

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1067835

Luminaire Tested: **NAV-SA4C-830-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067835
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-830-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15084.5 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

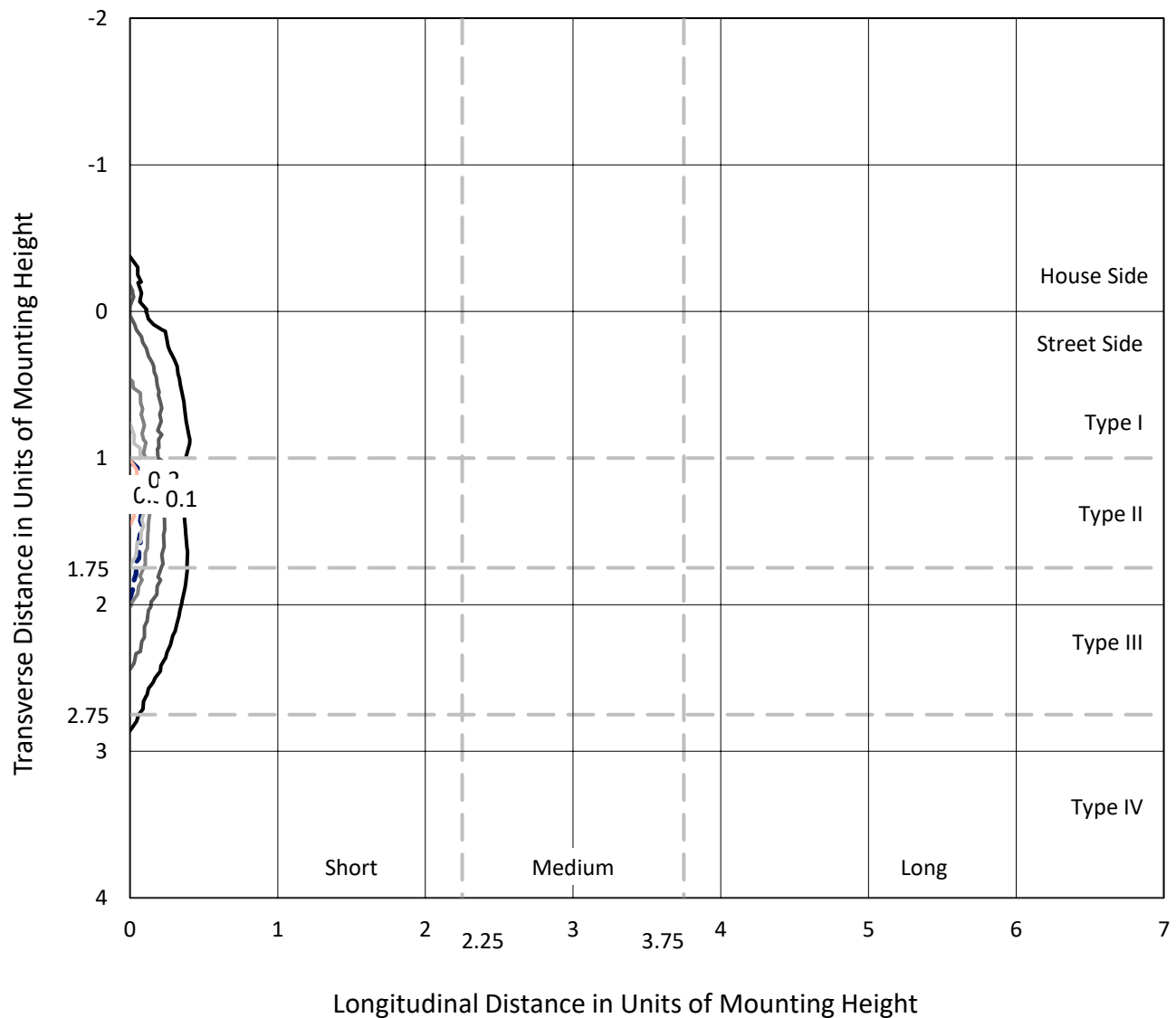


REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

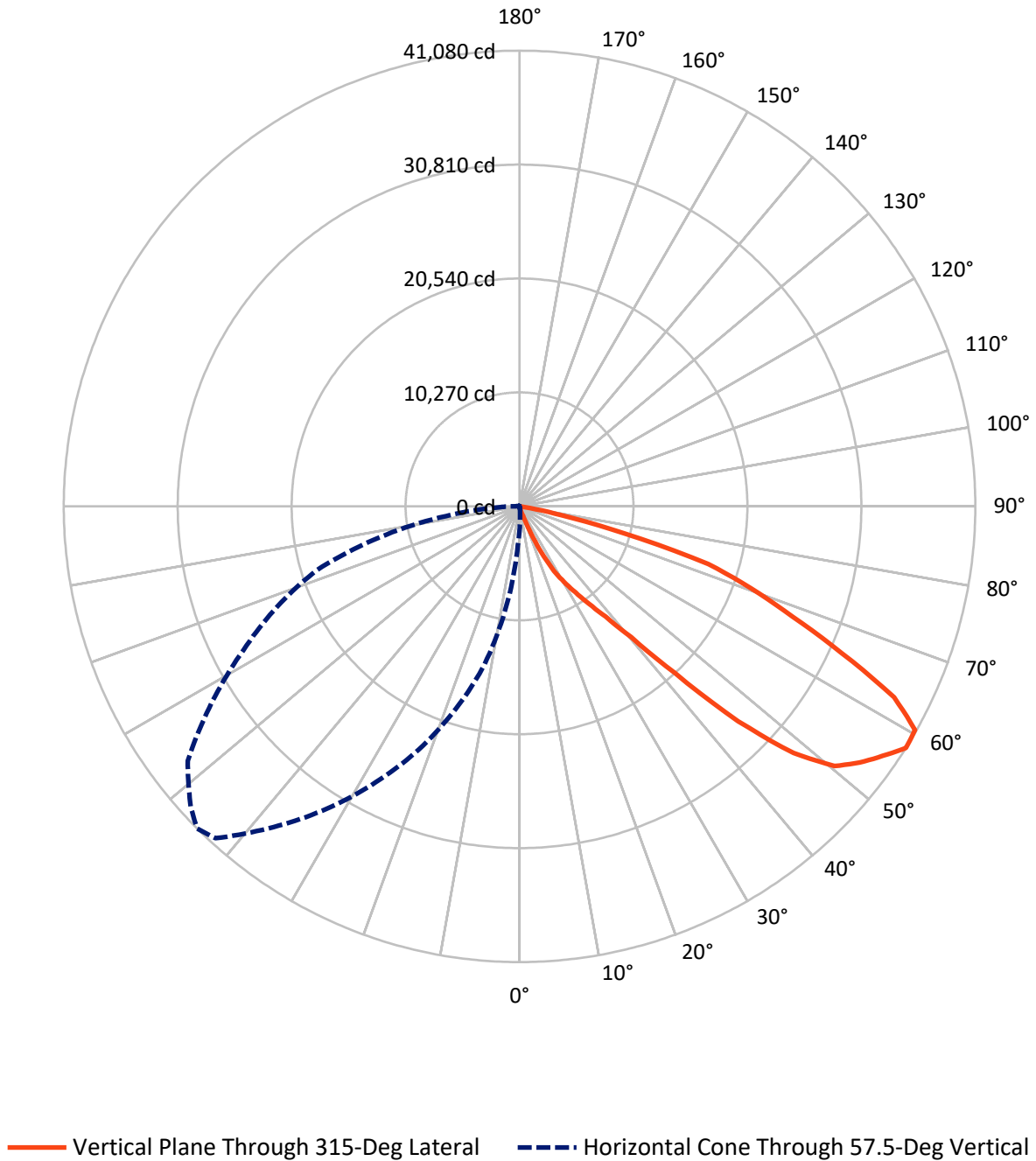


Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.7	0.0	89.7
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	14994.8	0.0	14994.8
	% Fixture	99.4	0.0	99.4
Total	Lumens	15084.5	0.0	15084.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	22.1	0.1
20°-30°	281.5	1.9
30°-40°	948.9	6.3
40°-50°	2865.6	19.0
50°-60°	5055.8	33.5
60°-70°	4454.2	29.5
70°-80°	1417.9	9.4
80°-90°	34.1	0.2
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°	15084.5	100.0
0°-180°	15084.5	100.0



REPORT NUMBER: P1067835

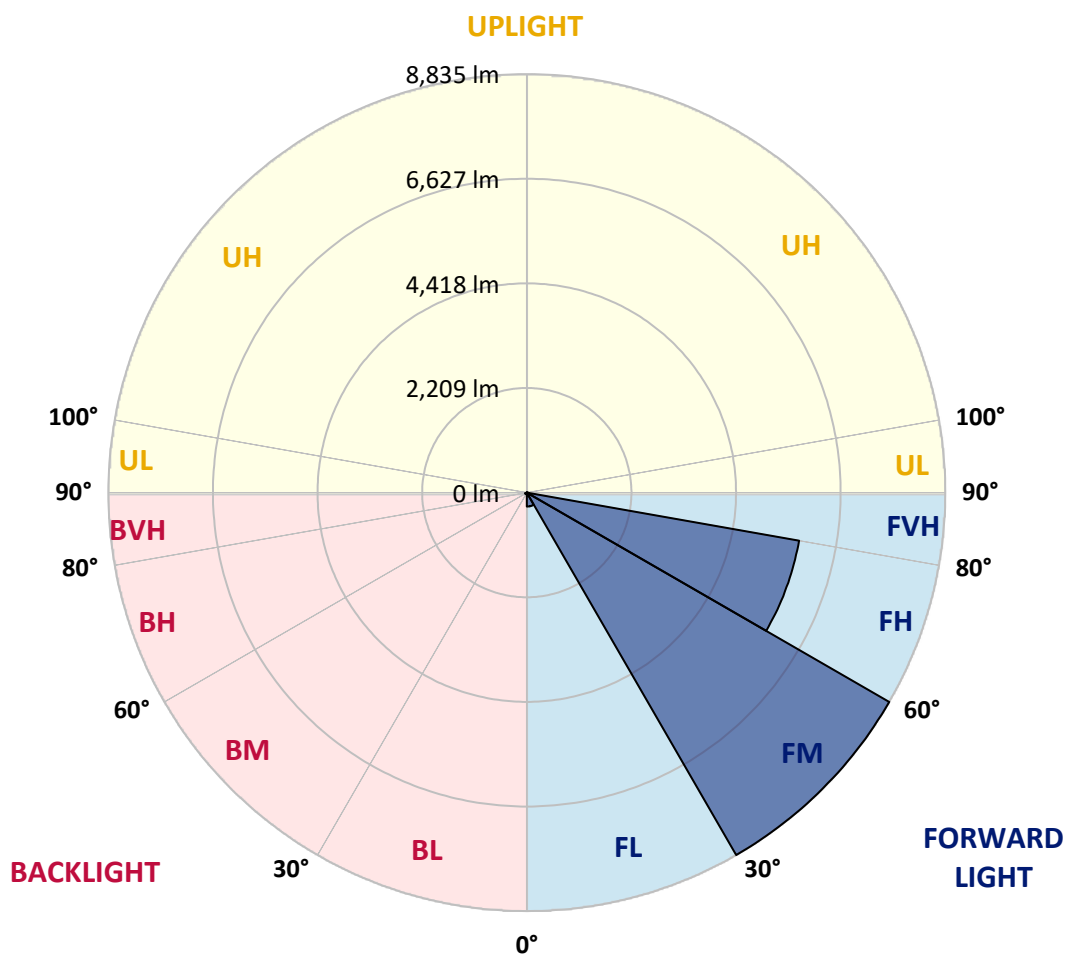
CATALOG NUMBER: NAV-SA4C-830-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.7	2.0			
FM	(30°-60°)	8835.5	58.6			
FH	(60°-80°)	5836.9	38.7			G3/7500
FVH	(80°-90°)	27.8	0.2			G1/100
BL	(0°-30°)	13.5	0.1	B0/110		
BM	(30°-60°)	34.8	0.2	B0/220		
BH	(60°-80°)	35.2	0.2	B0/110		G0/110
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	33.1
5°	47.3	47.3	47.3	42.6	42.6	42.6	37.8	37.8	37.8	37.8	37.8
7.5°	56.8	52.0	52.0	47.3	47.3	47.3	42.6	42.6	42.6	42.6	37.8
10°	66.2	61.5	61.5	56.8	56.8	52.0	52.0	47.3	47.3	42.6	42.6
