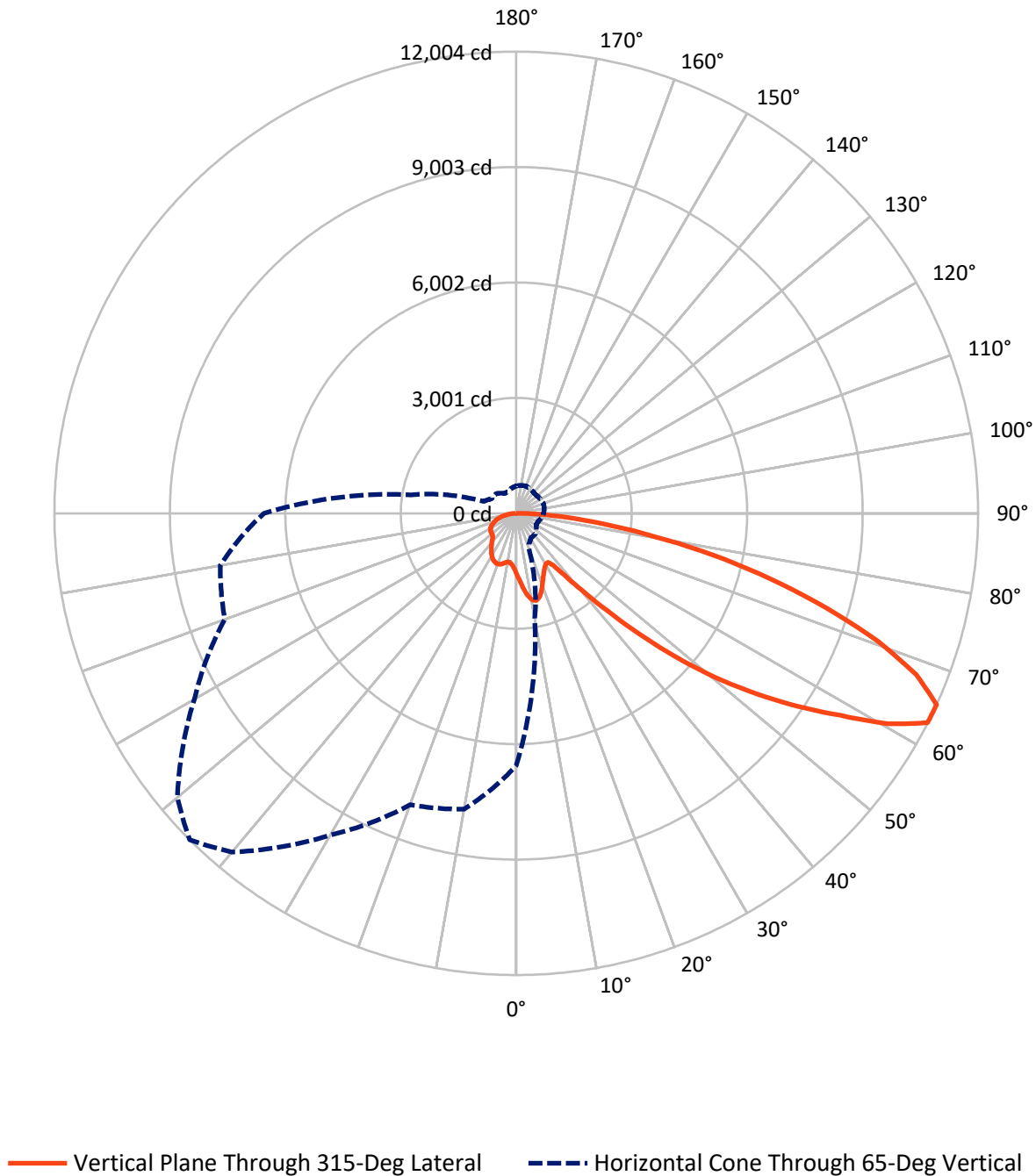


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Luminous Intensity Polar Plot



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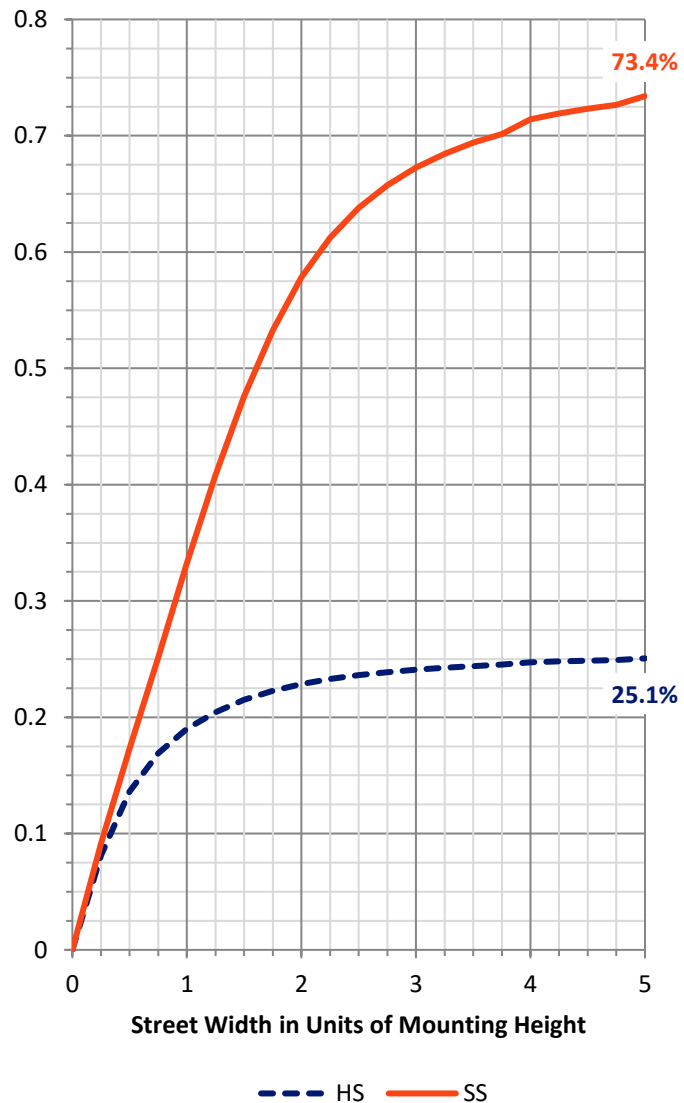
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2923.1	0.0	2923.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8578.4	0.0	8578.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	11501.5	0.0	11501.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	1.4
10°-20°	492.5	4.3
20°-30°	760.8	6.6
30°-40°	964.1	8.4
40°-50°	1454.1	12.6
50°-60°	2349.2	20.4
60°-70°	2928.7	25.5
70°-80°	1920.5	16.7
80°-90°	474.8	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°	11501.5	100.0
0°-180°	11501.5	100.0

Coefficient of Utilization



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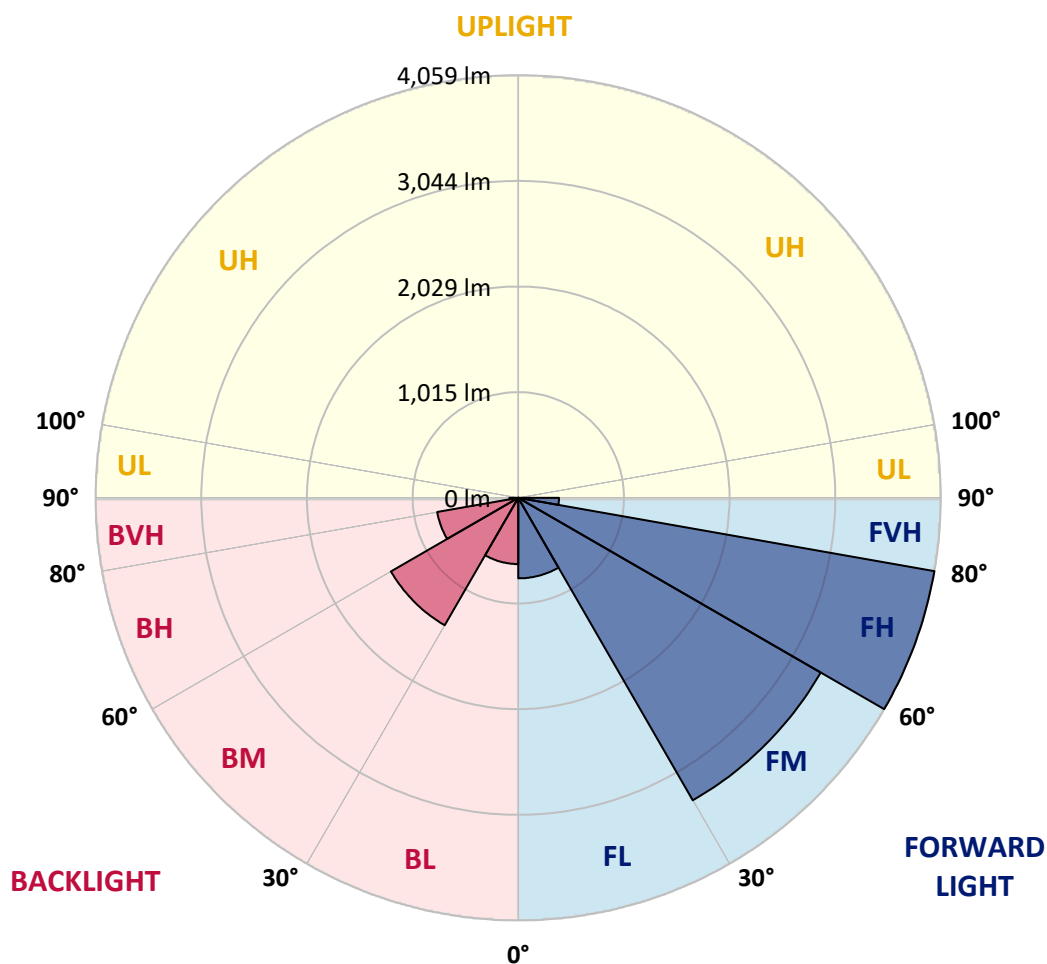
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	773.6	6.7			
FM	(30°-60°)	3354.7	29.2			
FH	(60°-80°)	4058.9	35.3			G2/5000
FVH	(80°-90°)	391.1	3.4			G3/500
BL	(0°-30°)	636.5	5.5	B2/1000		
BM	(30°-60°)	1412.6	12.3	B2/2500		
BH	(60°-80°)	790.3	6.9	B2/1000		G2/1000
BVH	(80°-90°)	83.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1700.8	1687.8	1674.7	1660.8	1647.0	1633.0	1619.1	1605.7	1592.3	1579.4	1565.1
5°	1828.9	1800.0	1771.2	1742.4	1713.7	1684.8	1655.9	1628.9	1601.9	1576.4	1551.2
7.5°	1957.5	1910.0	1862.4	1818.5	1774.6	1731.7	1689.0	1651.3	1613.6	1578.8	1546.2
10°	2056.1	1996.0	1935.8	1877.8	1819.8	1767.8	1715.8	1671.3	1626.6	1583.7	1548.7
12.5°	2116.5	2050.4	1984.4	1918.6	1852.8	1791.5	1730.2	1679.8	1629.3	1584.2	1551.7
15°	2153.2	2084.3	2015.5	1944.1	1872.8	1802.2	1731.5	1673.2	1614.8	1564.9	1538.7
17.5°	2173.9	2104.0	2034.2	1956.3	1878.4	1796.5	1714.6	1644.4	1574.2	1515.4	1499.4
20°	2196.7	2124.1	2051.4	1965.8	1880.3	1780.9	1681.7	1594.7	1507.7	1439.2	1435.0
22.5°	2223.0	2148.9	2074.7	1978.7	1882.7	1762.0	1641.1	1536.4	1431.5	1353.7	1362.0
25°	2257.0	2184.3	2111.7	2002.0	1892.3	1743.1	1594.0	1471.2	1348.5	1268.7	1291.2
27.5°	2303.2	2233.9	2164.5	2038.4	1912.3	1730.5	1548.8	1411.7	1274.6	1201.9	1229.3
30°	2365.4	2298.4	2231.4	2085.6	1939.7	1724.7	1509.4	1361.9	1214.4	1153.4	1174.9
32.5°	2438.8	2372.5	2306.1	2134.8	1963.4	1717.4	1471.2	1319.0	1166.8	1117.6	1127.1
35°	2528.0	2464.5	2401.0	2190.8	1980.8	1703.7	1426.7	1276.8	1127.0	1086.0	1082.1
37.5°	2678.2	2597.2	2516.3	2253.7	1991.1	1680.2	1369.3	1227.2	1085.2	1049.3	1034.8
40°	2905.2	2787.2	2669.2	2333.4	1997.6	1647.8	1298.2	1168.0	1037.8	1005.3	983.2
