

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: P967787

Luminaire Tested: **NAV-SB5A-750-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P967787
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-SB5A-750-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24484.2 lumens
Efficiency: N/A
Efficacy: 172.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 141.7
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



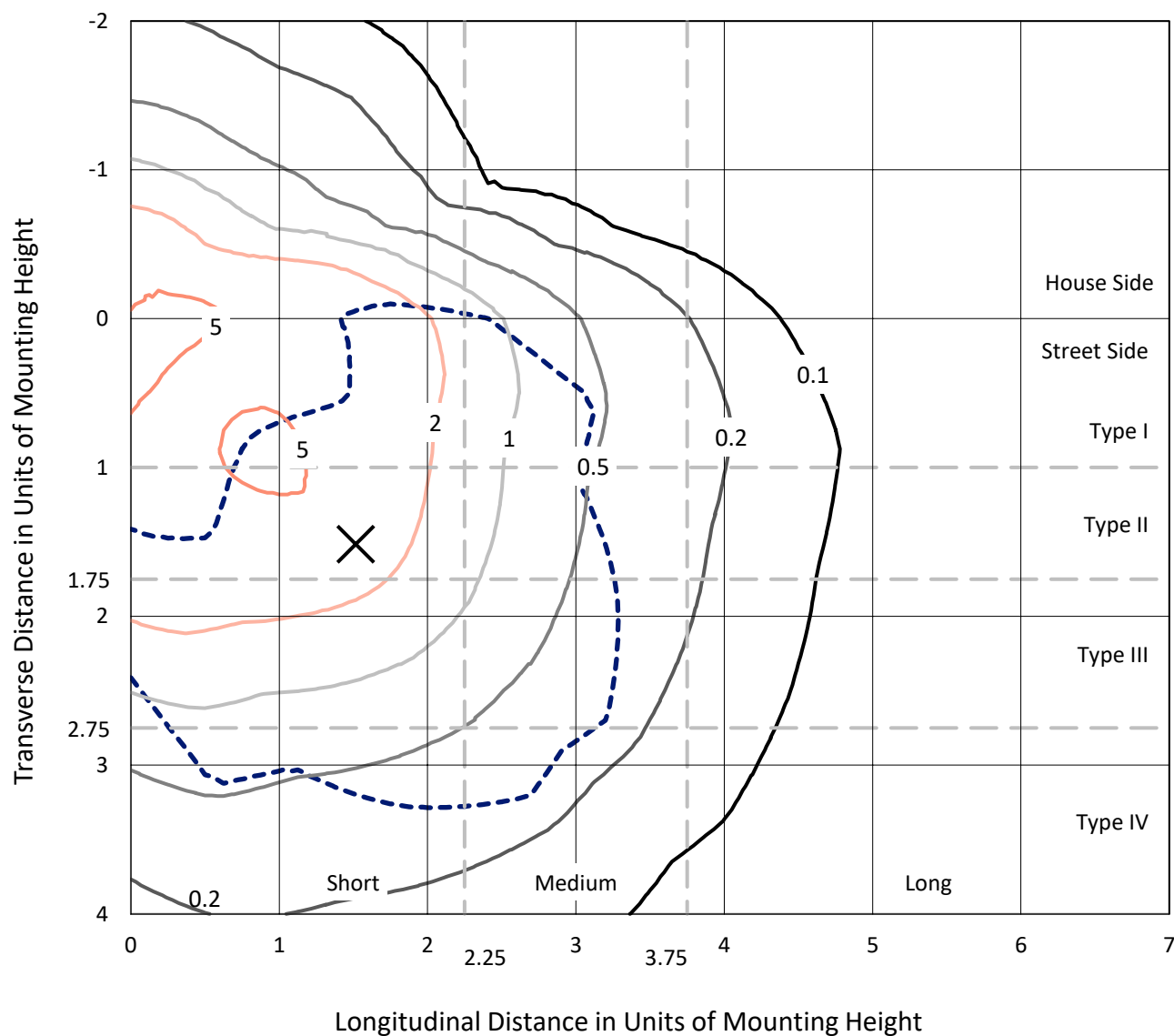
REPORT NUMBER: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

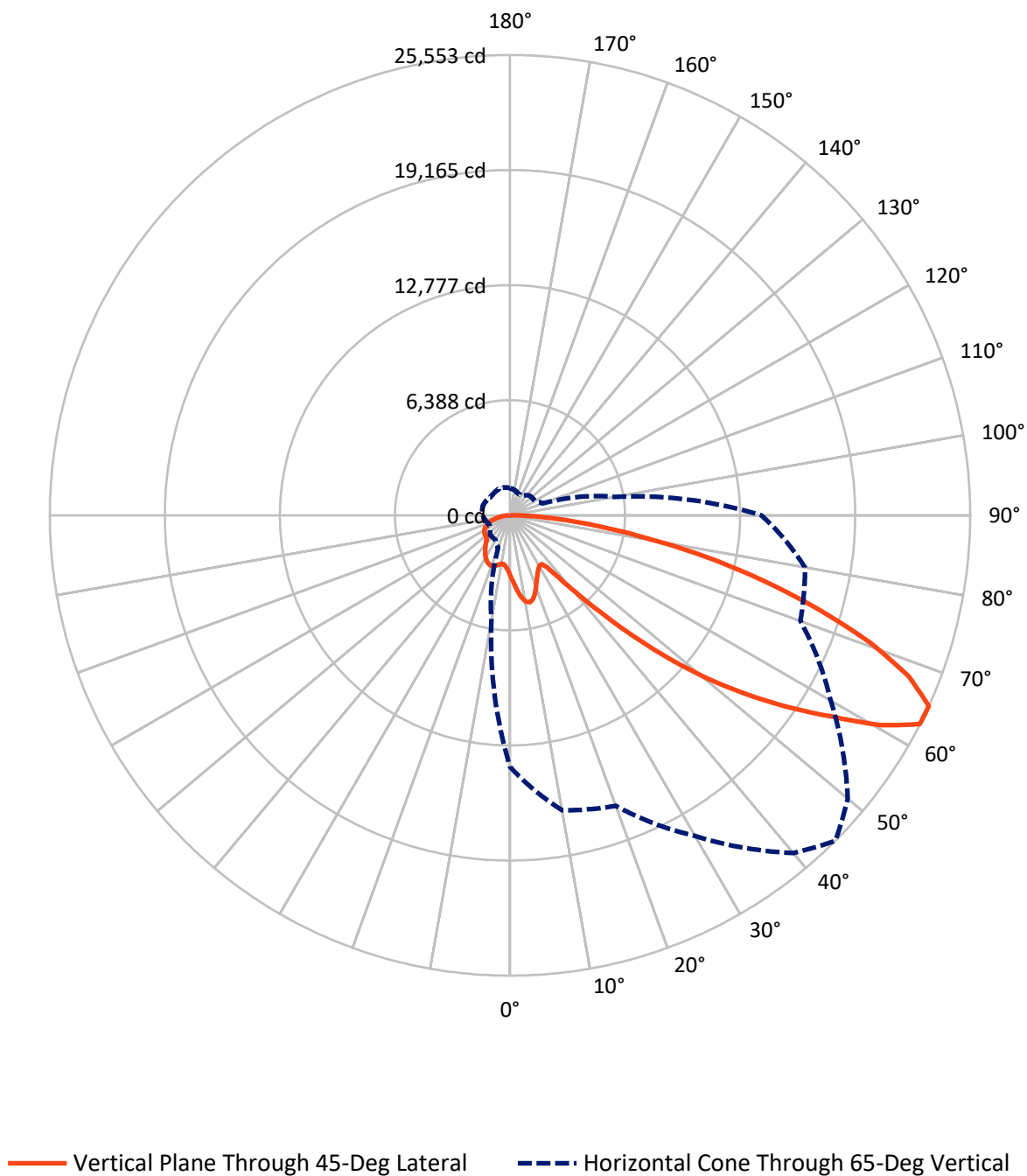


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc

Type IV - Short - N/A

REPORT NUMBER: P967787
CATALOG NUMBER: NAV-SB5A-750-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

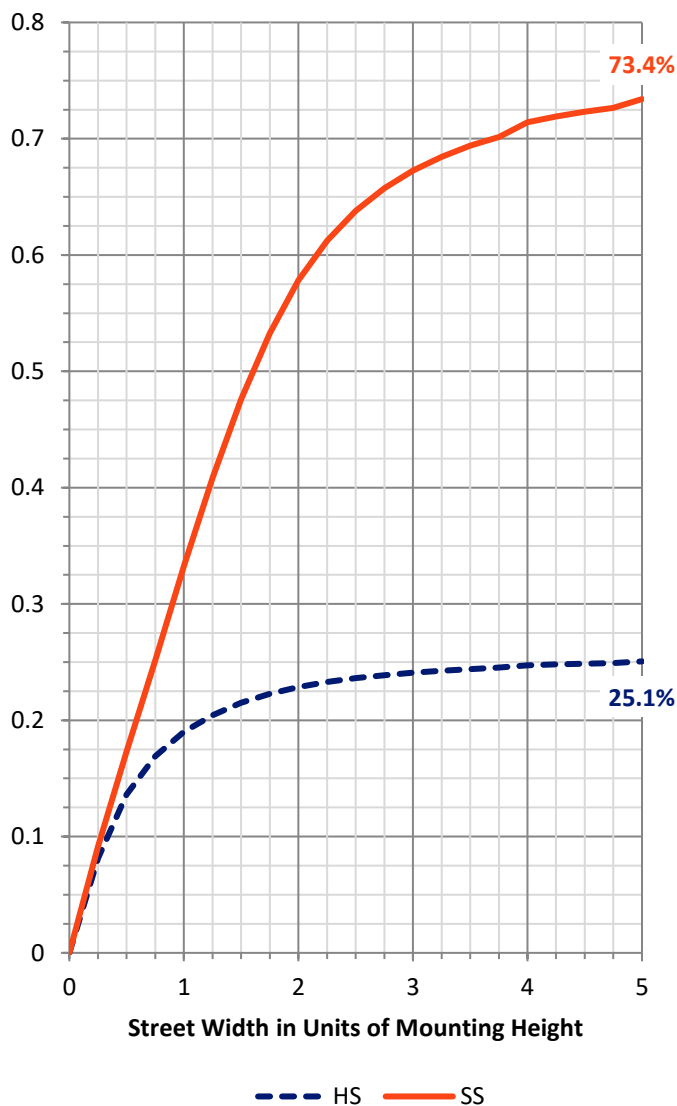
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6222.6	0.0	6222.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18261.5	0.0	18261.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	24484.2	0.0	24484.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.0	1.4
10°-20°	1048.4	4.3
20°-30°	1619.5	6.6
30°-40°	2052.3	8.4
40°-50°	3095.4	12.6
50°-60°	5001.0	20.4
60°-70°	6234.6	25.5
70°-80°	4088.3	16.7
80°-90°	1010.7	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°	24484.2	100.0
0°-180°	24484.2	100.0

Coefficient of Utilization



REPORT NUMBER: P967787

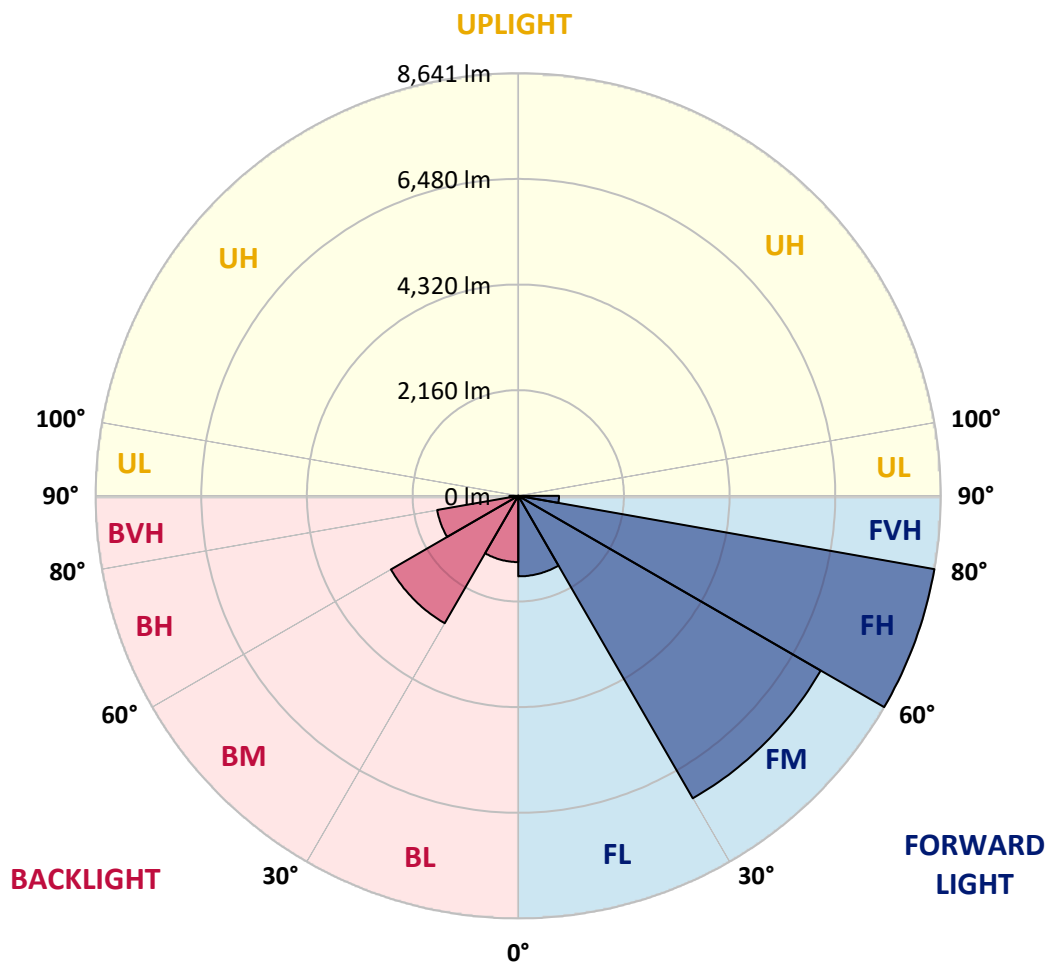
CATALOG NUMBER: NAV-SB5A-750-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1646.8	6.7			
FM	(30°-60°)	7141.5	29.2			
FH	(60°-80°)	8640.6	35.3			G4/12000
FVH	(80°-90°)	832.6	3.4			G5
BL	(0°-30°)	1355.1	5.5	B3/2500		
BM	(30°-60°)	3007.2	12.3	B3/5000		
BH	(60°-80°)	1682.3	6.9	B3/2500		G3/2500
BVH	(80°-90°)	178.1	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-G5

Type IV Short



REPORT NUMBER: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3620.6	3634.3	3648.2	3667.7	3687.2	3698.8	3710.4	3716.2	3722.1	3719.5	3722.1
5°	3893.3	3941.2	3989.2	4036.8	4084.4	4110.2	4136.2	4151.8	4167.5	4179.4	4167.5
7.5°	4167.1	4245.1	4323.0	4393.3	4463.4	4505.6	4547.8	4570.8	4593.4	4604.5	4593.4
10°	4377.1	4469.3	4561.6	4643.9	4726.2	4776.0	4825.6	4847.8	4870.0	4878.4	4870.0
12.5°	4505.6	4605.6	4705.5	4779.9	4854.1	4890.3	4926.5	4938.6	4950.6	4952.0	4950.6
15°	4583.8	4670.1	4756.3	4802.9	4849.7	4850.9	4852.2	4839.3	4826.4	4811.1	4826.4
17.5°	4627.7	4686.0	4744.2	4745.1	4746.0	4693.6	4641.3	4593.3	4545.3	4511.4	4545.3
20°	4676.2	4696.4	4716.8	4655.4	4594.2	4478.6	4363.1	4279.1	4194.9	4143.3	4194.9
22.5°	4732.3	4705.8	4679.1	4552.0	4424.9	4255.0	4085.1	3980.0	3874.8	3817.7	3874.8
25°	4804.7	4720.7	4636.8	4443.8	4250.8	4044.4	3838.1	3727.5	3617.1	3563.2	3617.1
