

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: P964749

Luminaire Tested: **NAV-SB3C-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964749
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-SB3C-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21286.2 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 149.1
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



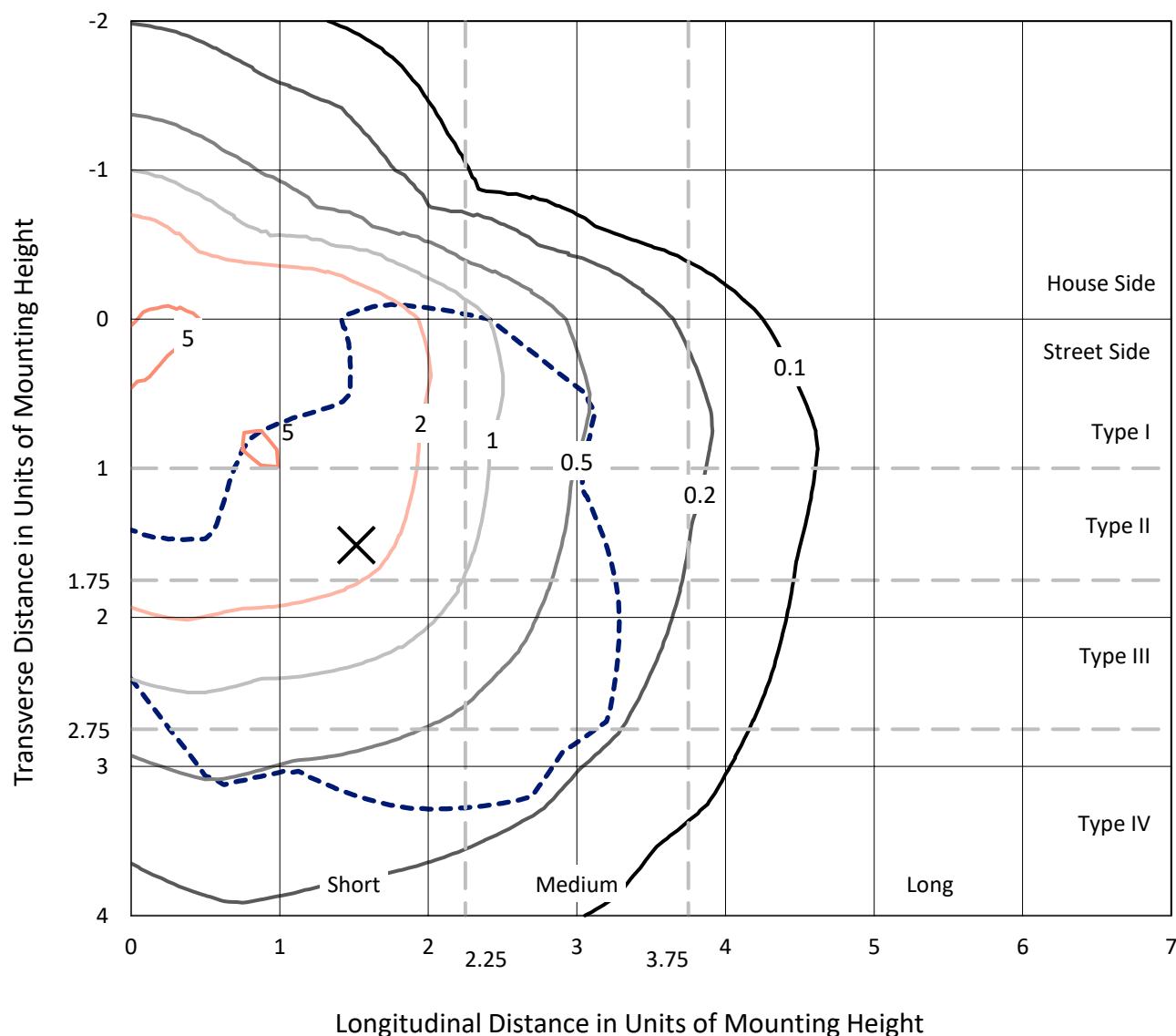
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

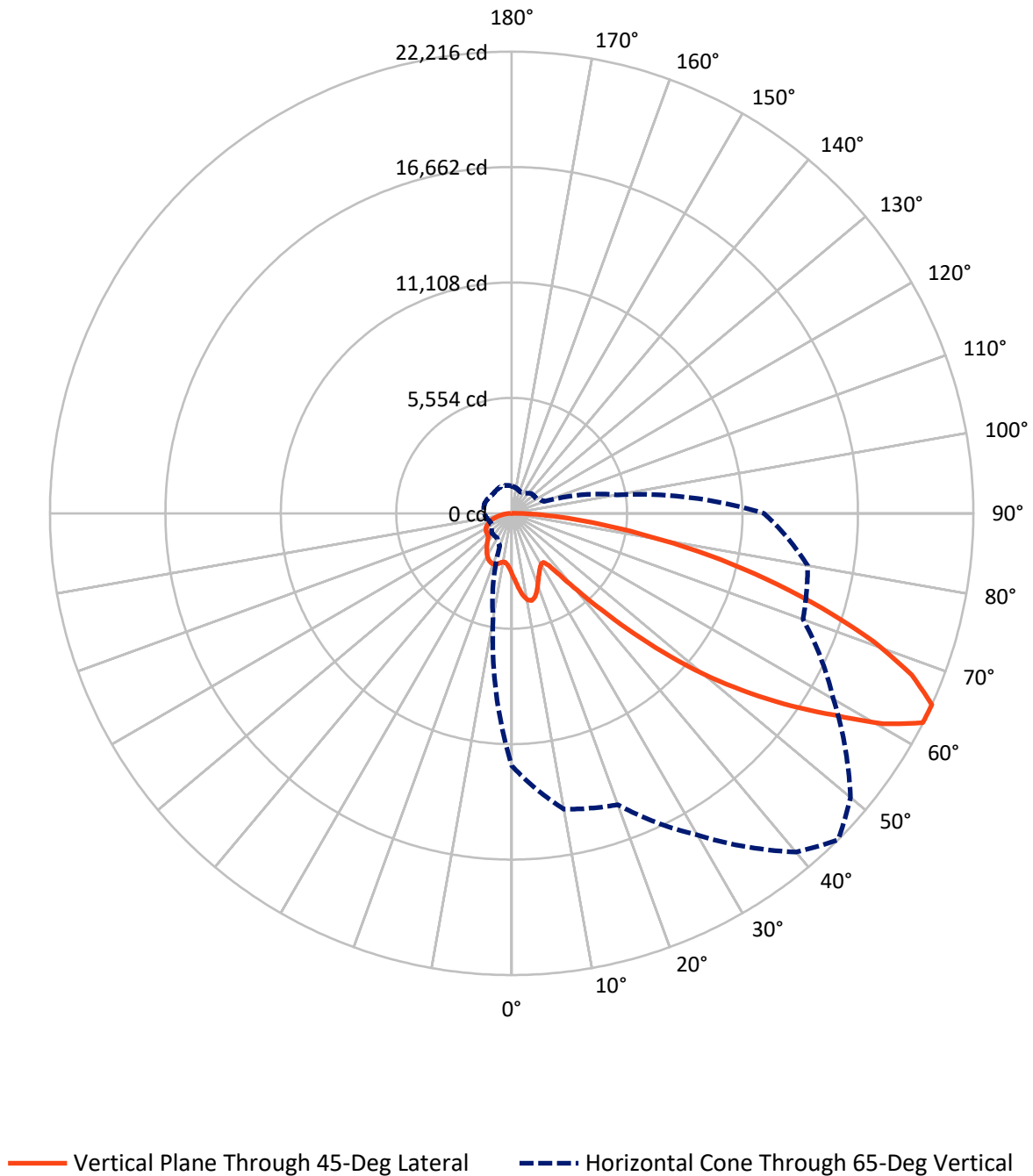


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc

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	5409.9	0.0	5409.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15876.3	0.0	15876.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	21286.2	0.0	21286.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	1.4
10°-20°	911.5	4.3
20°-30°	1408.0	6.6
30°-40°	1784.2	8.4
40°-50°	2691.1	12.6
50°-60°	4347.8	20.4
60°-70°	5420.2	25.5
70°-80°	3554.3	16.7
80°-90°	878.7	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°	21286.2	100.0
0°-180°	21286.2	100.0

Coefficient of Utilization



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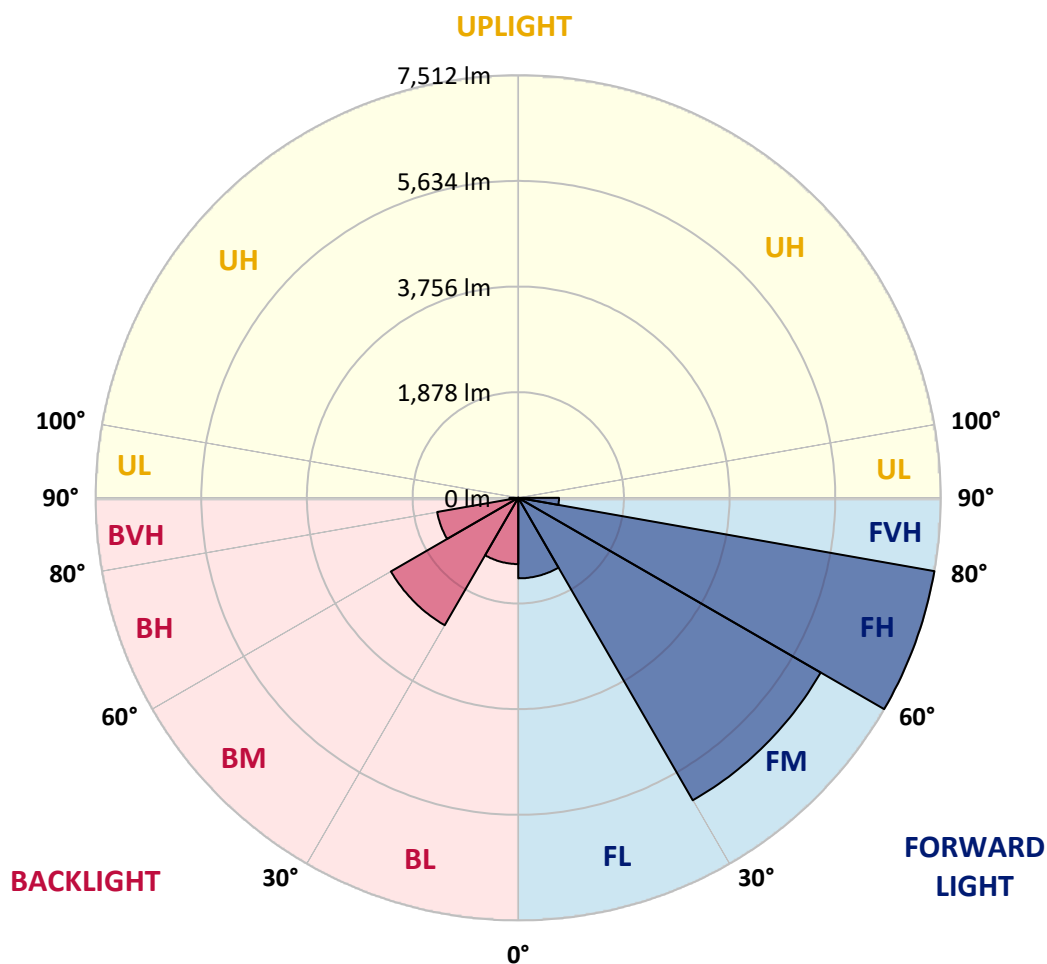
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1431.7	6.7			
FM	(30°-60°)	6208.7	29.2			
FH	(60°-80°)	7512.0	35.3			G4/12000
FVH	(80°-90°)	723.9	3.4			G4/750
BL	(0°-30°)	1178.1	5.5	B3/2500		
BM	(30°-60°)	2614.4	12.3	B3/5000		
BH	(60°-80°)	1462.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	154.8	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°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	3147.8	3159.7	3171.7	3188.7	3205.6	3215.7	3225.8	3230.9	3235.9	3233.7	3235.9
5°	3384.8	3426.4	3468.2	3509.5	3551.0	3573.5	3595.9	3609.4	3623.2	3633.5	3623.2
7.5°	3622.9	3690.7	3758.4	3819.5	3880.4	3917.1	3953.8	3973.7	3993.5	4003.0	3993.5
10°	3805.4	3885.6	3965.7	4037.3	4108.8	4152.2	4195.3	4214.7	4233.9	4241.1	4233.9
12.5°	3917.1	4004.1	4090.9	4155.6	4220.0	4251.5	4283.0	4293.5	4304.1	4305.2	4304.1
15°	3985.1	4060.1	4135.1	4175.5	4216.2	4217.4	4218.5	4207.2	4196.0	4182.7	4196.0
17.5°	4023.2	4074.0	4124.6	4125.3	4126.0	4080.5	4035.0	3993.4	3951.6	3922.2	3951.6
20°	4065.4	4083.0	4100.7	4047.4	3994.0	3893.7	3793.2	3720.1	3647.0	3602.1	3647.0
22.5°	4114.2	4091.1	4067.9	3957.4	3846.9	3699.2	3551.5	3460.1	3368.7	3319.1	3368.7
25°	4177.2	4104.1	4031.1	3863.3	3695.5	3516.2	3336.8	3240.6	3144.7	3097.8	3144.7
27.5°	4262.5	4132.0	4001.4	3779.1	3557.0	3358.1	3159.4	3064.7	2970.2	2925.9	2970.2
30°	4377.7	4183.0	3988.5	3714.8	3441.2	3234.1	3027.0	2939.3	2851.5	2810.2	2851.5
32.5°	4513.6	4247.0	3980.6	3671.0	3361.5	3166.8	2972.2	2903.3	2834.3	2804.6	2834.3