42.5°	3206.2	3035.9	2865.6	2437.8	2009.9	1614.5	1219.1	1102.6	986.0	956.1	928.2
45°	3578.0	3348.3	3118.5	2575.0	2031.5	1583.4	1135.4	1033.2	931.0	900.7	873.6
47.5°	4042.8	3719.5	3396.1	2721.3	2046.4	1557.8	1069.2	978.3	887.2	848.1	824.9
50°	4652.2	4164.8	3677.3	2857.0	2036.8	1529.9	1023.1	941.8	860.5	809.0	782.0
52.5°	5351.5	4632.4	3913.2	2945.1	1976.9	1482.8	988.6	917.8	847.0	787.7	750.0
55°	6096.2	5047.0	3997.9	2925.7	1853.4	1404.6	955.7	900.4	844.9	789.9	733.0
57.5°	6773.5	5340.9	3908.2	2789.0	1669.8	1294.4	918.8	879.7	840.5	792.0	722.8
60°	7182.9	5414.4	3645.7	2534.7	1423.6	1151.3	878.9	848.1	817.3	785.4	713.2
62.5°	6975.0	5105.1	3235.2	2190.7	1146.3	980.0	813.7	793.2	772.8	769.0	702.0
65°	6559.0	4667.6	2776.2	1839.9	903.5	825.9	748.2	738.6	729.0	729.5	678.6
67.5°	6001.6	4146.9	2292.3	1496.1	699.9	677.8	655.8	661.1	666.5	665.1	636.5
70°	5331.8	3578.8	1825.8	1177.9	530.1	536.4	542.6	567.6	592.7	592.7	583.2
72.5°	4533.8	2963.0	1392.3	900.6	408.9	427.9	447.0	482.5	517.8	523.8	523.9
75°	3524.3	2256.9	989.7	653.6	317.5	334.8	352.0	391.7	431.4	458.8	456.5
77.5°	2518.0	1579.6	641.3	442.9	244.5	256.1	267.9	306.5	345.0	390.2	389.0
80°	1648.0	1017.7	387.4	285.4	183.3	188.1	193.0	225.6	258.2	312.2	312.1
82.5°	958.0	589.1	220.2	175.5	131.0	131.8	132.7	156.8	180.8	226.9	229.5
85°	421.5	265.0	108.5	93.8	79.2	78.8	78.3	95.9	113.5	147.8	151.1
87.5°	130.5	86.8	43.0	38.9	34.7	34.3	33.8	41.0	48.3	62.5	66.7
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°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1553.4	1541.8	1531.4	1520.9	1511.7	1502.5	1493.3	1484.2	1477.0	1469.8	1464.1
5°	1529.2	1507.3	1488.8	1470.4	1454.1	1437.9	1423.1	1408.2	1397.0	1385.5	1377.6
7.5°	1517.0	1487.8	1463.5	1439.2	1418.8	1398.3	1380.2	1362.1	1348.6	1335.2	1325.7
10°	1517.8	1487.0	1462.8	1438.5	1416.4	1394.3	1374.0	1353.7	1337.5	1321.3	1310.8
12.5°	1526.4	1501.3	1485.2	1469.1	1451.8	1434.6	1413.5	1392.5	1371.9	1351.3	1337.6
15°	1526.7	1514.6	1516.9	1519.0	1514.5	1510.0	1491.8	1473.5	1444.1	1414.8	1394.0
17.5°	1503.8	1508.1	1534.6	1561.1	1575.1	1589.2	1574.4	1559.7	1520.8	1481.9	1451.3
20°	1455.6	1476.3	1522.2	1568.2	1597.7	1627.1	1620.3	1613.5	1569.0	1524.5	1487.0
22.5°	1392.5	1423.0	1475.5	1528.1	1566.3	1604.6	1608.7	1612.8	1570.3	1527.9	1489.2
25°	1326.4	1361.6	1408.8	1455.9	1493.6	1531.4	1545.4	1559.4	1524.6	1489.8	1455.4
27.5°	1263.2	1297.2	1336.0	1374.7	1405.0	1435.2	1450.8	1466.6	1441.8	1417.0	1390.3
30°	1201.8	1228.9	1261.0	1293.1	1318.3	1343.4	1356.1	1368.9	1349.9	1331.1	1312.0