27.5°	4902.9	4752.8	4602.6	4346.8	4091.3	3862.6	3633.9	3525.2	3416.5	3365.5	3416.5
30°	5035.3	4811.5	4587.7	4272.9	3958.2	3720.0	3481.7	3380.9	3280.0	3232.4	3280.0
32.5°	5191.6	4885.0	4578.6	4222.6	3866.5	3642.6	3418.7	3339.6	3260.2	3226.0	3260.2
35°	5381.6	5006.4	4631.4	4260.3	3889.4	3733.9	3578.4	3559.9	3541.5	3538.6	3541.5
37.5°	5701.4	5260.0	4818.6	4481.5	4144.3	4134.2	4124.1	4208.6	4293.1	4337.0	4293.1
40°	6184.5	5704.5	5224.6	4973.8	4723.1	4900.0	5077.0	5282.4	5487.8	5590.2	5487.8
42.5°	6825.3	6349.1	5872.8	5728.4	5584.0	5970.0	6356.0	6729.7	7103.4	7322.7	7103.4
45°	7616.6	7188.8	6761.0	6697.2	6633.5	7251.9	7870.5	8484.4	9098.4	9471.2	9098.4
47.5°	8606.2	8190.1	7773.8	7760.9	7748.0	8640.2	9532.2	10430.9	11329.6	11857.4	11329.6
50°	9903.3	9389.3	8875.4	8877.5	8879.8	10029.5	11179.4	12365.8	13552.1	14269.4	13552.1
52.5°	11392.3	10769.9	10147.5	10084.6	10021.5	11395.0	12768.4	14236.3	15704.1	16563.9	15704.1
55°	12977.5	12362.5	11747.5	11502.2	11256.9	12785.5	14314.0	16063.9	17813.9	18836.4	17813.9
57.5°	14419.3	14084.4	13749.5	13257.4	12765.3	14308.8	15852.3	17834.4	19816.3	21084.4	19816.3
60°	15290.7	15810.8	16331.1	15720.0	15108.9	16569.6	18030.3	20152.4	22274.5	23645.0	22274.5
62.5°	14848.3	16269.5	17690.8	17621.9	17552.9	18891.0	20229.1	22248.1	24267.1	25533.8	24267.1
65°	13962.6	15296.5	16630.4	16894.4	17158.2	18858.7	20559.2	22517.0	24474.6	25553.2	24474.6
67.5°	12775.9	14044.7	15313.3	15437.1	15560.7	17332.4	19104.2	21070.3	23036.5	23881.5	23036.5
70°	11350.3	12730.2	14110.3	14165.6	14221.0	15805.4	17389.7	19081.8	20773.7	21243.3	20773.7
72.5°	9651.4	11234.9	12818.5	12858.4	12898.1	14137.6	15377.3	16644.6	17911.7	17959.2	17911.7
75°	7502.3	9141.3	10780.1	10927.3	11074.5	12038.9	13003.4	13895.4	14787.5	14548.4	14787.5
77.5°	5360.2	6890.2	8420.2	8630.8	8841.3	9574.5	10307.7	10940.3	11573.2	11162.4	11573.2
80°	3508.3	4795.4	6082.5	6344.1	6605.9	7159.6	7713.1	8045.4	8377.5	7716.7	8377.5
82.5°	2039.3	2919.3	3799.4	4091.7	4384.2	4765.3	5146.4	5285.0	5423.6	4904.2	5423.6
85°	897.3	1364.3	1831.4	2080.0	2328.7	2641.8	2954.9	3033.6	3112.3	2696.3	3112.3
87.5°	277.8	434.7	591.7	730.4	869.2	1025.8	1182.3	1189.1	1195.7	1003.9	1195.7
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3716.2	3710.4	3698.8	3687.2	3667.7	3648.2	3634.3	3620.6	3592.8	3565.1	3535.5
5°	4151.8	4136.2	4110.2	4084.4	4036.8	3989.2	3941.2	3893.3	3831.9	3770.6	3709.3
7.5°	4570.8	4547.8	4505.6	4463.4	4393.3	4323.0	4245.1	4167.1	4065.9	3964.7	3871.1
10°	4847.8	4825.6	4776.0	4726.2	4643.9	4561.6	4469.3	4377.1	4249.0	4121.0	3997.4
12.5°	4938.6	4926.5	4890.3	4854.1	4779.9	4705.5	4605.6	4505.6	4365.0	4224.3	4084.3
