

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: P971569

Luminaire Tested: **NAV-SB6D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971569
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-830-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56630.2 lumens
Efficiency: N/A
Efficacy: 128.7 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

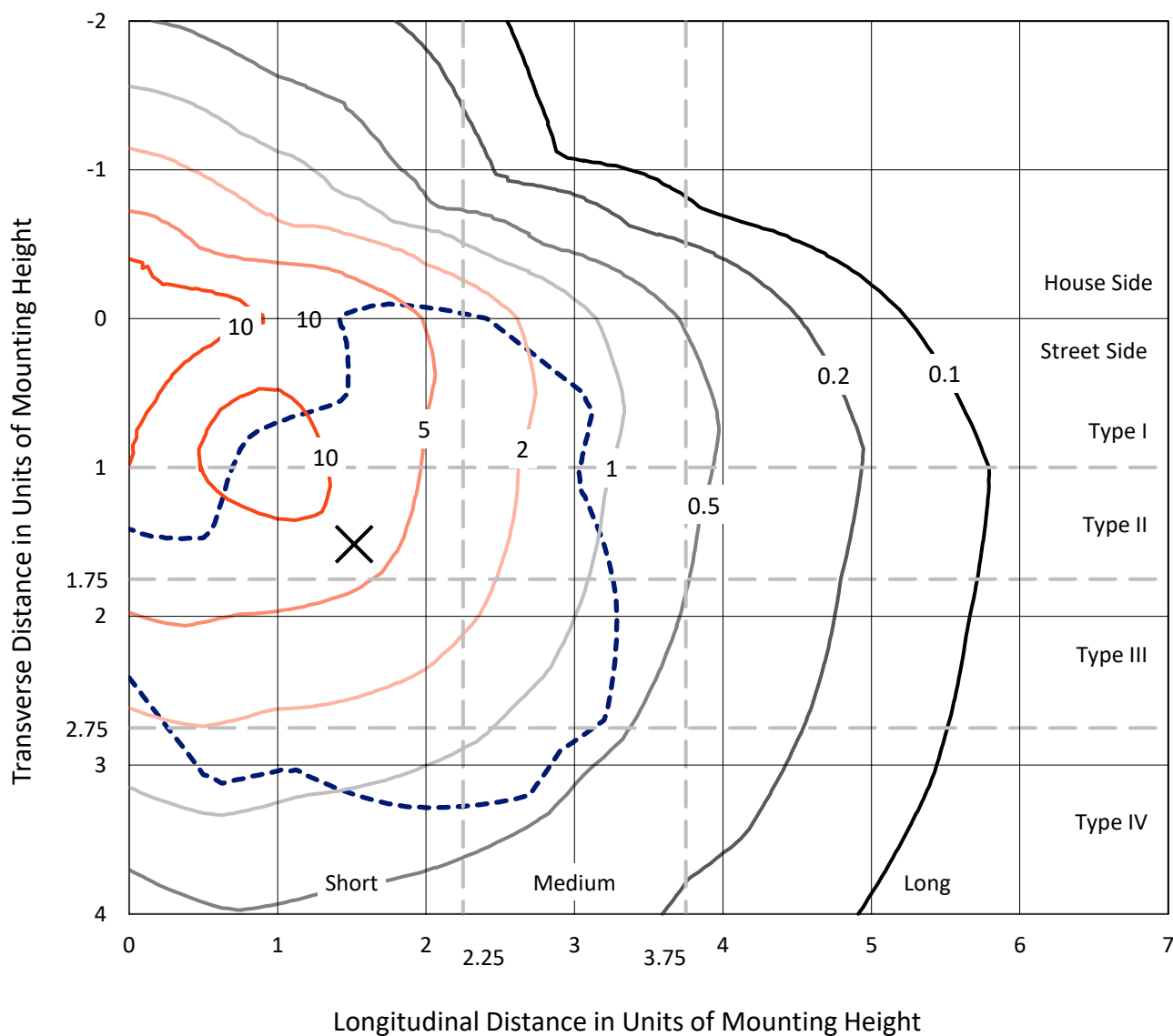


REPORT NUMBER: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

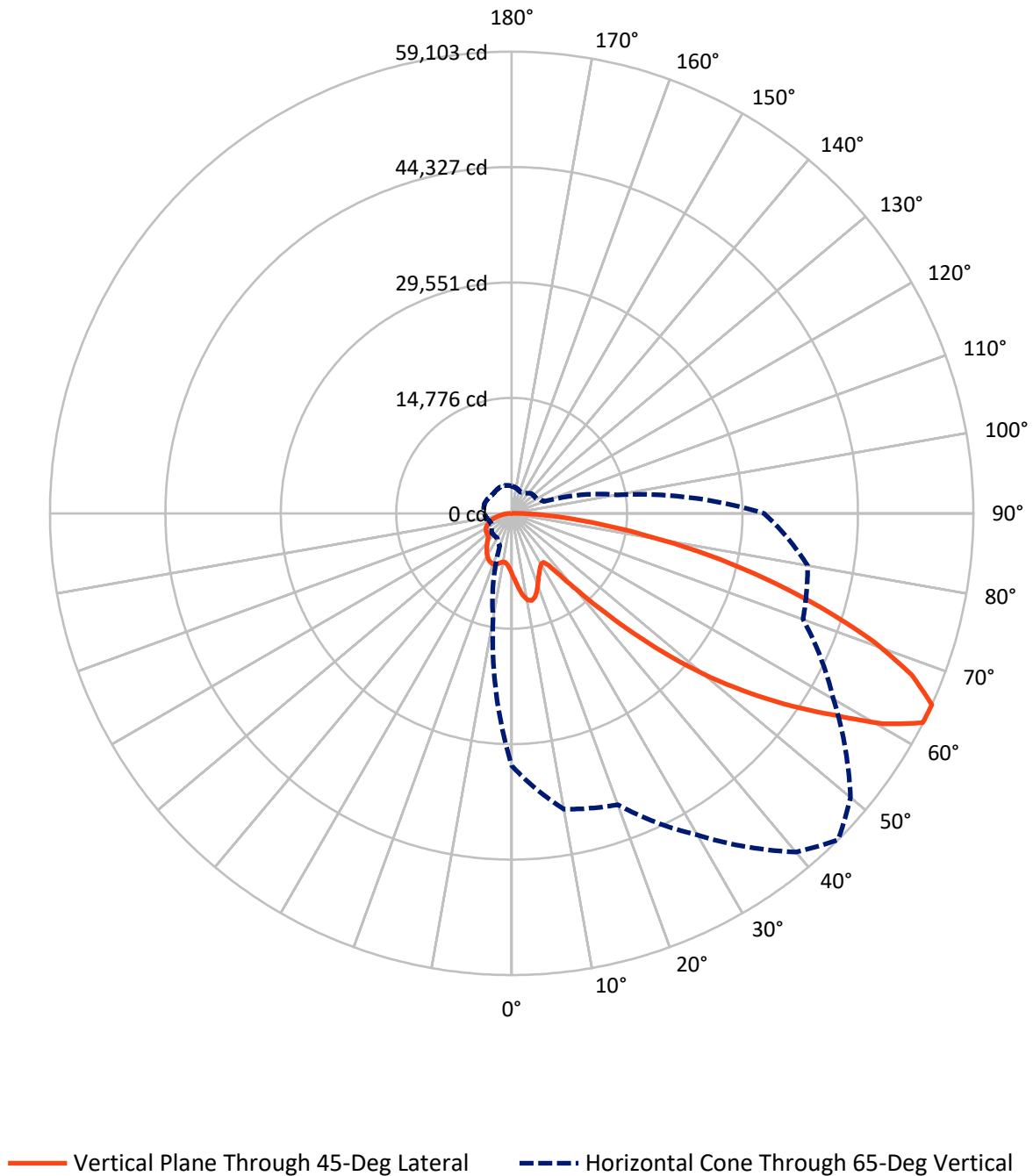
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
Type IV - Short - N/A

REPORT NUMBER: P971569
CATALOG NUMBER: NAV-SB6D-830-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

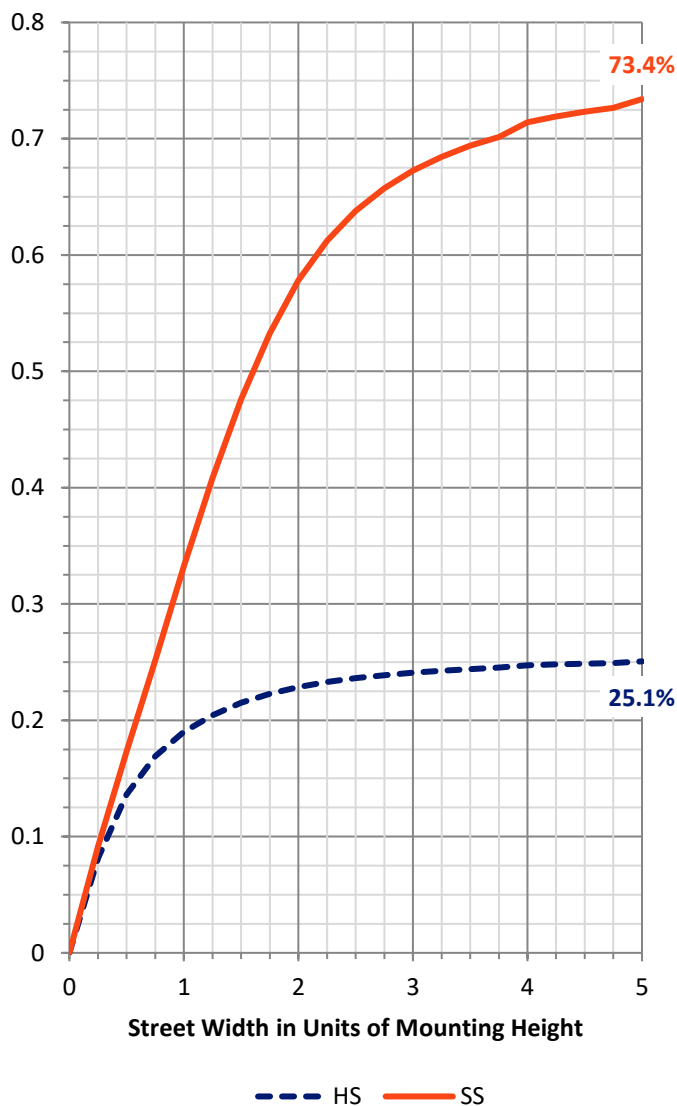
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14392.6	0.0	14392.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	42237.7	0.0	42237.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	56630.2	0.0	56630.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.5	1.4
10°-20°	2425.0	4.3
20°-30°	3745.7	6.6
30°-40°	4746.8	8.4
40°-50°	7159.4	12.6
50°-60°	11567.0	20.4
60°-70°	14420.1	25.5
70°-80°	9456.0	16.7
80°-90°	2337.8	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°	56630.2	100.0
0°-180°	56630.2	100.0

Coefficient of Utilization



REPORT NUMBER: P971569

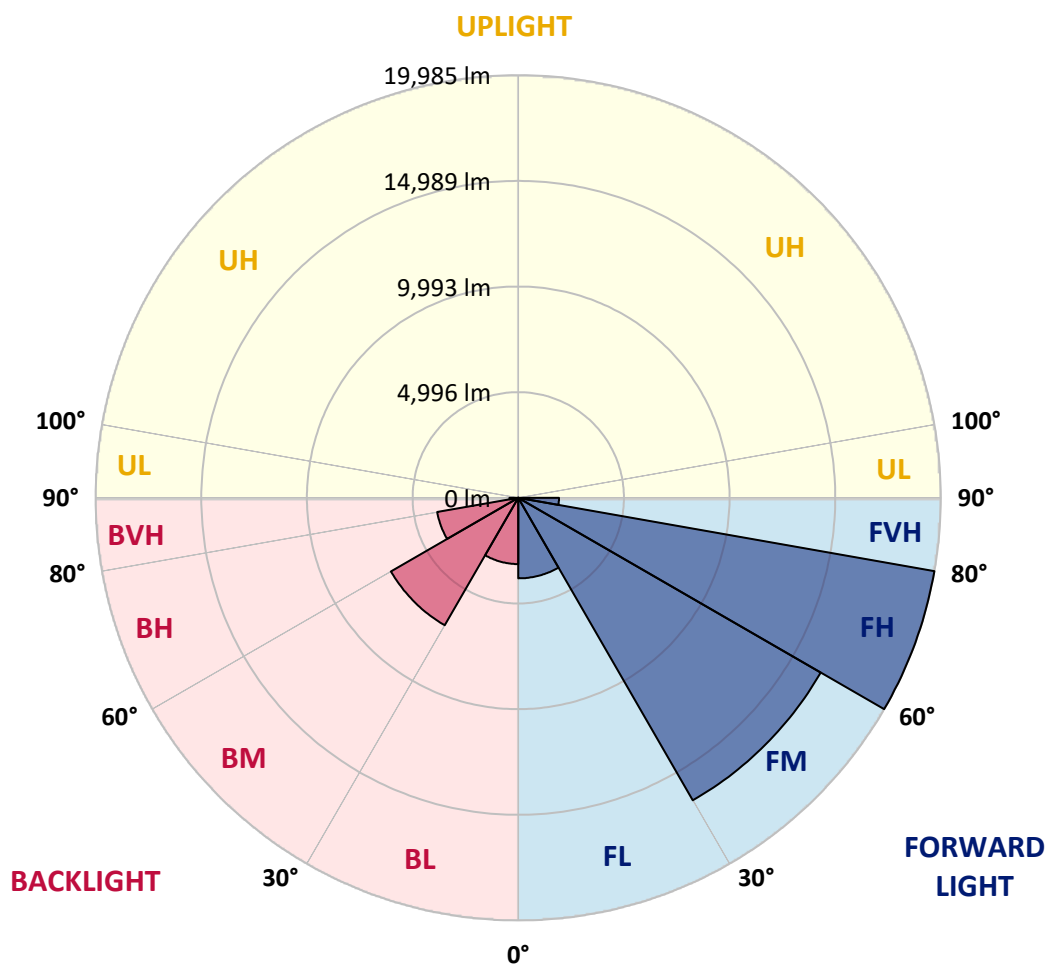
CATALOG NUMBER: NAV-SB6D-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3809.0	6.7			
FM	(30°-60°)	16517.8	29.2			
FH	(60°-80°)	19985.0	35.3			G5
FVH	(80°-90°)	1925.8	3.4			G5
BL	(0°-30°)	3134.2	5.5	B4/5000		
BM	(30°-60°)	6955.4	12.3	B4/8500		
BH	(60°-80°)	3891.1	6.9	B4/5000		G4/5000
BVH	(80°-90°)	412.0	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



REPORT NUMBER: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	8374.4	8406.0	8438.0	8483.1	8528.2	8555.1	8582.0	8595.4	8608.9	8602.9	8608.9
5°	9004.8	9115.6	9226.8	9336.8	9447.1	9506.9	9566.6	9602.7	9639.2	9666.7	9639.2
7.5°	9638.3	9818.8	9999.0	10161.2	10323.5	10421.2	10519.0	10571.8	10624.4	10649.7	10624.4
10°	10123.9	10337.2	10550.6	10741.0	10931.3	11046.6	11161.3	11212.8	11263.8	11283.3	11263.8
12.5°	10421.2	10652.5	10883.4	11055.5	11227.1	11310.8	11394.4	11422.5	11450.6	11453.7	11450.6
15°	10602.0	10801.6	11000.9	11108.7	11217.0	11220.0	11222.9	11193.0	11163.2	11127.9	11163.2
17.5°	10703.6	10838.3	10973.1	10975.2	10977.0	10856.0	10734.9	10624.1	10512.9	10434.6	10512.9
20°	10815.6	10862.5	10909.8	10767.8	10625.9	10358.8	10091.6	9897.1	9702.5	9583.0	9702.5
22.5°	10945.7	10884.1	10822.6	10528.5	10234.4	9841.5	9448.6	9205.3	8962.1	8830.0	8962.1
25°	11112.9	10918.7	10724.5	10278.1	9831.6	9354.5	8877.2	8621.5	8366.3	8241.3	8366.3
27.5°	11340.1	10992.8	10645.3	10053.9	9462.9	8934.0	8405.1	8153.5	7902.2	7784.2	7902.2
