

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: P963013

Luminaire Tested: **NAV-SB2D-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963013
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-740-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21989.3 lumens
Efficiency: N/A
Efficacy: 149.0 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

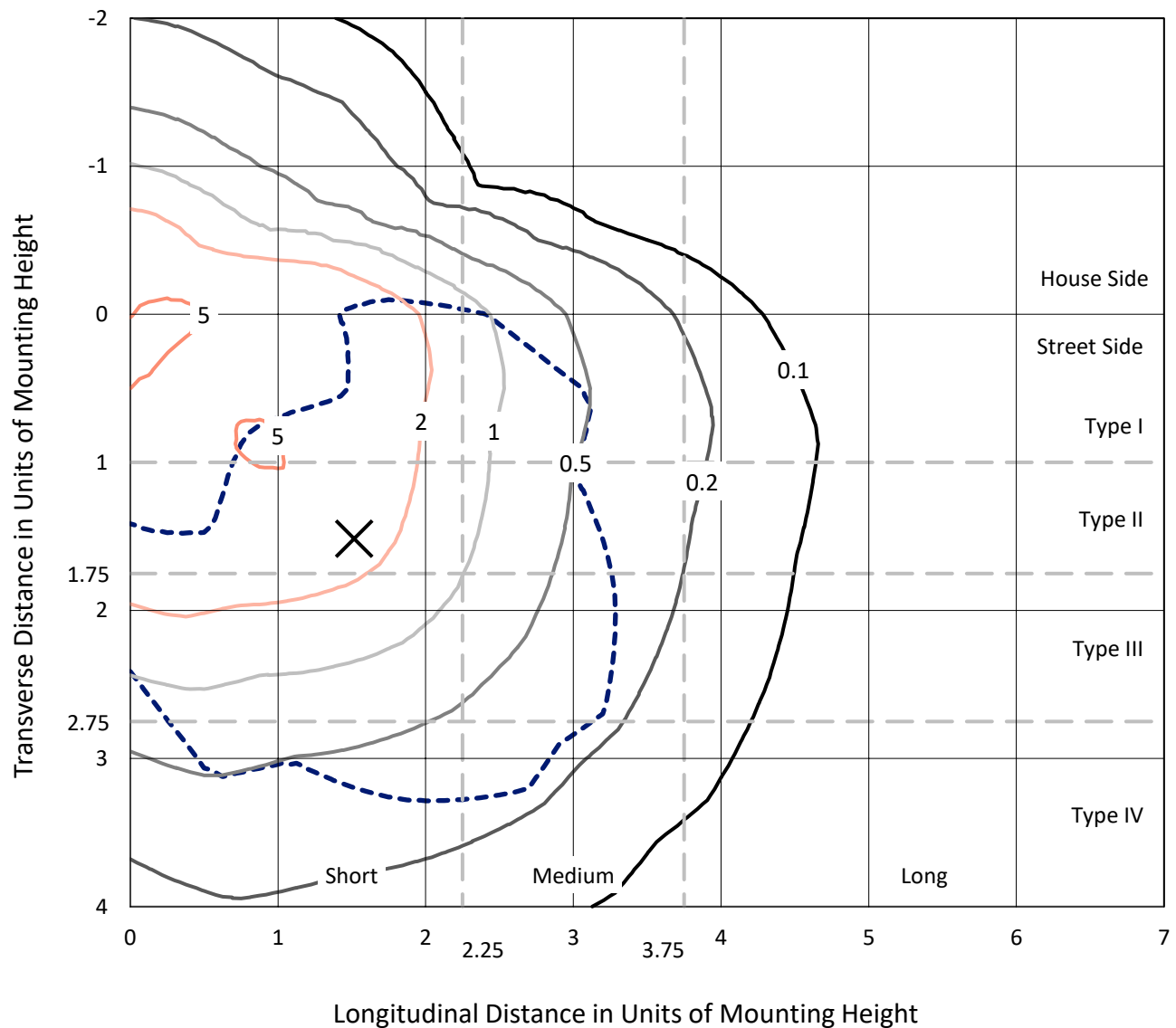


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

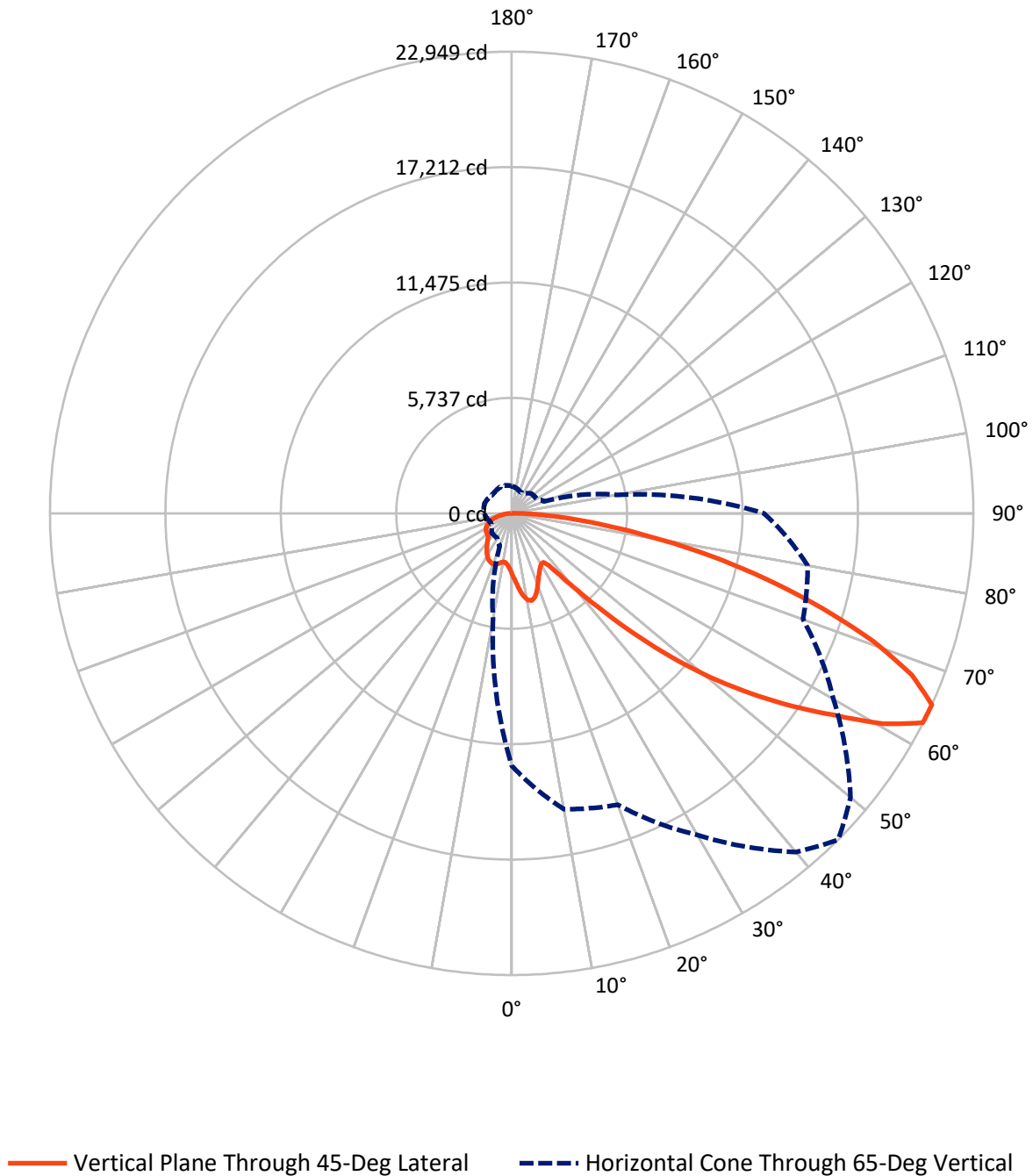


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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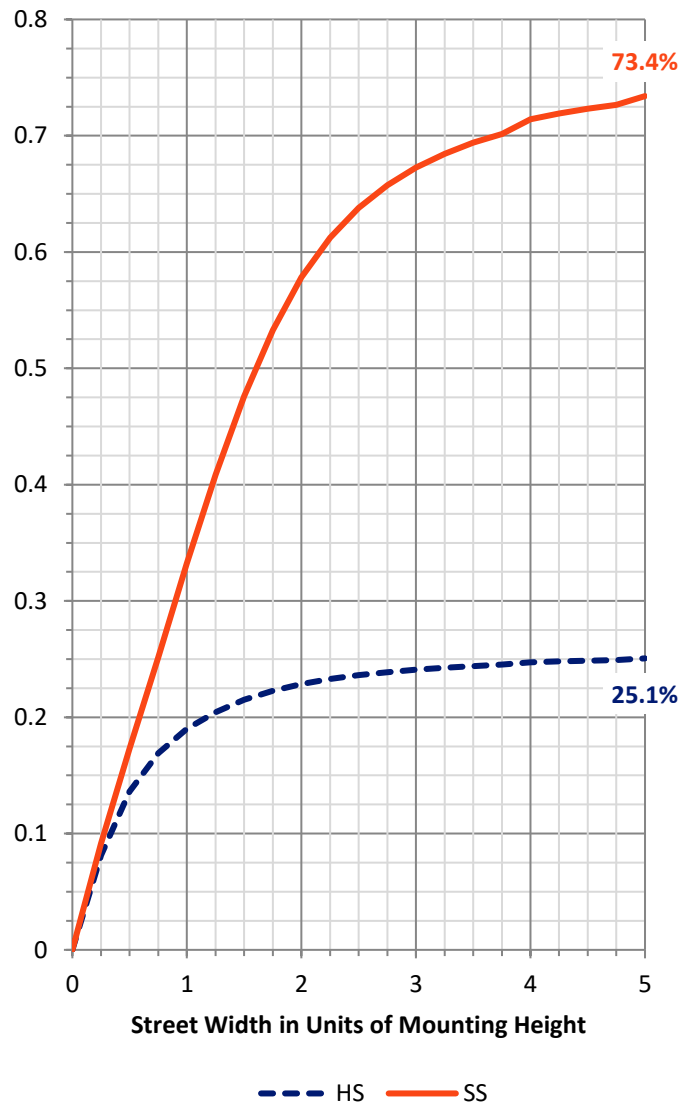
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5588.6	0.0	5588.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16400.7	0.0	16400.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	21989.3	0.0	21989.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	1.4
10°-20°	941.6	4.3
20°-30°	1454.5	6.6
30°-40°	1843.2	8.4
40°-50°	2780.0	12.6
50°-60°	4491.4	20.4
60°-70°	5599.3	25.5
70°-80°	3671.7	16.7
80°-90°	907.7	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°	21989.3	100.0
0°-180°	21989.3	100.0

Coefficient of Utilization



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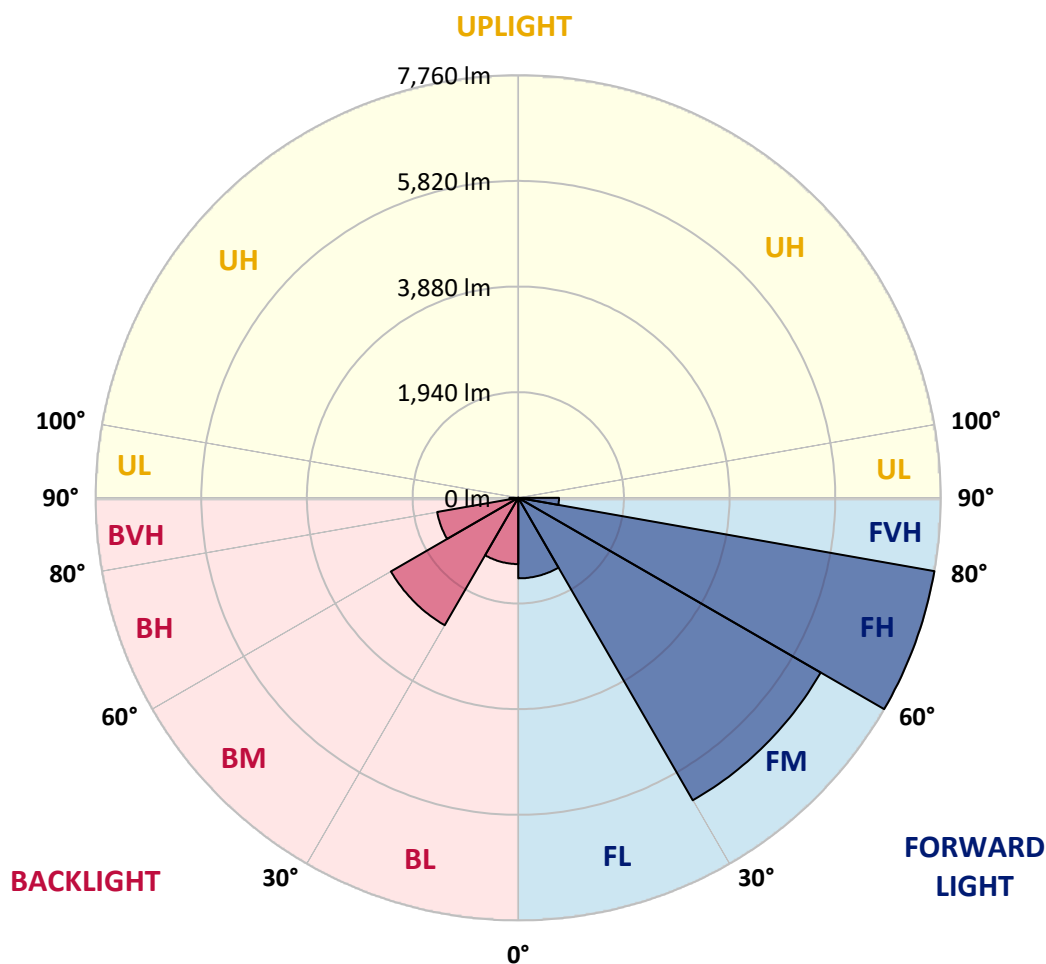
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1479.0	6.7			
FM	(30°-60°)	6413.8	29.2			
FH	(60°-80°)	7760.1	35.3			G4/12000
FVH	(80°-90°)	747.8	3.4			G4/750
BL	(0°-30°)	1217.0	5.5	B3/2500		
BM	(30°-60°)	2700.7	12.3	B3/5000		
BH	(60°-80°)	1510.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	160.0	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°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	3251.7	3264.0	3276.4	3293.9	3311.5	3321.9	3332.4	3337.6	3342.8	3340.5	3342.8
5°	3496.6	3539.6	3582.8	3625.4	3668.3	3691.4	3714.7	3728.7	3742.9	3753.6	3742.9
7.5°	3742.5	3812.6	3882.6	3945.5	4008.6	4046.5	4084.4	4105.0	4125.4	4135.3	4125.4
10°	3931.1	4013.9	4096.7	4170.6	4244.6	4289.3	4333.9	4353.9	4373.7	4381.3	4373.7
12.5°	4046.5	4136.3	4226.0	4292.8	4359.4	4391.9	4424.4	4435.4	4446.2	4447.4	4446.2
15°	4116.7	4194.2	4271.6	4313.5	4355.5	4356.7	4357.8	4346.2	4334.6	4320.9	4334.6
17.5°	4156.2	4208.4	4260.8	4261.6	4262.4	4215.3	4168.4	4125.3	4082.2	4051.7	4082.2
20°	4199.6	4217.9	4236.2	4181.1	4126.0	4022.3	3918.6	3843.0	3767.5	3721.1	3767.5
22.5°	4250.2	4226.3	4202.4	4088.2	3974.0	3821.4	3668.9	3574.4	3480.0	3428.6	3480.0
25°	4315.1	4239.7	4164.3	3990.9	3817.6	3632.3	3447.0	3347.6	3248.6	3200.0	3248.6
27.5°	4403.3	4268.5	4133.5	3903.9	3674.4	3469.0	3263.7	3166.0	3068.4	3022.5	3068.4
30°	4522.2	4321.2	4120.2	3837.6	3554.9	3341.0	3127.0	3036.4	2945.7	2903.0	2945.7
