

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: P969215

Luminaire Tested: **NAV-SB5D-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969215
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-SB5D-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43369.8 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

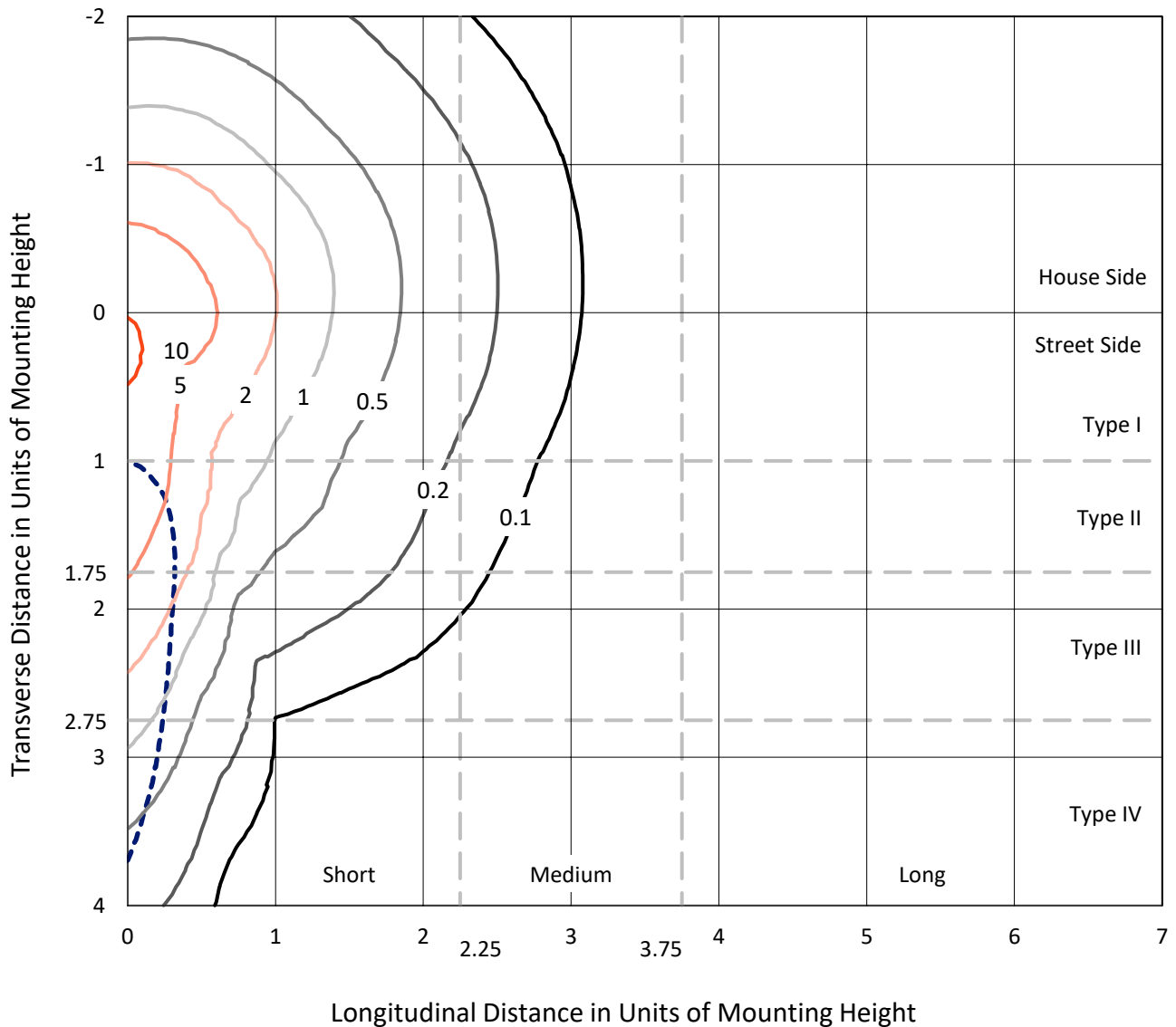
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

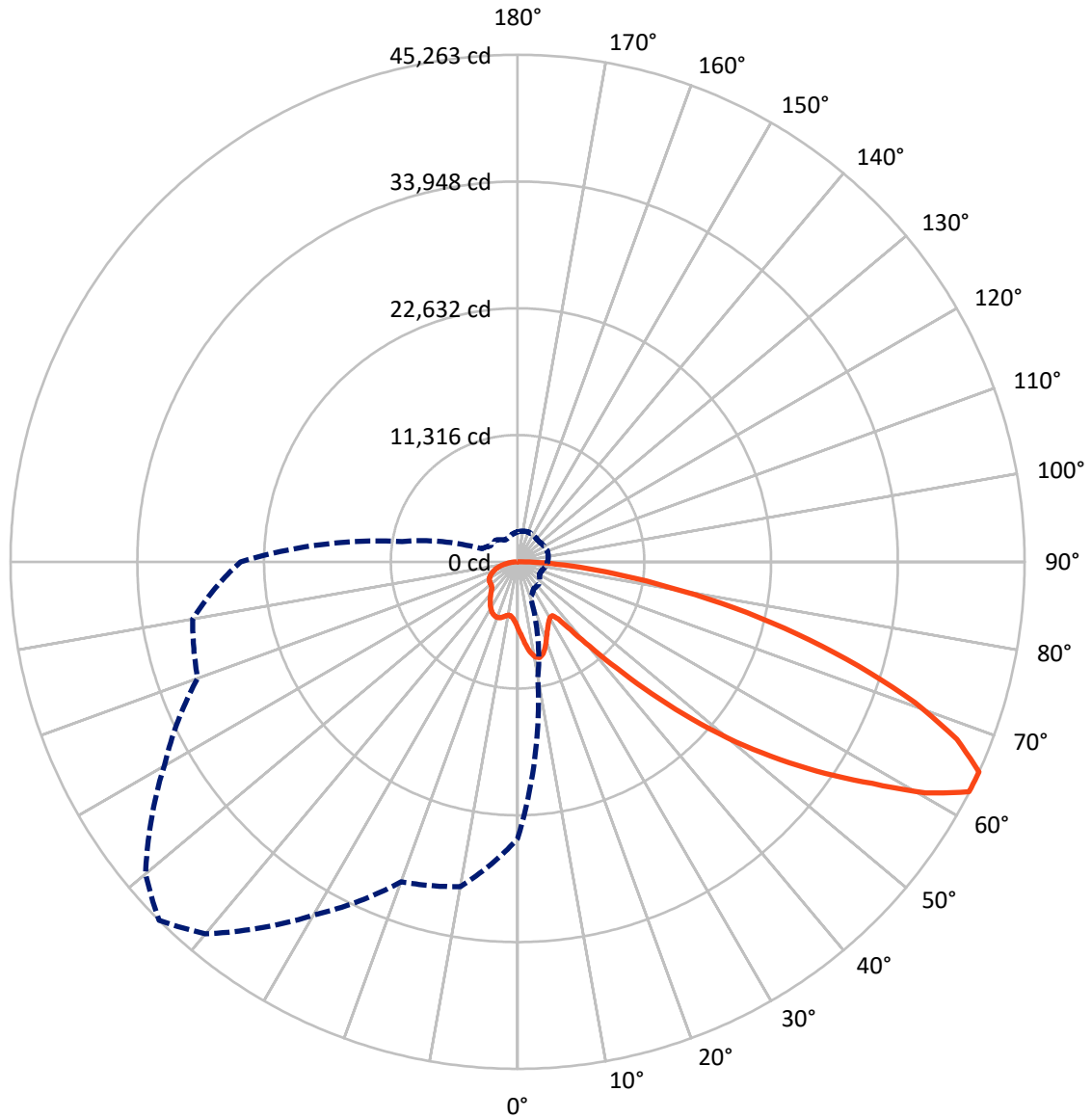
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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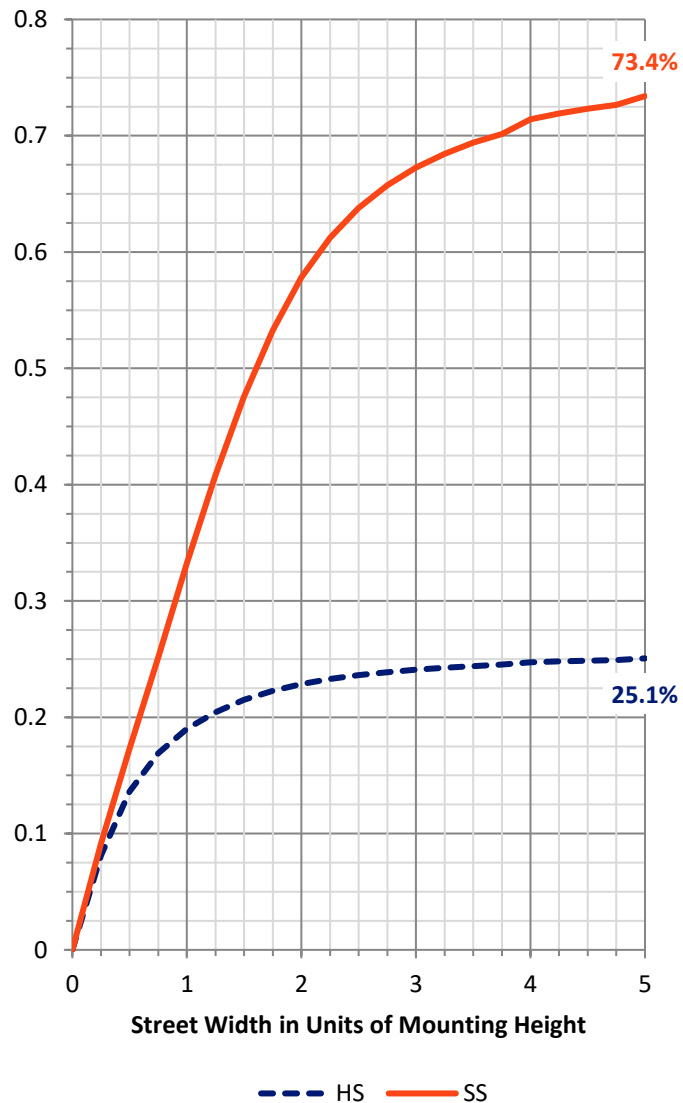
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11022.4	0.0	11022.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	32347.4	0.0	32347.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	43369.8	0.0	43369.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.6	1.4
10°-20°	1857.1	4.3
20°-30°	2868.6	6.6
30°-40°	3635.3	8.4
40°-50°	5482.9	12.6
50°-60°	8858.5	20.4
60°-70°	11043.5	25.5
70°-80°	7241.8	16.7
80°-90°	1790.4	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°	43369.8	100.0
0°-180°	43369.8	100.0

Coefficient of Utilization

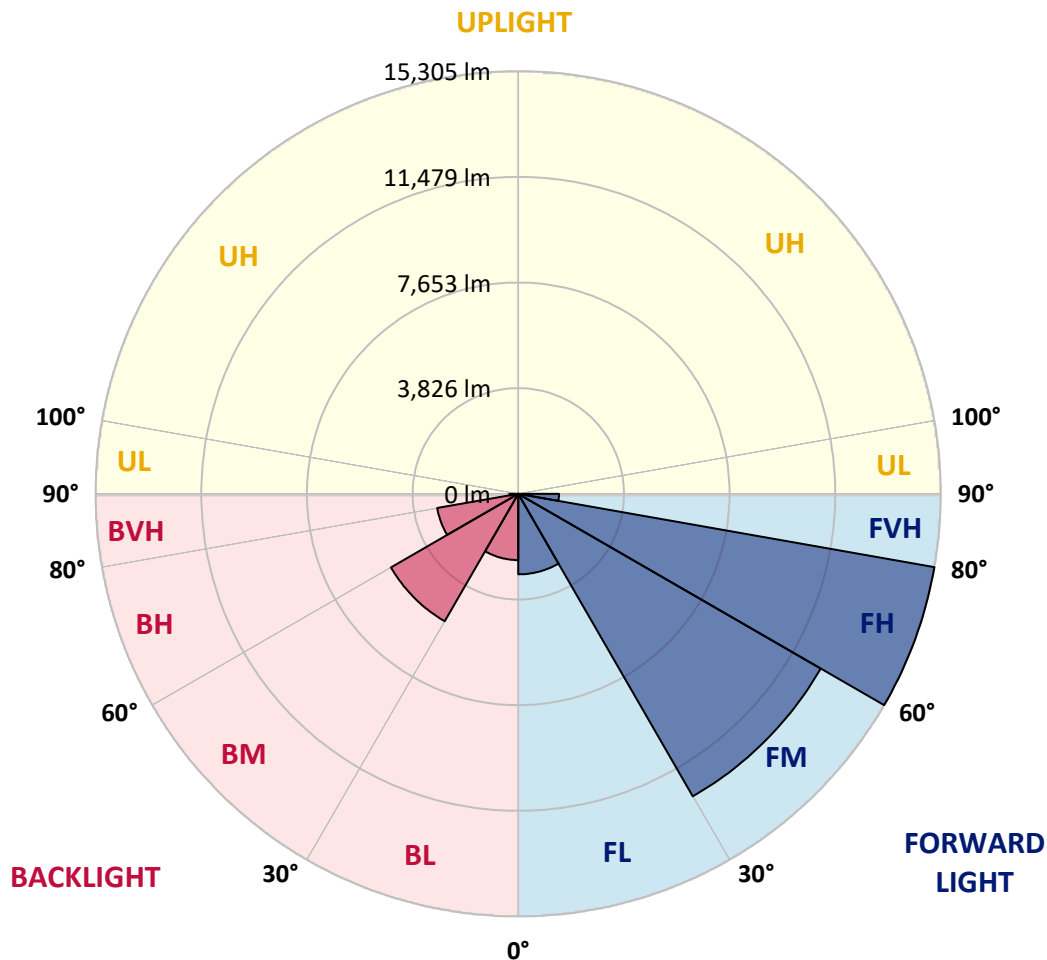


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2917.1	6.7			
FM (30°-60°)	12650.0	29.2			
FH (60°-80°)	15305.4	35.3			G5
FVH (80°-90°)	1474.9	3.4			G5
BL (0°-30°)	2400.3	5.5	B3/2500		
BM (30°-60°)	5326.7	12.3	B4/8500		
BH (60°-80°)	2979.9	6.9	B4/5000		G4/5000
BVH (80°-90°)	315.5	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	6413.4	6364.2	6315.0	6262.5	6210.4	6157.8	6105.1	6054.8	6004.4	5955.8	5901.4
5°	6896.3	6787.6	6678.9	6570.4	6462.1	6353.0	6244.1	6142.2	6040.4	5944.3	5849.3
7.5°	7381.4	7202.0	7022.8	6857.1	6691.4	6530.1	6368.7	6226.7	6084.5	5953.4	5830.5
10°	7753.3	7526.5	7299.7	7080.7	6862.0	6666.1	6469.9	6301.9	6133.5	5971.8	5839.7
12.5°	7981.0	7731.8	7482.8	7234.8	6986.7	6755.6	6524.4	6334.2	6144.1	5974.0	5851.1
15°	8119.4	7859.7	7600.0	7330.8	7061.7	6795.5	6529.5	6309.3	6089.1	5900.8	5802.4
17.5°	8197.2	7933.8	7670.5	7376.8	7083.3	6774.3	6465.4	6200.5	5935.8	5714.3	5653.6
20°	8283.0	8009.4	7735.5	7412.8	7090.1	6715.7	6341.4	6013.2	5685.0	5427.1	5411.1
22.5°	8382.7	8102.9	7823.1	7461.3	7099.3	6643.8	6188.4	5793.2	5398.1	5104.4	5135.8
25°	8510.8	8236.6	7962.7	7549.1	7135.4	6572.9	6010.6	5547.7	5084.9	4784.0	4868.6
27.5°	8684.7	8423.3	8161.8	7686.5	7211.0	6525.6	5840.1	5323.1	4806.2	4532.2	4635.3
30°	8919.2	8666.6	8414.2	7864.3	7314.4	6503.3	5691.8	5135.6	4579.2	4349.2	4429.9
32.5°	9196.2	8946.0	8696.1	8049.8	7403.6	6475.8	5547.7	4973.7	4399.6	4214.2	4250.2
35°	9532.6	9293.2	9053.6	8261.3	7469.1	6424.2	5379.7	4814.7	4249.6	4095.2	4080.3
