

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: P963108

Luminaire Tested: **NAV-SB2D-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963108
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-SB2D-827-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18073.8 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 147.6
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



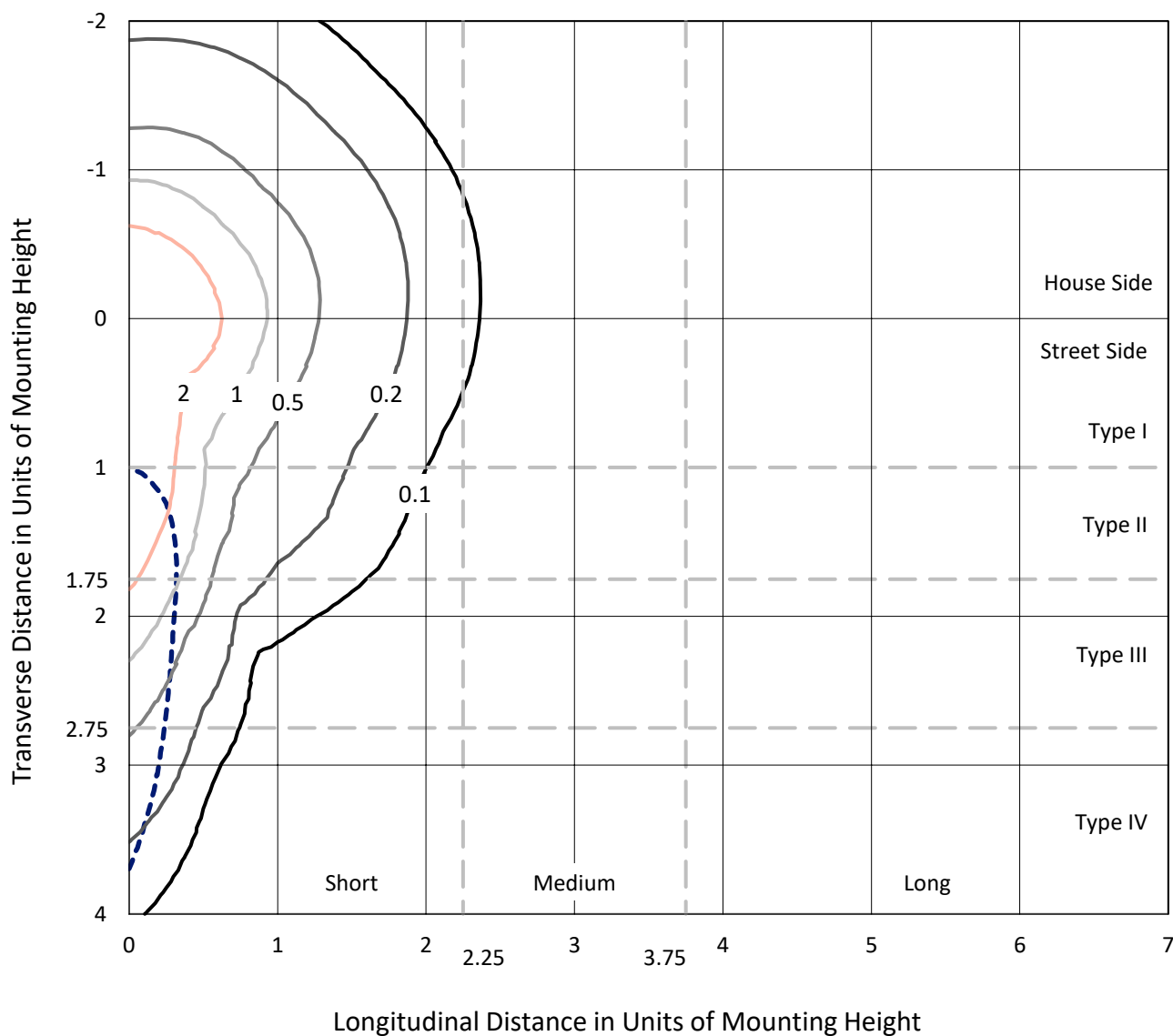
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

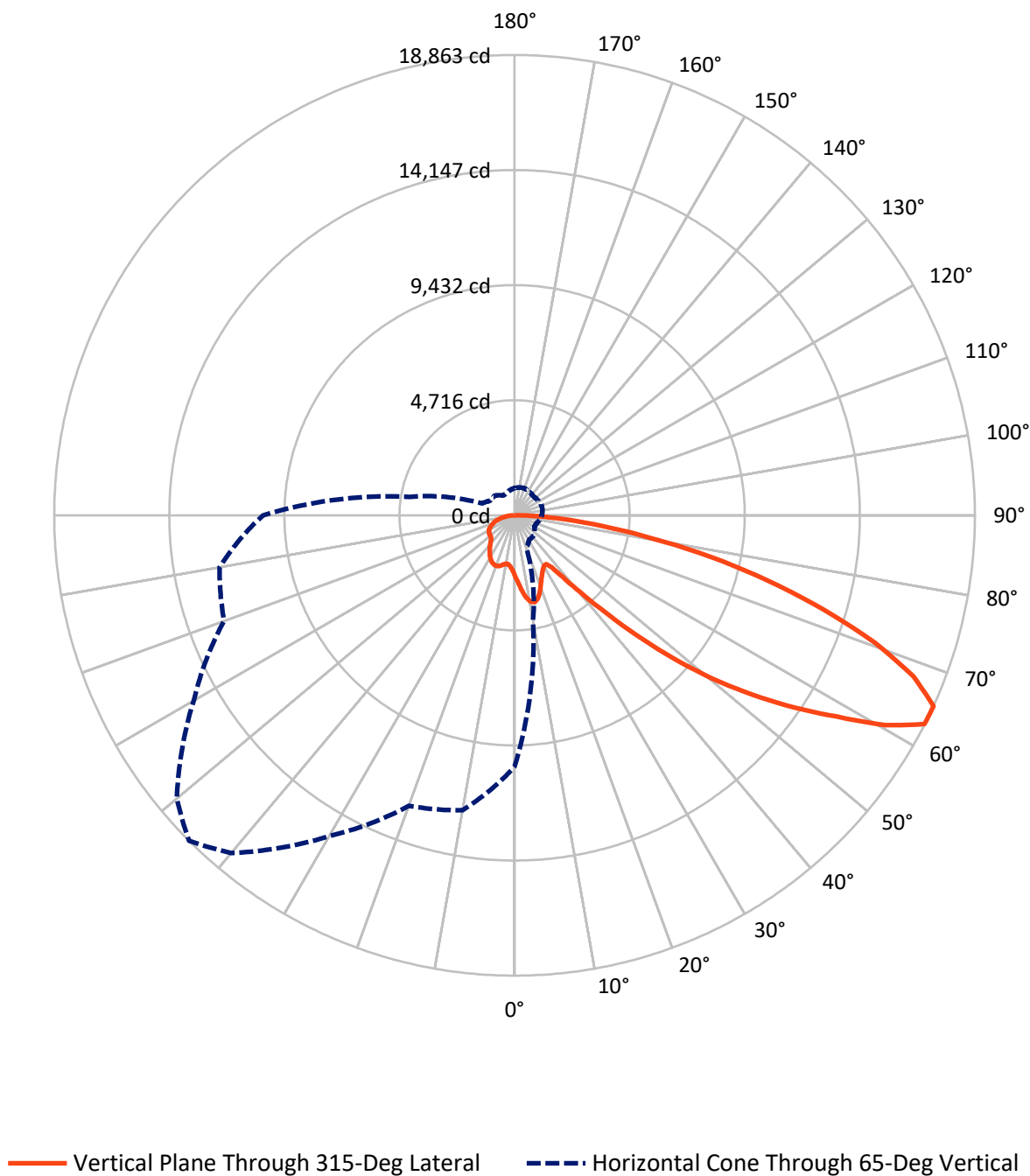


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc

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	4593.5	0.0	4593.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13480.4	0.0	13480.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	18073.8	0.0	18073.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	1.4
10°-20°	773.9	4.3
20°-30°	1195.5	6.6
30°-40°	1515.0	8.4
40°-50°	2285.0	12.6
50°-60°	3691.7	20.4
60°-70°	4602.2	25.5
70°-80°	3017.9	16.7
80°-90°	746.1	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°	18073.8	100.0
0°-180°	18073.8	100.0

Coefficient of Utilization



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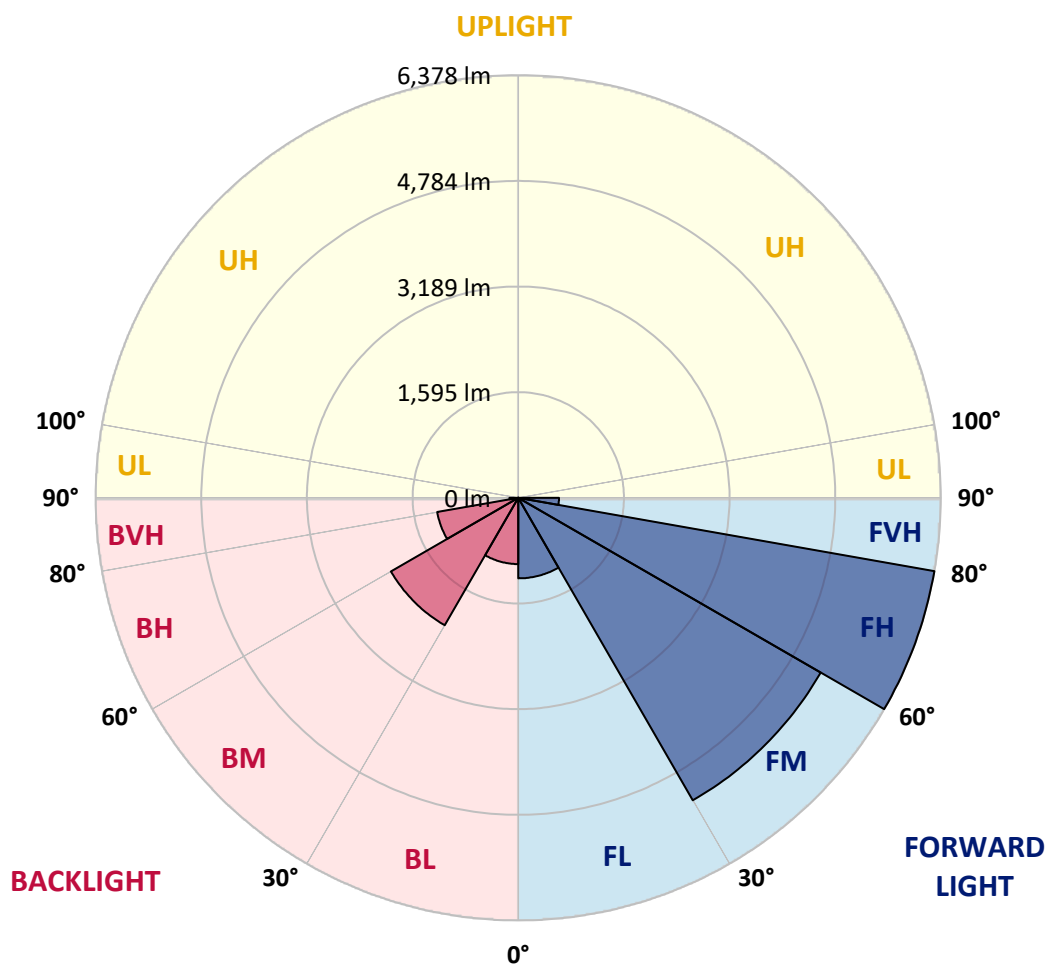
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1215.7	6.7			
FM	(30°-60°)	5271.7	29.2			
FH	(60°-80°)	6378.3	35.3			G3/7500
FVH	(80°-90°)	614.6	3.4			G4/750
BL	(0°-30°)	1000.3	5.5	B3/2500		
BM	(30°-60°)	2219.8	12.3	B2/2500		
BH	(60°-80°)	1241.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	131.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2672.7	2652.2	2631.7	2609.9	2588.1	2566.2	2544.3	2523.2	2502.3	2481.9	2459.4
5°	2873.9	2828.6	2783.3	2738.1	2693.0	2647.6	2602.2	2559.7	2517.3	2477.2	2437.7
7.5°	3076.1	3001.3	2926.7	2857.6	2788.6	2721.4	2654.1	2594.9	2535.6	2481.0	2429.8
10°	3231.1	3136.6	3042.1	2950.8	2859.6	2778.0	2696.3	2626.3	2556.0	2488.6	2433.7
12.5°	3326.0	3222.1	3118.4	3014.9	2911.6	2815.3	2718.9	2639.7	2560.4	2489.6	2438.4
15°	3383.7	3275.4	3167.1	3055.0	2942.9	2832.0	2721.1	2629.3	2537.6	2459.1	2418.1
17.5°	3416.1	3306.3	3196.6	3074.2	2951.9	2823.1	2694.3	2584.0	2473.6	2381.4	2356.1
20°	3451.9	3337.8	3223.6	3089.1	2954.7	2798.7	2642.7	2505.9	2369.2	2261.7	2255.0
22.5°	3493.3	3376.9	3260.2	3109.4	2958.6	2768.7	2579.0	2414.3	2249.6	2127.2	2140.3
25°	3546.8	3432.5	3318.3	3146.0	2973.6	2739.2	2504.9	2311.9	2119.1	1993.7	2029.0
27.5°	3619.3	3510.3	3401.4	3203.2	3005.1	2719.4	2433.8	2218.4	2003.0	1888.8	1931.7
30°	3717.0	3611.7	3506.5	3277.3	3048.1	2710.2	2372.1	2140.2	1908.3	1812.5	1846.1
32.5°	3832.4	3728.1	3624.0	3354.7	3085.4	2698.7	2311.9	2072.8	1833.4	1756.2	1771.2
