

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: P970515

Luminaire Tested: **NAV-SB6B-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970515
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-SB6B-830-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31337.3 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 220.4
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



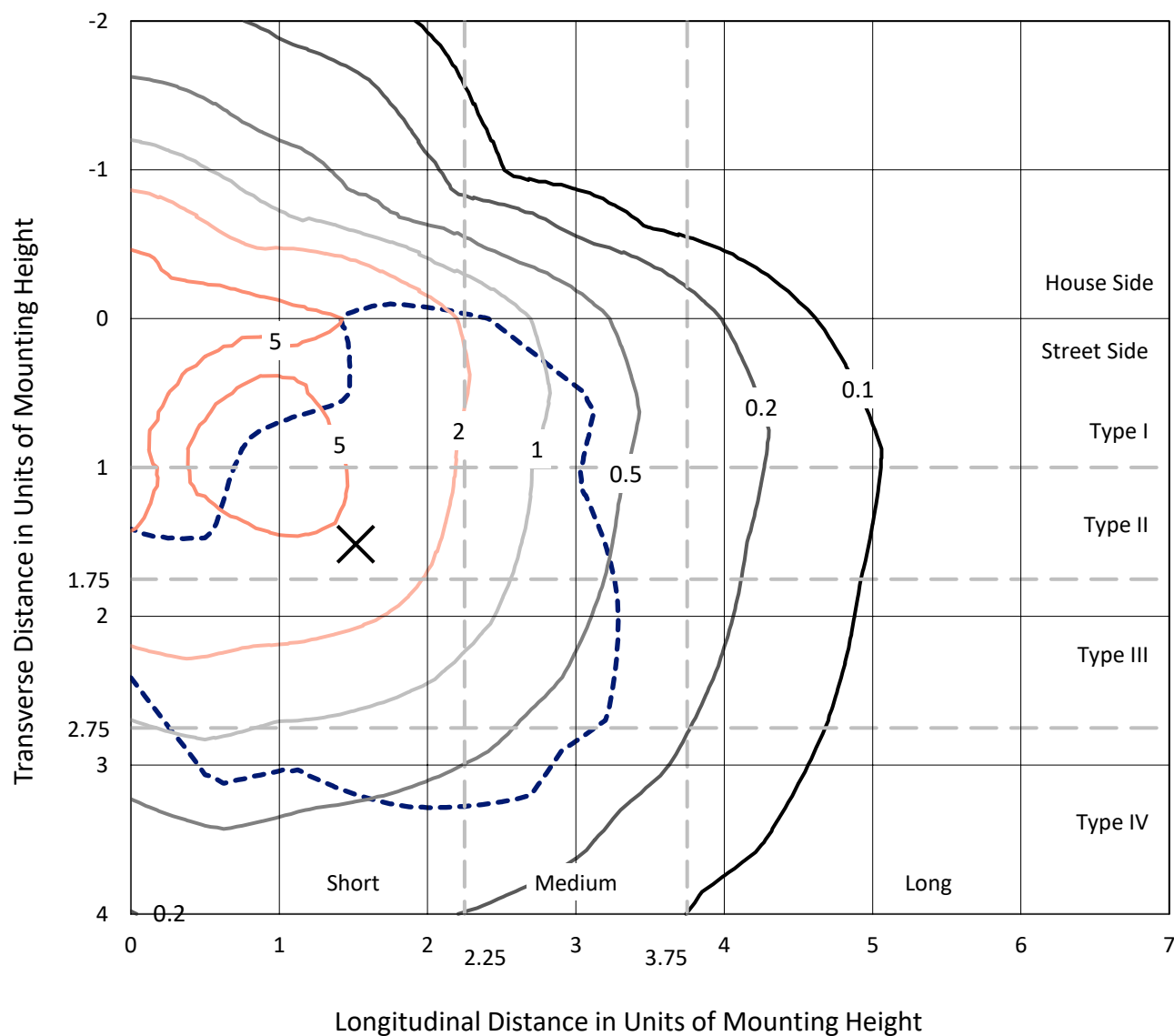
REPORT NUMBER: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

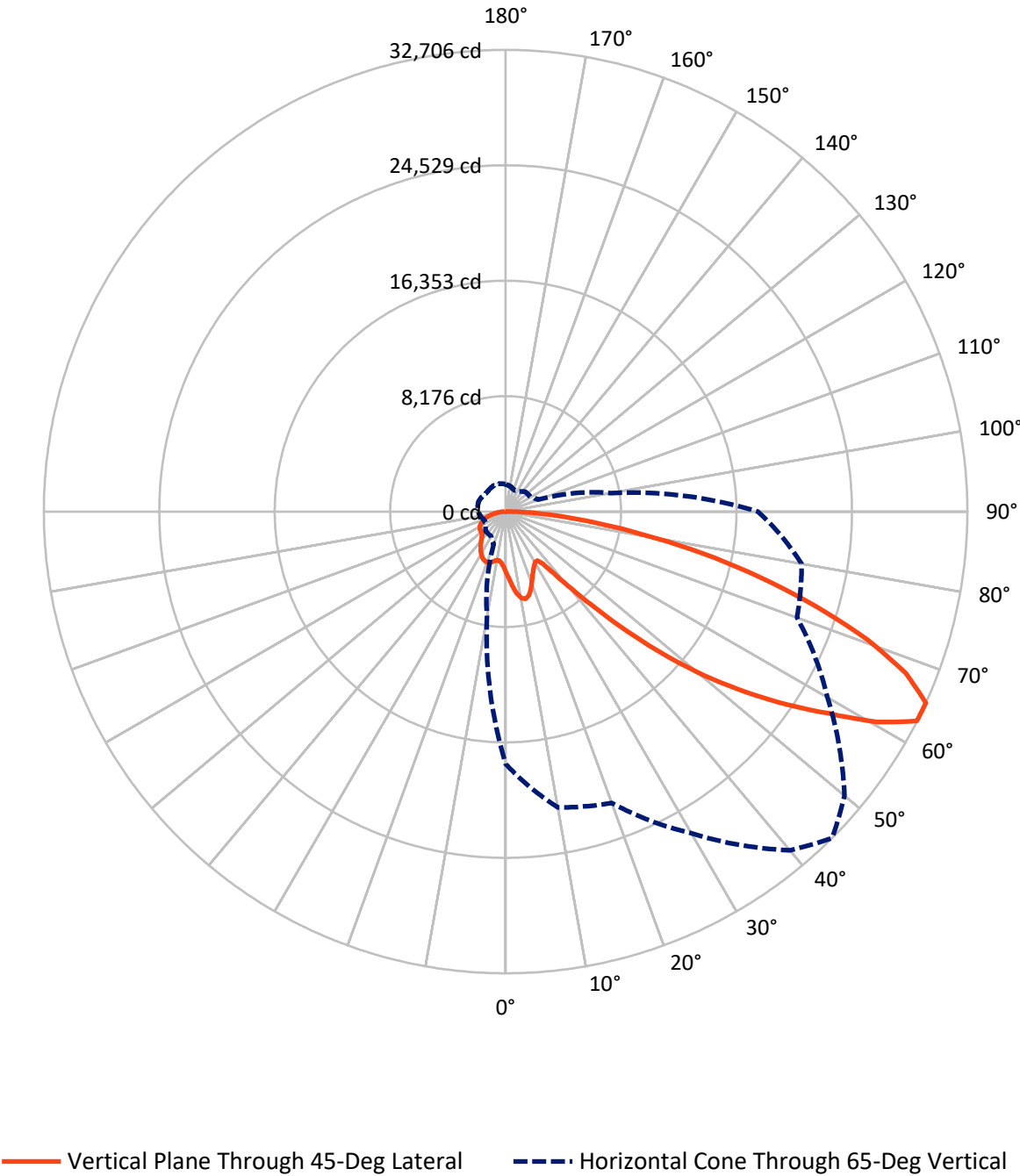


Based on 25 foot mounting height. Maximum calculated value = 9.5 fc

Type IV - Short - N/A

REPORT NUMBER: P970515
CATALOG NUMBER: NAV-SB6B-830-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7964.4	0.0	7964.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23373.0	0.0	23373.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	31337.3	0.0	31337.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.5	1.4
10°-20°	1341.9	4.3
20°-30°	2072.8	6.6
30°-40°	2626.7	8.4
40°-50°	3961.8	12.6
50°-60°	6400.8	20.4
60°-70°	7979.6	25.5
70°-80°	5232.6	16.7
80°-90°	1293.6	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°	31337.3	100.0
0°-180°	31337.3	100.0

Coefficient of Utilization



REPORT NUMBER: P970515

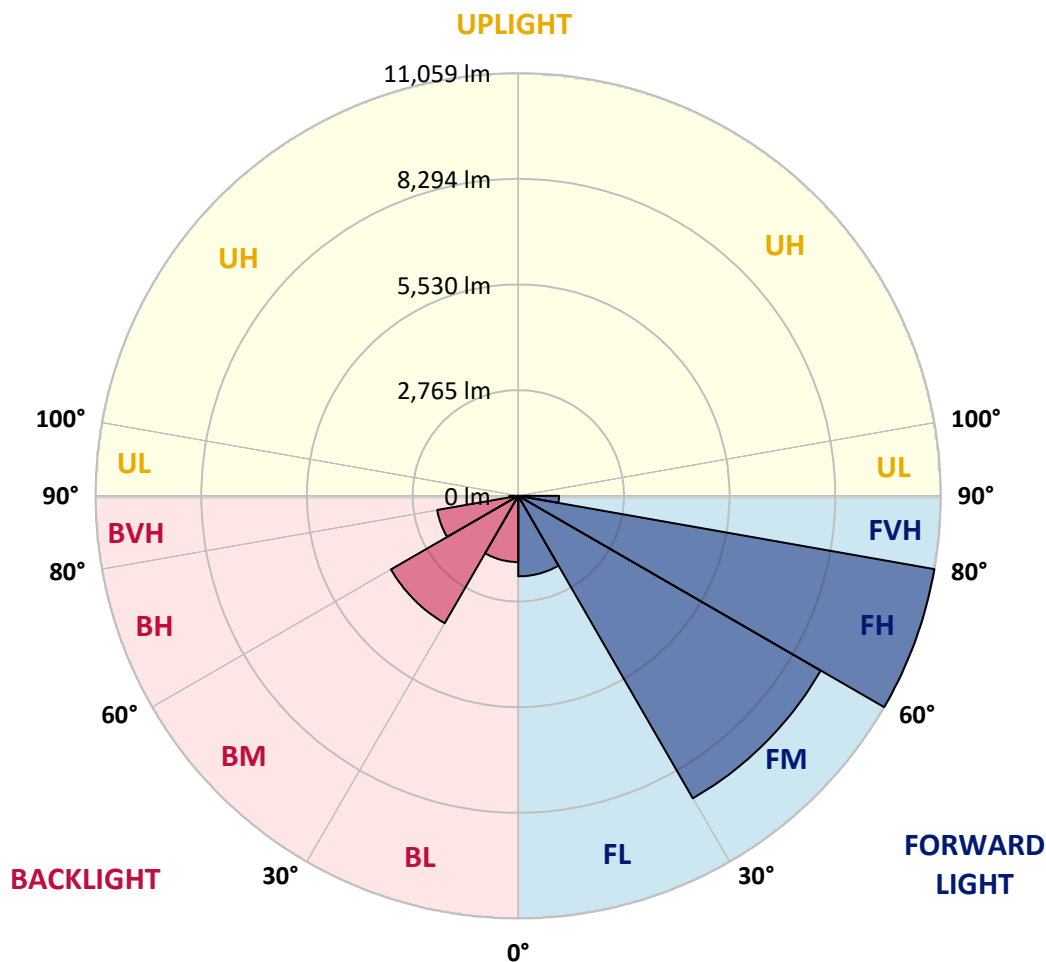
CATALOG NUMBER: NAV-SB6B-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2107.8	6.7			
FM	(30°-60°)	9140.4	29.2			
FH	(60°-80°)	11059.1	35.3			G4/12000
FVH	(80°-90°)	1065.7	3.4			G5
BL	(0°-30°)	1734.3	5.5	B3/2500		
BM	(30°-60°)	3848.9	12.3	B3/5000		
BH	(60°-80°)	2153.2	6.9	B3/2500		G3/2500
BVH	(80°-90°)	228.0	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4634.0	4651.6	4669.3	4694.3	4719.2	4734.1	4749.0	4756.4	4763.9	4760.6	4763.9
5°	4982.9	5044.3	5105.8	5166.7	5227.7	5260.8	5293.8	5313.8	5334.0	5349.3	5334.0
7.5°	5333.5	5433.4	5533.2	5622.9	5712.7	5766.8	5820.9	5850.1	5879.2	5893.2	5879.2
10°	5602.2	5720.3	5838.4	5943.7	6049.0	6112.9	6176.3	6204.7	6233.0	6243.8	6233.0
12.5°	5766.8	5894.8	6022.6	6117.8	6212.7	6259.1	6305.3	6320.9	6336.4	6338.1	6336.4
15°	5866.8	5977.3	6087.6	6147.2	6207.1	6208.7	6210.4	6193.9	6177.4	6157.8	6177.4
17.5°	5923.1	5997.6	6072.2	6073.3	6074.4	6007.3	5940.4	5879.0	5817.5	5774.2	5817.5
20°	5985.0	6011.0	6037.1	5958.5	5880.0	5732.2	5584.4	5476.7	5369.1	5302.9	5369.1
22.5°	6056.9	6022.9	5988.9	5826.1	5663.4	5445.9	5228.5	5093.9	4959.4	4886.3	4959.4
25°	6149.6	6042.1	5934.5	5687.5	5440.5	5176.5	4912.4	4770.9	4629.6	4560.5	4629.6
27.5°	6275.3	6083.1	5890.8	5563.5	5236.4	4943.8	4651.1	4511.8	4372.9	4307.5	4372.9
30°	6444.7	6158.2	5871.7	5469.0	5066.2	4761.2	4456.3	4327.1	4198.0	4137.2	4198.0