35°	4678.6	4352.5	4026.4	3703.8	3381.4	3246.2	3111.0	3095.0	3078.9	3076.4	3078.9
37.5°	4956.6	4572.9	4189.3	3896.1	3603.0	3594.2	3585.4	3658.9	3732.3	3770.6	3732.3
40°	5376.7	4959.5	4542.2	4324.2	4106.2	4260.0	4414.0	4592.5	4771.1	4860.0	4771.1
42.5°	5933.8	5519.8	5105.8	4980.3	4854.6	5190.3	5525.9	5850.7	6175.5	6366.3	6175.5
45°	6621.8	6249.8	5877.9	5822.5	5767.1	6304.7	6842.5	7376.2	7910.0	8234.1	7910.0
47.5°	7482.1	7120.4	6758.4	6747.3	6736.0	7511.7	8287.1	9068.5	9849.8	10308.6	9849.8
50°	8609.8	8162.9	7716.1	7718.0	7719.9	8719.6	9719.2	10750.6	11782.1	12405.7	11782.1
52.5°	9904.3	9363.2	8822.1	8767.4	8712.6	9906.6	11100.7	12376.9	13652.9	14400.4	13652.9
55°	11282.5	10747.8	10213.2	9999.9	9786.6	11115.5	12444.4	13965.7	15487.1	16376.1	15487.1
57.5°	12536.0	12244.8	11953.6	11525.7	11098.0	12439.9	13781.7	15505.0	17228.0	18330.5	17228.0
60°	13293.5	13745.7	14198.0	13666.7	13135.5	14405.4	15675.2	17520.2	19365.1	20556.6	19365.1
62.5°	12908.8	14144.5	15380.0	15320.2	15260.2	16423.5	17586.9	19342.3	21097.5	22198.7	21097.5
65°	12138.9	13298.6	14458.2	14687.7	14917.1	16395.4	17873.8	19576.0	21278.0	22215.5	21278.0
67.5°	11107.2	12210.2	13313.2	13420.7	13528.3	15068.6	16608.8	18318.2	20027.6	20762.2	20027.6
70°	9867.8	11067.4	12267.3	12315.4	12363.6	13740.9	15118.3	16589.4	18060.3	18468.7	18060.3
72.5°	8390.8	9767.5	11144.3	11178.9	11213.4	12291.1	13368.8	14470.5	15572.1	15613.4	15572.1
75°	6522.4	7947.2	9372.1	9500.0	9628.0	10466.5	11304.9	12080.4	12856.1	12648.2	12856.1
77.5°	4660.2	5990.2	7320.3	7503.5	7686.6	8323.9	8961.4	9511.4	10061.5	9704.4	10061.5
80°	3050.0	4169.1	5288.0	5515.5	5743.1	6224.5	6705.7	6994.6	7283.3	6708.8	7283.3
82.5°	1772.9	2538.0	3303.1	3557.3	3811.6	4142.8	4474.2	4594.8	4715.1	4263.6	4715.1
85°	780.0	1186.1	1592.1	1808.3	2024.6	2296.8	2569.0	2637.3	2705.8	2344.1	2705.8
87.5°	241.5	377.9	514.4	635.1	755.7	891.9	1028.0	1033.8	1039.6	872.7	1039.6
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°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	3230.9	3225.8	3215.7	3205.6	3188.7	3171.7	3159.7	3147.8	3123.6	3099.4	3073.8
5°	3609.4	3595.9	3573.5	3551.0	3509.5	3468.2	3426.4	3384.8	3331.4	3278.1	3224.8
7.5°	3973.7	3953.8	3917.1	3880.4	3819.5	3758.4	3690.7	3622.9	3534.8	3446.9	3365.5
10°	4214.7	4195.3	4152.2	4108.8	4037.3	3965.7	3885.6	3805.4	3694.1	3582.8	3475.3
12.5°	4293.5	4283.0	4251.5	4220.0	4155.6	4090.9	4004.1	3917.1	3794.9	3672.6	3550.8
15°	4207.2	4218.5	4217.4	4216.2	4175.5	4135.1	4060.1	3985.1	3857.6	3730.1	3598.1
17.5°	3993.4	4035.0	4080.5	4126.0	4125.3	4124.6	4074.0	4023.2	3894.0	3764.7	3620.6
20°	3720.1	3793.2	3893.7	3994.0	4047.4	4100.7	4083.0	4065.4	3931.1	3796.6	3638.2
