

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: P968316

Luminaire Tested: **NAV-SB5B-750-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968316
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-SB5B-750-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30735.7 lumens
Efficiency: N/A
Efficacy: 168.2 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): 182.7
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

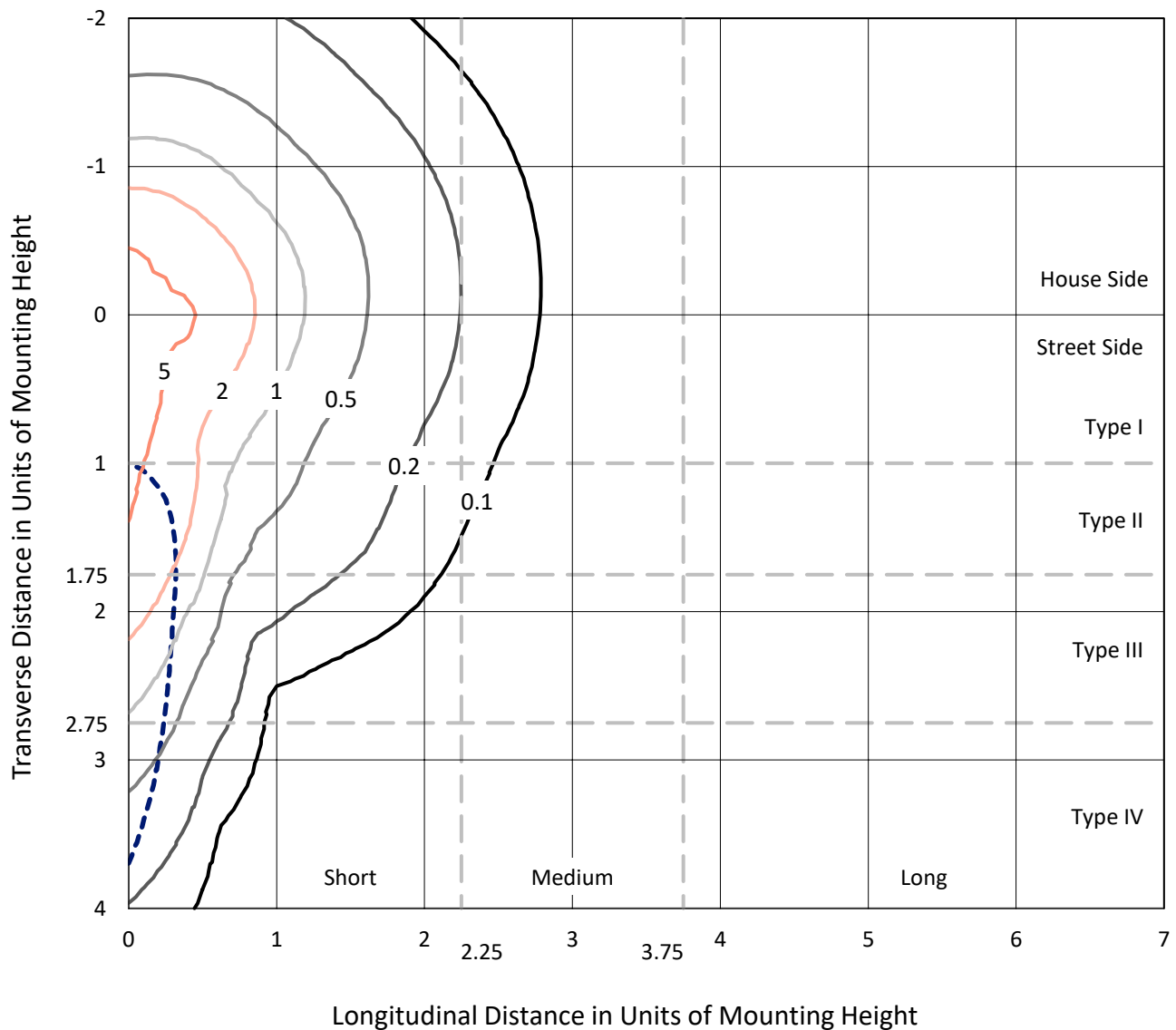


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Iso-Footcandle Lines of Horizontal Illumination

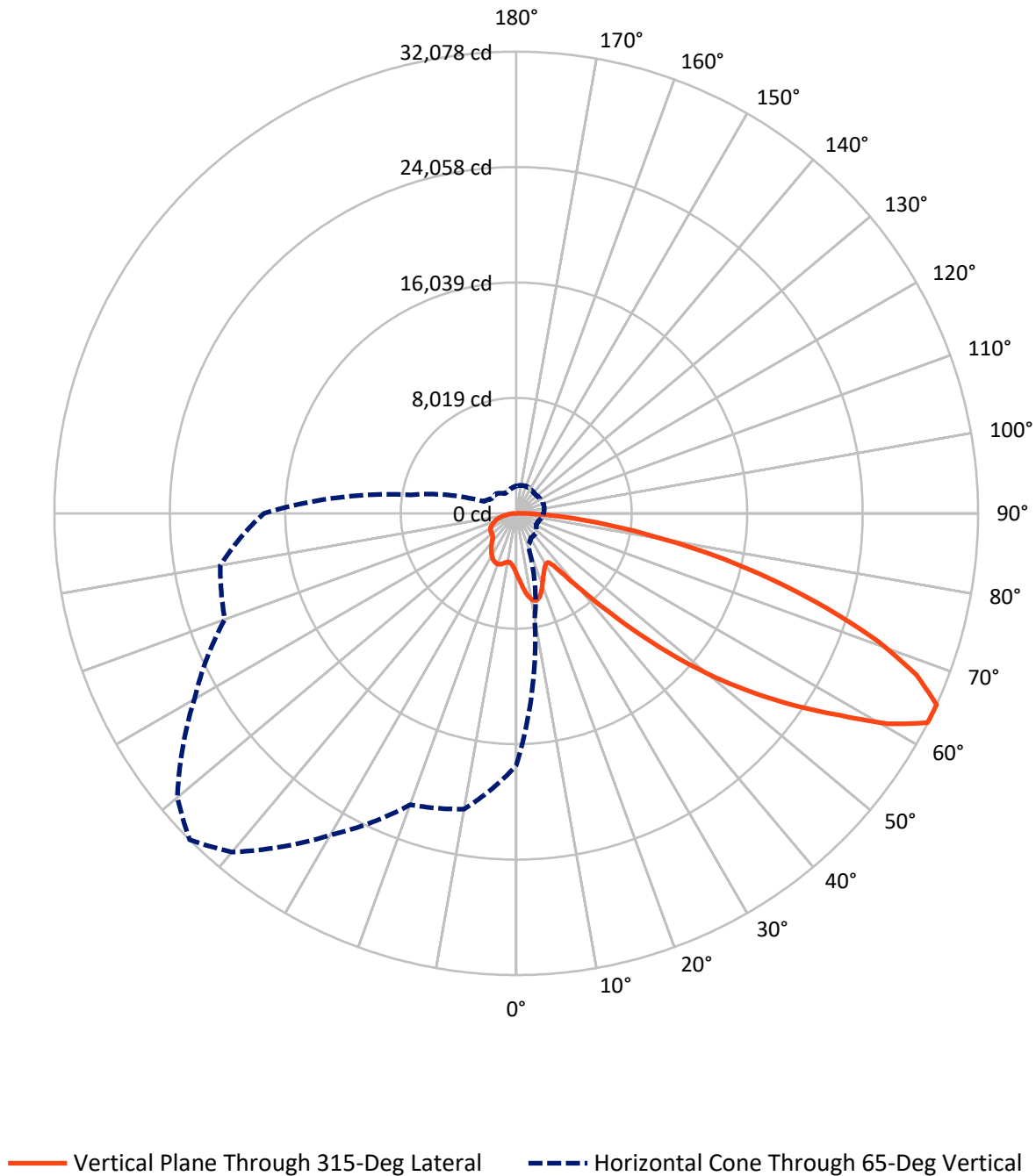
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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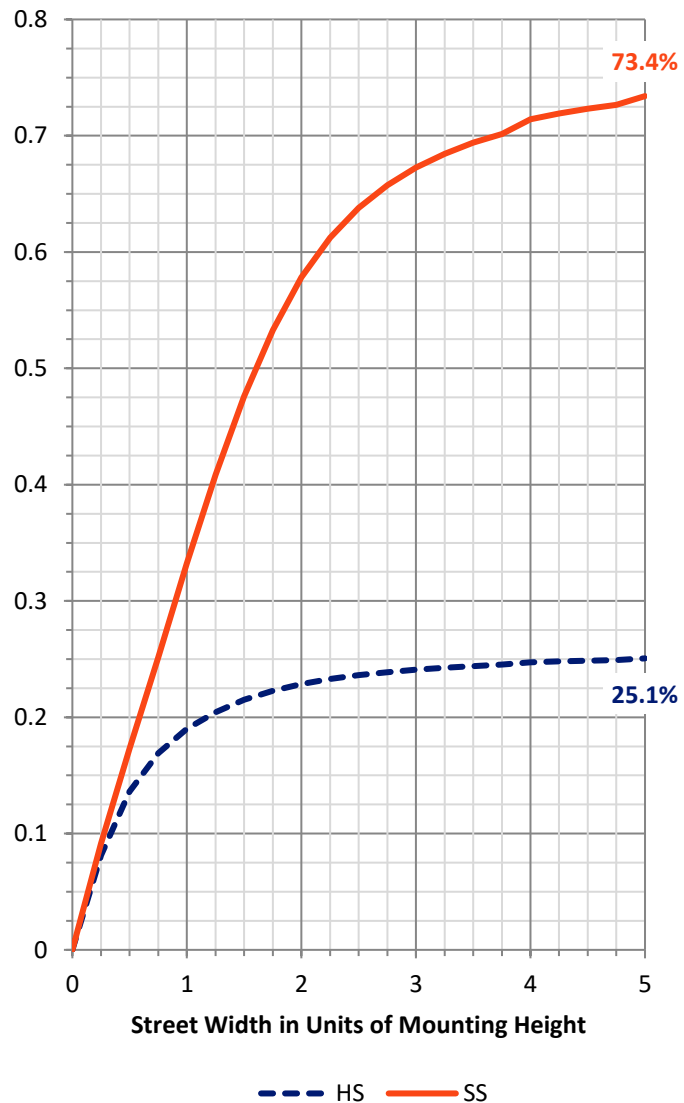
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7811.5	0.0	7811.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	22924.2	0.0	22924.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	30735.7	0.0	30735.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.3	1.4
10°-20°	1316.1	4.3
20°-30°	2033.0	6.6
30°-40°	2576.3	8.4
40°-50°	3885.7	12.6
50°-60°	6277.9	20.4
60°-70°	7826.4	25.5
70°-80°	5132.2	16.7
80°-90°	1268.8	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°	30735.7	100.0
0°-180°	30735.7	100.0

Coefficient of Utilization



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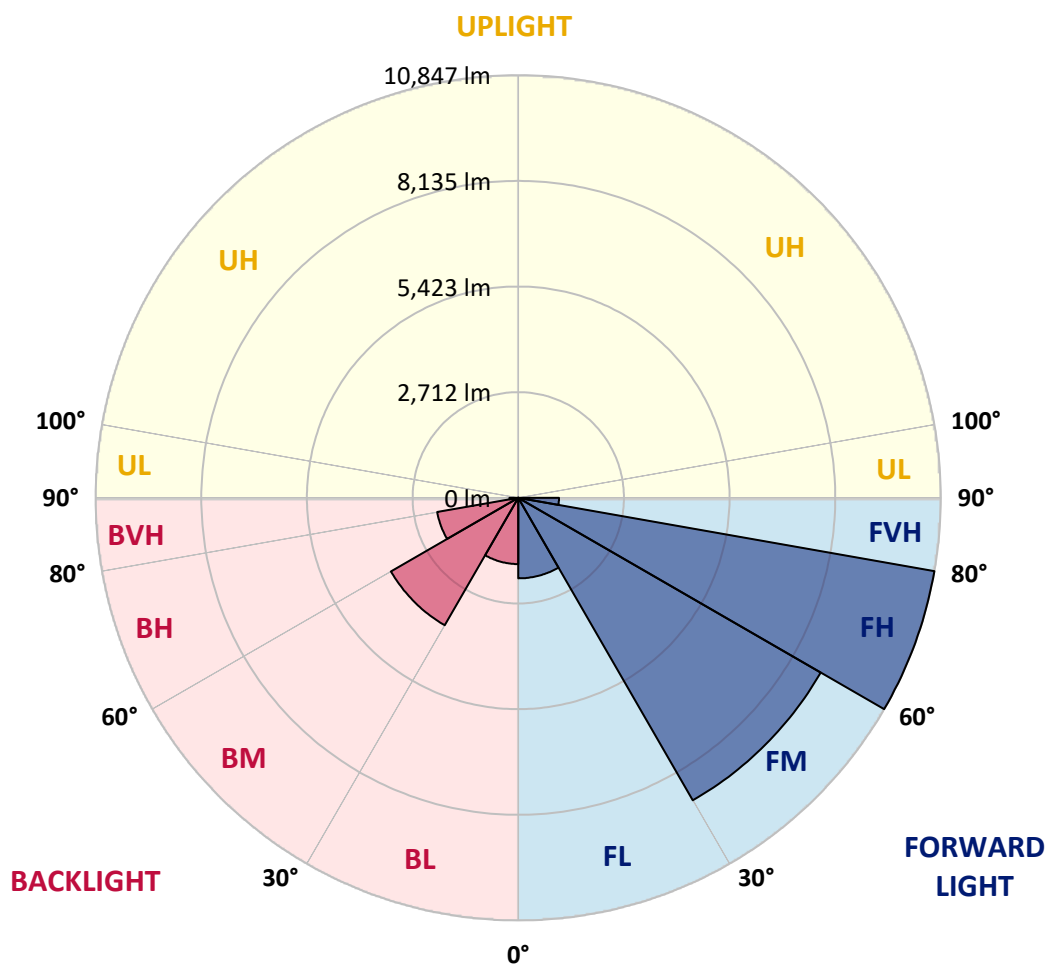
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2067.3	6.7			
FM	(30°-60°)	8964.9	29.2			
FH	(60°-80°)	10846.7	35.3			G4/12000
FVH	(80°-90°)	1045.2	3.4			G5
BL	(0°-30°)	1701.0	5.5	B3/2500		
BM	(30°-60°)	3775.0	12.3	B3/5000		
BH	(60°-80°)	2111.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	223.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	4545.1	4510.2	4475.4	4438.2	4401.2	4363.9	4326.6	4291.0	4255.3	4220.7	4182.3
5°	4887.3	4810.2	4733.2	4656.4	4579.6	4502.3	4425.1	4352.9	4280.7	4212.6	4145.3
7.5°	5231.1	5104.0	4977.0	4859.5	4742.2	4627.8	4513.5	4412.7	4312.1	4219.1	4132.0
10°	5494.6	5333.9	5173.2	5018.0	4863.0	4724.1	4585.1	4466.1	4346.7	4232.1	4138.5
12.5°	5656.1	5479.4	5302.9	5127.2	4951.4	4787.6	4623.8	4489.0	4354.2	4233.8	4146.6
15°	5754.1	5570.1	5386.0	5195.3	5004.6	4816.0	4627.4	4471.4	4315.2	4181.8	4112.1
17.5°	5809.3	5622.6	5436.0	5227.9	5019.8	4800.9	4582.0	4394.3	4206.6	4049.7	4006.6
20°	5870.1	5676.1	5482.0	5253.3	5024.7	4759.4	4494.0	4261.4	4028.9	3846.1	3834.7
22.5°	5940.7	5742.5	5544.1	5287.8	5031.1	4708.4	4385.7	4105.6	3825.5	3617.4	3639.7
25°	6031.5	5837.2	5643.0	5350.0	5056.7	4658.1	4259.7	3931.6	3603.7	3390.4	3450.4
27.5°	6154.7	5969.5	5784.2	5447.3	5110.3	4624.6	4138.8	3772.5	3406.1	3211.9	3284.9
30°	6321.0	6141.9	5963.0	5573.3	5183.6	4608.8	4033.8	3639.5	3245.3	3082.3	3139.5
