

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: P966702

Luminaire Tested: **NAV-SB4C-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P966702
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-SB4C-740-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32432 lumens
Efficiency: N/A
Efficacy: 161.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 200.7
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



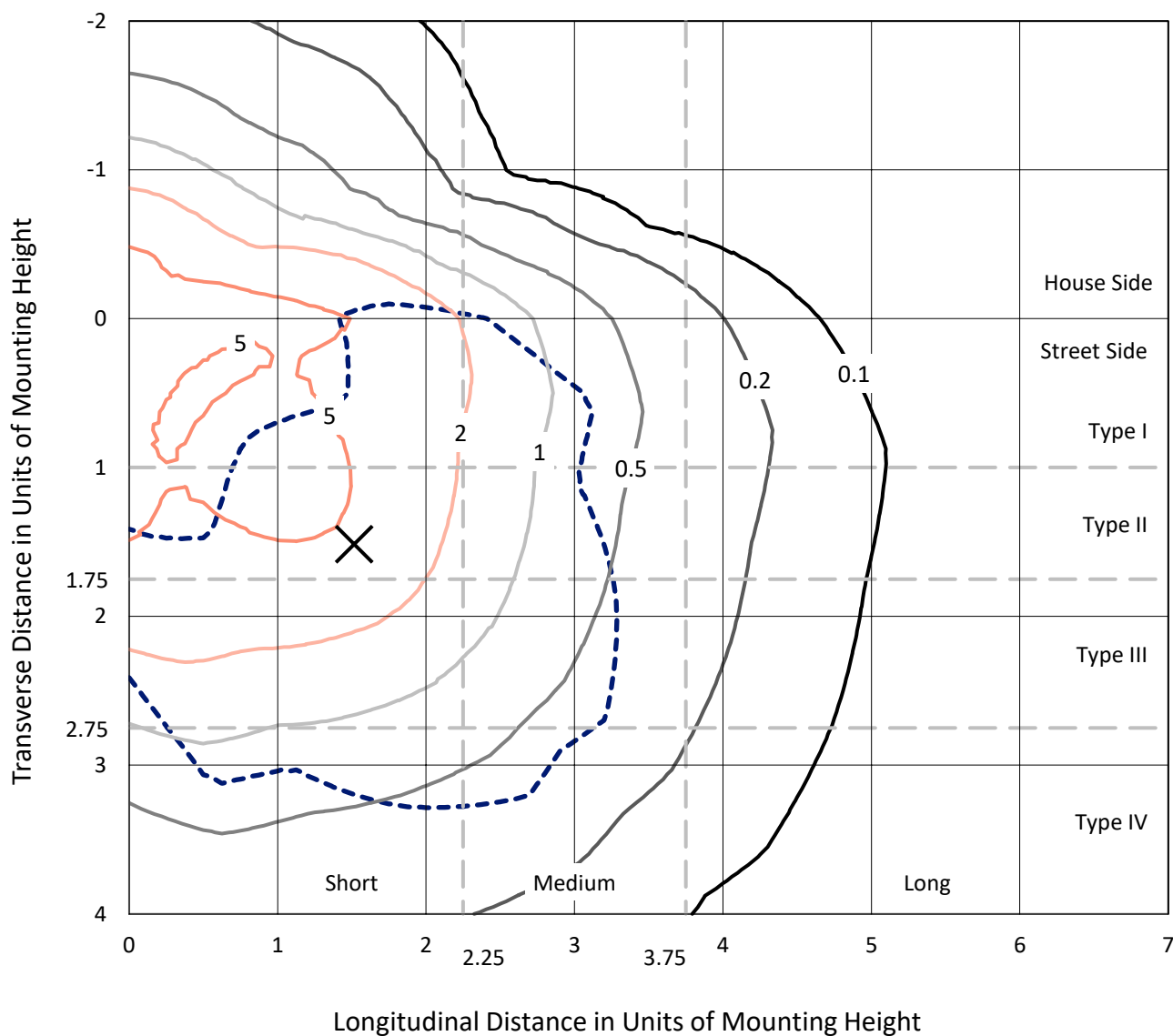
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

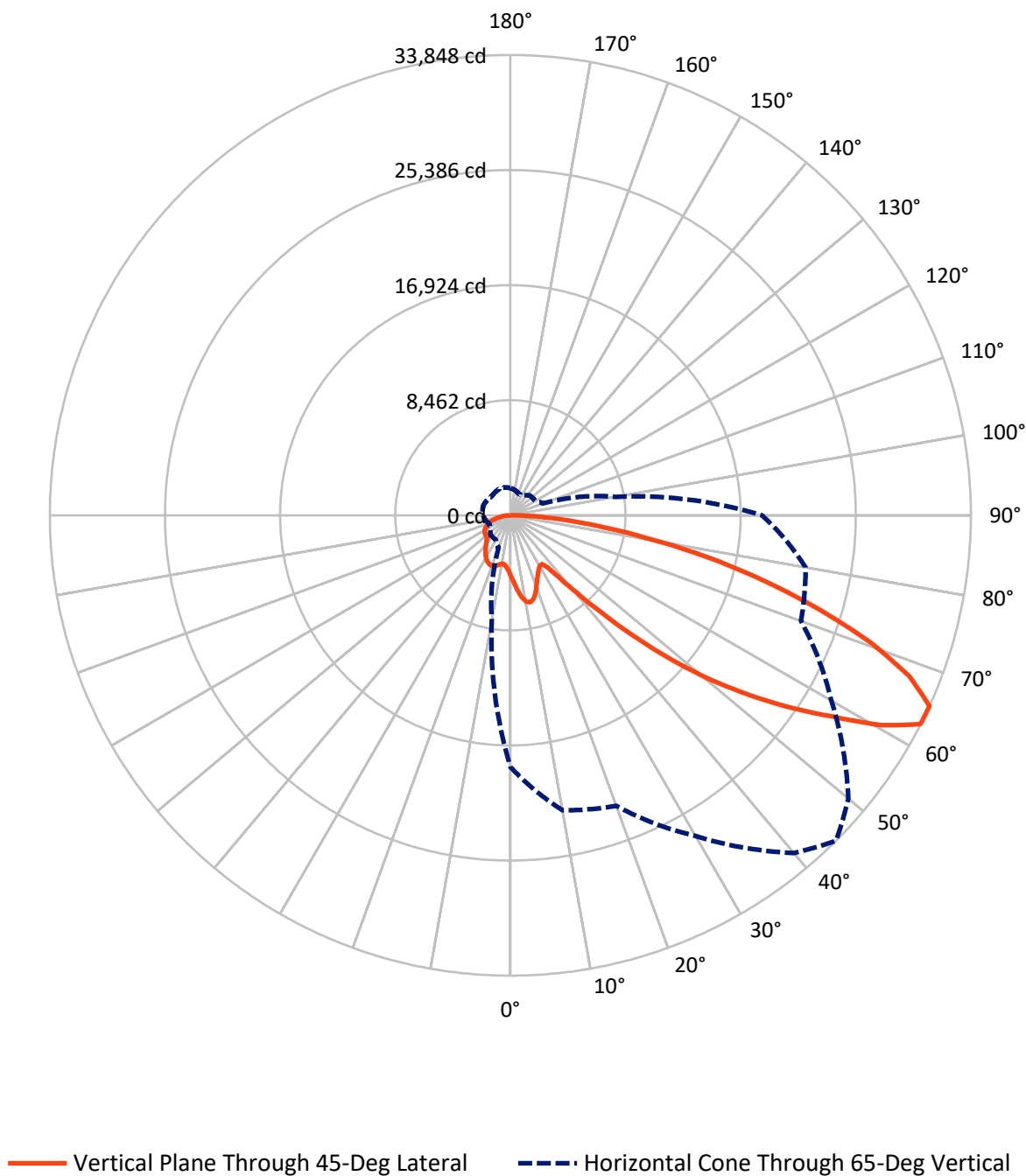


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc

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	8242.6	0.0	8242.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24189.4	0.0	24189.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	32432.0	0.0	32432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	1.4
10°-20°	1388.8	4.3
20°-30°	2145.2	6.6
30°-40°	2718.5	8.4
40°-50°	4100.2	12.6
50°-60°	6624.4	20.4
60°-70°	8258.4	25.5
70°-80°	5415.4	16.7
80°-90°	1338.8	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°	32432.0	100.0
0°-180°	32432.0	100.0

Coefficient of Utilization



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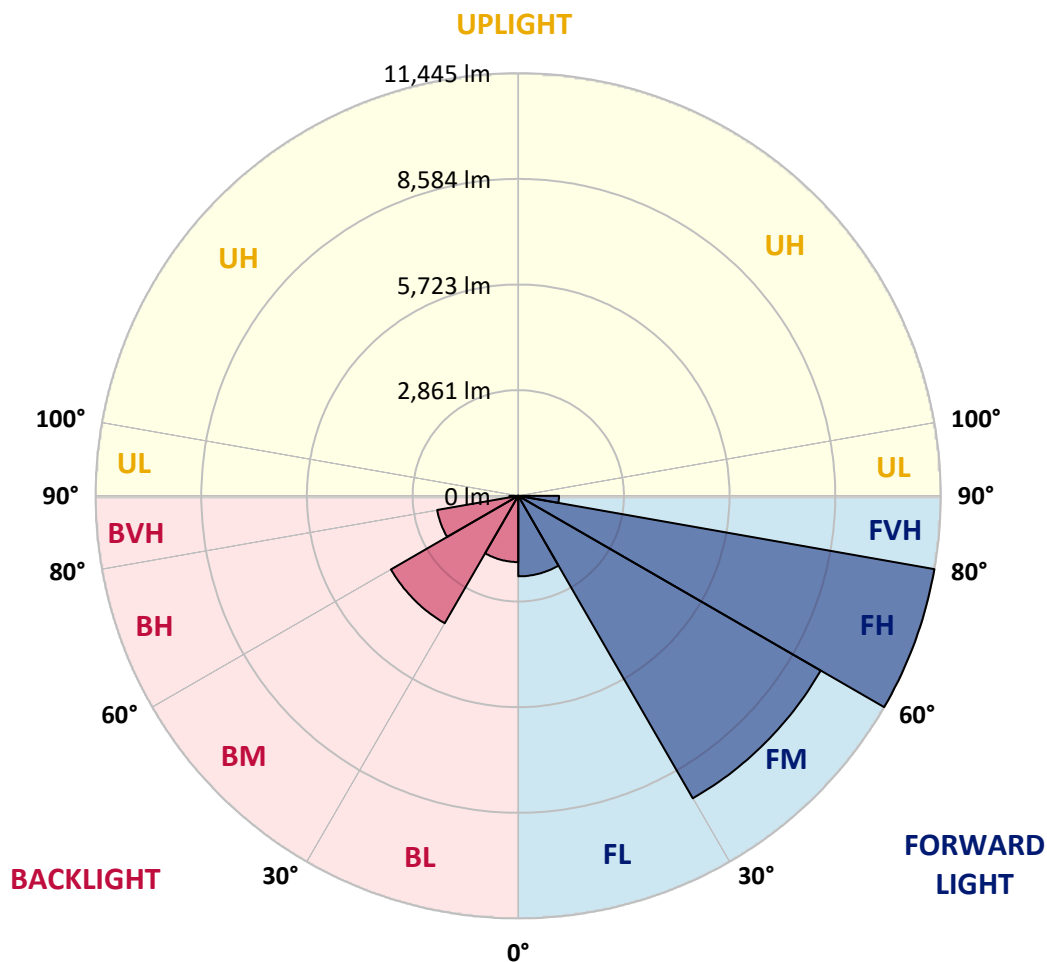
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2181.4	6.7			
FM	(30°-60°)	9459.7	29.2			
FH	(60°-80°)	11445.4	35.3			G4/12000
FVH	(80°-90°)	1102.9	3.4			G5
BL	(0°-30°)	1794.9	5.5	B3/2500		
BM	(30°-60°)	3983.3	12.3	B3/5000		
BH	(60°-80°)	2228.4	6.9	B3/2500		G3/2500
BVH	(80°-90°)	235.9	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°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4796.0	4814.1	4832.4	4858.3	4884.1	4899.5	4914.9	4922.6	4930.2	4926.9	4930.2
5°	5157.1	5220.5	5284.2	5347.2	5410.4	5444.5	5478.7	5499.4	5520.3	5536.1	5520.3
7.5°	5519.8	5623.3	5726.4	5819.3	5912.2	5968.2	6024.1	6054.5	6084.6	6099.2	6084.6
10°	5797.9	5920.1	6042.3	6151.3	6260.3	6326.4	6392.1	6421.5	6450.8	6461.9	6450.8
12.5°	5968.2	6100.7	6232.9	6331.5	6429.7	6477.7	6525.6	6541.7	6557.7	6559.5	6557.7
15°	6071.7	6186.1	6300.2	6362.0	6423.9	6425.6	6427.4	6410.2	6393.1	6372.9	6393.1
17.5°	6129.9	6207.1	6284.3	6285.5	6286.5	6217.2	6147.8	6084.4	6020.7	5976.0	6020.7
20°	6194.1	6220.9	6248.0	6166.7	6085.4	5932.4	5779.5	5668.0	5556.6	5488.2	5556.6
22.5°	6268.5	6233.3	6198.1	6029.7	5861.3	5636.2	5411.2	5271.9	5132.6	5056.9	5132.6
25°	6364.3	6253.1	6141.9	5886.3	5630.5	5357.3	5084.0	4937.5	4791.4	4719.8	4791.4
27.5°	6494.4	6295.5	6096.6	5757.8	5419.4	5116.5	4813.6	4669.5	4525.6	4457.9	4525.6
30°	6669.9	6373.2	6076.9	5659.9	5243.1	4927.6	4612.0	4478.3	4344.7	4281.7	4344.7
32.5°	6876.9	6470.8	6064.9	5593.2	5121.6	4825.1	4528.4	4423.6	4318.5	4273.1	4318.5
