

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: P968905

Luminaire Tested: **NAV-SB5C-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968905
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-SB5C-827-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33597.4 lumens
Efficiency: N/A
Efficacy: 134.7 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): 249.5
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



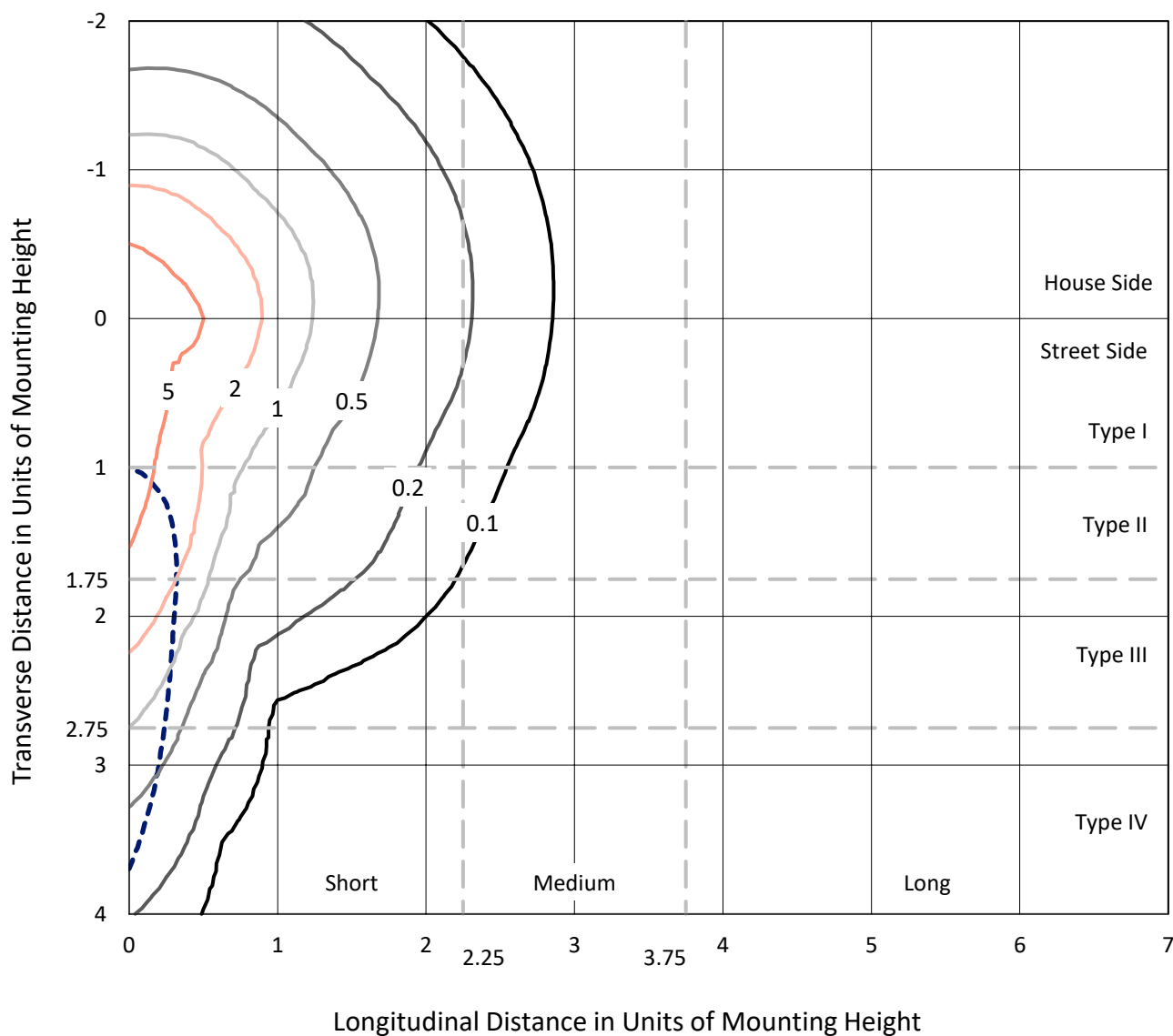
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

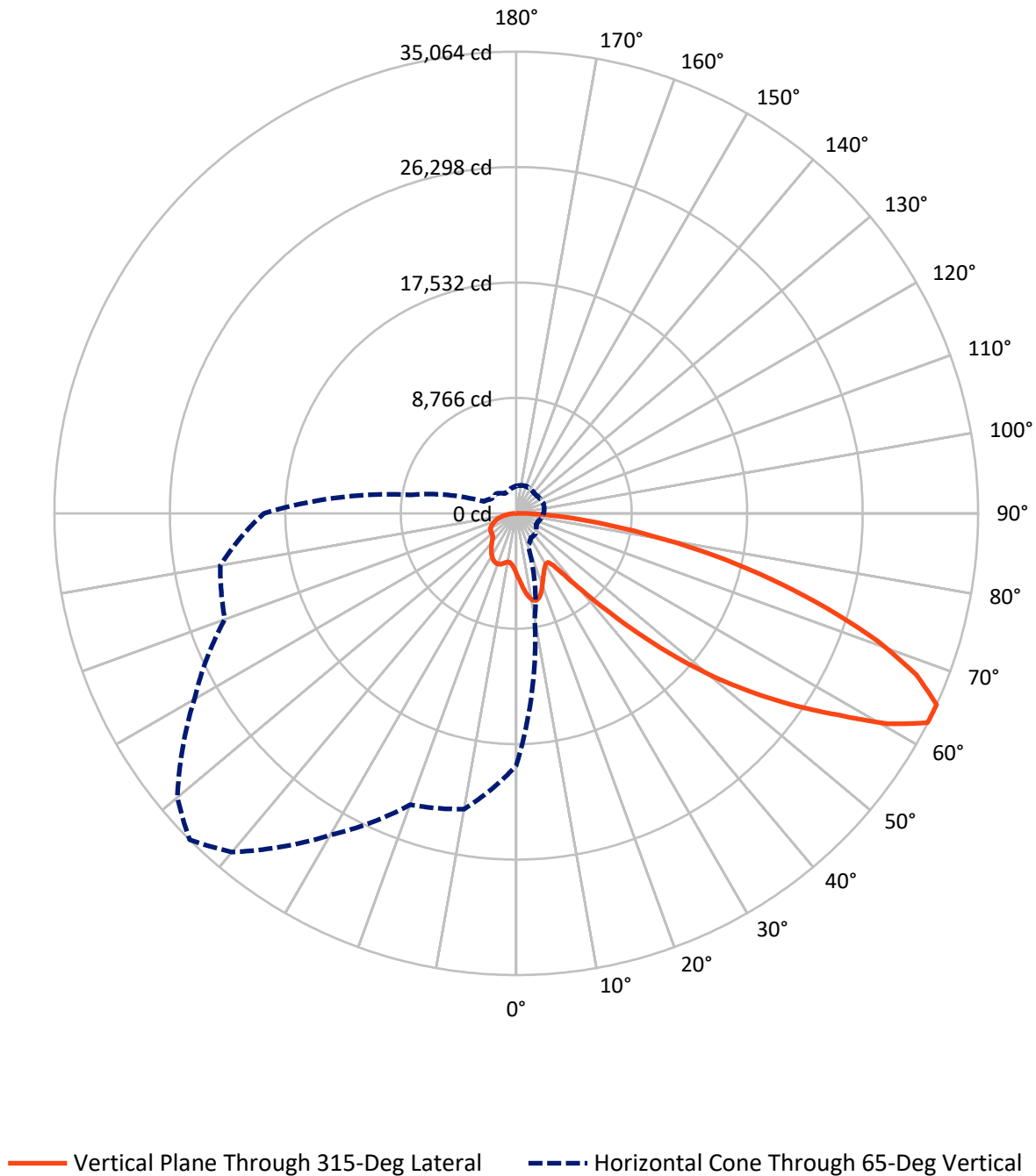


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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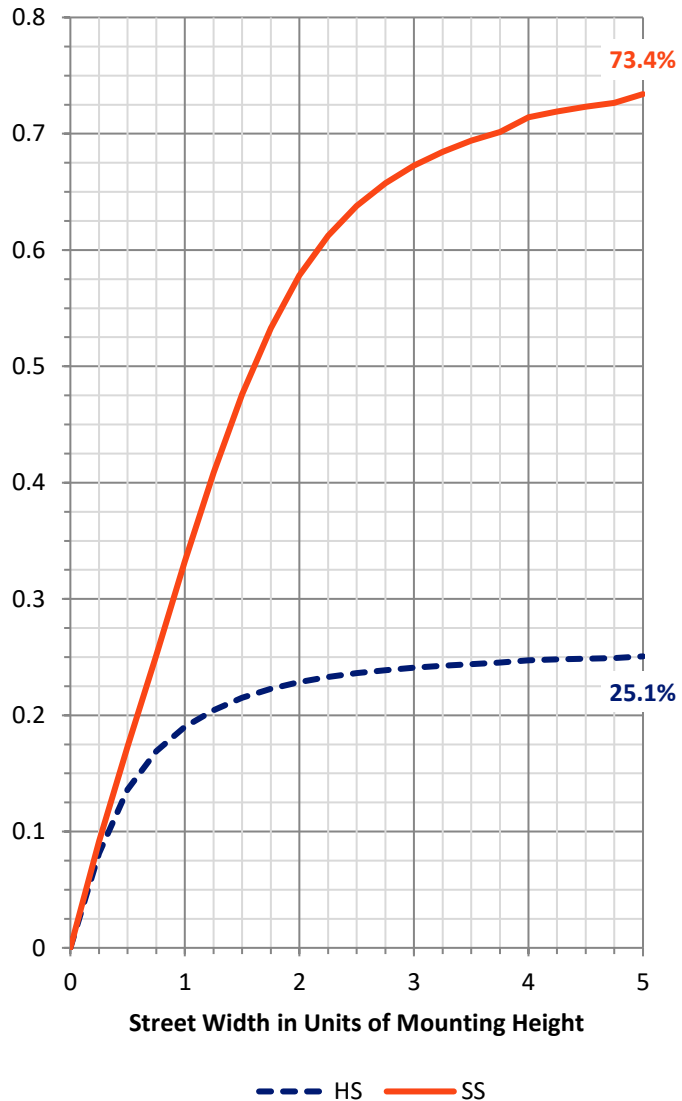
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8538.8	0.0	8538.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25058.7	0.0	25058.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	33597.4	0.0	33597.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.3	1.4
10°-20°	1438.7	4.3
20°-30°	2222.3	6.6
30°-40°	2816.2	8.4
40°-50°	4247.5	12.6
50°-60°	6862.4	20.4
60°-70°	8555.1	25.5
70°-80°	5610.0	16.7
80°-90°	1386.9	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°	33597.4	100.0
0°-180°	33597.4	100.0

Coefficient of Utilization



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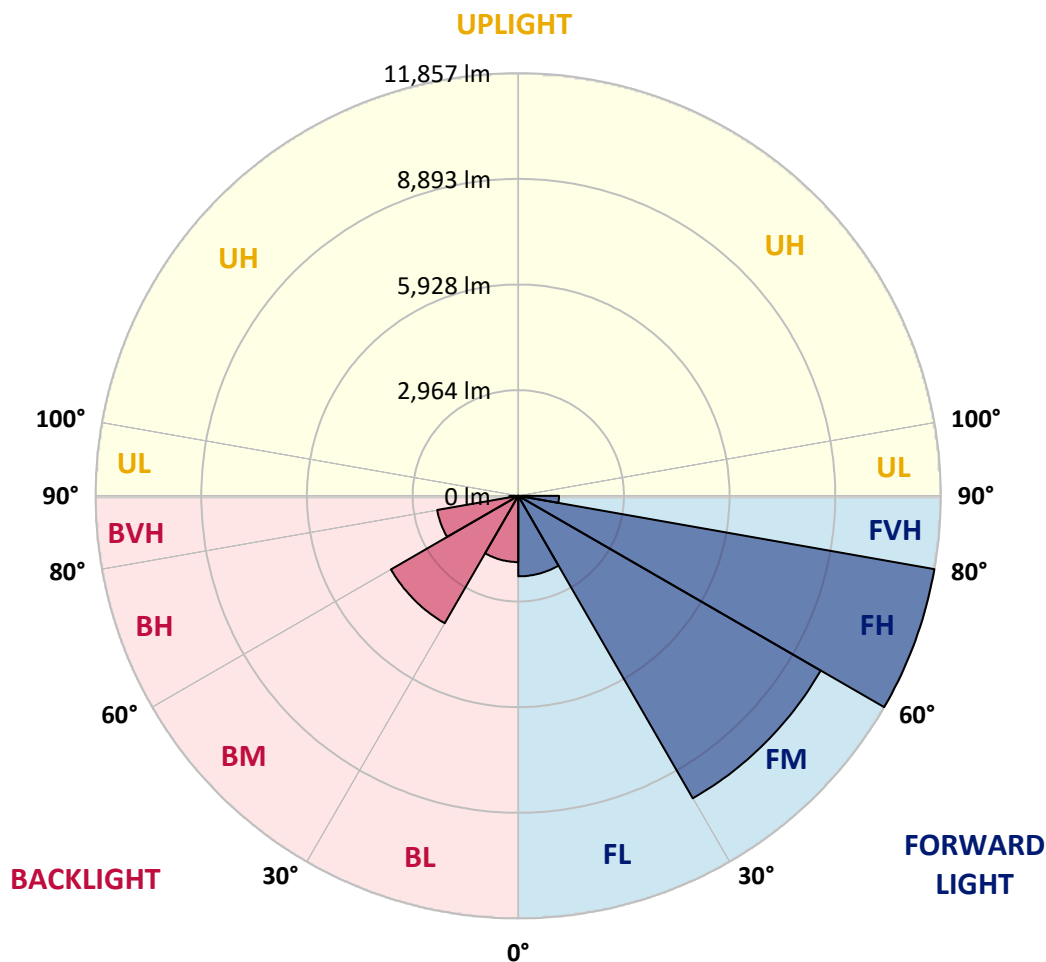
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2259.8	6.7			
FM	(30°-60°)	9799.6	29.2			
FH	(60°-80°)	11856.7	35.3			G4/12000
FVH	(80°-90°)	1142.5	3.4			G5
BL	(0°-30°)	1859.4	5.5	B3/2500		
BM	(30°-60°)	4126.5	12.3	B3/5000		
BH	(60°-80°)	2308.5	6.9	B3/2500		G3/2500
BVH	(80°-90°)	244.4	0.7			G3/500
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°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4968.3	4930.1	4892.0	4851.4	4811.0	4770.2	4729.5	4690.5	4651.4	4613.7	4571.7
5°	5342.4	5258.1	5173.9	5089.9	5006.1	4921.5	4837.1	4758.3	4679.3	4604.9	4531.3
7.5°	5718.2	5579.2	5440.4	5312.1	5183.7	5058.7	4933.7	4823.6	4713.6	4612.0	4516.8
10°	6006.3	5830.6	5654.9	5485.3	5315.8	5164.1	5012.0	4882.0	4751.5	4626.1	4523.8
12.5°	6182.7	5989.6	5796.7	5604.6	5412.4	5233.3	5054.3	4907.0	4759.6	4627.9	4532.8
15°	6289.9	6088.7	5887.5	5679.0	5470.5	5264.4	5058.2	4887.6	4717.0	4571.2	4494.9
17.5°	6350.2	6146.1	5942.1	5714.7	5487.2	5247.9	5008.6	4803.5	4598.4	4426.7	4379.7
20°	6416.7	6204.6	5992.5	5742.5	5492.6	5202.5	4912.4	4658.2	4404.0	4204.2	4191.8
22.5°	6493.8	6277.2	6060.3	5780.1	5499.6	5146.8	4794.0	4487.9	4181.7	3954.2	3978.5
25°	6593.1	6380.7	6168.4	5848.1	5527.6	5091.9	4656.3	4297.6	3939.2	3706.1	3771.7
27.5°	6727.8	6525.4	6322.7	5954.5	5586.1	5055.2	4524.2	4123.8	3723.2	3511.0	3590.8
30°	6909.5	6713.9	6518.3	6092.3	5666.2	5038.0	4409.3	3978.3	3547.4	3369.2	3431.8
