

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: P971600

Luminaire Tested: **NAV-SB6D-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971600
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-SB6D-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58456.8 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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



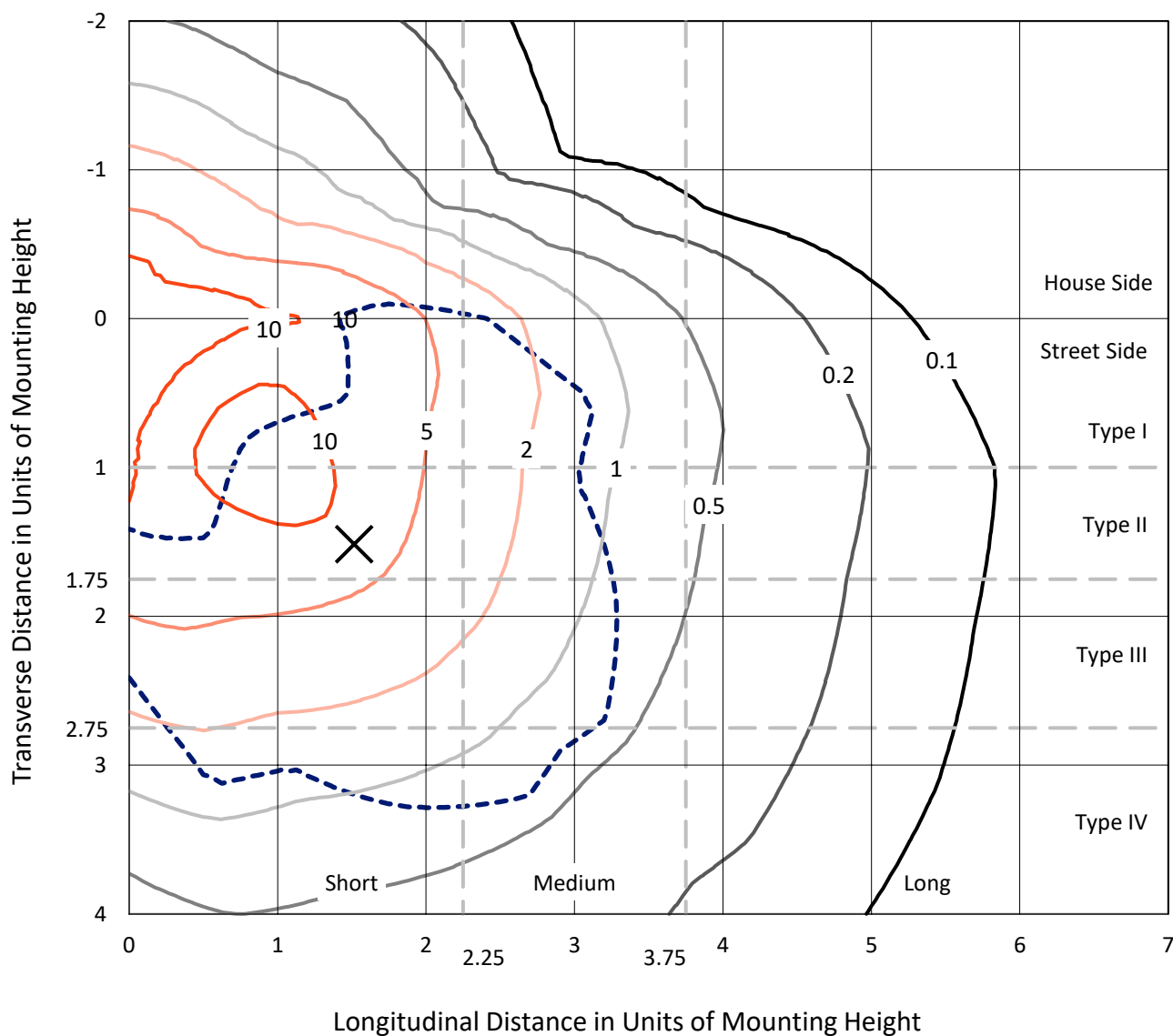
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

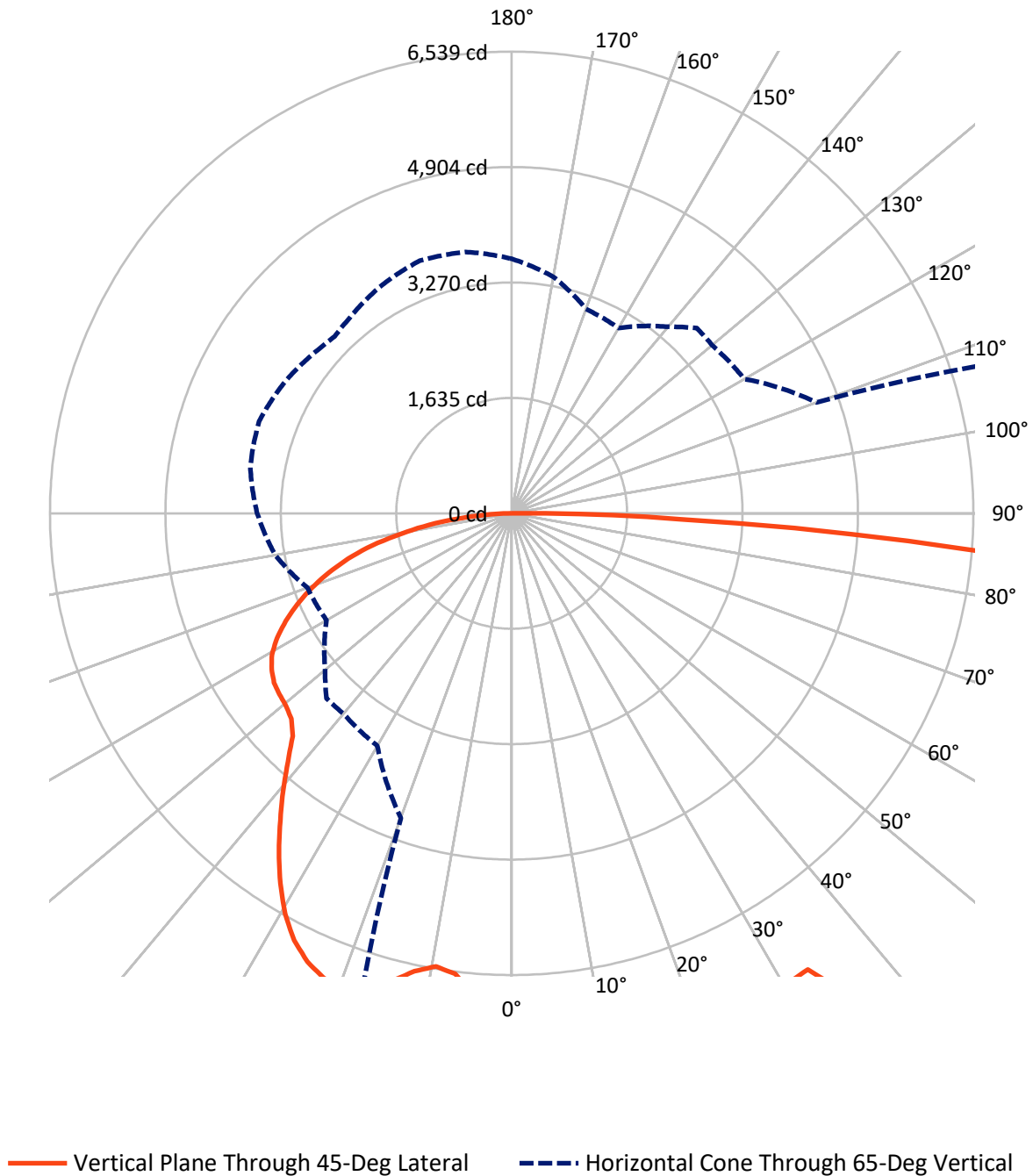


Based on 25 foot mounting height. Maximum calculated value = 17.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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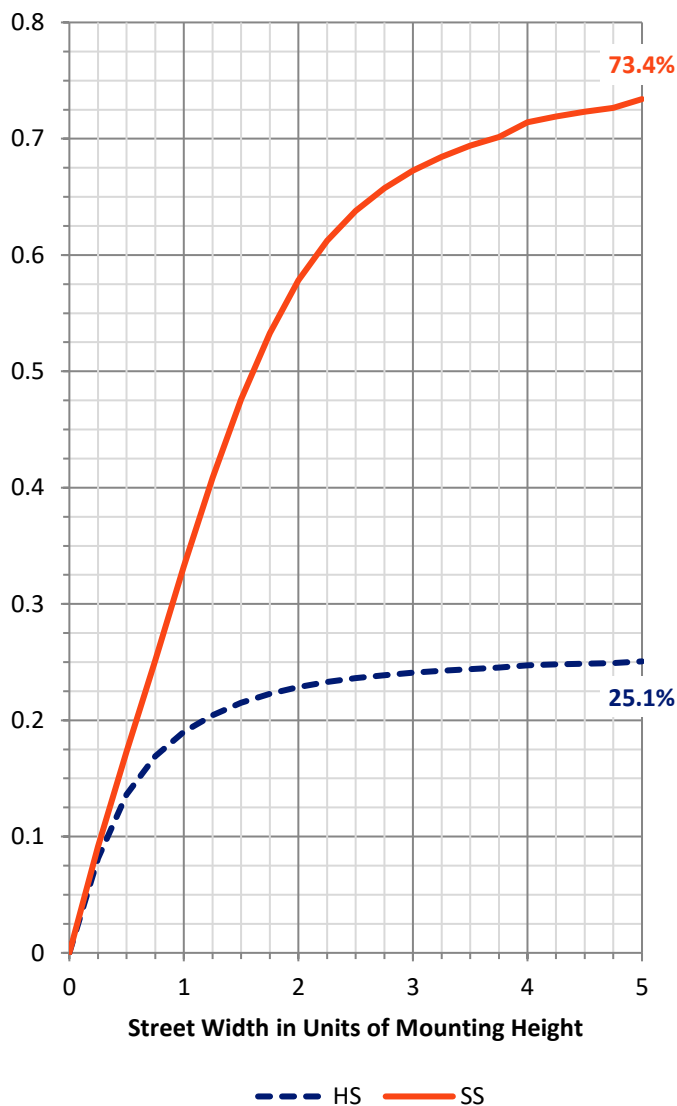
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14856.8	0.0	14856.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	43600.0	0.0	43600.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	58456.8	0.0	58456.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.4	1.4
10°-20°	2503.2	4.3
20°-30°	3866.6	6.6
30°-40°	4899.9	8.4
40°-50°	7390.3	12.6
50°-60°	11940.1	20.4
60°-70°	14885.2	25.5
70°-80°	9761.0	16.7
80°-90°	2413.2	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°	58456.8	100.0
0°-180°	58456.8	100.0

Coefficient of Utilization



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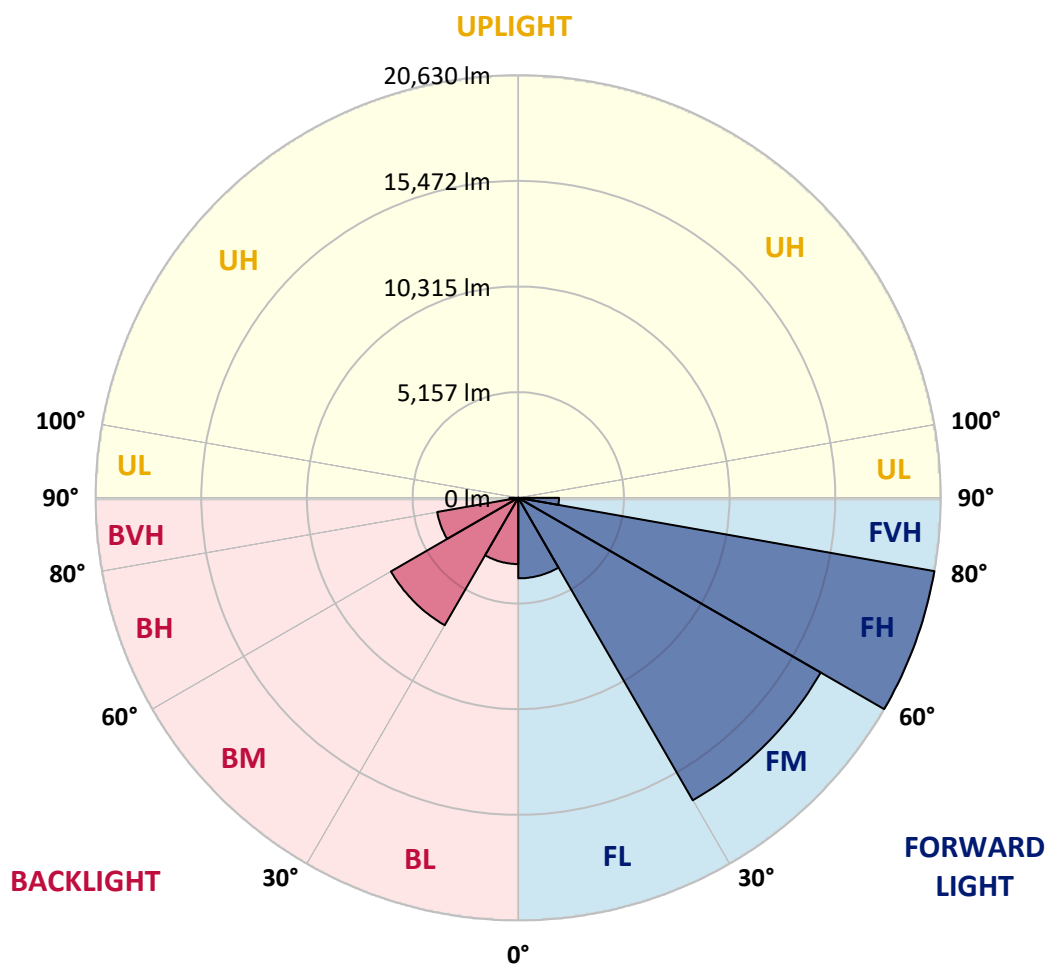
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3931.9	6.7			
FM	(30°-60°)	17050.6	29.2			
FH	(60°-80°)	20629.6	35.3			G5
FVH	(80°-90°)	1987.9	3.4			G5
BL	(0°-30°)	3235.2	5.5	B4/5000		
BM	(30°-60°)	7179.7	12.3	B4/8500		
BH	(60°-80°)	4016.6	6.9	B4/5000		G4/5000
BVH	(80°-90°)	425.2	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	8644.4	8677.1	8710.1	8756.7	8803.3	8831.0	8858.8	8872.7	8886.5	8880.4	8886.5
5°	9295.2	9409.7	9524.4	9638.0	9751.7	9813.5	9875.2	9912.5	9950.1	9978.5	9950.1
7.5°	9949.2	10135.5	10321.4	10488.9	10656.5	10757.4	10858.2	10912.8	10967.1	10993.3	10967.1
10°	10450.4	10670.7	10890.9	11087.4	11283.8	11402.9	11521.4	11574.4	11627.2	11647.2	11627.2
12.5°	10757.4	10996.1	11234.5	11412.1	11589.3	11675.6	11762.0	11791.0	11820.0	11823.1	11820.0
15°	10943.9	11149.9	11355.8	11467.1	11578.7	11581.8	11585.0	11554.1	11523.3	11486.9	11523.3
17.5°	11048.8	11188.0	11327.1	11329.2	11331.1	11206.1	11081.2	10966.8	10852.0	10771.2	10852.0
20°	11164.5	11212.9	11261.7	11115.1	10968.6	10692.9	10417.1	10216.3	10015.5	9892.1	10015.5
22.5°	11298.7	11235.1	11171.6	10868.1	10564.6	10159.0	9753.3	9502.3	9251.1	9114.8	9251.1
25°	11471.4	11270.9	11070.4	10609.6	10148.7	9656.1	9163.5	8899.6	8636.1	8507.2	8636.1
27.5°	11705.8	11347.4	10988.7	10378.2	9768.1	9222.1	8676.2	8416.5	8157.1	8035.2	8157.1
30°	12022.0	11487.5	10953.2	10201.8	9450.4	8881.6	8312.9	8072.0	7831.0	7717.5	7831.0
