

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: P964687

Luminaire Tested: **NAV-SB3C-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964687
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-827-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19955.7 lumens
Efficiency: N/A
Efficacy: 133.8 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



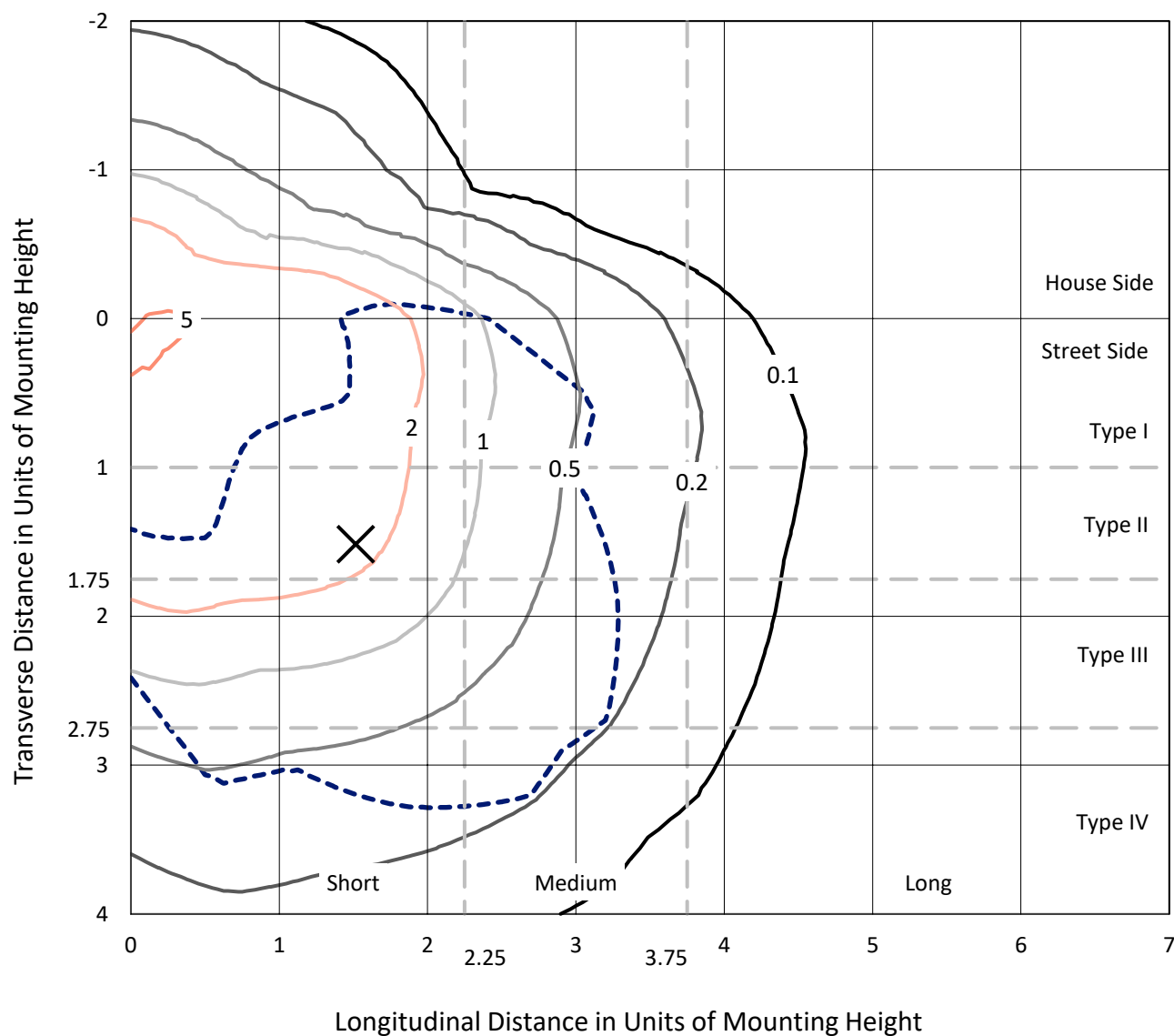
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

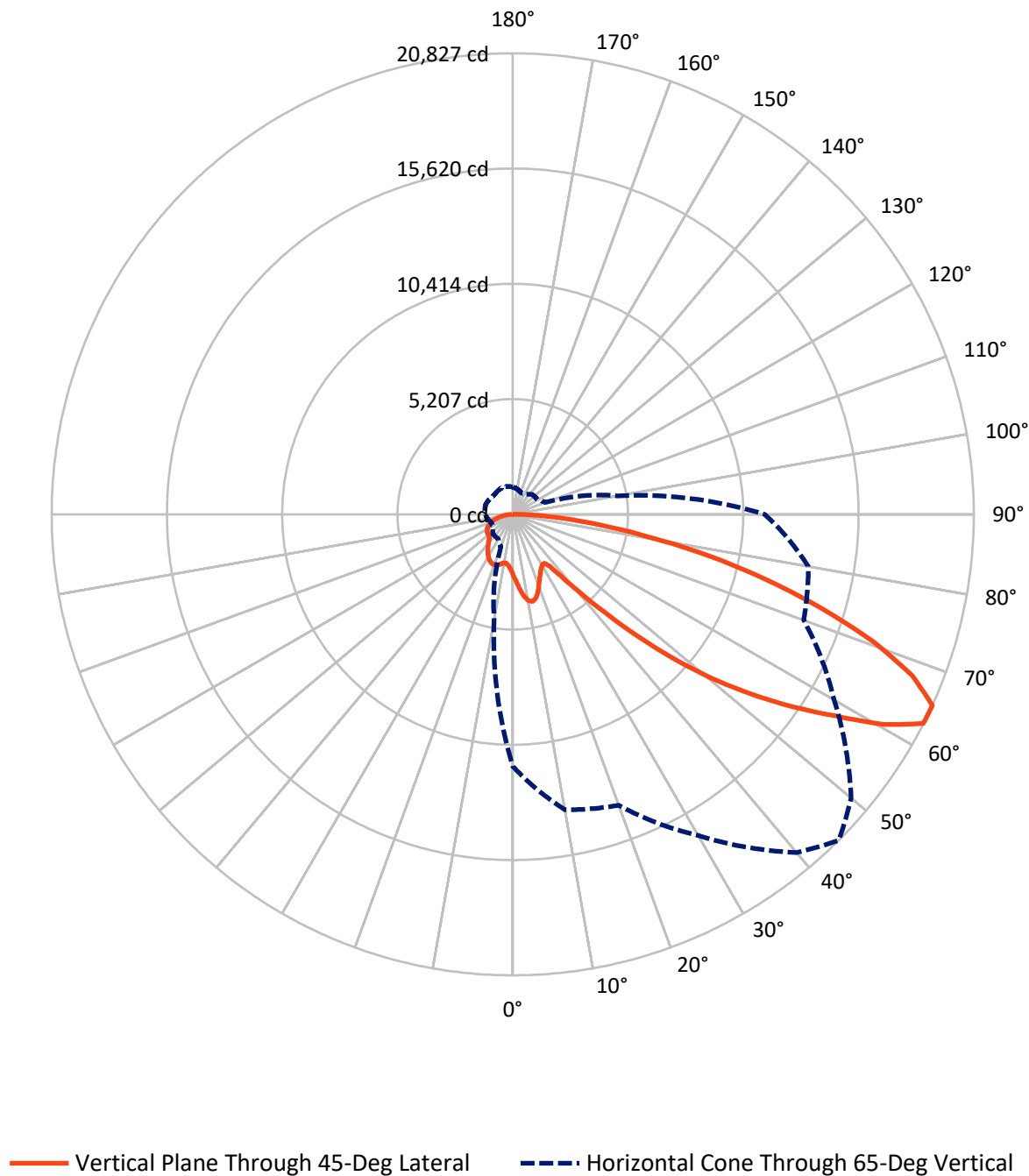


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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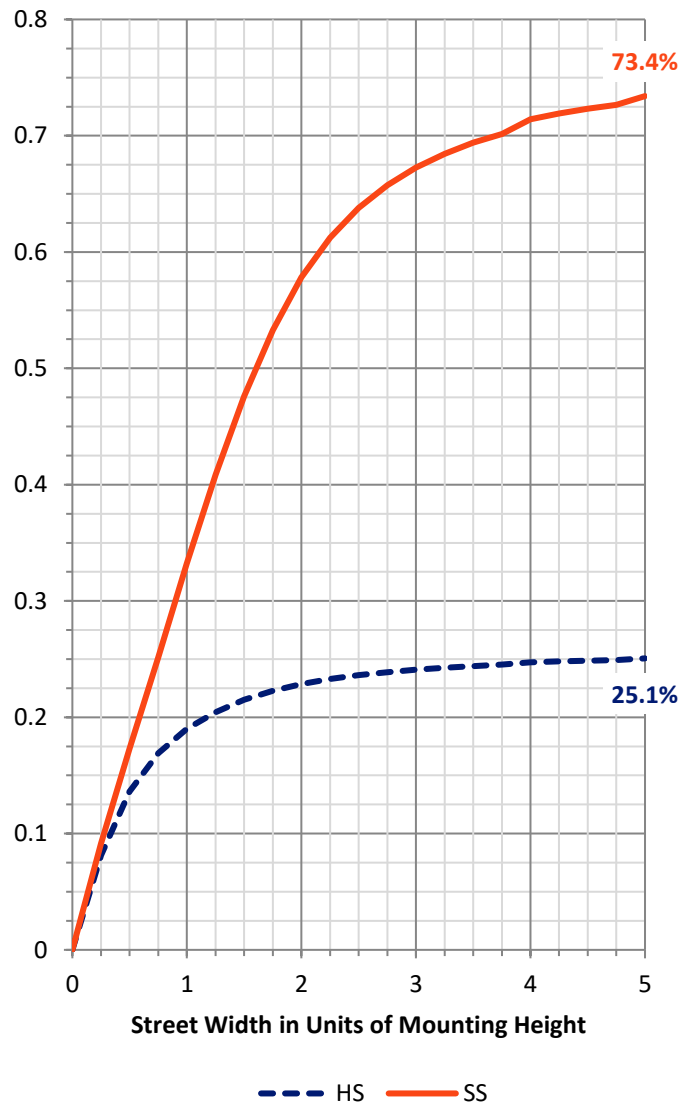
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5071.7	0.0	5071.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14884.0	0.0	14884.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	19955.7	0.0	19955.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.2	1.4
10°-20°	854.5	4.3
20°-30°	1319.9	6.6
30°-40°	1672.7	8.4
40°-50°	2522.9	12.6
50°-60°	4076.1	20.4
60°-70°	5081.5	25.5
70°-80°	3332.2	16.7
80°-90°	823.8	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19955.7	100.0
0°-180°	19955.7	100.0

Coefficient of Utilization



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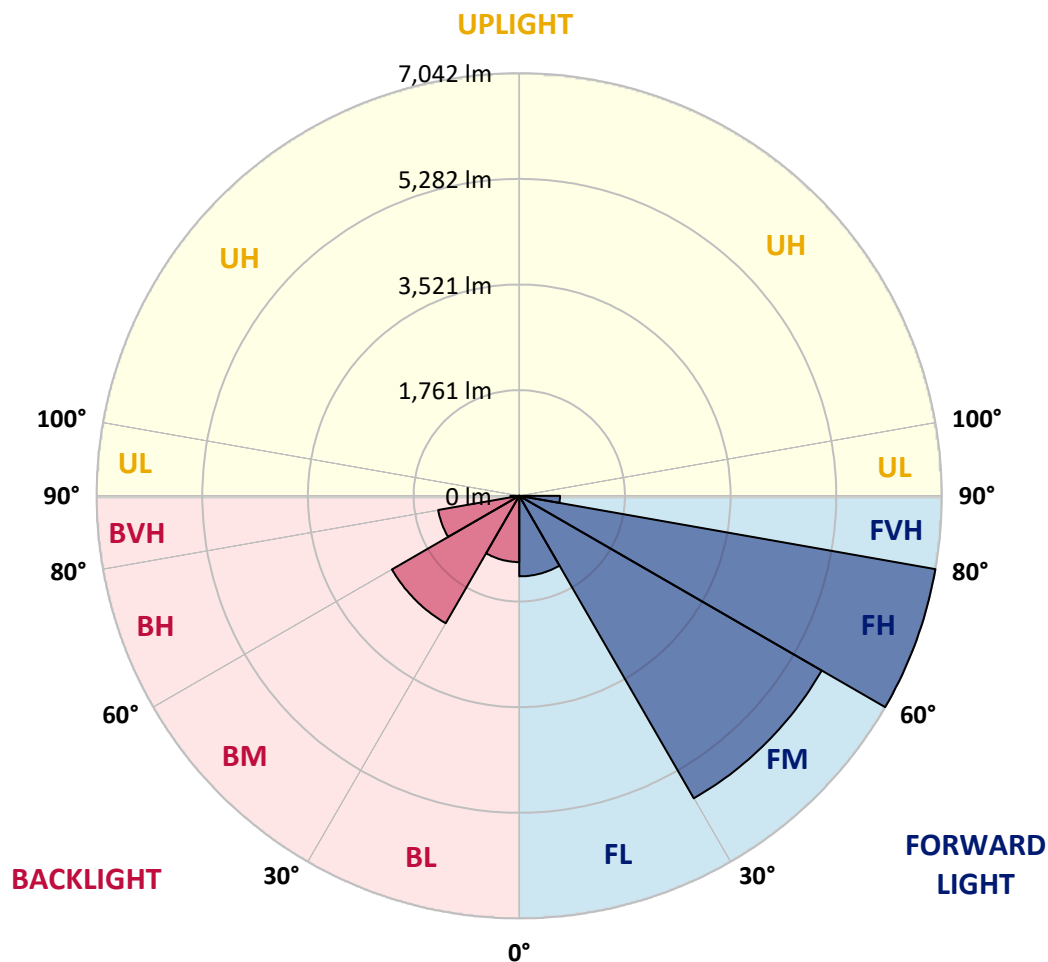
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1342.3	6.7			
FM	(30°-60°)	5820.6	29.2			
FH	(60°-80°)	7042.5	35.3			G3/7500
FVH	(80°-90°)	678.6	3.4			G4/750
BL	(0°-30°)	1104.4	5.5	B3/2500		
BM	(30°-60°)	2451.0	12.3	B2/2500		
BH	(60°-80°)	1371.2	6.9	B3/2500		G3/2500
BVH	(80°-90°)	145.2	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°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2951.0	2962.1	2973.4	2989.3	3005.2	3014.7	3024.2	3028.9	3033.7	3031.5	3033.7
5°	3173.2	3212.2	3251.4	3290.1	3329.0	3350.1	3371.1	3383.8	3396.7	3406.4	3396.7
7.5°	3396.4	3460.0	3523.5	3580.6	3637.8	3672.3	3706.7	3725.4	3743.9	3752.8	3743.9
10°	3567.5	3642.7	3717.9	3784.9	3852.1	3892.6	3933.1	3951.3	3969.2	3976.1	3969.2
12.5°	3672.3	3753.8	3835.1	3895.8	3956.3	3985.8	4015.2	4025.2	4035.0	4036.1	4035.0
15°	3736.0	3806.3	3876.6	3914.6	3952.7	3953.7	3954.8	3944.3	3933.7	3921.3	3933.7
17.5°	3771.8	3819.3	3866.8	3867.5	3868.1	3825.5	3782.9	3743.8	3704.7	3677.0	3704.7
20°	3811.3	3827.9	3844.5	3794.4	3744.4	3650.3	3556.1	3487.6	3419.1	3377.0	3419.1
22.5°	3857.1	3835.4	3813.7	3710.1	3606.5	3468.0	3329.5	3243.8	3158.1	3111.6	3158.1
25°	3916.0	3847.6	3779.2	3621.8	3464.5	3296.4	3128.2	3038.1	2948.1	2904.1	2948.1
27.5°	3996.1	3873.7	3751.3	3542.9	3334.6	3148.2	2961.8	2873.2	2784.6	2743.0	2784.6
30°	4104.0	3921.5	3739.2	3482.6	3226.2	3032.0	2837.8	2755.6	2673.3	2634.6	2673.3