37.5°	10098.9	9793.7	9488.4	8498.2	7508.0	6335.6	5163.2	4627.5	4091.8	3956.7	3902.3
40°	10954.9	10509.9	10065.1	8798.9	7532.4	6213.7	4895.0	4404.1	3913.2	3790.9	3707.3
42.5°	12089.9	11447.8	10805.7	9192.3	7579.0	6087.8	4597.0	4157.7	3718.3	3605.4	3500.2
45°	13491.6	12625.4	11759.2	9709.9	7660.6	5970.8	4281.2	3895.8	3510.5	3396.0	3294.2
47.5°	15244.5	14025.5	12806.2	10261.5	7716.7	5874.3	4031.8	3688.8	3345.7	3198.1	3110.5
50°	17542.2	15704.3	13866.2	10773.2	7680.0	5769.0	3857.9	3551.2	3244.5	3050.5	2948.7
52.5°	20179.6	17467.8	14756.0	11105.5	7454.6	5591.2	3727.9	3460.6	3193.6	2970.4	2828.1
55°	22987.6	19031.3	15075.2	11032.2	6989.0	5296.4	3603.9	3394.9	3186.0	2978.4	2764.0
57.5°	25541.5	20139.3	14737.2	10516.8	6296.7	4880.8	3464.7	3317.1	3169.5	2986.4	2725.6
60°	27085.0	20416.3	13747.2	9557.7	5368.2	4341.2	3314.1	3198.1	3082.1	2961.2	2689.4
62.5°	26301.3	19250.3	12199.3	8260.9	4322.4	3695.4	3068.3	2991.3	2914.4	2899.5	2647.3
65°	24732.5	17600.5	10468.5	6937.7	3407.1	3114.4	2821.6	2785.2	2748.8	2750.7	2558.5
67.5°	22630.6	15637.3	8643.9	5641.5	2639.1	2555.9	2472.7	2493.0	2513.2	2508.2	2400.1
70°	20105.3	13495.0	6884.8	4441.9	1999.0	2022.7	2046.3	2140.6	2234.7	2234.7	2199.2
72.5°	17096.0	11172.7	5249.7	3395.8	1542.0	1613.6	1685.4	1819.1	1952.5	1975.0	1975.4
75°	13289.1	8510.6	3732.0	2464.7	1197.3	1262.3	1327.3	1476.9	1626.7	1730.1	1721.4
77.5°	9494.8	5956.6	2418.5	1670.1	921.8	966.0	1010.3	1155.7	1301.0	1471.5	1466.9
80°	6214.3	3837.7	1461.1	1076.0	691.2	709.4	727.7	850.9	973.7	1177.4	1176.7
82.5°	3612.3	2221.2	830.2	661.8	493.8	497.0	500.7	591.3	681.9	855.9	865.5
85°	1589.4	999.2	409.2	353.8	298.7	297.0	295.2	361.6	427.9	557.2	569.8
87.5°	492.0	327.3	162.5	146.7	130.9	129.3	127.7	154.7	181.9	235.7	251.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	5857.6	5813.8	5774.2	5734.9	5700.3	5665.8	5630.9	5596.4	5569.6	5542.7	5520.9
5°	5766.4	5683.4	5613.8	5544.4	5483.1	5421.8	5366.2	5310.3	5267.6	5224.5	5194.6
7.5°	5720.2	5610.1	5518.6	5427.1	5350.0	5272.6	5204.4	5136.5	5085.4	5034.6	4998.9
10°	5723.4	5607.2	5515.6	5424.1	5341.1	5257.7	5181.1	5104.4	5043.5	4982.4	4942.7
12.5°	5755.9	5661.2	5600.3	5539.9	5474.4	5409.4	5330.0	5250.9	5173.1	5095.3	5043.7
15°	5756.8	5711.5	5719.8	5728.0	5711.1	5694.2	5625.3	5556.4	5445.6	5334.8	5256.6
17.5°	5670.3	5686.8	5786.6	5886.4	5939.5	5992.4	5936.7	5881.3	5734.7	5588.0	5472.6
20°	5488.9	5566.7	5739.9	5913.3	6024.3	6135.3	6109.7	6083.9	5916.1	5748.6	5607.2
22.5°	5250.9	5366.0	5563.7	5761.8	5906.3	6050.7	6066.3	6081.5	5921.4	5761.2	5615.7
25°	5001.4	5134.1	5312.0	5490.0	5632.2	5774.2	5827.3	5880.2	5748.8	5617.7	5488.2
27.5°	4763.4	4891.6	5037.8	5183.8	5297.8	5411.8	5470.8	5530.1	5436.5	5343.1	5242.7