32.5°	12395.2	11663.3	10931.6	10081.5	9231.5	8696.8	8162.3	7973.3	7783.8	7702.1	7783.8
35°	12848.7	11952.9	11057.5	10171.6	9286.0	8914.6	8543.6	8499.4	8455.3	8448.6	8455.3
37.5°	13612.1	12558.4	11504.7	10699.7	9894.6	9870.5	9846.5	10048.2	10249.9	10354.8	10249.9
40°	14765.7	13619.8	12473.8	11875.1	11276.4	11699.0	12121.6	12612.1	13102.5	13346.8	13102.5
42.5°	16295.7	15158.6	14021.7	13676.9	13332.0	14253.6	15175.3	16067.4	16959.4	17483.2	16959.4
45°	18184.9	17163.6	16142.0	15989.9	15837.6	17314.1	18791.0	20256.8	21722.8	22612.7	21722.8
47.5°	20547.7	19554.1	18560.3	18529.4	18498.6	20628.7	22758.4	24904.2	27049.9	28309.9	27049.9
50°	23644.5	22417.2	21190.1	21195.5	21200.7	23945.9	26691.1	29523.7	32356.2	34068.7	32356.2
52.5°	27199.5	25713.4	24227.5	24077.2	23926.8	27206.0	30485.1	33989.8	37494.1	39546.9	37494.1
55°	30984.2	29516.0	28047.7	27462.0	26876.2	30525.8	34175.1	38353.1	42531.1	44972.6	42531.1
57.5°	34426.6	33627.1	32827.2	31652.3	30477.8	34162.8	37847.9	42580.2	47312.3	50339.7	47312.3
60°	36507.1	37748.9	38991.0	37532.0	36073.0	39560.5	43047.8	48114.5	53181.2	56453.2	53181.2
62.5°	35450.6	38843.9	42237.2	42072.8	41908.0	45102.8	48297.7	53118.3	57938.4	60962.8	57938.4
65°	33336.2	36521.0	39705.7	40335.9	40965.8	45025.7	49085.8	53760.1	58434.1	61009.1	58434.1
67.5°	30503.0	33532.1	36561.0	36856.5	37151.7	41381.9	45611.7	50306.1	55000.5	57017.7	55000.5
70°	27099.3	30393.8	33688.7	33820.7	33953.0	37736.0	41518.5	45558.4	49597.8	50719.0	49597.8
72.5°	23043.0	26823.7	30604.8	30699.8	30794.5	33754.1	36713.8	39739.4	42764.6	42878.2	42764.6
75°	17911.9	21825.0	25738.1	26089.3	26440.7	28743.3	31045.9	33175.8	35305.6	34735.0	35305.6
77.5°	12797.7	16450.4	20103.5	20606.3	21109.1	22859.6	24610.0	26120.5	27631.3	26650.4	27631.3
80°	8376.1	11449.1	14522.0	15146.9	15771.9	17093.9	18415.4	19208.7	20001.7	18424.0	20001.7
82.5°	4869.0	6969.8	9071.0	9769.1	10467.4	11377.3	12287.3	12618.3	12948.9	11708.9	12948.9
85°	2142.2	3257.2	4372.3	4966.1	5559.9	6307.5	7055.0	7242.9	7430.6	6437.4	7430.6
87.5°	663.2	1037.9	1412.8	1744.0	2075.3	2449.1	2823.0	2839.0	2854.7	2396.7	2854.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	8872.7	8858.8	8831.0	8803.3	8756.7	8710.1	8677.1	8644.4	8578.1	8511.8	8441.2
5°	9912.5	9875.2	9813.5	9751.7	9638.0	9524.4	9409.7	9295.2	9148.7	9002.3	8856.0
7.5°	10912.8	10858.2	10757.4	10656.5	10488.9	10321.4	10135.5	9949.2	9707.4	9465.9	9242.5
10°	11574.4	11521.4	11402.9	11283.8	11087.4	10890.9	10670.7	10450.4	10144.7	9839.1	9543.9
12.5°	11791.0	11762.0	11675.6	11589.3	11412.1	11234.5	10996.1	10757.4	10421.4	10085.8	9751.4
15°	11554.1	11585.0	11581.8	11578.7	11467.1	11355.8	11149.9	10943.9	10593.9	10243.7	9881.0
17.5°	10966.8	11081.2	11206.1	11331.1	11329.2	11327.1	11188.0	11048.8	10693.8	10338.8	9943.0