32.5°	4231.4	3981.5	3731.8	3441.5	3151.4	2968.9	2786.5	2721.9	2657.2	2629.3	2657.2
35°	4386.2	4080.4	3774.8	3472.3	3170.0	3043.2	2916.5	2901.5	2886.4	2884.1	2886.4
37.5°	4646.8	4287.2	3927.4	3652.6	3377.8	3369.6	3361.4	3430.2	3499.0	3534.9	3499.0
40°	5040.6	4649.5	4258.3	4053.9	3849.5	3993.8	4138.0	4305.4	4472.9	4556.2	4472.9
42.5°	5562.9	5174.8	4786.6	4669.0	4551.2	4865.9	5180.5	5485.0	5789.5	5968.4	5789.5
45°	6207.9	5859.2	5510.5	5458.5	5406.6	5910.7	6414.8	6915.2	7415.7	7719.5	7415.7
47.5°	7014.5	6675.3	6336.0	6325.5	6314.9	7042.2	7769.2	8501.8	9234.1	9664.3	9234.1
50°	8071.7	7652.6	7233.8	7235.6	7237.4	8174.6	9111.7	10078.6	11045.6	11630.3	11045.6
52.5°	9285.3	8777.9	8270.7	8219.4	8168.0	9287.4	10406.9	11603.3	12799.6	13500.4	12799.6
55°	10577.3	10076.1	9574.8	9374.9	9174.9	10420.8	11666.6	13092.8	14519.1	15352.6	14519.1
57.5°	11752.3	11479.5	11206.4	10805.3	10404.4	11662.3	12920.3	14535.8	16151.2	17184.7	16151.2
60°	12462.7	12886.6	13310.5	12812.5	12314.5	13505.0	14695.5	16425.1	18154.8	19271.7	18154.8
62.5°	12102.0	13260.3	14418.8	14362.6	14306.4	15396.9	16487.6	18133.3	19778.8	20811.2	19778.8
65°	11380.2	12467.4	13554.6	13769.7	13984.7	15370.7	16756.7	18352.4	19948.0	20827.1	19948.0
67.5°	10413.0	11447.0	12481.0	12582.0	12682.7	14126.8	15570.8	17173.3	18775.8	19464.4	18775.8
70°	9251.0	10375.7	11500.5	11545.6	11590.8	12882.1	14173.4	15552.5	16931.5	17314.3	16931.5
72.5°	7866.4	9156.9	10447.7	10480.2	10512.5	11522.8	12533.2	13566.1	14598.9	14637.6	14598.9
75°	6114.7	7450.5	8786.3	8906.2	9026.3	9812.2	10598.3	11325.4	12052.5	11857.7	12052.5
77.5°	4368.9	5615.8	6862.9	7034.5	7206.2	7803.7	8401.2	8916.9	9432.7	9097.8	9432.7
80°	2859.3	3908.4	4957.4	5170.8	5384.1	5835.4	6286.5	6557.3	6828.1	6289.5	6828.1
82.5°	1662.1	2379.3	3096.6	3334.9	3573.4	3883.9	4194.6	4307.6	4420.4	3997.1	4420.4
85°	731.3	1111.9	1492.6	1695.4	1898.0	2153.2	2408.4	2472.5	2536.7	2197.6	2536.7
87.5°	226.4	354.3	482.3	595.3	708.5	836.1	963.7	969.1	974.6	818.2	974.6
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°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	3028.9	3024.2	3014.7	3005.2	2989.3	2973.4	2962.1	2951.0	2928.3	2905.7	2881.6
5°	3383.8	3371.1	3350.1	3329.0	3290.1	3251.4	3212.2	3173.2	3123.2	3073.2	3023.2
7.5°	3725.4	3706.7	3672.3	3637.8	3580.6	3523.5	3460.0	3396.4	3313.8	3231.4	3155.2
10°	3951.3	3933.1	3892.6	3852.1	3784.9	3717.9	3642.7	3567.5	3463.2	3358.8	3258.1
12.5°	4025.2	4015.2	3985.8	3956.3	3895.8	3835.1	3753.8	3672.3	3557.7	3443.1	3328.9
15°	3944.3	3954.8	3953.7	3952.7	3914.6	3876.6	3806.3	3736.0	3616.5	3497.0	3373.2
17.5°	3743.8	3782.9	3825.5	3868.1	3867.5	3866.8	3819.3	3771.8	3650.6	3529.4	3394.3
20°	3487.6	3556.1	3650.3	3744.4	3794.4	3844.5	3827.9	3811.3	3685.4	3559.3	3410.8