30°	4531.6	4633.7	4755.0	4876.2	4970.7	5065.5	5113.5	5161.6	5090.5	5019.0	4947.2
32.5°	4310.3	4370.5	4467.3	4564.3	4654.9	4745.9	4799.2	4852.7	4787.3	4721.6	4664.1
35°	4096.8	4113.5	4187.4	4261.1	4350.8	4440.7	4504.9	4568.9	4522.2	4475.8	4422.7
37.5°	3883.9	3865.7	3918.8	3971.6	4061.0	4150.8	4230.0	4309.2	4287.7	4266.2	4217.4
40°	3665.9	3624.5	3662.6	3700.9	3787.4	3873.9	3965.0	4056.3	4061.6	4066.6	4025.2
42.5°	3445.2	3390.4	3421.4	3452.8	3534.7	3616.9	3715.3	3813.7	3840.1	3866.3	3831.3
45°	3240.6	3187.3	3213.5	3240.0	3317.8	3395.6	3497.7	3599.7	3637.5	3675.2	3643.7
47.5°	3065.6	3020.8	3045.5	3070.0	3146.1	3222.2	3322.8	3423.5	3467.1	3510.5	3488.5
50°	2908.8	2869.3	2907.7	2946.4	3018.2	3089.9	3180.1	3270.2	3326.0	3381.9	3380.6
52.5°	2788.7	2749.6	2807.5	2865.2	2931.1	2996.7	3080.7	3164.9	3231.1	3297.2	3309.1
55°	2701.8	2639.8	2721.9	2803.8	2874.7	2945.7	3019.3	3092.8	3162.8	3233.2	3249.7
57.5°	2635.0	2544.4	2632.6	2721.0	2804.3	2887.5	2960.3	3033.4	3104.1	3174.5	3191.2
60°	2572.0	2454.4	2532.0	2609.3	2705.0	2800.6	2874.5	2948.7	3019.6	3090.6	3108.8
62.5°	2500.4	2353.7	2402.9	2452.1	2563.5	2675.2	2754.2	2833.1	2898.1	2963.1	2980.7
65°	2402.4	2246.1	2265.1	2283.9	2403.3	2523.0	2598.6	2674.0	2731.3	2788.5	2806.6
67.5°	2270.2	2140.2	2134.3	2128.3	2238.6	2349.1	2420.7	2492.1	2541.6	2591.0	2608.6
70°	2106.8	2014.3	1993.7	1973.1	2070.1	2167.2	2229.0	2290.8	2335.4	2379.9	2397.0
72.5°	1912.0	1848.6	1818.5	1788.4	1864.9	1941.0	1996.9	2052.8	2096.4	2140.2	2160.3
75°	1672.6	1623.7	1594.8	1565.8	1622.5	1679.3	1729.9	1780.4	1820.2	1860.1	1881.1
77.5°	1427.7	1388.7	1359.4	1330.0	1376.3	1422.3	1465.7	1509.2	1551.1	1592.7	1612.4
80°	1144.0	1111.0	1086.6	1061.8	1100.3	1138.5	1175.2	1211.8	1243.5	1275.1	1301.2
82.5°	849.5	833.4	816.1	798.7	795.5	792.2	779.4	766.6	834.4	902.1	946.5
85°	552.7	535.5	516.1	496.6	480.1	463.4	427.9	392.5	455.8	519.5	574.4
87.5°	244.9	238.0	234.3	230.7	230.0	229.3	202.3	175.1	201.6	228.4	250.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	5499.1	5482.2	5465.3	5449.7	5433.9	5414.5	5433.9	5449.7	5465.3	5482.2	5499.1
5°	5164.6	5143.3	5122.0	5105.7	5089.5	5073.5	5089.5	5105.7	5122.0	5143.3	5164.6
7.5°	4963.3	4938.8	4914.5	4899.8	4885.4	4874.4	4885.4	4899.8	4914.5	4938.8	4963.3
10°	4902.4	4879.2	4856.1	4843.7	4831.4	4826.3	4831.4	4843.7	4856.1	4879.2	4902.4
12.5°	4992.3	4966.4	4940.8	4930.2	4919.7	4917.8	4919.7	4930.2	4940.8	4966.4	4992.3
15°	5178.3	5142.4	5106.7	5092.9	5079.2	5078.1	5079.2	5092.9	5106.7	5142.4	5178.3
17.5°	5357.3	5304.2	5250.9	5233.4	5215.8	5213.2	5215.8	5233.4	5250.9	5304.2	5357.3
20°	5466.0	5398.1	5329.8	5308.1	5286.3	5279.5	5286.3	5308.1	5329.8	5398.1	5466.0
22.5°	5469.9	5398.3	5326.4	5302.3	5278.3	5268.0	5278.3	5302.3	5326.4	5398.3	5469.9
