

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: P968965

Luminaire Tested: **NAV-SB5C-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968965
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-SB5C-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35838.1 lumens
Efficiency: N/A
Efficacy: 143.6 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): 249.5
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

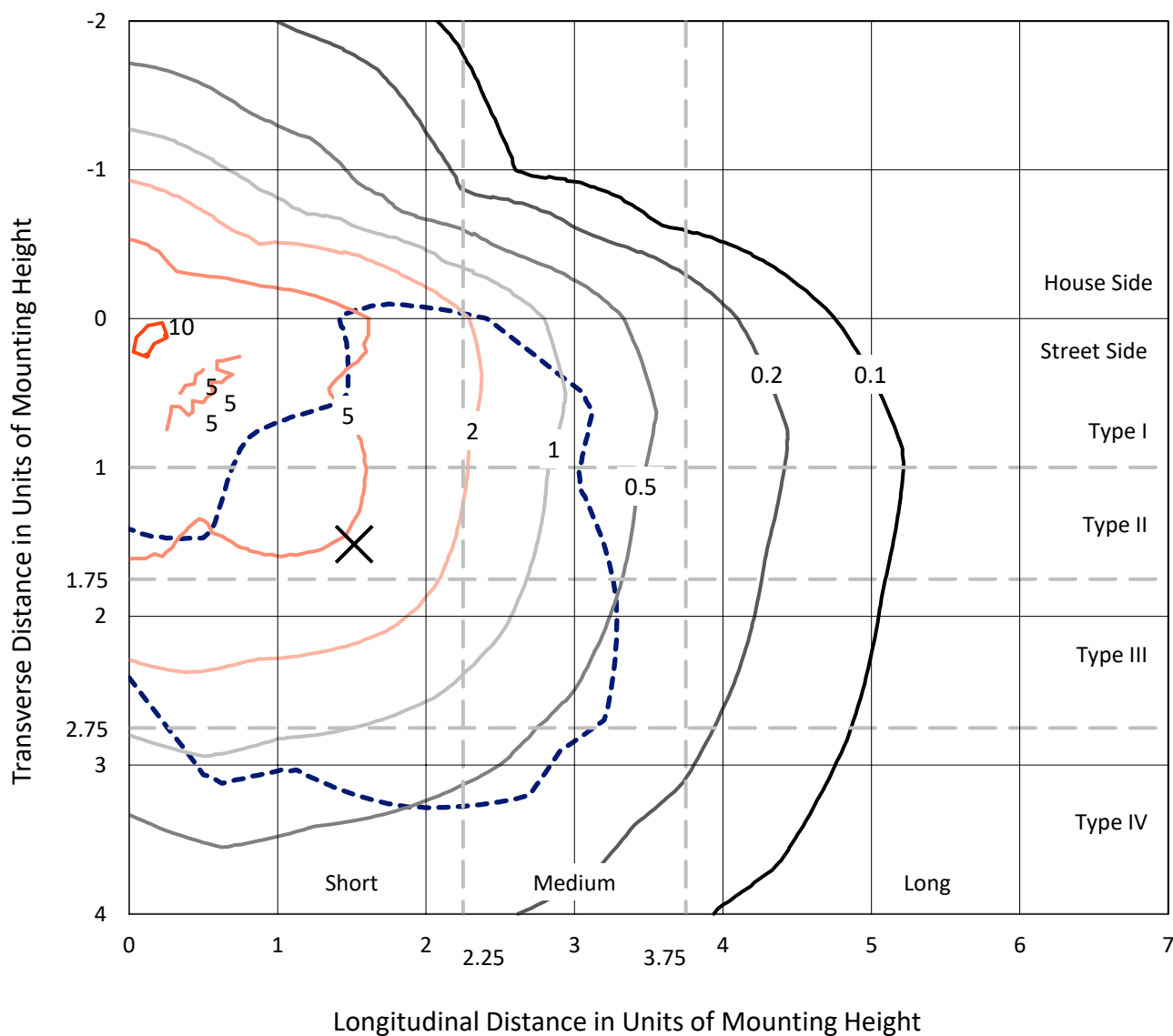


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Iso-Footcandle Lines of Horizontal Illumination

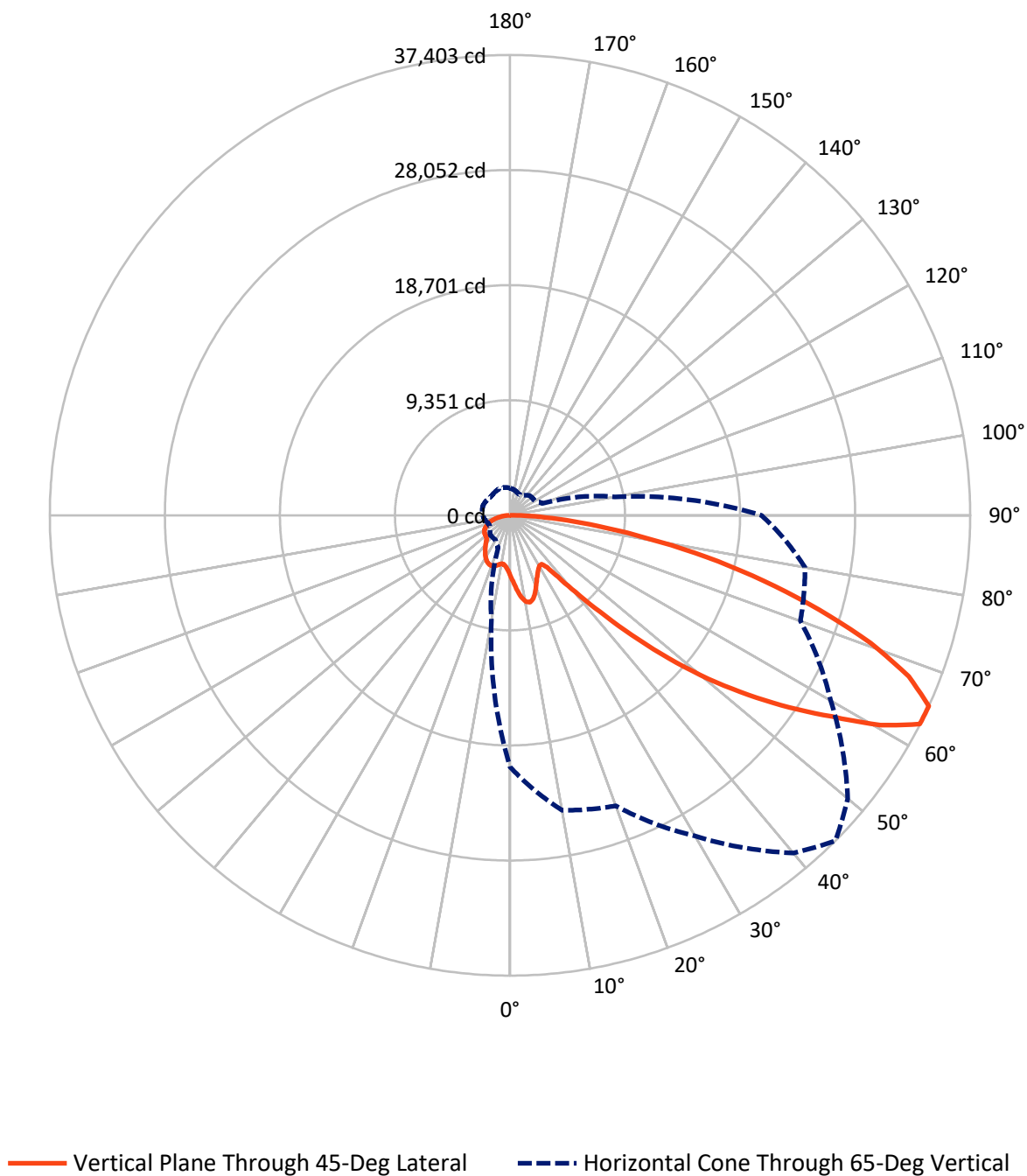
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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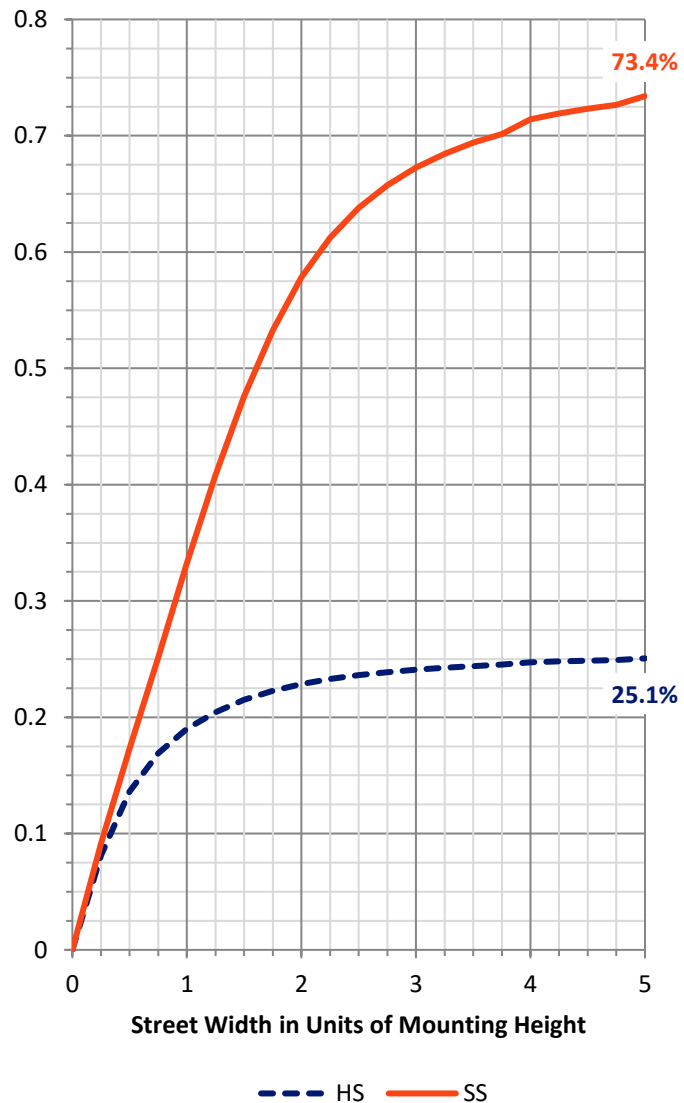
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9108.2	0.0	9108.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	26729.9	0.0	26729.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	35838.1	0.0	35838.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.9	1.4
10°-20°	1534.6	4.3
20°-30°	2370.5	6.6
30°-40°	3004.0	8.4
40°-50°	4530.8	12.6
50°-60°	7320.1	20.4
60°-70°	9125.7	25.5
70°-80°	5984.2	16.7
80°-90°	1479.4	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°	35838.1	100.0
0°-180°	35838.1	100.0

Coefficient of Utilization



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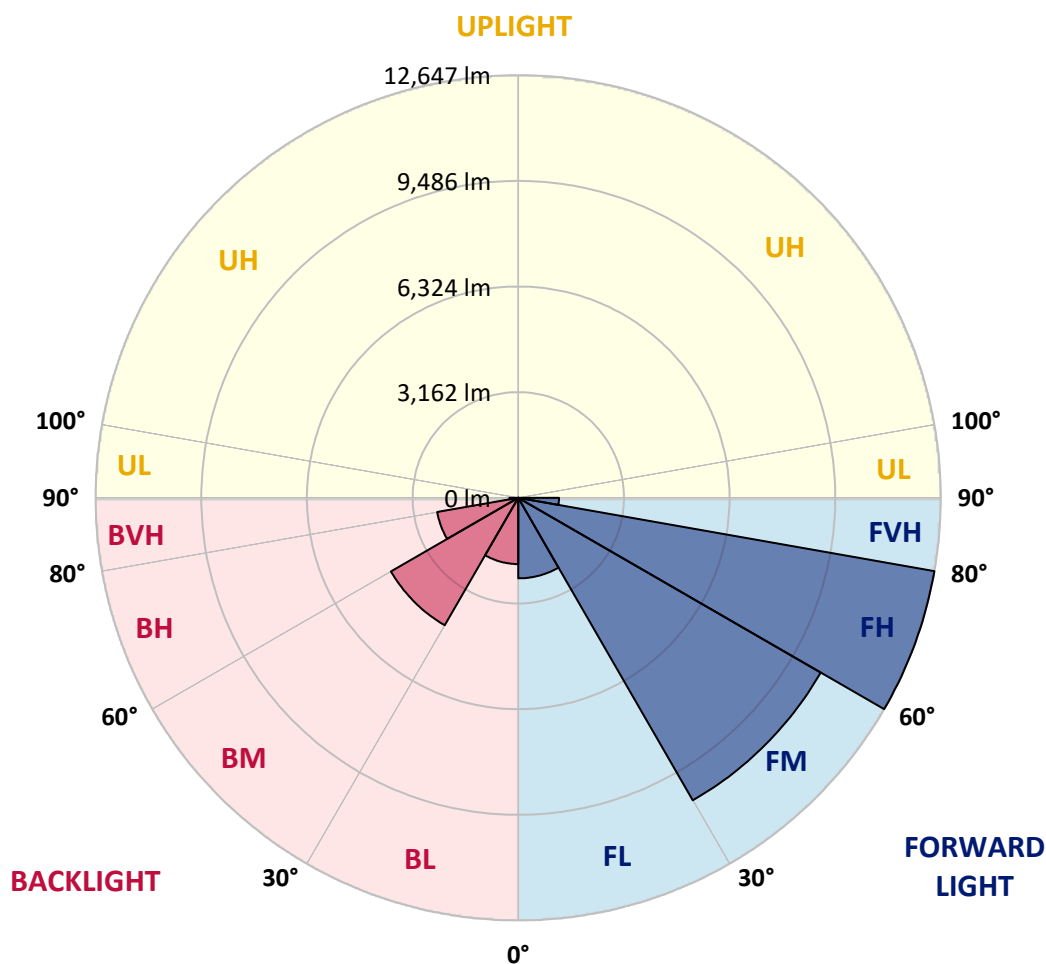
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2410.5	6.7			
FM	(30°-60°)	10453.2	29.2			
FH	(60°-80°)	12647.4	35.3			G5
FVH	(80°-90°)	1218.7	3.4			G5
BL	(0°-30°)	1983.4	5.5	B3/2500		
BM	(30°-60°)	4401.7	12.3	B3/5000		
BH	(60°-80°)	2462.4	6.9	B3/2500		G3/2500
BVH	(80°-90°)	260.7	0.7			G3/500
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°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	5299.7	5319.6	5339.9	5368.4	5397.0	5414.0	5431.1	5439.6	5448.1	5444.3	5448.1
5°	5698.7	5768.8	5839.1	5908.7	5978.5	6016.3	6054.2	6077.0	6100.1	6117.5	6100.1
7.5°	6099.6	6213.8	6327.8	6430.4	6533.1	6595.0	6656.9	6690.3	6723.6	6739.7	6723.6
10°	6406.9	6541.9	6676.8	6797.4	6917.8	6990.8	7063.4	7096.0	7128.3	7140.6	7128.3
12.5°	6595.0	6741.3	6887.6	6996.4	7105.0	7158.0	7210.9	7228.7	7246.4	7248.4	7246.4
15°	6709.4	6835.7	6961.9	7030.2	7098.5	7100.5	7102.3	7083.5	7064.5	7042.3	7064.5
17.5°	6773.7	6859.0	6944.3	6945.6	6946.7	6870.2	6793.6	6723.4	6653.1	6603.5	6653.1
20°	6844.6	6874.3	6904.2	6814.4	6724.5	6555.5	6386.5	6263.3	6140.2	6064.5	6140.2
22.5°	6926.8	6887.9	6848.9	6662.9	6476.8	6228.1	5979.4	5825.5	5671.6	5588.0	5671.6
25°	7032.7	6909.8	6786.9	6504.4	6221.9	5919.9	5617.9	5456.1	5294.5	5215.5	5294.5
27.5°	7176.5	6956.8	6736.8	6362.6	5988.6	5653.8	5319.1	5159.8	5000.9	4926.2	5000.9