22.5°	3243.8	3329.5	3468.0	3606.5	3710.1	3813.7	3835.4	3857.1	3728.4	3599.6	3433.1
25°	3038.1	3128.2	3296.4	3464.5	3621.8	3779.2	3847.6	3916.0	3789.9	3663.9	3473.6
27.5°	2873.2	2961.8	3148.2	3334.6	3542.9	3751.3	3873.7	3996.1	3875.8	3755.5	3536.8
30°	2755.6	2837.8	3032.0	3226.2	3482.6	3739.2	3921.5	4104.0	3987.8	3871.6	3618.6
32.5°	2721.9	2786.5	2968.9	3151.4	3441.5	3731.8	3981.5	4231.4	4116.3	4001.4	3703.9
35°	2901.5	2916.5	3043.2	3170.0	3472.3	3774.8	4080.4	4386.2	4276.1	4165.8	3801.3
37.5°	3430.2	3361.4	3369.6	3377.8	3652.6	3927.4	4287.2	4646.8	4506.4	4365.9	3910.3
40°	4305.4	4138.0	3993.8	3849.5	4053.9	4258.3	4649.5	5040.6	4836.0	4631.3	4048.6
42.5°	5485.0	5180.5	4865.9	4551.2	4669.0	4786.6	5174.8	5562.9	5267.5	4972.0	4229.7
45°	6915.2	6414.8	5910.7	5406.6	5458.5	5510.5	5859.2	6207.9	5809.3	5410.8	4467.9
47.5°	8501.8	7769.2	7042.2	6314.9	6325.5	6336.0	6675.3	7014.5	6453.5	5892.5	4721.6
50°	10078.6	9111.7	8174.6	7237.4	7235.6	7233.8	7652.6	8071.7	7226.0	6380.2	4957.0
52.5°	11603.3	10406.9	9287.4	8168.0	8219.4	8270.7	8777.9	9285.3	8037.4	6789.7	5109.9
55°	13092.8	11666.6	10420.8	9174.9	9374.9	9574.8	10076.1	10577.3	8756.9	6936.6	5076.2
57.5°	14535.8	12920.3	11662.3	10404.4	10805.3	11206.4	11479.5	11752.3	9266.7	6781.0	4839.1
60°	16425.1	14695.5	13505.0	12314.5	12812.5	13310.5	12886.6	12462.7	9394.1	6325.5	4397.8
62.5°	18133.3	16487.6	15396.9	14306.4	14362.6	14418.8	13260.3	12102.0	8857.6	5613.3	3801.1
65°	18352.4	16756.7	15370.7	13984.7	13769.7	13554.6	12467.4	11380.2	8098.5	4816.9	3192.3
67.5°	17173.3	15570.8	14126.8	12682.7	12582.0	12481.0	11447.0	10413.0	7195.2	3977.3	2595.8
70°	15552.5	14173.4	12882.1	11590.8	11545.6	11500.5	10375.7	9251.0	6209.4	3167.9	2043.8
72.5°	13566.1	12533.2	11522.8	10512.5	10480.2	10447.7	9156.9	7866.4	5140.9	2415.5	1562.5
75°	11325.4	10598.3	9812.2	9026.3	8906.2	8786.3	7450.5	6114.7	3915.9	1717.2	1134.1
77.5°	8916.9	8401.2	7803.7	7206.2	7034.5	6862.9	5615.8	4368.9	2740.8	1112.8	768.4
80°	6557.3	6286.5	5835.4	5384.1	5170.8	4957.4	3908.4	2859.3	1765.9	672.3	495.1
82.5°	4307.6	4194.6	3883.9	3573.4	3334.9	3096.6	2379.3	1662.1	1022.0	382.0	304.5
85°	2472.5	2408.4	2153.2	1898.0	1695.4	1492.6	1111.9	731.3	459.7	188.3	162.8
87.5°	969.1	963.7	836.1	708.5	595.3	482.3	354.3	226.4	150.6	74.7	67.5
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°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2857.6	2833.4	2809.1	2786.0	2762.8	2740.4	2715.4	2695.2	2675.1	2656.9	2638.8
5°	2973.4	2923.2	2873.1	2826.2	2779.4	2735.1	2691.4	2653.3	2615.1	2583.1	2551.2
7.5°	3078.9	3004.7	2930.5	2865.1	2799.7	2739.3	2682.8	2632.0	2581.4	2539.2	2497.2
10°	3157.4	3067.2	2977.0	2899.7	2822.2	2747.8	2687.0	2633.5	2580.0	2537.9	2495.8