20°	10216.3	10417.1	10692.9	10968.6	11115.1	11261.7	11212.9	11164.5	10795.6	10426.4	9991.4
22.5°	9502.3	9753.3	10159.0	10564.6	10868.1	11171.6	11235.1	11298.7	10921.8	10544.5	10056.8
25°	8899.6	9163.5	9656.1	10148.7	10609.6	11070.4	11270.9	11471.4	11101.9	10732.7	10175.3
27.5°	8416.5	8676.2	9222.1	9768.1	10378.2	10988.7	11347.4	11705.8	11353.6	11001.0	10360.4
30°	8072.0	8312.9	8881.6	9450.4	10201.8	10953.2	11487.5	12022.0	11681.4	11341.2	10600.0
32.5°	7973.3	8162.3	8696.8	9231.5	10081.5	10931.6	11663.3	12395.2	12058.1	11721.3	10850.1
35°	8499.4	8543.6	8914.6	9286.0	10171.6	11057.5	11952.9	12848.7	12526.0	12203.0	11135.2
37.5°	10048.2	9846.5	9870.5	9894.6	10699.7	11504.7	12558.4	13612.1	13200.6	12789.1	11454.5
40°	12612.1	12121.6	11699.0	11276.4	11875.1	12473.8	13619.8	14765.7	14166.0	13566.4	11859.8
42.5°	16067.4	15175.3	14253.6	13332.0	13676.9	14021.7	15158.6	16295.7	15430.1	14564.5	12390.0
45°	20256.8	18791.0	17314.1	15837.6	15989.9	16142.0	17163.6	18184.9	17017.4	15849.9	13087.7
47.5°	24904.2	22758.4	20628.7	18498.6	18529.4	18560.3	19554.1	20547.7	18904.5	17261.1	13831.0
50°	29523.7	26691.1	23945.9	21200.7	21195.5	21190.1	22417.2	23644.5	21167.4	18689.8	14520.8
52.5°	33989.8	30485.1	27206.0	23926.8	24077.2	24227.5	25713.4	27199.5	23544.2	19889.1	14968.7
55°	38353.1	34175.1	30525.8	26876.2	27462.0	28047.7	29516.0	30984.2	25651.6	20319.4	14870.0
57.5°	42580.2	37847.9	34162.8	30477.8	31652.3	32827.2	33627.1	34426.6	27145.2	19863.8	14175.3
60°	48114.5	43047.8	39560.5	36073.0	37532.0	38991.0	37748.9	36507.1	27518.4	18529.4	12882.6
62.5°	53118.3	48297.7	45102.8	41908.0	42072.8	42237.2	38843.9	35450.6	25946.8	16443.0	11134.6
65°	53760.1	49085.8	45025.7	40965.8	40335.9	39705.7	36521.0	33336.2	23723.2	14110.3	9351.1
67.5°	50306.1	45611.7	41381.9	37151.7	36856.5	36561.0	33532.1	30503.0	21077.0	11651.0	7604.0
70°	45558.4	41518.5	37736.0	33953.0	33820.7	33688.7	30393.8	27099.3	18189.5	9279.8	5987.1
72.5°	39739.4	36713.8	33754.1	30794.5	30699.8	30604.8	26823.7	23043.0	15059.3	7075.9	4577.1
75°	33175.8	31045.9	28743.3	26440.7	26089.3	25738.1	21825.0	17911.9	11471.1	5030.3	3322.0
77.5°	26120.5	24610.0	22859.6	21109.1	20606.3	20103.5	16450.4	12797.7	8028.7	3259.7	2251.1
80°	19208.7	18415.4	17093.9	15771.9	15146.9	14522.0	11449.1	8376.1	5172.8	1969.4	1450.4
82.5°	12618.3	12287.3	11377.3	10467.4	9769.1	9071.0	6969.8	4869.0	2993.8	1119.1	892.1
85°	7242.9	7055.0	6307.5	5559.9	4966.1	4372.3	3257.2	2142.2	1346.7	551.6	476.8
87.5°	2839.0	2823.0	2449.1	2075.3	1744.0	1412.8	1037.9	663.2	441.1	219.0	197.7
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°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	8370.9	8299.8	8228.9	8161.0	8093.2	8027.5	7954.4	7895.2	7836.2	7782.9	7729.8
5°	8710.1	8563.0	8416.2	8278.9	8141.7	8012.1	7884.1	7772.5	7660.4	7566.7	7473.2
