

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: P968376

Luminaire Tested: **NAV-SB5B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968376
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-827-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25262.2 lumens
Efficiency: N/A
Efficacy: 138.3 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



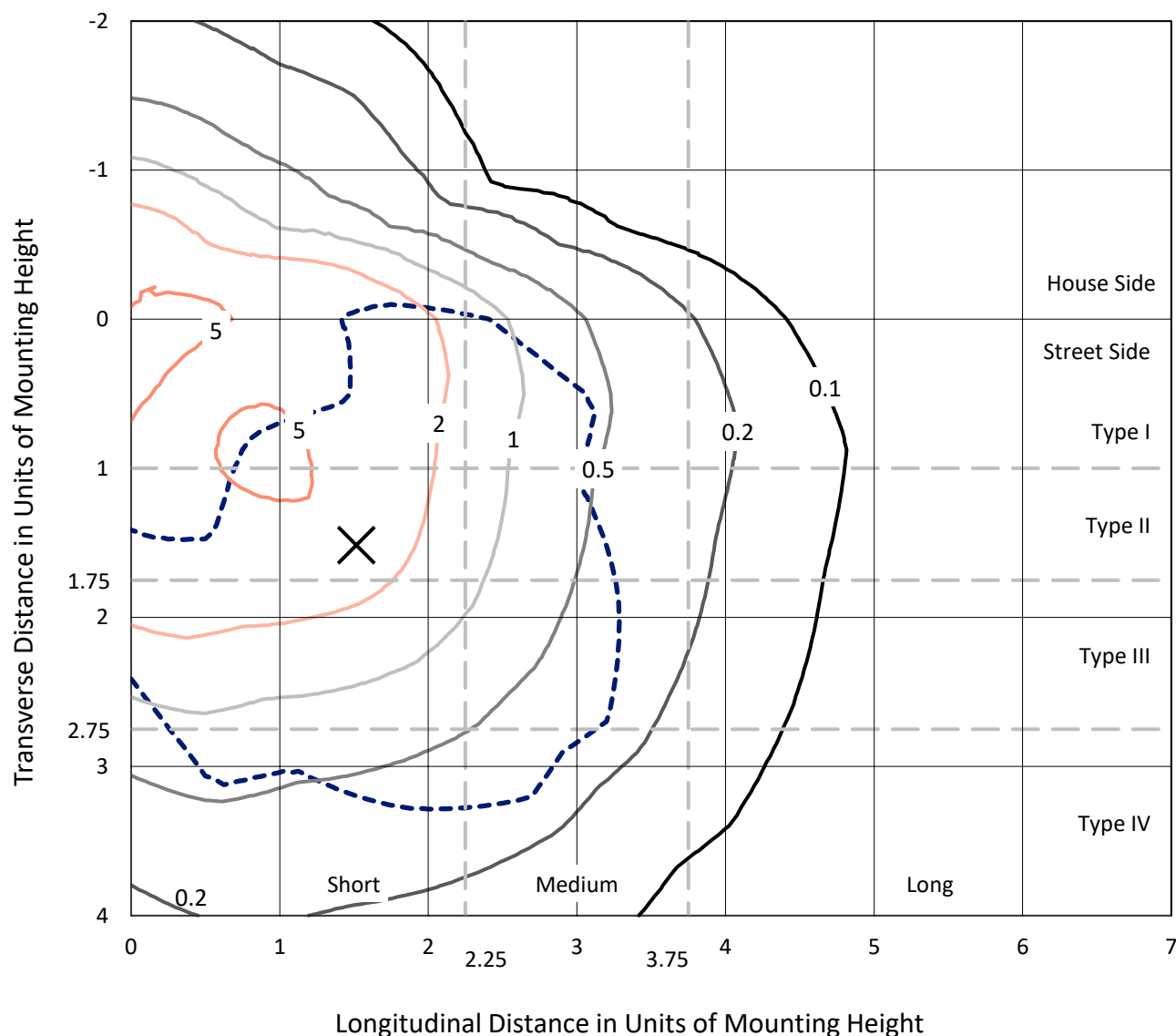
REPORT NUMBER: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

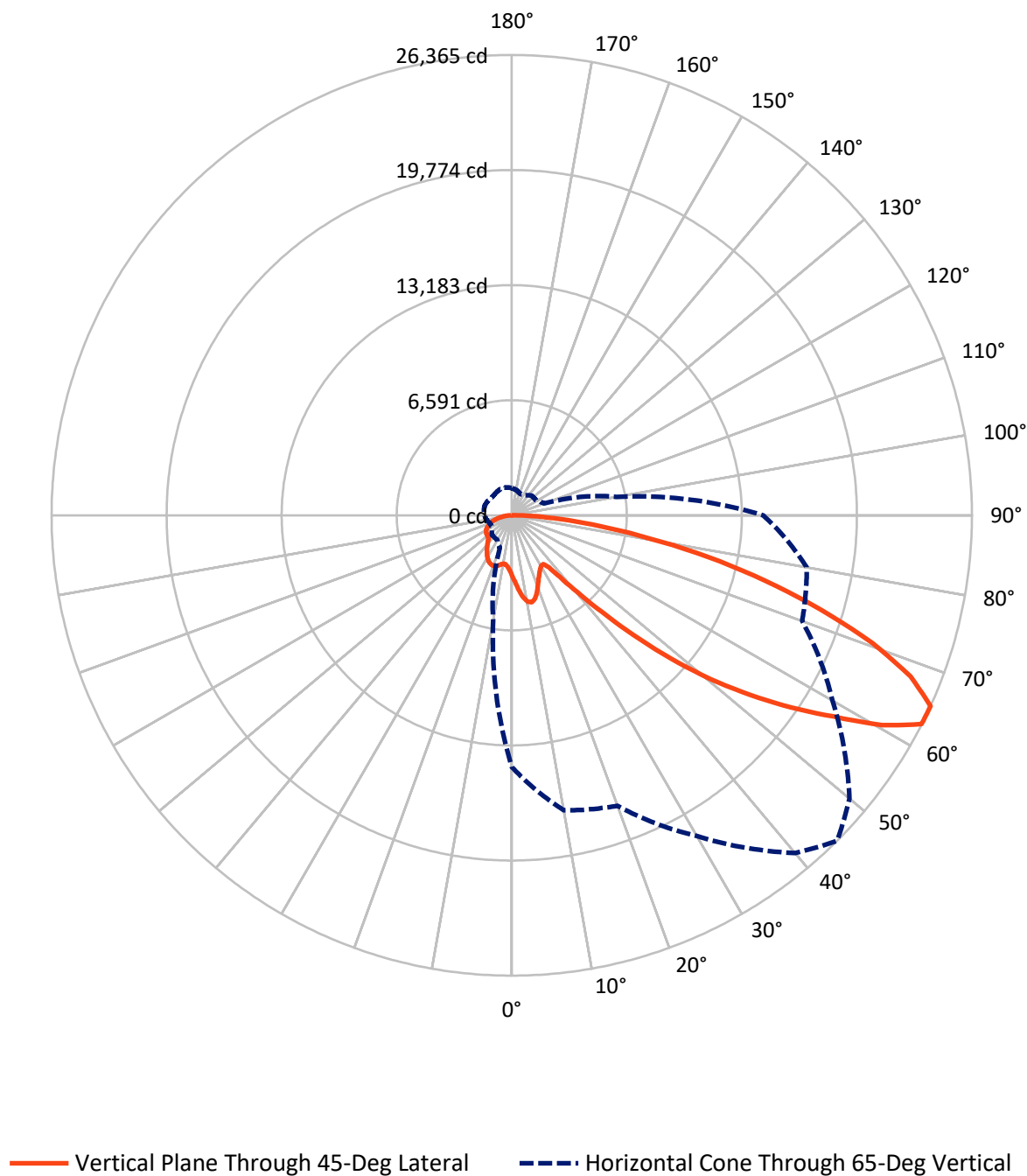


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc

Type IV - Short - N/A

REPORT NUMBER: P968376
CATALOG NUMBER: NAV-SB5B-827-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6420.4	0.0	6420.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18841.8	0.0	18841.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	25262.2	0.0	25262.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	1.4
10°-20°	1081.8	4.3
20°-30°	1670.9	6.6
30°-40°	2117.5	8.4
40°-50°	3193.7	12.6
50°-60°	5159.9	20.4
60°-70°	6432.7	25.5
70°-80°	4218.2	16.7
80°-90°	1042.9	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°	25262.2	100.0
0°-180°	25262.2	100.0

Coefficient of Utilization



REPORT NUMBER: P968376

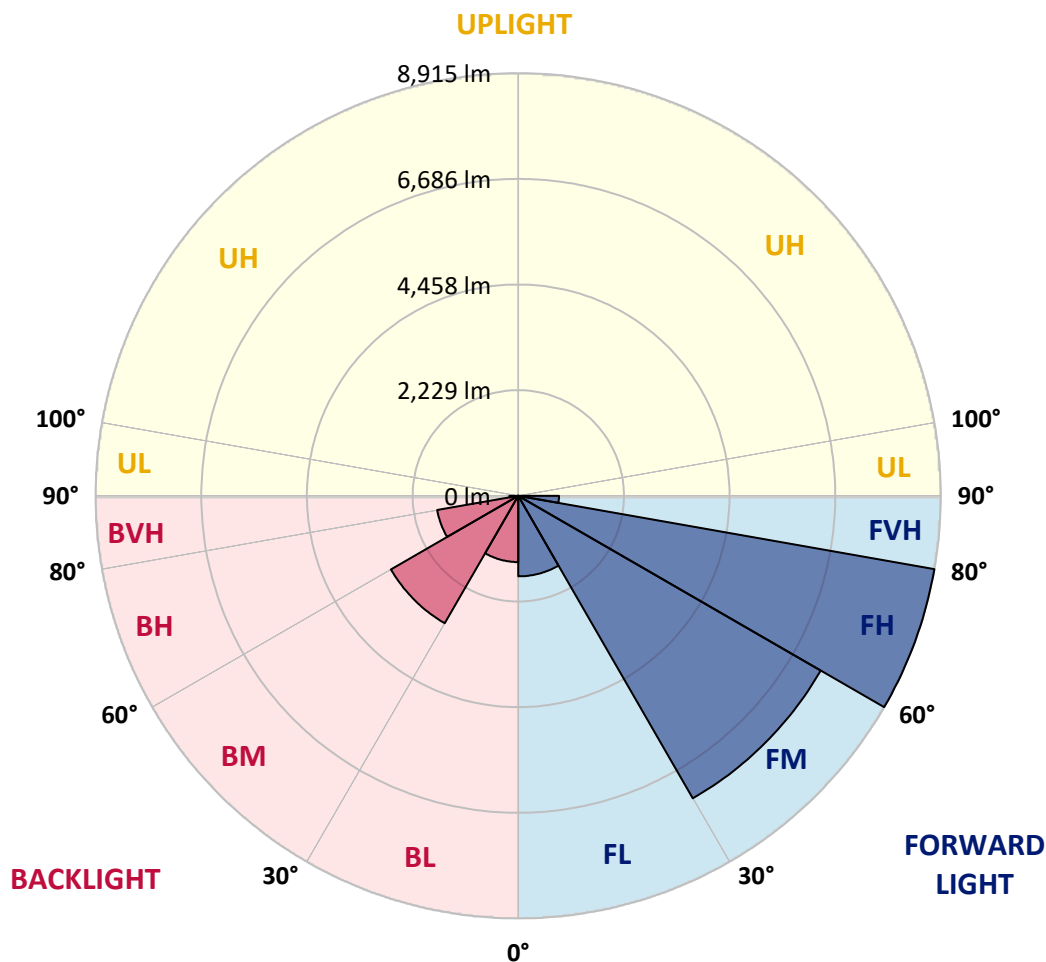
CATALOG NUMBER: NAV-SB5B-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1699.2	6.7			
FM	(30°-60°)	7368.4	29.2			
FH	(60°-80°)	8915.1	35.3			G4/12000
FVH	(80°-90°)	859.1	3.4			G5
BL	(0°-30°)	1398.1	5.5	B3/2500		
BM	(30°-60°)	3102.7	12.3	B3/5000		
BH	(60°-80°)	1735.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	183.8	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3735.7	3749.9	3764.1	3784.2	3804.4	3816.4	3828.4	3834.3	3840.4	3837.7	3840.4
5°	4017.0	4066.4	4116.0	4165.1	4214.3	4240.9	4267.6	4283.7	4300.0	4312.2	4300.0
7.5°	4299.6	4380.0	4460.4	4532.9	4605.2	4648.8	4692.3	4715.9	4739.4	4750.8	4739.4
10°	4516.2	4611.4	4706.5	4791.5	4876.3	4927.8	4978.9	5001.9	5024.7	5033.4	5024.7
12.5°	4648.8	4752.0	4855.0	4931.8	5008.3	5045.7	5083.0	5095.5	5108.0	5109.3	5108.0
15°	4729.5	4818.5	4907.4	4955.5	5003.7	5005.1	5006.4	4993.1	4979.8	4964.1	4979.8
17.5°	4774.8	4834.9	4895.0	4895.9	4896.7	4842.7	4788.8	4739.3	4689.7	4654.8	4689.7
20°	4824.8	4845.7	4866.7	4803.5	4740.1	4620.9	4501.8	4415.0	4328.2	4274.9	4328.2
22.5°	4882.7	4855.2	4827.9	4696.7	4565.5	4390.2	4214.9	4106.4	3997.9	3939.0	3997.9
25°	4957.4	4870.7	4784.1	4584.9	4385.8	4172.9	3960.1	3845.9	3732.1	3676.4	3732.1
27.5°	5058.7	4903.8	4748.7	4485.0	4221.3	3985.4	3749.4	3637.2	3525.1	3472.4	3525.1
30°	5195.3	4964.3	4733.4	4408.7	4084.0	3838.2	3592.4	3488.3	3384.1	3335.1	3384.1