30°	7370.4	7042.6	6715.1	6254.4	5793.8	5445.1	5096.3	4948.7	4801.0	4731.4	4801.0
32.5°	7599.1	7150.4	6701.9	6180.6	5659.5	5331.7	5004.0	4888.1	4772.0	4722.0	4772.0
35°	7877.1	7327.9	6779.0	6235.9	5693.0	5465.3	5237.8	5210.8	5183.7	5179.5	5183.7
37.5°	8345.1	7699.2	7053.2	6559.6	6066.1	6051.3	6036.5	6160.2	6284.0	6348.2	6284.0
40°	9052.4	8349.9	7647.3	7280.3	6913.2	7172.3	7431.5	7732.1	8032.7	8182.6	8032.7
42.5°	9990.4	9293.4	8596.3	8384.9	8173.5	8738.5	9303.5	9850.5	10397.3	10718.4	10397.3
45°	11148.6	10522.5	9896.2	9803.0	9709.5	10614.8	11520.2	12418.8	13317.6	13863.2	13317.6
47.5°	12597.1	11988.1	11378.7	11359.9	11340.9	12646.9	13952.5	15268.1	16583.5	17355.9	16583.5
50°	14495.8	13743.3	12991.1	12994.2	12997.5	14680.6	16363.5	18100.1	19836.6	20886.5	19836.6
52.5°	16675.2	15764.1	14853.2	14761.0	14668.8	16679.1	18689.5	20838.1	22986.5	24245.0	22986.5
55°	18995.5	18095.4	17195.2	16836.1	16477.0	18714.4	20951.7	23513.2	26074.6	27571.4	26074.6
57.5°	21105.9	20615.7	20125.4	19405.1	18684.9	20944.2	23203.4	26104.7	29005.7	30861.7	29005.7
60°	22381.4	23142.8	23904.2	23009.8	22115.3	24253.3	26391.3	29497.6	32603.8	34609.8	32603.8
62.5°	21733.7	23814.0	25894.4	25793.6	25692.6	27651.1	29609.9	32565.2	35520.4	37374.5	35520.4
65°	20437.4	22389.9	24342.4	24728.7	25114.9	27603.9	30093.1	32958.8	35824.3	37402.9	35824.3
67.5°	18700.5	20557.5	22414.5	22595.6	22776.6	25370.0	27963.1	30841.1	33719.1	34955.9	33719.1
70°	16613.7	18633.6	20653.5	20734.5	20815.6	23134.8	25453.7	27930.4	30406.9	31094.4	30406.9
72.5°	14127.0	16444.9	18762.9	18821.2	18879.2	20693.6	22508.1	24363.0	26217.8	26287.4	26217.8
75°	10981.2	13380.2	15779.2	15994.6	16210.0	17621.6	19033.3	20339.1	21644.8	21295.0	21644.8
77.5°	7846.0	10085.3	12324.8	12633.1	12941.3	14014.5	15087.7	16013.7	16940.0	16338.6	16940.0
80°	5135.1	7019.2	8903.0	9286.1	9669.2	10479.8	11289.9	11776.2	12262.5	11295.2	12262.5
82.5°	2985.0	4273.0	5561.1	5989.1	6417.2	6975.1	7532.9	7735.9	7938.6	7178.4	7938.6
85°	1313.3	1996.9	2680.6	3044.6	3408.6	3867.0	4325.2	4440.3	4555.5	3946.6	4555.5
87.5°	406.6	636.3	866.1	1069.2	1272.3	1501.5	1730.7	1740.6	1750.2	1469.3	1750.2
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°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	5439.6	5431.1	5414.0	5397.0	5368.4	5339.9	5319.6	5299.7	5259.0	5218.3	5175.0
5°	6077.0	6054.2	6016.3	5978.5	5908.7	5839.1	5768.8	5698.7	5608.8	5519.0	5429.3
7.5°	6690.3	6656.9	6595.0	6533.1	6430.4	6327.8	6213.8	6099.6	5951.3	5803.2	5666.3
10°	7096.0	7063.4	6990.8	6917.8	6797.4	6676.8	6541.9	6406.9	6219.4	6032.0	5851.1
12.5°	7228.7	7210.9	7158.0	7105.0	6996.4	6887.6	6741.3	6595.0	6389.0	6183.3	5978.3
15°	7083.5	7102.3	7100.5	7098.5	7030.2	6961.9	6835.7	6709.4	6494.8	6280.2	6057.7
17.5°	6723.4	6793.6	6870.2	6946.7	6945.6	6944.3	6859.0	6773.7	6556.0	6338.4	6095.8