32.5°	4662.6	4387.3	4112.1	3792.3	3472.5	3271.5	3070.4	2999.3	2928.0	2897.3	2928.0
35°	4833.2	4496.3	4159.4	3826.2	3493.1	3353.4	3213.8	3197.2	3180.6	3178.0	3180.6
37.5°	5120.4	4724.0	4327.7	4024.9	3722.0	3713.0	3703.8	3779.8	3855.6	3895.1	3855.6
40°	5554.3	5123.3	4692.2	4467.1	4241.8	4400.7	4559.7	4744.2	4928.7	5020.6	4928.7
42.5°	6129.8	5702.2	5274.4	5144.8	5015.0	5361.7	5708.4	6043.9	6379.5	6576.5	6379.5
45°	6840.5	6456.4	6072.0	6014.8	5957.5	6513.0	7068.5	7619.8	8171.4	8506.1	8171.4
47.5°	7729.3	7355.6	6981.7	6970.1	6958.5	7759.8	8560.9	9368.1	10175.2	10649.1	10175.2
50°	8894.2	8432.6	7971.0	7973.0	7974.9	9007.6	10040.3	11105.8	12171.3	12815.5	12171.3
52.5°	10231.4	9672.4	9113.5	9057.0	9000.4	10233.9	11467.4	12785.7	14103.9	14876.1	14103.9
55°	11655.2	11102.8	10550.5	10330.2	10109.9	11482.7	12855.4	14427.1	15998.7	16917.0	15998.7
57.5°	12950.1	12649.3	12348.4	11906.5	11464.6	12850.8	14237.0	16017.2	17797.2	18936.0	17797.2
60°	13732.6	14199.7	14667.0	14118.2	13569.4	14881.3	16193.1	18098.9	20004.8	21235.6	20004.8
62.5°	13335.2	14611.7	15888.1	15826.3	15764.3	16966.0	18167.8	19981.1	21794.4	22932.0	21794.4
65°	12539.8	13737.9	14935.9	15172.9	15409.8	16937.0	18464.4	20222.6	21980.8	22949.4	21980.8
67.5°	11474.2	12613.5	13752.9	13864.2	13975.2	15566.4	17157.5	18923.3	20689.2	21448.0	20689.2
70°	10193.7	11433.1	12672.5	12722.1	12771.9	14194.9	15617.7	17137.4	18656.9	19078.7	18656.9
72.5°	8667.9	10090.1	11512.4	11548.2	11583.7	12697.1	13810.3	14948.5	16086.6	16129.2	16086.6
75°	6737.8	8209.7	9681.7	9813.9	9946.0	10812.2	11678.3	12479.5	13280.7	13066.1	13280.7
77.5°	4814.0	6188.0	7562.2	7751.4	7940.5	8598.9	9257.4	9825.5	10393.9	10024.9	10393.9
80°	3150.7	4306.7	5462.6	5697.8	5932.8	6430.1	6927.2	7225.6	7523.9	6930.4	7523.9
82.5°	1831.6	2621.8	3412.2	3674.7	3937.4	4279.8	4622.0	4746.6	4870.9	4404.4	4870.9
85°	805.9	1225.3	1644.7	1868.1	2091.4	2372.7	2653.8	2724.4	2795.2	2421.6	2795.2
87.5°	249.5	390.4	531.5	656.0	780.6	921.3	1061.9	1067.9	1073.9	901.6	1073.9
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°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	3337.6	3332.4	3321.9	3311.5	3293.9	3276.4	3264.0	3251.7	3226.8	3201.8	3175.2
5°	3728.7	3714.7	3691.4	3668.3	3625.4	3582.8	3539.6	3496.6	3441.4	3386.3	3331.4
7.5°	4105.0	4084.4	4046.5	4008.6	3945.5	3882.6	3812.6	3742.5	3651.6	3560.7	3476.7
10°	4353.9	4333.9	4289.3	4244.6	4170.6	4096.7	4013.9	3931.1	3816.1	3701.1	3590.1
12.5°	4435.4	4424.4	4391.9	4359.4	4292.8	4226.0	4136.3	4046.5	3920.1	3793.9	3668.2
15°	4346.2	4357.8	4356.7	4355.5	4313.5	4271.6	4194.2	4116.7	3985.0	3853.3	3716.9
17.5°	4125.3	4168.4	4215.3	4262.4	4261.6	4260.8	4208.4	4156.2	4022.6	3889.1	3740.2