35°	7128.5	6631.5	6134.7	5643.2	5152.0	4945.8	4740.0	4715.5	4691.0	4687.3	4691.0
37.5°	7552.0	6967.4	6382.9	5936.2	5489.6	5476.2	5462.8	5574.8	5686.7	5744.9	5686.7
40°	8192.1	7556.3	6920.6	6588.4	6256.2	6490.7	6725.1	6997.3	7269.3	7404.8	7269.3
42.5°	9040.9	8410.1	7779.2	7588.0	7396.6	7908.0	8419.3	8914.2	9409.2	9699.7	9409.2
45°	10089.1	9522.5	8955.6	8871.3	8786.7	9606.0	10425.3	11238.5	12051.9	12545.6	12051.9
47.5°	11399.9	10848.7	10297.4	10280.2	10263.1	11444.9	12626.5	13817.0	15007.3	15706.5	15007.3
50°	13118.1	12437.1	11756.3	11759.3	11762.2	13285.2	14808.4	16379.8	17951.3	18901.4	17951.3
52.5°	15090.4	14265.8	13441.5	13358.2	13274.7	15093.9	16913.2	18857.6	20801.9	21940.7	20801.9
55°	17190.2	16375.6	15560.9	15236.0	14911.0	16935.9	18960.4	21278.5	23596.4	24951.0	23596.4
57.5°	19100.0	18656.4	18212.6	17560.8	16909.1	18953.7	20998.1	23623.7	26249.0	27928.6	26249.0
60°	20254.2	20943.2	21632.4	20822.9	20013.4	21948.3	23883.1	26694.1	29505.1	31320.4	29505.1
62.5°	19668.1	21550.7	23433.3	23342.1	23250.8	25023.1	26795.8	29470.2	32144.4	33822.4	32144.4
65°	18495.0	20262.0	22028.9	22378.5	22727.9	24980.4	27233.0	29826.3	32419.4	33848.1	32419.4
67.5°	16923.2	18603.6	20284.2	20448.1	20611.9	22958.8	25305.5	27910.0	30514.5	31633.7	30514.5
70°	15034.7	16862.6	18690.7	18763.9	18837.2	20936.0	23034.6	25275.9	27517.0	28139.1	27517.0
72.5°	12784.4	14881.9	16979.6	17032.3	17084.9	18726.9	20368.9	22047.5	23726.0	23788.9	23726.0
75°	9937.6	12108.5	14279.6	14474.4	14669.4	15946.8	17224.4	18406.0	19587.6	19271.1	19587.6
77.5°	7100.3	9126.8	11153.4	11432.4	11711.3	12682.5	13653.7	14491.8	15329.9	14785.7	15329.9
80°	4647.0	6352.0	8056.9	8403.6	8750.3	9483.7	10216.9	10657.0	11097.1	10221.7	11097.1
82.5°	2701.3	3866.9	5032.6	5419.9	5807.3	6312.2	6817.0	7000.6	7184.1	6496.1	7184.1
85°	1188.5	1807.2	2425.8	2755.2	3084.6	3499.5	3914.1	4018.3	4122.5	3571.5	4122.5
87.5°	368.0	575.8	783.8	967.6	1151.4	1358.7	1566.2	1575.1	1583.8	1329.7	1583.8
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°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4922.6	4914.9	4899.5	4884.1	4858.3	4832.4	4814.1	4796.0	4759.2	4722.4	4683.2
5°	5499.4	5478.7	5444.5	5410.4	5347.2	5284.2	5220.5	5157.1	5075.8	4994.5	4913.3
7.5°	6054.5	6024.1	5968.2	5912.2	5819.3	5726.4	5623.3	5519.8	5385.7	5251.7	5127.8
10°	6421.5	6392.1	6326.4	6260.3	6151.3	6042.3	5920.1	5797.9	5628.4	5458.7	5294.9
12.5°	6541.7	6525.6	6477.7	6429.7	6331.5	6232.9	6100.7	5968.2	5781.8	5595.7	5410.2
15°	6410.2	6427.4	6425.6	6423.9	6362.0	6300.2	6186.1	6071.7	5877.6	5683.3	5482.0
17.5°	6084.4	6147.8	6217.2	6286.5	6285.5	6284.3	6207.1	6129.9	5932.9	5736.0	5516.4
20°	5668.0	5779.5	5932.4	6085.4	6166.7	6248.0	6220.9	6194.1	5989.4	5784.6	5543.3