15°	4839.3	4852.2	4850.9	4849.7	4802.9	4756.3	4670.1	4583.8	4437.1	4290.5	4138.5
17.5°	4593.3	4641.3	4693.6	4746.0	4745.1	4744.2	4686.0	4627.7	4479.0	4330.3	4164.6
20°	4279.1	4363.1	4478.6	4594.2	4655.4	4716.8	4696.4	4676.2	4521.7	4367.0	4184.9
22.5°	3980.0	4085.1	4255.0	4424.9	4552.0	4679.1	4705.8	4732.3	4574.5	4416.5	4212.2
25°	3727.5	3838.1	4044.4	4250.8	4443.8	4636.8	4720.7	4804.7	4649.9	4495.2	4261.8
27.5°	3525.2	3633.9	3862.6	4091.3	4346.8	4602.6	4752.8	4902.9	4755.4	4607.7	4339.3
30°	3380.9	3481.7	3720.0	3958.2	4272.9	4587.7	4811.5	5035.3	4892.7	4750.2	4439.8
32.5°	3339.6	3418.7	3642.6	3866.5	4222.6	4578.6	4885.0	5191.6	5050.5	4909.3	4544.5
35°	3559.9	3578.4	3733.9	3889.4	4260.3	4631.4	5006.4	5381.6	5246.5	5111.2	4663.9
37.5°	4208.6	4124.1	4134.2	4144.3	4481.5	4818.6	5260.0	5701.4	5529.0	5356.6	4797.6
40°	5282.4	5077.0	4900.0	4723.1	4973.8	5224.6	5704.5	6184.5	5933.3	5682.2	4967.4
42.5°	6729.7	6356.0	5970.0	5584.0	5728.4	5872.8	6349.1	6825.3	6462.8	6100.3	5189.5
45°	8484.4	7870.5	7251.9	6633.5	6697.2	6761.0	7188.8	7616.6	7127.6	6638.6	5481.7
47.5°	10430.9	9532.2	8640.2	7748.0	7760.9	7773.8	8190.1	8606.2	7918.0	7229.6	5793.0
50°	12365.8	11179.4	10029.5	8879.8	8877.5	8875.4	9389.3	9903.3	8865.7	7828.1	6081.9
52.5°	14236.3	12768.4	11395.0	10021.5	10084.6	10147.5	10769.9	11392.3	9861.3	8330.4	6269.5
55°	16063.9	14314.0	12785.5	11256.9	11502.2	11747.5	12362.5	12977.5	10743.9	8510.7	6228.2
57.5°	17834.4	15852.3	14308.8	12765.3	13257.4	13749.5	14084.4	14419.3	11369.5	8319.8	5937.2
60°	20152.4	18030.3	16569.6	15108.9	15720.0	16331.1	15810.8	15290.7	11525.9	7760.9	5395.8
62.5°	22248.1	20229.1	18891.0	17552.9	17621.9	17690.8	16269.5	14848.3	10867.7	6887.1	4663.6
65°	22517.0	20559.2	18858.7	17158.2	16894.4	16630.4	15296.5	13962.6	9936.2	5909.9	3916.6
67.5°	21070.3	19104.2	17332.4	15560.7	15437.1	15313.3	14044.7	12775.9	8827.9	4879.9	3184.9
70°	19081.8	17389.7	15805.4	14221.0	14165.6	14110.3	12730.2	11350.3	7618.5	3886.8	2507.7
72.5°	16644.6	15377.3	14137.6	12898.1	12858.4	12818.5	11234.9	9651.4	6307.4	2963.7	1917.1
75°	13895.4	13003.4	12038.9	11074.5	10927.3	10780.1	9141.3	7502.3	4804.6	2106.9	1391.4
77.5°	10940.3	10307.7	9574.5	8841.3	8630.8	8420.2	6890.2	5360.2	3362.8	1365.3	942.9
80°	8045.4	7713.1	7159.6	6605.9	6344.1	6082.5	4795.4	3508.3	2166.5	824.9	607.5
82.5°	5285.0	5146.4	4765.3	4384.2	4091.7	3799.4	2919.3	2039.3	1254.0	468.7	373.6
85°	3033.6	2954.9	2641.8	2328.7	2080.0	1831.4	1364.3	897.3	564.1	231.0	199.8
87.5°	1189.1	1182.3	1025.8	869.2	730.4	591.7	434.7	277.8	184.7	91.7	82.8
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3506.0	3476.4	3446.7	3418.2	3389.8	3362.3	3331.7	3306.9	3282.2	3259.8	3237.6