20°	6263.3	6386.5	6555.5	6724.5	6814.4	6904.2	6874.3	6844.6	6618.4	6392.1	6125.5
22.5°	5825.5	5979.4	6228.1	6476.8	6662.9	6848.9	6887.9	6926.8	6695.8	6464.5	6165.6
25°	5456.1	5617.9	5919.9	6221.9	6504.4	6786.9	6909.8	7032.7	6806.2	6579.9	6238.2
27.5°	5159.8	5319.1	5653.8	5988.6	6362.6	6736.8	6956.8	7176.5	6960.6	6744.4	6351.6
30°	4948.7	5096.3	5445.1	5793.8	6254.4	6715.1	7042.6	7370.4	7161.6	6953.0	6498.6
32.5°	4888.1	5004.0	5331.7	5659.5	6180.6	6701.9	7150.4	7599.1	7392.4	7186.0	6651.9
35°	5210.8	5237.8	5465.3	5693.0	6235.9	6779.0	7327.9	7877.1	7679.3	7481.4	6826.6
37.5°	6160.2	6036.5	6051.3	6066.1	6559.6	7053.2	7699.2	8345.1	8092.9	7840.6	7022.4
40°	7732.1	7431.5	7172.3	6913.2	7280.3	7647.3	8349.9	9052.4	8684.8	8317.2	7270.8
42.5°	9850.5	9303.5	8738.5	8173.5	8384.9	8596.3	9293.4	9990.4	9459.7	8929.1	7596.0
45°	12418.8	11520.2	10614.8	9709.5	9803.0	9896.2	10522.5	11148.6	10432.9	9717.1	8023.7
47.5°	15268.1	13952.5	12646.9	11340.9	11359.9	11378.7	11988.1	12597.1	11589.8	10582.2	8479.4
50°	18100.1	16363.5	14680.6	12997.5	12994.2	12991.1	13743.3	14495.8	12977.1	11458.2	8902.2
52.5°	20838.1	18689.5	16679.1	14668.8	14761.0	14853.2	15764.1	16675.2	14434.3	12193.4	9176.8
55°	23513.2	20951.7	18714.4	16477.0	16836.1	17195.2	18095.4	18995.5	15726.3	12457.2	9116.3
57.5°	26104.7	23203.4	20944.2	18684.9	19405.1	20125.4	20615.7	21105.9	16641.9	12177.9	8690.5
60°	29497.6	26391.3	24253.3	22115.3	23009.8	23904.2	23142.8	22381.4	16870.7	11359.9	7897.9
62.5°	32565.2	29609.9	27651.1	25692.6	25793.6	25894.4	23814.0	21733.7	15907.2	10080.8	6826.3
65°	32958.8	30093.1	27603.9	25114.9	24728.7	24342.4	22389.9	20437.4	14543.9	8650.6	5732.8
67.5°	30841.1	27963.1	25370.0	22776.6	22595.6	22414.5	20557.5	18700.5	12921.7	7142.8	4661.8
70°	27930.4	25453.7	23134.8	20815.6	20734.5	20653.5	18633.6	16613.7	11151.5	5689.2	3670.5
72.5°	24363.0	22508.1	20693.6	18879.2	18821.2	18762.9	16444.9	14127.0	9232.4	4338.0	2806.1
75°	20339.1	19033.3	17621.6	16210.0	15994.6	15779.2	13380.2	10981.2	7032.6	3083.9	2036.7
77.5°	16013.7	15087.7	14014.5	12941.3	12633.1	12324.8	10085.3	7846.0	4922.2	1998.4	1380.1
80°	11776.2	11289.9	10479.8	9669.2	9286.1	8903.0	7019.2	5135.1	3171.2	1207.4	889.2
82.5°	7735.9	7532.9	6975.1	6417.2	5989.1	5561.1	4273.0	2985.0	1835.5	686.0	546.8
85°	4440.3	4325.2	3867.0	3408.6	3044.6	2680.6	1996.9	1313.3	825.6	338.1	292.3
87.5°	1740.6	1730.7	1501.5	1272.3	1069.2	866.1	636.3	406.6	270.4	134.3	121.3
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°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	5131.9	5088.4	5044.9	5003.3	4961.7	4921.4	4876.6	4840.3	4804.2	4771.5	4739.0
5°	5339.9	5249.7	5159.7	5075.6	4991.4	4912.0	4833.5	4765.0	4696.3	4638.9	4581.6