35°	3972.6	3872.9	3773.0	3442.8	3112.6	2677.2	2241.9	2006.4	1771.0	1706.6	1700.4
37.5°	4208.6	4081.3	3954.1	3541.5	3128.8	2640.3	2151.7	1928.4	1705.2	1648.9	1626.3
40°	4565.2	4379.9	4194.5	3666.8	3139.1	2589.5	2040.0	1835.4	1630.8	1579.8	1545.0
42.5°	5038.3	4770.8	4503.1	3830.7	3158.4	2537.0	1915.7	1732.7	1549.6	1502.5	1458.7
45°	5622.4	5261.5	4900.5	4046.5	3192.5	2488.3	1784.1	1623.6	1463.0	1415.3	1372.8
47.5°	6353.0	5845.0	5336.9	4276.3	3215.8	2448.0	1680.2	1537.3	1394.3	1332.8	1296.2
50°	7310.5	6544.6	5778.5	4489.6	3200.6	2404.1	1607.7	1479.9	1352.2	1271.3	1228.9
52.5°	8409.6	7279.4	6149.4	4628.1	3106.7	2330.0	1553.6	1442.2	1330.9	1237.9	1178.5
55°	9579.8	7931.0	6282.4	4597.5	2912.5	2207.2	1501.8	1414.8	1327.7	1241.2	1151.9
57.5°	10644.1	8392.8	6141.6	4382.8	2624.1	2034.0	1443.9	1382.4	1320.8	1244.6	1135.8
60°	11287.4	8508.2	5729.0	3983.0	2237.2	1809.1	1381.1	1332.8	1284.4	1234.1	1120.7
62.5°	10960.7	8022.3	5083.9	3442.7	1801.3	1540.1	1278.7	1246.6	1214.5	1208.3	1103.2
65°	10307.0	7334.8	4362.6	2891.2	1419.8	1297.9	1175.9	1160.7	1145.5	1146.4	1066.2
67.5°	9431.0	6516.6	3602.3	2351.0	1099.8	1065.2	1030.4	1038.9	1047.3	1045.2	1000.2
70°	8378.7	5623.9	2869.2	1851.2	833.0	843.0	852.8	892.1	931.3	931.3	916.5
72.5°	7124.5	4656.1	2187.8	1415.2	642.6	672.4	702.4	758.1	813.6	823.1	823.2
75°	5538.1	3546.7	1555.2	1027.2	499.0	526.0	553.1	615.5	677.8	721.0	717.4
77.5°	3956.8	2482.3	1007.9	696.0	384.2	402.5	421.1	481.6	542.1	613.3	611.3
80°	2589.8	1599.3	609.0	448.4	288.0	295.6	303.3	354.5	405.8	490.7	490.4
82.5°	1505.4	925.7	346.0	275.8	205.8	207.2	208.7	246.4	284.2	356.7	360.7
85°	662.4	416.4	170.6	147.4	124.4	123.8	123.0	150.7	178.4	232.3	237.5
87.5°	205.0	136.4	67.8	61.1	54.5	53.9	53.2	64.5	75.8	98.2	104.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2441.0	2422.8	2406.4	2389.9	2375.5	2361.1	2346.6	2332.3	2321.1	2309.8	2300.8
5°	2403.1	2368.5	2339.5	2310.6	2285.0	2259.5	2236.3	2213.1	2195.2	2177.3	2164.8
7.5°	2383.8	2337.9	2299.8	2261.7	2229.5	2197.3	2168.9	2140.5	2119.3	2098.1	2083.2
10°	2385.2	2336.7	2298.6	2260.4	2225.8	2191.1	2159.2	2127.2	2101.9	2076.3	2059.7
12.5°	2398.7	2359.2	2333.8	2308.7	2281.4	2254.3	2221.3	2188.3	2155.8	2123.4	2102.0
15°	2399.1	2380.3	2383.6	2387.1	2380.0	2373.0	2344.3	2315.6	2269.4	2223.2	2190.6
17.5°	2363.0	2369.9	2411.5	2453.0	2475.2	2497.2	2474.0	2451.0	2389.9	2328.7	2280.6
20°	2287.4	2319.9	2392.0	2464.3	2510.5	2556.9	2546.2	2535.3	2465.4	2395.6	2336.7
22.5°	2188.3	2236.2	2318.7	2401.2	2461.3	2521.5	2528.1	2534.4	2467.7	2400.9	2340.3
25°	2084.2	2139.6	2213.7	2287.9	2347.1	2406.4	2428.4	2450.5	2395.7	2341.1	2287.1
