

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: P962951

Luminaire Tested: **NAV-SB2D-730-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962951
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-SB2D-730-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 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: 20783.9 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

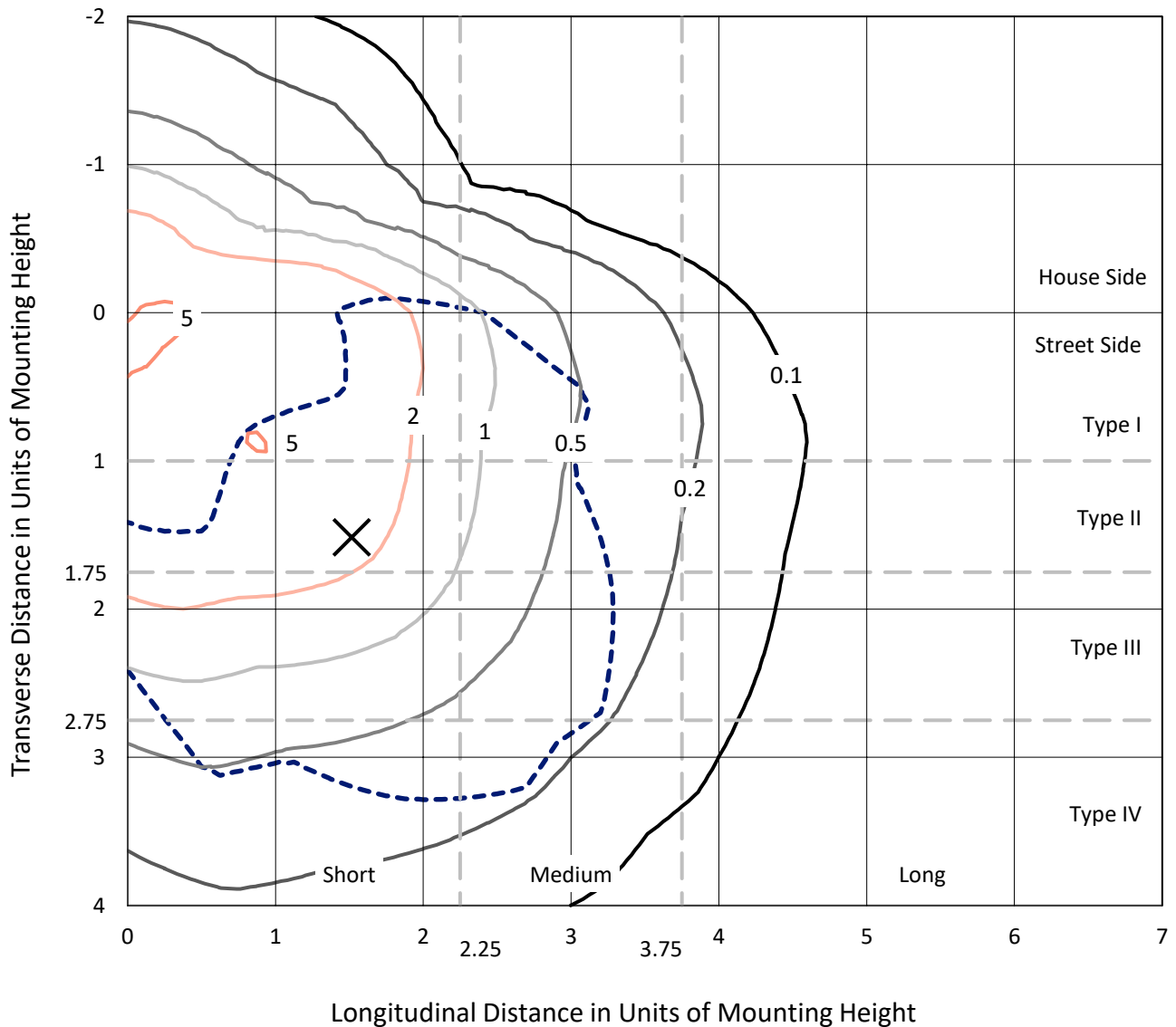
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

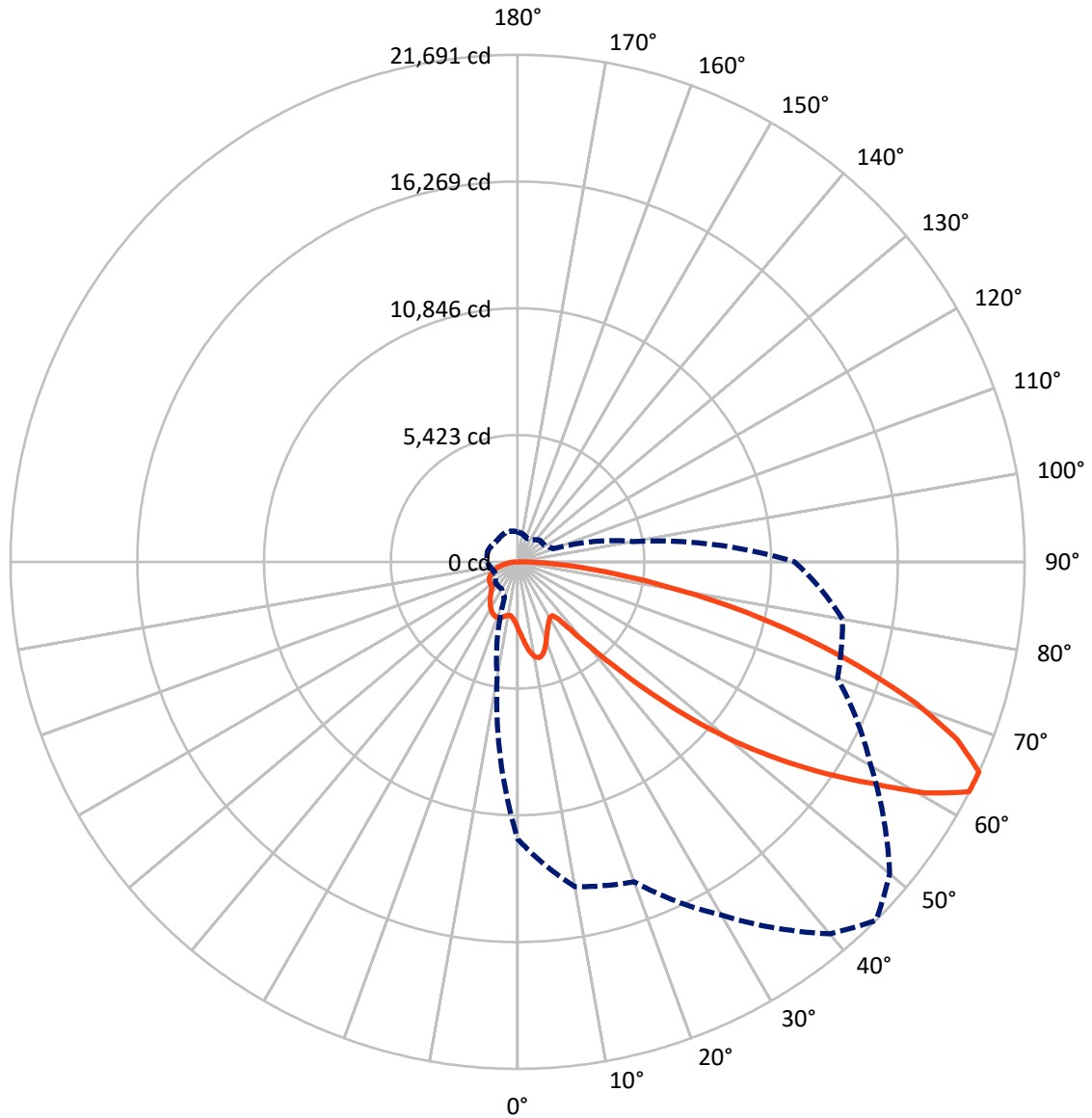
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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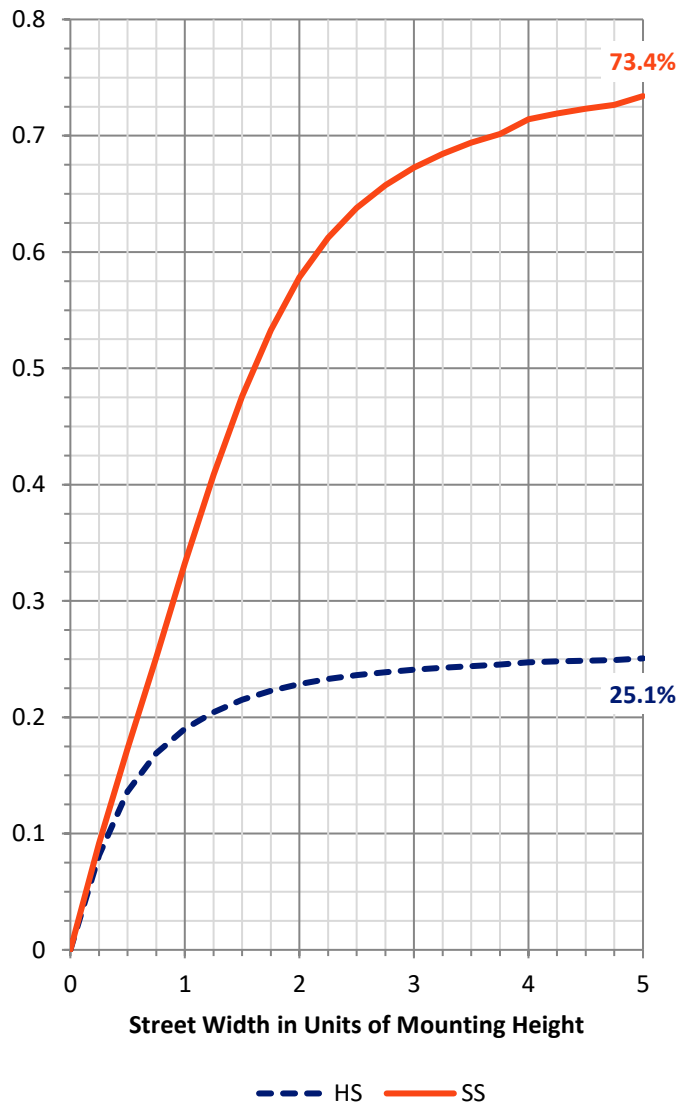
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5282.2	0.0	5282.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15501.7	0.0	15501.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	20783.9	0.0	20783.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	1.4
10°-20°	890.0	4.3
20°-30°	1374.7	6.6
30°-40°	1742.1	8.4
40°-50°	2627.6	12.6
50°-60°	4245.2	20.4
60°-70°	5292.3	25.5
70°-80°	3470.5	16.7
80°-90°	858.0	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°	20783.9	100.0
0°-180°	20783.9	100.0

Coefficient of Utilization

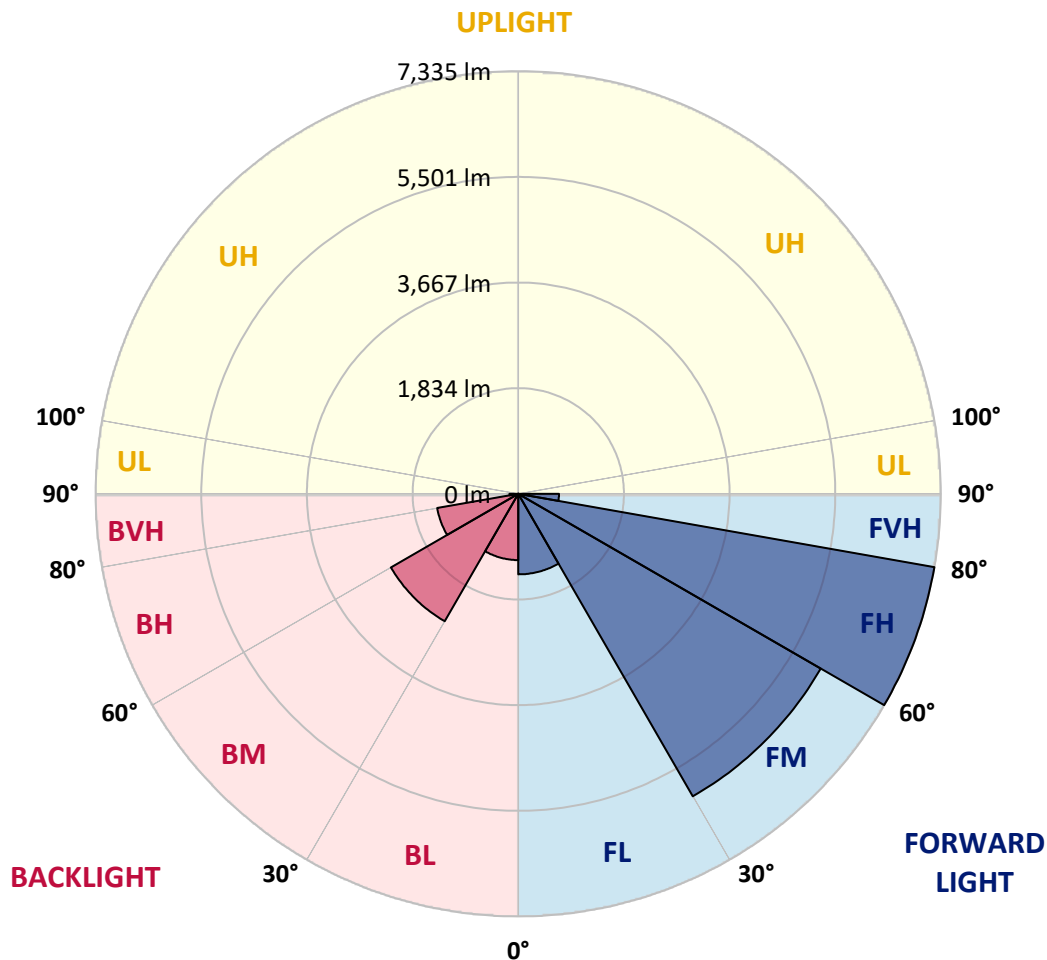


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.0	6.7			
FM (30°-60°)	6062.2	29.2			
FH (60°-80°)	7334.7	35.3			G3/7500
FVH (80°-90°)	706.8	3.4			G4/750
BL (0°-30°)	1150.3	5.5	B3/2500		
BM (30°-60°)	2552.7	12.3	B3/5000		
BH (60°-80°)	1428.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	151.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	3073.5	3085.0	3096.8	3113.4	3129.9	3139.8	3149.7	3154.6	3159.6	3157.4	3159.6
5°	3304.9	3345.6	3386.4	3426.7	3467.2	3489.1	3511.0	3524.4	3537.7	3547.8	3537.7
7.5°	3537.4	3603.6	3669.7	3729.3	3788.8	3824.7	3860.6	3879.9	3899.3	3908.6	3899.3
10°	3715.6	3793.8	3872.1	3942.0	4012.0	4054.3	4096.3	4115.2	4133.9	4141.1	4133.9
12.5°	3824.7	3909.6	3994.3	4057.6	4120.5	4151.1	4181.9	4192.2	4202.5	4203.6	4202.5
15°	3891.0	3964.3	4037.5	4077.0	4116.7	4117.8	4119.0	4108.0	4097.0	4084.1	4097.0
17.5°	3928.3	3977.8	4027.2	4028.0	4028.7	3984.3	3939.9	3899.2	3858.4	3829.6	3858.4
20°	3969.4	3986.6	4004.0	3951.9	3899.8	3801.8	3703.7	3632.3	3561.0	3517.1	3561.0
22.5°	4017.2	3994.5	3972.0	3864.0	3756.1	3611.9	3467.7	3378.5	3289.2	3240.7	3289.2
25°	4078.6	4007.3	3936.0	3772.2	3608.3	3433.1	3258.1	3164.2	3070.5	3024.7	3070.5
27.5°	4161.9	4034.5	3907.0	3689.9	3473.0	3278.9	3084.7	2992.4	2900.2	2856.9	2900.2
30°	4274.4	4084.3	3894.4	3627.2	3360.1	3157.8	2955.6	2869.9	2784.3	2743.9	2784.3
32.5°	4407.1	4146.8	3886.7	3584.4	3282.2	3092.1	2902.1	2834.8	2767.5	2738.4	2767.5