32.5°	6517.3	6339.9	6162.8	5704.8	5246.9	4589.3	3931.6	3524.9	3117.9	2986.5	3012.0
35°	6755.6	6585.9	6416.2	5854.7	5293.2	4552.7	3812.5	3412.1	3011.7	2902.2	2891.6
37.5°	7157.1	6940.7	6724.3	6022.6	5320.8	4489.9	3659.1	3279.5	2899.8	2804.1	2765.4
40°	7763.6	7448.3	7133.0	6235.7	5338.2	4403.5	3469.0	3121.1	2773.2	2686.5	2627.3
42.5°	8568.0	8112.9	7657.8	6514.5	5371.1	4314.3	3257.9	2946.5	2635.1	2555.1	2480.5
45°	9561.3	8947.5	8333.7	6881.3	5429.0	4231.4	3034.1	2760.9	2487.9	2406.8	2334.5
47.5°	10803.6	9939.7	9075.6	7272.2	5468.7	4163.0	2857.3	2614.2	2371.0	2266.5	2204.4
50°	12431.9	11129.4	9826.8	7634.8	5442.7	4088.4	2734.1	2516.7	2299.4	2161.8	2089.7
52.5°	14301.0	12379.2	10457.4	7870.3	5283.1	3962.3	2641.9	2452.5	2263.2	2105.1	2004.2
55°	16291.0	13487.3	10683.6	7818.4	4953.0	3753.6	2554.0	2406.0	2257.9	2110.8	1958.8
57.5°	18100.9	14272.5	10444.0	7453.2	4462.4	3459.0	2455.4	2350.8	2246.2	2116.4	1931.6
60°	19194.9	14468.8	9742.5	6773.5	3804.4	3076.5	2348.7	2266.5	2184.3	2098.6	1906.0
62.5°	18639.4	13642.4	8645.5	5854.4	3063.2	2618.9	2174.5	2119.9	2065.4	2054.8	1876.1
65°	17527.6	12473.3	7418.9	4916.6	2414.5	2207.1	1999.7	1973.9	1948.1	1949.4	1813.2
67.5°	16038.0	11081.9	6125.9	3998.1	1870.2	1811.4	1752.3	1766.8	1781.0	1777.5	1701.0
70°	14248.3	9563.8	4879.2	3147.9	1416.7	1433.5	1450.2	1517.0	1583.7	1583.7	1558.5
72.5°	12115.7	7917.9	3720.4	2406.6	1092.8	1143.5	1194.4	1289.1	1383.7	1399.6	1399.9
75°	9417.8	6031.3	2644.8	1746.7	848.5	894.6	940.6	1046.7	1152.8	1226.1	1220.0
77.5°	6728.8	4221.4	1713.9	1183.6	653.2	684.6	716.1	819.0	922.0	1042.8	1039.6
80°	4404.0	2719.7	1035.6	762.6	489.7	502.8	515.8	603.0	690.0	834.5	833.9
82.5°	2560.0	1574.1	588.3	469.0	349.9	352.3	354.9	419.1	483.3	606.6	613.4
85°	1126.4	708.1	290.0	250.7	211.7	210.5	209.2	256.2	303.3	394.9	403.8
87.5°	348.7	232.0	115.1	103.9	92.8	91.6	90.5	109.7	128.9	167.1	178.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	4151.1	4120.2	4092.1	4064.2	4039.7	4015.2	3990.6	3966.1	3947.2	3928.0	3912.6
5°	4086.6	4027.7	3978.4	3929.3	3885.9	3842.4	3803.0	3763.4	3733.0	3702.6	3681.3
7.5°	4053.9	3975.9	3911.0	3846.1	3791.5	3736.6	3688.3	3640.2	3604.0	3567.9	3542.7
10°	4056.1	3973.7	3908.8	3844.0	3785.1	3726.1	3671.8	3617.4	3574.3	3531.0	3502.7
12.5°	4079.2	4012.1	3968.9	3926.1	3879.6	3833.6	3777.3	3721.3	3666.1	3611.0	3574.5
15°	4079.8	4047.7	4053.6	4059.4	4047.4	4035.3	3986.5	3937.7	3859.2	3780.7	3725.3
17.5°	4018.5	4030.2	4100.9	4171.6	4209.3	4246.7	4207.3	4168.1	4064.1	3960.1	3878.4
20°	3889.9	3945.0	4067.8	4190.7	4269.4	4348.0	4329.9	4311.6	4192.7	4074.0	3973.7
22.5°	3721.3	3802.9	3943.0	4083.4	4185.7	4288.1	4299.1	4309.9	4196.5	4082.9	3979.8