27.5°	1985.1	2038.5	2099.4	2160.3	2207.7	2255.3	2279.9	2304.6	2265.6	2226.7	2184.8
30°	1888.5	1931.0	1981.5	2032.2	2071.5	2111.0	2131.0	2151.1	2121.3	2091.6	2061.7
32.5°	1796.3	1821.3	1861.7	1902.1	1939.9	1977.7	2000.0	2022.3	1995.1	1967.7	1943.7
35°	1707.2	1714.2	1745.1	1775.8	1813.1	1850.6	1877.3	1904.0	1884.6	1865.2	1843.1
37.5°	1618.6	1611.0	1633.1	1655.2	1692.4	1729.8	1762.8	1795.8	1786.8	1777.9	1757.6
40°	1527.7	1510.4	1526.3	1542.3	1578.4	1614.4	1652.4	1690.4	1692.6	1694.7	1677.4
42.5°	1435.8	1412.9	1425.9	1438.9	1473.0	1507.3	1548.3	1589.4	1600.3	1611.3	1596.6
45°	1350.5	1328.3	1339.2	1350.2	1382.6	1415.1	1457.7	1500.2	1515.9	1531.7	1518.4
47.5°	1277.6	1258.9	1269.2	1279.4	1311.1	1342.7	1384.8	1426.7	1444.8	1463.0	1453.8
50°	1212.3	1195.8	1211.8	1227.8	1257.8	1287.7	1325.2	1362.8	1386.1	1409.4	1408.8
52.5°	1162.1	1145.8	1169.9	1194.0	1221.5	1248.9	1283.8	1319.0	1346.5	1374.1	1379.0
55°	1126.0	1100.0	1134.3	1168.5	1198.0	1227.5	1258.3	1288.9	1318.0	1347.4	1354.2
57.5°	1098.1	1060.3	1097.2	1134.0	1168.6	1203.4	1233.7	1264.1	1293.6	1323.0	1329.9
60°	1071.8	1022.8	1055.1	1087.4	1127.3	1167.2	1197.9	1228.9	1258.4	1287.9	1295.6
62.5°	1042.0	980.8	1001.3	1021.9	1068.4	1114.9	1147.8	1180.7	1207.8	1234.8	1242.2
65°	1001.2	936.0	943.9	951.8	1001.5	1051.4	1082.9	1114.4	1138.3	1162.0	1169.6
67.5°	946.1	891.9	889.4	886.9	932.9	979.0	1008.8	1038.5	1059.1	1079.7	1087.1
70°	877.9	839.5	830.9	822.3	862.7	903.1	928.9	954.7	973.2	991.8	998.9
72.5°	796.8	770.4	757.8	745.3	777.2	808.9	832.2	855.5	873.7	891.9	900.3
75°	697.0	676.6	664.6	652.5	676.2	699.8	720.9	742.0	758.6	775.2	783.9
77.5°	595.0	578.7	566.5	554.3	573.6	592.8	610.8	628.9	646.4	663.8	672.0
80°	476.7	463.0	452.8	442.5	458.5	474.5	489.7	505.0	518.2	531.4	542.2
82.5°	354.0	347.4	340.1	332.8	331.5	330.2	324.8	319.5	347.7	376.0	394.4
85°	230.3	223.1	215.0	206.9	200.1	193.1	178.4	163.6	189.9	216.5	239.3
87.5°	102.1	99.2	97.7	96.1	95.8	95.5	84.3	73.0	84.0	95.2	104.4
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°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2291.7	2284.6	2277.5	2271.1	2264.5	2256.4	2264.5	2271.1	2277.5	2284.6	2291.7
5°	2152.3	2143.4	2134.6	2127.8	2121.0	2114.4	2121.0	2127.8	2134.6	2143.4	2152.3
7.5°	2068.3	2058.2	2048.1	2041.9	2036.0	2031.3	2036.0	2041.9	2048.1	2058.2	2068.3
10°	2043.0	2033.4	2023.8	2018.5	2013.4	2011.4	2013.4	2018.5	2023.8	2033.4	2043.0
12.5°	2080.4	2069.7	2059.0	2054.6	2050.2	2049.5	2050.2	2054.6	2059.0	2069.7	2080.4
15°	2158.0	2143.1	2128.1	2122.5	2116.7	2116.2	2116.7	2122.5	2128.1	2143.1	2158.0
17.5°	2232.6	2210.4	2188.3	2181.0	2173.6	2172.5	2173.6	2181.0	2188.3	2210.4	2232.6
20°	2277.9	2249.6	2221.2	2212.1	2203.0	2200.2	2203.0	2212.1	2221.2	2249.6	2277.9
