

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: P968440

Luminaire Tested: **NAV-SB5B-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968440
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-SB5B-835-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26946.2 lumens
Efficiency: N/A
Efficacy: 147.5 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): 182.7
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

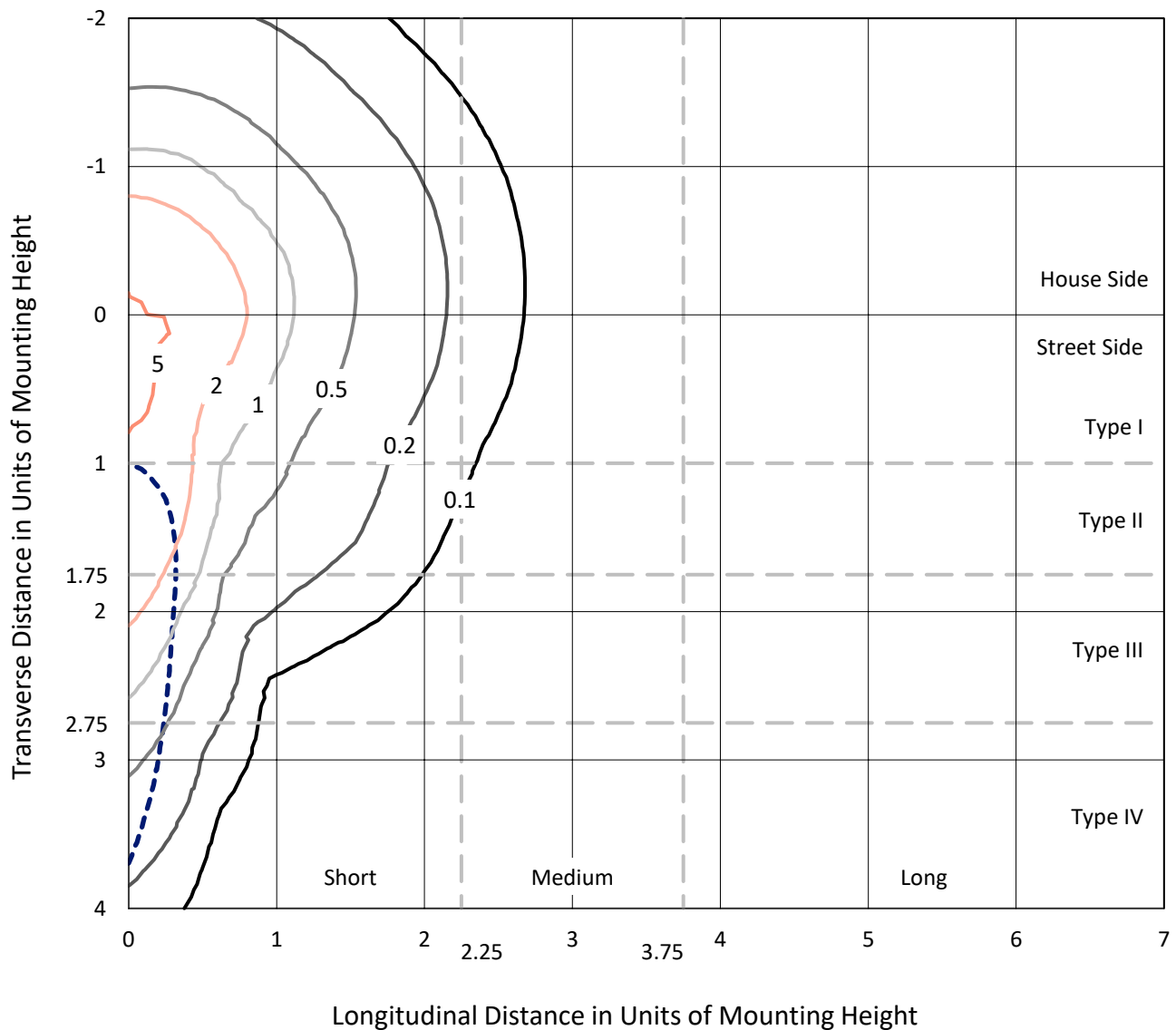


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Iso-Footcandle Lines of Horizontal Illumination

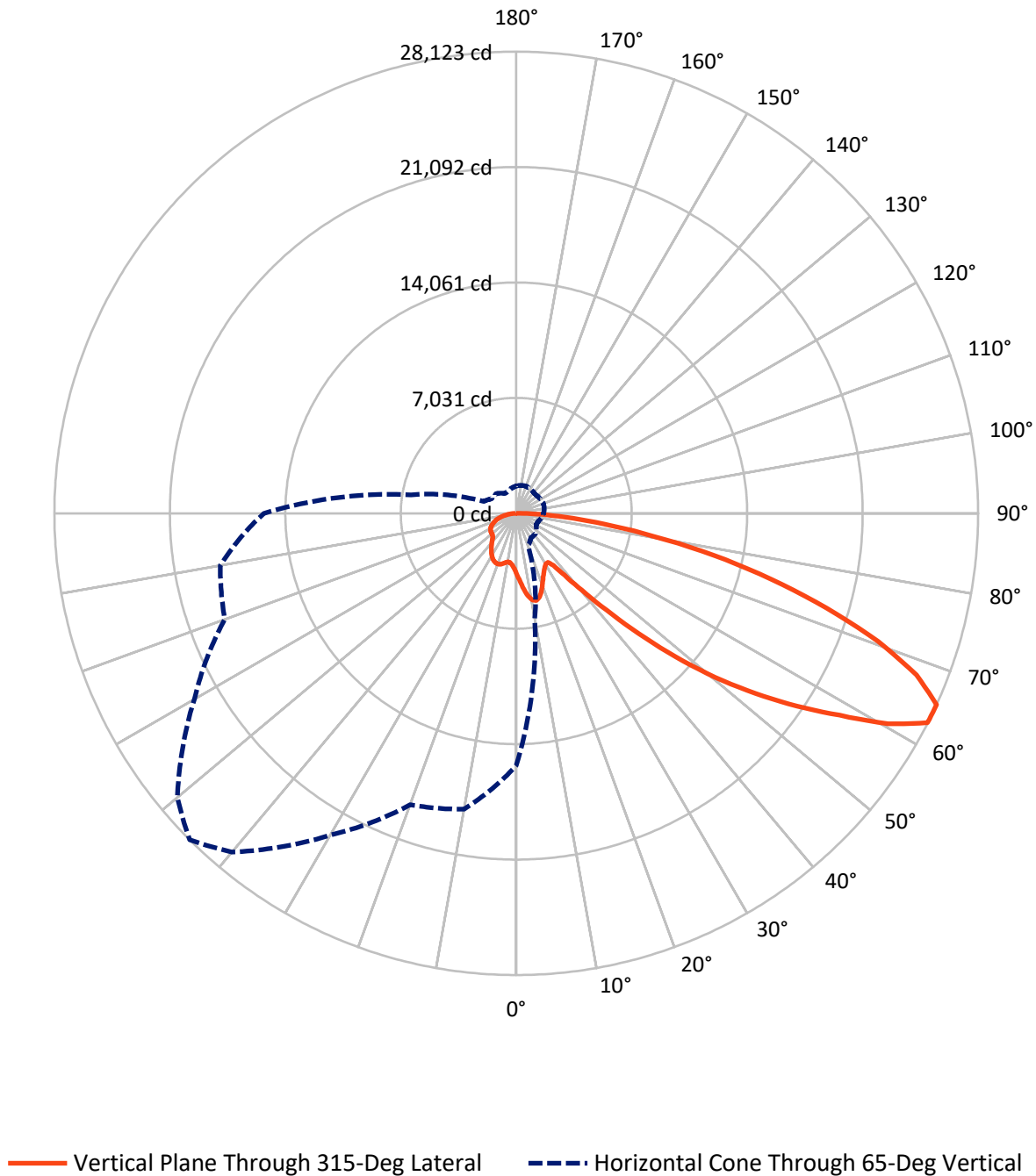
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	6848.4	0.0	6848.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20097.9	0.0	20097.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	26946.2	0.0	26946.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.6	1.4
10°-20°	1153.9	4.3
20°-30°	1782.3	6.6
30°-40°	2258.7	8.4
40°-50°	3406.6	12.6
50°-60°	5503.9	20.4
60°-70°	6861.5	25.5
70°-80°	4499.4	16.7
80°-90°	1112.4	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°	26946.2	100.0
0°-180°	26946.2	100.0

Coefficient of Utilization



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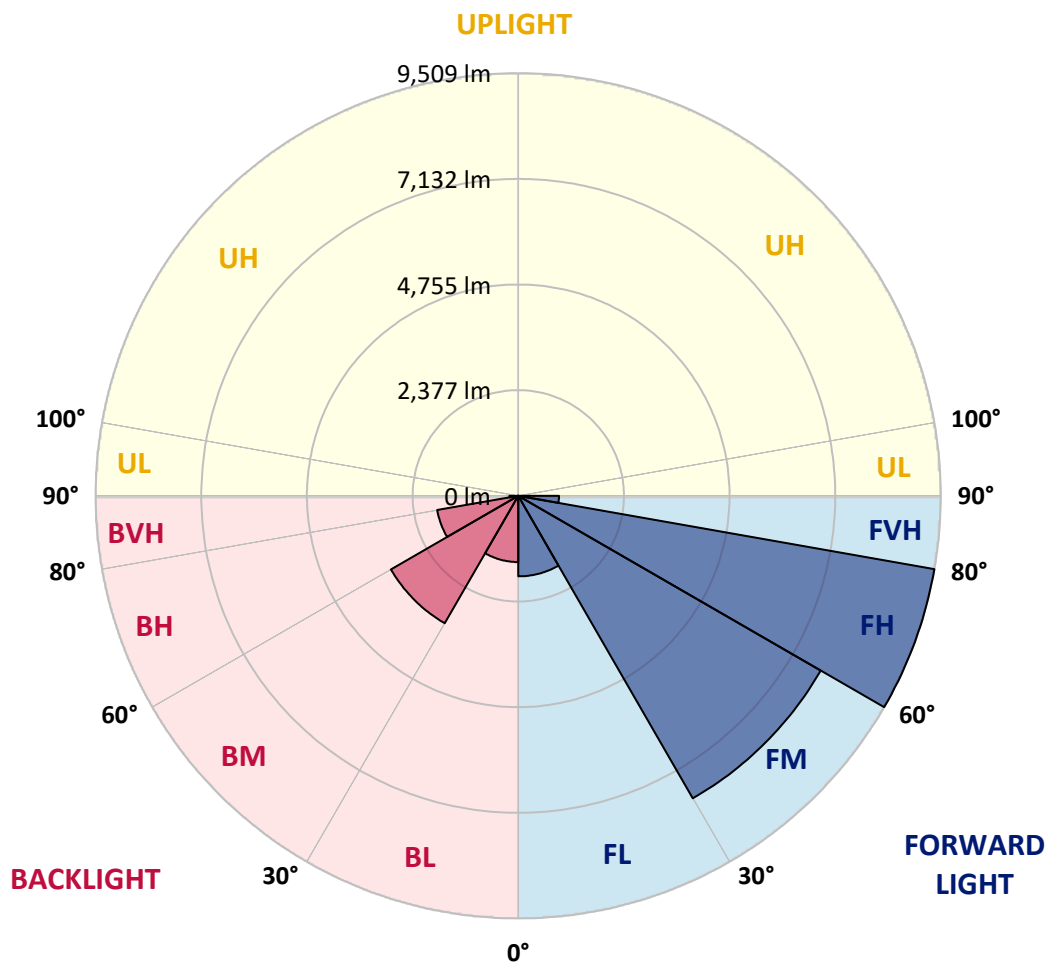
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1812.4	6.7			
FM	(30°-60°)	7859.6	29.2			
FH	(60°-80°)	9509.4	35.3			G4/12000
FVH	(80°-90°)	916.3	3.4			G5
BL	(0°-30°)	1491.3	5.5	B3/2500		
BM	(30°-60°)	3309.6	12.3	B3/5000		
BH	(60°-80°)	1851.5	6.9	B3/2500		G3/2500
BVH	(80°-90°)	196.0	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3984.7	3954.1	3923.6	3891.0	3858.6	3825.9	3793.2	3762.0	3730.7	3700.4	3666.6
5°	4284.7	4217.2	4149.7	4082.3	4015.0	3947.2	3879.5	3816.3	3752.9	3693.3	3634.2
7.5°	4586.2	4474.7	4363.3	4260.4	4157.5	4057.3	3957.0	3868.7	3780.4	3698.9	3622.6
10°	4817.2	4676.4	4535.4	4399.3	4263.4	4141.7	4019.8	3915.5	3810.8	3710.3	3628.3
12.5°	4958.7	4803.9	4649.2	4495.0	4340.9	4197.3	4053.7	3935.5	3817.4	3711.7	3635.4
15°	5044.7	4883.3	4722.0	4554.8	4387.5	4222.2	4056.8	3920.0	3783.3	3666.2	3605.1
17.5°	5093.0	4929.4	4765.7	4583.3	4400.9	4209.0	4017.0	3852.5	3688.0	3550.4	3512.7
20°	5146.4	4976.4	4806.1	4605.6	4405.1	4172.6	3939.9	3736.0	3532.2	3371.9	3362.0
22.5°	5208.2	5034.5	4860.5	4635.8	4410.9	4127.9	3845.0	3599.4	3353.9	3171.5	3190.9
25°	5287.9	5117.5	4947.4	4690.4	4433.3	4083.8	3734.5	3446.9	3159.4	2972.4	3025.0
27.5°	5395.9	5233.5	5071.0	4775.7	4480.3	4054.4	3628.6	3307.4	2986.1	2816.0	2879.9
30°	5541.7	5384.6	5227.8	4886.2	4544.5	4040.7	3536.5	3190.7	2845.1	2702.2	2752.4
32.5°	5713.7	5558.3	5403.0	5001.5	4600.0	4023.5	3446.9	3090.3	2733.5	2618.4	2640.7