32.5°	5356.6	5040.3	4724.1	4356.8	3989.4	3758.4	3527.3	3445.6	3363.7	3328.5	3363.7
35°	5552.5	5165.5	4778.4	4395.6	4013.0	3852.5	3692.2	3673.1	3654.0	3651.0	3654.0
37.5°	5882.5	5427.2	4971.8	4623.9	4276.0	4265.5	4255.2	4342.3	4429.5	4474.8	4429.5
40°	6381.0	5885.8	5390.6	5131.9	4873.2	5055.7	5238.4	5450.3	5662.3	5767.9	5662.3
42.5°	7042.2	6550.9	6059.5	5910.5	5761.4	6159.7	6558.1	6943.6	7329.1	7555.4	7329.1
45°	7858.6	7417.3	6975.7	6910.0	6844.2	7482.3	8120.6	8754.0	9387.6	9772.1	9387.6
47.5°	8879.7	8450.3	8020.8	8007.5	7994.2	8914.7	9835.1	10762.4	11689.6	12234.2	11689.6
50°	10218.0	9687.6	9157.3	9159.6	9161.9	10348.2	11534.6	12758.7	13982.7	14722.8	13982.7
52.5°	11754.3	11112.0	10470.0	10405.0	10340.0	11757.1	13174.2	14688.8	16203.1	17090.2	16203.1
55°	13389.9	12755.3	12120.8	11867.8	11614.6	13191.7	14768.8	16574.4	18379.9	19434.9	18379.9
57.5°	14877.5	14531.9	14186.3	13678.6	13170.9	14763.5	16356.0	18401.1	20446.0	21754.3	20446.0
60°	15776.6	16313.2	16850.0	16219.5	15589.0	17096.1	18603.1	20792.7	22982.2	24396.3	22982.2
62.5°	15320.1	16786.4	18252.9	18181.8	18110.6	19491.2	20871.9	22955.1	25038.2	26345.2	25038.2
65°	14406.3	15782.5	17158.9	17431.1	17703.4	19457.9	21212.5	23232.4	25252.4	26365.2	25252.4
67.5°	13181.9	14490.9	15799.9	15927.6	16055.2	17883.2	19711.2	21739.8	23768.5	24640.3	23768.5
70°	11710.9	13134.8	14558.6	14615.7	14672.9	16307.6	17942.3	19688.1	21433.8	21918.3	21433.8
72.5°	9958.1	11591.9	13225.9	13267.0	13307.9	14586.9	15865.9	17173.4	18480.8	18529.8	18480.8
75°	7740.7	9431.6	11122.7	11274.5	11426.4	12421.5	13416.5	14337.0	15257.3	15010.7	15257.3
77.5°	5530.6	7109.1	8687.7	8905.0	9122.3	9878.7	10635.2	11288.0	11940.9	11517.0	11940.9
80°	3619.7	4947.8	6275.7	6545.8	6815.8	7387.2	7958.2	8301.1	8643.7	7961.9	8643.7
82.5°	2104.1	3012.1	3920.0	4221.7	4523.5	4916.7	5309.9	5453.0	5595.9	5060.0	5595.9
85°	925.8	1407.6	1889.5	2146.1	2402.7	2725.8	3048.8	3129.9	3211.1	2782.0	3211.1
87.5°	286.6	448.5	610.5	753.7	896.9	1058.4	1220.0	1226.9	1233.7	1035.8	1233.7
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3834.3	3828.4	3816.4	3804.4	3784.2	3764.1	3749.9	3735.7	3707.0	3678.4	3647.9
5°	4283.7	4267.6	4240.9	4214.3	4165.1	4116.0	4066.4	4017.0	3953.6	3890.3	3827.1
7.5°	4715.9	4692.3	4648.8	4605.2	4532.9	4460.4	4380.0	4299.6	4195.0	4090.7	3994.1
10°	5001.9	4978.9	4927.8	4876.3	4791.5	4706.5	4611.4	4516.2	4384.0	4252.0	4124.4
12.5°	5095.5	5083.0	5045.7	5008.3	4931.8	4855.0	4752.0	4648.8	4503.6	4358.6	4214.1
15°	4993.1	5006.4	5005.1	5003.7	4955.5	4907.4	4818.5	4729.5	4578.2	4426.9	4270.0
17.5°	4739.3	4788.8	4842.7	4896.7	4895.9	4895.0	4834.9	4774.8	4621.3	4467.9	4296.9