22.5°	2279.5	2249.7	2219.7	2209.7	2199.6	2195.3	2199.6	2209.7	2219.7	2249.7	2279.5
25°	2233.4	2207.4	2181.5	2172.1	2162.8	2157.2	2162.8	2172.1	2181.5	2207.4	2233.4
27.5°	2143.0	2125.5	2108.1	2103.8	2099.5	2098.1	2099.5	2103.8	2108.1	2125.5	2143.0
30°	2031.5	2022.6	2013.7	2013.7	2013.7	2015.2	2013.7	2013.7	2013.7	2022.6	2031.5
32.5°	1919.7	1914.0	1908.1	1908.9	1909.8	1911.2	1909.8	1908.9	1908.1	1914.0	1919.7
35°	1821.0	1812.2	1803.4	1801.5	1799.6	1798.7	1799.6	1801.5	1803.4	1812.2	1821.0
37.5°	1737.2	1721.0	1705.0	1696.5	1688.1	1683.3	1688.1	1696.5	1705.0	1721.0	1737.2
40°	1660.2	1636.7	1613.5	1597.6	1582.0	1572.7	1582.0	1597.6	1613.5	1636.7	1660.2
42.5°	1582.2	1553.1	1524.0	1501.0	1478.0	1463.0	1478.0	1501.0	1524.0	1553.1	1582.2
45°	1505.4	1472.1	1438.9	1411.9	1385.0	1367.6	1385.0	1411.9	1438.9	1472.1	1505.4
47.5°	1444.6	1415.1	1385.5	1360.5	1335.7	1319.0	1335.7	1360.5	1385.5	1415.1	1444.6
50°	1408.5	1384.8	1361.1	1338.0	1315.0	1298.9	1315.0	1338.0	1361.1	1384.8	1408.5
52.5°	1384.0	1364.7	1345.4	1324.8	1304.2	1289.3	1304.2	1324.8	1345.4	1364.7	1384.0
55°	1361.1	1344.3	1327.6	1309.4	1291.3	1278.0	1291.3	1309.4	1327.6	1344.3	1361.1
57.5°	1336.9	1319.9	1302.9	1285.0	1267.0	1253.2	1267.0	1285.0	1302.9	1319.9	1336.9
60°	1303.2	1286.6	1270.1	1251.6	1233.1	1218.8	1233.1	1251.6	1270.1	1286.6	1303.2
62.5°	1249.5	1234.5	1219.5	1200.1	1180.7	1163.5	1180.7	1200.1	1219.5	1234.5	1249.5
65°	1177.0	1162.7	1148.2	1129.3	1110.6	1095.8	1110.6	1129.3	1148.2	1162.7	1177.0
67.5°	1094.4	1081.1	1067.9	1050.4	1032.9	1019.5	1032.9	1050.4	1067.9	1081.1	1094.4
70°	1005.9	995.2	984.4	967.6	950.8	935.5	950.8	967.6	984.4	995.2	1005.9
72.5°	908.7	899.7	890.7	874.7	858.7	844.0	858.7	874.7	890.7	899.7	908.7
75°	792.7	788.3	783.9	770.5	757.1	742.9	757.1	770.5	783.9	788.3	792.7
77.5°	680.2	674.0	667.8	654.3	640.7	629.5	640.7	654.3	667.8	674.0	680.2
80°	553.1	550.4	547.9	529.7	511.4	490.2	511.4	529.7	547.9	550.4	553.1
82.5°	413.0	411.8	410.5	395.2	379.8	366.2	379.8	395.2	410.5	411.8	413.0
85°	262.3	260.3	258.4	246.4	234.4	222.2	234.4	246.4	258.4	260.3	262.3
87.5°	113.7	111.4	109.0	102.8	96.6	90.6	96.6	102.8	109.0	111.4	113.7
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: P963108

CATALOG NUMBER: NAV-SB2D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2300.8	2309.8	2321.1	2332.3	2346.6	2361.1	2375.5	2389.9	2406.4	2422.8	2441.0
5°	2164.8	2177.3	2195.2	2213.1	2236.3	2259.5	2285.0	2310.6	2339.5	2368.5	2403.1
7.5°	2083.2	2098.1	2119.3	2140.5	2168.9	2197.3	2229.5	2261.7	2299.8	2337.9	2383.8
10°	2059.7	2076.3	2101.9	2127.2	2159.2	2191.1	2225.8	2260.4	2298.6	2336.7	2385.2