5°	3648.2	3586.6	3525.1	3467.6	3410.1	3355.8	3302.1	3255.4	3208.6	3169.2	3130.1
7.5°	3777.6	3686.5	3595.5	3515.2	3435.0	3361.0	3291.6	3229.4	3167.1	3115.5	3063.8
10°	3873.9	3763.3	3652.6	3557.8	3462.7	3371.3	3296.8	3231.1	3165.5	3113.8	3062.2
12.5°	3944.3	3813.8	3683.3	3575.9	3468.6	3372.6	3303.3	3249.5	3196.0	3161.6	3127.5
15°	3986.6	3836.4	3686.1	3561.9	3437.5	3331.2	3275.7	3250.0	3224.4	3229.1	3233.7
17.5°	3998.8	3824.4	3650.0	3500.5	3351.0	3226.0	3191.7	3201.2	3210.5	3266.8	3323.2
20°	4002.6	3791.3	3579.9	3394.7	3209.4	3063.8	3054.8	3098.7	3142.6	3240.4	3338.3
22.5°	4007.9	3750.8	3493.6	3270.6	3047.4	2881.7	2899.3	2964.3	3029.3	3140.9	3252.8
25°	4028.2	3710.7	3393.3	3131.9	2870.7	2700.8	2748.6	2823.6	2898.5	2998.8	3099.4
27.5°	4070.9	3684.0	3297.0	3005.2	2713.3	2558.7	2616.8	2689.2	2761.6	2844.1	2926.5
30°	4129.3	3671.4	3213.3	2899.2	2585.2	2455.3	2500.9	2558.3	2615.9	2684.4	2752.8
32.5°	4179.6	3656.0	3131.9	2807.9	2483.8	2379.1	2399.4	2433.4	2467.4	2522.0	2576.7
35°	4216.6	3626.8	3037.1	2718.1	2399.1	2311.9	2303.5	2312.8	2322.2	2364.0	2405.6
37.5°	4238.6	3576.7	2914.9	2612.4	2309.9	2233.8	2203.0	2192.7	2182.3	2212.4	2242.2
40°	4252.4	3507.9	2763.4	2486.3	2209.2	2140.1	2092.9	2069.6	2046.2	2067.7	2089.4
42.5°	4278.7	3436.8	2595.2	2347.1	2099.1	2035.4	1976.0	1945.0	1914.0	1931.6	1949.2
45°	4324.8	3370.8	2417.0	2199.3	1981.8	1917.3	1859.8	1829.5	1799.4	1814.1	1829.1
47.5°	4356.5	3316.3	2276.1	2082.5	1888.8	1805.4	1756.0	1730.7	1705.4	1719.3	1733.2
50°	4335.8	3256.8	2177.9	2004.8	1831.7	1722.1	1664.7	1642.2	1619.8	1641.5	1663.4
52.5°	4208.4	3156.5	2104.5	1953.6	1802.9	1676.9	1596.5	1574.4	1552.3	1585.0	1617.6
55°	3945.5	2990.0	2034.5	1916.5	1798.7	1681.4	1560.4	1525.3	1490.2	1536.6	1582.9
57.5°	3554.8	2755.4	1956.0	1872.7	1789.3	1686.0	1538.7	1487.6	1436.3	1486.2	1536.1
60°	3030.6	2450.8	1870.9	1805.4	1739.9	1671.8	1518.3	1452.0	1385.6	1429.4	1473.0
62.5°	2440.2	2086.2	1732.2	1688.7	1645.3	1636.9	1494.6	1411.5	1328.7	1356.5	1384.3
65°	1923.4	1758.2	1593.0	1572.5	1551.8	1552.9	1444.4	1356.3	1268.0	1278.8	1289.3
67.5°	1489.8	1443.0	1395.9	1407.4	1418.8	1415.9	1354.9	1281.6	1208.2	1204.9	1201.5
70°	1128.5	1142.0	1155.3	1208.5	1261.6	1261.6	1241.6	1189.3	1137.1	1125.6	1113.9
72.5°	870.5	910.9	951.5	1026.9	1102.3	1114.9	1115.2	1079.4	1043.7	1026.5	1009.6
75°	676.0	712.7	749.3	833.8	918.3	976.7	971.8	944.2	916.7	900.4	884.0
77.5°	520.4	545.3	570.4	652.4	734.5	830.8	828.1	806.1	783.9	767.4	750.9
80°	390.1	400.5	410.8	480.3	549.7	664.7	664.3	645.9	627.2	613.4	599.4
82.5°	278.8	280.6	282.7	333.8	385.0	483.2	488.6	479.6	470.5	460.7	450.9
85°	168.6	167.7	166.7	204.1	241.6	314.6	321.6	312.0	302.3	291.3	280.3
87.5°	73.9	73.0	72.1	87.3	102.7	133.0	142.1	138.3	134.4	132.3	130.3