32.5°	1143.1	1159.1	1184.7	1210.4	1234.5	1258.6	1272.7	1286.9	1269.6	1252.1	1236.9
35°	1086.5	1090.9	1110.5	1130.1	1153.8	1177.6	1194.6	1211.7	1199.2	1186.9	1172.9
37.5°	1030.0	1025.2	1039.2	1053.3	1077.0	1100.7	1121.8	1142.8	1137.0	1131.4	1118.5
40°	972.2	961.2	971.3	981.4	1004.4	1027.4	1051.5	1075.7	1077.1	1078.4	1067.4
42.5°	913.7	899.1	907.3	915.6	937.4	959.2	985.3	1011.4	1018.3	1025.3	1016.1
45°	859.5	845.3	852.2	859.3	879.9	900.5	927.5	954.7	964.6	974.7	966.3
47.5°	813.0	801.1	807.7	814.2	834.4	854.5	881.2	907.9	919.4	931.0	925.2
50°	771.4	761.0	771.1	781.4	800.4	819.4	843.4	867.3	882.0	896.9	896.5
52.5°	739.5	729.2	744.6	759.8	777.3	794.7	817.0	839.4	856.9	874.4	877.6
55°	716.5	700.1	721.8	743.5	762.4	781.2	800.7	820.2	838.8	857.4	861.8
57.5°	698.7	674.8	698.1	721.6	743.6	765.8	785.0	804.4	823.2	841.8	846.3
60°	682.0	650.9	671.5	692.0	717.3	742.7	762.3	782.0	800.8	819.6	824.5
62.5°	663.1	624.2	637.2	650.3	679.9	709.5	730.4	751.3	768.5	785.8	790.5
65°	637.1	595.6	600.6	605.7	637.3	669.1	689.1	709.2	724.4	739.5	744.3
67.5°	602.1	567.5	566.0	564.4	593.7	623.0	642.0	660.9	674.0	687.2	691.8
70°	558.7	534.2	528.7	523.3	549.0	574.7	591.1	607.5	619.3	631.2	635.7
72.5°	507.1	490.3	482.3	474.3	494.6	514.8	529.6	544.4	556.0	567.5	572.9
75°	443.6	430.6	422.9	415.2	430.3	445.4	458.8	472.1	482.7	493.3	498.9
77.5°	378.6	368.3	360.5	352.7	365.0	377.2	388.7	400.3	411.3	422.4	427.6
80°	303.4	294.7	288.1	281.6	291.8	302.0	311.6	321.3	329.7	338.1	345.1
82.5°	225.3	221.0	216.4	211.8	210.9	210.1	206.7	203.3	221.3	239.2	251.0
85°	146.6	142.0	136.8	131.7	127.3	122.9	113.5	104.0	120.8	137.8	152.3
87.5°	65.0	63.1	62.1	61.2	61.0	60.8	53.6	46.4	53.5	60.6	66.4
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1458.4	1453.9	1449.4	1445.2	1441.0	1435.9	1441.0	1445.2	1449.4	1453.9	1458.4
5°	1369.6	1364.0	1358.3	1354.0	1349.7	1345.5	1349.7	1354.0	1358.3	1364.0	1369.6
7.5°	1316.2	1309.7	1303.3	1299.4	1295.6	1292.6	1295.6	1299.4	1303.3	1309.7	1316.2
10°	1300.1	1294.0	1287.8	1284.5	1281.2	1279.9	1281.2	1284.5	1287.8	1294.0	1300.1
12.5°	1323.9	1317.1	1310.3	1307.5	1304.7	1304.2	1304.7	1307.5	1310.3	1317.1	1323.9
15°	1373.3	1363.8	1354.2	1350.6	1347.0	1346.6	1347.0	1350.6	1354.2	1363.8	1373.3
17.5°	1420.8	1406.6	1392.5	1387.8	1383.2	1382.5	1383.2	1387.8	1392.5	1406.6	1420.8
20°	1449.6	1431.5	1413.5	1407.7	1401.9	1400.0	1401.9	1407.7	1413.5	1431.5	1449.6
22.5°	1450.6	1431.6	1412.6	1406.2	1399.8	1397.1	1399.8	1406.2	1412.6	1431.6	1450.6