20°	4415.0	4501.8	4620.9	4740.1	4803.5	4866.7	4845.7	4824.8	4665.3	4505.8	4317.8
22.5°	4106.4	4214.9	4390.2	4565.5	4696.7	4827.9	4855.2	4882.7	4719.8	4556.8	4346.1
25°	3845.9	3960.1	4172.9	4385.8	4584.9	4784.1	4870.7	4957.4	4797.7	4638.1	4397.2
27.5°	3637.2	3749.4	3985.4	4221.3	4485.0	4748.7	4903.8	5058.7	4906.5	4754.1	4477.2
30°	3488.3	3592.4	3838.2	4084.0	4408.7	4733.4	4964.3	5195.3	5048.1	4901.1	4580.8
32.5°	3445.6	3527.3	3758.4	3989.4	4356.8	4724.1	5040.3	5356.6	5210.9	5065.3	4689.0
35°	3673.1	3692.2	3852.5	4013.0	4395.6	4778.4	5165.5	5552.5	5413.1	5273.5	4812.1
37.5°	4342.3	4255.2	4265.5	4276.0	4623.9	4971.8	5427.2	5882.5	5704.6	5526.8	4950.0
40°	5450.3	5238.4	5055.7	4873.2	5131.9	5390.6	5885.8	6381.0	6121.9	5862.7	5125.2
42.5°	6943.6	6558.1	6159.7	5761.4	5910.5	6059.5	6550.9	7042.2	6668.1	6294.1	5354.3
45°	8754.0	8120.6	7482.3	6844.2	6910.0	6975.7	7417.3	7858.6	7354.1	6849.6	5655.8
47.5°	10762.4	9835.1	8914.7	7994.2	8007.5	8020.8	8450.3	8879.7	8169.6	7459.4	5977.1
50°	12758.7	11534.6	10348.2	9161.9	9159.6	9157.3	9687.6	10218.0	9147.5	8076.8	6275.2
52.5°	14688.8	13174.2	11757.1	10340.0	10405.0	10470.0	11112.0	11754.3	10174.7	8595.1	6468.7
55°	16574.4	14768.8	13191.7	11614.6	11867.8	12120.8	12755.3	13389.9	11085.4	8781.1	6426.0
57.5°	18401.1	16356.0	14763.5	13170.9	13678.6	14186.3	14531.9	14877.5	11730.8	8584.2	6125.9
60°	20792.7	18603.1	17096.1	15589.0	16219.5	16850.0	16313.2	15776.6	11892.2	8007.5	5567.2
62.5°	22955.1	20871.9	19491.2	18110.6	18181.8	18252.9	16786.4	15320.1	11213.0	7105.9	4811.9
65°	23232.4	21212.5	19457.9	17703.4	17431.1	17158.9	15782.5	14406.3	10252.0	6097.7	4041.1
67.5°	21739.8	19711.2	17883.2	16055.2	15927.6	15799.9	14490.9	13181.9	9108.5	5035.0	3286.0
70°	19688.1	17942.3	16307.6	14672.9	14615.7	14558.6	13134.8	11710.9	7860.6	4010.3	2587.3
72.5°	17173.4	15865.9	14586.9	13307.9	13267.0	13225.9	11591.9	9958.1	6507.9	3057.9	1978.0
75°	14337.0	13416.5	12421.5	11426.4	11274.5	11122.7	9431.6	7740.7	4957.2	2173.8	1435.6
77.5°	11288.0	10635.2	9878.7	9122.3	8905.0	8687.7	7109.1	5530.6	3469.6	1408.7	972.8
80°	8301.1	7958.2	7387.2	6815.8	6545.8	6275.7	4947.8	3619.7	2235.4	851.2	626.8
82.5°	5453.0	5309.9	4916.7	4523.5	4221.7	3920.0	3012.1	2104.1	1293.8	483.6	385.5
85°	3129.9	3048.8	2725.8	2402.7	2146.1	1889.5	1407.6	925.8	582.0	238.3	206.1
87.5°	1226.9	1220.0	1058.4	896.9	753.7	610.5	448.5	286.6	190.6	94.6	85.5
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3617.4	3586.8	3556.1	3526.8	3497.5	3469.1	3437.5	3411.9	3386.5	3363.4	3340.5
5°	3764.1	3700.5	3637.0	3577.8	3518.4	3462.4	3407.1	3358.8	3310.4	3270.0	3229.6
7.5°	3897.7	3803.7	3709.7	3627.0	3544.1	3467.8	3396.1	3332.0	3267.8	3214.5	3161.2