22.5°	5271.9	5411.2	5636.2	5861.3	6029.7	6198.1	6233.3	6268.5	6059.4	5850.1	5579.6
25°	4937.5	5084.0	5357.3	5630.5	5886.3	6141.9	6253.1	6364.3	6159.3	5954.5	5645.3
27.5°	4669.5	4813.6	5116.5	5419.4	5757.8	6096.6	6295.5	6494.4	6299.0	6103.4	5748.0
30°	4478.3	4612.0	4927.6	5243.1	5659.9	6076.9	6373.2	6669.9	6480.9	6292.2	5880.9
32.5°	4423.6	4528.4	4825.1	5121.6	5593.2	6064.9	6470.8	6876.9	6689.9	6503.0	6019.7
35°	4715.5	4740.0	4945.8	5152.0	5643.2	6134.7	6631.5	7128.5	6949.5	6770.3	6177.9
37.5°	5574.8	5462.8	5476.2	5489.6	5936.2	6382.9	6967.4	7552.0	7323.7	7095.5	6355.0
40°	6997.3	6725.1	6490.7	6256.2	6588.4	6920.6	7556.3	8192.1	7859.4	7526.7	6579.8
42.5°	8914.2	8419.3	7908.0	7396.6	7588.0	7779.2	8410.1	9040.9	8560.7	8080.5	6874.0
45°	11238.5	10425.3	9606.0	8786.7	8871.3	8955.6	9522.5	10089.1	9441.3	8793.6	7261.1
47.5°	13817.0	12626.5	11444.9	10263.1	10280.2	10297.4	10848.7	11399.9	10488.3	9576.5	7673.6
50°	16379.8	14808.4	13285.2	11762.2	11759.3	11756.3	12437.1	13118.1	11743.7	10369.2	8056.2
52.5°	18857.6	16913.2	15093.9	13274.7	13358.2	13441.5	14265.8	15090.4	13062.5	11034.5	8304.7
55°	21278.5	18960.4	16935.9	14911.0	15236.0	15560.9	16375.6	17190.2	14231.6	11273.3	8249.9
57.5°	23623.7	20998.1	18953.7	16909.1	17560.8	18212.6	18656.4	19100.0	15060.2	11020.5	7864.5
60°	26694.1	23883.1	21948.3	20013.4	20822.9	21632.4	20943.2	20254.2	15267.3	10280.2	7147.3
62.5°	29470.2	26795.8	25023.1	23250.8	23342.1	23433.3	21550.7	19668.1	14395.4	9122.7	6177.5
65°	29826.3	27233.0	24980.4	22727.9	22378.5	22028.9	20262.0	18495.0	13161.7	7828.4	5188.0
67.5°	27910.0	25305.5	22958.8	20611.9	20448.1	20284.2	18603.6	16923.2	11693.6	6464.0	4218.7
70°	25275.9	23034.6	20936.0	18837.2	18763.9	18690.7	16862.6	15034.7	10091.6	5148.5	3321.6
72.5°	22047.5	20368.9	18726.9	17084.9	17032.3	16979.6	14881.9	12784.4	8355.0	3925.7	2539.4
75°	18406.0	17224.4	15946.8	14669.4	14474.4	14279.6	12108.5	9937.6	6364.2	2790.8	1843.1
77.5°	14491.8	13653.7	12682.5	11711.3	11432.4	11153.4	9126.8	7100.3	4454.3	1808.5	1249.0
80°	10657.0	10216.9	9483.7	8750.3	8403.6	8056.9	6352.0	4647.0	2869.9	1092.6	804.6
82.5°	7000.6	6817.0	6312.2	5807.3	5419.9	5032.6	3866.9	2701.3	1661.0	620.8	494.9
85°	4018.3	3914.1	3499.5	3084.6	2755.2	2425.8	1807.2	1188.5	747.1	306.0	264.6
87.5°	1575.1	1566.2	1358.7	1151.4	967.6	783.8	575.8	368.0	244.7	121.5	109.7
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°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4644.2	4604.8	4565.5	4527.8	4490.1	4453.7	4413.1	4380.2	4347.6	4318.0	4288.6
5°	4832.4	4750.8	4669.3	4593.1	4517.0	4445.1	4374.1	4312.2	4250.1	4198.0	4146.1
7.5°	5003.8	4883.2	4762.6	4656.3	4550.1	4452.0	4360.0	4277.6	4195.3	4126.9	4058.4