35°	5922.8	5774.0	5625.1	5132.9	4640.6	3991.5	3342.5	2991.5	2640.4	2544.4	2535.1
37.5°	6274.6	6084.9	5895.3	5280.1	4664.8	3936.4	3207.9	2875.1	2542.3	2458.4	2424.5
40°	6806.4	6530.0	6253.5	5466.8	4680.0	3860.6	3041.4	2736.3	2431.4	2355.2	2303.4
42.5°	7511.6	7112.7	6713.6	5711.3	4708.8	3782.4	2856.2	2583.2	2310.2	2240.1	2174.7
45°	8382.6	7844.3	7306.2	6032.9	4759.7	3709.8	2660.0	2420.5	2181.1	2110.1	2046.7
47.5°	9471.6	8714.2	7956.7	6375.6	4794.4	3649.7	2505.0	2291.9	2078.7	1987.1	1932.5
50°	10899.1	9757.3	8615.2	6693.5	4771.7	3584.3	2397.0	2206.4	2015.9	1895.3	1832.1
52.5°	12537.9	10853.0	9168.1	6900.0	4631.7	3473.8	2316.2	2150.1	1984.2	1845.5	1757.2
55°	14282.5	11824.4	9366.4	6854.5	4342.3	3290.8	2239.1	2109.3	1979.5	1850.5	1717.3
57.5°	15869.3	12512.8	9156.4	6534.3	3912.2	3032.6	2152.7	2061.0	1969.2	1855.6	1693.4
60°	16828.2	12684.9	8541.3	5938.3	3335.4	2697.3	2059.1	1987.1	1914.9	1839.9	1671.0
62.5°	16341.3	11960.4	7579.6	5132.6	2685.6	2296.0	1906.4	1858.5	1810.8	1801.4	1644.8
65°	15366.6	10935.4	6504.2	4310.4	2116.8	1935.0	1753.2	1730.5	1708.0	1709.1	1589.7
67.5°	14060.6	9715.7	5370.6	3505.2	1639.7	1588.0	1536.3	1549.0	1561.5	1558.3	1491.3
70°	12491.7	8384.6	4277.6	2759.8	1242.0	1256.8	1271.4	1330.0	1388.5	1388.5	1366.4
72.5°	10622.0	6941.7	3261.8	2109.9	958.1	1002.6	1047.2	1130.3	1213.1	1227.0	1227.3
75°	8256.7	5287.7	2318.8	1531.4	743.9	784.3	824.7	917.7	1010.6	1074.9	1069.5
77.5°	5899.3	3701.0	1502.6	1037.7	572.8	600.1	627.7	718.0	808.3	914.3	911.4
80°	3861.1	2384.5	907.8	668.5	429.4	440.7	452.1	528.6	605.0	731.5	731.1
82.5°	2244.3	1380.1	515.9	411.2	306.9	308.8	311.1	367.4	423.7	531.8	537.7
85°	987.5	620.7	254.2	219.9	185.5	184.6	183.4	224.7	265.9	346.2	354.0
87.5°	305.7	203.4	101.0	91.1	81.3	80.4	79.3	96.1	113.1	146.5	156.4
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°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3639.4	3612.2	3587.6	3563.1	3541.7	3520.3	3498.6	3477.1	3460.5	3443.7	3430.2
5°	3582.8	3531.1	3488.0	3444.8	3406.8	3368.7	3334.1	3299.4	3272.8	3246.1	3227.4
7.5°	3554.1	3485.6	3428.8	3371.9	3324.0	3275.9	3233.6	3191.3	3159.7	3128.1	3105.9
10°	3556.0	3483.8	3427.0	3370.1	3318.4	3266.7	3219.1	3171.5	3133.6	3095.6	3070.9
12.5°	3576.2	3517.4	3479.6	3442.1	3401.4	3361.0	3311.7	3262.5	3214.1	3165.7	3133.7
15°	3576.8	3548.7	3553.8	3558.9	3548.3	3537.9	3495.0	3452.2	3383.4	3314.6	3266.0
17.5°	3523.0	3533.3	3595.3	3657.3	3690.3	3723.1	3688.6	3654.1	3563.0	3471.9	3400.2
20°	3410.3	3458.7	3566.3	3674.0	3743.0	3812.0	3796.1	3780.0	3675.8	3571.7	3483.8
22.5°	3262.5	3333.9	3456.8	3579.9	3669.6	3759.4	3769.0	3778.6	3679.0	3579.5	3489.1
25°	3107.5	3189.9	3300.4	3411.0	3499.4	3587.6	3620.6	3653.4	3571.8	3490.3	3409.9