30°	11646.4	11128.5	10611.0	9883.0	9155.1	8604.2	8053.1	7819.7	7586.3	7476.4	7586.3
32.5°	12007.9	11298.8	10590.0	9766.5	8942.9	8425.1	7907.3	7724.1	7540.6	7461.4	7540.6
35°	12447.2	11579.4	10712.0	9853.7	8995.8	8636.0	8276.6	8233.8	8191.2	8184.5	8191.2
37.5°	13186.7	12166.0	11145.2	10365.3	9585.4	9562.1	9538.8	9734.2	9929.7	10031.3	9929.7
40°	14304.3	13194.2	12084.1	11504.1	10924.1	11333.5	11742.9	12218.0	12693.1	12929.8	12693.1
42.5°	15786.4	14685.0	13583.6	13249.5	12915.4	13808.3	14701.2	15565.3	16429.5	16936.9	16429.5
45°	17616.7	16627.3	15637.6	15490.3	15342.7	16773.1	18203.9	19623.8	21044.1	21906.2	21044.1
47.5°	19905.6	18943.1	17980.3	17950.5	17920.6	19984.2	22047.2	24126.1	26204.6	27425.3	26204.6
50°	22905.8	21716.8	20528.1	20533.1	20538.2	23197.7	25857.2	28601.2	31345.2	33004.2	31345.2
52.5°	26349.6	24909.9	23470.4	23325.0	23179.1	26355.8	29532.6	32927.7	36322.6	38311.2	36322.6
55°	30016.1	28593.7	27171.3	26603.9	26036.4	29572.1	33107.3	37154.8	41202.2	43567.3	41202.2
57.5°	33350.8	32576.3	31801.4	30663.3	29525.4	33095.4	36665.3	41249.8	45833.9	48766.7	45833.9
60°	35366.4	36569.4	37772.7	36359.3	34945.9	38324.3	41702.7	46611.1	51519.5	54689.3	51519.5
62.5°	34342.9	37630.2	40917.5	40758.2	40598.6	43693.5	46788.6	51458.5	56128.1	59057.9	56128.1
65°	32294.6	35379.8	38465.1	39075.6	39685.7	43618.8	47552.1	52080.4	56608.3	59102.8	56608.3
67.5°	29549.9	32484.3	35418.7	35705.0	35990.9	40088.9	44186.5	48734.2	53281.9	55236.1	53281.9
70°	26252.5	29444.2	32636.1	32764.0	32892.1	36556.8	40221.2	44134.9	48048.1	49134.3	48048.1
72.5°	22323.1	25985.6	29648.5	29740.6	29832.3	32699.4	35566.6	38497.7	41428.4	41538.4	41428.4
75°	17352.2	21143.0	24933.8	25274.1	25614.5	27845.2	30075.9	32139.2	34202.5	33649.6	34202.5
77.5°	12397.9	15936.5	19475.3	19962.4	20449.5	22145.2	23841.0	25304.4	26768.0	25817.7	26768.0
80°	8114.3	11091.4	14068.2	14673.7	15279.1	16559.8	17839.9	18608.5	19376.7	17848.3	19376.7
82.5°	4716.8	6752.1	8787.5	9463.8	10140.3	11021.8	11903.3	12223.9	12544.3	11343.1	12544.3
85°	2075.3	3155.5	4235.7	4810.9	5386.2	6110.5	6834.5	7016.5	7198.5	6236.3	7198.5
87.5°	642.5	1005.5	1368.6	1689.5	2010.4	2372.6	2734.8	2750.3	2765.6	2321.8	2765.6
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	8595.4	8582.0	8555.1	8528.2	8483.1	8438.0	8406.0	8374.4	8310.1	8245.8	8177.3
5°	9602.7	9566.6	9506.9	9447.1	9336.8	9226.8	9115.6	9004.8	8862.9	8720.9	8579.4
7.5°	10571.8	10519.0	10421.2	10323.5	10161.2	9999.0	9818.8	9638.3	9404.1	9170.1	8953.7
10°	11212.8	11161.3	11046.6	10931.3	10741.0	10550.6	10337.2	10123.9	9827.8	9531.7	9245.7
12.5°	11422.5	11394.4	11310.8	11227.1	11055.5	10883.4	10652.5	10421.2	10095.8	9770.7	9446.8
15°	11193.0	11222.9	11220.0	11217.0	11108.7	11000.9	10801.6	10602.0	10262.8	9923.6	9572.3