12.5°	3214.8	3108.4	3002.0	2914.6	2827.1	2748.8	2692.3	2648.5	2604.8	2576.8	2549.1
15°	3249.4	3126.9	3004.4	2903.1	2801.8	2715.1	2669.8	2648.9	2628.0	2631.8	2635.6
17.5°	3259.2	3117.0	2974.9	2853.1	2731.2	2629.3	2601.4	2609.1	2616.7	2662.5	2708.5
20°	3262.4	3090.1	2917.9	2766.8	2615.8	2497.2	2489.8	2525.6	2561.4	2641.1	2721.0
22.5°	3266.6	3057.1	2847.4	2665.6	2483.8	2348.7	2363.1	2416.0	2469.0	2560.0	2651.2
25°	3283.2	3024.4	2765.7	2552.7	2339.8	2201.3	2240.2	2301.3	2362.4	2444.2	2526.1
27.5°	3317.9	3002.6	2687.2	2449.3	2211.4	2085.5	2132.8	2191.8	2250.8	2318.0	2385.2
30°	3365.6	2992.4	2619.0	2363.0	2107.0	2001.2	2038.4	2085.2	2132.1	2187.9	2243.7
32.5°	3406.6	2979.8	2552.7	2288.5	2024.4	1939.1	1955.6	1983.3	2010.9	2055.5	2100.2
35°	3436.7	2955.9	2475.4	2215.3	1955.4	1884.4	1877.5	1885.1	1892.8	1926.8	1960.6
37.5°	3454.7	2915.2	2375.7	2129.2	1882.7	1820.6	1795.6	1787.1	1778.7	1803.2	1827.5
40°	3465.9	2859.0	2252.3	2026.4	1800.6	1744.2	1705.8	1686.7	1667.7	1685.3	1702.9
42.5°	3487.3	2801.1	2115.2	1913.1	1710.9	1659.0	1610.6	1585.3	1560.0	1574.3	1588.7
45°	3524.9	2747.3	1969.9	1792.6	1615.3	1562.6	1515.8	1491.2	1466.6	1478.6	1490.9
47.5°	3550.7	2702.9	1855.1	1697.3	1539.4	1471.6	1431.2	1410.6	1389.9	1401.3	1412.6
50°	3533.8	2654.4	1775.1	1634.1	1492.9	1403.6	1356.8	1338.4	1320.2	1337.9	1355.8
52.5°	3430.1	2572.6	1715.3	1592.3	1469.4	1366.7	1301.2	1283.2	1265.2	1291.8	1318.4
55°	3215.8	2437.0	1658.2	1562.1	1466.0	1370.4	1271.8	1243.1	1214.6	1252.4	1290.2
57.5°	2897.3	2245.8	1594.2	1526.3	1458.4	1374.1	1254.1	1212.4	1170.8	1211.3	1252.0
60°	2470.1	1997.5	1524.9	1471.6	1418.2	1362.5	1237.5	1183.5	1129.3	1165.0	1200.6
62.5°	1988.9	1700.4	1411.8	1376.4	1341.0	1334.1	1218.1	1150.5	1083.0	1105.7	1128.3
65°	1567.7	1433.1	1298.4	1281.6	1264.8	1265.7	1177.2	1105.5	1033.5	1042.2	1050.8
67.5°	1214.3	1176.1	1137.8	1147.1	1156.4	1154.0	1104.3	1044.6	984.7	982.1	979.3
70°	919.8	930.7	941.6	984.9	1028.3	1028.3	1011.9	969.3	926.8	917.4	907.8
72.5°	709.5	742.5	775.5	837.0	898.4	908.8	909.0	879.8	850.6	836.7	822.9
75°	550.9	580.9	610.7	679.6	748.5	796.0	792.0	769.7	747.1	733.8	720.5
77.5°	424.1	444.4	464.9	531.8	598.6	677.1	675.0	656.9	639.0	625.5	612.0
80°	318.0	326.5	334.9	391.5	448.0	541.7	541.4	526.3	511.3	500.0	488.6
82.5°	227.2	228.7	230.4	272.1	313.8	393.8	398.2	390.8	383.5	375.5	367.5
85°	137.5	136.6	135.8	166.4	196.9	256.4	262.2	254.3	246.4	237.5	228.5
87.5°	60.3	59.4	58.7	71.1	83.7	108.4	115.8	112.6	109.5	107.8	106.2
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: P964687

CATALOG NUMBER: NAV-SB3C-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2622.9	2607.0	2591.0	2575.1	2562.8	2550.3	2540.4	2530.3	2522.5	2514.7	2507.6