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3218.1	3198.6	3178.9	3159.5	3144.3	3129.0	3116.8	3104.5	3095.0	3085.4	3076.6
5°	3095.5	3060.9	3029.5	2997.9	2973.7	2949.5	2932.5	2915.6	2903.6	2891.6	2882.4
7.5°	3020.3	2976.6	2938.2	2899.7	2870.9	2842.2	2822.1	2801.9	2788.1	2774.5	2766.2
10°	3015.2	2968.2	2924.9	2881.7	2847.3	2812.8	2790.4	2767.6	2754.6	2741.5	2734.5
12.5°	3090.6	3053.9	3009.1	2964.3	2920.4	2876.5	2847.4	2818.3	2803.8	2789.3	2783.4
15°	3224.1	3214.6	3175.8	3136.8	3074.3	3011.8	2967.6	2923.4	2903.1	2882.9	2875.2
17.5°	3353.1	3382.9	3351.5	3320.3	3237.5	3154.6	3089.6	3024.5	2994.4	2964.3	2954.6
20°	3401.1	3463.7	3449.2	3434.6	3340.0	3245.4	3165.5	3085.8	3047.4	3008.9	2996.7
22.5°	3334.3	3415.9	3424.6	3433.3	3342.9	3252.4	3170.3	3088.0	3047.5	3006.9	2993.4
25°	3179.5	3259.8	3289.7	3319.7	3245.5	3171.5	3098.4	3025.5	2990.3	2955.3	2942.5
27.5°	2990.8	3055.2	3088.5	3121.9	3069.2	3016.4	2959.7	2903.0	2879.4	2855.9	2850.0
30°	2806.2	2859.7	2886.8	2914.0	2873.8	2833.5	2792.9	2752.1	2740.0	2727.9	2727.9
32.5°	2627.9	2679.2	2709.3	2739.5	2702.6	2665.5	2633.1	2600.6	2592.7	2584.9	2586.0
35°	2456.2	2507.0	2543.1	2579.3	2553.0	2526.7	2496.8	2467.0	2455.0	2443.1	2440.4
37.5°	2292.7	2343.4	2388.0	2432.7	2420.5	2408.4	2380.9	2353.3	2331.5	2309.7	2298.3
40°	2138.1	2186.9	2238.4	2290.0	2292.9	2295.8	2272.4	2249.0	2217.2	2185.7	2164.3
42.5°	1995.6	2041.9	2097.5	2153.0	2167.9	2182.7	2163.0	2143.3	2103.9	2064.6	2033.4
45°	1873.1	1917.0	1974.6	2032.2	2053.5	2074.8	2057.0	2039.3	1994.2	1949.2	1912.8
47.5°	1776.1	1819.1	1875.9	1932.7	1957.2	1981.8	1969.4	1957.0	1917.0	1876.9	1843.1
50°	1704.0	1744.3	1795.3	1846.1	1877.7	1909.3	1908.4	1907.9	1875.9	1843.9	1812.6
52.5°	1654.8	1691.8	1739.2	1786.8	1824.1	1861.4	1868.2	1874.8	1848.8	1822.7	1794.7
55°	1622.9	1663.0	1704.6	1746.1	1785.6	1825.2	1834.5	1843.9	1821.1	1798.4	1773.9
57.5°	1583.1	1630.2	1671.3	1712.5	1752.3	1792.2	1801.6	1811.1	1788.0	1765.0	1740.8
60°	1527.0	1581.1	1622.8	1664.7	1704.7	1744.8	1755.1	1765.5	1742.9	1720.6	1695.6
62.5°	1447.2	1510.2	1554.8	1599.4	1636.1	1672.8	1682.7	1692.7	1672.4	1652.1	1625.8
65°	1356.8	1424.3	1467.0	1509.6	1541.9	1574.2	1584.4	1594.5	1575.0	1555.5	1529.9
67.5°	1263.7	1326.1	1366.6	1406.9	1434.8	1462.8	1472.7	1482.5	1464.5	1446.7	1422.9
70°	1168.7	1223.4	1258.4	1293.2	1318.5	1343.6	1353.2	1362.7	1348.2	1333.5	1310.8
72.5°	1052.8	1095.8	1127.3	1158.9	1183.6	1208.2	1219.5	1230.9	1218.8	1206.6	1185.0
75°	915.9	948.0	976.6	1005.1	1027.6	1050.1	1062.0	1073.9	1067.9	1062.0	1043.8
77.5°	776.9	803.0	827.5	852.1	875.7	899.2	910.3	921.4	913.2	904.6	886.3
80°	621.2	642.8	663.4	684.1	702.0	719.9	734.6	749.3	745.7	742.2	717.5