22.5°	3460.1	3551.5	3699.2	3846.9	3957.4	4067.9	4091.1	4114.2	3977.0	3839.6	3662.0
25°	3240.6	3336.8	3516.2	3695.5	3863.3	4031.1	4104.1	4177.2	4042.6	3908.1	3705.2
27.5°	3064.7	3159.4	3358.1	3557.0	3779.1	4001.4	4132.0	4262.5	4134.2	4005.9	3772.6
30°	2939.3	3027.0	3234.1	3441.2	3714.8	3988.5	4183.0	4377.7	4253.6	4129.7	3859.8
32.5°	2903.3	2972.2	3166.8	3361.5	3671.0	3980.6	4247.0	4513.6	4390.8	4268.1	3951.0
35°	3095.0	3111.0	3246.2	3381.4	3703.8	4026.4	4352.5	4678.6	4561.1	4443.6	4054.7
37.5°	3658.9	3585.4	3594.2	3603.0	3896.1	4189.3	4572.9	4956.6	4806.8	4657.0	4170.9
40°	4592.5	4414.0	4260.0	4106.2	4324.2	4542.2	4959.5	5376.7	5158.3	4940.0	4318.5
42.5°	5850.7	5525.9	5190.3	4854.6	4980.3	5105.8	5519.8	5933.8	5618.6	5303.5	4511.6
45°	7376.2	6842.5	6304.7	5767.1	5822.5	5877.9	6249.8	6621.8	6196.6	5771.5	4765.7
47.5°	9068.5	8287.1	7511.7	6736.0	6747.3	6758.4	7120.4	7482.1	6883.8	6285.4	5036.3
50°	10750.6	9719.2	8719.6	7719.9	7718.0	7716.1	8162.9	8609.8	7707.8	6805.6	5287.6
52.5°	12376.9	11100.7	9906.6	8712.6	8767.4	8822.1	9363.2	9904.3	8573.3	7242.3	5450.6
55°	13965.7	12444.4	11115.5	9786.6	9999.9	10213.2	10747.8	11282.5	9340.6	7399.0	5414.7
57.5°	15505.0	13781.7	12439.9	11098.0	11525.7	11953.6	12244.8	12536.0	9884.5	7233.1	5161.7
60°	17520.2	15675.2	14405.4	13135.5	13666.7	14198.0	13745.7	13293.5	10020.4	6747.3	4691.0
62.5°	19342.3	17586.9	16423.5	15260.2	15320.2	15380.0	14144.5	12908.8	9448.1	5987.5	4054.5
65°	19576.0	17873.8	16395.4	14917.1	14687.7	14458.2	13298.6	12138.9	8638.5	5138.0	3405.0
67.5°	18318.2	16608.8	15068.6	13528.3	13420.7	13313.2	12210.2	11107.2	7674.9	4242.5	2768.9
70°	16589.4	15118.3	13740.9	12363.6	12315.4	12267.3	11067.4	9867.8	6623.4	3379.1	2180.1
72.5°	14470.5	13368.8	12291.1	11213.4	11178.9	11144.3	9767.5	8390.8	5483.6	2576.6	1666.6
75°	12080.4	11304.9	10466.5	9628.0	9500.0	9372.1	7947.2	6522.4	4177.1	1831.7	1209.7
77.5°	9511.4	8961.4	8323.9	7686.6	7503.5	7320.3	5990.2	4660.2	2923.5	1186.9	819.7
80°	6994.6	6705.7	6224.5	5743.1	5515.5	5288.0	4169.1	3050.0	1883.5	717.2	528.1
82.5°	4594.8	4474.2	4142.8	3811.6	3557.3	3303.1	2538.0	1772.9	1090.2	407.5	324.8
85°	2637.3	2569.0	2296.8	2024.6	1808.3	1592.1	1186.1	780.0	490.4	200.8	173.6
87.5°	1033.8	1028.0	891.9	755.7	635.1	514.4	377.9	241.5	160.6	79.7	72.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	3048.1	3022.3	2996.5	2971.8	2947.0	2923.1	2896.4	2874.9	2853.5	2834.0	2814.8
5°	3171.7	3118.0	3064.6	3014.6	2964.7	2917.5	2870.9	2830.2	2789.4	2755.3	2721.3
7.5°	3284.2	3205.1	3125.8	3056.0	2986.3	2922.0	2861.7	2807.5	2753.5	2708.6	2663.7
10°	3367.8	3271.7	3175.4	3093.0	3010.3	2931.0	2866.1	2809.1	2752.0	2707.1	2662.2