7.5°	9019.2	8801.8	8584.3	8392.7	8201.1	8024.4	7858.8	7710.2	7561.7	7438.3	7315.0
10°	9249.0	8984.9	8720.6	8494.2	8267.1	8049.1	7871.1	7714.5	7557.7	7434.3	7311.0
12.5°	9417.1	9105.6	8794.0	8537.7	8281.4	8052.2	7886.6	7758.2	7630.5	7548.5	7467.0
15°	9518.3	9159.5	8800.9	8504.1	8207.4	7953.5	7820.9	7759.5	7698.4	7709.5	7720.6
17.5°	9547.3	9130.9	8714.4	8357.5	8000.6	7702.1	7620.4	7642.9	7665.1	7799.5	7934.0
20°	9556.5	9051.9	8547.3	8105.0	7662.6	7315.0	7293.4	7398.2	7503.1	7736.6	7970.4
22.5°	9568.9	8955.0	8341.2	7808.6	7275.9	6880.1	6922.3	7077.5	7232.6	7499.1	7766.2
25°	9617.6	8859.4	8101.5	7477.6	6853.9	6448.3	6562.4	6741.2	6920.2	7159.8	7399.8
27.5°	9719.4	8795.5	7871.8	7174.9	6478.1	6108.9	6247.8	6420.5	6593.2	6790.3	6987.1
30°	9858.8	8765.6	7671.8	6922.0	6172.1	5862.2	5971.0	6108.0	6245.5	6409.0	6572.5
32.5°	9979.1	8728.6	7477.6	6703.9	5930.0	5680.1	5728.6	5809.7	5890.9	6021.4	6152.2
35°	10067.3	8658.9	7251.2	6489.6	5728.0	5519.8	5499.7	5522.0	5544.4	5644.1	5743.4
37.5°	10119.7	8539.6	6959.3	6237.2	5515.1	5333.2	5259.8	5235.1	5210.4	5281.9	5353.3
40°	10152.7	8375.2	6597.8	5936.2	5274.5	5109.5	4997.0	4941.1	4885.3	4936.8	4988.4
42.5°	10215.4	8205.5	6196.2	5604.0	5011.7	4859.7	4717.8	4643.8	4569.8	4611.7	4653.9
45°	10325.5	8047.9	5770.5	5251.1	4731.7	4577.4	4440.2	4368.0	4296.2	4331.3	4367.1
47.5°	10401.1	7917.7	5434.3	4972.0	4509.6	4310.6	4192.5	4132.1	4071.6	4104.9	4137.9
50°	10351.7	7775.9	5199.9	4786.5	4373.3	4111.7	3974.4	3920.7	3867.4	3919.2	3971.4
52.5°	10047.9	7536.1	5024.8	4664.5	4304.5	4003.8	3811.9	3758.8	3706.1	3784.1	3861.9
55°	9420.2	7138.8	4857.6	4575.9	4294.3	4014.5	3725.5	3641.6	3558.0	3668.8	3779.2
57.5°	8487.1	6578.7	4670.0	4471.0	4272.1	4025.3	3673.7	3551.5	3429.3	3548.4	3667.6
60°	7235.7	5851.4	4467.1	4310.6	4154.2	3991.3	3624.9	3466.8	3308.2	3412.7	3517.0
62.5°	5826.1	4980.9	4135.8	4031.8	3928.2	3908.1	3568.2	3370.2	3172.5	3238.8	3305.1
65°	4592.3	4197.8	3803.3	3754.2	3705.2	3707.6	3448.5	3238.2	3027.4	3053.1	3078.4
67.5°	3557.1	3445.1	3332.9	3360.3	3387.4	3380.7	3235.1	3059.8	2884.7	2876.7	2868.7
70°	2694.3	2726.4	2758.2	2885.3	3012.1	3012.1	2964.2	2839.7	2715.0	2687.2	2659.5
72.5°	2078.4	2174.9	2271.8	2451.9	2631.7	2661.9	2662.5	2577.2	2491.7	2451.0	2410.6
75°	1613.9	1701.4	1789.0	1990.8	2192.5	2331.9	2320.2	2254.5	2188.5	2149.6	2110.5
77.5°	1242.4	1302.0	1361.8	1557.7	1753.6	1983.4	1977.2	1924.4	1871.6	1832.2	1792.7
80°	931.5	956.2	980.9	1146.9	1312.5	1587.0	1586.1	1542.0	1497.5	1464.5	1431.2
82.5°	665.6	669.9	674.9	797.0	919.2	1153.6	1166.6	1145.0	1123.4	1099.9	1076.5
85°	402.5	400.4	397.9	487.4	576.8	751.1	768.0	744.9	721.8	695.6	669.3
87.5°	176.4	174.2	172.1	208.5	245.2	317.8	339.3	330.0	320.8	315.9	310.9
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: P971600