7.5°	5529.4	5396.1	5262.8	5145.3	5027.9	4919.5	4818.0	4726.9	4635.9	4560.2	4484.6
10°	5670.3	5508.5	5346.3	5207.5	5068.3	4934.7	4825.6	4729.5	4633.4	4557.8	4482.1
12.5°	5773.3	5582.4	5391.4	5234.2	5077.0	4936.6	4835.0	4756.3	4678.1	4627.8	4577.9
15°	5835.3	5615.5	5395.5	5213.6	5031.7	4876.0	4794.7	4757.1	4719.6	4726.5	4733.2
17.5°	5853.2	5597.8	5342.6	5123.8	4904.9	4722.0	4671.8	4685.6	4699.2	4781.7	4864.1
20°	5858.8	5549.5	5240.1	4968.9	4697.7	4484.6	4471.4	4535.6	4600.0	4743.1	4886.5
22.5°	5866.4	5490.1	5113.7	4787.2	4460.6	4218.0	4243.9	4339.0	4434.2	4597.5	4761.2
25°	5896.2	5431.5	4966.8	4584.2	4201.9	3953.2	4023.2	4132.9	4242.6	4389.5	4536.6
27.5°	5958.6	5392.3	4825.9	4398.8	3971.6	3745.2	3830.3	3936.2	4042.1	4162.9	4283.6
30°	6044.1	5374.0	4703.4	4243.7	3784.0	3594.0	3660.7	3744.6	3829.0	3929.2	4029.4
32.5°	6117.9	5351.2	4584.2	4109.9	3635.6	3482.3	3512.1	3561.8	3611.5	3691.5	3771.7
35°	6171.9	5308.5	4445.4	3978.5	3511.6	3384.0	3371.7	3385.4	3399.1	3460.2	3521.1
37.5°	6204.1	5235.3	4266.6	3823.9	3381.2	3269.6	3224.6	3209.5	3194.3	3238.2	3281.9
40°	6224.3	5134.5	4045.0	3639.3	3233.7	3132.5	3063.5	3029.3	2995.0	3026.6	3058.2
42.5°	6262.7	5030.5	3798.8	3435.6	3072.5	2979.4	2892.3	2846.9	2801.5	2827.3	2853.2
45°	6330.3	4933.9	3537.8	3219.3	2900.9	2806.3	2722.2	2677.9	2633.8	2655.4	2677.3
47.5°	6376.6	4854.1	3331.7	3048.1	2764.7	2642.8	2570.3	2533.2	2496.2	2516.6	2536.9
50°	6346.3	4767.1	3188.0	2934.5	2681.1	2520.8	2436.6	2403.7	2371.0	2402.8	2434.7
52.5°	6160.0	4620.2	3080.5	2859.6	2639.0	2454.6	2336.9	2304.4	2272.1	2319.9	2367.5
55°	5775.3	4376.6	2978.0	2805.3	2632.7	2461.2	2284.0	2232.6	2181.3	2249.2	2316.9
57.5°	5203.2	4033.2	2863.0	2741.1	2619.1	2467.8	2252.2	2177.3	2102.5	2175.5	2248.4
60°	4436.0	3587.3	2738.6	2642.8	2546.8	2447.0	2222.3	2125.3	2028.2	2092.2	2156.2
62.5°	3571.8	3053.7	2535.5	2471.8	2408.2	2395.9	2187.6	2066.2	1944.9	1985.6	2026.2
65°	2815.4	2573.5	2331.7	2301.5	2271.5	2273.0	2114.2	1985.2	1856.1	1871.8	1887.2
67.5°	2180.8	2112.1	2043.2	2060.1	2076.8	2072.5	1983.3	1876.0	1768.5	1763.6	1758.7
70°	1651.8	1671.5	1690.9	1768.8	1846.6	1846.6	1817.3	1740.9	1664.5	1647.5	1630.5
72.5°	1274.2	1333.4	1392.8	1503.2	1613.5	1632.0	1632.3	1579.9	1527.6	1502.6	1477.8
75°	989.4	1043.1	1096.9	1220.5	1344.2	1429.7	1422.4	1382.1	1341.7	1317.8	1293.9
77.5°	761.7	798.2	834.9	955.0	1075.0	1216.0	1212.2	1179.8	1147.5	1123.3	1099.1
80°	571.1	586.2	601.4	703.0	804.6	972.9	972.4	945.4	918.1	897.9	877.4
82.5°	408.1	410.7	413.8	488.6	563.5	707.2	715.1	701.9	688.7	674.3	660.0
85°	246.8	245.5	244.0	298.8	353.6	460.4	470.9	456.6	442.5	426.4	410.3
87.5°	108.1	106.8	105.5	127.8	150.4	194.7	208.0	202.3	196.7	193.6	190.6
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: P968965