12.5°	3429.1	3315.7	3202.2	3108.9	3015.5	2932.1	2871.7	2825.0	2778.6	2748.6	2719.0
15°	3465.9	3335.4	3204.7	3096.6	2988.6	2896.1	2847.9	2825.5	2803.3	2807.3	2811.4
17.5°	3476.5	3324.9	3173.2	3043.3	2913.4	2804.6	2774.9	2783.1	2791.2	2840.1	2889.1
20°	3479.9	3296.1	3112.3	2951.3	2790.3	2663.7	2655.8	2694.0	2732.1	2817.2	2902.3
22.5°	3484.4	3260.8	3037.3	2843.4	2649.4	2505.3	2520.7	2577.2	2633.6	2730.7	2828.0
25°	3502.1	3226.0	2950.1	2722.8	2495.8	2348.1	2389.6	2454.8	2519.9	2607.2	2694.5
27.5°	3539.1	3202.8	2866.4	2612.6	2358.9	2224.5	2275.0	2337.9	2400.9	2472.6	2544.3
30°	3590.0	3191.8	2793.6	2520.6	2247.5	2134.7	2174.2	2224.1	2274.3	2333.7	2393.3
32.5°	3633.7	3178.4	2722.8	2441.1	2159.4	2068.3	2086.0	2115.5	2145.0	2192.6	2240.2
35°	3665.9	3153.0	2640.4	2363.0	2085.8	2009.9	2002.6	2010.7	2018.9	2055.2	2091.4
37.5°	3685.0	3109.5	2534.1	2271.2	2008.3	1942.0	1915.2	1906.3	1897.3	1923.3	1949.3
40°	3697.0	3049.7	2402.5	2161.6	1920.6	1860.6	1819.6	1799.3	1778.9	1797.6	1816.4
42.5°	3719.8	2987.9	2256.2	2040.6	1824.9	1769.6	1717.9	1690.9	1664.0	1679.3	1694.6
45°	3759.9	2930.5	2101.2	1912.1	1722.9	1666.9	1616.8	1590.6	1564.4	1577.2	1590.2
47.5°	3787.4	2883.1	1978.9	1810.5	1642.2	1569.7	1526.6	1504.6	1482.6	1494.8	1506.7
50°	3769.4	2831.5	1893.5	1743.0	1592.4	1497.2	1447.2	1427.7	1408.2	1427.1	1446.1
52.5°	3658.8	2744.1	1829.6	1698.5	1567.4	1457.9	1388.1	1368.7	1349.5	1377.9	1406.2
55°	3430.3	2599.5	1768.8	1666.2	1563.7	1461.9	1356.6	1326.0	1295.6	1335.9	1376.2
57.5°	3090.5	2395.5	1700.5	1628.1	1555.6	1465.7	1337.7	1293.2	1248.8	1292.1	1335.5
60°	2634.8	2130.7	1626.6	1569.7	1512.7	1453.4	1320.0	1262.4	1204.6	1242.7	1280.6
62.5°	2121.4	1813.7	1505.9	1468.1	1430.4	1423.1	1299.3	1227.2	1155.2	1179.4	1203.5
65°	1672.2	1528.6	1384.9	1367.0	1349.2	1350.0	1255.7	1179.2	1102.4	1111.7	1120.9
67.5°	1295.3	1254.5	1213.6	1223.6	1233.5	1231.0	1178.0	1114.2	1050.4	1047.4	1044.6
70°	981.1	992.8	1004.4	1050.6	1096.8	1096.8	1079.4	1034.0	988.6	978.6	968.4
72.5°	756.8	791.9	827.3	892.8	958.3	969.3	969.5	938.4	907.3	892.5	877.8
75°	587.6	619.5	651.5	724.9	798.4	849.1	844.9	820.9	796.9	782.8	768.4
77.5°	452.4	474.1	495.9	567.2	638.6	722.2	720.0	700.8	681.5	667.2	652.8
80°	339.2	348.2	357.2	417.6	478.0	577.9	577.6	561.5	545.3	533.3	521.1
82.5°	242.4	244.0	245.8	290.3	334.7	420.0	424.8	417.0	409.1	400.6	392.0
85°	146.6	145.8	144.9	177.4	210.0	273.5	279.7	271.2	262.8	253.3	243.7
87.5°	64.3	63.4	62.6	76.0	89.3	115.7	123.5	120.2	116.8	115.0	113.3
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: P964749

CATALOG NUMBER: NAV-SB3C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	2797.7	2780.8	2763.7	2746.8	2733.6	2720.4	2709.7	2699.0	2690.7	2682.4	2674.7