17.5°	10624.1	10734.9	10856.0	10977.0	10975.2	10973.1	10838.3	10703.6	10359.7	10015.7	9632.3
20°	9897.1	10091.6	10358.8	10625.9	10767.8	10909.8	10862.5	10815.6	10458.3	10100.6	9679.3
22.5°	9205.3	9448.6	9841.5	10234.4	10528.5	10822.6	10884.1	10945.7	10580.5	10215.0	9742.6
25°	8621.5	8877.2	9354.5	9831.6	10278.1	10724.5	10918.7	11112.9	10755.0	10397.3	9857.3
27.5°	8153.5	8405.1	8934.0	9462.9	10053.9	10645.3	10992.8	11340.1	10998.9	10657.2	10036.6
30°	7819.7	8053.1	8604.2	9155.1	9883.0	10611.0	11128.5	11646.4	11316.4	10986.9	10268.9
32.5°	7724.1	7907.3	8425.1	8942.9	9766.5	10590.0	11298.8	12007.9	11681.3	11355.1	10511.2
35°	8233.8	8276.6	8636.0	8995.8	9853.7	10712.0	11579.4	12447.2	12134.7	11821.7	10787.3
37.5°	9734.2	9538.8	9562.1	9585.4	10365.3	11145.2	12166.0	13186.7	12788.1	12389.5	11096.5
40°	12218.0	11742.9	11333.5	10924.1	11504.1	12084.1	13194.2	14304.3	13723.4	13142.6	11489.2
42.5°	15565.3	14701.2	13808.3	12915.4	13249.5	13583.6	14685.0	15786.4	14948.0	14109.5	12002.9
45°	19623.8	18203.9	16773.1	15342.7	15490.3	15637.6	16627.3	17616.7	16485.7	15354.7	12678.7
47.5°	24126.1	22047.2	19984.2	17920.6	17950.5	17980.3	18943.1	19905.6	18313.9	16721.7	13398.9
50°	28601.2	25857.2	23197.7	20538.2	20533.1	20528.1	21716.8	22905.8	20505.9	18105.8	14067.1
52.5°	32927.7	29532.6	26355.8	23179.1	23325.0	23470.4	24909.9	26349.6	22808.6	19267.6	14501.0
55°	37154.8	33107.3	29572.1	26036.4	26603.9	27171.3	28593.7	30016.1	24850.1	19684.5	14405.4
57.5°	41249.8	36665.3	33095.4	29525.4	30663.3	31801.4	32576.3	33350.8	26297.0	19243.1	13732.3
60°	46611.1	41702.7	38324.3	34945.9	36359.3	37772.7	36569.4	35366.4	26658.6	17950.5	12480.1
62.5°	51458.5	46788.6	43693.5	40598.6	40758.2	40917.5	37630.2	34342.9	25136.1	15929.3	10786.7
65°	52080.4	47552.1	43618.8	39685.7	39075.6	38465.1	35379.8	32294.6	22981.9	13669.3	9058.9
67.5°	48734.2	44186.5	40088.9	35990.9	35705.0	35418.7	32484.3	29549.9	20418.4	11286.9	7366.4
70°	44134.9	40221.2	36556.8	32892.1	32764.0	32636.1	29444.2	26252.5	17621.2	8989.9	5800.1
72.5°	38497.7	35566.6	32699.4	29832.3	29740.6	29648.5	25985.6	22323.1	14588.8	6854.8	4434.2
75°	32139.2	30075.9	27845.2	25614.5	25274.1	24933.8	21143.0	17352.2	11112.6	4873.1	3218.3
77.5°	25304.4	23841.0	22145.2	20449.5	19962.4	19475.3	15936.5	12397.9	7777.9	3157.9	2180.8
80°	18608.5	17839.9	16559.8	15279.1	14673.7	14068.2	11091.4	8114.3	5011.1	1907.9	1405.1
82.5°	12223.9	11903.3	11021.8	10140.3	9463.8	8787.5	6752.1	4716.8	2900.3	1084.1	864.2
85°	7016.5	6834.5	6110.5	5386.2	4810.9	4235.7	3155.5	2075.3	1304.6	534.3	462.0
87.5°	2750.3	2734.8	2372.6	2010.4	1689.5	1368.6	1005.5	642.5	427.3	212.2	191.6
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	8109.3	8040.5	7971.8	7906.0	7840.3	7776.7	7705.8	7648.4	7591.5	7539.7	7488.3