27.5°	2959.6	3039.2	3130.0	3220.8	3291.6	3362.4	3399.1	3435.9	3377.8	3319.8	3257.3
30°	2815.6	2878.9	2954.4	3029.7	3088.4	3147.3	3177.1	3207.0	3162.7	3118.4	3073.8
32.5°	2678.0	2715.4	2775.6	2835.9	2892.1	2948.6	2981.7	3015.0	2974.3	2933.5	2897.9
35°	2545.4	2555.7	2601.7	2647.5	2703.2	2759.1	2798.9	2838.7	2809.7	2780.8	2747.8
37.5°	2413.2	2401.8	2434.8	2467.6	2523.2	2578.9	2628.1	2677.3	2664.0	2650.6	2620.3
40°	2277.7	2251.9	2275.7	2299.4	2353.2	2406.9	2463.5	2520.3	2523.4	2526.6	2500.9
42.5°	2140.6	2106.5	2125.8	2145.3	2196.2	2247.2	2308.4	2369.5	2385.9	2402.2	2380.5
45°	2013.5	1980.3	1996.6	2013.1	2061.4	2109.8	2173.1	2236.5	2260.0	2283.5	2263.9
47.5°	1904.8	1876.9	1892.2	1907.4	1954.8	2001.9	2064.6	2127.1	2154.1	2181.1	2167.5
50°	1807.3	1782.7	1806.6	1830.6	1875.2	1919.8	1975.8	2031.9	2066.5	2101.2	2100.3
52.5°	1732.7	1708.4	1744.3	1780.1	1821.1	1861.9	1914.1	1966.5	2007.5	2048.6	2055.9
55°	1678.6	1640.1	1691.1	1742.1	1786.2	1830.2	1876.0	1921.7	1965.1	2008.8	2019.0
57.5°	1637.1	1580.9	1635.7	1690.5	1742.3	1794.1	1839.3	1884.7	1928.6	1972.4	1982.8
60°	1598.0	1524.9	1573.2	1621.2	1680.6	1740.0	1786.0	1832.1	1876.2	1920.2	1931.6
62.5°	1553.5	1462.4	1492.9	1523.6	1592.7	1662.1	1711.2	1760.2	1800.6	1841.0	1852.0
65°	1492.7	1395.5	1407.3	1419.0	1493.2	1567.6	1614.5	1661.4	1697.0	1732.6	1743.7
67.5°	1410.5	1329.7	1326.0	1322.4	1390.8	1459.5	1504.0	1548.4	1579.1	1609.9	1620.7
70°	1308.9	1251.5	1238.7	1225.9	1286.2	1346.4	1384.9	1423.3	1451.0	1478.8	1489.2
72.5°	1188.0	1148.6	1129.8	1111.2	1158.7	1206.0	1240.7	1275.4	1302.6	1329.7	1342.2
75°	1039.2	1008.8	990.9	972.8	1008.1	1043.3	1074.8	1106.2	1131.0	1155.7	1168.8
77.5°	887.1	862.7	844.6	826.4	855.1	883.7	910.7	937.7	963.7	989.6	1001.8
80°	710.7	690.3	675.1	659.7	683.7	707.4	730.1	752.9	772.6	792.2	808.4
82.5°	527.8	517.8	507.1	496.2	494.3	492.2	484.3	476.3	518.4	560.5	588.0
85°	343.4	332.7	320.6	308.5	298.3	287.9	265.9	243.8	283.2	322.8	356.9
87.5°	152.1	147.9	145.5	143.3	142.9	142.5	125.7	108.8	125.3	141.9	155.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3416.7	3406.2	3395.6	3386.0	3376.1	3364.0	3376.1	3386.0	3395.6	3406.2	3416.7
5°	3208.9	3195.6	3182.4	3172.3	3162.2	3152.3	3162.2	3172.3	3182.4	3195.6	3208.9
7.5°	3083.7	3068.5	3053.4	3044.4	3035.3	3028.6	3035.3	3044.4	3053.4	3068.5	3083.7
10°	3045.9	3031.5	3017.2	3009.5	3001.8	2998.6	3001.8	3009.5	3017.2	3031.5	3045.9
12.5°	3101.8	3085.7	3069.8	3063.2	3056.7	3055.5	3056.7	3063.2	3069.8	3085.7	3101.8
15°	3217.4	3195.0	3172.9	3164.3	3155.8	3155.1	3155.8	3164.3	3172.9	3195.0	3217.4
17.5°	3328.6	3295.6	3262.5	3251.6	3240.6	3239.0	3240.6	3251.6	3262.5	3295.6	3328.6
20°	3396.1	3353.9	3311.5	3297.9	3284.5	3280.2	3284.5	3297.9	3311.5	3353.9	3396.1