CATALOG NUMBER: NAV-SB6D-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	7683.3	7636.7	7589.8	7543.3	7507.2	7470.7	7441.5	7412.2	7389.3	7366.5	7345.6
5°	7390.6	7307.8	7232.9	7157.7	7100.0	7042.0	7001.6	6961.2	6932.5	6903.8	6882.0
7.5°	7211.1	7106.7	7014.9	6923.3	6854.5	6786.0	6737.8	6689.8	6656.8	6624.1	6604.3
10°	7199.0	7086.7	6983.4	6880.1	6798.0	6715.7	6662.0	6607.7	6576.5	6545.3	6528.7
12.5°	7378.9	7291.2	7184.2	7077.5	6972.6	6867.7	6798.3	6728.9	6694.1	6659.5	6645.4
15°	7697.7	7675.0	7582.1	7489.3	7339.9	7190.7	7085.2	6979.7	6931.3	6883.2	6864.6
17.5°	8005.7	8076.9	8001.9	7927.2	7729.5	7531.8	7376.4	7220.9	7149.4	7077.5	7054.0
20°	8120.0	8269.7	8235.1	8200.2	7974.2	7748.4	7557.7	7367.4	7275.9	7183.9	7154.6
22.5°	7960.9	8155.5	8176.5	8197.1	7981.3	7765.3	7569.1	7372.6	7276.2	7179.3	7146.9
25°	7591.4	7782.9	7854.5	7925.7	7748.7	7571.9	7397.3	7223.4	7139.4	7055.9	7025.4
27.5°	7140.7	7294.3	7373.8	7453.8	7327.6	7201.8	7066.4	6930.9	6874.8	6818.4	6804.5
30°	6699.9	6827.6	6892.4	6957.2	6861.2	6765.0	6668.1	6570.7	6542.0	6513.1	6513.1
32.5°	6274.2	6396.7	6468.6	6540.7	6452.6	6364.0	6286.6	6209.1	6190.4	6171.5	6174.0
35°	5864.3	5985.6	6071.9	6158.3	6095.4	6032.7	5961.2	5890.0	5861.3	5832.9	5826.7
37.5°	5473.8	5594.8	5701.5	5808.2	5779.2	5750.1	5684.5	5618.5	5566.4	5514.5	5487.1
40°	5104.9	5221.6	5344.2	5467.3	5474.4	5481.2	5425.4	5369.6	5293.7	5218.4	5167.2
42.5°	4764.4	4875.1	5007.7	5140.4	5175.8	5211.3	5164.2	5117.2	5023.2	4929.1	4854.7
45°	4472.0	4576.8	4714.4	4851.9	4902.9	4953.7	4911.2	4869.0	4761.3	4653.9	4566.7
47.5°	4240.6	4343.0	4478.7	4614.4	4673.1	4731.7	4702.1	4672.5	4576.8	4481.2	4400.4
50°	4068.2	4164.8	4286.2	4407.8	4483.0	4558.4	4556.4	4555.2	4478.7	4402.3	4327.7
52.5°	3950.7	4039.2	4152.4	4265.9	4355.0	4444.2	4460.3	4476.3	4414.0	4351.6	4284.7
55°	3874.8	3970.4	4069.8	4168.8	4263.2	4357.8	4380.0	4402.3	4347.9	4293.7	4235.1
57.5°	3779.8	3892.0	3990.1	4088.5	4183.8	4278.9	4301.4	4323.9	4269.0	4214.1	4156.1
60°	3645.9	3774.9	3874.5	3974.4	4070.1	4165.7	4190.3	4215.0	4161.4	4108.0	4048.1
62.5°	3455.3	3605.8	3712.2	3818.6	3906.3	3993.9	4017.6	4041.4	3992.9	3944.5	3881.6
65°	3239.4	3400.7	3502.5	3604.3	3681.4	3758.5	3782.9	3807.0	3760.3	3713.8	3652.7
67.5°	3017.3	3166.3	3262.8	3359.0	3425.7	3492.3	3516.1	3539.5	3496.7	3454.0	3397.4
70°	2790.3	2921.0	3004.4	3087.6	3147.8	3207.9	3230.7	3253.6	3218.7	3183.9	3129.5
72.5°	2513.6	2616.3	2691.5	2766.8	2825.7	2884.7	2911.8	2939.0	2910.0	2881.0	2829.1
75°	2186.9	2263.4	2331.6	2399.7	2453.4	2507.1	2535.5	2563.8	2549.7	2535.5	2492.0
77.5°	1855.0	1917.1	1975.7	2034.2	2090.7	2146.9	2173.4	2199.9	2180.2	2159.8	2116.0
80°	1483.1	1534.5	1583.9	1633.2	1676.2	1718.7	1753.9	1789.0	1780.4	1772.0	1713.2
82.5°	1072.1	1067.8	1050.6	1033.3	1124.6	1216.0	1275.7	1335.6	1331.9	1327.9	1278.3