5°	8438.0	8295.4	8153.2	8020.2	7887.3	7761.7	7637.7	7529.5	7421.1	7330.3	7239.7
7.5°	8737.4	8526.7	8316.0	8130.5	7944.9	7773.7	7613.2	7469.2	7325.5	7206.0	7086.4
10°	8960.0	8704.2	8448.2	8228.8	8008.8	7797.6	7625.2	7473.4	7321.6	7202.1	7082.5
12.5°	9122.8	8821.0	8519.3	8270.9	8022.6	7800.6	7640.1	7515.8	7392.1	7312.7	7233.7
15°	9220.9	8873.3	8525.8	8238.3	7950.9	7704.9	7576.5	7517.0	7457.8	7468.6	7479.3
17.5°	9249.0	8845.5	8442.1	8096.4	7750.6	7461.4	7382.3	7404.1	7425.6	7555.9	7686.2
20°	9257.9	8769.1	8280.2	7851.7	7423.2	7086.4	7065.5	7167.1	7268.7	7494.9	7721.4
22.5°	9269.9	8675.2	8080.6	7564.5	7048.5	6665.1	6706.1	6856.3	7006.6	7264.8	7523.6
25°	9317.0	8582.6	7848.4	7243.9	6639.6	6246.8	6357.4	6530.6	6703.9	6936.1	7168.6
27.5°	9415.6	8520.7	7625.8	6950.7	6275.8	5918.0	6052.5	6219.9	6387.2	6578.1	6768.8
30°	9550.7	8491.7	7432.2	6705.8	5979.3	5679.0	5784.5	5917.1	6050.5	6208.8	6367.2
32.5°	9667.3	8455.9	7243.9	6494.5	5744.7	5502.7	5549.7	5628.2	5706.8	5833.2	5959.9
35°	9752.8	8388.4	7024.5	6286.8	5549.0	5347.3	5327.8	5349.4	5371.2	5467.8	5563.9
37.5°	9803.5	8272.7	6741.8	6042.4	5342.8	5166.5	5095.4	5071.5	5047.6	5116.9	5186.0
40°	9835.5	8113.5	6391.7	5750.8	5109.7	4949.9	4840.8	4786.8	4732.6	4782.5	4832.5
42.5°	9896.2	7949.1	6002.6	5428.9	4855.1	4707.8	4570.4	4498.7	4427.0	4467.6	4508.6
45°	10002.9	7796.5	5590.2	5087.1	4583.8	4434.5	4301.4	4231.5	4161.9	4195.9	4230.6
47.5°	10076.1	7670.3	5264.5	4816.6	4368.7	4176.0	4061.5	4002.9	3944.4	3976.7	4008.6
50°	10028.3	7532.8	5037.5	4637.0	4236.6	3983.3	3850.2	3798.2	3746.6	3796.8	3847.2
52.5°	9733.9	7300.7	4867.7	4518.7	4170.0	3878.6	3692.8	3641.4	3590.3	3665.9	3741.1
55°	9125.9	6915.8	4705.8	4432.9	4160.1	3889.1	3609.1	3527.8	3446.9	3554.1	3661.1
57.5°	8221.9	6373.1	4524.0	4331.3	4138.6	3899.5	3558.9	3440.6	3322.2	3437.5	3553.0
60°	7009.7	5668.6	4327.4	4176.0	4024.5	3866.7	3511.6	3358.4	3204.8	3306.1	3407.1
62.5°	5644.1	4825.3	4006.5	3905.9	3805.4	3786.0	3456.7	3264.8	3073.4	3137.5	3201.8
65°	4448.8	4066.6	3684.4	3636.9	3589.3	3591.8	3340.8	3137.0	2932.8	2957.6	2982.1
67.5°	3445.9	3337.5	3228.7	3255.3	3281.6	3275.0	3133.9	2964.3	2794.6	2786.8	2779.0
70°	2610.2	2641.2	2672.0	2795.2	2918.0	2918.0	2871.6	2750.9	2630.1	2603.3	2576.4
72.5°	2013.4	2107.0	2200.8	2375.3	2549.5	2578.8	2579.4	2496.6	2413.9	2374.4	2335.3
75°	1563.4	1648.3	1733.2	1928.5	2124.0	2259.0	2247.7	2184.1	2120.1	2082.5	2044.5
77.5°	1203.7	1261.3	1319.3	1509.0	1698.7	1921.4	1915.4	1864.3	1813.2	1775.0	1736.8
80°	902.4	926.3	950.3	1111.0	1271.5	1537.4	1536.5	1493.7	1450.8	1418.8	1386.5
82.5°	644.8	649.0	653.8	772.1	890.5	1117.6	1130.2	1109.3	1088.2	1065.6	1042.8
85°	389.9	387.9	385.5	472.1	558.8	727.6	744.0	721.6	699.3	673.8	648.4