5°	2691.1	2661.1	2633.7	2606.4	2585.4	2564.2	2549.5	2534.8	2524.4	2513.9	2505.9
7.5°	2625.7	2587.8	2554.4	2521.0	2496.0	2471.0	2453.5	2436.0	2423.9	2412.0	2404.9
10°	2621.4	2580.5	2542.9	2505.3	2475.4	2445.4	2425.9	2406.1	2394.7	2383.4	2377.4
12.5°	2686.9	2655.0	2616.0	2577.2	2538.9	2500.8	2475.5	2450.3	2437.6	2424.9	2419.8
15°	2803.1	2794.8	2760.9	2727.1	2672.8	2618.4	2579.9	2541.6	2524.0	2506.4	2499.7
17.5°	2915.1	2941.0	2913.8	2886.6	2814.6	2742.6	2686.0	2629.4	2603.3	2577.2	2568.6
20°	2956.8	3011.2	2998.7	2986.0	2903.6	2821.4	2752.0	2682.7	2649.4	2615.9	2605.2
22.5°	2898.8	2969.7	2977.3	2984.9	2906.3	2827.7	2756.2	2684.7	2649.5	2614.3	2602.5
25°	2764.3	2834.0	2860.1	2886.0	2821.5	2757.2	2693.6	2630.3	2599.7	2569.3	2558.2
27.5°	2600.2	2656.1	2685.1	2714.2	2668.3	2622.5	2573.2	2523.9	2503.4	2482.9	2477.7
30°	2439.7	2486.1	2509.8	2533.4	2498.4	2463.4	2428.1	2392.7	2382.2	2371.6	2371.6
32.5°	2284.7	2329.3	2355.4	2381.7	2349.6	2317.3	2289.1	2260.9	2254.2	2247.3	2248.1
35°	2135.4	2179.6	2211.0	2242.5	2219.5	2196.8	2170.6	2144.7	2134.3	2123.9	2121.8
37.5°	1993.2	2037.3	2076.1	2115.0	2104.4	2093.9	2069.9	2045.9	2026.9	2008.1	1998.0
40°	1858.8	1901.4	1946.1	1990.9	1993.4	1995.9	1975.6	1955.3	1927.6	1900.2	1881.6
42.5°	1734.9	1775.2	1823.5	1871.8	1884.7	1897.6	1880.5	1863.3	1829.1	1794.9	1767.8
45°	1628.4	1666.5	1716.7	1766.8	1785.3	1803.8	1788.3	1772.9	1733.8	1694.6	1662.9
47.5°	1544.2	1581.5	1630.9	1680.3	1701.6	1722.9	1712.2	1701.4	1666.5	1631.8	1602.4
50°	1481.3	1516.5	1560.8	1605.0	1632.4	1659.9	1659.2	1658.8	1630.9	1603.0	1575.8
52.5°	1438.6	1470.8	1512.1	1553.4	1585.9	1618.3	1624.1	1630.0	1607.3	1584.5	1560.3
55°	1410.9	1445.8	1481.9	1518.0	1552.4	1586.8	1594.9	1603.0	1583.2	1563.4	1542.1
57.5°	1376.4	1417.3	1452.9	1488.8	1523.5	1558.1	1566.3	1574.5	1554.5	1534.5	1513.4
60°	1327.6	1374.5	1410.8	1447.2	1482.0	1516.9	1525.8	1534.8	1515.3	1495.9	1474.1
62.5°	1258.2	1313.0	1351.8	1390.5	1422.4	1454.3	1463.0	1471.6	1454.0	1436.3	1413.4
65°	1179.6	1238.3	1275.4	1312.4	1340.5	1368.6	1377.5	1386.2	1369.3	1352.3	1330.0
67.5°	1098.7	1152.9	1188.1	1223.1	1247.4	1271.7	1280.3	1288.8	1273.3	1257.8	1237.1
70°	1016.1	1063.6	1094.0	1124.3	1146.3	1168.1	1176.4	1184.7	1172.1	1159.4	1139.6
72.5°	915.3	952.7	980.1	1007.5	1029.0	1050.4	1060.3	1070.2	1059.6	1049.1	1030.2
75°	796.3	824.2	849.0	873.8	893.4	913.0	923.2	933.6	928.4	923.2	907.4
77.5°	675.5	698.0	719.4	740.8	761.3	781.8	791.4	801.0	793.9	786.5	770.5
80°	540.1	558.8	576.8	594.7	610.4	625.9	638.7	651.5	648.3	645.2	623.8
82.5°	390.4	388.9	382.5	376.3	409.5	442.8	464.5	486.4	485.0	483.5	465.5
85°	235.6	227.4	210.0	192.6	223.8	254.9	281.9	308.8	306.7	304.4	290.3