35°	4568.2	4249.8	3931.4	3616.4	3301.6	3169.5	3037.6	3021.9	3006.2	3003.9	3006.2
37.5°	4839.6	4465.1	4090.5	3804.2	3518.0	3509.4	3500.9	3572.5	3644.3	3681.6	3644.3
40°	5249.8	4842.4	4435.0	4222.2	4009.3	4159.6	4309.7	4484.2	4658.5	4745.3	4658.5
42.5°	5793.8	5389.6	4985.3	4862.7	4740.1	5067.8	5395.5	5712.6	6029.8	6216.0	6029.8
45°	6465.5	6102.4	5739.2	5685.2	5630.9	6155.9	6681.1	7202.2	7723.4	8039.8	7723.4
47.5°	7305.6	6952.4	6599.0	6588.0	6577.0	7334.4	8091.6	8854.6	9617.4	10065.4	9617.4
50°	8406.6	7970.3	7534.1	7535.9	7537.7	8513.9	9489.9	10496.9	11504.1	12112.9	11504.1
52.5°	9670.6	9142.2	8613.9	8560.5	8507.0	9672.9	10838.8	12084.9	13330.7	14060.6	13330.7
55°	11016.2	10494.3	9972.2	9763.9	9555.7	10853.2	12150.8	13636.2	15121.7	15989.7	15121.7
57.5°	12240.1	11955.9	11671.5	11253.8	10836.2	12146.4	13456.6	15139.1	16821.6	17897.9	16821.6
60°	12979.9	13421.4	13863.0	13344.3	12825.5	14065.5	15305.4	17106.8	18908.2	20071.6	18908.2
62.5°	12604.2	13810.7	15017.2	14958.7	14900.1	16036.0	17171.9	18885.8	20599.6	21675.0	20599.6
65°	11852.5	12984.8	14117.1	14341.2	14565.1	16008.6	17452.2	19114.1	20775.8	21691.4	20775.8
67.5°	10845.1	11922.1	12999.0	13104.1	13209.1	14713.1	16216.9	17885.9	19555.1	20272.2	19555.1
70°	9635.0	10806.4	11977.8	12024.8	12071.8	13416.7	14761.6	16198.0	17634.2	18032.8	17634.2
72.5°	8192.8	9537.0	10881.3	10915.1	10948.7	12001.0	13053.4	14129.1	15204.7	15245.0	15204.7
75°	6368.4	7759.8	9151.0	9275.9	9400.8	10219.5	11038.1	11795.4	12552.7	12349.8	12552.7
77.5°	4550.2	5848.9	7147.6	7326.4	7505.2	8127.5	8749.9	9287.0	9824.1	9475.4	9824.1
80°	2978.0	4070.7	5163.2	5385.3	5607.6	6077.6	6547.5	6829.5	7111.4	6550.5	7111.4
82.5°	1731.1	2478.0	3225.2	3473.3	3721.6	4045.2	4368.7	4486.3	4603.9	4163.0	4603.9
85°	761.7	1158.1	1554.5	1765.7	1976.8	2242.6	2508.4	2575.1	2641.9	2288.8	2641.9
87.5°	235.7	369.0	502.2	620.0	737.9	870.7	1003.7	1009.4	1015.0	852.1	1015.0
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°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	3154.6	3149.7	3139.8	3129.9	3113.4	3096.8	3085.0	3073.5	3049.9	3026.3	3001.2
5°	3524.4	3511.0	3489.1	3467.2	3426.7	3386.4	3345.6	3304.9	3252.7	3200.7	3148.7
7.5°	3879.9	3860.6	3824.7	3788.8	3729.3	3669.7	3603.6	3537.4	3451.4	3365.5	3286.2
10°	4115.2	4096.3	4054.3	4012.0	3942.0	3872.1	3793.8	3715.6	3606.9	3498.2	3393.3
12.5°	4192.2	4181.9	4151.1	4120.5	4057.6	3994.3	3909.6	3824.7	3705.3	3586.0	3467.1
15°	4108.0	4119.0	4117.8	4116.7	4077.0	4037.5	3964.3	3891.0	3766.6	3642.1	3513.1
17.5°	3899.2	3939.9	3984.3	4028.7	4028.0	4027.2	3977.8	3928.3	3802.1	3675.9	3535.1
20°	3632.3	3703.7	3801.8	3899.8	3951.9	4004.0	3986.6	3969.4	3838.3	3707.0	3552.3