12.5°	2102.0	2123.4	2155.8	2188.3	2221.3	2254.3	2281.4	2308.7	2333.8	2359.2	2398.7
15°	2190.6	2223.2	2269.4	2315.6	2344.3	2373.0	2380.0	2387.1	2383.6	2380.3	2399.1
17.5°	2280.6	2328.7	2389.9	2451.0	2474.0	2497.2	2475.2	2453.0	2411.5	2369.9	2363.0
20°	2336.7	2395.6	2465.4	2535.3	2546.2	2556.9	2510.5	2464.3	2392.0	2319.9	2287.4
22.5°	2340.3	2400.9	2467.7	2534.4	2528.1	2521.5	2461.3	2401.2	2318.7	2236.2	2188.3
25°	2287.1	2341.1	2395.7	2450.5	2428.4	2406.4	2347.1	2287.9	2213.7	2139.6	2084.2
27.5°	2184.8	2226.7	2265.6	2304.6	2279.9	2255.3	2207.7	2160.3	2099.4	2038.5	1985.1
30°	2061.7	2091.6	2121.3	2151.1	2131.0	2111.0	2071.5	2032.2	1981.5	1931.0	1888.5
32.5°	1943.7	1967.7	1995.1	2022.3	2000.0	1977.7	1939.9	1902.1	1861.7	1821.3	1796.3
35°	1843.1	1865.2	1884.6	1904.0	1877.3	1850.6	1813.1	1775.8	1745.1	1714.2	1707.2
37.5°	1757.6	1777.9	1786.8	1795.8	1762.8	1729.8	1692.4	1655.2	1633.1	1611.0	1618.6
40°	1677.4	1694.7	1692.6	1690.4	1652.4	1614.4	1578.4	1542.3	1526.3	1510.4	1527.7
42.5°	1596.6	1611.3	1600.3	1589.4	1548.3	1507.3	1473.0	1438.9	1425.9	1412.9	1435.8
45°	1518.4	1531.7	1515.9	1500.2	1457.7	1415.1	1382.6	1350.2	1339.2	1328.3	1350.5
47.5°	1453.8	1463.0	1444.8	1426.7	1384.8	1342.7	1311.1	1279.4	1269.2	1258.9	1277.6
50°	1408.8	1409.4	1386.1	1362.8	1325.2	1287.7	1257.8	1227.8	1211.8	1195.8	1212.3
52.5°	1379.0	1374.1	1346.5	1319.0	1283.8	1248.9	1221.5	1194.0	1169.9	1145.8	1162.1
55°	1354.2	1347.4	1318.0	1288.9	1258.3	1227.5	1198.0	1168.5	1134.3	1100.0	1126.0
57.5°	1329.9	1323.0	1293.6	1264.1	1233.7	1203.4	1168.6	1134.0	1097.2	1060.3	1098.1
60°	1295.6	1287.9	1258.4	1228.9	1197.9	1167.2	1127.3	1087.4	1055.1	1022.8	1071.8
62.5°	1242.2	1234.8	1207.8	1180.7	1147.8	1114.9	1068.4	1021.9	1001.3	980.8	1042.0
65°	1169.6	1162.0	1138.3	1114.4	1082.9	1051.4	1001.5	951.8	943.9	936.0	1001.2
67.5°	1087.1	1079.7	1059.1	1038.5	1008.8	979.0	932.9	886.9	889.4	891.9	946.1
70°	998.9	991.8	973.2	954.7	928.9	903.1	862.7	822.3	830.9	839.5	877.9
72.5°	900.3	891.9	873.7	855.5	832.2	808.9	777.2	745.3	757.8	770.4	796.8
75°	783.9	775.2	758.6	742.0	720.9	699.8	676.2	652.5	664.6	676.6	697.0
77.5°	672.0	663.8	646.4	628.9	610.8	592.8	573.6	554.3	566.5	578.7	595.0
80°	542.2	531.4	518.2	505.0	489.7	474.5	458.5	442.5	452.8	463.0	476.7
82.5°	394.4	376.0	347.7	319.5	324.8	330.2	331.5	332.8	340.1	347.4	354.0
85°	239.3	216.5	189.9	163.6	178.4	193.1	200.1	206.9	215.0	223.1	230.3
87.5°	104.4	95.2	84.0	73.0	84.3	95.5	95.8	96.1	97.7	99.2	102.1
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: P963108

CATALOG NUMBER: NAV-SB2D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2459.4	2481.9	2502.3	2523.2	2544.3	2566.2	2588.1	2609.9	2631.7	2652.2	2672.7