32.5°	7124.1	6930.2	6736.7	6236.0	5735.4	5016.7	4297.6	3853.0	3408.2	3264.6	3292.5
35°	7384.6	7199.2	7013.6	6399.8	5786.1	4976.6	4167.5	3729.8	3292.1	3172.5	3160.9
37.5°	7823.4	7586.9	7350.4	6583.4	5816.3	4908.0	3999.9	3584.8	3169.8	3065.2	3023.0
40°	8486.4	8141.8	7797.2	6816.2	5835.2	4813.5	3792.0	3411.8	3031.5	2936.6	2871.9
42.5°	9365.7	8868.3	8370.9	7121.0	5871.2	4716.0	3561.3	3220.9	2880.5	2793.0	2711.5
45°	10451.6	9780.6	9109.6	7522.1	5934.4	4625.4	3316.6	3018.0	2719.5	2630.9	2551.9
47.5°	11809.5	10865.2	9920.7	7949.3	5977.9	4550.6	3123.4	2857.6	2591.8	2477.5	2409.6
50°	13589.4	12165.7	10741.8	8345.7	5949.5	4469.1	2988.6	2751.0	2513.5	2363.1	2284.2
52.5°	15632.6	13531.8	11431.1	8603.1	5775.0	4331.3	2887.9	2680.9	2473.9	2301.1	2190.8
55°	17807.8	14743.0	11678.3	8546.3	5414.2	4103.0	2791.8	2629.9	2468.1	2307.3	2141.2
57.5°	19786.3	15601.4	11416.6	8147.1	4877.9	3781.0	2684.1	2569.7	2455.4	2313.5	2111.4
60°	20982.1	15816.0	10649.6	7404.1	4158.6	3363.0	2567.4	2477.5	2387.6	2294.1	2083.4
62.5°	20374.8	14912.7	9450.5	6399.5	3348.5	2862.7	2377.0	2317.2	2257.7	2246.2	2050.8
65°	19159.6	13634.7	8109.7	5374.5	2639.4	2412.6	2185.9	2157.7	2129.5	2130.9	1982.0
67.5°	17531.3	12113.8	6696.2	4370.3	2044.4	1980.1	1915.5	1931.3	1946.9	1943.0	1859.4
70°	15575.0	10454.3	5333.5	3441.0	1548.6	1567.0	1585.3	1658.2	1731.1	1731.1	1703.7
72.5°	13243.7	8655.2	4066.8	2630.7	1194.5	1250.0	1305.6	1409.2	1512.6	1529.9	1530.3
75°	10294.7	6592.9	2891.1	1909.3	927.5	977.8	1028.3	1144.2	1260.1	1340.3	1333.5
77.5°	7355.4	4614.4	1873.5	1293.8	714.1	748.4	782.7	895.2	1007.9	1139.9	1136.4
80°	4814.0	2973.0	1131.9	833.5	535.4	549.6	563.8	659.2	754.3	912.1	911.5
82.5°	2798.4	1720.7	643.2	512.7	382.5	385.1	387.9	458.1	528.3	663.1	670.5
85°	1231.2	774.0	316.9	274.1	231.3	230.1	228.7	280.1	331.5	431.7	441.5
87.5°	381.2	253.5	125.9	113.7	101.4	100.1	98.9	119.8	140.9	182.6	195.1
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4537.7	4503.8	4473.1	4442.7	4415.9	4389.2	4362.2	4335.4	4314.6	4293.7	4276.9
5°	4467.2	4402.8	4348.9	4295.2	4247.6	4200.1	4157.1	4113.8	4080.6	4047.3	4024.0
7.5°	4431.3	4346.0	4275.2	4204.2	4144.5	4084.5	4031.7	3979.0	3939.5	3900.2	3872.6
10°	4433.8	4343.7	4272.8	4201.9	4137.5	4073.0	4013.6	3954.2	3907.1	3859.7	3828.9
12.5°	4459.0	4385.6	4338.4	4291.6	4240.9	4190.6	4129.0	4067.7	4007.4	3947.2	3907.3
15°	4459.7	4424.6	4431.0	4437.3	4424.2	4411.1	4357.8	4304.4	4218.6	4132.8	4072.1
17.5°	4392.6	4405.4	4482.7	4560.0	4601.1	4642.1	4599.0	4556.1	4442.5	4328.9	4239.5
20°	4252.1	4312.4	4446.6	4580.9	4666.9	4752.9	4733.0	4713.1	4583.1	4453.3	4343.7
22.5°	4067.7	4156.9	4310.0	4463.6	4575.4	4687.3	4699.3	4711.2	4587.2	4463.1	4350.3