22.5°	3378.5	3467.7	3611.9	3756.1	3864.0	3972.0	3994.5	4017.2	3883.1	3749.0	3575.6
25°	3164.2	3258.1	3433.1	3608.3	3772.2	3936.0	4007.3	4078.6	3947.2	3816.0	3617.7
27.5°	2992.4	3084.7	3278.9	3473.0	3689.9	3907.0	4034.5	4161.9	4036.7	3911.3	3683.5
30°	2869.9	2955.6	3157.8	3360.1	3627.2	3894.4	4084.3	4274.4	4153.3	4032.3	3768.7
32.5°	2834.8	2902.1	3092.1	3282.2	3584.4	3886.7	4146.8	4407.1	4287.2	4167.4	3857.7
35°	3021.9	3037.6	3169.5	3301.6	3616.4	3931.4	4249.8	4568.2	4453.5	4338.7	3959.1
37.5°	3572.5	3500.9	3509.4	3518.0	3804.2	4090.5	4465.1	4839.6	4693.4	4547.1	4072.5
40°	4484.2	4309.7	4159.6	4009.3	4222.2	4435.0	4842.4	5249.8	5036.6	4823.4	4216.6
42.5°	5712.6	5395.5	5067.8	4740.1	4862.7	4985.3	5389.6	5793.8	5486.1	5178.3	4405.1
45°	7202.2	6681.1	6155.9	5630.9	5685.2	5739.2	6102.4	6465.5	6050.5	5635.3	4653.3
47.5°	8854.6	8091.6	7334.4	6577.0	6588.0	6599.0	6952.4	7305.6	6721.3	6137.1	4917.5
50°	10496.9	9489.9	8513.9	7537.7	7535.9	7534.1	7970.3	8406.6	7526.0	6645.1	5162.7
52.5°	12084.9	10838.8	9672.9	8507.0	8560.5	8613.9	9142.2	9670.6	8371.0	7071.5	5322.0
55°	13636.2	12150.8	10853.2	9555.7	9763.9	9972.2	10494.3	11016.2	9120.2	7224.4	5287.0
57.5°	15139.1	13456.6	12146.4	10836.2	11253.8	11671.5	11955.9	12240.1	9651.3	7062.5	5039.9
60°	17106.8	15305.4	14065.5	12825.5	13344.3	13863.0	13421.4	12979.9	9784.0	6588.0	4580.3
62.5°	18885.8	17171.9	16036.0	14900.1	14958.7	15017.2	13810.7	12604.2	9225.2	5846.2	3958.9
65°	19114.1	17452.2	16008.6	14565.1	14341.2	14117.1	12984.8	11852.5	8434.6	5016.8	3324.7
67.5°	17885.9	16216.9	14713.1	13209.1	13104.1	12999.0	11922.1	10845.1	7493.8	4142.4	2703.5
70°	16198.0	14761.6	13416.7	12071.8	12024.8	11977.8	10806.4	9635.0	6467.1	3299.4	2128.7
72.5°	14129.1	13053.4	12001.0	10948.7	10915.1	10881.3	9537.0	8192.8	5354.3	2515.8	1627.4
75°	11795.4	11038.1	10219.5	9400.8	9275.9	9151.0	7759.8	6368.4	4078.5	1788.5	1181.1
77.5°	9287.0	8749.9	8127.5	7505.2	7326.4	7147.6	5848.9	4550.2	2854.5	1159.0	800.3
80°	6829.5	6547.5	6077.6	5607.6	5385.3	5163.2	4070.7	2978.0	1839.2	700.3	515.7
82.5°	4486.3	4368.7	4045.2	3721.6	3473.3	3225.2	2478.0	1731.1	1064.5	397.9	317.1
85°	2575.1	2508.4	2242.6	1976.8	1765.7	1554.5	1158.1	761.7	478.8	196.1	169.5
87.5°	1009.4	1003.7	870.7	737.9	620.0	502.2	369.0	235.7	156.8	77.9	70.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	2976.2	2951.0	2925.8	2901.6	2877.5	2854.1	2828.2	2807.1	2786.2	2767.2	2748.3
5°	3096.8	3044.6	2992.3	2943.5	2894.7	2848.7	2803.2	2763.4	2723.6	2690.3	2657.0
7.5°	3206.7	3129.4	3052.0	2984.0	2915.9	2853.0	2794.1	2741.3	2688.6	2644.7	2600.8
10°	3288.4	3194.5	3100.5	3020.1	2939.4	2861.8	2798.6	2742.8	2687.1	2643.3	2599.4