85°	647.2	624.6	576.8	529.0	614.5	700.2	774.2	848.3	842.0	835.9	797.0
87.5°	310.0	309.0	272.6	236.0	271.7	307.8	337.7	367.7	360.3	352.3	332.5
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: P971600

CATALOG NUMBER: NAV-SB6D-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	7324.2	7298.0	7324.2	7345.6	7366.5	7389.3	7412.2	7441.5	7470.7	7507.2	7543.3
5°	6860.0	6838.4	6860.0	6882.0	6903.8	6932.5	6961.2	7001.6	7042.0	7100.0	7157.7
7.5°	6584.9	6570.0	6584.9	6604.3	6624.1	6656.8	6689.8	6737.8	6786.0	6854.5	6923.3
10°	6512.0	6505.3	6512.0	6528.7	6545.3	6576.5	6607.7	6662.0	6715.7	6798.0	6880.1
12.5°	6631.1	6628.7	6631.1	6645.4	6659.5	6694.1	6728.9	6798.3	6867.7	6972.6	7077.5
15°	6846.2	6844.6	6846.2	6864.6	6883.2	6931.3	6979.7	7085.2	7190.7	7339.9	7489.3
17.5°	7030.3	7026.6	7030.3	7054.0	7077.5	7149.4	7220.9	7376.4	7531.8	7729.5	7927.2
20°	7125.3	7116.1	7125.3	7154.6	7183.9	7275.9	7367.4	7557.7	7748.4	7974.2	8200.2
22.5°	7114.5	7100.6	7114.5	7146.9	7179.3	7276.2	7372.6	7569.1	7765.3	7981.3	8197.1
25°	6995.1	6977.3	6995.1	7025.4	7055.9	7139.4	7223.4	7397.3	7571.9	7748.7	7925.7
27.5°	6790.6	6786.0	6790.6	6804.5	6818.4	6874.8	6930.9	7066.4	7201.8	7327.6	7453.8
30°	6513.1	6517.7	6513.1	6513.1	6513.1	6542.0	6570.7	6668.1	6765.0	6861.2	6957.2
32.5°	6176.8	6181.5	6176.8	6174.0	6171.5	6190.4	6209.1	6286.6	6364.0	6452.6	6540.7
35°	5820.6	5817.5	5820.6	5826.7	5832.9	5861.3	5890.0	5961.2	6032.7	6095.4	6158.3
37.5°	5459.7	5444.2	5459.7	5487.1	5514.5	5566.4	5618.5	5684.5	5750.1	5779.2	5808.2
40°	5116.6	5086.4	5116.6	5167.2	5218.4	5293.7	5369.6	5425.4	5481.2	5474.4	5467.3
42.5°	4780.4	4731.7	4780.4	4854.7	4929.1	5023.2	5117.2	5164.2	5211.3	5175.8	5140.4
45°	4479.4	4423.2	4479.4	4566.7	4653.9	4761.3	4869.0	4911.2	4953.7	4902.9	4851.9
47.5°	4319.9	4265.9	4319.9	4400.4	4481.2	4576.8	4672.5	4702.1	4731.7	4673.1	4614.4
50°	4252.9	4201.2	4252.9	4327.7	4402.3	4478.7	4555.2	4556.4	4558.4	4483.0	4407.8
52.5°	4218.1	4170.3	4218.1	4284.7	4351.6	4414.0	4476.3	4460.3	4444.2	4355.0	4265.9
55°	4176.5	4133.3	4176.5	4235.1	4293.7	4347.9	4402.3	4380.0	4357.8	4263.2	4168.8
57.5°	4097.8	4053.1	4097.8	4156.1	4214.1	4269.0	4323.9	4301.4	4278.9	4183.8	4088.5
60°	3988.3	3942.0	3988.3	4048.1	4108.0	4161.4	4215.0	4190.3	4165.7	4070.1	3974.4
62.5°	3818.6	3763.2	3818.6	3881.6	3944.5	3992.9	4041.4	4017.6	3993.9	3906.3	3818.6
65°	3591.9	3544.1	3591.9	3652.7	3713.8	3760.3	3807.0	3782.9	3758.5	3681.4	3604.3
67.5°	3340.6	3297.3	3340.6	3397.4	3454.0	3496.7	3539.5	3516.1	3492.3	3425.7	3359.0
70°	3075.3	3025.9	3075.3	3129.5	3183.9	3218.7	3253.6	3230.7	3207.9	3147.8	3087.6
72.5°	2777.6	2729.8	2777.6	2829.1	2881.0	2910.0	2939.0	2911.8	2884.7	2825.7	2766.8
75°	2448.5	2402.9	2448.5	2492.0	2535.5	2549.7	2563.8	2535.5	2507.1	2453.4	2399.7
77.5°	2072.2	2035.8	2072.2	2116.0	2159.8	2180.2	2199.9	2173.4	2146.9	2090.7	2034.2