32.5°	6644.8	6252.4	5860.2	5404.4	4948.7	4662.2	4375.6	4274.2	4172.8	4128.9	4172.8
35°	6887.9	6407.7	5927.7	5452.8	4978.0	4779.0	4580.0	4556.3	4532.8	4529.1	4532.8
37.5°	7297.1	6732.3	6167.4	5735.8	5304.3	5291.4	5278.4	5386.6	5494.7	5551.0	5494.7
40°	7915.6	7301.3	6687.0	6366.0	6045.0	6271.6	6498.1	6761.0	7023.9	7154.9	7023.9
42.5°	8735.7	8126.2	7516.7	7331.8	7147.0	7641.1	8135.1	8613.4	9091.5	9372.3	9091.5
45°	9748.5	9201.0	8653.4	8571.9	8490.2	9281.7	10073.4	10859.2	11645.1	12122.2	11645.1
47.5°	11015.2	10482.5	9949.8	9933.2	9916.7	11058.6	12200.3	13350.6	14500.8	15176.3	14500.8
50°	12675.3	12017.3	11359.6	11362.3	11365.2	12836.8	14308.5	15826.9	17345.5	18263.4	17345.5
52.5°	14581.0	13784.3	12987.8	12907.3	12826.5	14584.5	16342.4	18221.1	20099.7	21200.2	20099.7
55°	16609.9	15822.8	15035.7	14721.8	14407.7	16364.2	18320.5	20560.3	22800.0	24108.7	22800.0
57.5°	18455.2	18026.7	17597.9	16968.1	16338.4	18313.9	20289.4	22826.2	25363.0	26985.9	25363.0
60°	19570.6	20236.3	20902.2	20120.0	19338.0	21207.5	23077.0	25793.1	28509.1	30263.2	28509.1
62.5°	19004.2	20823.3	22642.4	22554.3	22465.9	24178.5	25891.3	28475.4	31059.4	32680.8	31059.4
65°	17870.8	19578.0	21285.4	21623.2	21960.8	24137.2	26313.8	28819.5	31325.2	32705.6	31325.2
67.5°	16351.9	17975.7	19599.5	19757.9	19916.2	22183.9	24451.4	26968.0	29484.4	30565.9	29484.4
70°	14527.2	16293.4	18059.8	18130.5	18201.4	20229.4	22257.2	24422.8	26588.3	27189.4	26588.3
72.5°	12352.9	14379.6	16406.6	16457.5	16508.2	18094.8	19681.3	21303.4	22925.1	22986.0	22925.1
75°	9602.2	11699.9	13797.5	13985.9	14174.2	15408.6	16643.0	17784.8	18926.5	18620.7	18926.5
77.5°	6860.5	8818.7	10777.1	11046.5	11316.1	12254.5	13192.9	14002.6	14812.5	14286.7	14812.5
80°	4490.2	6137.6	7784.9	8119.9	8454.9	9163.6	9872.0	10297.4	10722.4	9876.7	10722.4
82.5°	2610.2	3736.3	4862.8	5236.9	5611.4	6099.2	6587.0	6764.4	6941.6	6276.9	6941.6
85°	1148.4	1746.2	2343.9	2662.2	2980.5	3381.4	3782.0	3882.7	3983.4	3451.0	3983.4
87.5°	355.5	556.4	757.4	934.9	1112.5	1312.9	1513.3	1521.9	1530.3	1284.8	1530.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4756.4	4749.0	4734.1	4719.2	4694.3	4669.3	4651.6	4634.0	4598.6	4563.0	4525.1
5°	5313.8	5293.8	5260.8	5227.7	5166.7	5105.8	5044.3	4982.9	4904.4	4825.9	4747.5
7.5°	5850.1	5820.9	5766.8	5712.7	5622.9	5533.2	5433.4	5333.5	5203.9	5074.4	4954.7
10°	6204.7	6176.3	6112.9	6049.0	5943.7	5838.4	5720.3	5602.2	5438.3	5274.4	5116.3
12.5°	6320.9	6305.3	6259.1	6212.7	6117.8	6022.6	5894.8	5766.8	5586.7	5406.8	5227.5
15°	6193.9	6210.4	6208.7	6207.1	6147.2	6087.6	5977.3	5866.8	5679.1	5491.4	5297.0
17.5°	5879.0	5940.4	6007.3	6074.4	6073.3	6072.2	5997.6	5923.1	5732.7	5542.4	5330.2
20°	5476.7	5584.4	5732.2	5880.0	5958.5	6037.1	6011.0	5985.0	5787.3	5589.3	5356.1