12.5°	3348.2	3237.5	3126.7	3035.5	2944.4	2862.9	2804.0	2758.4	2713.0	2683.9	2654.9
15°	3384.1	3256.6	3129.1	3023.5	2918.1	2827.8	2780.6	2758.8	2737.2	2741.1	2745.1
17.5°	3394.5	3246.4	3098.4	2971.5	2844.6	2738.4	2709.4	2717.4	2725.3	2773.0	2820.9
20°	3397.8	3218.3	3038.9	2881.7	2724.3	2600.8	2593.1	2630.4	2667.7	2750.7	2833.8
22.5°	3402.2	3183.9	2965.6	2776.3	2586.9	2446.2	2461.2	2516.4	2571.5	2666.2	2761.2
25°	3419.5	3149.9	2880.5	2658.5	2436.8	2292.6	2333.2	2396.9	2460.4	2545.6	2631.0
27.5°	3455.7	3127.2	2798.8	2551.0	2303.3	2172.0	2221.4	2282.8	2344.2	2414.3	2484.2
30°	3505.2	3116.6	2727.7	2461.1	2194.4	2084.2	2123.0	2171.7	2220.6	2278.7	2336.8
32.5°	3548.0	3103.4	2658.5	2383.5	2108.4	2019.6	2036.8	2065.6	2094.5	2140.8	2187.4
35°	3579.4	3078.6	2578.1	2307.3	2036.6	1962.6	1955.4	1963.3	1971.3	2006.7	2042.0
37.5°	3598.1	3036.2	2474.4	2217.6	1960.9	1896.1	1870.1	1861.3	1852.5	1878.0	1903.3
40°	3609.7	2977.7	2345.8	2110.6	1875.3	1816.7	1776.6	1756.7	1737.0	1755.2	1773.6
42.5°	3632.0	2917.5	2203.0	1992.5	1781.9	1727.8	1677.4	1651.1	1624.7	1639.7	1654.7
45°	3671.1	2861.4	2051.6	1867.0	1682.3	1627.5	1578.7	1553.0	1527.5	1540.0	1552.7
47.5°	3698.0	2815.1	1932.1	1767.7	1603.4	1532.6	1490.7	1469.1	1447.6	1459.5	1471.2
50°	3680.5	2764.6	1848.8	1701.8	1554.9	1461.9	1413.1	1394.0	1375.0	1393.5	1411.9
52.5°	3572.4	2679.5	1786.5	1658.4	1530.4	1423.5	1355.3	1336.4	1317.6	1345.4	1373.1
55°	3349.3	2538.2	1727.0	1627.0	1526.8	1427.3	1324.6	1294.8	1265.1	1304.4	1343.7
57.5°	3017.5	2339.0	1660.4	1589.7	1518.9	1431.2	1306.2	1262.7	1219.3	1261.7	1304.0
60°	2572.6	2080.4	1588.2	1532.6	1477.0	1419.1	1288.8	1232.6	1176.2	1213.4	1250.4
62.5°	2071.4	1770.9	1470.5	1433.5	1396.7	1389.5	1268.6	1198.2	1127.9	1151.5	1175.1
65°	1632.7	1492.5	1352.2	1334.8	1317.3	1318.3	1226.1	1151.3	1076.4	1085.5	1094.5
67.5°	1264.7	1224.9	1185.0	1194.7	1204.4	1202.0	1150.3	1087.9	1025.6	1022.7	1019.9
70°	958.0	969.3	980.6	1025.8	1070.9	1070.9	1053.9	1009.6	965.3	955.4	945.6
72.5°	738.9	773.3	807.7	871.8	935.7	946.5	946.7	916.2	885.9	871.5	857.1
75°	573.8	605.0	636.1	707.8	779.5	829.1	824.9	801.6	778.1	764.2	750.4
77.5°	441.8	462.9	484.2	553.8	623.5	705.2	702.9	684.2	665.4	651.4	637.3
80°	331.2	340.0	348.7	407.7	466.7	564.3	564.0	548.3	532.5	520.7	508.9
82.5°	236.7	238.2	240.0	283.4	326.8	410.2	414.8	407.1	399.4	391.0	382.7
85°	143.1	142.4	141.4	173.3	205.1	267.0	273.1	264.9	256.7	247.3	238.0
87.5°	62.7	62.0	61.2	74.1	87.2	113.0	120.6	117.4	114.1	112.3	110.5
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: P962951
 CATALOG NUMBER: NAV-SB2D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	2731.7	2715.2	2698.5	2681.9	2669.1	2656.2	2645.7	2635.4	2627.2	2619.1	2611.7