87.5°	112.9	112.5	99.3	85.9	98.9	112.1	123.0	133.9	131.2	128.2	121.1
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: P964749

CATALOG NUMBER: NAV-SB3C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	2667.0	2657.5	2667.0	2674.7	2682.4	2690.7	2699.0	2709.7	2720.4	2733.6	2746.8
5°	2497.9	2490.1	2497.9	2505.9	2513.9	2524.4	2534.8	2549.5	2564.2	2585.4	2606.4
7.5°	2397.8	2392.4	2397.8	2404.9	2412.0	2423.9	2436.0	2453.5	2471.0	2496.0	2521.0
10°	2371.2	2368.8	2371.2	2377.4	2383.4	2394.7	2406.1	2425.9	2445.4	2475.4	2505.3
12.5°	2414.6	2413.8	2414.6	2419.8	2424.9	2437.6	2450.3	2475.5	2500.8	2538.9	2577.2
15°	2492.9	2492.4	2492.9	2499.7	2506.4	2524.0	2541.6	2579.9	2618.4	2672.8	2727.1
17.5°	2559.9	2558.6	2559.9	2568.6	2577.2	2603.3	2629.4	2686.0	2742.6	2814.6	2886.6
20°	2594.6	2591.2	2594.6	2605.2	2615.9	2649.4	2682.7	2752.0	2821.4	2903.6	2986.0
22.5°	2590.7	2585.6	2590.7	2602.5	2614.3	2649.5	2684.7	2756.2	2827.7	2906.3	2984.9
25°	2547.1	2540.7	2547.1	2558.2	2569.3	2599.7	2630.3	2693.6	2757.2	2821.5	2886.0
27.5°	2472.7	2471.0	2472.7	2477.7	2482.9	2503.4	2523.9	2573.2	2622.5	2668.3	2714.2
30°	2371.6	2373.3	2371.6	2371.6	2371.6	2382.2	2392.7	2428.1	2463.4	2498.4	2533.4
32.5°	2249.2	2250.9	2249.2	2248.1	2247.3	2254.2	2260.9	2289.1	2317.3	2349.6	2381.7
35°	2119.5	2118.4	2119.5	2121.8	2123.9	2134.3	2144.7	2170.6	2196.8	2219.5	2242.5
37.5°	1988.1	1982.5	1988.1	1998.0	2008.1	2026.9	2045.9	2069.9	2093.9	2104.4	2115.0
40°	1863.1	1852.2	1863.1	1881.6	1900.2	1927.6	1955.3	1975.6	1995.9	1993.4	1990.9
42.5°	1740.8	1722.9	1740.8	1767.8	1794.9	1829.1	1863.3	1880.5	1897.6	1884.7	1871.8
45°	1631.1	1610.7	1631.1	1662.9	1694.6	1733.8	1772.9	1788.3	1803.8	1785.3	1766.8
47.5°	1573.1	1553.4	1573.1	1602.4	1631.8	1666.5	1701.4	1712.2	1722.9	1701.6	1680.3
50°	1548.7	1529.8	1548.7	1575.8	1603.0	1630.9	1658.8	1659.2	1659.9	1632.4	1605.0
52.5°	1536.0	1518.5	1536.0	1560.3	1584.5	1607.3	1630.0	1624.1	1618.3	1585.9	1553.4
55°	1520.8	1505.1	1520.8	1542.1	1563.4	1583.2	1603.0	1594.9	1586.8	1552.4	1518.0
57.5°	1492.2	1475.9	1492.2	1513.4	1534.5	1554.5	1574.5	1566.3	1558.1	1523.5	1488.8
60°	1452.3	1435.4	1452.3	1474.1	1495.9	1515.3	1534.8	1525.8	1516.9	1482.0	1447.2
62.5°	1390.5	1370.3	1390.5	1413.4	1436.3	1454.0	1471.6	1463.0	1454.3	1422.4	1390.5
65°	1308.0	1290.6	1308.0	1330.0	1352.3	1369.3	1386.2	1377.5	1368.6	1340.5	1312.4
67.5°	1216.4	1200.7	1216.4	1237.1	1257.8	1273.3	1288.8	1280.3	1271.7	1247.4	1223.1
70°	1119.8	1101.9	1119.8	1139.6	1159.4	1172.1	1184.7	1176.4	1168.1	1146.3	1124.3
72.5°	1011.5	994.0	1011.5	1030.2	1049.1	1059.6	1070.2	1060.3	1050.4	1029.0	1007.5
75°	891.5	874.9	891.5	907.4	923.2	928.4	933.6	923.2	913.0	893.4	873.8