12.5°	75.7	71.0	66.2	61.5	61.5	56.8	56.8	52.0	52.0	47.3	47.3
15°	85.1	80.4	75.7	71.0	66.2	66.2	61.5	56.8	52.0	52.0	47.3
17.5°	99.3	89.9	85.1	75.7	71.0	66.2	61.5	56.8	56.8	52.0	52.0
20°	104.1	94.6	89.9	80.4	75.7	71.0	66.2	61.5	56.8	56.8	52.0
22.5°	123.0	104.1	99.3	89.9	85.1	80.4	71.0	66.2	61.5	56.8	52.0
25°	151.4	123.0	108.8	94.6	89.9	80.4	75.7	66.2	61.5	56.8	52.0
27.5°	184.5	137.2	123.0	104.1	94.6	85.1	75.7	66.2	61.5	56.8	52.0
30°	227.1	160.8	137.2	113.5	104.1	94.6	80.4	71.0	66.2	61.5	52.0
32.5°	316.9	198.7	160.8	123.0	108.8	99.3	85.1	71.0	66.2	61.5	52.0
35°	383.2	241.3	194.0	141.9	123.0	108.8	89.9	71.0	66.2	61.5	52.0
37.5°	444.7	246.0	198.7	151.4	132.5	113.5	89.9	71.0	66.2	61.5	52.0
40°	544.0	255.4	198.7	141.9	127.7	108.8	94.6	75.7	71.0	61.5	56.8
42.5°	733.2	293.3	212.9	132.5	118.3	108.8	94.6	80.4	71.0	66.2	56.8
45°	1220.5	435.2	288.6	137.2	123.0	108.8	94.6	80.4	75.7	66.2	61.5
47.5°	2076.7	756.9	449.4	141.9	127.7	108.8	94.6	75.7	71.0	66.2	56.8
50°	2658.5	969.8	567.7	165.6	141.9	123.0	99.3	75.7	71.0	66.2	61.5
52.5°	2824.1	1031.2	615.0	194.0	165.6	137.2	104.1	75.7	71.0	71.0	66.2
55°	2587.6	1002.9	615.0	227.1	189.2	156.1	118.3	80.4	75.7	75.7	71.0
57.5°	2199.7	927.2	586.6	246.0	208.1	165.6	127.7	85.1	80.4	80.4	75.7
60°	1811.8	780.5	529.8	274.4	231.8	189.2	146.6	104.1	99.3	94.6	85.1
62.5°	1438.1	629.2	463.6	293.3	250.7	203.4	160.8	113.5	108.8	104.1	99.3
65°	1083.3	548.7	430.5	307.5	260.2	212.9	165.6	118.3	113.5	113.5	108.8
67.5°	832.6	501.4	411.6	316.9	269.6	222.3	175.0	127.7	123.0	118.3	113.5