25°	1421.3	1404.7	1388.3	1382.2	1376.3	1372.8	1376.3	1382.2	1388.3	1404.7	1421.3
27.5°	1363.7	1352.6	1341.5	1338.8	1336.1	1335.2	1336.1	1338.8	1341.5	1352.6	1363.7
30°	1292.8	1287.2	1281.5	1281.5	1281.5	1282.4	1281.5	1281.5	1281.5	1287.2	1292.8
32.5°	1221.7	1218.0	1214.3	1214.7	1215.3	1216.2	1215.3	1214.7	1214.3	1218.0	1221.7
35°	1158.9	1153.2	1147.6	1146.5	1145.2	1144.6	1145.2	1146.5	1147.6	1153.2	1158.9
37.5°	1105.5	1095.2	1085.0	1079.6	1074.2	1071.1	1074.2	1079.6	1085.0	1095.2	1105.5
40°	1056.5	1041.5	1026.7	1016.7	1006.8	1000.8	1006.8	1016.7	1026.7	1041.5	1056.5
42.5°	1006.9	988.3	969.9	955.2	940.5	931.0	940.5	955.2	969.9	988.3	1006.9
45°	958.0	936.7	915.6	898.5	881.3	870.3	881.3	898.5	915.6	936.7	958.0
47.5°	919.3	900.5	881.7	865.8	849.9	839.4	849.9	865.8	881.7	900.5	919.3
50°	896.3	881.2	866.1	851.5	836.8	826.6	836.8	851.5	866.1	881.2	896.3
52.5°	880.7	868.5	856.2	843.1	829.9	820.5	829.9	843.1	856.2	868.5	880.7
55°	866.1	855.5	844.8	833.2	821.7	813.2	821.7	833.2	844.8	855.5	866.1
57.5°	850.7	840.0	829.1	817.7	806.3	797.4	806.3	817.7	829.1	840.0	850.7
60°	829.3	818.8	808.2	796.5	784.7	775.6	784.7	796.5	808.2	818.8	829.3
62.5°	795.2	785.7	776.1	763.7	751.3	740.4	751.3	763.7	776.1	785.7	795.2
65°	749.1	739.8	730.7	718.7	706.7	697.3	706.7	718.7	730.7	739.8	749.1
67.5°	696.4	688.0	679.6	668.4	657.2	648.7	657.2	668.4	679.6	688.0	696.4
70°	640.1	633.2	626.5	615.7	605.1	595.3	605.1	615.7	626.5	633.2	640.1
72.5°	578.2	572.6	566.8	556.7	546.5	537.1	546.5	556.7	566.8	572.6	578.2
75°	504.4	501.6	498.9	490.3	481.7	472.7	481.7	490.3	498.9	501.6	504.4
77.5°	432.9	429.0	425.0	416.4	407.7	400.6	407.7	416.4	425.0	429.0	432.9
80°	352.0	350.3	348.7	337.0	325.4	311.9	325.4	337.0	348.7	350.3	352.0
82.5°	262.8	262.1	261.3	251.5	241.7	233.1	241.7	251.5	261.3	262.1	262.8
85°	166.9	165.6	164.5	156.8	149.1	141.4	149.1	156.8	164.5	165.6	166.9
87.5°	72.4	70.9	69.3	65.4	61.4	57.6	61.4	65.4	69.3	70.9	72.4
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1464.1	1469.8	1477.0	1484.2	1493.3	1502.5	1511.7	1520.9	1531.4	1541.8	1553.4
5°	1377.6	1385.5	1397.0	1408.2	1423.1	1437.9	1454.1	1470.4	1488.8	1507.3	1529.2
7.5°	1325.7	1335.2	1348.6	1362.1	1380.2	1398.3	1418.8	1439.2	1463.5	1487.8	1517.0
10°	1310.8	1321.3	1337.5	1353.7	1374.0	1394.3	1416.4	1438.5	1462.8	1487.0	1517.8
12.5°	1337.6	1351.3	1371.9	1392.5	1413.5	1434.6	1451.8	1469.1	1485.2	1501.3	1526.4
15°	1394.0	1414.8	1444.1	1473.5	1491.8	1510.0	1514.5	1519.0	1516.9	1514.6	1526.7
17.5°	1451.3	1481.9	1520.8	1559.7	1574.4	1589.2	1575.1	1561.1	1534.6	1508.1	1503.8