25°	3544.4	3638.5	3764.5	3890.7	3991.5	4092.1	4129.7	4167.2	4074.2	3981.2	3889.4
27.5°	3375.7	3466.7	3570.3	3673.7	3754.5	3835.2	3877.1	3919.1	3852.8	3786.6	3715.4
30°	3211.5	3283.8	3369.8	3455.7	3522.7	3589.9	3623.9	3658.0	3607.5	3557.0	3506.0
32.5°	3054.7	3097.3	3165.9	3234.7	3298.9	3363.3	3401.1	3439.1	3392.6	3346.1	3305.4
35°	2903.3	2915.2	2967.6	3019.8	3083.4	3147.1	3192.6	3238.0	3204.9	3172.0	3134.2
37.5°	2752.5	2739.5	2777.1	2814.6	2878.1	2941.6	2997.7	3053.9	3038.6	3023.3	2988.8
40°	2598.0	2568.6	2595.7	2622.8	2684.1	2745.4	2809.9	2874.6	2878.4	2882.0	2852.6
42.5°	2441.7	2402.7	2424.7	2447.0	2505.0	2563.2	2633.0	2702.7	2721.4	2740.0	2715.2
45°	2296.6	2258.9	2277.3	2296.1	2351.2	2406.4	2478.8	2551.1	2577.9	2604.6	2582.3
47.5°	2172.6	2140.8	2158.3	2175.7	2229.7	2283.5	2354.8	2426.2	2457.0	2487.9	2472.3
50°	2061.5	2033.4	2060.7	2088.0	2139.0	2189.7	2253.7	2317.5	2357.1	2396.7	2395.7
52.5°	1976.3	1948.6	1989.6	2030.5	2077.2	2123.8	2183.2	2242.9	2289.8	2336.7	2345.1
55°	1914.7	1870.7	1928.9	1987.1	2037.3	2087.6	2139.8	2191.9	2241.5	2291.3	2303.0
57.5°	1867.3	1803.1	1865.7	1928.3	1987.4	2046.4	2098.0	2149.7	2199.9	2249.8	2261.6
60°	1822.8	1739.4	1794.4	1849.2	1917.0	1984.8	2037.2	2089.7	2140.0	2190.2	2203.2
62.5°	1772.0	1668.0	1702.9	1737.8	1816.7	1895.8	1951.8	2007.8	2053.9	2099.9	2112.4
65°	1702.5	1591.8	1605.3	1618.6	1703.2	1788.0	1841.5	1895.1	1935.6	1976.2	1989.0
67.5°	1608.8	1516.7	1512.5	1508.3	1586.5	1664.8	1715.5	1766.2	1801.1	1836.2	1848.7
70°	1493.0	1427.5	1413.0	1398.3	1467.1	1535.9	1579.6	1623.4	1655.1	1686.6	1698.6
72.5°	1355.0	1310.1	1288.7	1267.4	1321.6	1375.7	1415.2	1454.8	1485.7	1516.7	1530.9
75°	1185.4	1150.7	1130.3	1109.7	1149.8	1190.1	1225.9	1261.8	1290.0	1318.1	1333.1
77.5°	1011.9	984.1	963.4	942.6	975.4	1008.0	1038.7	1069.6	1099.2	1128.7	1142.8
80°	810.8	787.4	770.1	752.6	779.7	806.9	832.8	858.7	881.3	903.6	922.2
82.5°	602.0	590.7	578.3	566.0	563.8	561.5	552.4	543.4	591.3	639.3	670.8
85°	391.7	379.5	365.7	351.9	340.3	328.4	303.3	278.2	323.1	368.2	407.0
87.5°	173.5	168.7	166.0	163.5	163.0	162.5	143.4	124.0	142.9	161.8	177.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	3897.2	3885.2	3873.2	3862.2	3850.9	3837.2	3850.9	3862.2	3873.2	3885.2	3897.2
5°	3660.1	3645.0	3629.9	3618.4	3606.9	3595.5	3606.9	3618.4	3629.9	3645.0	3660.1
7.5°	3517.4	3500.0	3482.8	3472.4	3462.2	3454.5	3462.2	3472.4	3482.8	3500.0	3517.4
10°	3474.2	3457.8	3441.4	3432.7	3423.9	3420.4	3423.9	3432.7	3441.4	3457.8	3474.2
12.5°	3538.0	3519.6	3501.5	3494.0	3486.5	3485.2	3486.5	3494.0	3501.5	3519.6	3538.0
15°	3669.8	3644.4	3619.1	3609.3	3599.6	3598.8	3599.6	3609.3	3619.1	3644.4	3669.8
17.5°	3796.6	3759.0	3721.3	3708.9	3696.5	3694.5	3696.5	3708.9	3721.3	3759.0	3796.6