82.5°	449.1	447.3	440.0	432.8	471.1	509.3	534.3	559.4	557.9	556.2	535.4
85°	271.0	261.6	241.6	221.6	257.4	293.3	324.3	355.3	352.7	350.1	333.8
87.5°	129.9	129.5	114.2	98.8	113.8	128.9	141.4	154.0	150.9	147.5	139.3
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3067.7	3056.8	3067.7	3076.6	3085.4	3095.0	3104.5	3116.8	3129.0	3144.3	3159.5
5°	2873.3	2864.3	2873.3	2882.4	2891.6	2903.6	2915.6	2932.5	2949.5	2973.7	2997.9
7.5°	2758.1	2751.8	2758.1	2766.2	2774.5	2788.1	2801.9	2822.1	2842.2	2870.9	2899.7
10°	2727.5	2724.7	2727.5	2734.5	2741.5	2754.6	2767.6	2790.4	2812.8	2847.3	2881.7
12.5°	2777.4	2776.4	2777.4	2783.4	2789.3	2803.8	2818.3	2847.4	2876.5	2920.4	2964.3
15°	2867.4	2866.8	2867.4	2875.2	2882.9	2903.1	2923.4	2967.6	3011.8	3074.3	3136.8
17.5°	2944.6	2943.0	2944.6	2954.6	2964.3	2994.4	3024.5	3089.6	3154.6	3237.5	3320.3
20°	2984.4	2980.5	2984.4	2996.7	3008.9	3047.4	3085.8	3165.5	3245.4	3340.0	3434.6
22.5°	2979.9	2974.0	2979.9	2993.4	3006.9	3047.5	3088.0	3170.3	3252.4	3342.9	3433.3
25°	2929.9	2922.4	2929.9	2942.5	2955.3	2990.3	3025.5	3098.4	3171.5	3245.5	3319.7
27.5°	2844.2	2842.2	2844.2	2850.0	2855.9	2879.4	2903.0	2959.7	3016.4	3069.2	3121.9
30°	2727.9	2729.9	2727.9	2727.9	2727.9	2740.0	2752.1	2792.9	2833.5	2873.8	2914.0
32.5°	2587.1	2589.0	2587.1	2586.0	2584.9	2592.7	2600.6	2633.1	2665.5	2702.6	2739.5
35°	2437.9	2436.6	2437.9	2440.4	2443.1	2455.0	2467.0	2496.8	2526.7	2553.0	2579.3
37.5°	2286.8	2280.3	2286.8	2298.3	2309.7	2331.5	2353.3	2380.9	2408.4	2420.5	2432.7
40°	2143.1	2130.4	2143.1	2164.3	2185.7	2217.2	2249.0	2272.4	2295.8	2292.9	2290.0
42.5°	2002.2	1981.8	2002.2	2033.4	2064.6	2103.9	2143.3	2163.0	2182.7	2167.9	2153.0
45°	1876.2	1852.6	1876.2	1912.8	1949.2	1994.2	2039.3	2057.0	2074.8	2053.5	2032.2
47.5°	1809.3	1786.8	1809.3	1843.1	1876.9	1917.0	1957.0	1969.4	1981.8	1957.2	1932.7
50°	1781.3	1759.6	1781.3	1812.6	1843.9	1875.9	1907.9	1908.4	1909.3	1877.7	1846.1
52.5°	1766.7	1746.7	1766.7	1794.7	1822.7	1848.8	1874.8	1868.2	1861.4	1824.1	1786.8
55°	1749.3	1731.2	1749.3	1773.9	1798.4	1821.1	1843.9	1834.5	1825.2	1785.6	1746.1
57.5°	1716.4	1697.6	1716.4	1740.8	1765.0	1788.0	1811.1	1801.6	1792.2	1752.3	1712.5
60°	1670.4	1651.1	1670.4	1695.6	1720.6	1742.9	1765.5	1755.1	1744.8	1704.7	1664.7
62.5°	1599.4	1576.1	1599.4	1625.8	1652.1	1672.4	1692.7	1682.7	1672.8	1636.1	1599.4
65°	1504.5	1484.4	1504.5	1529.9	1555.5	1575.0	1594.5	1584.4	1574.2	1541.9	1509.6
67.5°	1399.1	1381.1	1399.1	1422.9	1446.7	1464.5	1482.5	1472.7	1462.8	1434.8	1406.9
70°	1288.0	1267.4	1288.0	1310.8	1333.5	1348.2	1362.7	1353.2	1343.6	1318.5	1293.2
72.5°	1163.4	1143.4	1163.4	1185.0	1206.6	1218.8	1230.9	1219.5	1208.2	1183.6	1158.9