20°	1487.0	1524.5	1569.0	1613.5	1620.3	1627.1	1597.7	1568.2	1522.2	1476.3	1455.6
22.5°	1489.2	1527.9	1570.3	1612.8	1608.7	1604.6	1566.3	1528.1	1475.5	1423.0	1392.5
25°	1455.4	1489.8	1524.6	1559.4	1545.4	1531.4	1493.6	1455.9	1408.8	1361.6	1326.4
27.5°	1390.3	1417.0	1441.8	1466.6	1450.8	1435.2	1405.0	1374.7	1336.0	1297.2	1263.2
30°	1312.0	1331.1	1349.9	1368.9	1356.1	1343.4	1318.3	1293.1	1261.0	1228.9	1201.8
32.5°	1236.9	1252.1	1269.6	1286.9	1272.7	1258.6	1234.5	1210.4	1184.7	1159.1	1143.1
35°	1172.9	1186.9	1199.2	1211.7	1194.6	1177.6	1153.8	1130.1	1110.5	1090.9	1086.5
37.5°	1118.5	1131.4	1137.0	1142.8	1121.8	1100.7	1077.0	1053.3	1039.2	1025.2	1030.0
40°	1067.4	1078.4	1077.1	1075.7	1051.5	1027.4	1004.4	981.4	971.3	961.2	972.2
42.5°	1016.1	1025.3	1018.3	1011.4	985.3	959.2	937.4	915.6	907.3	899.1	913.7
45°	966.3	974.7	964.6	954.7	927.5	900.5	879.9	859.3	852.2	845.3	859.5
47.5°	925.2	931.0	919.4	907.9	881.2	854.5	834.4	814.2	807.7	801.1	813.0
50°	896.5	896.9	882.0	867.3	843.4	819.4	800.4	781.4	771.1	761.0	771.4
52.5°	877.6	874.4	856.9	839.4	817.0	794.7	777.3	759.8	744.6	729.2	739.5
55°	861.8	857.4	838.8	820.2	800.7	781.2	762.4	743.5	721.8	700.1	716.5
57.5°	846.3	841.8	823.2	804.4	785.0	765.8	743.6	721.6	698.1	674.8	698.7
60°	824.5	819.6	800.8	782.0	762.3	742.7	717.3	692.0	671.5	650.9	682.0
62.5°	790.5	785.8	768.5	751.3	730.4	709.5	679.9	650.3	637.2	624.2	663.1
65°	744.3	739.5	724.4	709.2	689.1	669.1	637.3	605.7	600.6	595.6	637.1
67.5°	691.8	687.2	674.0	660.9	642.0	623.0	593.7	564.4	566.0	567.5	602.1
70°	635.7	631.2	619.3	607.5	591.1	574.7	549.0	523.3	528.7	534.2	558.7
72.5°	572.9	567.5	556.0	544.4	529.6	514.8	494.6	474.3	482.3	490.3	507.1
75°	498.9	493.3	482.7	472.1	458.8	445.4	430.3	415.2	422.9	430.6	443.6
77.5°	427.6	422.4	411.3	400.3	388.7	377.2	365.0	352.7	360.5	368.3	378.6
80°	345.1	338.1	329.7	321.3	311.6	302.0	291.8	281.6	288.1	294.7	303.4
82.5°	251.0	239.2	221.3	203.3	206.7	210.1	210.9	211.8	216.4	221.0	225.3
85°	152.3	137.8	120.8	104.0	113.5	122.9	127.3	131.7	136.8	142.0	146.6
87.5°	66.4	60.6	53.5	46.4	53.6	60.8	61.0	61.2	62.1	63.1	65.0
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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CATALOG NUMBER: NAV-SB2B-735-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1565.1	1579.4	1592.3	1605.7	1619.1	1633.0	1647.0	1660.8	1674.7	1687.8	1700.8
5°	1551.2	1576.4	1601.9	1628.9	1655.9	1684.8	1713.7	1742.4	1771.2	1800.0	1828.9
7.5°	1546.2	1578.8	1613.6	1651.3	1689.0	1731.7	1774.6	1818.5	1862.4	1910.0	1957.5