20°	3873.7	3825.5	3777.2	3761.7	3746.4	3741.5	3746.4	3761.7	3777.2	3825.5	3873.7
22.5°	3876.4	3825.7	3774.8	3757.8	3740.7	3733.4	3740.7	3757.8	3774.8	3825.7	3876.4
25°	3797.9	3753.9	3709.9	3693.8	3677.9	3668.5	3677.9	3693.8	3709.9	3753.9	3797.9
27.5°	3644.2	3614.7	3585.0	3577.7	3570.4	3567.9	3570.4	3577.7	3585.0	3614.7	3644.2
30°	3454.8	3439.7	3424.4	3424.4	3424.4	3426.9	3424.4	3424.4	3424.4	3439.7	3454.8
32.5°	3264.7	3254.8	3244.9	3246.2	3247.6	3250.1	3247.6	3246.2	3244.9	3254.8	3264.7
35°	3096.8	3081.8	3066.8	3063.6	3060.3	3058.7	3060.3	3063.6	3066.8	3081.8	3096.8
37.5°	2954.2	2926.7	2899.4	2885.1	2870.6	2862.5	2870.6	2885.1	2899.4	2926.7	2954.2
40°	2823.3	2783.4	2743.7	2716.9	2690.2	2674.3	2690.2	2716.9	2743.7	2783.4	2823.3
42.5°	2690.5	2641.1	2591.6	2552.6	2513.5	2487.9	2513.5	2552.6	2591.6	2641.1	2690.5
45°	2560.0	2503.5	2447.0	2401.1	2355.1	2325.6	2355.1	2401.1	2447.0	2503.5	2560.0
47.5°	2456.7	2406.4	2356.2	2313.6	2271.3	2242.9	2271.3	2313.6	2356.2	2406.4	2456.7
50°	2395.1	2354.8	2314.7	2275.4	2236.1	2208.9	2236.1	2275.4	2314.7	2354.8	2395.1
52.5°	2353.6	2320.8	2288.0	2252.8	2217.8	2192.7	2217.8	2252.8	2288.0	2320.8	2353.6
55°	2314.7	2286.1	2257.6	2226.7	2196.0	2173.2	2196.0	2226.7	2257.6	2286.1	2314.7
57.5°	2273.4	2244.5	2215.7	2185.2	2154.5	2131.1	2154.5	2185.2	2215.7	2244.5	2273.4
60°	2216.2	2188.0	2159.9	2128.4	2096.9	2072.7	2096.9	2128.4	2159.9	2188.0	2216.2
62.5°	2124.9	2099.4	2074.0	2040.9	2007.8	1978.6	2007.8	2040.9	2074.0	2099.4	2124.9
65°	2001.6	1977.1	1952.6	1920.5	1888.6	1863.4	1888.6	1920.5	1952.6	1977.1	2001.6
67.5°	1861.0	1838.4	1816.1	1786.3	1756.4	1733.7	1756.4	1786.3	1816.1	1838.4	1861.0
70°	1710.7	1692.4	1674.0	1645.4	1616.9	1591.0	1616.9	1645.4	1674.0	1692.4	1710.7
72.5°	1545.3	1530.0	1514.7	1487.5	1460.4	1435.3	1460.4	1487.5	1514.7	1530.0	1545.3
75°	1348.1	1340.6	1333.1	1310.3	1287.4	1263.4	1287.4	1310.3	1333.1	1340.6	1348.1
77.5°	1156.7	1146.3	1135.6	1112.5	1089.6	1070.4	1089.6	1112.5	1135.6	1146.3	1156.7
80°	940.6	936.1	931.7	900.8	869.6	833.6	869.6	900.8	931.7	936.1	940.6
82.5°	702.2	700.3	698.2	672.1	645.9	622.8	645.9	672.1	698.2	700.3	702.2
85°	446.0	442.8	439.5	419.1	398.6	377.9	398.6	419.1	439.5	442.8	446.0
87.5°	193.3	189.4	185.2	174.9	164.1	154.1	164.1	174.9	185.2	189.4	193.3
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: P968316

CATALOG NUMBER: NAV-SB5B-750-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	3912.6	3928.0	3947.2	3966.1	3990.6	4015.2	4039.7	4064.2	4092.1	4120.2	4151.1
5°	3681.3	3702.6	3733.0	3763.4	3803.0	3842.4	3885.9	3929.3	3978.4	4027.7	4086.6
7.5°	3542.7	3567.9	3604.0	3640.2	3688.3	3736.6	3791.5	3846.1	3911.0	3975.9	4053.9
10°	3502.7	3531.0	3574.3	3617.4	3671.8	3726.1	3785.1	3844.0	3908.8	3973.7	4056.1