25°	3874.5	3977.3	4115.1	4252.9	4363.0	4473.1	4514.3	4555.2	4453.5	4351.8	4251.6
27.5°	3690.1	3789.4	3902.7	4015.7	4104.1	4192.4	4238.1	4284.0	4211.5	4139.2	4061.4
30°	3510.5	3589.6	3683.5	3777.5	3850.7	3924.1	3961.3	3998.5	3943.5	3888.1	3832.5
32.5°	3339.0	3385.7	3460.7	3535.8	3606.1	3676.5	3717.8	3759.3	3708.6	3657.6	3613.1
35°	3173.7	3186.6	3243.9	3301.0	3370.5	3440.1	3489.8	3539.4	3503.2	3467.3	3426.2
37.5°	3008.8	2994.6	3035.7	3076.7	3146.0	3215.5	3276.8	3338.2	3321.5	3304.9	3267.1
40°	2839.9	2807.8	2837.4	2867.0	2934.0	3001.0	3071.6	3142.3	3146.3	3150.2	3118.2
42.5°	2669.0	2626.5	2650.5	2674.8	2738.3	2801.9	2878.2	2954.4	2974.8	2995.2	2968.0
45°	2510.4	2469.1	2489.4	2509.9	2570.2	2630.5	2709.6	2788.6	2817.9	2847.1	2822.6
47.5°	2374.8	2340.1	2359.2	2378.2	2437.2	2496.1	2574.1	2652.1	2685.8	2719.5	2702.5
50°	2253.5	2222.7	2252.5	2282.5	2338.1	2393.7	2463.5	2533.4	2576.6	2619.9	2618.8
52.5°	2160.4	2130.1	2174.8	2219.5	2270.6	2321.5	2386.5	2451.8	2503.0	2554.3	2563.5
55°	2092.9	2045.0	2108.5	2172.1	2227.0	2282.0	2339.0	2395.9	2450.2	2504.6	2517.4
57.5°	2041.2	1971.0	2039.4	2107.9	2172.4	2237.0	2293.3	2349.8	2404.6	2459.3	2472.2
60°	1992.5	1901.4	1961.4	2021.4	2095.5	2169.5	2226.8	2284.2	2339.3	2394.2	2408.3
62.5°	1936.9	1823.4	1861.4	1899.5	1985.9	2072.4	2133.5	2194.7	2245.1	2295.4	2309.1
65°	1861.1	1740.0	1754.7	1769.3	1861.8	1954.6	2013.0	2071.5	2115.8	2160.2	2174.1
67.5°	1758.6	1657.9	1653.3	1648.7	1734.2	1819.8	1875.2	1930.6	1968.9	2007.2	2020.8
70°	1632.0	1560.5	1544.5	1528.5	1603.7	1678.8	1726.7	1774.6	1809.1	1843.8	1856.9
72.5°	1481.2	1432.0	1408.7	1385.5	1444.6	1503.7	1546.9	1590.2	1624.1	1657.9	1673.5
75°	1295.7	1257.8	1235.4	1213.0	1257.0	1300.9	1340.1	1379.2	1410.1	1440.9	1457.2
77.5°	1106.1	1075.7	1053.1	1030.3	1066.2	1101.8	1135.5	1169.2	1201.6	1233.9	1249.2
80°	886.2	860.7	841.7	822.6	852.4	882.0	910.3	938.7	963.3	987.8	1008.0
82.5°	658.0	645.6	632.2	618.7	616.2	613.8	603.8	593.9	646.4	698.8	733.2
85°	428.1	414.8	399.7	384.7	372.0	359.0	331.5	304.0	353.1	402.4	445.0
87.5°	189.7	184.4	181.5	178.7	178.1	177.6	156.7	135.6	156.2	176.9	194.1
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4260.1	4247.0	4233.9	4221.8	4209.6	4194.5	4209.6	4221.8	4233.9	4247.0	4260.1
5°	4000.9	3984.4	3967.9	3955.3	3942.8	3930.4	3942.8	3955.3	3967.9	3984.4	4000.9
7.5°	3844.9	3825.9	3807.1	3795.8	3784.6	3776.1	3784.6	3795.8	3807.1	3825.9	3844.9
10°	3797.7	3779.8	3761.9	3752.3	3742.8	3738.9	3742.8	3752.3	3761.9	3779.8	3797.7
12.5°	3867.4	3847.3	3827.5	3819.4	3811.2	3809.7	3811.2	3819.4	3827.5	3847.3	3867.4
15°	4011.5	3983.7	3956.0	3945.4	3934.8	3933.8	3934.8	3945.4	3956.0	3983.7	4011.5
17.5°	4150.1	4109.0	4067.7	4054.3	4040.6	4038.5	4040.6	4054.3	4067.7	4109.0	4150.1