22.5°	3398.5	3354.0	3309.3	3294.5	3279.5	3273.1	3279.5	3294.5	3309.3	3354.0	3398.5
25°	3329.7	3291.0	3252.5	3238.4	3224.4	3216.2	3224.4	3238.4	3252.5	3291.0	3329.7
27.5°	3194.9	3169.0	3143.0	3136.6	3130.2	3128.1	3130.2	3136.6	3143.0	3169.0	3194.9
30°	3028.8	3015.5	3002.2	3002.2	3002.2	3004.4	3002.2	3002.2	3002.2	3015.5	3028.8
32.5°	2862.2	2853.5	2844.8	2846.0	2847.2	2849.4	2847.2	2846.0	2844.8	2853.5	2862.2
35°	2715.0	2701.8	2688.7	2685.9	2683.0	2681.6	2683.0	2685.9	2688.7	2701.8	2715.0
37.5°	2589.9	2565.9	2542.0	2529.3	2516.7	2509.6	2516.7	2529.3	2542.0	2565.9	2589.9
40°	2475.2	2440.2	2405.5	2381.9	2358.5	2344.6	2358.5	2381.9	2405.5	2440.2	2475.2
42.5°	2358.8	2315.5	2272.1	2237.9	2203.5	2181.1	2203.5	2237.9	2272.1	2315.5	2358.8
45°	2244.3	2194.7	2145.3	2105.0	2064.8	2038.9	2064.8	2105.0	2145.3	2194.7	2244.3
47.5°	2153.8	2109.8	2065.7	2028.4	1991.3	1966.5	1991.3	2028.4	2065.7	2109.8	2153.8
50°	2099.8	2064.6	2029.3	1994.9	1960.4	1936.5	1960.4	1994.9	2029.3	2064.6	2099.8
52.5°	2063.4	2034.6	2005.9	1975.1	1944.4	1922.4	1944.4	1975.1	2005.9	2034.6	2063.4
55°	2029.3	2004.3	1979.2	1952.2	1925.2	1905.3	1925.2	1952.2	1979.2	2004.3	2029.3
57.5°	1993.1	1967.8	1942.6	1915.8	1889.0	1868.3	1889.0	1915.8	1942.6	1967.8	1993.1
60°	1943.0	1918.2	1893.6	1866.0	1838.4	1817.1	1838.4	1866.0	1893.6	1918.2	1943.0
62.5°	1862.9	1840.6	1818.2	1789.2	1760.2	1734.6	1760.2	1789.2	1818.2	1840.6	1862.9
65°	1754.8	1733.4	1712.0	1683.8	1655.8	1633.7	1655.8	1683.8	1712.0	1733.4	1754.8
67.5°	1631.6	1611.8	1592.2	1566.0	1539.9	1520.0	1539.9	1566.0	1592.2	1611.8	1631.6
70°	1499.8	1483.7	1467.6	1442.6	1417.6	1394.8	1417.6	1442.6	1467.6	1483.7	1499.8
72.5°	1354.7	1341.4	1328.0	1304.1	1280.3	1258.3	1280.3	1304.1	1328.0	1341.4	1354.7
75°	1181.8	1175.3	1168.8	1148.7	1128.6	1107.6	1128.6	1148.7	1168.8	1175.3	1181.8
77.5°	1014.0	1005.0	995.6	975.4	955.2	938.4	955.2	975.4	995.6	1005.0	1014.0
80°	824.7	820.7	816.8	789.7	762.4	730.8	762.4	789.7	816.8	820.7	824.7
82.5°	615.6	614.0	612.1	589.2	566.2	546.0	566.2	589.2	612.1	614.0	615.6
85°	391.0	388.2	385.3	367.4	349.5	331.3	349.5	367.4	385.3	388.2	391.0
87.5°	169.5	166.0	162.4	153.2	143.9	135.1	143.9	153.2	162.4	166.0	169.5
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: P968440

CATALOG NUMBER: NAV-SB5B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3430.2	3443.7	3460.5	3477.1	3498.6	3520.3	3541.7	3563.1	3587.6	3612.2	3639.4
5°	3227.4	3246.1	3272.8	3299.4	3334.1	3368.7	3406.8	3444.8	3488.0	3531.1	3582.8
7.5°	3105.9	3128.1	3159.7	3191.3	3233.6	3275.9	3324.0	3371.9	3428.8	3485.6	3554.1
10°	3070.9	3095.6	3133.6	3171.5	3219.1	3266.7	3318.4	3370.1	3427.0	3483.8	3556.0
12.5°	3133.7	3165.7	3214.1	3262.5	3311.7	3361.0	3401.4	3442.1	3479.6	3517.4	3576.2