5°	2627.7	2598.3	2571.6	2544.9	2524.4	2503.8	2489.4	2475.0	2464.8	2454.6	2446.8
7.5°	2563.8	2526.7	2494.1	2461.5	2437.0	2412.7	2395.6	2378.5	2366.7	2355.1	2348.1
10°	2559.5	2519.7	2482.9	2446.2	2417.0	2387.7	2368.7	2349.3	2338.2	2327.2	2321.2
12.5°	2623.5	2592.3	2554.3	2516.4	2479.1	2441.8	2417.1	2392.5	2380.0	2367.8	2362.7
15°	2736.9	2728.8	2695.7	2662.7	2609.6	2556.6	2519.1	2481.6	2464.4	2447.3	2440.7
17.5°	2846.3	2871.6	2845.0	2818.4	2748.2	2677.9	2622.7	2567.3	2541.9	2516.4	2508.0
20°	2887.0	2940.2	2927.9	2915.5	2835.1	2754.9	2687.1	2619.5	2586.9	2554.2	2543.7
22.5°	2830.4	2899.6	2907.1	2914.5	2837.7	2760.9	2691.1	2621.3	2587.0	2552.6	2541.0
25°	2699.0	2767.2	2792.6	2817.9	2755.0	2692.2	2630.0	2568.2	2538.4	2508.7	2497.8
27.5°	2538.8	2593.5	2621.7	2650.1	2605.2	2560.6	2512.4	2464.3	2444.3	2424.2	2419.3
30°	2382.1	2427.5	2450.6	2473.5	2439.5	2405.3	2370.8	2336.2	2325.9	2315.7	2315.7
32.5°	2230.8	2274.3	2299.9	2325.5	2294.2	2262.7	2235.1	2207.6	2201.0	2194.2	2195.1
35°	2085.1	2128.1	2158.9	2189.5	2167.2	2144.9	2119.5	2094.1	2083.9	2073.9	2071.6
37.5°	1946.2	1989.2	2027.1	2065.1	2054.7	2044.5	2021.1	1997.6	1979.1	1960.6	1950.9
40°	1815.0	1856.5	1900.1	1943.9	1946.4	1948.8	1928.9	1909.2	1882.1	1855.4	1837.2
42.5°	1693.9	1733.3	1780.4	1827.7	1840.3	1852.9	1836.1	1819.4	1786.0	1752.5	1726.1
45°	1590.0	1627.3	1676.2	1725.1	1743.2	1761.3	1746.2	1731.1	1692.9	1654.7	1623.6
47.5°	1507.8	1544.2	1592.4	1640.6	1661.5	1682.3	1671.8	1661.2	1627.3	1593.3	1564.6
50°	1446.4	1480.7	1524.0	1567.1	1593.9	1620.7	1620.0	1619.6	1592.4	1565.2	1538.6
52.5°	1404.7	1436.1	1476.4	1516.7	1548.4	1580.1	1585.8	1591.5	1569.4	1547.2	1523.5
55°	1377.7	1411.6	1447.0	1482.1	1515.8	1549.4	1557.3	1565.2	1545.9	1526.6	1505.7
57.5°	1343.9	1383.7	1418.7	1453.7	1487.6	1521.3	1529.3	1537.3	1517.8	1498.3	1477.6
60°	1296.3	1342.1	1377.6	1413.1	1447.1	1481.1	1489.8	1498.7	1479.6	1460.5	1439.3
62.5°	1228.5	1282.1	1319.9	1357.7	1388.9	1420.0	1428.4	1436.8	1419.6	1402.4	1380.1
65°	1151.8	1209.1	1245.3	1281.5	1308.9	1336.3	1345.0	1353.5	1337.0	1320.4	1298.7
67.5°	1072.8	1125.8	1160.1	1194.3	1218.0	1241.7	1250.1	1258.5	1243.2	1228.1	1207.9
70°	992.1	1038.5	1068.2	1097.8	1119.2	1140.5	1148.7	1156.8	1144.4	1132.0	1112.7
72.5°	893.7	930.2	956.9	983.7	1004.7	1025.6	1035.2	1044.9	1034.6	1024.3	1005.8
75°	777.6	804.7	829.0	853.2	872.3	891.3	901.5	911.5	906.5	901.5	886.0
77.5°	659.6	681.6	702.4	723.2	743.3	763.3	772.7	782.2	775.1	767.9	752.3
80°	527.3	545.6	563.1	580.7	595.9	611.1	623.6	636.1	633.0	630.1	609.1
82.5°	381.2	379.7	373.5	367.4	399.9	432.3	453.6	474.9	473.6	472.1	454.5
85°	230.1	222.1	205.1	188.1	218.4	249.0	275.3	301.6	299.4	297.2	283.4