70°	657.5	463.6	387.9	312.2	269.6	227.1	179.8	137.2	127.7	123.0	113.5
72.5°	548.7	421.0	359.5	298.0	264.9	231.8	198.7	165.6	146.6	132.5	113.5
75°	458.9	378.4	326.4	269.6	246.0	227.1	203.4	179.8	156.1	132.5	108.8
77.5°	302.8	274.4	250.7	227.1	212.9	198.7	179.8	165.6	141.9	123.0	99.3
80°	127.7	118.3	123.0	123.0	123.0	123.0	118.3	118.3	104.1	89.9	71.0
82.5°	28.4	23.7	28.4	28.4	28.4	28.4	23.7	23.7	23.7	18.9	18.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
5°	37.8	37.8	37.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
7.5°	37.8	37.8	37.8	33.1	33.1	33.1	33.1	28.4	28.4	28.4	28.4
10°	37.8	37.8	37.8	33.1	33.1	33.1	33.1	28.4	28.4	28.4	28.4
12.5°	42.6	42.6	37.8	37.8	33.1	33.1	33.1	28.4	28.4	28.4	28.4
15°	42.6	42.6	37.8	37.8	33.1	33.1	33.1	28.4	28.4	28.4	28.4
17.5°	47.3	42.6	42.6	37.8	33.1	33.1	33.1	28.4	28.4	28.4	28.4
20°	47.3	42.6	42.6	37.8	33.1	33.1	33.1	28.4	28.4	28.4	28.4
22.5°	47.3	42.6	42.6	37.8	33.1	33.1	28.4	28.4	23.7	23.7	18.9
25°	47.3	42.6	42.6	37.8	33.1	33.1	28.4	28.4	23.7	18.9	18.9
27.5°	47.3	42.6	42.6	37.8	33.1	28.4	28.4	23.7	18.9	14.2	14.2
30°	47.3	42.6	42.6	37.8	33.1	28.4	23.7	18.9	14.2	14.2	9.5
32.5°	47.3	42.6	37.8	33.1	28.4	23.7	23.7	18.9	14.2	9.5	9.5
35°	47.3	42.6	37.8	33.1	28.4	23.7	23.7	18.9	14.2	9.5	9.5
37.5°	47.3	42.6	37.8	33.1	28.4	23.7	18.9	14.2	9.5	9.5	4.7
40°	47.3	42.6	37.8	33.1	28.4	23.7	18.9	14.2	9.5	9.5	4.7
42.5°	47.3	42.6	37.8	33.1	28.4	23.7	18.9	14.2	9.5	9.5	4.7
45°	52.0	47.3	42.6	33.1	28.4	23.7	23.7	18.9	14.2	9.5	9.5
47.5°	52.0	47.3	42.6	33.1	28.4	23.7	23.7	18.9	14.2	9.5	9.5
50°	56.8	52.0	47.3	37.8	33.1	28.4	23.7	14.2	9.5	9.5	4.7