87.5°	171.0	168.8	166.8	202.0	237.6	307.8	328.7	319.7	310.8	306.0	301.2
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	7443.2	7398.0	7352.6	7307.5	7272.6	7237.3	7208.9	7180.5	7158.4	7136.4	7116.0
5°	7159.6	7079.6	7006.9	6934.0	6878.2	6822.0	6782.8	6743.7	6715.9	6688.1	6666.9
7.5°	6985.7	6884.7	6795.6	6706.9	6640.3	6573.9	6527.3	6480.8	6448.8	6417.1	6397.9
10°	6974.1	6865.3	6765.2	6665.1	6585.6	6505.8	6453.8	6401.2	6371.1	6340.9	6324.8
12.5°	7148.2	7063.4	6959.7	6856.3	6754.7	6653.2	6585.9	6518.7	6484.9	6451.5	6437.7
15°	7457.3	7435.1	7345.2	7255.3	7110.6	6966.0	6863.8	6761.6	6714.7	6668.0	6650.2
17.5°	7755.5	7824.5	7751.9	7679.6	7488.0	7296.5	7145.9	6995.3	6925.9	6856.3	6833.6
20°	7866.4	8011.3	7977.8	7944.1	7725.0	7506.3	7321.6	7137.2	7048.5	6959.4	6931.0
22.5°	7712.1	7900.7	7921.0	7941.1	7731.9	7522.7	7332.6	7142.3	7048.7	6954.9	6923.6
25°	7354.2	7539.7	7609.1	7678.1	7506.6	7335.3	7166.2	6997.7	6916.4	6835.4	6805.8
27.5°	6917.6	7066.4	7143.5	7220.9	7098.6	6976.8	6845.6	6714.4	6660.0	6605.3	6591.9
30°	6490.6	6614.3	6677.1	6739.8	6646.8	6553.6	6459.8	6365.4	6337.6	6309.5	6309.5
32.5°	6078.2	6196.8	6266.4	6336.3	6251.0	6165.2	6090.1	6015.2	5997.0	5978.7	5981.1
35°	5681.1	5798.5	5882.2	5965.9	5904.9	5844.2	5775.0	5705.9	5678.1	5650.6	5644.7
37.5°	5302.8	5419.9	5523.3	5626.7	5598.7	5570.6	5506.9	5443.0	5392.4	5342.2	5315.6
40°	4945.4	5058.4	5177.3	5296.5	5303.3	5309.9	5255.9	5201.8	5128.3	5055.4	5005.8
42.5°	4615.5	4722.8	4851.3	4979.8	5014.1	5048.5	5002.8	4957.3	4866.2	4775.1	4703.1
45°	4332.3	4433.8	4567.1	4700.3	4749.6	4798.9	4757.7	4716.8	4612.5	4508.6	4424.0
47.5°	4108.1	4207.3	4338.8	4470.3	4527.0	4583.8	4555.1	4526.5	4433.8	4341.2	4262.9
50°	3941.1	4034.6	4152.4	4270.0	4343.0	4415.9	4414.1	4412.9	4338.8	4264.7	4192.4
52.5°	3827.2	3913.0	4022.6	4132.6	4219.0	4305.3	4320.9	4336.5	4276.1	4215.7	4150.8
55°	3753.8	3846.3	3942.6	4038.5	4129.9	4221.7	4243.2	4264.7	4212.1	4159.6	4102.8
57.5°	3661.7	3770.5	3865.5	3960.8	4053.2	4145.2	4167.0	4188.8	4135.6	4082.5	4026.2
60°	3532.0	3656.9	3753.4	3850.2	3942.9	4035.5	4059.4	4083.3	4031.3	3979.7	3921.6
62.5°	3347.3	3493.2	3596.2	3699.3	3784.2	3869.1	3892.0	3915.1	3868.1	3821.3	3760.3
65°	3138.1	3294.5	3393.1	3491.7	3566.4	3641.1	3664.7	3688.0	3642.8	3597.7	3538.6
67.5°	2923.0	3067.3	3160.9	3254.1	3318.6	3383.2	3406.2	3428.9	3387.4	3346.1	3291.2
70°	2703.1	2829.8	2910.5	2991.2	3049.4	3107.7	3129.8	3151.9	3118.2	3084.3	3031.7
72.5°	2435.1	2534.5	2607.5	2680.4	2737.5	2794.6	2820.8	2847.1	2819.1	2791.0	2740.7
75°	2118.6	2192.7	2258.8	2324.8	2376.8	2428.7	2456.3	2483.8	2470.0	2456.3	2414.2
77.5°	1797.0	1857.1	1913.9	1970.7	2025.4	2079.7	2105.5	2131.2	2112.0	2092.3	2049.9
80°	1436.7	1486.7	1534.4	1582.2	1623.8	1665.0	1699.0	1733.2	1724.8	1716.7	1659.6