20°	4234.4	4181.7	4128.9	4112.0	4095.2	4089.9	4095.2	4112.0	4128.9	4181.7	4234.4
22.5°	4237.3	4181.9	4126.2	4107.6	4089.0	4081.0	4089.0	4107.6	4126.2	4181.9	4237.3
25°	4151.6	4103.4	4055.3	4037.8	4020.4	4010.1	4020.4	4037.8	4055.3	4103.4	4151.6
27.5°	3983.5	3951.3	3918.8	3910.8	3902.8	3900.2	3902.8	3910.8	3918.8	3951.3	3983.5
30°	3776.4	3759.9	3743.3	3743.3	3743.3	3746.0	3743.3	3743.3	3743.3	3759.9	3776.4
32.5°	3568.6	3557.9	3547.0	3548.4	3550.1	3552.8	3550.1	3548.4	3547.0	3557.9	3568.6
35°	3385.2	3368.7	3352.4	3348.9	3345.3	3343.6	3345.3	3348.9	3352.4	3368.7	3385.2
37.5°	3229.2	3199.2	3169.4	3153.6	3137.8	3129.0	3137.8	3153.6	3169.4	3199.2	3229.2
40°	3086.1	3042.5	2999.3	2969.8	2940.7	2923.4	2940.7	2969.8	2999.3	3042.5	3086.1
42.5°	2941.1	2887.0	2833.0	2790.3	2747.5	2719.5	2747.5	2790.3	2833.0	2887.0	2941.1
45°	2798.4	2736.5	2674.8	2624.6	2574.5	2542.2	2574.5	2624.6	2674.8	2736.5	2798.4
47.5°	2685.5	2630.5	2575.5	2529.1	2482.9	2451.8	2482.9	2529.1	2575.5	2630.5	2685.5
50°	2618.1	2574.1	2530.1	2487.3	2444.3	2414.6	2444.3	2487.3	2530.1	2574.1	2618.1
52.5°	2572.8	2536.9	2501.1	2462.6	2424.3	2396.9	2424.3	2462.6	2501.1	2536.9	2572.8
55°	2530.1	2499.0	2467.8	2434.1	2400.3	2375.5	2400.3	2434.1	2467.8	2499.0	2530.1
57.5°	2485.1	2453.5	2422.0	2388.7	2355.1	2329.5	2355.1	2388.7	2422.0	2453.5	2485.1
60°	2422.6	2391.7	2361.0	2326.6	2292.2	2265.7	2292.2	2326.6	2361.0	2391.7	2422.6
62.5°	2322.8	2294.9	2267.1	2230.9	2194.7	2162.9	2194.7	2230.9	2267.1	2294.9	2322.8
65°	2188.0	2161.2	2134.5	2099.4	2064.5	2037.0	2064.5	2099.4	2134.5	2161.2	2188.0
67.5°	2034.3	2009.6	1985.2	1952.5	1919.9	1895.1	1919.9	1952.5	1985.2	2009.6	2034.3
70°	1869.9	1849.9	1829.9	1798.7	1767.5	1739.1	1767.5	1798.7	1829.9	1849.9	1869.9
72.5°	1689.1	1672.5	1655.8	1626.1	1596.4	1569.0	1596.4	1626.1	1655.8	1672.5	1689.1
75°	1473.5	1465.4	1457.2	1432.2	1407.2	1381.0	1407.2	1432.2	1457.2	1465.4	1473.5
77.5°	1264.3	1253.1	1241.3	1216.2	1190.9	1170.0	1190.9	1216.2	1241.3	1253.1	1264.3
80°	1028.3	1023.3	1018.4	984.6	950.6	911.2	950.6	984.6	1018.4	1023.3	1028.3
82.5°	767.6	765.5	763.2	734.6	705.9	680.8	705.9	734.6	763.2	765.5	767.6
85°	487.5	484.0	480.4	458.1	435.7	413.1	435.7	458.1	480.4	484.0	487.5
87.5°	211.4	207.0	202.4	191.1	179.4	168.4	179.4	191.1	202.4	207.0	211.4
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: P968905

CATALOG NUMBER: NAV-SB5C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4276.9	4293.7	4314.6	4335.4	4362.2	4389.2	4415.9	4442.7	4473.1	4503.8	4537.7
5°	4024.0	4047.3	4080.6	4113.8	4157.1	4200.1	4247.6	4295.2	4348.9	4402.8	4467.2
7.5°	3872.6	3900.2	3939.5	3979.0	4031.7	4084.5	4144.5	4204.2	4275.2	4346.0	4431.3
10°	3828.9	3859.7	3907.1	3954.2	4013.6	4073.0	4137.5	4201.9	4272.8	4343.7	4433.8