20°	3843.0	3918.6	4022.3	4126.0	4181.1	4236.2	4217.9	4199.6	4060.9	3922.1	3758.4
22.5°	3574.4	3668.9	3821.4	3974.0	4088.2	4202.4	4226.3	4250.2	4108.4	3966.4	3783.0
25°	3347.6	3447.0	3632.3	3817.6	3990.9	4164.3	4239.7	4315.1	4176.2	4037.3	3827.6
27.5°	3166.0	3263.7	3469.0	3674.4	3903.9	4133.5	4268.5	4403.3	4270.8	4138.2	3897.2
30°	3036.4	3127.0	3341.0	3554.9	3837.6	4120.2	4321.2	4522.2	4394.2	4266.2	3987.4
32.5°	2999.3	3070.4	3271.5	3472.5	3792.3	4112.1	4387.3	4662.6	4535.8	4409.1	4081.4
35°	3197.2	3213.8	3353.4	3493.1	3826.2	4159.4	4496.3	4833.2	4711.8	4590.4	4188.7
37.5°	3779.8	3703.8	3713.0	3722.0	4024.9	4327.7	4724.0	5120.4	4965.6	4810.8	4308.8
40°	4744.2	4559.7	4400.7	4241.8	4467.1	4692.2	5123.3	5554.3	5328.8	5103.2	4461.2
42.5°	6043.9	5708.4	5361.7	5015.0	5144.8	5274.4	5702.2	6129.8	5804.3	5478.6	4660.7
45°	7619.8	7068.5	6513.0	5957.5	6014.8	6072.0	6456.4	6840.5	6401.3	5962.1	4923.1
47.5°	9368.1	8560.9	7759.8	6958.5	6970.1	6981.7	7355.6	7729.3	7111.2	6493.0	5202.8
50°	11105.8	10040.3	9007.6	7974.9	7973.0	7971.0	8432.6	8894.2	7962.4	7030.5	5462.2
52.5°	12785.7	11467.4	10233.9	9000.4	9057.0	9113.5	9672.4	10231.4	8856.5	7481.6	5630.6
55°	14427.1	12855.4	11482.7	10109.9	10330.2	10550.5	11102.8	11655.2	9649.2	7643.4	5593.5
57.5°	16017.2	14237.0	12850.8	11464.6	11906.5	12348.4	12649.3	12950.1	10211.0	7472.0	5332.3
60°	18098.9	16193.1	14881.3	13569.4	14118.2	14667.0	14199.7	13732.6	10351.5	6970.1	4846.0
62.5°	19981.1	18167.8	16966.0	15764.3	15826.3	15888.1	14611.7	13335.2	9760.3	6185.3	4188.5
65°	20222.6	18464.4	16937.0	15409.8	15172.9	14935.9	13737.9	12539.8	8923.9	5307.8	3517.5
67.5°	18923.3	17157.5	15566.4	13975.2	13864.2	13752.9	12613.5	11474.2	7928.4	4382.7	2860.4
70°	17137.4	15617.7	14194.9	12771.9	12722.1	12672.5	11433.1	10193.7	6842.3	3490.7	2252.1
72.5°	14948.5	13810.3	12697.1	11583.7	11548.2	11512.4	10090.1	8667.9	5664.8	2661.7	1721.8
75°	12479.5	11678.3	10812.2	9946.0	9813.9	9681.7	8209.7	6737.8	4315.0	1892.3	1249.7
77.5°	9825.5	9257.4	8598.9	7940.5	7751.4	7562.2	6188.0	4814.0	3020.2	1226.2	846.8
80°	7225.6	6927.2	6430.1	5932.8	5697.8	5462.6	4306.7	3150.7	1945.9	740.9	545.6
82.5°	4746.6	4622.0	4279.8	3937.4	3674.7	3412.2	2621.8	1831.6	1126.2	421.0	335.6
85°	2724.4	2653.8	2372.7	2091.4	1868.1	1644.7	1225.3	805.9	506.6	207.5	179.4
87.5°	1067.9	1061.9	921.3	780.6	656.0	531.5	390.4	249.5	165.9	82.4	74.4
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°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	3148.8	3122.1	3095.4	3069.9	3044.4	3019.6	2992.2	2969.8	2947.7	2927.6	2907.7
5°	3276.4	3221.1	3165.8	3114.3	3062.6	3013.9	2965.7	2923.7	2881.6	2846.3	2811.2
7.5°	3392.6	3310.9	3229.1	3157.0	3084.9	3018.5	2956.2	2900.2	2844.5	2798.0	2751.6