82.5°	1038.7	1034.5	1017.7	1001.0	1089.5	1177.9	1235.9	1293.9	1290.3	1286.4	1238.3
85°	626.9	605.1	558.8	512.5	595.2	678.3	750.0	821.7	815.8	809.7	772.1
87.5°	300.3	299.4	264.1	228.6	263.2	298.2	327.2	356.2	349.0	341.2	322.2
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	7095.4	7069.9	7095.4	7116.0	7136.4	7158.4	7180.5	7208.9	7237.3	7272.6	7307.5
5°	6645.7	6624.8	6645.7	6666.9	6688.1	6715.9	6743.7	6782.8	6822.0	6878.2	6934.0
7.5°	6379.1	6364.7	6379.1	6397.9	6417.1	6448.8	6480.8	6527.3	6573.9	6640.3	6706.9
10°	6308.6	6302.0	6308.6	6324.8	6340.9	6371.1	6401.2	6453.8	6505.8	6585.6	6665.1
12.5°	6424.0	6421.5	6424.0	6437.7	6451.5	6484.9	6518.7	6585.9	6653.2	6754.7	6856.3
15°	6632.3	6630.7	6632.3	6650.2	6668.0	6714.7	6761.6	6863.8	6966.0	7110.6	7255.3
17.5°	6810.6	6807.0	6810.6	6833.6	6856.3	6925.9	6995.3	7145.9	7296.5	7488.0	7679.6
20°	6902.7	6893.6	6902.7	6931.0	6959.4	7048.5	7137.2	7321.6	7506.3	7725.0	7944.1
22.5°	6892.2	6878.8	6892.2	6923.6	6954.9	7048.7	7142.3	7332.6	7522.7	7731.9	7941.1
25°	6776.6	6759.3	6776.6	6805.8	6835.4	6916.4	6997.7	7166.2	7335.3	7506.6	7678.1
27.5°	6578.4	6573.9	6578.4	6591.9	6605.3	6660.0	6714.4	6845.6	6976.8	7098.6	7220.9
30°	6309.5	6314.0	6309.5	6309.5	6309.5	6337.6	6365.4	6459.8	6553.6	6646.8	6739.8
32.5°	5983.7	5988.3	5983.7	5981.1	5978.7	5997.0	6015.2	6090.1	6165.2	6251.0	6336.3
35°	5638.6	5635.7	5638.6	5644.7	5650.6	5678.1	5705.9	5775.0	5844.2	5904.9	5965.9
37.5°	5289.0	5274.1	5289.0	5315.6	5342.2	5392.4	5443.0	5506.9	5570.6	5598.7	5626.7
40°	4956.8	4927.5	4956.8	5005.8	5055.4	5128.3	5201.8	5255.9	5309.9	5303.3	5296.5
42.5°	4631.1	4583.8	4631.1	4703.1	4775.1	4866.2	4957.3	5002.8	5048.5	5014.1	4979.8
45°	4339.4	4285.0	4339.4	4424.0	4508.6	4612.5	4716.8	4757.7	4798.9	4749.6	4700.3
47.5°	4184.9	4132.6	4184.9	4262.9	4341.2	4433.8	4526.5	4555.1	4583.8	4527.0	4470.3
50°	4120.1	4069.9	4120.1	4192.4	4264.7	4338.8	4412.9	4414.1	4415.9	4343.0	4270.0
52.5°	4086.3	4040.0	4086.3	4150.8	4215.7	4276.1	4336.5	4320.9	4305.3	4219.0	4132.6
55°	4046.0	4004.2	4046.0	4102.8	4159.6	4212.1	4264.7	4243.2	4221.7	4129.9	4038.5
57.5°	3969.7	3926.5	3969.7	4026.2	4082.5	4135.6	4188.8	4167.0	4145.2	4053.2	3960.8
60°	3863.7	3818.8	3863.7	3921.6	3979.7	4031.3	4083.3	4059.4	4035.5	3942.9	3850.2
62.5°	3699.3	3645.5	3699.3	3760.3	3821.3	3868.1	3915.1	3892.0	3869.1	3784.2	3699.3
65°	3479.7	3433.4	3479.7	3538.6	3597.7	3642.8	3688.0	3664.7	3641.1	3566.4	3491.7
67.5°	3236.1	3194.3	3236.1	3291.2	3346.1	3387.4	3428.9	3406.2	3383.2	3318.6	3254.1
70°	2979.2	2931.4	2979.2	3031.7	3084.3	3118.2	3151.9	3129.8	3107.7	3049.4	2991.2
72.5°	2690.8	2644.5	2690.8	2740.7	2791.0	2819.1	2847.1	2820.8	2794.6	2737.5	2680.4
75°	2372.0	2327.8	2372.0	2414.2	2456.3	2470.0	2483.8	2456.3	2428.7	2376.8	2324.8