5°	2437.7	2477.2	2517.3	2559.7	2602.2	2647.6	2693.0	2738.1	2783.3	2828.6	2873.9
7.5°	2429.8	2481.0	2535.6	2594.9	2654.1	2721.4	2788.6	2857.6	2926.7	3001.3	3076.1
10°	2433.7	2488.6	2556.0	2626.3	2696.3	2778.0	2859.6	2950.8	3042.1	3136.6	3231.1
12.5°	2438.4	2489.6	2560.4	2639.7	2718.9	2815.3	2911.6	3014.9	3118.4	3222.1	3326.0
15°	2418.1	2459.1	2537.6	2629.3	2721.1	2832.0	2942.9	3055.0	3167.1	3275.4	3383.7
17.5°	2356.1	2381.4	2473.6	2584.0	2694.3	2823.1	2951.9	3074.2	3196.6	3306.3	3416.1
20°	2255.0	2261.7	2369.2	2505.9	2642.7	2798.7	2954.7	3089.1	3223.6	3337.8	3451.9
22.5°	2140.3	2127.2	2249.6	2414.3	2579.0	2768.7	2958.6	3109.4	3260.2	3376.9	3493.3
25°	2029.0	1993.7	2119.1	2311.9	2504.9	2739.2	2973.6	3146.0	3318.3	3432.5	3546.8
27.5°	1931.7	1888.8	2003.0	2218.4	2433.8	2719.4	3005.1	3203.2	3401.4	3510.3	3619.3
30°	1846.1	1812.5	1908.3	2140.2	2372.1	2710.2	3048.1	3277.3	3506.5	3611.7	3717.0
32.5°	1771.2	1756.2	1833.4	2072.8	2311.9	2698.7	3085.4	3354.7	3624.0	3728.1	3832.4
35°	1700.4	1706.6	1771.0	2006.4	2241.9	2677.2	3112.6	3442.8	3773.0	3872.9	3972.6
37.5°	1626.3	1648.9	1705.2	1928.4	2151.7	2640.3	3128.8	3541.5	3954.1	4081.3	4208.6
40°	1545.0	1579.8	1630.8	1835.4	2040.0	2589.5	3139.1	3666.8	4194.5	4379.9	4565.2
42.5°	1458.7	1502.5	1549.6	1732.7	1915.7	2537.0	3158.4	3830.7	4503.1	4770.8	5038.3
45°	1372.8	1415.3	1463.0	1623.6	1784.1	2488.3	3192.5	4046.5	4900.5	5261.5	5622.4
47.5°	1296.2	1332.8	1394.3	1537.3	1680.2	2448.0	3215.8	4276.3	5336.9	5845.0	6353.0
50°	1228.9	1271.3	1352.2	1479.9	1607.7	2404.1	3200.6	4489.6	5778.5	6544.6	7310.5
52.5°	1178.5	1237.9	1330.9	1442.2	1553.6	2330.0	3106.7	4628.1	6149.4	7279.4	8409.6
55°	1151.9	1241.2	1327.7	1414.8	1501.8	2207.2	2912.5	4597.5	6282.4	7931.0	9579.8
57.5°	1135.8	1244.6	1320.8	1382.4	1443.9	2034.0	2624.1	4382.8	6141.6	8392.8	10644.1
60°	1120.7	1234.1	1284.4	1332.8	1381.1	1809.1	2237.2	3983.0	5729.0	8508.2	11287.4
62.5°	1103.2	1208.3	1214.5	1246.6	1278.7	1540.1	1801.3	3442.7	5083.9	8022.3	10960.7
65°	1066.2	1146.4	1145.5	1160.7	1175.9	1297.9	1419.8	2891.2	4362.6	7334.8	10307.0
67.5°	1000.2	1045.2	1047.3	1038.9	1030.4	1065.2	1099.8	2351.0	3602.3	6516.6	9431.0
70°	916.5	931.3	931.3	892.1	852.8	843.0	833.0	1851.2	2869.2	5623.9	8378.7
72.5°	823.2	823.1	813.6	758.1	702.4	672.4	642.6	1415.2	2187.8	4656.1	7124.5
75°	717.4	721.0	677.8	615.5	553.1	526.0	499.0	1027.2	1555.2	3546.7	5538.1
77.5°	611.3	613.3	542.1	481.6	421.1	402.5	384.2	696.0	1007.9	2482.3	3956.8
80°	490.4	490.7	405.8	354.5	303.3	295.6	288.0	448.4	609.0	1599.3	2589.8
82.5°	360.7	356.7	284.2	246.4	208.7	207.2	205.8	275.8	346.0	925.7	1505.4
85°	237.5	232.3	178.4	150.7	123.0	123.8	124.4	147.4	170.6	416.4	662.4