CATALOG NUMBER: NAV-SB5C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	4710.4	4681.8	4653.1	4624.5	4602.5	4580.1	4562.2	4544.1	4530.2	4516.2	4503.3
5°	4530.9	4480.3	4434.3	4388.1	4352.8	4317.2	4292.5	4267.7	4250.1	4232.5	4219.1
7.5°	4420.8	4357.0	4300.6	4244.4	4202.3	4160.3	4130.8	4101.3	4081.0	4061.0	4048.9
10°	4413.4	4344.7	4281.3	4218.0	4167.6	4117.2	4084.2	4051.0	4031.8	4012.8	4002.5
12.5°	4523.7	4470.0	4404.4	4339.0	4274.7	4210.4	4167.9	4125.3	4103.9	4082.8	4074.1
15°	4719.3	4705.3	4648.4	4591.5	4500.0	4408.4	4343.7	4279.1	4249.3	4219.8	4208.5
17.5°	4908.0	4951.7	4905.8	4859.9	4738.8	4617.5	4522.2	4426.9	4383.0	4339.0	4324.6
20°	4978.1	5069.9	5048.7	5027.3	4888.7	4750.3	4633.4	4516.8	4460.6	4404.2	4386.3
22.5°	4880.5	5000.0	5012.8	5025.5	4893.0	4760.7	4640.4	4519.9	4460.8	4401.3	4381.6
25°	4654.0	4771.5	4815.3	4859.0	4750.5	4642.1	4535.1	4428.4	4377.0	4325.7	4307.0
27.5°	4377.8	4472.0	4520.8	4569.7	4492.4	4415.2	4332.2	4249.1	4214.7	4180.2	4171.6
30°	4107.5	4185.8	4225.6	4265.2	4206.4	4147.5	4088.0	4028.2	4010.7	3992.9	3992.9
32.5°	3846.5	3921.6	3965.7	4009.9	3955.9	3901.6	3854.1	3806.6	3795.2	3783.6	3785.1
35°	3595.3	3669.6	3722.5	3775.5	3736.8	3698.5	3654.6	3611.0	3593.3	3575.9	3572.1
37.5°	3355.8	3430.0	3495.4	3560.8	3543.0	3525.3	3485.0	3444.5	3412.5	3380.8	3363.9
40°	3129.6	3201.2	3276.4	3351.9	3356.3	3360.4	3326.1	3291.9	3245.4	3199.2	3167.9
42.5°	2920.9	2988.8	3070.1	3151.5	3173.2	3194.9	3166.0	3137.2	3079.5	3021.9	2976.3
45°	2741.7	2805.9	2890.3	2974.7	3005.8	3037.0	3010.9	2985.0	2919.0	2853.2	2799.7
47.5°	2599.8	2662.5	2745.8	2829.0	2864.9	2900.9	2882.7	2864.6	2805.9	2747.3	2697.8
50°	2494.1	2553.3	2627.8	2702.3	2748.4	2794.6	2793.4	2792.7	2745.8	2698.9	2653.1
52.5°	2422.1	2476.3	2545.7	2615.3	2669.9	2724.7	2734.4	2744.2	2706.1	2667.9	2626.9
55°	2375.5	2434.2	2495.1	2555.7	2613.6	2671.7	2685.3	2698.9	2665.6	2632.3	2596.4
57.5°	2317.3	2386.1	2446.3	2506.5	2565.0	2623.3	2637.0	2650.9	2617.2	2583.5	2547.9
60°	2235.2	2314.2	2375.3	2436.6	2495.3	2553.9	2569.0	2584.1	2551.2	2518.5	2481.8
62.5°	2118.4	2210.6	2275.9	2341.1	2394.8	2448.5	2463.1	2477.6	2447.9	2418.3	2379.6
65°	1985.9	2084.8	2147.3	2209.7	2256.9	2304.2	2319.2	2333.9	2305.3	2276.8	2239.3
67.5°	1849.8	1941.1	2000.4	2059.3	2100.2	2141.0	2155.6	2169.9	2143.7	2117.5	2082.8
70°	1710.6	1790.8	1841.8	1893.0	1929.8	1966.7	1980.7	1994.6	1973.3	1951.9	1918.7
72.5°	1541.0	1604.0	1650.1	1696.3	1732.4	1768.5	1785.1	1801.7	1784.0	1766.3	1734.5
75°	1340.7	1387.6	1429.5	1471.2	1504.1	1537.0	1554.4	1571.8	1563.1	1554.4	1527.8
77.5°	1137.2	1175.3	1211.2	1247.1	1281.8	1316.2	1332.4	1348.7	1336.6	1324.1	1297.2
80°	909.2	940.7	971.1	1001.3	1027.6	1053.7	1075.2	1096.9	1091.5	1086.4	1050.3
82.5°	657.3	654.7	644.1	633.4	689.5	745.5	782.2	818.8	816.5	814.1	783.6