5°	2522.9	2494.7	2469.1	2443.5	2423.7	2403.9	2390.2	2376.4	2366.6	2356.8	2349.3
7.5°	2461.6	2426.1	2394.7	2363.4	2340.0	2316.6	2300.1	2283.7	2272.4	2261.3	2254.6
10°	2457.5	2419.2	2383.9	2348.7	2320.7	2292.5	2274.3	2255.7	2245.1	2234.4	2228.8
12.5°	2518.9	2489.0	2452.5	2416.0	2380.3	2344.5	2320.8	2297.1	2285.2	2273.4	2268.5
15°	2627.8	2620.0	2588.3	2556.7	2505.7	2454.8	2418.7	2382.7	2366.2	2349.7	2343.5
17.5°	2733.0	2757.2	2731.6	2706.2	2638.7	2571.2	2518.1	2465.0	2440.6	2416.0	2408.0
20°	2772.0	2823.1	2811.3	2799.4	2722.2	2645.1	2580.0	2515.0	2483.8	2452.4	2442.4
22.5°	2717.7	2784.1	2791.3	2798.4	2724.7	2650.9	2583.9	2516.9	2483.9	2450.9	2439.8
25°	2591.5	2656.9	2681.3	2705.7	2645.2	2584.8	2525.3	2465.8	2437.2	2408.8	2398.3
27.5°	2437.7	2490.1	2517.3	2544.6	2501.5	2458.6	2412.3	2366.1	2346.9	2327.7	2322.9
30°	2287.2	2330.7	2352.9	2375.0	2342.2	2309.4	2276.3	2243.1	2233.3	2223.4	2223.4
32.5°	2141.8	2183.7	2208.3	2232.9	2202.7	2172.5	2146.0	2119.7	2113.2	2106.8	2107.7
35°	2001.9	2043.3	2072.8	2102.3	2080.9	2059.4	2035.0	2010.6	2000.9	1991.2	1989.1
37.5°	1868.7	1909.9	1946.4	1982.8	1972.9	1963.0	1940.5	1918.0	1900.2	1882.5	1873.2
40°	1742.7	1782.5	1824.4	1866.4	1868.9	1871.1	1852.1	1833.0	1807.2	1781.4	1763.9
42.5°	1626.5	1664.3	1709.5	1754.8	1766.9	1779.0	1762.9	1746.9	1714.8	1682.6	1657.3
45°	1526.6	1562.4	1609.4	1656.3	1673.7	1691.1	1676.6	1662.1	1625.3	1588.7	1558.9
47.5°	1447.6	1482.6	1528.9	1575.2	1595.3	1615.3	1605.1	1595.1	1562.4	1529.8	1502.2
50°	1388.8	1421.8	1463.2	1504.7	1530.4	1556.2	1555.4	1555.0	1528.9	1502.9	1477.3
52.5°	1348.7	1378.9	1417.6	1456.3	1486.8	1517.1	1522.6	1528.1	1506.9	1485.5	1462.7
55°	1322.8	1355.4	1389.3	1423.1	1455.3	1487.7	1495.3	1502.9	1484.3	1465.7	1445.8
57.5°	1290.4	1328.7	1362.1	1395.7	1428.2	1460.7	1468.4	1476.1	1457.3	1438.6	1418.8
60°	1244.7	1288.6	1322.7	1356.8	1389.4	1422.1	1430.5	1438.9	1420.5	1402.4	1381.9
62.5°	1179.6	1230.9	1267.3	1303.6	1333.5	1363.5	1371.6	1379.6	1363.0	1346.5	1325.1
65°	1105.9	1160.9	1195.7	1230.4	1256.8	1283.1	1291.4	1299.6	1283.7	1267.8	1246.9
67.5°	1030.0	1080.9	1113.9	1146.7	1169.4	1192.2	1200.3	1208.3	1193.7	1179.2	1159.8
70°	952.5	997.2	1025.6	1054.0	1074.6	1095.1	1102.9	1110.7	1098.8	1086.9	1068.4
72.5°	858.1	893.2	918.8	944.5	964.6	984.7	994.0	1003.3	993.4	983.5	965.8
75°	746.6	772.6	795.9	819.2	837.5	855.9	865.5	875.2	870.4	865.5	850.7
77.5°	633.2	654.5	674.4	694.4	713.7	732.9	741.9	751.0	744.3	737.3	722.3
80°	506.2	523.9	540.7	557.6	572.2	586.7	598.7	610.7	607.8	605.0	584.9
82.5°	366.0	364.6	358.6	352.7	384.0	415.1	435.5	455.9	454.7	453.4	436.3
85°	220.9	213.2	196.9	180.6	209.7	239.0	264.3	289.6	287.5	285.4	272.1
87.5°	105.8	105.5	93.1	80.6	92.8	105.1	115.3	125.6	123.0	120.2	113.5