10°	1548.7	1583.7	1626.6	1671.3	1715.8	1767.8	1819.8	1877.8	1935.8	1996.0	2056.1
12.5°	1551.7	1584.2	1629.3	1679.8	1730.2	1791.5	1852.8	1918.6	1984.4	2050.4	2116.5
15°	1538.7	1564.9	1614.8	1673.2	1731.5	1802.2	1872.8	1944.1	2015.5	2084.3	2153.2
17.5°	1499.4	1515.4	1574.2	1644.4	1714.6	1796.5	1878.4	1956.3	2034.2	2104.0	2173.9
20°	1435.0	1439.2	1507.7	1594.7	1681.7	1780.9	1880.3	1965.8	2051.4	2124.1	2196.7
22.5°	1362.0	1353.7	1431.5	1536.4	1641.1	1762.0	1882.7	1978.7	2074.7	2148.9	2223.0
25°	1291.2	1268.7	1348.5	1471.2	1594.0	1743.1	1892.3	2002.0	2111.7	2184.3	2257.0
27.5°	1229.3	1201.9	1274.6	1411.7	1548.8	1730.5	1912.3	2038.4	2164.5	2233.9	2303.2
30°	1174.9	1153.4	1214.4	1361.9	1509.4	1724.7	1939.7	2085.6	2231.4	2298.4	2365.4
32.5°	1127.1	1117.6	1166.8	1319.0	1471.2	1717.4	1963.4	2134.8	2306.1	2372.5	2438.8
35°	1082.1	1086.0	1127.0	1276.8	1426.7	1703.7	1980.8	2190.8	2401.0	2464.5	2528.0
37.5°	1034.8	1049.3	1085.2	1227.2	1369.3	1680.2	1991.1	2253.7	2516.3	2597.2	2678.2
40°	983.2	1005.3	1037.8	1168.0	1298.2	1647.8	1997.6	2333.4	2669.2	2787.2	2905.2
42.5°	928.2	956.1	986.0	1102.6	1219.1	1614.5	2009.9	2437.8	2865.6	3035.9	3206.2
45°	873.6	900.7	931.0	1033.2	1135.4	1583.4	2031.5	2575.0	3118.5	3348.3	3578.0
47.5°	824.9	848.1	887.2	978.3	1069.2	1557.8	2046.4	2721.3	3396.1	3719.5	4042.8
50°	782.0	809.0	860.5	941.8	1023.1	1529.9	2036.8	2857.0	3677.3	4164.8	4652.2
52.5°	750.0	787.7	847.0	917.8	988.6	1482.8	1976.9	2945.1	3913.2	4632.4	5351.5
55°	733.0	789.9	844.9	900.4	955.7	1404.6	1853.4	2925.7	3997.9	5047.0	6096.2
57.5°	722.8	792.0	840.5	879.7	918.8	1294.4	1669.8	2789.0	3908.2	5340.9	6773.5
60°	713.2	785.4	817.3	848.1	878.9	1151.3	1423.6	2534.7	3645.7	5414.4	7182.9
62.5°	702.0	769.0	772.8	793.2	813.7	980.0	1146.3	2190.7	3235.2	5105.1	6975.0
65°	678.6	729.5	729.0	738.6	748.2	825.9	903.5	1839.9	2776.2	4667.6	6559.0
67.5°	636.5	665.1	666.5	661.1	655.8	677.8	699.9	1496.1	2292.3	4146.9	6001.6
70°	583.2	592.7	592.7	567.6	542.6	536.4	530.1	1177.9	1825.8	3578.8	5331.8
72.5°	523.9	523.8	517.8	482.5	447.0	427.9	408.9	900.6	1392.3	2963.0	4533.8
75°	456.5	458.8	431.4	391.7	352.0	334.8	317.5	653.6	989.7	2256.9	3524.3
77.5°	389.0	390.2	345.0	306.5	267.9	256.1	244.5	442.9	641.3	1579.6	2518.0
80°	312.1	312.2	258.2	225.6	193.0	188.1	183.3	285.4	387.4	1017.7	1648.0
82.5°	229.5	226.9	180.8	156.8	132.7	131.8	131.0	175.5	220.2	589.1	958.0
85°	151.1	147.8	113.5	95.9	78.3	78.8	79.2	93.8	108.5	265.0	421.5
87.5°	66.7	62.5	48.3	41.0	33.8	34.3	34.7	38.9	43.0	86.8	130.5