77.5°	2007.5	1972.2	2007.5	2049.9	2092.3	2112.0	2131.2	2105.5	2079.7	2025.4	1970.7
80°	1602.3	1536.0	1602.3	1659.6	1716.7	1724.8	1733.2	1699.0	1665.0	1623.8	1582.2
82.5°	1189.9	1147.5	1189.9	1238.3	1286.4	1290.3	1293.9	1235.9	1177.9	1089.5	1001.0
85°	734.5	696.3	734.5	772.1	809.7	815.8	821.7	750.0	678.3	595.2	512.5
87.5°	302.4	283.9	302.4	322.2	341.2	349.0	356.2	327.2	298.2	263.2	228.6
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	7352.6	7398.0	7443.2	7488.3	7539.7	7591.5	7648.4	7705.8	7776.7	7840.3	7906.0
5°	7006.9	7079.6	7159.6	7239.7	7330.3	7421.1	7529.5	7637.7	7761.7	7887.3	8020.2
7.5°	6795.6	6884.7	6985.7	7086.4	7206.0	7325.5	7469.2	7613.2	7773.7	7944.9	8130.5
10°	6765.2	6865.3	6974.1	7082.5	7202.1	7321.6	7473.4	7625.2	7797.6	8008.8	8228.8
12.5°	6959.7	7063.4	7148.2	7233.7	7312.7	7392.1	7515.8	7640.1	7800.6	8022.6	8270.9
15°	7345.2	7435.1	7457.3	7479.3	7468.6	7457.8	7517.0	7576.5	7704.9	7950.9	8238.3
17.5°	7751.9	7824.5	7755.5	7686.2	7555.9	7425.6	7404.1	7382.3	7461.4	7750.6	8096.4
20°	7977.8	8011.3	7866.4	7721.4	7494.9	7268.7	7167.1	7065.5	7086.4	7423.2	7851.7
22.5°	7921.0	7900.7	7712.1	7523.6	7264.8	7006.6	6856.3	6706.1	6665.1	7048.5	7564.5
25°	7609.1	7539.7	7354.2	7168.6	6936.1	6703.9	6530.6	6357.4	6246.8	6639.6	7243.9
27.5°	7143.5	7066.4	6917.6	6768.8	6578.1	6387.2	6219.9	6052.5	5918.0	6275.8	6950.7
30°	6677.1	6614.3	6490.6	6367.2	6208.8	6050.5	5917.1	5784.5	5679.0	5979.3	6705.8
32.5°	6266.4	6196.8	6078.2	5959.9	5833.2	5706.8	5628.2	5549.7	5502.7	5744.7	6494.5
35°	5882.2	5798.5	5681.1	5563.9	5467.8	5371.2	5349.4	5327.8	5347.3	5549.0	6286.8
37.5°	5523.3	5419.9	5302.8	5186.0	5116.9	5047.6	5071.5	5095.4	5166.5	5342.8	6042.4
40°	5177.3	5058.4	4945.4	4832.5	4782.5	4732.6	4786.8	4840.8	4949.9	5109.7	5750.8
42.5°	4851.3	4722.8	4615.5	4508.6	4467.6	4427.0	4498.7	4570.4	4707.8	4855.1	5428.9
45°	4567.1	4433.8	4332.3	4230.6	4195.9	4161.9	4231.5	4301.4	4434.5	4583.8	5087.1
47.5°	4338.8	4207.3	4108.1	4008.6	3976.7	3944.4	4002.9	4061.5	4176.0	4368.7	4816.6
50°	4152.4	4034.6	3941.1	3847.2	3796.8	3746.6	3798.2	3850.2	3983.3	4236.6	4637.0
52.5°	4022.6	3913.0	3827.2	3741.1	3665.9	3590.3	3641.4	3692.8	3878.6	4170.0	4518.7
55°	3942.6	3846.3	3753.8	3661.1	3554.1	3446.9	3527.8	3609.1	3889.1	4160.1	4432.9
57.5°	3865.5	3770.5	3661.7	3553.0	3437.5	3322.2	3440.6	3558.9	3899.5	4138.6	4331.3
60°	3753.4	3656.9	3532.0	3407.1	3306.1	3204.8	3358.4	3511.6	3866.7	4024.5	4176.0
62.5°	3596.2	3493.2	3347.3	3201.8	3137.5	3073.4	3264.8	3456.7	3786.0	3805.4	3905.9
65°	3393.1	3294.5	3138.1	2982.1	2957.6	2932.8	3137.0	3340.8	3591.8	3589.3	3636.9
67.5°	3160.9	3067.3	2923.0	2779.0	2786.8	2794.6	2964.3	3133.9	3275.0	3281.6	3255.3
70°	2910.5	2829.8	2703.1	2576.4	2603.3	2630.1	2750.9	2871.6	2918.0	2918.0	2795.2