87.5°	110.2	109.9	97.0	83.9	96.7	109.5	120.1	130.7	128.1	125.3	118.2
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: P962951
 CATALOG NUMBER: NAV-SB2D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	2604.1	2594.8	2604.1	2611.7	2619.1	2627.2	2635.4	2645.7	2656.2	2669.1	2681.9
5°	2439.0	2431.4	2439.0	2446.8	2454.6	2464.8	2475.0	2489.4	2503.8	2524.4	2544.9
7.5°	2341.2	2336.0	2341.2	2348.1	2355.1	2366.7	2378.5	2395.6	2412.7	2437.0	2461.5
10°	2315.4	2312.9	2315.4	2321.2	2327.2	2338.2	2349.3	2368.7	2387.7	2417.0	2446.2
12.5°	2357.7	2356.8	2357.7	2362.7	2367.8	2380.0	2392.5	2417.1	2441.8	2479.1	2516.4
15°	2434.1	2433.6	2434.1	2440.7	2447.3	2464.4	2481.6	2519.1	2556.6	2609.6	2662.7
17.5°	2499.6	2498.2	2499.6	2508.0	2516.4	2541.9	2567.3	2622.7	2677.9	2748.2	2818.4
20°	2533.4	2530.1	2533.4	2543.7	2554.2	2586.9	2619.5	2687.1	2754.9	2835.1	2915.5
22.5°	2529.5	2524.6	2529.5	2541.0	2552.6	2587.0	2621.3	2691.1	2760.9	2837.7	2914.5
25°	2487.1	2480.7	2487.1	2497.8	2508.7	2538.4	2568.2	2630.0	2692.2	2755.0	2817.9
27.5°	2414.4	2412.7	2414.4	2419.3	2424.2	2444.3	2464.3	2512.4	2560.6	2605.2	2650.1
30°	2315.7	2317.3	2315.7	2315.7	2315.7	2325.9	2336.2	2370.8	2405.3	2439.5	2473.5
32.5°	2196.2	2197.8	2196.2	2195.1	2194.2	2201.0	2207.6	2235.1	2262.7	2294.2	2325.5
35°	2069.5	2068.3	2069.5	2071.6	2073.9	2083.9	2094.1	2119.5	2144.9	2167.2	2189.5
37.5°	1941.1	1935.6	1941.1	1950.9	1960.6	1979.1	1997.6	2021.1	2044.5	2054.7	2065.1
40°	1819.2	1808.4	1819.2	1837.2	1855.4	1882.1	1909.2	1928.9	1948.8	1946.4	1943.9
42.5°	1699.7	1682.3	1699.7	1726.1	1752.5	1786.0	1819.4	1836.1	1852.9	1840.3	1827.7
45°	1592.6	1572.7	1592.6	1623.6	1654.7	1692.9	1731.1	1746.2	1761.3	1743.2	1725.1
47.5°	1536.0	1516.7	1536.0	1564.6	1593.3	1627.3	1661.2	1671.8	1682.3	1661.5	1640.6
50°	1512.1	1493.7	1512.1	1538.6	1565.2	1592.4	1619.6	1620.0	1620.7	1593.9	1567.1
52.5°	1499.7	1482.8	1499.7	1523.5	1547.2	1569.4	1591.5	1585.8	1580.1	1548.4	1516.7
55°	1484.9	1469.5	1484.9	1505.7	1526.6	1545.9	1565.2	1557.3	1549.4	1515.8	1482.1
57.5°	1456.9	1441.0	1456.9	1477.6	1498.3	1517.8	1537.3	1529.3	1521.3	1487.6	1453.7
60°	1418.0	1401.6	1418.0	1439.3	1460.5	1479.6	1498.7	1489.8	1481.1	1447.1	1413.1
62.5°	1357.7	1337.9	1357.7	1380.1	1402.4	1419.6	1436.8	1428.4	1420.0	1388.9	1357.7
65°	1277.0	1260.1	1277.0	1298.7	1320.4	1337.0	1353.5	1345.0	1336.3	1308.9	1281.5
67.5°	1187.7	1172.4	1187.7	1207.9	1228.1	1243.2	1258.5	1250.1	1241.7	1218.0	1194.3
70°	1093.4	1075.8	1093.4	1112.7	1132.0	1144.4	1156.8	1148.7	1140.5	1119.2	1097.8
72.5°	987.6	970.6	987.6	1005.8	1024.3	1034.6	1044.9	1035.2	1025.6	1004.7	983.7
75°	870.5	854.3	870.5	886.0	901.5	906.5	911.5	901.5	891.3	872.3	853.2