77.5°	754.6	741.3	754.6	770.5	786.5	793.9	801.0	791.4	781.8	761.3	740.8
80°	602.3	577.3	602.3	623.8	645.2	648.3	651.5	638.7	625.9	610.4	594.7
82.5°	447.2	431.3	447.2	465.5	483.5	485.0	486.4	464.5	442.8	409.5	376.3
85°	276.0	261.7	276.0	290.3	304.4	306.7	308.8	281.9	254.9	223.8	192.6
87.5°	113.7	106.7	113.7	121.1	128.2	131.2	133.9	123.0	112.1	98.9	85.9
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: P964749

CATALOG NUMBER: NAV-SB3C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	2763.7	2780.8	2797.7	2814.8	2834.0	2853.5	2874.9	2896.4	2923.1	2947.0	2971.8
5°	2633.7	2661.1	2691.1	2721.3	2755.3	2789.4	2830.2	2870.9	2917.5	2964.7	3014.6
7.5°	2554.4	2587.8	2625.7	2663.7	2708.6	2753.5	2807.5	2861.7	2922.0	2986.3	3056.0
10°	2542.9	2580.5	2621.4	2662.2	2707.1	2752.0	2809.1	2866.1	2931.0	3010.3	3093.0
12.5°	2616.0	2655.0	2686.9	2719.0	2748.6	2778.6	2825.0	2871.7	2932.1	3015.5	3108.9
15°	2760.9	2794.8	2803.1	2811.4	2807.3	2803.3	2825.5	2847.9	2896.1	2988.6	3096.6
17.5°	2913.8	2941.0	2915.1	2889.1	2840.1	2791.2	2783.1	2774.9	2804.6	2913.4	3043.3
20°	2998.7	3011.2	2956.8	2902.3	2817.2	2732.1	2694.0	2655.8	2663.7	2790.3	2951.3
22.5°	2977.3	2969.7	2898.8	2828.0	2730.7	2633.6	2577.2	2520.7	2505.3	2649.4	2843.4
25°	2860.1	2834.0	2764.3	2694.5	2607.2	2519.9	2454.8	2389.6	2348.1	2495.8	2722.8
27.5°	2685.1	2656.1	2600.2	2544.3	2472.6	2400.9	2337.9	2275.0	2224.5	2358.9	2612.6
30°	2509.8	2486.1	2439.7	2393.3	2333.7	2274.3	2224.1	2174.2	2134.7	2247.5	2520.6
32.5°	2355.4	2329.3	2284.7	2240.2	2192.6	2145.0	2115.5	2086.0	2068.3	2159.4	2441.1
35°	2211.0	2179.6	2135.4	2091.4	2055.2	2018.9	2010.7	2002.6	2009.9	2085.8	2363.0
37.5°	2076.1	2037.3	1993.2	1949.3	1923.3	1897.3	1906.3	1915.2	1942.0	2008.3	2271.2
40°	1946.1	1901.4	1858.8	1816.4	1797.6	1778.9	1799.3	1819.6	1860.6	1920.6	2161.6
42.5°	1823.5	1775.2	1734.9	1694.6	1679.3	1664.0	1690.9	1717.9	1769.6	1824.9	2040.6
45°	1716.7	1666.5	1628.4	1590.2	1577.2	1564.4	1590.6	1616.8	1666.9	1722.9	1912.1
47.5°	1630.9	1581.5	1544.2	1506.7	1494.8	1482.6	1504.6	1526.6	1569.7	1642.2	1810.5
50°	1560.8	1516.5	1481.3	1446.1	1427.1	1408.2	1427.7	1447.2	1497.2	1592.4	1743.0
52.5°	1512.1	1470.8	1438.6	1406.2	1377.9	1349.5	1368.7	1388.1	1457.9	1567.4	1698.5
55°	1481.9	1445.8	1410.9	1376.2	1335.9	1295.6	1326.0	1356.6	1461.9	1563.7	1666.2
57.5°	1452.9	1417.3	1376.4	1335.5	1292.1	1248.8	1293.2	1337.7	1465.7	1555.6	1628.1
60°	1410.8	1374.5	1327.6	1280.6	1242.7	1204.6	1262.4	1320.0	1453.4	1512.7	1569.7
62.5°	1351.8	1313.0	1258.2	1203.5	1179.4	1155.2	1227.2	1299.3	1423.1	1430.4	1468.1
65°	1275.4	1238.3	1179.6	1120.9	1111.7	1102.4	1179.2	1255.7	1350.0	1349.2	1367.0
67.5°	1188.1	1152.9	1098.7	1044.6	1047.4	1050.4	1114.2	1178.0	1231.0	1233.5	1223.6