75°	1025.5	1006.4	1025.5	1043.8	1062.0	1067.9	1073.9	1062.0	1050.1	1027.6	1005.1
77.5°	868.0	852.7	868.0	886.3	904.6	913.2	921.4	910.3	899.2	875.7	852.1
80°	692.7	664.1	692.7	717.5	742.2	745.7	749.3	734.6	719.9	702.0	684.1
82.5°	514.4	496.1	514.4	535.4	556.2	557.9	559.4	534.3	509.3	471.1	432.8
85°	317.5	301.0	317.5	333.8	350.1	352.7	355.3	324.3	293.3	257.4	221.6
87.5°	130.8	122.7	130.8	139.3	147.5	150.9	154.0	141.4	128.9	113.8	98.8
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3178.9	3198.6	3218.1	3237.6	3259.8	3282.2	3306.9	3331.7	3362.3	3389.8	3418.2
5°	3029.5	3060.9	3095.5	3130.1	3169.2	3208.6	3255.4	3302.1	3355.8	3410.1	3467.6
7.5°	2938.2	2976.6	3020.3	3063.8	3115.5	3167.1	3229.4	3291.6	3361.0	3435.0	3515.2
10°	2924.9	2968.2	3015.2	3062.2	3113.8	3165.5	3231.1	3296.8	3371.3	3462.7	3557.8
12.5°	3009.1	3053.9	3090.6	3127.5	3161.6	3196.0	3249.5	3303.3	3372.6	3468.6	3575.9
15°	3175.8	3214.6	3224.1	3233.7	3229.1	3224.4	3250.0	3275.7	3331.2	3437.5	3561.9
17.5°	3351.5	3382.9	3353.1	3323.2	3266.8	3210.5	3201.2	3191.7	3226.0	3351.0	3500.5
20°	3449.2	3463.7	3401.1	3338.3	3240.4	3142.6	3098.7	3054.8	3063.8	3209.4	3394.7
22.5°	3424.6	3415.9	3334.3	3252.8	3140.9	3029.3	2964.3	2899.3	2881.7	3047.4	3270.6
25°	3289.7	3259.8	3179.5	3099.4	2998.8	2898.5	2823.6	2748.6	2700.8	2870.7	3131.9
27.5°	3088.5	3055.2	2990.8	2926.5	2844.1	2761.6	2689.2	2616.8	2558.7	2713.3	3005.2
30°	2886.8	2859.7	2806.2	2752.8	2684.4	2615.9	2558.3	2500.9	2455.3	2585.2	2899.2
32.5°	2709.3	2679.2	2627.9	2576.7	2522.0	2467.4	2433.4	2399.4	2379.1	2483.8	2807.9
35°	2543.1	2507.0	2456.2	2405.6	2364.0	2322.2	2312.8	2303.5	2311.9	2399.1	2718.1
37.5°	2388.0	2343.4	2292.7	2242.2	2212.4	2182.3	2192.7	2203.0	2233.8	2309.9	2612.4
40°	2238.4	2186.9	2138.1	2089.4	2067.7	2046.2	2069.6	2092.9	2140.1	2209.2	2486.3
42.5°	2097.5	2041.9	1995.6	1949.2	1931.6	1914.0	1945.0	1976.0	2035.4	2099.1	2347.1
45°	1974.6	1917.0	1873.1	1829.1	1814.1	1799.4	1829.5	1859.8	1917.3	1981.8	2199.3
47.5°	1875.9	1819.1	1776.1	1733.2	1719.3	1705.4	1730.7	1756.0	1805.4	1888.8	2082.5
50°	1795.3	1744.3	1704.0	1663.4	1641.5	1619.8	1642.2	1664.7	1722.1	1831.7	2004.8
52.5°	1739.2	1691.8	1654.8	1617.6	1585.0	1552.3	1574.4	1596.5	1676.9	1802.9	1953.6
55°	1704.6	1663.0	1622.9	1582.9	1536.6	1490.2	1525.3	1560.4	1681.4	1798.7	1916.5
57.5°	1671.3	1630.2	1583.1	1536.1	1486.2	1436.3	1487.6	1538.7	1686.0	1789.3	1872.7
60°	1622.8	1581.1	1527.0	1473.0	1429.4	1385.6	1452.0	1518.3	1671.8	1739.9	1805.4
62.5°	1554.8	1510.2	1447.2	1384.3	1356.5	1328.7	1411.5	1494.6	1636.9	1645.3	1688.7
65°	1467.0	1424.3	1356.8	1289.3	1278.8	1268.0	1356.3	1444.4	1552.9	1551.8	1572.5
67.5°	1366.6	1326.1	1263.7	1201.5	1204.9	1208.2	1281.6	1354.9	1415.9	1418.8	1407.4