12.5°	3907.3	3947.2	4007.4	4067.7	4129.0	4190.6	4240.9	4291.6	4338.4	4385.6	4459.0
15°	4072.1	4132.8	4218.6	4304.4	4357.8	4411.1	4424.2	4437.3	4431.0	4424.6	4459.7
17.5°	4239.5	4328.9	4442.5	4556.1	4599.0	4642.1	4601.1	4560.0	4482.7	4405.4	4392.6
20°	4343.7	4453.3	4583.1	4713.1	4733.0	4752.9	4666.9	4580.9	4446.6	4312.4	4252.1
22.5°	4350.3	4463.1	4587.2	4711.2	4699.3	4687.3	4575.4	4463.6	4310.0	4156.9	4067.7
25°	4251.6	4351.8	4453.5	4555.2	4514.3	4473.1	4363.0	4252.9	4115.1	3977.3	3874.5
27.5°	4061.4	4139.2	4211.5	4284.0	4238.1	4192.4	4104.1	4015.7	3902.7	3789.4	3690.1
30°	3832.5	3888.1	3943.5	3998.5	3961.3	3924.1	3850.7	3777.5	3683.5	3589.6	3510.5
32.5°	3613.1	3657.6	3708.6	3759.3	3717.8	3676.5	3606.1	3535.8	3460.7	3385.7	3339.0
35°	3426.2	3467.3	3503.2	3539.4	3489.8	3440.1	3370.5	3301.0	3243.9	3186.6	3173.7
37.5°	3267.1	3304.9	3321.5	3338.2	3276.8	3215.5	3146.0	3076.7	3035.7	2994.6	3008.8
40°	3118.2	3150.2	3146.3	3142.3	3071.6	3001.0	2934.0	2867.0	2837.4	2807.8	2839.9
42.5°	2968.0	2995.2	2974.8	2954.4	2878.2	2801.9	2738.3	2674.8	2650.5	2626.5	2669.0
45°	2822.6	2847.1	2817.9	2788.6	2709.6	2630.5	2570.2	2509.9	2489.4	2469.1	2510.4
47.5°	2702.5	2719.5	2685.8	2652.1	2574.1	2496.1	2437.2	2378.2	2359.2	2340.1	2374.8
50°	2618.8	2619.9	2576.6	2533.4	2463.5	2393.7	2338.1	2282.5	2252.5	2222.7	2253.5
52.5°	2563.5	2554.3	2503.0	2451.8	2386.5	2321.5	2270.6	2219.5	2174.8	2130.1	2160.4
55°	2517.4	2504.6	2450.2	2395.9	2339.0	2282.0	2227.0	2172.1	2108.5	2045.0	2092.9
57.5°	2472.2	2459.3	2404.6	2349.8	2293.3	2237.0	2172.4	2107.9	2039.4	1971.0	2041.2
60°	2408.3	2394.2	2339.3	2284.2	2226.8	2169.5	2095.5	2021.4	1961.4	1901.4	1992.5
62.5°	2309.1	2295.4	2245.1	2194.7	2133.5	2072.4	1985.9	1899.5	1861.4	1823.4	1936.9
65°	2174.1	2160.2	2115.8	2071.5	2013.0	1954.6	1861.8	1769.3	1754.7	1740.0	1861.1
67.5°	2020.8	2007.2	1968.9	1930.6	1875.2	1819.8	1734.2	1648.7	1653.3	1657.9	1758.6
70°	1856.9	1843.8	1809.1	1774.6	1726.7	1678.8	1603.7	1528.5	1544.5	1560.5	1632.0
72.5°	1673.5	1657.9	1624.1	1590.2	1546.9	1503.7	1444.6	1385.5	1408.7	1432.0	1481.2
75°	1457.2	1440.9	1410.1	1379.2	1340.1	1300.9	1257.0	1213.0	1235.4	1257.8	1295.7
77.5°	1249.2	1233.9	1201.6	1169.2	1135.5	1101.8	1066.2	1030.3	1053.1	1075.7	1106.1
80°	1008.0	987.8	963.3	938.7	910.3	882.0	852.4	822.6	841.7	860.7	886.2
82.5°	733.2	698.8	646.4	593.9	603.8	613.8	616.2	618.7	632.2	645.6	658.0
85°	445.0	402.4	353.1	304.0	331.5	359.0	372.0	384.7	399.7	414.8	428.1
87.5°	194.1	176.9	156.2	135.6	156.7	177.6	178.1	178.7	181.5	184.4	189.7
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: P968905

CATALOG NUMBER: NAV-SB5C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4571.7	4613.7	4651.4	4690.5	4729.5	4770.2	4811.0	4851.4	4892.0	4930.1	4968.3