10°	3997.0	3882.9	3768.6	3670.7	3572.6	3478.4	3401.6	3333.8	3266.1	3212.8	3159.5
12.5°	4069.6	3935.0	3800.4	3689.6	3578.8	3479.8	3408.2	3352.8	3297.5	3262.1	3226.9
15°	4113.3	3958.3	3803.3	3675.0	3546.8	3437.1	3379.8	3353.3	3326.8	3331.7	3336.5
17.5°	4125.8	3945.9	3766.0	3611.7	3457.5	3328.5	3293.1	3302.9	3312.5	3370.6	3428.7
20°	4129.8	3911.8	3693.7	3502.5	3311.4	3161.2	3151.9	3197.2	3242.5	3343.4	3444.4
22.5°	4135.2	3869.9	3604.6	3374.5	3144.3	2973.2	2991.5	3058.5	3125.6	3240.7	3356.2
25°	4156.3	3828.6	3501.1	3231.4	2961.9	2786.6	2836.0	2913.3	2990.5	3094.2	3197.8
27.5°	4200.2	3801.0	3401.8	3100.6	2799.6	2640.0	2700.0	2774.6	2849.3	2934.5	3019.4
30°	4260.5	3788.1	3315.4	2991.4	2667.4	2533.4	2580.4	2639.6	2699.0	2769.7	2840.4
32.5°	4312.5	3772.1	3231.4	2897.2	2562.7	2454.7	2475.6	2510.6	2545.7	2602.2	2658.6
35°	4350.6	3742.0	3133.6	2804.5	2475.4	2385.4	2376.7	2386.3	2396.0	2439.1	2482.0
37.5°	4373.3	3690.4	3007.5	2695.4	2383.3	2304.7	2273.0	2262.4	2251.7	2282.6	2313.4
40°	4387.5	3619.3	2851.2	2565.4	2279.4	2208.1	2159.5	2135.3	2111.2	2133.4	2155.7
42.5°	4414.6	3546.0	2677.7	2421.8	2165.8	2100.1	2038.8	2006.8	1974.9	1992.9	2011.3
45°	4462.1	3477.9	2493.7	2269.2	2044.8	1978.1	1918.8	1887.6	1856.6	1871.8	1887.2
47.5°	4494.8	3421.7	2348.5	2148.6	1948.8	1862.8	1811.8	1785.7	1759.5	1774.0	1788.2
50°	4473.5	3360.4	2247.1	2068.6	1889.9	1776.8	1717.6	1694.3	1671.3	1693.7	1716.3
52.5°	4342.2	3256.7	2171.5	2015.8	1860.2	1730.2	1647.3	1624.4	1601.6	1635.3	1668.9
55°	4070.9	3085.0	2099.2	1977.5	1855.8	1734.9	1610.0	1573.7	1537.6	1585.5	1633.1
57.5°	3667.8	2843.0	2018.1	1932.1	1846.2	1739.5	1587.6	1534.8	1482.0	1533.5	1585.0
60°	3127.0	2528.7	1930.4	1862.8	1795.3	1724.9	1566.5	1498.1	1429.7	1474.8	1519.9
62.5°	2517.7	2152.5	1787.3	1742.4	1697.6	1688.9	1542.0	1456.4	1370.9	1399.6	1428.3
65°	1984.5	1814.0	1643.6	1622.4	1601.2	1602.3	1490.2	1399.3	1308.3	1319.4	1330.3
67.5°	1537.2	1488.8	1440.3	1452.1	1463.9	1460.9	1398.0	1322.4	1246.6	1243.1	1239.6
70°	1164.4	1178.2	1192.0	1246.9	1301.6	1301.6	1281.0	1227.1	1173.3	1161.3	1149.3
72.5°	898.2	939.9	981.7	1059.5	1137.3	1150.4	1150.7	1113.7	1076.8	1059.2	1041.7
75°	697.4	735.2	773.2	860.3	947.5	1007.8	1002.7	974.3	945.8	929.0	912.0
77.5°	536.9	562.6	588.6	673.1	757.8	857.1	854.4	831.7	808.8	791.8	774.7
80°	402.5	413.2	423.9	495.6	567.2	685.8	685.4	666.4	647.2	632.9	618.5
82.5°	287.6	289.6	291.6	344.4	397.2	498.6	504.1	494.8	485.4	475.3	465.2
85°	173.9	173.0	172.0	210.6	249.3	324.6	331.9	322.0	311.9	300.6	289.3
87.5°	76.3	75.3	74.4	90.1	106.0	137.2	146.7	142.7	138.6	136.5	134.4
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3320.4	3300.2	3279.9	3259.8	3244.2	3228.4	3215.8	3203.1	3193.3	3183.4	3174.4