80°	1653.9	1585.5	1653.9	1713.2	1772.0	1780.4	1789.0	1753.9	1718.7	1676.2	1633.2
82.5°	1228.3	1184.5	1228.3	1278.3	1327.9	1331.9	1335.6	1275.7	1216.0	1124.6	1033.3
85°	758.2	718.7	758.2	797.0	835.9	842.0	848.3	774.2	700.2	614.5	529.0
87.5°	312.1	293.0	312.1	332.5	352.3	360.3	367.7	337.7	307.8	271.7	236.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P971600

CATALOG NUMBER: NAV-SB6D-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	7589.8	7636.7	7683.3	7729.8	7782.9	7836.2	7895.2	7954.4	8027.5	8093.2	8161.0
5°	7232.9	7307.8	7390.6	7473.2	7566.7	7660.4	7772.5	7884.1	8012.1	8141.7	8278.9
7.5°	7014.9	7106.7	7211.1	7315.0	7438.3	7561.7	7710.2	7858.8	8024.4	8201.1	8392.7
10°	6983.4	7086.7	7199.0	7311.0	7434.3	7557.7	7714.5	7871.1	8049.1	8267.1	8494.2
12.5°	7184.2	7291.2	7378.9	7467.0	7548.5	7630.5	7758.2	7886.6	8052.2	8281.4	8537.7
15°	7582.1	7675.0	7697.7	7720.6	7709.5	7698.4	7759.5	7820.9	7953.5	8207.4	8504.1
17.5°	8001.9	8076.9	8005.7	7934.0	7799.5	7665.1	7642.9	7620.4	7702.1	8000.6	8357.5
20°	8235.1	8269.7	8120.0	7970.4	7736.6	7503.1	7398.2	7293.4	7315.0	7662.6	8105.0
22.5°	8176.5	8155.5	7960.9	7766.2	7499.1	7232.6	7077.5	6922.3	6880.1	7275.9	7808.6
25°	7854.5	7782.9	7591.4	7399.8	7159.8	6920.2	6741.2	6562.4	6448.3	6853.9	7477.6
27.5°	7373.8	7294.3	7140.7	6987.1	6790.3	6593.2	6420.5	6247.8	6108.9	6478.1	7174.9
30°	6892.4	6827.6	6699.9	6572.5	6409.0	6245.5	6108.0	5971.0	5862.2	6172.1	6922.0
32.5°	6468.6	6396.7	6274.2	6152.2	6021.4	5890.9	5809.7	5728.6	5680.1	5930.0	6703.9
35°	6071.9	5985.6	5864.3	5743.4	5644.1	5544.4	5522.0	5499.7	5519.8	5728.0	6489.6
37.5°	5701.5	5594.8	5473.8	5353.3	5281.9	5210.4	5235.1	5259.8	5333.2	5515.1	6237.2
40°	5344.2	5221.6	5104.9	4988.4	4936.8	4885.3	4941.1	4997.0	5109.5	5274.5	5936.2
42.5°	5007.7	4875.1	4764.4	4653.9	4611.7	4569.8	4643.8	4717.8	4859.7	5011.7	5604.0
45°	4714.4	4576.8	4472.0	4367.1	4331.3	4296.2	4368.0	4440.2	4577.4	4731.7	5251.1
47.5°	4478.7	4343.0	4240.6	4137.9	4104.9	4071.6	4132.1	4192.5	4310.6	4509.6	4972.0
50°	4286.2	4164.8	4068.2	3971.4	3919.2	3867.4	3920.7	3974.4	4111.7	4373.3	4786.5
52.5°	4152.4	4039.2	3950.7	3861.9	3784.1	3706.1	3758.8	3811.9	4003.8	4304.5	4664.5
55°	4069.8	3970.4	3874.8	3779.2	3668.8	3558.0	3641.6	3725.5	4014.5	4294.3	4575.9
57.5°	3990.1	3892.0	3779.8	3667.6	3548.4	3429.3	3551.5	3673.7	4025.3	4272.1	4471.0
60°	3874.5	3774.9	3645.9	3517.0	3412.7	3308.2	3466.8	3624.9	3991.3	4154.2	4310.6
62.5°	3712.2	3605.8	3455.3	3305.1	3238.8	3172.5	3370.2	3568.2	3908.1	3928.2	4031.8
65°	3502.5	3400.7	3239.4	3078.4	3053.1	3027.4	3238.2	3448.5	3707.6	3705.2	3754.2
67.5°	3262.8	3166.3	3017.3	2868.7	2876.7	2884.7	3059.8	3235.1	3380.7	3387.4	3360.3
70°	3004.4	2921.0	2790.3	2659.5	2687.2	2715.0	2839.7	2964.2	3012.1	3012.1	2885.3