5°	4531.3	4604.9	4679.3	4758.3	4837.1	4921.5	5006.1	5089.9	5173.9	5258.1	5342.4
7.5°	4516.8	4612.0	4713.6	4823.6	4933.7	5058.7	5183.7	5312.1	5440.4	5579.2	5718.2
10°	4523.8	4626.1	4751.5	4882.0	5012.0	5164.1	5315.8	5485.3	5654.9	5830.6	6006.3
12.5°	4532.8	4627.9	4759.6	4907.0	5054.3	5233.3	5412.4	5604.6	5796.7	5989.6	6182.7
15°	4494.9	4571.2	4717.0	4887.6	5058.2	5264.4	5470.5	5679.0	5887.5	6088.7	6289.9
17.5°	4379.7	4426.7	4598.4	4803.5	5008.6	5247.9	5487.2	5714.7	5942.1	6146.1	6350.2
20°	4191.8	4204.2	4404.0	4658.2	4912.4	5202.5	5492.6	5742.5	5992.5	6204.6	6416.7
22.5°	3978.5	3954.2	4181.7	4487.9	4794.0	5146.8	5499.6	5780.1	6060.3	6277.2	6493.8
25°	3771.7	3706.1	3939.2	4297.6	4656.3	5091.9	5527.6	5848.1	6168.4	6380.7	6593.1
27.5°	3590.8	3511.0	3723.2	4123.8	4524.2	5055.2	5586.1	5954.5	6322.7	6525.4	6727.8
30°	3431.8	3369.2	3547.4	3978.3	4409.3	5038.0	5666.2	6092.3	6518.3	6713.9	6909.5
32.5°	3292.5	3264.6	3408.2	3853.0	4297.6	5016.7	5735.4	6236.0	6736.7	6930.2	7124.1
35°	3160.9	3172.5	3292.1	3729.8	4167.5	4976.6	5786.1	6399.8	7013.6	7199.2	7384.6
37.5°	3023.0	3065.2	3169.8	3584.8	3999.9	4908.0	5816.3	6583.4	7350.4	7586.9	7823.4
40°	2871.9	2936.6	3031.5	3411.8	3792.0	4813.5	5835.2	6816.2	7797.2	8141.8	8486.4
42.5°	2711.5	2793.0	2880.5	3220.9	3561.3	4716.0	5871.2	7121.0	8370.9	8868.3	9365.7
45°	2551.9	2630.9	2719.5	3018.0	3316.6	4625.4	5934.4	7522.1	9109.6	9780.6	10451.6
47.5°	2409.6	2477.5	2591.8	2857.6	3123.4	4550.6	5977.9	7949.3	9920.7	10865.2	11809.5
50°	2284.2	2363.1	2513.5	2751.0	2988.6	4469.1	5949.5	8345.7	10741.8	12165.7	13589.4
52.5°	2190.8	2301.1	2473.9	2680.9	2887.9	4331.3	5775.0	8603.1	11431.1	13531.8	15632.6
55°	2141.2	2307.3	2468.1	2629.9	2791.8	4103.0	5414.2	8546.3	11678.3	14743.0	17807.8
57.5°	2111.4	2313.5	2455.4	2569.7	2684.1	3781.0	4877.9	8147.1	11416.6	15601.4	19786.3
60°	2083.4	2294.1	2387.6	2477.5	2567.4	3363.0	4158.6	7404.1	10649.6	15816.0	20982.1
62.5°	2050.8	2246.2	2257.7	2317.2	2377.0	2862.7	3348.5	6399.5	9450.5	14912.7	20374.8
65°	1982.0	2130.9	2129.5	2157.7	2185.9	2412.6	2639.4	5374.5	8109.7	13634.7	19159.6
67.5°	1859.4	1943.0	1946.9	1931.3	1915.5	1980.1	2044.4	4370.3	6696.2	12113.8	17531.3
70°	1703.7	1731.1	1731.1	1658.2	1585.3	1567.0	1548.6	3441.0	5333.5	10454.3	15575.0
72.5°	1530.3	1529.9	1512.6	1409.2	1305.6	1250.0	1194.5	2630.7	4066.8	8655.2	13243.7
75°	1333.5	1340.3	1260.1	1144.2	1028.3	977.8	927.5	1909.3	2891.1	6592.9	10294.7
77.5°	1136.4	1139.9	1007.9	895.2	782.7	748.4	714.1	1293.8	1873.5	4614.4	7355.4
80°	911.5	912.1	754.3	659.2	563.8	549.6	535.4	833.5	1131.9	2973.0	4814.0
82.5°	670.5	663.1	528.3	458.1	387.9	385.1	382.5	512.7	643.2	1720.7	2798.4
85°	441.5	431.7	331.5	280.1	228.7	230.1	231.3	274.1	316.9	774.0	1231.2