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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CATALOG NUMBER: NAV-SB3C-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2500.3	2491.4	2500.3	2507.6	2514.7	2522.5	2530.3	2540.4	2550.3	2562.8	2575.1
5°	2341.8	2334.4	2341.8	2349.3	2356.8	2366.6	2376.4	2390.2	2403.9	2423.7	2443.5
7.5°	2247.9	2242.9	2247.9	2254.6	2261.3	2272.4	2283.7	2300.1	2316.6	2340.0	2363.4
10°	2223.0	2220.8	2223.0	2228.8	2234.4	2245.1	2255.7	2274.3	2292.5	2320.7	2348.7
12.5°	2263.7	2262.9	2263.7	2268.5	2273.4	2285.2	2297.1	2320.8	2344.5	2380.3	2416.0
15°	2337.1	2336.6	2337.1	2343.5	2349.7	2366.2	2382.7	2418.7	2454.8	2505.7	2556.7
17.5°	2399.9	2398.7	2399.9	2408.0	2416.0	2440.6	2465.0	2518.1	2571.2	2638.7	2706.2
20°	2432.4	2429.2	2432.4	2442.4	2452.4	2483.8	2515.0	2580.0	2645.1	2722.2	2799.4
22.5°	2428.7	2424.0	2428.7	2439.8	2450.9	2483.9	2516.9	2583.9	2650.9	2724.7	2798.4
25°	2387.9	2381.9	2387.9	2398.3	2408.8	2437.2	2465.8	2525.3	2584.8	2645.2	2705.7
27.5°	2318.1	2316.6	2318.1	2322.9	2327.7	2346.9	2366.1	2412.3	2458.6	2501.5	2544.6
30°	2223.4	2225.0	2223.4	2223.4	2223.4	2233.3	2243.1	2276.3	2309.4	2342.2	2375.0
32.5°	2108.6	2110.2	2108.6	2107.7	2106.8	2113.2	2119.7	2146.0	2172.5	2202.7	2232.9
35°	1987.0	1985.9	1987.0	1989.1	1991.2	2000.9	2010.6	2035.0	2059.4	2080.9	2102.3
37.5°	1863.8	1858.5	1863.8	1873.2	1882.5	1900.2	1918.0	1940.5	1963.0	1972.9	1982.8
40°	1746.7	1736.4	1746.7	1763.9	1781.4	1807.2	1833.0	1852.1	1871.1	1868.9	1866.4
42.5°	1631.9	1615.3	1631.9	1657.3	1682.6	1714.8	1746.9	1762.9	1779.0	1766.9	1754.8
45°	1529.2	1510.0	1529.2	1558.9	1588.7	1625.3	1662.1	1676.6	1691.1	1673.7	1656.3
47.5°	1474.7	1456.3	1474.7	1502.2	1529.8	1562.4	1595.1	1605.1	1615.3	1595.3	1575.2
50°	1451.8	1434.2	1451.8	1477.3	1502.9	1528.9	1555.0	1555.4	1556.2	1530.4	1504.7
52.5°	1439.9	1423.6	1439.9	1462.7	1485.5	1506.9	1528.1	1522.6	1517.1	1486.8	1456.3
55°	1425.8	1411.0	1425.8	1445.8	1465.7	1484.3	1502.9	1495.3	1487.7	1455.3	1423.1
57.5°	1398.9	1383.6	1398.9	1418.8	1438.6	1457.3	1476.1	1468.4	1460.7	1428.2	1395.7
60°	1361.5	1345.7	1361.5	1381.9	1402.4	1420.5	1438.9	1430.5	1422.1	1389.4	1356.8
62.5°	1303.6	1284.6	1303.6	1325.1	1346.5	1363.0	1379.6	1371.6	1363.5	1333.5	1303.6
65°	1226.2	1209.9	1226.2	1246.9	1267.8	1283.7	1299.6	1291.4	1283.1	1256.8	1230.4
67.5°	1140.4	1125.7	1140.4	1159.8	1179.2	1193.7	1208.3	1200.3	1192.2	1169.4	1146.7
70°	1049.8	1033.0	1049.8	1068.4	1086.9	1098.8	1110.7	1102.9	1095.1	1074.6	1054.0
72.5°	948.2	931.9	948.2	965.8	983.5	993.4	1003.3	994.0	984.7	964.6	944.5
75°	835.9	820.3	835.9	850.7	865.5	870.4	875.2	865.5	855.9	837.5	819.2
77.5°	707.4	694.9	707.4	722.3	737.3	744.3	751.0	741.9	732.9	713.7	694.4