25°	5359.1	5296.9	5234.9	5212.2	5189.8	5176.5	5189.8	5212.2	5234.9	5296.9	5359.1
27.5°	5142.1	5100.5	5058.7	5048.3	5038.1	5034.6	5038.1	5048.3	5058.7	5100.5	5142.1
30°	4874.9	4853.6	4832.1	4832.1	4832.1	4835.5	4832.1	4832.1	4832.1	4853.6	4874.9
32.5°	4606.7	4592.7	4578.8	4580.6	4582.7	4586.1	4582.7	4580.6	4578.8	4592.7	4606.7
35°	4369.8	4348.6	4327.4	4322.9	4318.3	4316.1	4318.3	4322.9	4327.4	4348.6	4369.8
37.5°	4168.5	4129.7	4091.3	4070.9	4050.6	4039.1	4050.6	4070.9	4091.3	4129.7	4168.5
40°	3983.8	3927.5	3871.6	3833.6	3796.1	3773.6	3796.1	3833.6	3871.6	3927.5	3983.8
42.5°	3796.6	3726.8	3657.0	3601.8	3546.6	3510.5	3546.6	3601.8	3657.0	3726.8	3796.6
45°	3612.3	3532.5	3452.8	3388.0	3323.3	3281.6	3323.3	3388.0	3452.8	3532.5	3612.3
47.5°	3466.6	3395.6	3324.7	3264.7	3205.0	3164.9	3205.0	3264.7	3324.7	3395.6	3466.6
50°	3379.6	3322.8	3266.1	3210.7	3155.4	3116.9	3155.4	3210.7	3266.1	3322.8	3379.6
52.5°	3321.0	3274.8	3228.5	3178.9	3129.4	3094.0	3129.4	3178.9	3228.5	3274.8	3321.0
55°	3266.1	3225.8	3185.5	3142.0	3098.6	3066.5	3098.6	3142.0	3185.5	3225.8	3266.1
57.5°	3207.9	3167.2	3126.5	3083.5	3040.3	3007.0	3040.3	3083.5	3126.5	3167.2	3207.9
60°	3127.2	3087.4	3047.7	3003.4	2959.0	2924.6	2959.0	3003.4	3047.7	3087.4	3127.2
62.5°	2998.3	2962.5	2926.5	2879.8	2833.1	2791.9	2833.1	2879.8	2926.5	2962.5	2998.3
65°	2824.4	2789.8	2755.3	2710.0	2664.9	2629.4	2664.9	2710.0	2755.3	2789.8	2824.4
67.5°	2626.0	2594.2	2562.6	2520.5	2478.4	2446.4	2478.4	2520.5	2562.6	2594.2	2626.0
70°	2413.9	2388.0	2362.1	2321.8	2281.5	2245.0	2281.5	2321.8	2362.1	2388.0	2413.9
72.5°	2180.5	2159.0	2137.4	2099.0	2060.8	2025.3	2060.8	2099.0	2137.4	2159.0	2180.5
75°	1902.2	1891.6	1881.1	1848.9	1816.6	1782.7	1816.6	1848.9	1881.1	1891.6	1902.2
77.5°	1632.1	1617.4	1602.4	1569.9	1537.4	1510.3	1537.4	1569.9	1602.4	1617.4	1632.1
80°	1327.3	1320.9	1314.8	1271.0	1227.0	1176.3	1227.0	1271.0	1314.8	1320.9	1327.3
82.5°	990.9	988.2	985.2	948.3	911.2	878.7	911.2	948.3	985.2	988.2	990.9
85°	629.3	624.7	620.1	591.3	562.5	533.2	562.5	591.3	620.1	624.7	629.3
87.5°	272.8	267.3	261.4	246.7	231.5	217.4	231.5	246.7	261.4	267.3	272.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969215
 CATALOG NUMBER: NAV-SB5D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	5520.9	5542.7	5569.6	5596.4	5630.9	5665.8	5700.3	5734.9	5774.2	5813.8	5857.6
5°	5194.6	5224.5	5267.6	5310.3	5366.2	5421.8	5483.1	5544.4	5613.8	5683.4	5766.4
7.5°	4998.9	5034.6	5085.4	5136.5	5204.4	5272.6	5350.0	5427.1	5518.6	5610.1	5720.2
10°	4942.7	4982.4	5043.5	5104.4	5181.1	5257.7	5341.1	5424.1	5515.6	5607.2	5723.4
12.5°	5043.7	5095.3	5173.1	5250.9	5330.0	5409.4	5474.4	5539.9	5600.3	5661.2	5755.9
15°	5256.6	5334.8	5445.6	5556.4	5625.3	5694.2	5711.1	5728.0	5719.8	5711.5	5756.8