5°	3193.8	3158.1	3125.7	3093.2	3068.2	3043.2	3025.7	3008.3	2995.9	2983.5	2974.0
7.5°	3116.2	3071.2	3031.4	2991.9	2962.1	2932.5	2911.8	2891.0	2876.8	2862.6	2854.0
10°	3111.1	3062.5	3017.9	2973.2	2937.8	2902.2	2879.0	2855.5	2842.0	2828.6	2821.4
12.5°	3188.8	3151.0	3104.6	3058.5	3013.2	2967.9	2937.9	2907.9	2892.9	2877.9	2871.7
15°	3326.6	3316.7	3276.6	3236.5	3172.0	3107.5	3061.9	3016.3	2995.4	2974.5	2966.6
17.5°	3459.7	3490.4	3458.0	3425.8	3340.4	3254.9	3187.7	3120.5	3089.6	3058.5	3048.5
20°	3509.1	3573.8	3558.8	3543.7	3446.0	3348.5	3266.1	3183.9	3144.3	3104.5	3091.9
22.5°	3440.3	3524.5	3533.5	3542.4	3449.1	3355.7	3271.0	3186.1	3144.4	3102.6	3088.5
25°	3280.6	3363.4	3394.3	3425.1	3348.6	3272.2	3196.8	3121.6	3085.4	3049.2	3036.0
27.5°	3085.9	3152.3	3186.6	3221.2	3166.6	3112.2	3053.8	2995.3	2971.0	2946.6	2940.5
30°	2895.4	2950.6	2978.5	3006.5	2965.1	2923.5	2881.7	2839.6	2827.2	2814.6	2814.6
32.5°	2711.4	2764.3	2795.4	2826.6	2788.5	2750.2	2716.8	2683.3	2675.1	2667.0	2668.1
35°	2534.3	2586.7	2624.0	2661.3	2634.1	2607.1	2576.1	2545.4	2533.0	2520.7	2518.0
37.5°	2365.5	2417.8	2463.9	2510.0	2497.5	2484.9	2456.5	2428.0	2405.5	2383.1	2371.2
40°	2206.1	2256.4	2309.5	2362.7	2365.8	2368.7	2344.6	2320.5	2287.7	2255.1	2233.1
42.5°	2058.9	2106.8	2164.1	2221.4	2236.8	2252.1	2231.7	2211.4	2170.7	2130.2	2098.0
45°	1932.5	1977.8	2037.3	2096.7	2118.8	2140.8	2122.4	2104.1	2057.6	2011.3	1973.5
47.5°	1832.6	1876.9	1935.5	1994.1	2019.5	2044.8	2032.0	2019.2	1977.8	1936.5	1901.7
50°	1758.1	1799.8	1852.3	1904.9	1937.4	1969.8	1969.1	1968.5	1935.5	1902.4	1870.2
52.5°	1707.2	1745.6	1794.5	1843.6	1882.0	1920.5	1927.5	1934.4	1907.5	1880.6	1851.7
55°	1674.5	1715.8	1758.7	1801.5	1842.3	1883.2	1892.9	1902.4	1878.9	1855.6	1830.2
57.5°	1633.4	1681.9	1724.4	1766.9	1808.1	1849.1	1858.8	1868.6	1844.9	1821.1	1796.1
60°	1575.6	1631.3	1674.3	1717.6	1758.9	1800.2	1810.9	1821.5	1798.4	1775.3	1749.4
62.5°	1493.2	1558.3	1604.2	1650.2	1688.1	1726.0	1736.2	1746.5	1725.6	1704.6	1677.4
65°	1399.9	1469.6	1513.6	1557.6	1590.9	1624.2	1634.8	1645.1	1625.0	1604.9	1578.5
67.5°	1303.9	1368.3	1410.0	1451.6	1480.4	1509.2	1519.5	1529.6	1511.1	1492.7	1468.1
70°	1205.8	1262.3	1298.4	1334.3	1360.3	1386.3	1396.2	1406.0	1390.9	1376.0	1352.5
72.5°	1086.3	1130.7	1163.2	1195.7	1221.2	1246.6	1258.3	1270.1	1257.6	1245.0	1222.6
75°	945.0	978.2	1007.6	1037.1	1060.3	1083.4	1095.7	1108.0	1101.9	1095.7	1077.0
77.5°	801.7	828.4	853.8	879.1	903.5	927.7	939.2	950.7	942.2	933.4	914.4
80°	640.9	663.2	684.5	705.8	724.4	742.7	757.9	773.2	769.4	765.8	740.4
82.5°	463.3	461.5	454.0	446.6	486.1	525.4	551.3	577.2	575.5	573.9	552.4