10°	3479.2	3379.8	3280.4	3195.2	3109.8	3027.7	2960.8	2901.9	2842.9	2796.5	2750.1
12.5°	3542.4	3425.1	3308.0	3211.5	3115.2	3029.0	2966.7	2918.4	2870.3	2839.5	2808.8
15°	3580.4	3445.5	3310.5	3198.9	3087.3	2991.8	2942.0	2918.8	2895.8	2900.0	2904.2
17.5°	3591.3	3434.7	3278.1	3143.8	3009.6	2897.3	2866.5	2875.0	2883.3	2934.0	2984.5
20°	3594.8	3404.9	3215.2	3048.8	2882.4	2751.6	2743.5	2783.0	2822.4	2910.3	2998.2
22.5°	3599.5	3368.6	3137.6	2937.2	2736.9	2588.0	2603.9	2662.3	2720.7	2820.9	2921.4
25°	3617.8	3332.6	3047.5	2812.8	2578.2	2425.6	2468.5	2535.8	2603.1	2693.3	2783.5
27.5°	3656.1	3308.6	2961.0	2698.9	2436.8	2297.9	2350.2	2415.1	2480.1	2554.3	2628.3
30°	3708.6	3297.3	2885.9	2603.8	2321.7	2205.2	2246.1	2297.6	2349.4	2410.9	2472.3
32.5°	3753.8	3283.4	2812.8	2521.8	2230.7	2136.7	2154.9	2185.4	2215.9	2265.0	2314.2
35°	3787.0	3257.1	2727.6	2441.1	2154.7	2076.3	2068.8	2077.2	2085.7	2123.1	2160.5
37.5°	3806.6	3212.2	2617.8	2346.2	2074.6	2006.1	1978.6	1969.2	1960.0	1986.9	2013.7
40°	3819.2	3150.4	2481.8	2233.0	1984.1	1922.0	1879.6	1858.6	1837.6	1857.1	1876.5
42.5°	3842.6	3086.6	2330.7	2108.0	1885.3	1828.1	1774.7	1746.8	1718.9	1734.7	1750.7
45°	3884.0	3027.3	2170.6	1975.3	1779.9	1721.9	1670.2	1643.1	1616.0	1629.2	1642.8
47.5°	3912.5	2978.3	2044.2	1870.3	1696.4	1621.6	1577.1	1554.3	1531.6	1544.2	1556.6
50°	3894.0	2924.9	1956.0	1800.5	1645.0	1546.6	1495.1	1474.9	1454.8	1474.3	1493.8
52.5°	3779.7	2834.8	1890.1	1754.6	1619.2	1506.0	1433.9	1413.9	1394.1	1423.4	1452.7
55°	3543.5	2685.4	1827.3	1721.3	1615.4	1510.1	1401.4	1369.8	1338.4	1380.1	1421.6
57.5°	3192.6	2474.7	1756.6	1681.8	1607.0	1514.2	1381.9	1336.0	1290.0	1334.8	1379.5
60°	2721.8	2201.1	1680.4	1621.6	1562.7	1501.4	1363.6	1304.0	1244.5	1283.7	1323.0
62.5°	2191.6	1873.6	1555.7	1516.6	1477.6	1470.1	1342.2	1267.7	1193.4	1218.3	1243.2
65°	1727.4	1579.0	1430.6	1412.1	1393.7	1394.7	1297.2	1218.1	1138.9	1148.4	1157.9
67.5°	1338.0	1295.9	1253.7	1264.0	1274.3	1271.7	1216.9	1151.0	1085.1	1082.1	1079.1
70°	1013.5	1025.6	1037.5	1085.4	1133.0	1133.0	1115.0	1068.2	1021.3	1010.9	1000.4
72.5°	781.8	818.2	854.5	922.3	989.9	1001.3	1001.5	969.4	937.3	922.0	906.8
75°	607.1	640.0	673.0	748.9	824.7	877.2	872.8	848.1	823.2	808.6	793.9
77.5°	467.4	489.7	512.3	586.0	659.6	746.1	743.7	724.0	704.1	689.2	674.3
80°	350.4	359.7	369.0	431.4	493.7	597.0	596.7	580.0	563.3	550.9	538.3
82.5°	250.4	252.0	253.9	299.8	345.7	434.0	438.8	430.7	422.6	413.8	405.0
85°	151.4	150.6	149.6	183.4	217.0	282.5	288.9	280.2	271.5	261.7	251.7
87.5°	66.3	65.6	64.8	78.4	92.2	119.5	127.6	124.1	120.6	118.8	117.0
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: P963013

CATALOG NUMBER: NAV-SB2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	2890.2	2872.7	2855.0	2837.5	2823.9	2810.2	2799.2	2788.2	2779.6	2771.0	2763.1