10°	5131.4	4984.9	4838.2	4712.6	4586.7	4465.7	4366.9	4280.0	4193.1	4124.6	4056.1
12.5°	5224.6	5051.8	4879.0	4736.7	4594.6	4467.4	4375.5	4304.3	4233.5	4187.9	4142.7
15°	5280.8	5081.7	4882.7	4718.1	4553.5	4412.6	4339.0	4305.0	4271.1	4277.2	4283.4
17.5°	5296.9	5065.9	4834.8	4636.8	4438.8	4273.1	4227.8	4240.3	4252.6	4327.2	4401.9
20°	5302.0	5022.0	4742.1	4496.7	4251.3	4058.4	4046.4	4104.6	4162.7	4292.3	4422.1
22.5°	5308.9	4968.3	4627.8	4332.2	4036.7	3817.1	3840.6	3926.6	4012.7	4160.6	4308.8
25°	5335.8	4915.3	4494.7	4148.6	3802.5	3577.5	3640.8	3740.1	3839.3	3972.3	4105.4
27.5°	5392.3	4879.8	4367.3	3980.7	3594.1	3389.3	3466.2	3562.1	3657.9	3767.3	3876.4
30°	5469.7	4863.2	4256.4	3840.4	3424.3	3252.3	3312.8	3388.8	3465.1	3555.7	3646.4
32.5°	5536.4	4842.7	4148.6	3719.4	3290.0	3151.4	3178.2	3223.2	3268.3	3340.7	3413.2
35°	5585.4	4804.0	4022.9	3600.4	3177.9	3062.4	3051.3	3063.6	3076.1	3131.4	3186.4
37.5°	5614.4	4737.8	3861.1	3460.4	3059.8	2958.9	2918.2	2904.4	2890.7	2930.5	2969.9
40°	5632.8	4646.5	3660.5	3293.4	2926.4	2834.7	2772.3	2741.4	2710.4	2739.0	2767.5
42.5°	5667.5	4552.4	3437.6	3109.1	2780.5	2696.2	2617.4	2576.3	2535.3	2558.6	2582.1
45°	5728.6	4465.0	3201.5	2913.4	2625.1	2539.5	2463.5	2423.4	2383.5	2403.0	2422.9
47.5°	5770.5	4392.7	3015.0	2758.5	2501.9	2391.5	2326.0	2292.5	2258.9	2277.4	2295.7
50°	5743.2	4314.0	2885.0	2655.6	2426.3	2281.1	2205.0	2175.3	2145.6	2174.4	2203.3
52.5°	5574.6	4181.1	2787.7	2587.8	2388.1	2221.3	2114.9	2085.4	2056.1	2099.4	2142.6
55°	5226.4	3960.7	2694.9	2538.7	2382.5	2227.3	2066.9	2020.4	1974.0	2035.4	2096.7
57.5°	4708.6	3649.9	2590.9	2480.5	2370.2	2233.3	2038.2	1970.4	1902.6	1968.7	2034.7
60°	4014.4	3246.4	2478.3	2391.5	2304.8	2214.4	2011.2	1923.3	1835.4	1893.4	1951.2
62.5°	3232.3	2763.4	2294.6	2236.9	2179.4	2168.3	1979.7	1869.8	1760.1	1796.9	1833.6
65°	2547.8	2328.9	2110.1	2082.8	2055.6	2057.0	1913.3	1796.5	1679.7	1693.8	1707.9
67.5°	1973.5	1911.3	1849.1	1864.3	1879.3	1875.6	1794.8	1697.6	1600.4	1595.9	1591.5
70°	1494.9	1512.6	1530.2	1600.7	1671.1	1671.1	1644.6	1575.4	1506.3	1490.9	1475.5
72.5°	1153.1	1206.6	1260.3	1360.3	1460.1	1476.8	1477.2	1429.8	1382.4	1359.8	1337.4
75°	895.3	943.9	992.6	1104.4	1216.4	1293.8	1287.3	1250.8	1214.2	1192.6	1170.9
77.5°	689.3	722.3	755.5	864.2	972.9	1100.3	1097.0	1067.6	1038.4	1016.5	994.7
80°	516.8	530.5	544.2	636.2	728.2	880.5	880.0	855.5	830.9	812.5	794.1
82.5°	369.3	371.7	374.4	442.2	509.9	640.0	647.2	635.2	623.3	610.3	597.3
85°	223.3	222.1	220.8	270.4	320.0	416.7	426.1	413.3	400.5	385.9	371.4
87.5°	97.9	96.7	95.5	115.7	136.0	176.3	188.3	183.1	177.9	175.3	172.5
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: P966702

CATALOG NUMBER: NAV-SB4C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4262.7	4236.8	4210.9	4185.0	4165.0	4144.8	4128.5	4112.3	4099.6	4087.0	4075.3