12.5°	3574.5	3611.0	3666.1	3721.3	3777.3	3833.6	3879.6	3926.1	3968.9	4012.1	4079.2
15°	3725.3	3780.7	3859.2	3937.7	3986.5	4035.3	4047.4	4059.4	4053.6	4047.7	4079.8
17.5°	3878.4	3960.1	4064.1	4168.1	4207.3	4246.7	4209.3	4171.6	4100.9	4030.2	4018.5
20°	3973.7	4074.0	4192.7	4311.6	4329.9	4348.0	4269.4	4190.7	4067.8	3945.0	3889.9
22.5°	3979.8	4082.9	4196.5	4309.9	4299.1	4288.1	4185.7	4083.4	3943.0	3802.9	3721.3
25°	3889.4	3981.2	4074.2	4167.2	4129.7	4092.1	3991.5	3890.7	3764.5	3638.5	3544.4
27.5°	3715.4	3786.6	3852.8	3919.1	3877.1	3835.2	3754.5	3673.7	3570.3	3466.7	3375.7
30°	3506.0	3557.0	3607.5	3658.0	3623.9	3589.9	3522.7	3455.7	3369.8	3283.8	3211.5
32.5°	3305.4	3346.1	3392.6	3439.1	3401.1	3363.3	3298.9	3234.7	3165.9	3097.3	3054.7
35°	3134.2	3172.0	3204.9	3238.0	3192.6	3147.1	3083.4	3019.8	2967.6	2915.2	2903.3
37.5°	2988.8	3023.3	3038.6	3053.9	2997.7	2941.6	2878.1	2814.6	2777.1	2739.5	2752.5
40°	2852.6	2882.0	2878.4	2874.6	2809.9	2745.4	2684.1	2622.8	2595.7	2568.6	2598.0
42.5°	2715.2	2740.0	2721.4	2702.7	2633.0	2563.2	2505.0	2447.0	2424.7	2402.7	2441.7
45°	2582.3	2604.6	2577.9	2551.1	2478.8	2406.4	2351.2	2296.1	2277.3	2258.9	2296.6
47.5°	2472.3	2487.9	2457.0	2426.2	2354.8	2283.5	2229.7	2175.7	2158.3	2140.8	2172.6
50°	2395.7	2396.7	2357.1	2317.5	2253.7	2189.7	2139.0	2088.0	2060.7	2033.4	2061.5
52.5°	2345.1	2336.7	2289.8	2242.9	2183.2	2123.8	2077.2	2030.5	1989.6	1948.6	1976.3
55°	2303.0	2291.3	2241.5	2191.9	2139.8	2087.6	2037.3	1987.1	1928.9	1870.7	1914.7
57.5°	2261.6	2249.8	2199.9	2149.7	2098.0	2046.4	1987.4	1928.3	1865.7	1803.1	1867.3
60°	2203.2	2190.2	2140.0	2089.7	2037.2	1984.8	1917.0	1849.2	1794.4	1739.4	1822.8
62.5°	2112.4	2099.9	2053.9	2007.8	1951.8	1895.8	1816.7	1737.8	1702.9	1668.0	1772.0
65°	1989.0	1976.2	1935.6	1895.1	1841.5	1788.0	1703.2	1618.6	1605.3	1591.8	1702.5
67.5°	1848.7	1836.2	1801.1	1766.2	1715.5	1664.8	1586.5	1508.3	1512.5	1516.7	1608.8
70°	1698.6	1686.6	1655.1	1623.4	1579.6	1535.9	1467.1	1398.3	1413.0	1427.5	1493.0
72.5°	1530.9	1516.7	1485.7	1454.8	1415.2	1375.7	1321.6	1267.4	1288.7	1310.1	1355.0
75°	1333.1	1318.1	1290.0	1261.8	1225.9	1190.1	1149.8	1109.7	1130.3	1150.7	1185.4
77.5°	1142.8	1128.7	1099.2	1069.6	1038.7	1008.0	975.4	942.6	963.4	984.1	1011.9
80°	922.2	903.6	881.3	858.7	832.8	806.9	779.7	752.6	770.1	787.4	810.8
82.5°	670.8	639.3	591.3	543.4	552.4	561.5	563.8	566.0	578.3	590.7	602.0
85°	407.0	368.2	323.1	278.2	303.3	328.4	340.3	351.9	365.7	379.5	391.7
87.5°	177.6	161.8	142.9	124.0	143.4	162.5	163.0	163.5	166.0	168.7	173.5
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: P968316

CATALOG NUMBER: NAV-SB5B-750-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	4182.3	4220.7	4255.3	4291.0	4326.6	4363.9	4401.2	4438.2	4475.4	4510.2	4545.1