87.5°	195.1	182.6	140.9	119.8	98.9	100.1	101.4	113.7	125.9	253.5	381.2
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: P968905

CATALOG NUMBER: NAV-SB5C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	4987.1	5006.1	5032.9	5059.6	5075.6	5091.5	5099.5	5107.5	5103.9	5107.5	5099.5
5°	5408.1	5474.1	5539.3	5604.7	5640.2	5675.6	5697.1	5718.7	5735.1	5718.7	5697.1
7.5°	5825.3	5932.2	6028.4	6124.7	6182.7	6240.6	6272.0	6303.2	6318.3	6303.2	6272.0
10°	6132.9	6259.5	6372.3	6485.3	6553.7	6621.8	6652.2	6682.6	6694.2	6682.6	6652.2
12.5°	6319.8	6456.9	6559.1	6660.8	6710.5	6760.1	6776.8	6793.4	6795.1	6793.4	6776.8
15°	6408.3	6526.6	6590.5	6654.8	6656.6	6658.3	6640.6	6622.8	6601.9	6622.8	6640.6
17.5°	6430.1	6510.1	6511.3	6512.4	6440.6	6368.8	6303.0	6237.1	6190.7	6237.1	6303.0
20°	6444.5	6472.6	6388.3	6304.1	6145.6	5987.1	5871.7	5756.3	5685.4	5756.3	5871.7
22.5°	6457.3	6420.8	6246.3	6071.9	5838.7	5605.6	5461.3	5317.0	5238.7	5317.0	5461.3
25°	6477.8	6362.6	6097.7	5832.9	5549.8	5266.7	5115.0	4963.5	4889.5	4963.5	5115.0
27.5°	6521.8	6315.6	5964.8	5614.1	5300.4	4986.5	4837.3	4688.1	4618.1	4688.1	4837.3
30°	6602.3	6295.2	5863.4	5431.6	5104.6	4777.7	4639.3	4500.8	4435.6	4500.8	4639.3
32.5°	6703.3	6282.8	5794.2	5305.7	4998.4	4691.2	4582.6	4473.7	4426.7	4473.7	4582.6
35°	6869.9	6355.2	5846.0	5337.1	5123.6	4910.4	4884.9	4859.6	4855.7	4859.6	4884.9
37.5°	7217.8	6612.2	6149.5	5686.8	5673.0	5659.1	5775.1	5891.1	5951.4	5891.1	5775.1
40°	7827.8	7169.3	6825.2	6481.1	6723.9	6966.8	7248.7	7530.6	7670.9	7530.6	7248.7
42.5°	8712.3	8058.9	7860.6	7662.4	8192.1	8721.8	9234.5	9747.2	10048.3	9747.2	9234.5
45°	9864.6	9277.5	9190.0	9102.5	9951.1	10799.9	11642.4	12485.0	12996.5	12485.0	11642.4
47.5°	11238.5	10667.4	10649.6	10631.9	11856.2	13080.1	14313.5	15546.7	16270.8	15546.7	14313.5
50°	12884.0	12178.8	12181.8	12184.9	13762.7	15340.5	16968.5	18596.4	19580.7	18596.4	16968.5
52.5°	14778.4	13924.5	13838.2	13751.7	15636.4	17521.0	19535.3	21549.4	22729.2	21549.4	19535.3
55°	16964.0	16120.2	15783.5	15446.9	17544.4	19641.9	22043.1	24444.4	25847.5	24444.4	22043.1
57.5°	19326.8	18867.1	18191.8	17516.7	19634.7	21752.8	24472.6	27192.2	28932.3	27192.2	24472.6
60°	21695.8	22409.7	21571.2	20732.7	22737.0	24741.3	27653.4	30565.3	32446.0	30565.3	27653.4
62.5°	22325.1	24275.4	24181.0	24086.3	25922.4	27758.6	30529.2	33299.6	35037.8	33299.6	30529.2
65°	20990.1	22820.5	23182.6	23544.7	25878.1	28211.6	30898.1	33584.4	35064.3	33584.4	30898.1
67.5°	19272.2	21013.1	21183.0	21352.6	23783.8	26214.9	28912.9	31610.9	32770.4	31610.9	28912.9
70°	17468.6	19362.2	19438.1	19514.2	21688.4	23862.3	26184.2	28505.9	29150.3	28505.9	26184.2
72.5°	15416.7	17589.8	17644.5	17698.9	19399.9	21100.9	22839.8	24578.6	24643.8	24578.6	22839.8