5°	4100.3	4054.5	4012.9	3971.1	3939.1	3906.9	3884.5	3862.1	3846.2	3830.2	3818.1
7.5°	4000.7	3942.9	3891.8	3841.1	3802.9	3764.9	3738.2	3711.5	3693.2	3675.0	3664.1
10°	3994.0	3931.7	3874.4	3817.1	3771.6	3725.9	3696.0	3666.0	3648.7	3631.4	3622.1
12.5°	4093.8	4045.2	3985.8	3926.6	3868.5	3810.2	3771.7	3733.3	3713.9	3694.7	3686.8
15°	4270.8	4258.1	4206.6	4155.0	4072.2	3989.4	3930.9	3872.3	3845.5	3818.8	3808.5
17.5°	4441.5	4481.1	4439.5	4398.1	4288.4	4178.7	4092.4	4006.2	3966.4	3926.6	3913.6
20°	4505.1	4588.0	4568.8	4549.6	4424.1	4298.8	4193.1	4087.5	4036.7	3985.6	3969.4
22.5°	4416.7	4524.8	4536.3	4547.8	4428.0	4308.3	4199.4	4090.4	4036.9	3983.0	3965.1
25°	4211.7	4318.0	4357.7	4397.2	4299.0	4201.0	4104.1	4007.5	3961.0	3914.7	3897.7
27.5°	3961.7	4046.9	4091.1	4135.4	4065.4	3995.6	3920.4	3845.3	3814.1	3782.9	3775.2
30°	3717.2	3788.0	3824.0	3859.8	3806.6	3753.2	3699.5	3645.4	3629.5	3613.4	3613.4
32.5°	3481.0	3549.0	3588.8	3628.8	3579.9	3530.8	3487.9	3444.9	3434.5	3424.0	3425.3
35°	3253.6	3320.8	3368.8	3416.6	3381.7	3347.0	3307.3	3267.8	3251.8	3236.1	3232.6
37.5°	3036.9	3104.0	3163.1	3222.4	3206.3	3190.2	3153.8	3117.1	3088.2	3059.5	3044.2
40°	2832.2	2897.0	2965.0	3033.3	3037.3	3041.0	3010.0	2979.1	2936.9	2895.2	2866.8
42.5°	2643.3	2704.8	2778.4	2851.9	2871.5	2891.2	2865.1	2839.0	2786.9	2734.7	2693.4
45°	2481.0	2539.2	2615.6	2691.9	2720.1	2748.3	2724.8	2701.3	2641.6	2582.1	2533.6
47.5°	2352.7	2409.6	2484.8	2560.1	2592.6	2625.1	2608.7	2592.3	2539.2	2486.2	2441.3
50°	2257.0	2310.7	2378.0	2445.4	2487.3	2529.0	2528.0	2527.2	2484.8	2442.4	2401.0
52.5°	2191.9	2241.0	2303.8	2366.7	2416.2	2465.6	2474.6	2483.5	2448.9	2414.3	2377.2
55°	2149.7	2202.8	2257.9	2312.8	2365.2	2417.8	2430.1	2442.4	2412.2	2382.1	2349.6
57.5°	2097.0	2159.4	2213.8	2268.3	2321.2	2373.9	2386.4	2398.9	2368.5	2338.0	2305.8
60°	2022.7	2094.3	2149.6	2205.0	2258.1	2311.2	2324.8	2338.5	2308.7	2279.1	2245.9
62.5°	1917.1	2000.5	2059.5	2118.6	2167.2	2215.8	2229.0	2242.2	2215.3	2188.5	2153.5
65°	1797.2	1886.7	1943.2	1999.7	2042.4	2085.3	2098.8	2112.1	2086.3	2060.5	2026.5
67.5°	1674.0	1756.6	1810.3	1863.7	1900.6	1937.6	1950.7	1963.7	1939.9	1916.3	1884.9
70°	1548.1	1620.6	1666.9	1713.0	1746.4	1779.8	1792.4	1805.1	1785.8	1766.4	1736.2
72.5°	1394.5	1451.5	1493.3	1535.0	1567.7	1600.4	1615.5	1630.6	1614.5	1598.4	1569.6
75°	1213.3	1255.7	1293.6	1331.4	1361.2	1390.9	1406.7	1422.4	1414.6	1406.7	1382.5
77.5°	1029.2	1063.5	1096.1	1128.6	1159.9	1191.0	1205.8	1220.5	1209.6	1198.2	1173.9
80°	822.8	851.4	878.7	906.1	929.9	953.6	973.0	992.6	987.8	983.2	950.5
82.5°	594.8	592.4	582.9	573.3	623.9	674.6	707.8	741.0	738.9	736.8	709.2
85°	359.1	346.6	320.0	293.5	340.9	388.5	429.6	470.6	467.2	463.8	442.2