22.5°	5093.9	5228.5	5445.9	5663.4	5826.1	5988.9	6022.9	6056.9	5854.9	5652.7	5391.2
25°	4770.9	4912.4	5176.5	5440.5	5687.5	5934.5	6042.1	6149.6	5951.5	5753.5	5454.7
27.5°	4511.8	4651.1	4943.8	5236.4	5563.5	5890.8	6083.1	6275.3	6086.3	5897.3	5554.0
30°	4327.1	4456.3	4761.2	5066.2	5469.0	5871.7	6158.2	6444.7	6262.1	6079.8	5682.4
32.5°	4274.2	4375.6	4662.2	4948.7	5404.4	5860.2	6252.4	6644.8	6464.1	6283.5	5816.6
35°	4556.3	4580.0	4779.0	4978.0	5452.8	5927.7	6407.7	6887.9	6714.9	6541.8	5969.3
37.5°	5386.6	5278.4	5291.4	5304.3	5735.8	6167.4	6732.3	7297.1	7076.5	6855.9	6140.5
40°	6761.0	6498.1	6271.6	6045.0	6366.0	6687.0	7301.3	7915.6	7594.1	7272.7	6357.8
42.5°	8613.4	8135.1	7641.1	7147.0	7331.8	7516.7	8126.2	8735.7	8271.8	7807.7	6642.0
45°	10859.2	10073.4	9281.7	8490.2	8571.9	8653.4	9201.0	9748.5	9122.6	8496.7	7016.0
47.5°	13350.6	12200.3	11058.6	9916.7	9933.2	9949.8	10482.5	11015.2	10134.3	9253.3	7414.5
50°	15826.9	14308.5	12836.8	11365.2	11362.3	11359.6	12017.3	12675.3	11347.4	10019.2	7784.3
52.5°	18221.1	16342.4	14584.5	12826.5	12907.3	12987.8	13784.3	14581.0	12621.5	10662.0	8024.3
55°	20560.3	18320.5	16364.2	14407.7	14721.8	15035.7	15822.8	16609.9	13751.3	10892.8	7971.4
57.5°	22826.2	20289.4	18313.9	16338.4	16968.1	17597.9	18026.7	18455.2	14551.9	10648.5	7599.0
60°	25793.1	23077.0	21207.5	19338.0	20120.0	20902.2	20236.3	19570.6	14752.0	9933.2	6906.0
62.5°	28475.4	25891.3	24178.5	22465.9	22554.3	22642.4	20823.3	19004.2	13909.5	8814.8	5969.0
65°	28819.5	26313.8	24137.2	21960.8	21623.2	21285.4	19578.0	17870.8	12717.5	7564.2	5012.9
67.5°	26968.0	24451.4	22183.9	19916.2	19757.9	19599.5	17975.7	16351.9	11298.9	6245.8	4076.3
70°	24422.8	22257.2	20229.4	18201.4	18130.5	18059.8	16293.4	14527.2	9751.0	4974.7	3209.6
72.5°	21303.4	19681.3	18094.8	16508.2	16457.5	16406.6	14379.6	12352.9	8073.0	3793.2	2453.7
75°	17784.8	16643.0	15408.6	14174.2	13985.9	13797.5	11699.9	9602.2	6149.4	2696.6	1780.8
77.5°	14002.6	13192.9	12254.5	11316.1	11046.5	10777.1	8818.7	6860.5	4304.0	1747.5	1206.7
80°	10297.4	9872.0	9163.6	8454.9	8119.9	7784.9	6137.6	4490.2	2773.0	1055.8	777.5
82.5°	6764.4	6587.0	6099.2	5611.4	5236.9	4862.8	3736.3	2610.2	1604.9	599.9	478.2
85°	3882.7	3782.0	3381.4	2980.5	2662.2	2343.9	1746.2	1148.4	721.9	295.6	255.6
87.5°	1521.9	1513.3	1312.9	1112.5	934.9	757.4	556.4	355.5	236.5	117.4	106.0
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: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4487.4	4449.4	4411.3	4375.0	4338.6	4303.4	4264.2	4232.4	4200.9	4172.3	4143.8
5°	4669.3	4590.5	4511.7	4438.1	4364.6	4295.1	4226.5	4166.6	4106.6	4056.3	4006.2
7.5°	4835.0	4718.4	4601.8	4499.1	4396.4	4301.7	4213.0	4133.2	4053.7	3987.6	3921.4