77.5°	736.8	723.9	736.8	752.3	767.9	775.1	782.2	772.7	763.3	743.3	723.2
80°	588.0	563.6	588.0	609.1	630.1	633.0	636.1	623.6	611.1	595.9	580.7
82.5°	436.6	421.2	436.6	454.5	472.1	473.6	474.9	453.6	432.3	399.9	367.4
85°	269.6	255.5	269.6	283.4	297.2	299.4	301.6	275.3	249.0	218.4	188.1
87.5°	111.0	104.1	111.0	118.2	125.3	128.1	130.7	120.1	109.5	96.7	83.9
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: P962951
 CATALOG NUMBER: NAV-SB2D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	2698.5	2715.2	2731.7	2748.3	2767.2	2786.2	2807.1	2828.2	2854.1	2877.5	2901.6
5°	2571.6	2598.3	2627.7	2657.0	2690.3	2723.6	2763.4	2803.2	2848.7	2894.7	2943.5
7.5°	2494.1	2526.7	2563.8	2600.8	2644.7	2688.6	2741.3	2794.1	2853.0	2915.9	2984.0
10°	2482.9	2519.7	2559.5	2599.4	2643.3	2687.1	2742.8	2798.6	2861.8	2939.4	3020.1
12.5°	2554.3	2592.3	2623.5	2654.9	2683.9	2713.0	2758.4	2804.0	2862.9	2944.4	3035.5
15°	2695.7	2728.8	2736.9	2745.1	2741.1	2737.2	2758.8	2780.6	2827.8	2918.1	3023.5
17.5°	2845.0	2871.6	2846.3	2820.9	2773.0	2725.3	2717.4	2709.4	2738.4	2844.6	2971.5
20°	2927.9	2940.2	2887.0	2833.8	2750.7	2667.7	2630.4	2593.1	2600.8	2724.3	2881.7
22.5°	2907.1	2899.6	2830.4	2761.2	2666.2	2571.5	2516.4	2461.2	2446.2	2586.9	2776.3
25°	2792.6	2767.2	2699.0	2631.0	2545.6	2460.4	2396.9	2333.2	2292.6	2436.8	2658.5
27.5°	2621.7	2593.5	2538.8	2484.2	2414.3	2344.2	2282.8	2221.4	2172.0	2303.3	2551.0
30°	2450.6	2427.5	2382.1	2336.8	2278.7	2220.6	2171.7	2123.0	2084.2	2194.4	2461.1
32.5°	2299.9	2274.3	2230.8	2187.4	2140.8	2094.5	2065.6	2036.8	2019.6	2108.4	2383.5
35°	2158.9	2128.1	2085.1	2042.0	2006.7	1971.3	1963.3	1955.4	1962.6	2036.6	2307.3
37.5°	2027.1	1989.2	1946.2	1903.3	1878.0	1852.5	1861.3	1870.1	1896.1	1960.9	2217.6
40°	1900.1	1856.5	1815.0	1773.6	1755.2	1737.0	1756.7	1776.6	1816.7	1875.3	2110.6
42.5°	1780.4	1733.3	1693.9	1654.7	1639.7	1624.7	1651.1	1677.4	1727.8	1781.9	1992.5
45°	1676.2	1627.3	1590.0	1552.7	1540.0	1527.5	1553.0	1578.7	1627.5	1682.3	1867.0
47.5°	1592.4	1544.2	1507.8	1471.2	1459.5	1447.6	1469.1	1490.7	1532.6	1603.4	1767.7
50°	1524.0	1480.7	1446.4	1411.9	1393.5	1375.0	1394.0	1413.1	1461.9	1554.9	1701.8
52.5°	1476.4	1436.1	1404.7	1373.1	1345.4	1317.6	1336.4	1355.3	1423.5	1530.4	1658.4
55°	1447.0	1411.6	1377.7	1343.7	1304.4	1265.1	1294.8	1324.6	1427.3	1526.8	1627.0
57.5°	1418.7	1383.7	1343.9	1304.0	1261.7	1219.3	1262.7	1306.2	1431.2	1518.9	1589.7
60°	1377.6	1342.1	1296.3	1250.4	1213.4	1176.2	1232.6	1288.8	1419.1	1477.0	1532.6
62.5°	1319.9	1282.1	1228.5	1175.1	1151.5	1127.9	1198.2	1268.6	1389.5	1396.7	1433.5
65°	1245.3	1209.1	1151.8	1094.5	1085.5	1076.4	1151.3	1226.1	1318.3	1317.3	1334.8
67.5°	1160.1	1125.8	1072.8	1019.9	1022.7	1025.6	1087.9	1150.3	1202.0	1204.4	1194.7