87.5°	104.9	98.2	75.8	64.5	53.2	53.9	54.5	61.1	67.8	136.4	205.0
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-SB2D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2682.8	2693.0	2707.4	2721.8	2730.4	2739.0	2743.3	2747.6	2745.7	2747.6	2743.3
5°	2909.4	2944.8	2979.9	3015.0	3034.1	3053.3	3064.7	3076.4	3085.1	3076.4	3064.7
7.5°	3133.7	3191.2	3243.0	3294.8	3326.0	3357.2	3374.1	3390.8	3398.9	3390.8	3374.1
10°	3299.2	3367.2	3428.0	3488.8	3525.6	3562.2	3578.6	3594.9	3601.1	3594.9	3578.6
12.5°	3399.8	3473.5	3528.5	3583.2	3609.8	3636.6	3645.5	3654.5	3655.5	3654.5	3645.5
15°	3447.4	3511.0	3545.5	3579.9	3580.9	3581.9	3572.3	3562.8	3551.5	3562.8	3572.3
17.5°	3459.1	3502.1	3502.8	3503.3	3464.7	3426.2	3390.7	3355.2	3330.2	3355.2	3390.7
20°	3466.9	3481.9	3436.6	3391.3	3306.0	3220.8	3158.7	3096.6	3058.5	3096.6	3158.7
22.5°	3473.7	3454.0	3360.3	3266.4	3141.0	3015.5	2938.0	2860.3	2818.1	2860.3	2938.0
25°	3484.8	3422.8	3280.3	3137.8	2985.5	2833.2	2751.6	2670.1	2630.3	2670.1	2751.6
27.5°	3508.5	3397.5	3208.8	3020.2	2851.3	2682.5	2602.3	2522.0	2484.4	2522.0	2602.3
30°	3551.7	3386.5	3154.2	2921.9	2746.1	2570.2	2495.7	2421.3	2386.1	2421.3	2495.7
32.5°	3606.1	3379.8	3117.0	2854.2	2688.9	2523.7	2465.2	2406.6	2381.4	2406.6	2465.2
35°	3695.6	3418.8	3144.9	2871.0	2756.2	2641.5	2627.9	2614.3	2612.1	2614.3	2627.9
37.5°	3882.8	3557.1	3308.2	3059.2	3051.8	3044.4	3106.8	3169.1	3201.5	3169.1	3106.8
40°	4211.0	3856.7	3671.6	3486.5	3617.1	3747.8	3899.4	4051.1	4126.6	4051.1	3899.4
42.5°	4686.8	4335.2	4228.6	4122.0	4407.0	4691.9	4967.8	5243.6	5405.5	5243.6	4967.8
45°	5306.7	4990.8	4943.8	4896.7	5353.3	5809.9	6263.1	6716.3	6991.5	6716.3	6263.1
47.5°	6045.8	5738.6	5729.0	5719.4	6378.1	7036.5	7700.0	8363.4	8752.9	8363.4	7700.0
50°	6931.0	6551.6	6553.2	6554.9	7403.7	8252.5	9128.2	10004.0	10533.5	10004.0	9128.2
52.5°	7950.1	7490.7	7444.3	7397.7	8411.6	9425.5	10509.0	11592.5	12227.2	11592.5	10509.0
55°	9125.8	8671.9	8490.8	8309.7	9438.1	10566.4	11858.1	13149.9	13904.7	13149.9	11858.1
57.5°	10396.9	10149.7	9786.4	9423.2	10562.5	11701.9	13165.1	14628.1	15564.1	14628.1	13165.1
60°	11671.3	12055.3	11604.2	11153.1	12231.4	13309.6	14876.1	16442.7	17454.4	16442.7	14876.1
62.5°	12009.8	13059.0	13008.2	12957.2	13945.0	14932.8	16423.3	17913.6	18848.6	17913.6	16423.3
65°	11291.6	12276.3	12471.2	12665.9	13921.1	15176.5	16621.7	18066.9	18863.0	18066.9	16621.7
67.5°	10367.6	11304.0	11395.4	11486.7	12794.6	14102.4	15553.8	17005.2	17628.9	17005.2	15553.8
70°	9397.2	10415.9	10456.7	10497.7	11667.3	12836.8	14085.9	15334.8	15681.5	15334.8	14085.9
72.5°	8293.5	9462.5	9491.8	9521.1	10436.1	11351.3	12286.7	13222.1	13257.1	13222.1	12286.7