10°	4958.1	4816.6	4674.9	4553.6	4431.9	4314.9	4219.5	4135.6	4051.5	3985.4	3919.3
12.5°	5048.3	4881.3	4714.3	4576.8	4439.5	4316.6	4227.8	4159.0	4090.6	4046.6	4002.9
15°	5102.6	4910.3	4717.9	4558.8	4399.8	4263.7	4192.6	4159.7	4127.0	4132.9	4138.8
17.5°	5118.0	4894.9	4671.6	4480.3	4289.0	4128.9	4085.1	4097.1	4109.1	4181.2	4253.2
20°	5123.1	4852.6	4582.0	4344.9	4107.8	3921.4	3909.9	3966.0	4022.3	4147.5	4272.8
22.5°	5129.6	4800.6	4471.6	4186.0	3900.4	3688.3	3710.9	3794.0	3877.3	4020.2	4163.3
25°	5155.8	4749.3	4343.0	4008.6	3674.2	3456.7	3517.9	3613.8	3709.8	3838.2	3966.9
27.5°	5210.4	4715.1	4219.8	3846.3	3472.8	3274.9	3349.3	3441.8	3534.5	3640.1	3745.7
30°	5285.1	4699.0	4112.7	3710.7	3308.8	3142.5	3201.0	3274.4	3348.1	3435.7	3523.3
32.5°	5349.6	4679.2	4008.6	3593.9	3178.9	3045.0	3071.0	3114.5	3157.9	3227.9	3298.0
35°	5396.8	4641.8	3887.2	3479.0	3070.6	2959.1	2948.3	2960.2	2972.3	3025.7	3078.9
37.5°	5425.0	4577.9	3730.7	3343.7	2956.5	2859.0	2819.7	2806.4	2793.2	2831.6	2869.7
40°	5442.6	4489.7	3537.0	3182.2	2827.6	2739.1	2678.7	2648.8	2618.9	2646.5	2674.1
42.5°	5476.3	4398.8	3321.6	3004.2	2686.7	2605.1	2529.1	2489.4	2449.8	2472.2	2494.8
45°	5535.3	4314.3	3093.4	2815.0	2536.6	2453.8	2380.3	2341.6	2303.1	2321.9	2341.1
47.5°	5575.8	4244.5	2913.3	2665.3	2417.5	2310.9	2247.5	2215.1	2182.7	2200.6	2218.2
50°	5549.3	4168.5	2787.6	2566.0	2344.4	2204.2	2130.6	2101.9	2073.3	2101.0	2128.9
52.5°	5386.5	4039.9	2693.6	2500.5	2307.5	2146.4	2043.4	2015.0	1986.8	2028.6	2070.3
55°	5050.0	3826.9	2604.0	2453.0	2302.0	2152.1	1997.1	1952.2	1907.3	1966.8	2025.9
57.5°	4549.8	3526.7	2503.5	2396.9	2290.2	2157.9	1969.3	1903.9	1838.4	1902.2	1966.1
60°	3878.9	3136.8	2394.7	2310.9	2227.0	2139.7	1943.3	1858.4	1773.5	1829.5	1885.4
62.5°	3123.2	2670.1	2217.1	2161.3	2105.8	2095.0	1912.9	1806.7	1700.7	1736.2	1771.8
65°	2461.8	2250.3	2038.8	2012.5	1986.2	1987.6	1848.7	1735.9	1623.0	1636.7	1650.2
67.5°	1906.9	1846.8	1786.7	1801.3	1815.9	1812.3	1734.2	1640.3	1546.4	1542.1	1537.8
70°	1444.3	1461.5	1478.6	1546.7	1614.7	1614.7	1589.1	1522.2	1455.5	1440.5	1425.7
72.5°	1114.2	1165.9	1217.8	1314.4	1410.8	1427.0	1427.3	1381.5	1335.8	1313.9	1292.2
75°	865.1	912.1	959.1	1067.2	1175.4	1250.1	1243.8	1208.6	1173.2	1152.4	1131.4
77.5°	666.0	697.9	730.0	835.1	940.0	1063.2	1060.0	1031.7	1003.4	982.3	961.0
80°	499.4	512.6	525.8	614.8	703.6	850.7	850.2	826.6	802.8	785.2	767.2
82.5°	356.8	359.2	361.8	427.3	492.7	618.4	625.4	613.8	602.2	589.7	577.1
85°	215.8	214.6	213.3	261.3	309.2	402.6	411.7	399.3	386.9	372.9	358.9
87.5°	94.6	93.4	92.2	111.8	131.5	170.4	181.9	176.9	172.0	169.3	166.7
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: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4118.9	4093.8	4068.7	4043.7	4024.5	4004.9	3989.2	3973.5	3961.2	3949.0	3937.7