75°	12543.6	14792.7	14994.6	15196.5	16519.9	17843.3	19067.5	20291.5	19963.6	20291.5	19067.5
77.5°	9454.7	11554.3	11843.3	12132.2	13138.2	14144.4	15012.5	15880.8	15317.1	15880.8	15012.5
80°	6580.3	8346.4	8705.5	9064.7	9824.5	10584.0	11040.0	11495.8	10589.0	11495.8	11040.0
82.5°	4005.8	5213.5	5614.6	6016.0	6539.0	7061.9	7252.2	7442.2	6729.5	7442.2	7252.2
85°	1872.1	2513.0	2854.2	3195.4	3625.2	4054.8	4162.7	4270.7	3699.8	4270.7	4162.7
87.5°	596.6	811.9	1002.3	1192.8	1407.6	1622.5	1631.7	1640.7	1377.5	1640.7	1631.7
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: P968905

CATALOG NUMBER: NAV-SB5C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0	4620.0
2.5°	5091.5	5075.6	5059.6	5032.9	5006.1	4987.1	4968.3
5°	5675.6	5640.2	5604.7	5539.3	5474.1	5408.1	5342.4
7.5°	6240.6	6182.7	6124.7	6028.4	5932.2	5825.3	5718.2
10°	6621.8	6553.7	6485.3	6372.3	6259.5	6132.9	6006.3
12.5°	6760.1	6710.5	6660.8	6559.1	6456.9	6319.8	6182.7
15°	6658.3	6656.6	6654.8	6590.5	6526.6	6408.3	6289.9
17.5°	6368.8	6440.6	6512.4	6511.3	6510.1	6430.1	6350.2
20°	5987.1	6145.6	6304.1	6388.3	6472.6	6444.5	6416.7
22.5°	5605.6	5838.7	6071.9	6246.3	6420.8	6457.3	6493.8
25°	5266.7	5549.8	5832.9	6097.7	6362.6	6477.8	6593.1
27.5°	4986.5	5300.4	5614.1	5964.8	6315.6	6521.8	6727.8
30°	4777.7	5104.6	5431.6	5863.4	6295.2	6602.3	6909.5
32.5°	4691.2	4998.4	5305.7	5794.2	6282.8	6703.3	7124.1
35°	4910.4	5123.6	5337.1	5846.0	6355.2	6869.9	7384.6
37.5°	5659.1	5673.0	5686.8	6149.5	6612.2	7217.8	7823.4
40°	6966.8	6723.9	6481.1	6825.2	7169.3	7827.8	8486.4
42.5°	8721.8	8192.1	7662.4	7860.6	8058.9	8712.3	9365.7
45°	10799.9	9951.1	9102.5	9190.0	9277.5	9864.6	10451.6
47.5°	13080.1	11856.2	10631.9	10649.6	10667.4	11238.5	11809.5
50°	15340.5	13762.7	12184.9	12181.8	12178.8	12884.0	13589.4
52.5°	17521.0	15636.4	13751.7	13838.2	13924.5	14778.4	15632.6
55°	19641.9	17544.4	15446.9	15783.5	16120.2	16964.0	17807.8
57.5°	21752.8	19634.7	17516.7	18191.8	18867.1	19326.8	19786.3
60°	24741.3	22737.0	20732.7	21571.2	22409.7	21695.8	20982.1
62.5°	27758.6	25922.4	24086.3	24181.0	24275.4	22325.1	20374.8
65°	28211.6	25878.1	23544.7	23182.6	22820.5	20990.1	19159.6
67.5°	26214.9	23783.8	21352.6	21183.0	21013.1	19272.2	17531.3
70°	23862.3	21688.4	19514.2	19438.1	19362.2	17468.6	15575.0
72.5°	21100.9	19399.9	17698.9	17644.5	17589.8	15416.7	13243.7
75°	17843.3	16519.9	15196.5	14994.6	14792.7	12543.6	10294.7
77.5°	14144.4	13138.2	12132.2	11843.3	11554.3	9454.7	7355.4
80°	10584.0	9824.5	9064.7	8705.5	8346.4	6580.3	4814.0
82.5°	7061.9	6539.0	6016.0	5614.6	5213.5	4005.8	2798.4
85°	4054.8	3625.2	3195.4	2854.2	2513.0	1872.1	1231.2
87.5°	1622.5	1407.6	1192.8	1002.3	811.9	596.6	381.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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