80°	564.6	541.2	564.6	584.9	605.0	607.8	610.7	598.7	586.7	572.2	557.6
82.5°	419.3	404.4	419.3	436.3	453.4	454.7	455.9	435.5	415.1	384.0	352.7
85°	258.8	245.4	258.8	272.1	285.4	287.5	289.6	264.3	239.0	209.7	180.6
87.5°	106.6	100.0	106.6	113.5	120.2	123.0	125.6	115.3	105.1	92.8	80.6
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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CATALOG NUMBER: NAV-SB3C-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2591.0	2607.0	2622.9	2638.8	2656.9	2675.1	2695.2	2715.4	2740.4	2762.8	2786.0
5°	2469.1	2494.7	2522.9	2551.2	2583.1	2615.1	2653.3	2691.4	2735.1	2779.4	2826.2
7.5°	2394.7	2426.1	2461.6	2497.2	2539.2	2581.4	2632.0	2682.8	2739.3	2799.7	2865.1
10°	2383.9	2419.2	2457.5	2495.8	2537.9	2580.0	2633.5	2687.0	2747.8	2822.2	2899.7
12.5°	2452.5	2489.0	2518.9	2549.1	2576.8	2604.8	2648.5	2692.3	2748.8	2827.1	2914.6
15°	2588.3	2620.0	2627.8	2635.6	2631.8	2628.0	2648.9	2669.8	2715.1	2801.8	2903.1
17.5°	2731.6	2757.2	2733.0	2708.5	2662.5	2616.7	2609.1	2601.4	2629.3	2731.2	2853.1
20°	2811.3	2823.1	2772.0	2721.0	2641.1	2561.4	2525.6	2489.8	2497.2	2615.8	2766.8
22.5°	2791.3	2784.1	2717.7	2651.2	2560.0	2469.0	2416.0	2363.1	2348.7	2483.8	2665.6
25°	2681.3	2656.9	2591.5	2526.1	2444.2	2362.4	2301.3	2240.2	2201.3	2339.8	2552.7
27.5°	2517.3	2490.1	2437.7	2385.2	2318.0	2250.8	2191.8	2132.8	2085.5	2211.4	2449.3
30°	2352.9	2330.7	2287.2	2243.7	2187.9	2132.1	2085.2	2038.4	2001.2	2107.0	2363.0
32.5°	2208.3	2183.7	2141.8	2100.2	2055.5	2010.9	1983.3	1955.6	1939.1	2024.4	2288.5
35°	2072.8	2043.3	2001.9	1960.6	1926.8	1892.8	1885.1	1877.5	1884.4	1955.4	2215.3
37.5°	1946.4	1909.9	1868.7	1827.5	1803.2	1778.7	1787.1	1795.6	1820.6	1882.7	2129.2
40°	1824.4	1782.5	1742.7	1702.9	1685.3	1667.7	1686.7	1705.8	1744.2	1800.6	2026.4
42.5°	1709.5	1664.3	1626.5	1588.7	1574.3	1560.0	1585.3	1610.6	1659.0	1710.9	1913.1
45°	1609.4	1562.4	1526.6	1490.9	1478.6	1466.6	1491.2	1515.8	1562.6	1615.3	1792.6
47.5°	1528.9	1482.6	1447.6	1412.6	1401.3	1389.9	1410.6	1431.2	1471.6	1539.4	1697.3
50°	1463.2	1421.8	1388.8	1355.8	1337.9	1320.2	1338.4	1356.8	1403.6	1492.9	1634.1
52.5°	1417.6	1378.9	1348.7	1318.4	1291.8	1265.2	1283.2	1301.2	1366.7	1469.4	1592.3
55°	1389.3	1355.4	1322.8	1290.2	1252.4	1214.6	1243.1	1271.8	1370.4	1466.0	1562.1
57.5°	1362.1	1328.7	1290.4	1252.0	1211.3	1170.8	1212.4	1254.1	1374.1	1458.4	1526.3
60°	1322.7	1288.6	1244.7	1200.6	1165.0	1129.3	1183.5	1237.5	1362.5	1418.2	1471.6
62.5°	1267.3	1230.9	1179.6	1128.3	1105.7	1083.0	1150.5	1218.1	1334.1	1341.0	1376.4
65°	1195.7	1160.9	1105.9	1050.8	1042.2	1033.5	1105.5	1177.2	1265.7	1264.8	1281.6
67.5°	1113.9	1080.9	1030.0	979.3	982.1	984.7	1044.6	1104.3	1154.0	1156.4	1147.1