5°	4145.3	4212.6	4280.7	4352.9	4425.1	4502.3	4579.6	4656.4	4733.2	4810.2	4887.3
7.5°	4132.0	4219.1	4312.1	4412.7	4513.5	4627.8	4742.2	4859.5	4977.0	5104.0	5231.1
10°	4138.5	4232.1	4346.7	4466.1	4585.1	4724.1	4863.0	5018.0	5173.2	5333.9	5494.6
12.5°	4146.6	4233.8	4354.2	4489.0	4623.8	4787.6	4951.4	5127.2	5302.9	5479.4	5656.1
15°	4112.1	4181.8	4315.2	4471.4	4627.4	4816.0	5004.6	5195.3	5386.0	5570.1	5754.1
17.5°	4006.6	4049.7	4206.6	4394.3	4582.0	4800.9	5019.8	5227.9	5436.0	5622.6	5809.3
20°	3834.7	3846.1	4028.9	4261.4	4494.0	4759.4	5024.7	5253.3	5482.0	5676.1	5870.1
22.5°	3639.7	3617.4	3825.5	4105.6	4385.7	4708.4	5031.1	5287.8	5544.1	5742.5	5940.7
25°	3450.4	3390.4	3603.7	3931.6	4259.7	4658.1	5056.7	5350.0	5643.0	5837.2	6031.5
27.5°	3284.9	3211.9	3406.1	3772.5	4138.8	4624.6	5110.3	5447.3	5784.2	5969.5	6154.7
30°	3139.5	3082.3	3245.3	3639.5	4033.8	4608.8	5183.6	5573.3	5963.0	6141.9	6321.0
32.5°	3012.0	2986.5	3117.9	3524.9	3931.6	4589.3	5246.9	5704.8	6162.8	6339.9	6517.3
35°	2891.6	2902.2	3011.7	3412.1	3812.5	4552.7	5293.2	5854.7	6416.2	6585.9	6755.6
37.5°	2765.4	2804.1	2899.8	3279.5	3659.1	4489.9	5320.8	6022.6	6724.3	6940.7	7157.1
40°	2627.3	2686.5	2773.2	3121.1	3469.0	4403.5	5338.2	6235.7	7133.0	7448.3	7763.6
42.5°	2480.5	2555.1	2635.1	2946.5	3257.9	4314.3	5371.1	6514.5	7657.8	8112.9	8568.0
45°	2334.5	2406.8	2487.9	2760.9	3034.1	4231.4	5429.0	6881.3	8333.7	8947.5	9561.3
47.5°	2204.4	2266.5	2371.0	2614.2	2857.3	4163.0	5468.7	7272.2	9075.6	9939.7	10803.6
50°	2089.7	2161.8	2299.4	2516.7	2734.1	4088.4	5442.7	7634.8	9826.8	11129.4	12431.9
52.5°	2004.2	2105.1	2263.2	2452.5	2641.9	3962.3	5283.1	7870.3	10457.4	12379.2	14301.0
55°	1958.8	2110.8	2257.9	2406.0	2554.0	3753.6	4953.0	7818.4	10683.6	13487.3	16291.0
57.5°	1931.6	2116.4	2246.2	2350.8	2455.4	3459.0	4462.4	7453.2	10444.0	14272.5	18100.9
60°	1906.0	2098.6	2184.3	2266.5	2348.7	3076.5	3804.4	6773.5	9742.5	14468.8	19194.9
62.5°	1876.1	2054.8	2065.4	2119.9	2174.5	2618.9	3063.2	5854.4	8645.5	13642.4	18639.4
65°	1813.2	1949.4	1948.1	1973.9	1999.7	2207.1	2414.5	4916.6	7418.9	12473.3	17527.6
67.5°	1701.0	1777.5	1781.0	1766.8	1752.3	1811.4	1870.2	3998.1	6125.9	11081.9	16038.0
70°	1558.5	1583.7	1583.7	1517.0	1450.2	1433.5	1416.7	3147.9	4879.2	9563.8	14248.3
72.5°	1399.9	1399.6	1383.7	1289.1	1194.4	1143.5	1092.8	2406.6	3720.4	7917.9	12115.7
75°	1220.0	1226.1	1152.8	1046.7	940.6	894.6	848.5	1746.7	2644.8	6031.3	9417.8
77.5°	1039.6	1042.8	922.0	819.0	716.1	684.6	653.2	1183.6	1713.9	4221.4	6728.8
80°	833.9	834.5	690.0	603.0	515.8	502.8	489.7	762.6	1035.6	2719.7	4404.0
82.5°	613.4	606.6	483.3	419.1	354.9	352.3	349.9	469.0	588.3	1574.1	2560.0
85°	403.8	394.9	303.3	256.2	209.2	210.5	211.7	250.7	290.0	708.1	1126.4