15°	3266.0	3314.6	3383.4	3452.2	3495.0	3537.9	3548.3	3558.9	3553.8	3548.7	3576.8
17.5°	3400.2	3471.9	3563.0	3654.1	3688.6	3723.1	3690.3	3657.3	3595.3	3533.3	3523.0
20°	3483.8	3571.7	3675.8	3780.0	3796.1	3812.0	3743.0	3674.0	3566.3	3458.7	3410.3
22.5°	3489.1	3579.5	3679.0	3778.6	3769.0	3759.4	3669.6	3579.9	3456.8	3333.9	3262.5
25°	3409.9	3490.3	3571.8	3653.4	3620.6	3587.6	3499.4	3411.0	3300.4	3189.9	3107.5
27.5°	3257.3	3319.8	3377.8	3435.9	3399.1	3362.4	3291.6	3220.8	3130.0	3039.2	2959.6
30°	3073.8	3118.4	3162.7	3207.0	3177.1	3147.3	3088.4	3029.7	2954.4	2878.9	2815.6
32.5°	2897.9	2933.5	2974.3	3015.0	2981.7	2948.6	2892.1	2835.9	2775.6	2715.4	2678.0
35°	2747.8	2780.8	2809.7	2838.7	2798.9	2759.1	2703.2	2647.5	2601.7	2555.7	2545.4
37.5°	2620.3	2650.6	2664.0	2677.3	2628.1	2578.9	2523.2	2467.6	2434.8	2401.8	2413.2
40°	2500.9	2526.6	2523.4	2520.3	2463.5	2406.9	2353.2	2299.4	2275.7	2251.9	2277.7
42.5°	2380.5	2402.2	2385.9	2369.5	2308.4	2247.2	2196.2	2145.3	2125.8	2106.5	2140.6
45°	2263.9	2283.5	2260.0	2236.5	2173.1	2109.8	2061.4	2013.1	1996.6	1980.3	2013.5
47.5°	2167.5	2181.1	2154.1	2127.1	2064.6	2001.9	1954.8	1907.4	1892.2	1876.9	1904.8
50°	2100.3	2101.2	2066.5	2031.9	1975.8	1919.8	1875.2	1830.6	1806.6	1782.7	1807.3
52.5°	2055.9	2048.6	2007.5	1966.5	1914.1	1861.9	1821.1	1780.1	1744.3	1708.4	1732.7
55°	2019.0	2008.8	1965.1	1921.7	1876.0	1830.2	1786.2	1742.1	1691.1	1640.1	1678.6
57.5°	1982.8	1972.4	1928.6	1884.7	1839.3	1794.1	1742.3	1690.5	1635.7	1580.9	1637.1
60°	1931.6	1920.2	1876.2	1832.1	1786.0	1740.0	1680.6	1621.2	1573.2	1524.9	1598.0
62.5°	1852.0	1841.0	1800.6	1760.2	1711.2	1662.1	1592.7	1523.6	1492.9	1462.4	1553.5
65°	1743.7	1732.6	1697.0	1661.4	1614.5	1567.6	1493.2	1419.0	1407.3	1395.5	1492.7
67.5°	1620.7	1609.9	1579.1	1548.4	1504.0	1459.5	1390.8	1322.4	1326.0	1329.7	1410.5
70°	1489.2	1478.8	1451.0	1423.3	1384.9	1346.4	1286.2	1225.9	1238.7	1251.5	1308.9
72.5°	1342.2	1329.7	1302.6	1275.4	1240.7	1206.0	1158.7	1111.2	1129.8	1148.6	1188.0
75°	1168.8	1155.7	1131.0	1106.2	1074.8	1043.3	1008.1	972.8	990.9	1008.8	1039.2
77.5°	1001.8	989.6	963.7	937.7	910.7	883.7	855.1	826.4	844.6	862.7	887.1
80°	808.4	792.2	772.6	752.9	730.1	707.4	683.7	659.7	675.1	690.3	710.7
82.5°	588.0	560.5	518.4	476.3	484.3	492.2	494.3	496.2	507.1	517.8	527.8
85°	356.9	322.8	283.2	243.8	265.9	287.9	298.3	308.5	320.6	332.7	343.4
87.5°	155.7	141.9	125.3	108.8	125.7	142.5	142.9	143.3	145.5	147.9	152.1
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: P968440

CATALOG NUMBER: NAV-SB5B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3666.6	3700.4	3730.7	3762.0	3793.2	3825.9	3858.6	3891.0	3923.6	3954.1	3984.7
5°	3634.2	3693.3	3752.9	3816.3	3879.5	3947.2	4015.0	4082.3	4149.7	4217.2	4284.7