72.5°	2607.5	2534.5	2435.1	2335.3	2374.4	2413.9	2496.6	2579.4	2578.8	2549.5	2375.3
75°	2258.8	2192.7	2118.6	2044.5	2082.5	2120.1	2184.1	2247.7	2259.0	2124.0	1928.5
77.5°	1913.9	1857.1	1797.0	1736.8	1775.0	1813.2	1864.3	1915.4	1921.4	1698.7	1509.0
80°	1534.4	1486.7	1436.7	1386.5	1418.8	1450.8	1493.7	1536.5	1537.4	1271.5	1111.0
82.5°	1017.7	1034.5	1038.7	1042.8	1065.6	1088.2	1109.3	1130.2	1117.6	890.5	772.1
85°	558.8	605.1	626.9	648.4	673.8	699.3	721.6	744.0	727.6	558.8	472.1
87.5°	264.1	299.4	300.3	301.2	306.0	310.8	319.7	328.7	307.8	237.6	202.0
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: P971569

CATALOG NUMBER: NAV-SB6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1	7787.1
2.5°	7971.8	8040.5	8109.3	8177.3	8245.8	8310.1	8374.4
5°	8153.2	8295.4	8438.0	8579.4	8720.9	8862.9	9004.8
7.5°	8316.0	8526.7	8737.4	8953.7	9170.1	9404.1	9638.3
10°	8448.2	8704.2	8960.0	9245.7	9531.7	9827.8	10123.9
12.5°	8519.3	8821.0	9122.8	9446.8	9770.7	10095.8	10421.2
15°	8525.8	8873.3	9220.9	9572.3	9923.6	10262.8	10602.0
17.5°	8442.1	8845.5	9249.0	9632.3	10015.7	10359.7	10703.6
20°	8280.2	8769.1	9257.9	9679.3	10100.6	10458.3	10815.6
22.5°	8080.6	8675.2	9269.9	9742.6	10215.0	10580.5	10945.7
25°	7848.4	8582.6	9317.0	9857.3	10397.3	10755.0	11112.9
27.5°	7625.8	8520.7	9415.6	10036.6	10657.2	10998.9	11340.1
30°	7432.2	8491.7	9550.7	10268.9	10986.9	11316.4	11646.4
32.5°	7243.9	8455.9	9667.3	10511.2	11355.1	11681.3	12007.9
35°	7024.5	8388.4	9752.8	10787.3	11821.7	12134.7	12447.2
37.5°	6741.8	8272.7	9803.5	11096.5	12389.5	12788.1	13186.7
40°	6391.7	8113.5	9835.5	11489.2	13142.6	13723.4	14304.3
42.5°	6002.6	7949.1	9896.2	12002.9	14109.5	14948.0	15786.4
45°	5590.2	7796.5	10002.9	12678.7	15354.7	16485.7	17616.7
47.5°	5264.5	7670.3	10076.1	13398.9	16721.7	18313.9	19905.6
50°	5037.5	7532.8	10028.3	14067.1	18105.8	20505.9	22905.8
52.5°	4867.7	7300.7	9733.9	14501.0	19267.6	22808.6	26349.6
55°	4705.8	6915.8	9125.9	14405.4	19684.5	24850.1	30016.1
57.5°	4524.0	6373.1	8221.9	13732.3	19243.1	26297.0	33350.8
60°	4327.4	5668.6	7009.7	12480.1	17950.5	26658.6	35366.4
62.5°	4006.5	4825.3	5644.1	10786.7	15929.3	25136.1	34342.9
65°	3684.4	4066.6	4448.8	9058.9	13669.3	22981.9	32294.6
67.5°	3228.7	3337.5	3445.9	7366.4	11286.9	20418.4	29549.9
70°	2672.0	2641.2	2610.2	5800.1	8989.9	17621.2	26252.5
72.5°	2200.8	2107.0	2013.4	4434.2	6854.8	14588.8	22323.1
75°	1733.2	1648.3	1563.4	3218.3	4873.1	11112.6	17352.2
77.5°	1319.3	1261.3	1203.7	2180.8	3157.9	7777.9	12397.9
80°	950.3	926.3	902.4	1405.1	1907.9	5011.1	8114.3
82.5°	653.8	649.0	644.8	864.2	1084.1	2900.3	4716.8
85°	385.5	387.9	389.9	462.0	534.3	1304.6	2075.3
87.5°	166.8	168.8	171.0	191.6	212.2	427.3	642.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)