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1707.2	1713.7	1722.9	1732.0	1737.6	1743.0	1745.7	1748.4	1747.2	1748.4	1745.7
5°	1851.4	1874.0	1896.2	1918.7	1930.8	1943.0	1950.3	1957.7	1963.3	1957.7	1950.3
7.5°	1994.1	2030.7	2063.7	2096.6	2116.5	2136.4	2147.2	2157.8	2163.0	2157.8	2147.2
10°	2099.5	2142.8	2181.5	2220.1	2243.5	2266.9	2277.3	2287.7	2291.6	2287.7	2277.3
12.5°	2163.5	2210.4	2245.4	2280.2	2297.2	2314.2	2319.9	2325.6	2326.2	2325.6	2319.9
15°	2193.8	2234.3	2256.2	2278.2	2278.8	2279.4	2273.2	2267.2	2260.0	2267.2	2273.2
17.5°	2201.3	2228.7	2229.1	2229.4	2204.9	2180.3	2157.7	2135.2	2119.3	2135.2	2157.7
20°	2206.2	2215.7	2186.9	2158.1	2103.8	2049.6	2010.1	1970.6	1946.3	1970.6	2010.1
22.5°	2210.5	2198.0	2138.4	2078.6	1998.7	1919.0	1869.6	1820.2	1793.3	1820.2	1869.6
25°	2217.6	2178.1	2087.4	1996.8	1899.8	1803.0	1751.0	1699.1	1673.8	1699.1	1751.0
27.5°	2232.7	2162.0	2041.9	1921.9	1814.5	1707.0	1656.0	1604.9	1581.0	1604.9	1656.0
30°	2260.2	2155.1	2007.3	1859.4	1747.5	1635.6	1588.1	1540.8	1518.4	1540.8	1588.1
32.5°	2294.8	2150.9	1983.6	1816.3	1711.1	1606.0	1568.8	1531.5	1515.4	1531.5	1568.8
35°	2351.8	2175.6	2001.3	1827.1	1754.0	1681.0	1672.3	1663.6	1662.2	1663.6	1672.3
37.5°	2470.9	2263.6	2105.1	1946.8	1942.1	1937.4	1977.0	2016.7	2037.3	2016.7	1977.0
40°	2679.8	2454.3	2336.5	2218.7	2301.8	2385.0	2481.4	2578.0	2626.0	2578.0	2481.4
42.5°	2982.5	2758.8	2690.9	2623.1	2804.4	2985.8	3161.3	3336.8	3439.9	3336.8	3161.3
45°	3377.0	3176.0	3146.0	3116.1	3406.6	3697.2	3985.6	4274.0	4449.1	4274.0	3985.6
47.5°	3847.3	3651.8	3645.7	3639.7	4058.8	4477.8	4900.0	5322.1	5570.1	5322.1	4900.0
50°	4410.7	4169.2	4170.2	4171.2	4711.4	5251.6	5808.9	6366.2	6703.1	6366.2	5808.9
52.5°	5059.2	4766.9	4737.2	4707.6	5352.9	5998.0	6687.6	7377.0	7781.0	7377.0	6687.6
55°	5807.3	5518.5	5403.2	5288.0	6006.1	6724.1	7546.0	8368.1	8848.5	8368.1	7546.0
57.5°	6616.2	6458.8	6227.7	5996.6	6721.6	7446.7	8377.7	9308.8	9904.5	9308.8	8377.7
60°	7427.2	7671.6	7384.5	7097.5	7783.6	8469.8	9466.7	10463.5	11107.3	10463.5	9466.7
62.5°	7642.6	8310.3	8277.9	8245.5	8874.0	9502.7	10451.1	11399.5	11994.6	11399.5	10451.1
65°	7185.6	7812.2	7936.2	8060.1	8858.9	9657.8	10577.5	11497.1	12003.7	11497.1	10577.5
67.5°	6597.5	7193.4	7251.7	7309.7	8142.0	8974.2	9897.8	10821.4	11218.4	10821.4	9897.8
70°	5980.1	6628.4	6654.3	6680.3	7424.7	8168.8	8963.7	9758.5	9979.1	9758.5	8963.7
72.5°	5277.6	6021.6	6040.2	6058.9	6641.2	7223.5	7818.8	8414.0	8436.4	8414.0	7818.8