70°	1025.6	997.2	952.5	907.8	917.4	926.8	969.3	1011.9	1028.3	1028.3	984.9
72.5°	918.8	893.2	858.1	822.9	836.7	850.6	879.8	909.0	908.8	898.4	837.0
75°	795.9	772.6	746.6	720.5	733.8	747.1	769.7	792.0	796.0	748.5	679.6
77.5°	674.4	654.5	633.2	612.0	625.5	639.0	656.9	675.0	677.1	598.6	531.8
80°	540.7	523.9	506.2	488.6	500.0	511.3	526.3	541.4	541.7	448.0	391.5
82.5°	358.6	364.6	366.0	367.5	375.5	383.5	390.8	398.2	393.8	313.8	272.1
85°	196.9	213.2	220.9	228.5	237.5	246.4	254.3	262.2	256.4	196.9	166.4
87.5°	93.1	105.5	105.8	106.2	107.8	109.5	112.6	115.8	108.4	83.7	71.1
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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CATALOG NUMBER: NAV-SB3C-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1	2744.1
2.5°	2809.1	2833.4	2857.6	2881.6	2905.7	2928.3	2951.0
5°	2873.1	2923.2	2973.4	3023.2	3073.2	3123.2	3173.2
7.5°	2930.5	3004.7	3078.9	3155.2	3231.4	3313.8	3396.4
10°	2977.0	3067.2	3157.4	3258.1	3358.8	3463.2	3567.5
12.5°	3002.0	3108.4	3214.8	3328.9	3443.1	3557.7	3672.3
15°	3004.4	3126.9	3249.4	3373.2	3497.0	3616.5	3736.0
17.5°	2974.9	3117.0	3259.2	3394.3	3529.4	3650.6	3771.8
20°	2917.9	3090.1	3262.4	3410.8	3559.3	3685.4	3811.3
22.5°	2847.4	3057.1	3266.6	3433.1	3599.6	3728.4	3857.1
25°	2765.7	3024.4	3283.2	3473.6	3663.9	3789.9	3916.0
27.5°	2687.2	3002.6	3317.9	3536.8	3755.5	3875.8	3996.1
30°	2619.0	2992.4	3365.6	3618.6	3871.6	3987.8	4104.0
32.5°	2552.7	2979.8	3406.6	3703.9	4001.4	4116.3	4231.4
35°	2475.4	2955.9	3436.7	3801.3	4165.8	4276.1	4386.2
37.5°	2375.7	2915.2	3454.7	3910.3	4365.9	4506.4	4646.8
40°	2252.3	2859.0	3465.9	4048.6	4631.3	4836.0	5040.6
42.5°	2115.2	2801.1	3487.3	4229.7	4972.0	5267.5	5562.9
45°	1969.9	2747.3	3524.9	4467.9	5410.8	5809.3	6207.9
47.5°	1855.1	2702.9	3550.7	4721.6	5892.5	6453.5	7014.5
50°	1775.1	2654.4	3533.8	4957.0	6380.2	7226.0	8071.7
52.5°	1715.3	2572.6	3430.1	5109.9	6789.7	8037.4	9285.3
55°	1658.2	2437.0	3215.8	5076.2	6936.6	8756.9	10577.3
57.5°	1594.2	2245.8	2897.3	4839.1	6781.0	9266.7	11752.3
60°	1524.9	1997.5	2470.1	4397.8	6325.5	9394.1	12462.7
62.5°	1411.8	1700.4	1988.9	3801.1	5613.3	8857.6	12102.0
65°	1298.4	1433.1	1567.7	3192.3	4816.9	8098.5	11380.2
67.5°	1137.8	1176.1	1214.3	2595.8	3977.3	7195.2	10413.0
70°	941.6	930.7	919.8	2043.8	3167.9	6209.4	9251.0
72.5°	775.5	742.5	709.5	1562.5	2415.5	5140.9	7866.4
75°	610.7	580.9	550.9	1134.1	1717.2	3915.9	6114.7
77.5°	464.9	444.4	424.1	768.4	1112.8	2740.8	4368.9
80°	334.9	326.5	318.0	495.1	672.3	1765.9	2859.3
82.5°	230.4	228.7	227.2	304.5	382.0	1022.0	1662.1
85°	135.8	136.6	137.5	162.8	188.3	459.7	731.3
87.5°	58.7	59.4	60.3	67.5	74.7	150.6	226.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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