17.5°	5472.6	5588.0	5734.7	5881.3	5936.7	5992.4	5939.5	5886.4	5786.6	5686.8	5670.3
20°	5607.2	5748.6	5916.1	6083.9	6109.7	6135.3	6024.3	5913.3	5739.9	5566.7	5488.9
22.5°	5615.7	5761.2	5921.4	6081.5	6066.3	6050.7	5906.3	5761.8	5563.7	5366.0	5250.9
25°	5488.2	5617.7	5748.8	5880.2	5827.3	5774.2	5632.2	5490.0	5312.0	5134.1	5001.4
27.5°	5242.7	5343.1	5436.5	5530.1	5470.8	5411.8	5297.8	5183.8	5037.8	4891.6	4763.4
30°	4947.2	5019.0	5090.5	5161.6	5113.5	5065.5	4970.7	4876.2	4755.0	4633.7	4531.6
32.5°	4664.1	4721.6	4787.3	4852.7	4799.2	4745.9	4654.9	4564.3	4467.3	4370.5	4310.3
35°	4422.7	4475.8	4522.2	4568.9	4504.9	4440.7	4350.8	4261.1	4187.4	4113.5	4096.8
37.5°	4217.4	4266.2	4287.7	4309.2	4230.0	4150.8	4061.0	3971.6	3918.8	3865.7	3883.9
40°	4025.2	4066.6	4061.6	4056.3	3965.0	3873.9	3787.4	3700.9	3662.6	3624.5	3665.9
42.5°	3831.3	3866.3	3840.1	3813.7	3715.3	3616.9	3534.7	3452.8	3421.4	3390.4	3445.2
45°	3643.7	3675.2	3637.5	3599.7	3497.7	3395.6	3317.8	3240.0	3213.5	3187.3	3240.6
47.5°	3488.5	3510.5	3467.1	3423.5	3322.8	3222.2	3146.1	3070.0	3045.5	3020.8	3065.6
50°	3380.6	3381.9	3326.0	3270.2	3180.1	3089.9	3018.2	2946.4	2907.7	2869.3	2908.8
52.5°	3309.1	3297.2	3231.1	3164.9	3080.7	2996.7	2931.1	2865.2	2807.5	2749.6	2788.7
55°	3249.7	3233.2	3162.8	3092.8	3019.3	2945.7	2874.7	2803.8	2721.9	2639.8	2701.8
57.5°	3191.2	3174.5	3104.1	3033.4	2960.3	2887.5	2804.3	2721.0	2632.6	2544.4	2635.0
60°	3108.8	3090.6	3019.6	2948.7	2874.5	2800.6	2705.0	2609.3	2532.0	2454.4	2572.0
62.5°	2980.7	2963.1	2898.1	2833.1	2754.2	2675.2	2563.5	2452.1	2402.9	2353.7	2500.4
65°	2806.6	2788.5	2731.3	2674.0	2598.6	2523.0	2403.3	2283.9	2265.1	2246.1	2402.4
67.5°	2608.6	2591.0	2541.6	2492.1	2420.7	2349.1	2238.6	2128.3	2134.3	2140.2	2270.2
70°	2397.0	2379.9	2335.4	2290.8	2229.0	2167.2	2070.1	1973.1	1993.7	2014.3	2106.8
72.5°	2160.3	2140.2	2096.4	2052.8	1996.9	1941.0	1864.9	1788.4	1818.5	1848.6	1912.0
75°	1881.1	1860.1	1820.2	1780.4	1729.9	1679.3	1622.5	1565.8	1594.8	1623.7	1672.6
77.5°	1612.4	1592.7	1551.1	1509.2	1465.7	1422.3	1376.3	1330.0	1359.4	1388.7	1427.7
80°	1301.2	1275.1	1243.5	1211.8	1175.2	1138.5	1100.3	1061.8	1086.6	1111.0	1144.0
82.5°	946.5	902.1	834.4	766.6	779.4	792.2	795.5	798.7	816.1	833.4	849.5
85°	574.4	519.5	455.8	392.5	427.9	463.4	480.1	496.6	516.1	535.5	552.7
87.5°	250.6	228.4	201.6	175.1	202.3	229.3	230.0	230.7	234.3	238.0	244.9
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: P969215
 CATALOG NUMBER: NAV-SB5D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	5901.4	5955.8	6004.4	6054.8	6105.1	6157.8	6210.4	6262.5	6315.0	6364.2	6413.4
5°	5849.3	5944.3	6040.4	6142.2	6244.1	6353.0	6462.1	6570.4	6678.9	6787.6	6896.3
7.5°	5830.5	5953.4	6084.5	6226.7	6368.7	6530.1	6691.4	6857.1	7022.8	7202.0	7381.4