85°	279.6	269.9	249.3	228.6	265.6	302.6	334.6	366.5	363.9	361.2	344.4
87.5°	134.0	133.6	117.9	102.0	117.5	133.0	146.0	158.9	155.7	152.2	143.7
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3165.2	3153.8	3165.2	3174.4	3183.4	3193.3	3203.1	3215.8	3228.4	3244.2	3259.8
5°	2964.6	2955.3	2964.6	2974.0	2983.5	2995.9	3008.3	3025.7	3043.2	3068.2	3093.2
7.5°	2845.7	2839.2	2845.7	2854.0	2862.6	2876.8	2891.0	2911.8	2932.5	2962.1	2991.9
10°	2814.2	2811.3	2814.2	2821.4	2828.6	2842.0	2855.5	2879.0	2902.2	2937.8	2973.2
12.5°	2865.7	2864.6	2865.7	2871.7	2877.9	2892.9	2907.9	2937.9	2967.9	3013.2	3058.5
15°	2958.6	2957.9	2958.6	2966.6	2974.5	2995.4	3016.3	3061.9	3107.5	3172.0	3236.5
17.5°	3038.1	3036.6	3038.1	3048.5	3058.5	3089.6	3120.5	3187.7	3254.9	3340.4	3425.8
20°	3079.2	3075.2	3079.2	3091.9	3104.5	3144.3	3183.9	3266.1	3348.5	3446.0	3543.7
22.5°	3074.5	3068.5	3074.5	3088.5	3102.6	3144.4	3186.1	3271.0	3355.7	3449.1	3542.4
25°	3022.9	3015.2	3022.9	3036.0	3049.2	3085.4	3121.6	3196.8	3272.2	3348.6	3425.1
27.5°	2934.6	2932.5	2934.6	2940.5	2946.6	2971.0	2995.3	3053.8	3112.2	3166.6	3221.2
30°	2814.6	2816.6	2814.6	2814.6	2814.6	2827.2	2839.6	2881.7	2923.5	2965.1	3006.5
32.5°	2669.3	2671.4	2669.3	2668.1	2667.0	2675.1	2683.3	2716.8	2750.2	2788.5	2826.6
35°	2515.4	2514.0	2515.4	2518.0	2520.7	2533.0	2545.4	2576.1	2607.1	2634.1	2661.3
37.5°	2359.3	2352.7	2359.3	2371.2	2383.1	2405.5	2428.0	2456.5	2484.9	2497.5	2510.0
40°	2211.1	2198.1	2211.1	2233.1	2255.1	2287.7	2320.5	2344.6	2368.7	2365.8	2362.7
42.5°	2065.9	2044.8	2065.9	2098.0	2130.2	2170.7	2211.4	2231.7	2252.1	2236.8	2221.4
45°	1935.7	1911.5	1935.7	1973.5	2011.3	2057.6	2104.1	2122.4	2140.8	2118.8	2096.7
47.5°	1866.8	1843.6	1866.8	1901.7	1936.5	1977.8	2019.2	2032.0	2044.8	2019.5	1994.1
50°	1837.9	1815.5	1837.9	1870.2	1902.4	1935.5	1968.5	1969.1	1969.8	1937.4	1904.9
52.5°	1822.9	1802.2	1822.9	1851.7	1880.6	1907.5	1934.4	1927.5	1920.5	1882.0	1843.6
55°	1804.8	1786.2	1804.8	1830.2	1855.6	1878.9	1902.4	1892.9	1883.2	1842.3	1801.5
57.5°	1770.9	1751.5	1770.9	1796.1	1821.1	1844.9	1868.6	1858.8	1849.1	1808.1	1766.9
60°	1723.5	1703.6	1723.5	1749.4	1775.3	1798.4	1821.5	1810.9	1800.2	1758.9	1717.6
62.5°	1650.2	1626.3	1650.2	1677.4	1704.6	1725.6	1746.5	1736.2	1726.0	1688.1	1650.2
65°	1552.3	1531.6	1552.3	1578.5	1604.9	1625.0	1645.1	1634.8	1624.2	1590.9	1557.6
67.5°	1443.6	1425.0	1443.6	1468.1	1492.7	1511.1	1529.6	1519.5	1509.2	1480.4	1451.6
70°	1329.0	1307.7	1329.0	1352.5	1376.0	1390.9	1406.0	1396.2	1386.3	1360.3	1334.3
72.5°	1200.4	1179.7	1200.4	1222.6	1245.0	1257.6	1270.1	1258.3	1246.6	1221.2	1195.7
75°	1058.1	1038.4	1058.1	1077.0	1095.7	1101.9	1108.0	1095.7	1083.4	1060.3	1037.1