5°	3961.9	3917.6	3877.4	3837.1	3806.1	3775.1	3753.3	3731.7	3716.3	3701.0	3689.3
7.5°	3865.7	3809.8	3760.5	3711.4	3674.5	3637.8	3612.0	3586.3	3568.5	3551.0	3540.5
10°	3859.2	3799.1	3743.6	3688.3	3644.3	3600.1	3571.3	3542.2	3525.5	3508.9	3499.9
12.5°	3955.6	3908.6	3851.3	3794.0	3737.9	3681.6	3644.4	3607.2	3588.5	3570.0	3562.4
15°	4126.6	4114.3	4064.6	4014.8	3934.8	3854.7	3798.2	3741.7	3715.7	3689.9	3680.0
17.5°	4291.7	4329.8	4289.6	4249.6	4143.7	4037.7	3954.3	3870.9	3832.6	3794.0	3781.5
20°	4353.0	4433.1	4414.7	4395.9	4274.8	4153.7	4051.5	3949.5	3900.4	3851.1	3835.4
22.5°	4267.7	4372.0	4383.2	4394.3	4278.6	4162.8	4057.7	3952.3	3900.5	3848.7	3831.2
25°	4069.6	4172.3	4210.6	4248.8	4153.9	4059.1	3965.5	3872.2	3827.3	3782.5	3766.2
27.5°	3828.0	3910.3	3953.0	3995.8	3928.2	3860.7	3788.1	3715.5	3685.4	3655.2	3647.8
30°	3591.7	3660.2	3694.8	3729.6	3678.1	3626.6	3574.7	3522.4	3507.0	3491.5	3491.5
32.5°	3363.5	3429.1	3467.7	3506.3	3459.1	3411.6	3370.1	3328.6	3318.5	3308.4	3309.7
35°	3143.8	3208.8	3255.0	3301.3	3267.6	3234.0	3195.6	3157.4	3142.0	3126.9	3123.6
37.5°	2934.4	2999.3	3056.4	3113.6	3098.1	3082.6	3047.3	3012.0	2984.0	2956.2	2941.5
40°	2736.6	2799.2	2865.0	2930.9	2934.7	2938.4	2908.4	2878.5	2837.8	2797.4	2770.1
42.5°	2554.1	2613.4	2684.6	2755.6	2774.7	2793.6	2768.4	2743.2	2692.8	2642.3	2602.5
45°	2397.3	2453.5	2527.2	2601.0	2628.3	2655.6	2632.8	2610.2	2552.5	2494.8	2448.1
47.5°	2273.3	2328.2	2401.0	2473.7	2505.1	2536.6	2520.7	2504.8	2453.5	2402.3	2358.9
50°	2180.9	2232.7	2297.7	2362.9	2403.3	2443.6	2442.6	2442.0	2401.0	2360.0	2319.9
52.5°	2117.9	2165.3	2226.0	2286.9	2334.6	2382.4	2391.0	2399.6	2366.2	2332.8	2296.9
55°	2077.2	2128.4	2181.7	2234.8	2285.3	2336.2	2348.1	2360.0	2330.8	2301.7	2270.4
57.5°	2026.2	2086.5	2139.1	2191.8	2242.9	2293.8	2305.8	2317.9	2288.5	2259.1	2228.0
60°	1954.5	2023.7	2077.1	2130.6	2181.8	2233.2	2246.4	2259.6	2230.8	2202.2	2170.1
62.5°	1852.3	1933.0	1990.0	2047.1	2094.1	2141.0	2153.7	2166.4	2140.5	2114.6	2080.9
65°	1736.6	1823.1	1877.6	1932.1	1973.5	2014.8	2028.0	2040.8	2015.9	1990.9	1958.2
67.5°	1617.6	1697.4	1749.2	1800.7	1836.4	1872.2	1884.9	1897.5	1874.4	1851.7	1821.2
70°	1495.8	1565.9	1610.6	1655.2	1687.5	1719.6	1731.9	1744.1	1725.5	1706.8	1677.7
72.5°	1347.5	1402.5	1442.9	1483.3	1514.8	1546.4	1561.0	1575.5	1559.9	1544.4	1516.6
75°	1172.4	1213.4	1249.9	1286.5	1315.3	1344.0	1359.3	1374.4	1366.8	1359.3	1335.9
77.5°	994.5	1027.7	1059.1	1090.5	1120.7	1150.9	1165.1	1179.3	1168.7	1157.8	1134.4
80°	795.0	822.7	849.1	875.6	898.5	921.4	940.2	959.1	954.5	950.0	918.4
82.5°	574.8	572.5	563.2	553.9	602.9	651.8	683.9	716.0	714.0	711.9	685.2