10°	5839.7	5971.8	6133.5	6301.9	6469.9	6666.1	6862.0	7080.7	7299.7	7526.5	7753.3
12.5°	5851.1	5974.0	6144.1	6334.2	6524.4	6755.6	6986.7	7234.8	7482.8	7731.8	7981.0
15°	5802.4	5900.8	6089.1	6309.3	6529.5	6795.5	7061.7	7330.8	7600.0	7859.7	8119.4
17.5°	5653.6	5714.3	5935.8	6200.5	6465.4	6774.3	7083.3	7376.8	7670.5	7933.8	8197.2
20°	5411.1	5427.1	5685.0	6013.2	6341.4	6715.7	7090.1	7412.8	7735.5	8009.4	8283.0
22.5°	5135.8	5104.4	5398.1	5793.2	6188.4	6643.8	7099.3	7461.3	7823.1	8102.9	8382.7
25°	4868.6	4784.0	5084.9	5547.7	6010.6	6572.9	7135.4	7549.1	7962.7	8236.6	8510.8
27.5°	4635.3	4532.2	4806.2	5323.1	5840.1	6525.6	7211.0	7686.5	8161.8	8423.3	8684.7
30°	4429.9	4349.2	4579.2	5135.6	5691.8	6503.3	7314.4	7864.3	8414.2	8666.6	8919.2
32.5°	4250.2	4214.2	4399.6	4973.7	5547.7	6475.8	7403.6	8049.8	8696.1	8946.0	9196.2
35°	4080.3	4095.2	4249.6	4814.7	5379.7	6424.2	7469.1	8261.3	9053.6	9293.2	9532.6
37.5°	3902.3	3956.7	4091.8	4627.5	5163.2	6335.6	7508.0	8498.2	9488.4	9793.7	10098.9
40°	3707.3	3790.9	3913.2	4404.1	4895.0	6213.7	7532.4	8798.9	10065.1	10509.9	10954.9
42.5°	3500.2	3605.4	3718.3	4157.7	4597.0	6087.8	7579.0	9192.3	10805.7	11447.8	12089.9
45°	3294.2	3396.0	3510.5	3895.8	4281.2	5970.8	7660.6	9709.9	11759.2	12625.4	13491.6
47.5°	3110.5	3198.1	3345.7	3688.8	4031.8	5874.3	7716.7	10261.5	12806.2	14025.5	15244.5
50°	2948.7	3050.5	3244.5	3551.2	3857.9	5769.0	7680.0	10773.2	13866.2	15704.3	17542.2
52.5°	2828.1	2970.4	3193.6	3460.6	3727.9	5591.2	7454.6	11105.5	14756.0	17467.8	20179.6
55°	2764.0	2978.4	3186.0	3394.9	3603.9	5296.4	6989.0	11032.2	15075.2	19031.3	22987.6
57.5°	2725.6	2986.4	3169.5	3317.1	3464.7	4880.8	6296.7	10516.8	14737.2	20139.3	25541.5
60°	2689.4	2961.2	3082.1	3198.1	3314.1	4341.2	5368.2	9557.7	13747.2	20416.3	27085.0
62.5°	2647.3	2899.5	2914.4	2991.3	3068.3	3695.4	4322.4	8260.9	12199.3	19250.3	26301.3
65°	2558.5	2750.7	2748.8	2785.2	2821.6	3114.4	3407.1	6937.7	10468.5	17600.5	24732.5
67.5°	2400.1	2508.2	2513.2	2493.0	2472.7	2555.9	2639.1	5641.5	8643.9	15637.3	22630.6
70°	2199.2	2234.7	2234.7	2140.6	2046.3	2022.7	1999.0	4441.9	6884.8	13495.0	20105.3
72.5°	1975.4	1975.0	1952.5	1819.1	1685.4	1613.6	1542.0	3395.8	5249.7	11172.7	17096.0
75°	1721.4	1730.1	1626.7	1476.9	1327.3	1262.3	1197.3	2464.7	3732.0	8510.6	13289.1
77.5°	1466.9	1471.5	1301.0	1155.7	1010.3	966.0	921.8	1670.1	2418.5	5956.6	9494.8
80°	1176.7	1177.4	973.7	850.9	727.7	709.4	691.2	1076.0	1461.1	3837.7	6214.3
82.5°	865.5	855.9	681.9	591.3	500.7	497.0	493.8	661.8	830.2	2221.2	3612.3
85°	569.8	557.2	427.9	361.6	295.2	297.0	298.7	353.8	409.2	999.2	1589.4
87.5°	251.7	235.7	181.9	154.7	127.7	129.3	130.9	146.7	162.5	327.3	492.0
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: P969215