75°	6747.9	7957.8	8066.3	8175.0	8887.0	9598.8	10257.4	10915.9	10739.4	10915.9	10257.4
77.5°	5086.2	6215.6	6371.1	6526.6	7067.8	7609.0	8076.0	8543.2	8239.9	8543.2	8076.0
80°	3539.9	4489.9	4683.1	4876.4	5285.1	5693.7	5939.0	6184.1	5696.3	6184.1	5939.0
82.5°	2155.0	2804.6	3020.5	3236.3	3517.7	3799.1	3901.4	4003.5	3620.2	4003.5	3901.4
85°	1007.1	1351.9	1535.4	1719.0	1950.2	2181.3	2239.3	2297.4	1990.3	2297.4	2239.3
87.5°	320.9	436.8	539.3	641.6	757.3	872.8	877.8	882.6	741.0	882.6	877.8
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: P963108

CATALOG NUMBER: NAV-SB2D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3	2485.3
2.5°	2739.0	2730.4	2721.8	2707.4	2693.0	2682.8	2672.7
5°	3053.3	3034.1	3015.0	2979.9	2944.8	2909.4	2873.9
7.5°	3357.2	3326.0	3294.8	3243.0	3191.2	3133.7	3076.1
10°	3562.2	3525.6	3488.8	3428.0	3367.2	3299.2	3231.1
12.5°	3636.6	3609.8	3583.2	3528.5	3473.5	3399.8	3326.0
15°	3581.9	3580.9	3579.9	3545.5	3511.0	3447.4	3383.7
17.5°	3426.2	3464.7	3503.3	3502.8	3502.1	3459.1	3416.1
20°	3220.8	3306.0	3391.3	3436.6	3481.9	3466.9	3451.9
22.5°	3015.5	3141.0	3266.4	3360.3	3454.0	3473.7	3493.3
25°	2833.2	2985.5	3137.8	3280.3	3422.8	3484.8	3546.8
27.5°	2682.5	2851.3	3020.2	3208.8	3397.5	3508.5	3619.3
30°	2570.2	2746.1	2921.9	3154.2	3386.5	3551.7	3717.0
32.5°	2523.7	2688.9	2854.2	3117.0	3379.8	3606.1	3832.4
35°	2641.5	2756.2	2871.0	3144.9	3418.8	3695.6	3972.6
37.5°	3044.4	3051.8	3059.2	3308.2	3557.1	3882.8	4208.6
40°	3747.8	3617.1	3486.5	3671.6	3856.7	4211.0	4565.2
42.5°	4691.9	4407.0	4122.0	4228.6	4335.2	4686.8	5038.3
45°	5809.9	5353.3	4896.7	4943.8	4990.8	5306.7	5622.4
47.5°	7036.5	6378.1	5719.4	5729.0	5738.6	6045.8	6353.0
50°	8252.5	7403.7	6554.9	6553.2	6551.6	6931.0	7310.5
52.5°	9425.5	8411.6	7397.7	7444.3	7490.7	7950.1	8409.6
55°	10566.4	9438.1	8309.7	8490.8	8671.9	9125.8	9579.8
57.5°	11701.9	10562.5	9423.2	9786.4	10149.7	10396.9	10644.1
60°	13309.6	12231.4	11153.1	11604.2	12055.3	11671.3	11287.4
62.5°	14932.8	13945.0	12957.2	13008.2	13059.0	12009.8	10960.7
65°	15176.5	13921.1	12665.9	12471.2	12276.3	11291.6	10307.0
67.5°	14102.4	12794.6	11486.7	11395.4	11304.0	10367.6	9431.0
70°	12836.8	11667.3	10497.7	10456.7	10415.9	9397.2	8378.7
72.5°	11351.3	10436.1	9521.1	9491.8	9462.5	8293.5	7124.5
75°	9598.8	8887.0	8175.0	8066.3	7957.8	6747.9	5538.1
77.5°	7609.0	7067.8	6526.6	6371.1	6215.6	5086.2	3956.8
80°	5693.7	5285.1	4876.4	4683.1	4489.9	3539.9	2589.8
82.5°	3799.1	3517.7	3236.3	3020.5	2804.6	2155.0	1505.4
85°	2181.3	1950.2	1719.0	1535.4	1351.9	1007.1	662.4
87.5°	872.8	757.3	641.6	539.3	436.8	320.9	205.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)