85°	347.0	334.9	309.2	283.6	329.4	375.4	415.0	454.7	451.4	448.1	427.3
87.5°	166.2	165.6	146.2	126.5	145.7	165.0	181.0	197.1	193.1	188.8	178.2
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: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	3926.4	3912.3	3926.4	3937.7	3949.0	3961.2	3973.5	3989.2	4004.9	4024.5	4043.7
5°	3677.5	3665.9	3677.5	3689.3	3701.0	3716.3	3731.7	3753.3	3775.1	3806.1	3837.1
7.5°	3530.0	3522.1	3530.0	3540.5	3551.0	3568.5	3586.3	3612.0	3637.8	3674.5	3711.4
10°	3490.9	3487.4	3490.9	3499.9	3508.9	3525.5	3542.2	3571.3	3600.1	3644.3	3688.3
12.5°	3554.8	3553.5	3554.8	3562.4	3570.0	3588.5	3607.2	3644.4	3681.6	3737.9	3794.0
15°	3670.0	3669.2	3670.0	3680.0	3689.9	3715.7	3741.7	3798.2	3854.7	3934.8	4014.8
17.5°	3768.8	3766.8	3768.8	3781.5	3794.0	3832.6	3870.9	3954.3	4037.7	4143.7	4249.6
20°	3819.7	3814.7	3819.7	3835.4	3851.1	3900.4	3949.5	4051.5	4153.7	4274.8	4395.9
22.5°	3813.9	3806.4	3813.9	3831.2	3848.7	3900.5	3952.3	4057.7	4162.8	4278.6	4394.3
25°	3750.0	3740.3	3750.0	3766.2	3782.5	3827.3	3872.2	3965.5	4059.1	4153.9	4248.8
27.5°	3640.3	3637.8	3640.3	3647.8	3655.2	3685.4	3715.5	3788.1	3860.7	3928.2	3995.8
30°	3491.5	3493.9	3491.5	3491.5	3491.5	3507.0	3522.4	3574.7	3626.6	3678.1	3729.6
32.5°	3311.3	3313.7	3311.3	3309.7	3308.4	3318.5	3328.6	3370.1	3411.6	3459.1	3506.3
35°	3120.2	3118.6	3120.2	3123.6	3126.9	3142.0	3157.4	3195.6	3234.0	3267.6	3301.3
37.5°	2926.8	2918.5	2926.8	2941.5	2956.2	2984.0	3012.0	3047.3	3082.6	3098.1	3113.6
40°	2742.9	2726.7	2742.9	2770.1	2797.4	2837.8	2878.5	2908.4	2938.4	2934.7	2930.9
42.5°	2562.7	2536.6	2562.7	2602.5	2642.3	2692.8	2743.2	2768.4	2793.6	2774.7	2755.6
45°	2401.3	2371.2	2401.3	2448.1	2494.8	2552.5	2610.2	2632.8	2655.6	2628.3	2601.0
47.5°	2315.8	2286.9	2315.8	2358.9	2402.3	2453.5	2504.8	2520.7	2536.6	2505.1	2473.7
50°	2279.9	2252.1	2279.9	2319.9	2360.0	2401.0	2442.0	2442.6	2443.6	2403.3	2362.9
52.5°	2261.3	2235.6	2261.3	2296.9	2332.8	2366.2	2399.6	2391.0	2382.4	2334.6	2286.9
55°	2238.9	2215.7	2238.9	2270.4	2301.7	2330.8	2360.0	2348.1	2336.2	2285.3	2234.8
57.5°	2196.8	2172.8	2196.8	2228.0	2259.1	2288.5	2317.9	2305.8	2293.8	2242.9	2191.8
60°	2138.0	2113.2	2138.0	2170.1	2202.2	2230.8	2259.6	2246.4	2233.2	2181.8	2130.6
62.5°	2047.1	2017.3	2047.1	2080.9	2114.6	2140.5	2166.4	2153.7	2141.0	2094.1	2047.1
65°	1925.6	1899.9	1925.6	1958.2	1990.9	2015.9	2040.8	2028.0	2014.8	1973.5	1932.1
67.5°	1790.8	1767.6	1790.8	1821.2	1851.7	1874.4	1897.5	1884.9	1872.2	1836.4	1800.7
70°	1648.6	1622.2	1648.6	1677.7	1706.8	1725.5	1744.1	1731.9	1719.6	1687.5	1655.2
72.5°	1489.0	1463.4	1489.0	1516.6	1544.4	1559.9	1575.5	1561.0	1546.4	1514.8	1483.3
75°	1312.6	1288.1	1312.6	1335.9	1359.3	1366.8	1374.4	1359.3	1344.0	1315.3	1286.5