77.5°	895.5	879.8	895.5	914.4	933.4	942.2	950.7	939.2	927.7	903.5	879.1
80°	714.7	685.1	714.7	740.4	765.8	769.4	773.2	757.9	742.7	724.4	705.8
82.5°	530.7	511.9	530.7	552.4	573.9	575.5	577.2	551.3	525.4	486.1	446.6
85°	327.7	310.6	327.7	344.4	361.2	363.9	366.5	334.6	302.6	265.6	228.6
87.5°	134.9	126.6	134.9	143.7	152.2	155.7	158.9	146.0	133.0	117.5	102.0
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3279.9	3300.2	3320.4	3340.5	3363.4	3386.5	3411.9	3437.5	3469.1	3497.5	3526.8
5°	3125.7	3158.1	3193.8	3229.6	3270.0	3310.4	3358.8	3407.1	3462.4	3518.4	3577.8
7.5°	3031.4	3071.2	3116.2	3161.2	3214.5	3267.8	3332.0	3396.1	3467.8	3544.1	3627.0
10°	3017.9	3062.5	3111.1	3159.5	3212.8	3266.1	3333.8	3401.6	3478.4	3572.6	3670.7
12.5°	3104.6	3151.0	3188.8	3226.9	3262.1	3297.5	3352.8	3408.2	3479.8	3578.8	3689.6
15°	3276.6	3316.7	3326.6	3336.5	3331.7	3326.8	3353.3	3379.8	3437.1	3546.8	3675.0
17.5°	3458.0	3490.4	3459.7	3428.7	3370.6	3312.5	3302.9	3293.1	3328.5	3457.5	3611.7
20°	3558.8	3573.8	3509.1	3444.4	3343.4	3242.5	3197.2	3151.9	3161.2	3311.4	3502.5
22.5°	3533.5	3524.5	3440.3	3356.2	3240.7	3125.6	3058.5	2991.5	2973.2	3144.3	3374.5
25°	3394.3	3363.4	3280.6	3197.8	3094.2	2990.5	2913.3	2836.0	2786.6	2961.9	3231.4
27.5°	3186.6	3152.3	3085.9	3019.4	2934.5	2849.3	2774.6	2700.0	2640.0	2799.6	3100.6
30°	2978.5	2950.6	2895.4	2840.4	2769.7	2699.0	2639.6	2580.4	2533.4	2667.4	2991.4
32.5°	2795.4	2764.3	2711.4	2658.6	2602.2	2545.7	2510.6	2475.6	2454.7	2562.7	2897.2
35°	2624.0	2586.7	2534.3	2482.0	2439.1	2396.0	2386.3	2376.7	2385.4	2475.4	2804.5
37.5°	2463.9	2417.8	2365.5	2313.4	2282.6	2251.7	2262.4	2273.0	2304.7	2383.3	2695.4
40°	2309.5	2256.4	2206.1	2155.7	2133.4	2111.2	2135.3	2159.5	2208.1	2279.4	2565.4
42.5°	2164.1	2106.8	2058.9	2011.3	1992.9	1974.9	2006.8	2038.8	2100.1	2165.8	2421.8
45°	2037.3	1977.8	1932.5	1887.2	1871.8	1856.6	1887.6	1918.8	1978.1	2044.8	2269.2
47.5°	1935.5	1876.9	1832.6	1788.2	1774.0	1759.5	1785.7	1811.8	1862.8	1948.8	2148.6
50°	1852.3	1799.8	1758.1	1716.3	1693.7	1671.3	1694.3	1717.6	1776.8	1889.9	2068.6
52.5°	1794.5	1745.6	1707.2	1668.9	1635.3	1601.6	1624.4	1647.3	1730.2	1860.2	2015.8
55°	1758.7	1715.8	1674.5	1633.1	1585.5	1537.6	1573.7	1610.0	1734.9	1855.8	1977.5
57.5°	1724.4	1681.9	1633.4	1585.0	1533.5	1482.0	1534.8	1587.6	1739.5	1846.2	1932.1
60°	1674.3	1631.3	1575.6	1519.9	1474.8	1429.7	1498.1	1566.5	1724.9	1795.3	1862.8
62.5°	1604.2	1558.3	1493.2	1428.3	1399.6	1370.9	1456.4	1542.0	1688.9	1697.6	1742.4
65°	1513.6	1469.6	1399.9	1330.3	1319.4	1308.3	1399.3	1490.2	1602.3	1601.2	1622.4
67.5°	1410.0	1368.3	1303.9	1239.6	1243.1	1246.6	1322.4	1398.0	1460.9	1463.9	1452.1