52.5°	61.5	56.8	52.0	47.3	42.6	33.1	23.7	14.2	4.7	4.7	4.7
55°	66.2	61.5	61.5	56.8	52.0	37.8	28.4	14.2	0.0	0.0	0.0
57.5°	71.0	66.2	66.2	61.5	56.8	42.6	28.4	14.2	0.0	0.0	0.0
60°	80.4	75.7	71.0	61.5	56.8	42.6	28.4	14.2	0.0	0.0	0.0
62.5°	94.6	85.1	71.0	61.5	47.3	37.8	23.7	14.2	0.0	0.0	0.0
65°	104.1	89.9	75.7	56.8	42.6	33.1	23.7	9.5	0.0	0.0	0.0
67.5°	108.8	89.9	75.7	56.8	37.8	28.4	18.9	9.5	0.0	0.0	0.0
70°	104.1	85.1	71.0	52.0	33.1	23.7	18.9	9.5	0.0	0.0	0.0
72.5°	94.6	80.4	61.5	47.3	28.4	23.7	14.2	9.5	0.0	0.0	0.0
75°	85.1	71.0	52.0	37.8	18.9	14.2	9.5	4.7	0.0	0.0	0.0
77.5°	75.7	61.5	42.6	28.4	9.5	9.5	4.7	4.7	0.0	0.0	0.0
80°	56.8	42.6	28.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	9.5	9.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
5°	28.4	28.4	28.4	28.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7
7.5°	28.4	28.4	28.4	28.4	23.7	23.7	23.7	23.7	18.9	18.9	18.9
10°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	18.9	18.9	18.9
12.5°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	18.9	18.9	18.9
15°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	18.9	18.9	14.2	14.2
17.5°	23.7	23.7	23.7	23.7	18.9	18.9	18.9	14.2	14.2	9.5	9.5
20°	23.7	23.7	23.7	18.9	18.9	14.2	14.2	9.5	9.5	4.7	4.7
22.5°	18.9	14.2	14.2	9.5	9.5	4.7	4.7	4.7	0.0	0.0	0.0
25°	14.2	9.5	9.5	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	9.5	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	9.5	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	28.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