77.5°	1110.9	1091.3	1110.9	1134.4	1157.8	1168.7	1179.3	1165.1	1150.9	1120.7	1090.5
80°	886.6	849.9	886.6	918.4	950.0	954.5	959.1	940.2	921.4	898.5	875.6
82.5°	658.5	635.0	658.5	685.2	711.9	714.0	716.0	683.9	651.8	602.9	553.9
85°	406.4	385.3	406.4	427.3	448.1	451.4	454.7	415.0	375.4	329.4	283.6
87.5°	167.4	157.1	167.4	178.2	188.8	193.1	197.1	181.0	165.0	145.7	126.5
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: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4068.7	4093.8	4118.9	4143.8	4172.3	4200.9	4232.4	4264.2	4303.4	4338.6	4375.0
5°	3877.4	3917.6	3961.9	4006.2	4056.3	4106.6	4166.6	4226.5	4295.1	4364.6	4438.1
7.5°	3760.5	3809.8	3865.7	3921.4	3987.6	4053.7	4133.2	4213.0	4301.7	4396.4	4499.1
10°	3743.6	3799.1	3859.2	3919.3	3985.4	4051.5	4135.6	4219.5	4314.9	4431.9	4553.6
12.5°	3851.3	3908.6	3955.6	4002.9	4046.6	4090.6	4159.0	4227.8	4316.6	4439.5	4576.8
15°	4064.6	4114.3	4126.6	4138.8	4132.9	4127.0	4159.7	4192.6	4263.7	4399.8	4558.8
17.5°	4289.6	4329.8	4291.7	4253.2	4181.2	4109.1	4097.1	4085.1	4128.9	4289.0	4480.3
20°	4414.7	4433.1	4353.0	4272.8	4147.5	4022.3	3966.0	3909.9	3921.4	4107.8	4344.9
22.5°	4383.2	4372.0	4267.7	4163.3	4020.2	3877.3	3794.0	3710.9	3688.3	3900.4	4186.0
25°	4210.6	4172.3	4069.6	3966.9	3838.2	3709.8	3613.8	3517.9	3456.7	3674.2	4008.6
27.5°	3953.0	3910.3	3828.0	3745.7	3640.1	3534.5	3441.8	3349.3	3274.9	3472.8	3846.3
30°	3694.8	3660.2	3591.7	3523.3	3435.7	3348.1	3274.4	3201.0	3142.5	3308.8	3710.7
32.5°	3467.7	3429.1	3363.5	3298.0	3227.9	3157.9	3114.5	3071.0	3045.0	3178.9	3593.9
35°	3255.0	3208.8	3143.8	3078.9	3025.7	2972.3	2960.2	2948.3	2959.1	3070.6	3479.0
37.5°	3056.4	2999.3	2934.4	2869.7	2831.6	2793.2	2806.4	2819.7	2859.0	2956.5	3343.7
40°	2865.0	2799.2	2736.6	2674.1	2646.5	2618.9	2648.8	2678.7	2739.1	2827.6	3182.2
42.5°	2684.6	2613.4	2554.1	2494.8	2472.2	2449.8	2489.4	2529.1	2605.1	2686.7	3004.2
45°	2527.2	2453.5	2397.3	2341.1	2321.9	2303.1	2341.6	2380.3	2453.8	2536.6	2815.0
47.5°	2401.0	2328.2	2273.3	2218.2	2200.6	2182.7	2215.1	2247.5	2310.9	2417.5	2665.3
50°	2297.7	2232.7	2180.9	2128.9	2101.0	2073.3	2101.9	2130.6	2204.2	2344.4	2566.0
52.5°	2226.0	2165.3	2117.9	2070.3	2028.6	1986.8	2015.0	2043.4	2146.4	2307.5	2500.5
55°	2181.7	2128.4	2077.2	2025.9	1966.8	1907.3	1952.2	1997.1	2152.1	2302.0	2453.0
57.5°	2139.1	2086.5	2026.2	1966.1	1902.2	1838.4	1903.9	1969.3	2157.9	2290.2	2396.9
60°	2077.1	2023.7	1954.5	1885.4	1829.5	1773.5	1858.4	1943.3	2139.7	2227.0	2310.9
62.5°	1990.0	1933.0	1852.3	1771.8	1736.2	1700.7	1806.7	1912.9	2095.0	2105.8	2161.3
65°	1877.6	1823.1	1736.6	1650.2	1636.7	1623.0	1735.9	1848.7	1987.6	1986.2	2012.5
67.5°	1749.2	1697.4	1617.6	1537.8	1542.1	1546.4	1640.3	1734.2	1812.3	1815.9	1801.3