85°	396.8	382.9	353.6	324.3	376.7	429.3	474.7	520.1	516.3	512.5	488.6
87.5°	190.0	189.5	167.2	144.6	166.6	188.7	207.0	225.4	220.9	216.0	203.9
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: P968965

CATALOG NUMBER: NAV-SB5C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	4490.3	4474.2	4490.3	4503.3	4516.2	4530.2	4544.1	4562.2	4580.1	4602.5	4624.5
5°	4205.7	4192.5	4205.7	4219.1	4232.5	4250.1	4267.7	4292.5	4317.2	4352.8	4388.1
7.5°	4037.0	4027.9	4037.0	4048.9	4061.0	4081.0	4101.3	4130.8	4160.3	4202.3	4244.4
10°	3992.4	3988.2	3992.4	4002.5	4012.8	4031.8	4051.0	4084.2	4117.2	4167.6	4218.0
12.5°	4065.4	4063.8	4065.4	4074.1	4082.8	4103.9	4125.3	4167.9	4210.4	4274.7	4339.0
15°	4197.2	4196.2	4197.2	4208.5	4219.8	4249.3	4279.1	4343.7	4408.4	4500.0	4591.5
17.5°	4310.0	4307.8	4310.0	4324.6	4339.0	4383.0	4426.9	4522.2	4617.5	4738.8	4859.9
20°	4368.3	4362.6	4368.3	4386.3	4404.2	4460.6	4516.8	4633.4	4750.3	4888.7	5027.3
22.5°	4361.7	4353.2	4361.7	4381.6	4401.3	4460.8	4519.9	4640.4	4760.7	4893.0	5025.5
25°	4288.5	4277.5	4288.5	4307.0	4325.7	4377.0	4428.4	4535.1	4642.1	4750.5	4859.0
27.5°	4163.1	4160.3	4163.1	4171.6	4180.2	4214.7	4249.1	4332.2	4415.2	4492.4	4569.7
30°	3992.9	3995.8	3992.9	3992.9	3992.9	4010.7	4028.2	4088.0	4147.5	4206.4	4265.2
32.5°	3786.8	3789.6	3786.8	3785.1	3783.6	3795.2	3806.6	3854.1	3901.6	3955.9	4009.9
35°	3568.4	3566.5	3568.4	3572.1	3575.9	3593.3	3611.0	3654.6	3698.5	3736.8	3775.5
37.5°	3347.1	3337.7	3347.1	3363.9	3380.8	3412.5	3444.5	3485.0	3525.3	3543.0	3560.8
40°	3136.8	3118.4	3136.8	3167.9	3199.2	3245.4	3291.9	3326.1	3360.4	3356.3	3351.9
42.5°	2930.8	2900.9	2930.8	2976.3	3021.9	3079.5	3137.2	3166.0	3194.9	3173.2	3151.5
45°	2746.2	2711.7	2746.2	2799.7	2853.2	2919.0	2985.0	3010.9	3037.0	3005.8	2974.7
47.5°	2648.4	2615.3	2648.4	2697.8	2747.3	2805.9	2864.6	2882.7	2900.9	2864.9	2829.0
50°	2607.4	2575.6	2607.4	2653.1	2698.9	2745.8	2792.7	2793.4	2794.6	2748.4	2702.3
52.5°	2586.0	2556.7	2586.0	2626.9	2667.9	2706.1	2744.2	2734.4	2724.7	2669.9	2615.3
55°	2560.4	2534.0	2560.4	2596.4	2632.3	2665.6	2698.9	2685.3	2671.7	2613.6	2555.7
57.5°	2512.3	2484.8	2512.3	2547.9	2583.5	2617.2	2650.9	2637.0	2623.3	2565.0	2506.5
60°	2445.1	2416.7	2445.1	2481.8	2518.5	2551.2	2584.1	2569.0	2553.9	2495.3	2436.6
62.5°	2341.1	2307.1	2341.1	2379.6	2418.3	2447.9	2477.6	2463.1	2448.5	2394.8	2341.1
65°	2202.1	2172.8	2202.1	2239.3	2276.8	2305.3	2333.9	2319.2	2304.2	2256.9	2209.7
67.5°	2048.0	2021.5	2048.0	2082.8	2117.5	2143.7	2169.9	2155.6	2141.0	2100.2	2059.3
70°	1885.4	1855.1	1885.4	1918.7	1951.9	1973.3	1994.6	1980.7	1966.7	1929.8	1893.0
72.5°	1702.8	1673.6	1702.8	1734.5	1766.3	1784.0	1801.7	1785.1	1768.5	1732.4	1696.3
75°	1501.1	1473.1	1501.1	1527.8	1554.4	1563.1	1571.8	1554.4	1537.0	1504.1	1471.2