7.5°	3622.6	3698.9	3780.4	3868.7	3957.0	4057.3	4157.5	4260.4	4363.3	4474.7	4586.2
10°	3628.3	3710.3	3810.8	3915.5	4019.8	4141.7	4263.4	4399.3	4535.4	4676.4	4817.2
12.5°	3635.4	3711.7	3817.4	3935.5	4053.7	4197.3	4340.9	4495.0	4649.2	4803.9	4958.7
15°	3605.1	3666.2	3783.3	3920.0	4056.8	4222.2	4387.5	4554.8	4722.0	4883.3	5044.7
17.5°	3512.7	3550.4	3688.0	3852.5	4017.0	4209.0	4400.9	4583.3	4765.7	4929.4	5093.0
20°	3362.0	3371.9	3532.2	3736.0	3939.9	4172.6	4405.1	4605.6	4806.1	4976.4	5146.4
22.5°	3190.9	3171.5	3353.9	3599.4	3845.0	4127.9	4410.9	4635.8	4860.5	5034.5	5208.2
25°	3025.0	2972.4	3159.4	3446.9	3734.5	4083.8	4433.3	4690.4	4947.4	5117.5	5287.9
27.5°	2879.9	2816.0	2986.1	3307.4	3628.6	4054.4	4480.3	4775.7	5071.0	5233.5	5395.9
30°	2752.4	2702.2	2845.1	3190.7	3536.5	4040.7	4544.5	4886.2	5227.8	5384.6	5541.7
32.5°	2640.7	2618.4	2733.5	3090.3	3446.9	4023.5	4600.0	5001.5	5403.0	5558.3	5713.7
35°	2535.1	2544.4	2640.4	2991.5	3342.5	3991.5	4640.6	5132.9	5625.1	5774.0	5922.8
37.5°	2424.5	2458.4	2542.3	2875.1	3207.9	3936.4	4664.8	5280.1	5895.3	6084.9	6274.6
40°	2303.4	2355.2	2431.4	2736.3	3041.4	3860.6	4680.0	5466.8	6253.5	6530.0	6806.4
42.5°	2174.7	2240.1	2310.2	2583.2	2856.2	3782.4	4708.8	5711.3	6713.6	7112.7	7511.6
45°	2046.7	2110.1	2181.1	2420.5	2660.0	3709.8	4759.7	6032.9	7306.2	7844.3	8382.6
47.5°	1932.5	1987.1	2078.7	2291.9	2505.0	3649.7	4794.4	6375.6	7956.7	8714.2	9471.6
50°	1832.1	1895.3	2015.9	2206.4	2397.0	3584.3	4771.7	6693.5	8615.2	9757.3	10899.1
52.5°	1757.2	1845.5	1984.2	2150.1	2316.2	3473.8	4631.7	6900.0	9168.1	10853.0	12537.9
55°	1717.3	1850.5	1979.5	2109.3	2239.1	3290.8	4342.3	6854.5	9366.4	11824.4	14282.5
57.5°	1693.4	1855.6	1969.2	2061.0	2152.7	3032.6	3912.2	6534.3	9156.4	12512.8	15869.3
60°	1671.0	1839.9	1914.9	1987.1	2059.1	2697.3	3335.4	5938.3	8541.3	12684.9	16828.2
62.5°	1644.8	1801.4	1810.8	1858.5	1906.4	2296.0	2685.6	5132.6	7579.6	11960.4	16341.3
65°	1589.7	1709.1	1708.0	1730.5	1753.2	1935.0	2116.8	4310.4	6504.2	10935.4	15366.6
67.5°	1491.3	1558.3	1561.5	1549.0	1536.3	1588.0	1639.7	3505.2	5370.6	9715.7	14060.6
70°	1366.4	1388.5	1388.5	1330.0	1271.4	1256.8	1242.0	2759.8	4277.6	8384.6	12491.7
72.5°	1227.3	1227.0	1213.1	1130.3	1047.2	1002.6	958.1	2109.9	3261.8	6941.7	10622.0
75°	1069.5	1074.9	1010.6	917.7	824.7	784.3	743.9	1531.4	2318.8	5287.7	8256.7
77.5°	911.4	914.3	808.3	718.0	627.7	600.1	572.8	1037.7	1502.6	3701.0	5899.3
80°	731.1	731.5	605.0	528.6	452.1	440.7	429.4	668.5	907.8	2384.5	3861.1
82.5°	537.7	531.8	423.7	367.4	311.1	308.8	306.9	411.2	515.9	1380.1	2244.3
85°	354.0	346.2	265.9	224.7	183.4	184.6	185.5	219.9	254.2	620.7	987.5
87.5°	156.4	146.5	113.1	96.1	79.3	80.4	81.3	91.1	101.0	203.4	305.7