5°	2780.1	2748.9	2720.8	2692.5	2670.7	2648.9	2633.7	2618.6	2607.8	2596.9	2588.7
7.5°	2712.6	2673.3	2638.8	2604.3	2578.4	2552.7	2534.5	2516.5	2504.1	2491.8	2484.3
10°	2708.0	2665.8	2626.9	2588.0	2557.2	2526.2	2506.0	2485.6	2473.8	2462.2	2455.9
12.5°	2775.7	2742.7	2702.4	2662.3	2622.9	2583.4	2557.3	2531.1	2518.0	2505.1	2499.8
15°	2895.6	2887.0	2852.2	2817.2	2761.0	2704.9	2665.2	2625.5	2607.3	2589.1	2582.2
17.5°	3011.4	3038.2	3010.0	2981.9	2907.6	2833.2	2774.7	2716.2	2689.3	2662.3	2653.5
20°	3054.5	3110.8	3097.8	3084.6	2999.6	2914.7	2842.9	2771.4	2736.9	2702.3	2691.3
22.5°	2994.6	3067.8	3075.7	3083.5	3002.2	2921.0	2847.2	2773.3	2737.1	2700.6	2688.4
25°	2855.5	2927.6	2954.6	2981.4	2914.8	2848.3	2782.6	2717.2	2685.6	2654.1	2642.7
27.5°	2686.1	2743.8	2773.8	2803.9	2756.4	2709.1	2658.1	2607.2	2586.1	2564.9	2559.6
30°	2520.3	2568.3	2592.6	2617.0	2581.0	2544.8	2508.3	2471.7	2460.8	2450.0	2450.0
32.5°	2360.2	2406.2	2433.2	2460.4	2427.2	2393.9	2364.8	2335.7	2328.6	2321.5	2322.4
35°	2205.9	2251.5	2284.0	2316.5	2292.8	2269.4	2242.4	2215.5	2204.8	2194.1	2191.8
37.5°	2059.0	2104.5	2144.7	2184.8	2173.9	2163.1	2138.3	2113.4	2093.9	2074.4	2064.0
40°	1920.2	1964.1	2010.3	2056.7	2059.3	2061.9	2040.9	2019.9	1991.3	1963.0	1943.7
42.5°	1792.2	1833.8	1883.7	1933.7	1947.0	1960.3	1942.6	1925.0	1889.5	1854.1	1826.1
45°	1682.2	1721.7	1773.4	1825.1	1844.3	1863.4	1847.5	1831.6	1791.0	1750.7	1717.8
47.5°	1595.2	1633.6	1684.8	1735.8	1757.9	1779.9	1768.7	1757.6	1721.7	1685.7	1655.3
50°	1530.3	1566.6	1612.3	1658.0	1686.3	1714.7	1714.0	1713.5	1684.8	1656.0	1627.9
52.5°	1486.1	1519.4	1562.0	1604.6	1638.3	1671.8	1677.8	1683.8	1660.4	1636.9	1611.8
55°	1457.6	1493.5	1530.9	1568.1	1603.6	1639.3	1647.6	1656.0	1635.6	1615.1	1593.1
57.5°	1421.8	1464.0	1500.9	1538.0	1573.8	1609.6	1618.1	1626.5	1605.9	1585.2	1563.3
60°	1371.4	1419.9	1457.4	1495.1	1531.0	1567.0	1576.2	1585.6	1565.4	1545.3	1522.7
62.5°	1299.8	1356.4	1396.5	1436.4	1469.4	1502.3	1511.3	1520.2	1502.0	1483.8	1460.1
65°	1218.5	1279.2	1317.5	1355.8	1384.8	1413.8	1423.0	1432.0	1414.5	1397.0	1374.0
67.5°	1135.0	1191.0	1227.3	1263.5	1288.6	1313.6	1322.7	1331.5	1315.3	1299.3	1278.0
70°	1049.6	1098.8	1130.2	1161.4	1184.1	1206.7	1215.2	1223.8	1210.7	1197.6	1177.2
72.5°	945.6	984.2	1012.5	1040.8	1062.9	1085.1	1095.3	1105.6	1094.6	1083.7	1064.3
75°	822.7	851.5	877.1	902.7	922.9	943.1	953.8	964.4	959.1	953.8	937.4
77.5°	697.8	721.1	743.1	765.2	786.5	807.6	817.5	827.5	820.1	812.4	795.9
80°	557.9	577.3	595.8	614.4	630.5	646.5	659.8	673.0	669.7	666.6	644.4
82.5°	403.3	401.7	395.2	388.7	423.0	457.4	479.9	502.5	501.0	499.5	480.8
85°	243.4	234.9	217.0	199.0	231.1	263.4	291.2	319.1	316.7	314.5	299.8