77.5°	1270.4	1248.0	1270.4	1297.2	1324.1	1336.6	1348.7	1332.4	1316.2	1281.8	1247.1
80°	1013.9	972.0	1013.9	1050.3	1086.4	1091.5	1096.9	1075.2	1053.7	1027.6	1001.3
82.5°	753.0	726.1	753.0	783.6	814.1	816.5	818.8	782.2	745.5	689.5	633.4
85°	464.8	440.6	464.8	488.6	512.5	516.3	520.1	474.7	429.3	376.7	324.3
87.5°	191.4	179.7	191.4	203.9	216.0	220.9	225.4	207.0	188.7	166.6	144.6
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: P968965

CATALOG NUMBER: NAV-SB5C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	4653.1	4681.8	4710.4	4739.0	4771.5	4804.2	4840.3	4876.6	4921.4	4961.7	5003.3
5°	4434.3	4480.3	4530.9	4581.6	4638.9	4696.3	4765.0	4833.5	4912.0	4991.4	5075.6
7.5°	4300.6	4357.0	4420.8	4484.6	4560.2	4635.9	4726.9	4818.0	4919.5	5027.9	5145.3
10°	4281.3	4344.7	4413.4	4482.1	4557.8	4633.4	4729.5	4825.6	4934.7	5068.3	5207.5
12.5°	4404.4	4470.0	4523.7	4577.9	4627.8	4678.1	4756.3	4835.0	4936.6	5077.0	5234.2
15°	4648.4	4705.3	4719.3	4733.2	4726.5	4719.6	4757.1	4794.7	4876.0	5031.7	5213.6
17.5°	4905.8	4951.7	4908.0	4864.1	4781.7	4699.2	4685.6	4671.8	4722.0	4904.9	5123.8
20°	5048.7	5069.9	4978.1	4886.5	4743.1	4600.0	4535.6	4471.4	4484.6	4697.7	4968.9
22.5°	5012.8	5000.0	4880.5	4761.2	4597.5	4434.2	4339.0	4243.9	4218.0	4460.6	4787.2
25°	4815.3	4771.5	4654.0	4536.6	4389.5	4242.6	4132.9	4023.2	3953.2	4201.9	4584.2
27.5°	4520.8	4472.0	4377.8	4283.6	4162.9	4042.1	3936.2	3830.3	3745.2	3971.6	4398.8
30°	4225.6	4185.8	4107.5	4029.4	3929.2	3829.0	3744.6	3660.7	3594.0	3784.0	4243.7
32.5°	3965.7	3921.6	3846.5	3771.7	3691.5	3611.5	3561.8	3512.1	3482.3	3635.6	4109.9
35°	3722.5	3669.6	3595.3	3521.1	3460.2	3399.1	3385.4	3371.7	3384.0	3511.6	3978.5
37.5°	3495.4	3430.0	3355.8	3281.9	3238.2	3194.3	3209.5	3224.6	3269.6	3381.2	3823.9
40°	3276.4	3201.2	3129.6	3058.2	3026.6	2995.0	3029.3	3063.5	3132.5	3233.7	3639.3
42.5°	3070.1	2988.8	2920.9	2853.2	2827.3	2801.5	2846.9	2892.3	2979.4	3072.5	3435.6
45°	2890.3	2805.9	2741.7	2677.3	2655.4	2633.8	2677.9	2722.2	2806.3	2900.9	3219.3
47.5°	2745.8	2662.5	2599.8	2536.9	2516.6	2496.2	2533.2	2570.3	2642.8	2764.7	3048.1
50°	2627.8	2553.3	2494.1	2434.7	2402.8	2371.0	2403.7	2436.6	2520.8	2681.1	2934.5
52.5°	2545.7	2476.3	2422.1	2367.5	2319.9	2272.1	2304.4	2336.9	2454.6	2639.0	2859.6
55°	2495.1	2434.2	2375.5	2316.9	2249.2	2181.3	2232.6	2284.0	2461.2	2632.7	2805.3
57.5°	2446.3	2386.1	2317.3	2248.4	2175.5	2102.5	2177.3	2252.2	2467.8	2619.1	2741.1
60°	2375.3	2314.2	2235.2	2156.2	2092.2	2028.2	2125.3	2222.3	2447.0	2546.8	2642.8
62.5°	2275.9	2210.6	2118.4	2026.2	1985.6	1944.9	2066.2	2187.6	2395.9	2408.2	2471.8
65°	2147.3	2084.8	1985.9	1887.2	1871.8	1856.1	1985.2	2114.2	2273.0	2271.5	2301.5
67.5°	2000.4	1941.1	1849.8	1758.7	1763.6	1768.5	1876.0	1983.3	2072.5	2076.8	2060.1