87.5°	172.0	171.5	151.3	130.9	150.8	170.8	187.4	204.0	199.9	195.5	184.5
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: P966702

CATALOG NUMBER: NAV-SB4C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4063.5	4049.0	4063.5	4075.3	4087.0	4099.6	4112.3	4128.5	4144.8	4165.0	4185.0
5°	3805.9	3793.9	3805.9	3818.1	3830.2	3846.2	3862.1	3884.5	3906.9	3939.1	3971.1
7.5°	3653.3	3645.1	3653.3	3664.1	3675.0	3693.2	3711.5	3738.2	3764.9	3802.9	3841.1
10°	3612.9	3609.1	3612.9	3622.1	3631.4	3648.7	3666.0	3696.0	3725.9	3771.6	3817.1
12.5°	3679.0	3677.6	3679.0	3686.8	3694.7	3713.9	3733.3	3771.7	3810.2	3868.5	3926.6
15°	3798.2	3797.4	3798.2	3808.5	3818.8	3845.5	3872.3	3930.9	3989.4	4072.2	4155.0
17.5°	3900.4	3898.4	3900.4	3913.6	3926.6	3966.4	4006.2	4092.4	4178.7	4288.4	4398.1
20°	3953.1	3948.0	3953.1	3969.4	3985.6	4036.7	4087.5	4193.1	4298.8	4424.1	4549.6
22.5°	3947.2	3939.5	3947.2	3965.1	3983.0	4036.9	4090.4	4199.4	4308.3	4428.0	4547.8
25°	3881.0	3871.0	3881.0	3897.7	3914.7	3961.0	4007.5	4104.1	4201.0	4299.0	4397.2
27.5°	3767.5	3764.9	3767.5	3775.2	3782.9	3814.1	3845.3	3920.4	3995.6	4065.4	4135.4
30°	3613.4	3616.0	3613.4	3613.4	3613.4	3629.5	3645.4	3699.5	3753.2	3806.6	3859.8
32.5°	3426.9	3429.4	3426.9	3425.3	3424.0	3434.5	3444.9	3487.9	3530.8	3579.9	3628.8
35°	3229.3	3227.5	3229.3	3232.6	3236.1	3251.8	3267.8	3307.3	3347.0	3381.7	3416.6
37.5°	3029.0	3020.5	3029.0	3044.2	3059.5	3088.2	3117.1	3153.8	3190.2	3206.3	3222.4
40°	2838.7	2821.9	2838.7	2866.8	2895.2	2936.9	2979.1	3010.0	3041.0	3037.3	3033.3
42.5°	2652.2	2625.1	2652.2	2693.4	2734.7	2786.9	2839.0	2865.1	2891.2	2871.5	2851.9
45°	2485.2	2454.1	2485.2	2533.6	2582.1	2641.6	2701.3	2724.8	2748.3	2720.1	2691.9
47.5°	2396.7	2366.7	2396.7	2441.3	2486.2	2539.2	2592.3	2608.7	2625.1	2592.6	2560.1
50°	2359.5	2330.8	2359.5	2401.0	2442.4	2484.8	2527.2	2528.0	2529.0	2487.3	2445.4
52.5°	2340.2	2313.7	2340.2	2377.2	2414.3	2448.9	2483.5	2474.6	2465.6	2416.2	2366.7
55°	2317.1	2293.1	2317.1	2349.6	2382.1	2412.2	2442.4	2430.1	2417.8	2365.2	2312.8
57.5°	2273.4	2248.6	2273.4	2305.8	2338.0	2368.5	2398.9	2386.4	2373.9	2321.2	2268.3
60°	2212.8	2187.0	2212.8	2245.9	2279.1	2308.7	2338.5	2324.8	2311.2	2258.1	2205.0
62.5°	2118.6	2087.8	2118.6	2153.5	2188.5	2215.3	2242.2	2229.0	2215.8	2167.2	2118.6
65°	1992.8	1966.3	1992.8	2026.5	2060.5	2086.3	2112.1	2098.8	2085.3	2042.4	1999.7
67.5°	1853.3	1829.4	1853.3	1884.9	1916.3	1939.9	1963.7	1950.7	1937.6	1900.6	1863.7
70°	1706.2	1678.8	1706.2	1736.2	1766.4	1785.8	1805.1	1792.4	1779.8	1746.4	1713.0
72.5°	1541.1	1514.5	1541.1	1569.6	1598.4	1614.5	1630.6	1615.5	1600.4	1567.7	1535.0
75°	1358.4	1333.1	1358.4	1382.5	1406.7	1414.6	1422.4	1406.7	1390.9	1361.2	1331.4
77.5°	1149.6	1129.4	1149.6	1173.9	1198.2	1209.6	1220.5	1205.8	1191.0	1159.9	1128.6