70°	1298.4	1262.3	1205.8	1149.3	1161.3	1173.3	1227.1	1281.0	1301.6	1301.6	1246.9
72.5°	1163.2	1130.7	1086.3	1041.7	1059.2	1076.8	1113.7	1150.7	1150.4	1137.3	1059.5
75°	1007.6	978.2	945.0	912.0	929.0	945.8	974.3	1002.7	1007.8	947.5	860.3
77.5°	853.8	828.4	801.7	774.7	791.8	808.8	831.7	854.4	857.1	757.8	673.1
80°	684.5	663.2	640.9	618.5	632.9	647.2	666.4	685.4	685.8	567.2	495.6
82.5°	454.0	461.5	463.3	465.2	475.3	485.4	494.8	504.1	498.6	397.2	344.4
85°	249.3	269.9	279.6	289.3	300.6	311.9	322.0	331.9	324.6	249.3	210.6
87.5°	117.9	133.6	134.0	134.4	136.5	138.6	142.7	146.7	137.2	106.0	90.1
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: P968376

CATALOG NUMBER: NAV-SB5B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7	3473.7
2.5°	3556.1	3586.8	3617.4	3647.9	3678.4	3707.0	3735.7
5°	3637.0	3700.5	3764.1	3827.1	3890.3	3953.6	4017.0
7.5°	3709.7	3803.7	3897.7	3994.1	4090.7	4195.0	4299.6
10°	3768.6	3882.9	3997.0	4124.4	4252.0	4384.0	4516.2
12.5°	3800.4	3935.0	4069.6	4214.1	4358.6	4503.6	4648.8
15°	3803.3	3958.3	4113.3	4270.0	4426.9	4578.2	4729.5
17.5°	3766.0	3945.9	4125.8	4296.9	4467.9	4621.3	4774.8
20°	3693.7	3911.8	4129.8	4317.8	4505.8	4665.3	4824.8
22.5°	3604.6	3869.9	4135.2	4346.1	4556.8	4719.8	4882.7
25°	3501.1	3828.6	4156.3	4397.2	4638.1	4797.7	4957.4
27.5°	3401.8	3801.0	4200.2	4477.2	4754.1	4906.5	5058.7
30°	3315.4	3788.1	4260.5	4580.8	4901.1	5048.1	5195.3
32.5°	3231.4	3772.1	4312.5	4689.0	5065.3	5210.9	5356.6
35°	3133.6	3742.0	4350.6	4812.1	5273.5	5413.1	5552.5
37.5°	3007.5	3690.4	4373.3	4950.0	5526.8	5704.6	5882.5
40°	2851.2	3619.3	4387.5	5125.2	5862.7	6121.9	6381.0
42.5°	2677.7	3546.0	4414.6	5354.3	6294.1	6668.1	7042.2
45°	2493.7	3477.9	4462.1	5655.8	6849.6	7354.1	7858.6
47.5°	2348.5	3421.7	4494.8	5977.1	7459.4	8169.6	8879.7
50°	2247.1	3360.4	4473.5	6275.2	8076.8	9147.5	10218.0
52.5°	2171.5	3256.7	4342.2	6468.7	8595.1	10174.7	11754.3
55°	2099.2	3085.0	4070.9	6426.0	8781.1	11085.4	13389.9
57.5°	2018.1	2843.0	3667.8	6125.9	8584.2	11730.8	14877.5
60°	1930.4	2528.7	3127.0	5567.2	8007.5	11892.2	15776.6
62.5°	1787.3	2152.5	2517.7	4811.9	7105.9	11213.0	15320.1
65°	1643.6	1814.0	1984.5	4041.1	6097.7	10252.0	14406.3
67.5°	1440.3	1488.8	1537.2	3286.0	5035.0	9108.5	13181.9
70°	1192.0	1178.2	1164.4	2587.3	4010.3	7860.6	11710.9
72.5°	981.7	939.9	898.2	1978.0	3057.9	6507.9	9958.1
75°	773.2	735.2	697.4	1435.6	2173.8	4957.2	7740.7
77.5°	588.6	562.6	536.9	972.8	1408.7	3469.6	5530.6
80°	423.9	413.2	402.5	626.8	851.2	2235.4	3619.7
82.5°	291.6	289.6	287.6	385.5	483.6	1293.8	2104.1
85°	172.0	173.0	173.9	206.1	238.3	582.0	925.8
87.5°	74.4	75.3	76.3	85.5	94.6	190.6	286.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)