70°	1610.6	1565.9	1495.8	1425.7	1440.5	1455.5	1522.2	1589.1	1614.7	1614.7	1546.7
72.5°	1442.9	1402.5	1347.5	1292.2	1313.9	1335.8	1381.5	1427.3	1427.0	1410.8	1314.4
75°	1249.9	1213.4	1172.4	1131.4	1152.4	1173.2	1208.6	1243.8	1250.1	1175.4	1067.2
77.5°	1059.1	1027.7	994.5	961.0	982.3	1003.4	1031.7	1060.0	1063.2	940.0	835.1
80°	849.1	822.7	795.0	767.2	785.2	802.8	826.6	850.2	850.7	703.6	614.8
82.5°	563.2	572.5	574.8	577.1	589.7	602.2	613.8	625.4	618.4	492.7	427.3
85°	309.2	334.9	347.0	358.9	372.9	386.9	399.3	411.7	402.6	309.2	261.3
87.5°	146.2	165.6	166.2	166.7	169.3	172.0	176.9	181.9	170.4	131.5	111.8
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: P970515

CATALOG NUMBER: NAV-SB6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2	4309.2
2.5°	4411.3	4449.4	4487.4	4525.1	4563.0	4598.6	4634.0
5°	4511.7	4590.5	4669.3	4747.5	4825.9	4904.4	4982.9
7.5°	4601.8	4718.4	4835.0	4954.7	5074.4	5203.9	5333.5
10°	4674.9	4816.6	4958.1	5116.3	5274.4	5438.3	5602.2
12.5°	4714.3	4881.3	5048.3	5227.5	5406.8	5586.7	5766.8
15°	4717.9	4910.3	5102.6	5297.0	5491.4	5679.1	5866.8
17.5°	4671.6	4894.9	5118.0	5330.2	5542.4	5732.7	5923.1
20°	4582.0	4852.6	5123.1	5356.1	5589.3	5787.3	5985.0
22.5°	4471.6	4800.6	5129.6	5391.2	5652.7	5854.9	6056.9
25°	4343.0	4749.3	5155.8	5454.7	5753.5	5951.5	6149.6
27.5°	4219.8	4715.1	5210.4	5554.0	5897.3	6086.3	6275.3
30°	4112.7	4699.0	5285.1	5682.4	6079.8	6262.1	6444.7
32.5°	4008.6	4679.2	5349.6	5816.6	6283.5	6464.1	6644.8
35°	3887.2	4641.8	5396.8	5969.3	6541.8	6714.9	6887.9
37.5°	3730.7	4577.9	5425.0	6140.5	6855.9	7076.5	7297.1
40°	3537.0	4489.7	5442.6	6357.8	7272.7	7594.1	7915.6
42.5°	3321.6	4398.8	5476.3	6642.0	7807.7	8271.8	8735.7
45°	3093.4	4314.3	5535.3	7016.0	8496.7	9122.6	9748.5
47.5°	2913.3	4244.5	5575.8	7414.5	9253.3	10134.3	11015.2
50°	2787.6	4168.5	5549.3	7784.3	10019.2	11347.4	12675.3
52.5°	2693.6	4039.9	5386.5	8024.3	10662.0	12621.5	14581.0
55°	2604.0	3826.9	5050.0	7971.4	10892.8	13751.3	16609.9
57.5°	2503.5	3526.7	4549.8	7599.0	10648.5	14551.9	18455.2
60°	2394.7	3136.8	3878.9	6906.0	9933.2	14752.0	19570.6
62.5°	2217.1	2670.1	3123.2	5969.0	8814.8	13909.5	19004.2
65°	2038.8	2250.3	2461.8	5012.9	7564.2	12717.5	17870.8
67.5°	1786.7	1846.8	1906.9	4076.3	6245.8	11298.9	16351.9
70°	1478.6	1461.5	1444.3	3209.6	4974.7	9751.0	14527.2
72.5°	1217.8	1165.9	1114.2	2453.7	3793.2	8073.0	12352.9
75°	959.1	912.1	865.1	1780.8	2696.6	6149.4	9602.2
77.5°	730.0	697.9	666.0	1206.7	1747.5	4304.0	6860.5
80°	525.8	512.6	499.4	777.5	1055.8	2773.0	4490.2
82.5°	361.8	359.2	356.8	478.2	599.9	1604.9	2610.2
85°	213.3	214.6	215.8	255.6	295.6	721.9	1148.4
87.5°	92.2	93.4	94.6	106.0	117.4	236.5	355.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)