70°	1094.0	1063.6	1016.1	968.4	978.6	988.6	1034.0	1079.4	1096.8	1096.8	1050.6
72.5°	980.1	952.7	915.3	877.8	892.5	907.3	938.4	969.5	969.3	958.3	892.8
75°	849.0	824.2	796.3	768.4	782.8	796.9	820.9	844.9	849.1	798.4	724.9
77.5°	719.4	698.0	675.5	652.8	667.2	681.5	700.8	720.0	722.2	638.6	567.2
80°	576.8	558.8	540.1	521.1	533.3	545.3	561.5	577.6	577.9	478.0	417.6
82.5°	382.5	388.9	390.4	392.0	400.6	409.1	417.0	424.8	420.0	334.7	290.3
85°	210.0	227.4	235.6	243.7	253.3	262.8	271.2	279.7	273.5	210.0	177.4
87.5°	99.3	112.5	112.9	113.3	115.0	116.8	120.2	123.5	115.7	89.3	76.0
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: P964749

CATALOG NUMBER: NAV-SB3C-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0	2927.0
2.5°	2996.5	3022.3	3048.1	3073.8	3099.4	3123.6	3147.8
5°	3064.6	3118.0	3171.7	3224.8	3278.1	3331.4	3384.8
7.5°	3125.8	3205.1	3284.2	3365.5	3446.9	3534.8	3622.9
10°	3175.4	3271.7	3367.8	3475.3	3582.8	3694.1	3805.4
12.5°	3202.2	3315.7	3429.1	3550.8	3672.6	3794.9	3917.1
15°	3204.7	3335.4	3465.9	3598.1	3730.1	3857.6	3985.1
17.5°	3173.2	3324.9	3476.5	3620.6	3764.7	3894.0	4023.2
20°	3112.3	3296.1	3479.9	3638.2	3796.6	3931.1	4065.4
22.5°	3037.3	3260.8	3484.4	3662.0	3839.6	3977.0	4114.2
25°	2950.1	3226.0	3502.1	3705.2	3908.1	4042.6	4177.2
27.5°	2866.4	3202.8	3539.1	3772.6	4005.9	4134.2	4262.5
30°	2793.6	3191.8	3590.0	3859.8	4129.7	4253.6	4377.7
32.5°	2722.8	3178.4	3633.7	3951.0	4268.1	4390.8	4513.6
35°	2640.4	3153.0	3665.9	4054.7	4443.6	4561.1	4678.6
37.5°	2534.1	3109.5	3685.0	4170.9	4657.0	4806.8	4956.6
40°	2402.5	3049.7	3697.0	4318.5	4940.0	5158.3	5376.7
42.5°	2256.2	2987.9	3719.8	4511.6	5303.5	5618.6	5933.8
45°	2101.2	2930.5	3759.9	4765.7	5771.5	6196.6	6621.8
47.5°	1978.9	2883.1	3787.4	5036.3	6285.4	6883.8	7482.1
50°	1893.5	2831.5	3769.4	5287.6	6805.6	7707.8	8609.8
52.5°	1829.6	2744.1	3658.8	5450.6	7242.3	8573.3	9904.3
55°	1768.8	2599.5	3430.3	5414.7	7399.0	9340.6	11282.5
57.5°	1700.5	2395.5	3090.5	5161.7	7233.1	9884.5	12536.0
60°	1626.6	2130.7	2634.8	4691.0	6747.3	10020.4	13293.5
62.5°	1505.9	1813.7	2121.4	4054.5	5987.5	9448.1	12908.8
65°	1384.9	1528.6	1672.2	3405.0	5138.0	8638.5	12138.9
67.5°	1213.6	1254.5	1295.3	2768.9	4242.5	7674.9	11107.2
70°	1004.4	992.8	981.1	2180.1	3379.1	6623.4	9867.8
72.5°	827.3	791.9	756.8	1666.6	2576.6	5483.6	8390.8
75°	651.5	619.5	587.6	1209.7	1831.7	4177.1	6522.4
77.5°	495.9	474.1	452.4	819.7	1186.9	2923.5	4660.2
80°	357.2	348.2	339.2	528.1	717.2	1883.5	3050.0
82.5°	245.8	244.0	242.4	324.8	407.5	1090.2	1772.9
85°	144.9	145.8	146.6	173.6	200.8	490.4	780.0
87.5°	62.6	63.4	64.3	72.0	79.7	160.6	241.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)