70°	1841.8	1790.8	1710.6	1630.5	1647.5	1664.5	1740.9	1817.3	1846.6	1846.6	1768.8
72.5°	1650.1	1604.0	1541.0	1477.8	1502.6	1527.6	1579.9	1632.3	1632.0	1613.5	1503.2
75°	1429.5	1387.6	1340.7	1293.9	1317.8	1341.7	1382.1	1422.4	1429.7	1344.2	1220.5
77.5°	1211.2	1175.3	1137.2	1099.1	1123.3	1147.5	1179.8	1212.2	1216.0	1075.0	955.0
80°	971.1	940.7	909.2	877.4	897.9	918.1	945.4	972.4	972.9	804.6	703.0
82.5°	644.1	654.7	657.3	660.0	674.3	688.7	701.9	715.1	707.2	563.5	488.6
85°	353.6	382.9	396.8	410.3	426.4	442.5	456.6	470.9	460.4	353.6	298.8
87.5°	167.2	189.5	190.0	190.6	193.6	196.7	202.3	208.0	194.7	150.4	127.8
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: P968965

CATALOG NUMBER: NAV-SB5C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1	4928.1
2.5°	5044.9	5088.4	5131.9	5175.0	5218.3	5259.0	5299.7
5°	5159.7	5249.7	5339.9	5429.3	5519.0	5608.8	5698.7
7.5°	5262.8	5396.1	5529.4	5666.3	5803.2	5951.3	6099.6
10°	5346.3	5508.5	5670.3	5851.1	6032.0	6219.4	6406.9
12.5°	5391.4	5582.4	5773.3	5978.3	6183.3	6389.0	6595.0
15°	5395.5	5615.5	5835.3	6057.7	6280.2	6494.8	6709.4
17.5°	5342.6	5597.8	5853.2	6095.8	6338.4	6556.0	6773.7
20°	5240.1	5549.5	5858.8	6125.5	6392.1	6618.4	6844.6
22.5°	5113.7	5490.1	5866.4	6165.6	6464.5	6695.8	6926.8
25°	4966.8	5431.5	5896.2	6238.2	6579.9	6806.2	7032.7
27.5°	4825.9	5392.3	5958.6	6351.6	6744.4	6960.6	7176.5
30°	4703.4	5374.0	6044.1	6498.6	6953.0	7161.6	7370.4
32.5°	4584.2	5351.2	6117.9	6651.9	7186.0	7392.4	7599.1
35°	4445.4	5308.5	6171.9	6826.6	7481.4	7679.3	7877.1
37.5°	4266.6	5235.3	6204.1	7022.4	7840.6	8092.9	8345.1
40°	4045.0	5134.5	6224.3	7270.8	8317.2	8684.8	9052.4
42.5°	3798.8	5030.5	6262.7	7596.0	8929.1	9459.7	9990.4
45°	3537.8	4933.9	6330.3	8023.7	9717.1	10432.9	11148.6
47.5°	3331.7	4854.1	6376.6	8479.4	10582.2	11589.8	12597.1
50°	3188.0	4767.1	6346.3	8902.2	11458.2	12977.1	14495.8
52.5°	3080.5	4620.2	6160.0	9176.8	12193.4	14434.3	16675.2
55°	2978.0	4376.6	5775.3	9116.3	12457.2	15726.3	18995.5
57.5°	2863.0	4033.2	5203.2	8690.5	12177.9	16641.9	21105.9
60°	2738.6	3587.3	4436.0	7897.9	11359.9	16870.7	22381.4
62.5°	2535.5	3053.7	3571.8	6826.3	10080.8	15907.2	21733.7
65°	2331.7	2573.5	2815.4	5732.8	8650.6	14543.9	20437.4
67.5°	2043.2	2112.1	2180.8	4661.8	7142.8	12921.7	18700.5
70°	1690.9	1671.5	1651.8	3670.5	5689.2	11151.5	16613.7
72.5°	1392.8	1333.4	1274.2	2806.1	4338.0	9232.4	14127.0
75°	1096.9	1043.1	989.4	2036.7	3083.9	7032.6	10981.2
77.5°	834.9	798.2	761.7	1380.1	1998.4	4922.2	7846.0
80°	601.4	586.2	571.1	889.2	1207.4	3171.2	5135.1
82.5°	413.8	410.7	408.1	546.8	686.0	1835.5	2985.0
85°	244.0	245.5	246.8	292.3	338.1	825.6	1313.3
87.5°	105.5	106.8	108.1	121.3	134.3	270.4	406.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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