 CATALOG NUMBER: NAV-SB5D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	6437.6	6462.1	6496.7	6531.3	6551.9	6572.4	6582.8	6593.0	6588.5	6593.0	6582.8
5°	6981.2	7066.4	7150.5	7235.0	7280.7	7326.5	7354.2	7382.2	7403.2	7382.2	7354.2
7.5°	7519.6	7657.7	7781.9	7906.1	7981.0	8055.8	8096.4	8136.7	8156.0	8136.7	8096.4
10°	7916.7	8080.1	8225.8	8371.7	8459.9	8547.9	8587.2	8626.3	8641.3	8626.3	8587.2
12.5°	8158.1	8335.0	8466.8	8598.2	8662.3	8726.3	8747.9	8769.4	8771.6	8769.4	8747.9
15°	8272.4	8425.0	8507.6	8590.4	8592.7	8595.0	8572.1	8549.2	8522.3	8549.2	8572.1
17.5°	8300.4	8403.7	8405.3	8406.6	8314.0	8221.3	8136.3	8051.3	7991.3	8051.3	8136.3
20°	8319.0	8355.2	8246.4	8137.8	7933.2	7728.6	7579.6	7430.6	7339.1	7430.6	7579.6
22.5°	8335.5	8288.4	8063.2	7838.0	7537.0	7236.1	7049.8	6863.5	6762.4	6863.5	7049.8
25°	8362.1	8213.3	7871.4	7529.4	7164.0	6798.5	6602.6	6407.3	6311.5	6407.3	6602.6
27.5°	8418.7	8152.6	7699.7	7247.1	6842.1	6437.0	6244.3	6051.8	5961.4	6051.8	6244.3
30°	8522.7	8126.3	7568.8	7011.4	6589.4	6167.4	5988.7	5809.9	5725.8	5809.9	5988.7
32.5°	8653.2	8110.3	7479.6	6848.9	6452.3	6055.7	5915.5	5775.0	5714.3	5775.0	5915.5
35°	8868.0	8203.7	7546.5	6889.4	6613.9	6338.6	6305.8	6273.1	6268.1	6273.1	6305.8
37.5°	9317.2	8535.5	7938.2	7340.9	7323.1	7305.2	7454.9	7604.6	7682.4	7604.6	7454.9
40°	10104.7	9254.5	8810.3	8366.2	8679.7	8993.1	9357.0	9720.9	9902.1	9720.9	9357.0
42.5°	11246.4	10402.8	10147.0	9891.1	10574.9	11258.8	11920.5	12582.4	12971.0	12582.4	11920.5
45°	12733.9	11976.0	11863.1	11750.1	12845.6	13941.3	15028.8	16116.5	16776.7	16116.5	15028.8
47.5°	14507.4	13770.2	13747.2	13724.3	15304.8	16884.7	18476.8	20068.7	21003.5	20068.7	18476.8
50°	16631.5	15721.2	15725.1	15729.0	17765.7	19802.5	21903.9	24005.5	25276.0	24005.5	21903.9
52.5°	19077.0	17974.7	17863.3	17751.6	20184.4	22617.2	25217.5	27817.4	29340.3	27817.4	25217.5
55°	21898.2	20808.9	20374.3	19939.8	22647.5	25355.0	28454.7	31554.4	33365.7	31554.4	28454.7
57.5°	24948.3	24354.9	23483.3	22611.8	25345.8	28079.9	31590.8	35101.5	37347.6	35101.5	31590.8
60°	28006.4	28928.0	27845.5	26763.1	29350.4	31937.7	35696.8	39455.7	41883.3	39455.7	35696.8
62.5°	28818.8	31336.3	31214.3	31092.1	33462.3	35832.7	39409.1	42985.2	45229.0	42985.2	39409.1
65°	27095.4	29458.2	29925.7	30393.0	33405.1	36417.3	39885.3	43353.0	45263.4	43353.0	39885.3
67.5°	24877.8	27125.1	27344.3	27563.4	30701.7	33839.9	37322.7	40805.5	42302.2	40805.5	37322.7
70°	22549.6	24994.1	25092.0	25190.2	27996.7	30803.1	33800.3	36797.3	37629.1	36797.3	33800.3
72.5°	19900.9	22706.1	22776.5	22846.8	25042.6	27238.4	29483.1	31727.6	31811.9	31727.6	29483.1
75°	16192.2	19095.3	19356.0	19616.7	21325.0	23033.3	24613.5	26193.7	25770.3	26193.7	24613.5