87.5°	178.4	167.1	128.9	109.7	90.5	91.6	92.8	103.9	115.1	232.0	348.7
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: P968316

CATALOG NUMBER: NAV-SB5B-750-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	4562.3	4579.6	4604.1	4628.6	4643.2	4657.8	4665.1	4672.5	4669.2	4672.5	4665.1
5°	4947.5	5007.8	5067.5	5127.4	5159.7	5192.2	5211.8	5231.6	5246.6	5231.6	5211.8
7.5°	5329.1	5426.9	5514.9	5603.0	5656.1	5709.0	5737.7	5766.3	5780.1	5766.3	5737.7
10°	5610.4	5726.3	5829.6	5932.9	5995.4	6057.7	6085.6	6113.4	6124.0	6113.4	6085.6
12.5°	5781.5	5907.0	6000.3	6093.4	6138.8	6184.2	6199.5	6214.8	6216.3	6214.8	6199.5
15°	5862.5	5970.6	6029.3	6087.9	6089.5	6091.2	6075.0	6058.8	6039.6	6058.8	6075.0
17.5°	5882.5	5955.6	5956.7	5957.7	5892.0	5826.3	5766.1	5705.9	5663.3	5705.9	5766.1
20°	5895.6	5921.2	5844.1	5767.2	5622.1	5477.2	5371.6	5266.0	5201.2	5266.0	5371.6
22.5°	5907.3	5873.9	5714.3	5554.7	5341.4	5128.2	4996.2	4864.1	4792.4	4864.1	4996.2
25°	5926.0	5820.7	5578.4	5336.0	5077.0	4818.0	4679.2	4540.8	4472.9	4540.8	4679.2
27.5°	5966.3	5777.7	5456.7	5136.0	4848.9	4561.8	4425.2	4288.8	4224.8	4288.8	4425.2
30°	6039.9	5759.1	5363.9	4968.9	4669.8	4370.8	4244.1	4117.4	4057.8	4117.4	4244.1
32.5°	6132.4	5747.7	5300.7	4853.7	4572.6	4291.6	4192.1	4092.6	4049.7	4092.6	4192.1
35°	6284.7	5813.8	5348.0	4882.5	4687.1	4492.1	4468.9	4445.7	4442.1	4445.7	4468.9
37.5°	6603.0	6049.0	5625.7	5202.4	5189.8	5177.1	5283.2	5389.2	5444.4	5389.2	5283.2
40°	7161.1	6558.6	6243.8	5929.0	6151.1	6373.3	6631.2	6889.1	7017.6	6889.1	6631.2
42.5°	7970.2	7372.4	7191.1	7009.8	7494.4	7978.9	8447.9	8917.0	9192.4	8917.0	8447.9
45°	9024.4	8487.2	8407.3	8327.1	9103.5	9880.0	10650.7	11421.6	11889.4	11421.6	10650.7
47.5°	10281.3	9758.7	9742.5	9726.2	10846.2	11966.0	13094.3	14222.4	14884.9	14222.4	13094.3
50°	11786.6	11141.4	11144.2	11147.0	12590.4	14033.8	15523.1	17012.3	17912.8	17012.3	15523.1
52.5°	13519.6	12738.5	12659.5	12580.3	14304.5	16028.6	17871.3	19713.8	20793.1	19713.8	17871.3
55°	15519.0	14747.1	14439.1	14131.1	16050.0	17968.8	20165.4	22362.2	23645.8	22362.2	20165.4
57.5°	17680.5	17260.1	16642.3	16024.7	17962.3	19899.9	22388.0	24876.0	26467.9	24876.0	22388.0
60°	19847.8	20500.9	19733.8	18966.7	20800.2	22633.8	25297.8	27961.8	29682.3	27961.8	25297.8
62.5°	20423.5	22207.6	22121.2	22034.6	23714.3	25394.2	27928.7	30463.1	32053.3	30463.1	27928.7
65°	19202.1	20876.7	21208.0	21539.1	23673.8	25808.6	28266.2	30723.8	32077.6	30723.8	28266.2
67.5°	17630.6	19223.3	19378.5	19533.8	21758.0	23981.9	26450.1	28918.3	29979.0	28918.3	26450.1
70°	15980.6	17713.0	17782.4	17852.0	19840.9	21829.7	23953.8	26077.7	26667.3	26077.7	23953.8
72.5°	14103.5	16091.5	16141.5	16191.3	17747.4	19303.5	20894.3	22485.0	22544.7	22485.0	20894.3