87.5°	116.6	116.2	102.6	88.8	102.2	115.8	127.1	138.3	135.5	132.5	125.0
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: P963013

CATALOG NUMBER: NAV-SB2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	2755.1	2745.3	2755.1	2763.1	2771.0	2779.6	2788.2	2799.2	2810.2	2823.9	2837.5
5°	2580.5	2572.3	2580.5	2588.7	2596.9	2607.8	2618.6	2633.7	2648.9	2670.7	2692.5
7.5°	2477.0	2471.4	2477.0	2484.3	2491.8	2504.1	2516.5	2534.5	2552.7	2578.4	2604.3
10°	2449.6	2447.1	2449.6	2455.9	2462.2	2473.8	2485.6	2506.0	2526.2	2557.2	2588.0
12.5°	2494.4	2493.5	2494.4	2499.8	2505.1	2518.0	2531.1	2557.3	2583.4	2622.9	2662.3
15°	2575.3	2574.7	2575.3	2582.2	2589.1	2607.3	2625.5	2665.2	2704.9	2761.0	2817.2
17.5°	2644.5	2643.2	2644.5	2653.5	2662.3	2689.3	2716.2	2774.7	2833.2	2907.6	2981.9
20°	2680.3	2676.8	2680.3	2691.3	2702.3	2736.9	2771.4	2842.9	2914.7	2999.6	3084.6
22.5°	2676.2	2670.9	2676.2	2688.4	2700.6	2737.1	2773.3	2847.2	2921.0	3002.2	3083.5
25°	2631.3	2624.6	2631.3	2642.7	2654.1	2685.6	2717.2	2782.6	2848.3	2914.8	2981.4
27.5°	2554.4	2552.7	2554.4	2559.6	2564.9	2586.1	2607.2	2658.1	2709.1	2756.4	2803.9
30°	2450.0	2451.7	2450.0	2450.0	2450.0	2460.8	2471.7	2508.3	2544.8	2581.0	2617.0
32.5°	2323.5	2325.2	2323.5	2322.4	2321.5	2328.6	2335.7	2364.8	2393.9	2427.2	2460.4
35°	2189.5	2188.3	2189.5	2191.8	2194.1	2204.8	2215.5	2242.4	2269.4	2292.8	2316.5
37.5°	2053.7	2048.0	2053.7	2064.0	2074.4	2093.9	2113.4	2138.3	2163.1	2173.9	2184.8
40°	1924.6	1913.4	1924.6	1943.7	1963.0	1991.3	2019.9	2040.9	2061.9	2059.3	2056.7
42.5°	1798.3	1779.9	1798.3	1826.1	1854.1	1889.5	1925.0	1942.6	1960.3	1947.0	1933.7
45°	1685.0	1663.9	1685.0	1717.8	1750.7	1791.0	1831.6	1847.5	1863.4	1844.3	1825.1
47.5°	1625.0	1604.6	1625.0	1655.3	1685.7	1721.7	1757.6	1768.7	1779.9	1757.9	1735.8
50°	1599.8	1580.3	1599.8	1627.9	1656.0	1684.8	1713.5	1714.0	1714.7	1686.3	1658.0
52.5°	1586.7	1568.8	1586.7	1611.8	1636.9	1660.4	1683.8	1677.8	1671.8	1638.3	1604.6
55°	1571.0	1554.8	1571.0	1593.1	1615.1	1635.6	1656.0	1647.6	1639.3	1603.6	1568.1
57.5°	1541.5	1524.6	1541.5	1563.3	1585.2	1605.9	1626.5	1618.1	1609.6	1573.8	1538.0
60°	1500.3	1482.9	1500.3	1522.7	1545.3	1565.4	1585.6	1576.2	1567.0	1531.0	1495.1
62.5°	1436.4	1415.5	1436.4	1460.1	1483.8	1502.0	1520.2	1511.3	1502.3	1469.4	1436.4
65°	1351.2	1333.2	1351.2	1374.0	1397.0	1414.5	1432.0	1423.0	1413.8	1384.8	1355.8
67.5°	1256.5	1240.4	1256.5	1278.0	1299.3	1315.3	1331.5	1322.7	1313.6	1288.6	1263.5
70°	1156.8	1138.3	1156.8	1177.2	1197.6	1210.7	1223.8	1215.2	1206.7	1184.1	1161.4
72.5°	1044.9	1026.8	1044.9	1064.3	1083.7	1094.6	1105.6	1095.3	1085.1	1062.9	1040.8
75°	921.1	903.8	921.1	937.4	953.8	959.1	964.4	953.8	943.1	922.9	902.7