75°	4294.1	5064.0	5133.1	5202.3	5655.3	6108.4	6527.4	6946.5	6834.2	6946.5	6527.4
77.5°	3236.6	3955.4	4054.4	4153.3	4497.7	4842.1	5139.2	5436.5	5243.5	5436.5	5139.2
80°	2252.6	2857.3	2980.2	3103.2	3363.2	3623.3	3779.4	3935.4	3624.9	3935.4	3779.4
82.5°	1371.3	1784.7	1922.1	2059.5	2238.5	2417.6	2482.7	2547.7	2303.8	2547.7	2482.7
85°	640.8	860.3	977.1	1093.9	1241.1	1388.1	1425.1	1462.0	1266.6	1462.0	1425.1
87.5°	204.2	278.0	343.2	408.4	481.9	555.4	558.6	561.7	471.6	561.7	558.6
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):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6	1581.6
2.5°	1743.0	1737.6	1732.0	1722.9	1713.7	1707.2	1700.8
5°	1943.0	1930.8	1918.7	1896.2	1874.0	1851.4	1828.9
7.5°	2136.4	2116.5	2096.6	2063.7	2030.7	1994.1	1957.5
10°	2266.9	2243.5	2220.1	2181.5	2142.8	2099.5	2056.1
12.5°	2314.2	2297.2	2280.2	2245.4	2210.4	2163.5	2116.5
15°	2279.4	2278.8	2278.2	2256.2	2234.3	2193.8	2153.2
17.5°	2180.3	2204.9	2229.4	2229.1	2228.7	2201.3	2173.9
20°	2049.6	2103.8	2158.1	2186.9	2215.7	2206.2	2196.7
22.5°	1919.0	1998.7	2078.6	2138.4	2198.0	2210.5	2223.0
25°	1803.0	1899.8	1996.8	2087.4	2178.1	2217.6	2257.0
27.5°	1707.0	1814.5	1921.9	2041.9	2162.0	2232.7	2303.2
30°	1635.6	1747.5	1859.4	2007.3	2155.1	2260.2	2365.4
32.5°	1606.0	1711.1	1816.3	1983.6	2150.9	2294.8	2438.8
35°	1681.0	1754.0	1827.1	2001.3	2175.6	2351.8	2528.0
37.5°	1937.4	1942.1	1946.8	2105.1	2263.6	2470.9	2678.2
40°	2385.0	2301.8	2218.7	2336.5	2454.3	2679.8	2905.2
42.5°	2985.8	2804.4	2623.1	2690.9	2758.8	2982.5	3206.2
45°	3697.2	3406.6	3116.1	3146.0	3176.0	3377.0	3578.0
47.5°	4477.8	4058.8	3639.7	3645.7	3651.8	3847.3	4042.8
50°	5251.6	4711.4	4171.2	4170.2	4169.2	4410.7	4652.2
52.5°	5998.0	5352.9	4707.6	4737.2	4766.9	5059.2	5351.5
55°	6724.1	6006.1	5288.0	5403.2	5518.5	5807.3	6096.2
57.5°	7446.7	6721.6	5996.6	6227.7	6458.8	6616.2	6773.5
60°	8469.8	7783.6	7097.5	7384.5	7671.6	7427.2	7182.9
62.5°	9502.7	8874.0	8245.5	8277.9	8310.3	7642.6	6975.0
65°	9657.8	8858.9	8060.1	7936.2	7812.2	7185.6	6559.0
67.5°	8974.2	8142.0	7309.7	7251.7	7193.4	6597.5	6001.6
70°	8168.8	7424.7	6680.3	6654.3	6628.4	5980.1	5331.8
72.5°	7223.5	6641.2	6058.9	6040.2	6021.6	5277.6	4533.8
75°	6108.4	5655.3	5202.3	5133.1	5064.0	4294.1	3524.3
77.5°	4842.1	4497.7	4153.3	4054.4	3955.4	3236.6	2518.0
80°	3623.3	3363.2	3103.2	2980.2	2857.3	2252.6	1648.0
82.5°	2417.6	2238.5	2059.5	1922.1	1784.7	1371.3	958.0
85°	1388.1	1241.1	1093.9	977.1	860.3	640.8	421.5
87.5°	555.4	481.9	408.4	343.2	278.0	204.2	130.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)