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: P968440

CATALOG NUMBER: NAV-SB5B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	3999.8	4015.0	4036.4	4058.0	4070.8	4083.6	4090.0	4096.3	4093.5	4096.3	4090.0
5°	4337.5	4390.4	4442.8	4495.1	4523.6	4552.0	4569.2	4586.6	4599.7	4586.6	4569.2
7.5°	4672.1	4757.7	4835.0	4912.2	4958.7	5005.2	5030.4	5055.4	5067.5	5055.4	5030.4
10°	4918.8	5020.2	5110.9	5201.4	5256.3	5310.9	5335.3	5359.6	5369.0	5359.6	5335.3
12.5°	5068.7	5178.6	5260.5	5342.2	5382.0	5421.8	5435.2	5448.5	5449.9	5448.5	5435.2
15°	5139.7	5234.6	5285.8	5337.4	5338.7	5340.1	5326.0	5311.8	5294.9	5311.8	5326.0
17.5°	5157.2	5221.3	5222.3	5223.2	5165.6	5108.0	5055.2	5002.3	4965.1	5002.3	5055.2
20°	5168.7	5191.2	5123.7	5056.1	4929.0	4801.8	4709.3	4616.7	4559.9	4616.7	4709.3
22.5°	5178.9	5149.7	5009.8	4869.9	4682.8	4495.9	4380.1	4264.4	4201.6	4264.4	4380.1
25°	5195.4	5103.1	4890.6	4678.2	4451.1	4224.0	4102.4	3980.9	3921.4	3980.9	4102.4
27.5°	5230.7	5065.3	4784.0	4502.7	4251.1	3999.3	3879.6	3760.1	3703.9	3760.1	3879.6
30°	5295.3	5048.9	4702.6	4356.2	4094.1	3831.9	3720.9	3609.7	3557.5	3609.7	3720.9
32.5°	5376.3	5039.0	4647.1	4255.3	4008.9	3762.5	3675.3	3588.0	3550.4	3588.0	3675.3
35°	5509.8	5097.0	4688.7	4280.5	4109.3	3938.3	3917.9	3897.6	3894.5	3897.6	3917.9
37.5°	5788.9	5303.2	4932.1	4561.0	4549.9	4538.8	4631.8	4724.8	4773.1	4724.8	4631.8
40°	6278.1	5749.9	5474.0	5198.0	5392.8	5587.6	5813.7	6039.7	6152.4	6039.7	5813.7
42.5°	6987.5	6463.4	6304.5	6145.5	6570.4	6995.2	7406.4	7817.6	8059.1	7817.6	7406.4
45°	7911.8	7440.8	7370.7	7300.5	7981.2	8661.9	9337.5	10013.3	10423.5	10013.3	9337.5
47.5°	9013.6	8555.6	8541.3	8527.1	9509.0	10490.7	11479.9	12468.9	13049.7	12468.9	11479.9
50°	10333.4	9767.8	9770.2	9772.7	11038.1	12303.6	13609.2	14914.9	15704.3	14914.9	13609.2
52.5°	11852.8	11167.9	11098.7	11029.3	12540.9	14052.4	15667.9	17283.2	18229.5	17283.2	15667.9
55°	13605.6	12928.8	12658.9	12388.9	14071.2	15753.3	17679.3	19605.2	20730.5	19605.2	17679.3
57.5°	15500.7	15132.1	14590.5	14049.0	15747.7	17446.3	19627.7	21809.0	23204.6	21809.0	19627.7
60°	17400.7	17973.3	17300.8	16628.3	18235.8	19843.3	22178.8	24514.4	26022.7	24514.4	22178.8
62.5°	17905.5	19469.7	19393.9	19318.0	20790.6	22263.3	24485.4	26707.3	28101.4	26707.3	24485.4
65°	16834.7	18302.7	18593.2	18883.6	20755.0	22626.6	24781.2	26935.8	28122.7	26935.8	24781.2
67.5°	15456.9	16853.2	16989.4	17125.5	19075.4	21025.2	23189.1	25353.0	26282.8	25353.0	23189.1
70°	14010.3	15529.2	15590.0	15651.0	17394.8	19138.4	21000.6	22862.6	23379.4	22862.6	21000.6
72.5°	12364.7	14107.6	14151.4	14195.0	15559.3	16923.6	18318.3	19712.8	19765.1	19712.8	18318.3