77.5°	12204.8	14915.0	15288.1	15661.1	16959.8	18258.4	19379.2	20500.0	19772.2	20500.0	19379.2
80°	8494.3	10774.1	11237.7	11701.3	12682.2	13662.5	14251.2	14839.5	13669.0	14839.5	14251.2
82.5°	5171.0	6729.9	7247.8	7765.9	8441.0	9116.0	9361.6	9606.9	8687.0	9606.9	9361.6
85°	2416.6	3243.9	3684.5	4124.9	4679.6	5234.2	5373.6	5512.9	4776.0	5512.9	5373.6
87.5°	770.1	1048.1	1293.9	1539.7	1817.0	2094.4	2106.3	2118.0	1778.2	2118.0	2106.3
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: P969215
 CATALOG NUMBER: NAV-SB5D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8	5963.8
2.5°	6572.4	6551.9	6531.3	6496.7	6462.1	6437.6	6413.4
5°	7326.5	7280.7	7235.0	7150.5	7066.4	6981.2	6896.3
7.5°	8055.8	7981.0	7906.1	7781.9	7657.7	7519.6	7381.4
10°	8547.9	8459.9	8371.7	8225.8	8080.1	7916.7	7753.3
12.5°	8726.3	8662.3	8598.2	8466.8	8335.0	8158.1	7981.0
15°	8595.0	8592.7	8590.4	8507.6	8425.0	8272.4	8119.4
17.5°	8221.3	8314.0	8406.6	8405.3	8403.7	8300.4	8197.2
20°	7728.6	7933.2	8137.8	8246.4	8355.2	8319.0	8283.0
22.5°	7236.1	7537.0	7838.0	8063.2	8288.4	8335.5	8382.7
25°	6798.5	7164.0	7529.4	7871.4	8213.3	8362.1	8510.8
27.5°	6437.0	6842.1	7247.1	7699.7	8152.6	8418.7	8684.7
30°	6167.4	6589.4	7011.4	7568.8	8126.3	8522.7	8919.2
32.5°	6055.7	6452.3	6848.9	7479.6	8110.3	8653.2	9196.2
35°	6338.6	6613.9	6889.4	7546.5	8203.7	8868.0	9532.6
37.5°	7305.2	7323.1	7340.9	7938.2	8535.5	9317.2	10098.9
40°	8993.1	8679.7	8366.2	8810.3	9254.5	10104.7	10954.9
42.5°	11258.8	10574.9	9891.1	10147.0	10402.8	11246.4	12089.9
45°	13941.3	12845.6	11750.1	11863.1	11976.0	12733.9	13491.6
47.5°	16884.7	15304.8	13724.3	13747.2	13770.2	14507.4	15244.5
50°	19802.5	17765.7	15729.0	15725.1	15721.2	16631.5	17542.2
52.5°	22617.2	20184.4	17751.6	17863.3	17974.7	19077.0	20179.6
55°	25355.0	22647.5	19939.8	20374.3	20808.9	21898.2	22987.6
57.5°	28079.9	25345.8	22611.8	23483.3	24354.9	24948.3	25541.5
60°	31937.7	29350.4	26763.1	27845.5	28928.0	28006.4	27085.0
62.5°	35832.7	33462.3	31092.1	31214.3	31336.3	28818.8	26301.3
65°	36417.3	33405.1	30393.0	29925.7	29458.2	27095.4	24732.5
67.5°	33839.9	30701.7	27563.4	27344.3	27125.1	24877.8	22630.6
70°	30803.1	27996.7	25190.2	25092.0	24994.1	22549.6	20105.3
72.5°	27238.4	25042.6	22846.8	22776.5	22706.1	19900.9	17096.0
75°	23033.3	21325.0	19616.7	19356.0	19095.3	16192.2	13289.1
77.5°	18258.4	16959.8	15661.1	15288.1	14915.0	12204.8	9494.8
80°	13662.5	12682.2	11701.3	11237.7	10774.1	8494.3	6214.3
82.5°	9116.0	8441.0	7765.9	7247.8	6729.9	5171.0	3612.3
85°	5234.2	4679.6	4124.9	3684.5	3243.9	2416.6	1589.4
87.5°	2094.4	1817.0	1539.7	1293.9	1048.1	770.1	492.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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