70°	1068.2	1038.5	992.1	945.6	955.4	965.3	1009.6	1053.9	1070.9	1070.9	1025.8
72.5°	956.9	930.2	893.7	857.1	871.5	885.9	916.2	946.7	946.5	935.7	871.8
75°	829.0	804.7	777.6	750.4	764.2	778.1	801.6	824.9	829.1	779.5	707.8
77.5°	702.4	681.6	659.6	637.3	651.4	665.4	684.2	702.9	705.2	623.5	553.8
80°	563.1	545.6	527.3	508.9	520.7	532.5	548.3	564.0	564.3	466.7	407.7
82.5°	373.5	379.7	381.2	382.7	391.0	399.4	407.1	414.8	410.2	326.8	283.4
85°	205.1	222.1	230.1	238.0	247.3	256.7	264.9	273.1	267.0	205.1	173.3
87.5°	97.0	109.9	110.2	110.5	112.3	114.1	117.4	120.6	113.0	87.2	74.1
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: P962951
 CATALOG NUMBER: NAV-SB2D-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0	2858.0
2.5°	2925.8	2951.0	2976.2	3001.2	3026.3	3049.9	3073.5
5°	2992.3	3044.6	3096.8	3148.7	3200.7	3252.7	3304.9
7.5°	3052.0	3129.4	3206.7	3286.2	3365.5	3451.4	3537.4
10°	3100.5	3194.5	3288.4	3393.3	3498.2	3606.9	3715.6
12.5°	3126.7	3237.5	3348.2	3467.1	3586.0	3705.3	3824.7
15°	3129.1	3256.6	3384.1	3513.1	3642.1	3766.6	3891.0
17.5°	3098.4	3246.4	3394.5	3535.1	3675.9	3802.1	3928.3
20°	3038.9	3218.3	3397.8	3552.3	3707.0	3838.3	3969.4
22.5°	2965.6	3183.9	3402.2	3575.6	3749.0	3883.1	4017.2
25°	2880.5	3149.9	3419.5	3617.7	3816.0	3947.2	4078.6
27.5°	2798.8	3127.2	3455.7	3683.5	3911.3	4036.7	4161.9
30°	2727.7	3116.6	3505.2	3768.7	4032.3	4153.3	4274.4
32.5°	2658.5	3103.4	3548.0	3857.7	4167.4	4287.2	4407.1
35°	2578.1	3078.6	3579.4	3959.1	4338.7	4453.5	4568.2
37.5°	2474.4	3036.2	3598.1	4072.5	4547.1	4693.4	4839.6
40°	2345.8	2977.7	3609.7	4216.6	4823.4	5036.6	5249.8
42.5°	2203.0	2917.5	3632.0	4405.1	5178.3	5486.1	5793.8
45°	2051.6	2861.4	3671.1	4653.3	5635.3	6050.5	6465.5
47.5°	1932.1	2815.1	3698.0	4917.5	6137.1	6721.3	7305.6
50°	1848.8	2764.6	3680.5	5162.7	6645.1	7526.0	8406.6
52.5°	1786.5	2679.5	3572.4	5322.0	7071.5	8371.0	9670.6
55°	1727.0	2538.2	3349.3	5287.0	7224.4	9120.2	11016.2
57.5°	1660.4	2339.0	3017.5	5039.9	7062.5	9651.3	12240.1
60°	1588.2	2080.4	2572.6	4580.3	6588.0	9784.0	12979.9
62.5°	1470.5	1770.9	2071.4	3958.9	5846.2	9225.2	12604.2
65°	1352.2	1492.5	1632.7	3324.7	5016.8	8434.6	11852.5
67.5°	1185.0	1224.9	1264.7	2703.5	4142.4	7493.8	10845.1
70°	980.6	969.3	958.0	2128.7	3299.4	6467.1	9635.0
72.5°	807.7	773.3	738.9	1627.4	2515.8	5354.3	8192.8
75°	636.1	605.0	573.8	1181.1	1788.5	4078.5	6368.4
77.5°	484.2	462.9	441.8	800.3	1159.0	2854.5	4550.2
80°	348.7	340.0	331.2	515.7	700.3	1839.2	2978.0
82.5°	240.0	238.2	236.7	317.1	397.9	1064.5	1731.1
85°	141.4	142.4	143.1	169.5	196.1	478.8	761.7
87.5°	61.2	62.0	62.7	70.3	77.9	156.8	235.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)