80°	917.6	879.7	917.6	950.5	983.2	987.8	992.6	973.0	953.6	929.9	906.1
82.5°	681.4	657.1	681.4	709.2	736.8	738.9	741.0	707.8	674.6	623.9	573.3
85°	420.7	398.7	420.7	442.2	463.8	467.2	470.6	429.6	388.5	340.9	293.5
87.5°	173.2	162.6	173.2	184.5	195.5	199.9	204.0	187.4	170.8	150.8	130.9
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: P966702

CATALOG NUMBER: NAV-SB4C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4210.9	4236.8	4262.7	4288.6	4318.0	4347.6	4380.2	4413.1	4453.7	4490.1	4527.8
5°	4012.9	4054.5	4100.3	4146.1	4198.0	4250.1	4312.2	4374.1	4445.1	4517.0	4593.1
7.5°	3891.8	3942.9	4000.7	4058.4	4126.9	4195.3	4277.6	4360.0	4452.0	4550.1	4656.3
10°	3874.4	3931.7	3994.0	4056.1	4124.6	4193.1	4280.0	4366.9	4465.7	4586.7	4712.6
12.5°	3985.8	4045.2	4093.8	4142.7	4187.9	4233.5	4304.3	4375.5	4467.4	4594.6	4736.7
15°	4206.6	4258.1	4270.8	4283.4	4277.2	4271.1	4305.0	4339.0	4412.6	4553.5	4718.1
17.5°	4439.5	4481.1	4441.5	4401.9	4327.2	4252.6	4240.3	4227.8	4273.1	4438.8	4636.8
20°	4568.8	4588.0	4505.1	4422.1	4292.3	4162.7	4104.6	4046.4	4058.4	4251.3	4496.7
22.5°	4536.3	4524.8	4416.7	4308.8	4160.6	4012.7	3926.6	3840.6	3817.1	4036.7	4332.2
25°	4357.7	4318.0	4211.7	4105.4	3972.3	3839.3	3740.1	3640.8	3577.5	3802.5	4148.6
27.5°	4091.1	4046.9	3961.7	3876.4	3767.3	3657.9	3562.1	3466.2	3389.3	3594.1	3980.7
30°	3824.0	3788.0	3717.2	3646.4	3555.7	3465.1	3388.8	3312.8	3252.3	3424.3	3840.4
32.5°	3588.8	3549.0	3481.0	3413.2	3340.7	3268.3	3223.2	3178.2	3151.4	3290.0	3719.4
35°	3368.8	3320.8	3253.6	3186.4	3131.4	3076.1	3063.6	3051.3	3062.4	3177.9	3600.4
37.5°	3163.1	3104.0	3036.9	2969.9	2930.5	2890.7	2904.4	2918.2	2958.9	3059.8	3460.4
40°	2965.0	2897.0	2832.2	2767.5	2739.0	2710.4	2741.4	2772.3	2834.7	2926.4	3293.4
42.5°	2778.4	2704.8	2643.3	2582.1	2558.6	2535.3	2576.3	2617.4	2696.2	2780.5	3109.1
45°	2615.6	2539.2	2481.0	2422.9	2403.0	2383.5	2423.4	2463.5	2539.5	2625.1	2913.4
47.5°	2484.8	2409.6	2352.7	2295.7	2277.4	2258.9	2292.5	2326.0	2391.5	2501.9	2758.5
50°	2378.0	2310.7	2257.0	2203.3	2174.4	2145.6	2175.3	2205.0	2281.1	2426.3	2655.6
52.5°	2303.8	2241.0	2191.9	2142.6	2099.4	2056.1	2085.4	2114.9	2221.3	2388.1	2587.8
55°	2257.9	2202.8	2149.7	2096.7	2035.4	1974.0	2020.4	2066.9	2227.3	2382.5	2538.7
57.5°	2213.8	2159.4	2097.0	2034.7	1968.7	1902.6	1970.4	2038.2	2233.3	2370.2	2480.5
60°	2149.6	2094.3	2022.7	1951.2	1893.4	1835.4	1923.3	2011.2	2214.4	2304.8	2391.5
62.5°	2059.5	2000.5	1917.1	1833.6	1796.9	1760.1	1869.8	1979.7	2168.3	2179.4	2236.9
65°	1943.2	1886.7	1797.2	1707.9	1693.8	1679.7	1796.5	1913.3	2057.0	2055.6	2082.8
67.5°	1810.3	1756.6	1674.0	1591.5	1595.9	1600.4	1697.6	1794.8	1875.6	1879.3	1864.3