75°	10060.5	11864.2	12026.1	12188.1	13249.5	14310.9	15292.7	16274.4	16011.4	16274.4	15292.7
77.5°	7583.1	9266.9	9498.7	9730.4	10537.3	11344.2	12040.5	12737.0	12284.7	12737.0	12040.5
80°	5277.6	6694.1	6982.1	7270.2	7879.6	8488.7	8854.5	9220.0	8492.7	9220.0	8854.5
82.5°	3212.8	4181.4	4503.1	4825.1	5244.5	5663.9	5816.5	5968.9	5397.3	5968.9	5816.5
85°	1501.5	2015.5	2289.1	2562.9	2907.5	3252.0	3338.6	3425.2	2967.4	3425.2	3338.6
87.5°	478.5	651.2	803.9	956.6	1128.9	1301.2	1308.7	1315.9	1104.7	1315.9	1308.7
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: P968440

CATALOG NUMBER: NAV-SB5B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4	3705.4
2.5°	4083.6	4070.8	4058.0	4036.4	4015.0	3999.8	3984.7
5°	4552.0	4523.6	4495.1	4442.8	4390.4	4337.5	4284.7
7.5°	5005.2	4958.7	4912.2	4835.0	4757.7	4672.1	4586.2
10°	5310.9	5256.3	5201.4	5110.9	5020.2	4918.8	4817.2
12.5°	5421.8	5382.0	5342.2	5260.5	5178.6	5068.7	4958.7
15°	5340.1	5338.7	5337.4	5285.8	5234.6	5139.7	5044.7
17.5°	5108.0	5165.6	5223.2	5222.3	5221.3	5157.2	5093.0
20°	4801.8	4929.0	5056.1	5123.7	5191.2	5168.7	5146.4
22.5°	4495.9	4682.8	4869.9	5009.8	5149.7	5178.9	5208.2
25°	4224.0	4451.1	4678.2	4890.6	5103.1	5195.4	5287.9
27.5°	3999.3	4251.1	4502.7	4784.0	5065.3	5230.7	5395.9
30°	3831.9	4094.1	4356.2	4702.6	5048.9	5295.3	5541.7
32.5°	3762.5	4008.9	4255.3	4647.1	5039.0	5376.3	5713.7
35°	3938.3	4109.3	4280.5	4688.7	5097.0	5509.8	5922.8
37.5°	4538.8	4549.9	4561.0	4932.1	5303.2	5788.9	6274.6
40°	5587.6	5392.8	5198.0	5474.0	5749.9	6278.1	6806.4
42.5°	6995.2	6570.4	6145.5	6304.5	6463.4	6987.5	7511.6
45°	8661.9	7981.2	7300.5	7370.7	7440.8	7911.8	8382.6
47.5°	10490.7	9509.0	8527.1	8541.3	8555.6	9013.6	9471.6
50°	12303.6	11038.1	9772.7	9770.2	9767.8	10333.4	10899.1
52.5°	14052.4	12540.9	11029.3	11098.7	11167.9	11852.8	12537.9
55°	15753.3	14071.2	12388.9	12658.9	12928.8	13605.6	14282.5
57.5°	17446.3	15747.7	14049.0	14590.5	15132.1	15500.7	15869.3
60°	19843.3	18235.8	16628.3	17300.8	17973.3	17400.7	16828.2
62.5°	22263.3	20790.6	19318.0	19393.9	19469.7	17905.5	16341.3
65°	22626.6	20755.0	18883.6	18593.2	18302.7	16834.7	15366.6
67.5°	21025.2	19075.4	17125.5	16989.4	16853.2	15456.9	14060.6
70°	19138.4	17394.8	15651.0	15590.0	15529.2	14010.3	12491.7
72.5°	16923.6	15559.3	14195.0	14151.4	14107.6	12364.7	10622.0
75°	14310.9	13249.5	12188.1	12026.1	11864.2	10060.5	8256.7
77.5°	11344.2	10537.3	9730.4	9498.7	9266.9	7583.1	5899.3
80°	8488.7	7879.6	7270.2	6982.1	6694.1	5277.6	3861.1
82.5°	5663.9	5244.5	4825.1	4503.1	4181.4	3212.8	2244.3
85°	3252.0	2907.5	2562.9	2289.1	2015.5	1501.5	987.5
87.5°	1301.2	1128.9	956.6	803.9	651.2	478.5	305.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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