75°	11475.2	13532.7	13717.4	13902.1	15112.8	16323.4	17443.2	18563.2	18263.1	18563.2	17443.2
77.5°	8649.4	10570.1	10834.5	11098.8	12019.2	12939.6	13733.8	14528.1	14012.4	14528.1	13733.8
80°	6019.8	7635.4	7964.0	8292.6	8987.7	9682.5	10099.6	10516.6	9687.1	10516.6	10099.6
82.5°	3664.6	4769.4	5136.4	5503.6	5982.0	6460.5	6634.5	6808.4	6156.4	6808.4	6634.5
85°	1712.7	2298.9	2611.1	2923.3	3316.4	3709.4	3808.2	3906.9	3384.7	3906.9	3808.2
87.5°	545.7	742.8	917.0	1091.1	1287.7	1484.3	1492.7	1501.0	1260.1	1501.0	1492.7
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: P968316

CATALOG NUMBER: NAV-SB5B-750-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4	4226.4
2.5°	4657.8	4643.2	4628.6	4604.1	4579.6	4562.3	4545.1
5°	5192.2	5159.7	5127.4	5067.5	5007.8	4947.5	4887.3
7.5°	5709.0	5656.1	5603.0	5514.9	5426.9	5329.1	5231.1
10°	6057.7	5995.4	5932.9	5829.6	5726.3	5610.4	5494.6
12.5°	6184.2	6138.8	6093.4	6000.3	5907.0	5781.5	5656.1
15°	6091.2	6089.5	6087.9	6029.3	5970.6	5862.5	5754.1
17.5°	5826.3	5892.0	5957.7	5956.7	5955.6	5882.5	5809.3
20°	5477.2	5622.1	5767.2	5844.1	5921.2	5895.6	5870.1
22.5°	5128.2	5341.4	5554.7	5714.3	5873.9	5907.3	5940.7
25°	4818.0	5077.0	5336.0	5578.4	5820.7	5926.0	6031.5
27.5°	4561.8	4848.9	5136.0	5456.7	5777.7	5966.3	6154.7
30°	4370.8	4669.8	4968.9	5363.9	5759.1	6039.9	6321.0
32.5°	4291.6	4572.6	4853.7	5300.7	5747.7	6132.4	6517.3
35°	4492.1	4687.1	4882.5	5348.0	5813.8	6284.7	6755.6
37.5°	5177.1	5189.8	5202.4	5625.7	6049.0	6603.0	7157.1
40°	6373.3	6151.1	5929.0	6243.8	6558.6	7161.1	7763.6
42.5°	7978.9	7494.4	7009.8	7191.1	7372.4	7970.2	8568.0
45°	9880.0	9103.5	8327.1	8407.3	8487.2	9024.4	9561.3
47.5°	11966.0	10846.2	9726.2	9742.5	9758.7	10281.3	10803.6
50°	14033.8	12590.4	11147.0	11144.2	11141.4	11786.6	12431.9
52.5°	16028.6	14304.5	12580.3	12659.5	12738.5	13519.6	14301.0
55°	17968.8	16050.0	14131.1	14439.1	14747.1	15519.0	16291.0
57.5°	19899.9	17962.3	16024.7	16642.3	17260.1	17680.5	18100.9
60°	22633.8	20800.2	18966.7	19733.8	20500.9	19847.8	19194.9
62.5°	25394.2	23714.3	22034.6	22121.2	22207.6	20423.5	18639.4
65°	25808.6	23673.8	21539.1	21208.0	20876.7	19202.1	17527.6
67.5°	23981.9	21758.0	19533.8	19378.5	19223.3	17630.6	16038.0
70°	21829.7	19840.9	17852.0	17782.4	17713.0	15980.6	14248.3
72.5°	19303.5	17747.4	16191.3	16141.5	16091.5	14103.5	12115.7
75°	16323.4	15112.8	13902.1	13717.4	13532.7	11475.2	9417.8
77.5°	12939.6	12019.2	11098.8	10834.5	10570.1	8649.4	6728.8
80°	9682.5	8987.7	8292.6	7964.0	7635.4	6019.8	4404.0
82.5°	6460.5	5982.0	5503.6	5136.4	4769.4	3664.6	2560.0
85°	3709.4	3316.4	2923.3	2611.1	2298.9	1712.7	1126.4
87.5°	1484.3	1287.7	1091.1	917.0	742.8	545.7	348.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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