77.5°	779.5	765.8	779.5	795.9	812.4	820.1	827.5	817.5	807.6	786.5	765.2
80°	622.2	596.3	622.2	644.4	666.6	669.7	673.0	659.8	646.5	630.5	614.4
82.5°	462.1	445.6	462.1	480.8	499.5	501.0	502.5	479.9	457.4	423.0	388.7
85°	285.2	270.4	285.2	299.8	314.5	316.7	319.1	291.2	263.4	231.1	199.0
87.5°	117.5	110.2	117.5	125.0	132.5	135.5	138.3	127.1	115.8	102.2	88.8
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: P963013

CATALOG NUMBER: NAV-SB2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	2855.0	2872.7	2890.2	2907.7	2927.6	2947.7	2969.8	2992.2	3019.6	3044.4	3069.9
5°	2720.8	2748.9	2780.1	2811.2	2846.3	2881.6	2923.7	2965.7	3013.9	3062.6	3114.3
7.5°	2638.8	2673.3	2712.6	2751.6	2798.0	2844.5	2900.2	2956.2	3018.5	3084.9	3157.0
10°	2626.9	2665.8	2708.0	2750.1	2796.5	2842.9	2901.9	2960.8	3027.7	3109.8	3195.2
12.5°	2702.4	2742.7	2775.7	2808.8	2839.5	2870.3	2918.4	2966.7	3029.0	3115.2	3211.5
15°	2852.2	2887.0	2895.6	2904.2	2900.0	2895.8	2918.8	2942.0	2991.8	3087.3	3198.9
17.5°	3010.0	3038.2	3011.4	2984.5	2934.0	2883.3	2875.0	2866.5	2897.3	3009.6	3143.8
20°	3097.8	3110.8	3054.5	2998.2	2910.3	2822.4	2783.0	2743.5	2751.6	2882.4	3048.8
22.5°	3075.7	3067.8	2994.6	2921.4	2820.9	2720.7	2662.3	2603.9	2588.0	2736.9	2937.2
25°	2954.6	2927.6	2855.5	2783.5	2693.3	2603.1	2535.8	2468.5	2425.6	2578.2	2812.8
27.5°	2773.8	2743.8	2686.1	2628.3	2554.3	2480.1	2415.1	2350.2	2297.9	2436.8	2698.9
30°	2592.6	2568.3	2520.3	2472.3	2410.9	2349.4	2297.6	2246.1	2205.2	2321.7	2603.8
32.5°	2433.2	2406.2	2360.2	2314.2	2265.0	2215.9	2185.4	2154.9	2136.7	2230.7	2521.8
35°	2284.0	2251.5	2205.9	2160.5	2123.1	2085.7	2077.2	2068.8	2076.3	2154.7	2441.1
37.5°	2144.7	2104.5	2059.0	2013.7	1986.9	1960.0	1969.2	1978.6	2006.1	2074.6	2346.2
40°	2010.3	1964.1	1920.2	1876.5	1857.1	1837.6	1858.6	1879.6	1922.0	1984.1	2233.0
42.5°	1883.7	1833.8	1792.2	1750.7	1734.7	1718.9	1746.8	1774.7	1828.1	1885.3	2108.0
45°	1773.4	1721.7	1682.2	1642.8	1629.2	1616.0	1643.1	1670.2	1721.9	1779.9	1975.3
47.5°	1684.8	1633.6	1595.2	1556.6	1544.2	1531.6	1554.3	1577.1	1621.6	1696.4	1870.3
50°	1612.3	1566.6	1530.3	1493.8	1474.3	1454.8	1474.9	1495.1	1546.6	1645.0	1800.5
52.5°	1562.0	1519.4	1486.1	1452.7	1423.4	1394.1	1413.9	1433.9	1506.0	1619.2	1754.6
55°	1530.9	1493.5	1457.6	1421.6	1380.1	1338.4	1369.8	1401.4	1510.1	1615.4	1721.3
57.5°	1500.9	1464.0	1421.8	1379.5	1334.8	1290.0	1336.0	1381.9	1514.2	1607.0	1681.8
60°	1457.4	1419.9	1371.4	1323.0	1283.7	1244.5	1304.0	1363.6	1501.4	1562.7	1621.6
62.5°	1396.5	1356.4	1299.8	1243.2	1218.3	1193.4	1267.7	1342.2	1470.1	1477.6	1516.6
65°	1317.5	1279.2	1218.5	1157.9	1148.4	1138.9	1218.1	1297.2	1394.7	1393.7	1412.1
67.5°	1227.3	1191.0	1135.0	1079.1	1082.1	1085.1	1151.0	1216.9	1271.7	1274.3	1264.0