70°	1666.9	1620.6	1548.1	1475.5	1490.9	1506.3	1575.4	1644.6	1671.1	1671.1	1600.7
72.5°	1493.3	1451.5	1394.5	1337.4	1359.8	1382.4	1429.8	1477.2	1476.8	1460.1	1360.3
75°	1293.6	1255.7	1213.3	1170.9	1192.6	1214.2	1250.8	1287.3	1293.8	1216.4	1104.4
77.5°	1096.1	1063.5	1029.2	994.7	1016.5	1038.4	1067.6	1097.0	1100.3	972.9	864.2
80°	878.7	851.4	822.8	794.1	812.5	830.9	855.5	880.0	880.5	728.2	636.2
82.5°	582.9	592.4	594.8	597.3	610.3	623.3	635.2	647.2	640.0	509.9	442.2
85°	320.0	346.6	359.1	371.4	385.9	400.5	413.3	426.1	416.7	320.0	270.4
87.5°	151.3	171.5	172.0	172.5	175.3	177.9	183.1	188.3	176.3	136.0	115.7
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: P966702

CATALOG NUMBER: NAV-SB4C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7	4459.7
2.5°	4565.5	4604.8	4644.2	4683.2	4722.4	4759.2	4796.0
5°	4669.3	4750.8	4832.4	4913.3	4994.5	5075.8	5157.1
7.5°	4762.6	4883.2	5003.8	5127.8	5251.7	5385.7	5519.8
10°	4838.2	4984.9	5131.4	5294.9	5458.7	5628.4	5797.9
12.5°	4879.0	5051.8	5224.6	5410.2	5595.7	5781.8	5968.2
15°	4882.7	5081.7	5280.8	5482.0	5683.3	5877.6	6071.7
17.5°	4834.8	5065.9	5296.9	5516.4	5736.0	5932.9	6129.9
20°	4742.1	5022.0	5302.0	5543.3	5784.6	5989.4	6194.1
22.5°	4627.8	4968.3	5308.9	5579.6	5850.1	6059.4	6268.5
25°	4494.7	4915.3	5335.8	5645.3	5954.5	6159.3	6364.3
27.5°	4367.3	4879.8	5392.3	5748.0	6103.4	6299.0	6494.4
30°	4256.4	4863.2	5469.7	5880.9	6292.2	6480.9	6669.9
32.5°	4148.6	4842.7	5536.4	6019.7	6503.0	6689.9	6876.9
35°	4022.9	4804.0	5585.4	6177.9	6770.3	6949.5	7128.5
37.5°	3861.1	4737.8	5614.4	6355.0	7095.5	7323.7	7552.0
40°	3660.5	4646.5	5632.8	6579.8	7526.7	7859.4	8192.1
42.5°	3437.6	4552.4	5667.5	6874.0	8080.5	8560.7	9040.9
45°	3201.5	4465.0	5728.6	7261.1	8793.6	9441.3	10089.1
47.5°	3015.0	4392.7	5770.5	7673.6	9576.5	10488.3	11399.9
50°	2885.0	4314.0	5743.2	8056.2	10369.2	11743.7	13118.1
52.5°	2787.7	4181.1	5574.6	8304.7	11034.5	13062.5	15090.4
55°	2694.9	3960.7	5226.4	8249.9	11273.3	14231.6	17190.2
57.5°	2590.9	3649.9	4708.6	7864.5	11020.5	15060.2	19100.0
60°	2478.3	3246.4	4014.4	7147.3	10280.2	15267.3	20254.2
62.5°	2294.6	2763.4	3232.3	6177.5	9122.7	14395.4	19668.1
65°	2110.1	2328.9	2547.8	5188.0	7828.4	13161.7	18495.0
67.5°	1849.1	1911.3	1973.5	4218.7	6464.0	11693.6	16923.2
70°	1530.2	1512.6	1494.9	3321.6	5148.5	10091.6	15034.7
72.5°	1260.3	1206.6	1153.1	2539.4	3925.7	8355.0	12784.4
75°	992.6	943.9	895.3	1843.1	2790.8	6364.2	9937.6
77.5°	755.5	722.3	689.3	1249.0	1808.5	4454.3	7100.3
80°	544.2	530.5	516.8	804.6	1092.6	2869.9	4647.0
82.5°	374.4	371.7	369.3	494.9	620.8	1661.0	2701.3
85°	220.8	222.1	223.3	264.6	306.0	747.1	1188.5
87.5°	95.5	96.7	97.9	109.7	121.5	244.7	368.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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