70°	1258.4	1223.4	1168.7	1113.9	1125.6	1137.1	1189.3	1241.6	1261.6	1261.6	1208.5
72.5°	1127.3	1095.8	1052.8	1009.6	1026.5	1043.7	1079.4	1115.2	1114.9	1102.3	1026.9
75°	976.6	948.0	915.9	884.0	900.4	916.7	944.2	971.8	976.7	918.3	833.8
77.5°	827.5	803.0	776.9	750.9	767.4	783.9	806.1	828.1	830.8	734.5	652.4
80°	663.4	642.8	621.2	599.4	613.4	627.2	645.9	664.3	664.7	549.7	480.3
82.5°	440.0	447.3	449.1	450.9	460.7	470.5	479.6	488.6	483.2	385.0	333.8
85°	241.6	261.6	271.0	280.3	291.3	302.3	312.0	321.6	314.6	241.6	204.1
87.5°	114.2	129.5	129.9	130.3	132.3	134.4	138.3	142.1	133.0	102.7	87.3
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: P967787

CATALOG NUMBER: NAV-SB5A-750-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8	3366.8
2.5°	3446.7	3476.4	3506.0	3535.5	3565.1	3592.8	3620.6
5°	3525.1	3586.6	3648.2	3709.3	3770.6	3831.9	3893.3
7.5°	3595.5	3686.5	3777.6	3871.1	3964.7	4065.9	4167.1
10°	3652.6	3763.3	3873.9	3997.4	4121.0	4249.0	4377.1
12.5°	3683.3	3813.8	3944.3	4084.3	4224.3	4365.0	4505.6
15°	3686.1	3836.4	3986.6	4138.5	4290.5	4437.1	4583.8
17.5°	3650.0	3824.4	3998.8	4164.6	4330.3	4479.0	4627.7
20°	3579.9	3791.3	4002.6	4184.9	4367.0	4521.7	4676.2
22.5°	3493.6	3750.8	4007.9	4212.2	4416.5	4574.5	4732.3
25°	3393.3	3710.7	4028.2	4261.8	4495.2	4649.9	4804.7
27.5°	3297.0	3684.0	4070.9	4339.3	4607.7	4755.4	4902.9
30°	3213.3	3671.4	4129.3	4439.8	4750.2	4892.7	5035.3
32.5°	3131.9	3656.0	4179.6	4544.5	4909.3	5050.5	5191.6
35°	3037.1	3626.8	4216.6	4663.9	5111.2	5246.5	5381.6
37.5°	2914.9	3576.7	4238.6	4797.6	5356.6	5529.0	5701.4
40°	2763.4	3507.9	4252.4	4967.4	5682.2	5933.3	6184.5
42.5°	2595.2	3436.8	4278.7	5189.5	6100.3	6462.8	6825.3
45°	2417.0	3370.8	4324.8	5481.7	6638.6	7127.6	7616.6
47.5°	2276.1	3316.3	4356.5	5793.0	7229.6	7918.0	8606.2
50°	2177.9	3256.8	4335.8	6081.9	7828.1	8865.7	9903.3
52.5°	2104.5	3156.5	4208.4	6269.5	8330.4	9861.3	11392.3
55°	2034.5	2990.0	3945.5	6228.2	8510.7	10743.9	12977.5
57.5°	1956.0	2755.4	3554.8	5937.2	8319.8	11369.5	14419.3
60°	1870.9	2450.8	3030.6	5395.8	7760.9	11525.9	15290.7
62.5°	1732.2	2086.2	2440.2	4663.6	6887.1	10867.7	14848.3
65°	1593.0	1758.2	1923.4	3916.6	5909.9	9936.2	13962.6
67.5°	1395.9	1443.0	1489.8	3184.9	4879.9	8827.9	12775.9
70°	1155.3	1142.0	1128.5	2507.7	3886.8	7618.5	11350.3
72.5°	951.5	910.9	870.5	1917.1	2963.7	6307.4	9651.4
75°	749.3	712.7	676.0	1391.4	2106.9	4804.6	7502.3
77.5°	570.4	545.3	520.4	942.9	1365.3	3362.8	5360.2
80°	410.8	400.5	390.1	607.5	824.9	2166.5	3508.3
82.5°	282.7	280.6	278.8	373.6	468.7	1254.0	2039.3
85°	166.7	167.7	168.6	199.8	231.0	564.1	897.3
87.5°	72.1	73.0	73.9	82.8	91.7	184.7	277.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)