70°	1130.2	1098.8	1049.6	1000.4	1010.9	1021.3	1068.2	1115.0	1133.0	1133.0	1085.4
72.5°	1012.5	984.2	945.6	906.8	922.0	937.3	969.4	1001.5	1001.3	989.9	922.3
75°	877.1	851.5	822.7	793.9	808.6	823.2	848.1	872.8	877.2	824.7	748.9
77.5°	743.1	721.1	697.8	674.3	689.2	704.1	724.0	743.7	746.1	659.6	586.0
80°	595.8	577.3	557.9	538.3	550.9	563.3	580.0	596.7	597.0	493.7	431.4
82.5°	395.2	401.7	403.3	405.0	413.8	422.6	430.7	438.8	434.0	345.7	299.8
85°	217.0	234.9	243.4	251.7	261.7	271.5	280.2	288.9	282.5	217.0	183.4
87.5°	102.6	116.2	116.6	117.0	118.8	120.6	124.1	127.6	119.5	92.2	78.4
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: P963013

CATALOG NUMBER: NAV-SB2D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7	3023.7
2.5°	3095.4	3122.1	3148.8	3175.2	3201.8	3226.8	3251.7
5°	3165.8	3221.1	3276.4	3331.4	3386.3	3441.4	3496.6
7.5°	3229.1	3310.9	3392.6	3476.7	3560.7	3651.6	3742.5
10°	3280.4	3379.8	3479.2	3590.1	3701.1	3816.1	3931.1
12.5°	3308.0	3425.1	3542.4	3668.2	3793.9	3920.1	4046.5
15°	3310.5	3445.5	3580.4	3716.9	3853.3	3985.0	4116.7
17.5°	3278.1	3434.7	3591.3	3740.2	3889.1	4022.6	4156.2
20°	3215.2	3404.9	3594.8	3758.4	3922.1	4060.9	4199.6
22.5°	3137.6	3368.6	3599.5	3783.0	3966.4	4108.4	4250.2
25°	3047.5	3332.6	3617.8	3827.6	4037.3	4176.2	4315.1
27.5°	2961.0	3308.6	3656.1	3897.2	4138.2	4270.8	4403.3
30°	2885.9	3297.3	3708.6	3987.4	4266.2	4394.2	4522.2
32.5°	2812.8	3283.4	3753.8	4081.4	4409.1	4535.8	4662.6
35°	2727.6	3257.1	3787.0	4188.7	4590.4	4711.8	4833.2
37.5°	2617.8	3212.2	3806.6	4308.8	4810.8	4965.6	5120.4
40°	2481.8	3150.4	3819.2	4461.2	5103.2	5328.8	5554.3
42.5°	2330.7	3086.6	3842.6	4660.7	5478.6	5804.3	6129.8
45°	2170.6	3027.3	3884.0	4923.1	5962.1	6401.3	6840.5
47.5°	2044.2	2978.3	3912.5	5202.8	6493.0	7111.2	7729.3
50°	1956.0	2924.9	3894.0	5462.2	7030.5	7962.4	8894.2
52.5°	1890.1	2834.8	3779.7	5630.6	7481.6	8856.5	10231.4
55°	1827.3	2685.4	3543.5	5593.5	7643.4	9649.2	11655.2
57.5°	1756.6	2474.7	3192.6	5332.3	7472.0	10211.0	12950.1
60°	1680.4	2201.1	2721.8	4846.0	6970.1	10351.5	13732.6
62.5°	1555.7	1873.6	2191.6	4188.5	6185.3	9760.3	13335.2
65°	1430.6	1579.0	1727.4	3517.5	5307.8	8923.9	12539.8
67.5°	1253.7	1295.9	1338.0	2860.4	4382.7	7928.4	11474.2
70°	1037.5	1025.6	1013.5	2252.1	3490.7	6842.3	10193.7
72.5°	854.5	818.2	781.8	1721.8	2661.7	5664.8	8667.9
75°	673.0	640.0	607.1	1249.7	1892.3	4315.0	6737.8
77.5°	512.3	489.7	467.4	846.8	1226.2	3020.2	4814.0
80°	369.0	359.7	350.4	545.6	740.9	1945.9	3150.7
82.5°	253.9	252.0	250.4	335.6	421.0	1126.2	1831.6
85°	149.6	150.6	151.4	179.4	207.5	506.6	805.9
87.5°	64.8	65.6	66.3	74.4	82.4	165.9	249.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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