72.5°	2691.5	2616.3	2513.6	2410.6	2451.0	2491.7	2577.2	2662.5	2661.9	2631.7	2451.9
75°	2331.6	2263.4	2186.9	2110.5	2149.6	2188.5	2254.5	2320.2	2331.9	2192.5	1990.8
77.5°	1975.7	1917.1	1855.0	1792.7	1832.2	1871.6	1924.4	1977.2	1983.4	1753.6	1557.7
80°	1583.9	1534.5	1483.1	1431.2	1464.5	1497.5	1542.0	1586.1	1587.0	1312.5	1146.9
82.5°	1050.6	1067.8	1072.1	1076.5	1099.9	1123.4	1145.0	1166.6	1153.6	919.2	797.0
85°	576.8	624.6	647.2	669.3	695.6	721.8	744.9	768.0	751.1	576.8	487.4
87.5°	272.6	309.0	310.0	310.9	315.9	320.8	330.0	339.3	317.8	245.2	208.5
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: P971600

CATALOG NUMBER: NAV-SB6D-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4	8038.4
2.5°	8228.9	8299.8	8370.9	8441.2	8511.8	8578.1	8644.4
5°	8416.2	8563.0	8710.1	8856.0	9002.3	9148.7	9295.2
7.5°	8584.3	8801.8	9019.2	9242.5	9465.9	9707.4	9949.2
10°	8720.6	8984.9	9249.0	9543.9	9839.1	10144.7	10450.4
12.5°	8794.0	9105.6	9417.1	9751.4	10085.8	10421.4	10757.4
15°	8800.9	9159.5	9518.3	9881.0	10243.7	10593.9	10943.9
17.5°	8714.4	9130.9	9547.3	9943.0	10338.8	10693.8	11048.8
20°	8547.3	9051.9	9556.5	9991.4	10426.4	10795.6	11164.5
22.5°	8341.2	8955.0	9568.9	10056.8	10544.5	10921.8	11298.7
25°	8101.5	8859.4	9617.6	10175.3	10732.7	11101.9	11471.4
27.5°	7871.8	8795.5	9719.4	10360.4	11001.0	11353.6	11705.8
30°	7671.8	8765.6	9858.8	10600.0	11341.2	11681.4	12022.0
32.5°	7477.6	8728.6	9979.1	10850.1	11721.3	12058.1	12395.2
35°	7251.2	8658.9	10067.3	11135.2	12203.0	12526.0	12848.7
37.5°	6959.3	8539.6	10119.7	11454.5	12789.1	13200.6	13612.1
40°	6597.8	8375.2	10152.7	11859.8	13566.4	14166.0	14765.7
42.5°	6196.2	8205.5	10215.4	12390.0	14564.5	15430.1	16295.7
45°	5770.5	8047.9	10325.5	13087.7	15849.9	17017.4	18184.9
47.5°	5434.3	7917.7	10401.1	13831.0	17261.1	18904.5	20547.7
50°	5199.9	7775.9	10351.7	14520.8	18689.8	21167.4	23644.5
52.5°	5024.8	7536.1	10047.9	14968.7	19889.1	23544.2	27199.5
55°	4857.6	7138.8	9420.2	14870.0	20319.4	25651.6	30984.2
57.5°	4670.0	6578.7	8487.1	14175.3	19863.8	27145.2	34426.6
60°	4467.1	5851.4	7235.7	12882.6	18529.4	27518.4	36507.1
62.5°	4135.8	4980.9	5826.1	11134.6	16443.0	25946.8	35450.6
65°	3803.3	4197.8	4592.3	9351.1	14110.3	23723.2	33336.2
67.5°	3332.9	3445.1	3557.1	7604.0	11651.0	21077.0	30503.0
70°	2758.2	2726.4	2694.3	5987.1	9279.8	18189.5	27099.3
72.5°	2271.8	2174.9	2078.4	4577.1	7075.9	15059.3	23043.0
75°	1789.0	1701.4	1613.9	3322.0	5030.3	11471.1	17911.9
77.5°	1361.8	1302.0	1242.4	2251.1	3259.7	8028.7	12797.7
80°	980.9	956.2	931.5	1450.4	1969.4	5172.8	8376.1
82.5°	674.9	669.9	665.6	892.1	1119.1	2993.8	4869.0
85°	397.9	400.4	402.5	476.8	551.6	1346.7	2142.2
87.5°	172.1	174.2	176.4	197.7	219.0	441.1	663.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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