5°	23.7	23.7	23.7	23.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9
7.5°	18.9	18.9	18.9	18.9	18.9	18.9	14.2	14.2	14.2	14.2	14.2
10°	18.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	9.5	9.5
12.5°	18.9	14.2	14.2	14.2	9.5	9.5	9.5	9.5	9.5	4.7	4.7
15°	14.2	9.5	9.5	9.5	4.7	4.7	4.7	4.7	4.7	0.0	0.0
17.5°	9.5	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	28.4	28.4
5°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
7.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
10°	9.5	9.5	9.5	9.5	9.5	9.5	4.7	4.7	4.7	4.7	4.7
12.5°	4.7	4.7	4.7	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	28.4	28.4	28.4	28.4	28.4	33.1	33.1	37.8	37.8	42.6	42.6
5°	18.9	18.9	23.7	23.7	23.7	23.7	28.4	28.4	28.4	33.1	33.1
7.5°	14.2	14.2	14.2	14.2	14.2	18.9	18.9	23.7	23.7	28.4	28.4
10°	4.7	4.7	9.5	9.5	9.5	9.5	14.2	14.2	14.2	18.9	23.7
12.5°	0.0	0.0	4.7	4.7	4.7	4.7	9.5	9.5	9.5	14.2	18.9
15°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	9.5	14.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	9.5
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	47.3	47.3	52.0	52.0	56.8	56.8	61.5	61.5	61.5	61.5	61.5
5°	37.8	37.8	42.6	47.3	47.3	52.0	56.8	56.8	56.8	56.8	56.8
7.5°	33.1	33.1	37.8	42.6	42.6	47.3	52.0	52.0	56.8	56.8	56.8
10°	23.7	28.4	33.1	37.8	37.8	42.6	47.3	47.3	52.0	52.0	52.0
12.5°	18.9	23.7	28.4	33.1	33.1	37.8	42.6	42.6	47.3	47.3	52.0
15°	14.2	18.9	23.7	28.4	28.4	33.1	37.8	37.8	42.6	47.3	52.0
17.5°	9.5	14.2	18.9	23.7	23.7	28.4	33.1	37.8	42.6	42.6	47.3
20°	9.5	9.5	14.2	18.9	18.9	23.7	28.4	33.1	37.8	37.8	42.6
22.5°	4.7	4.7	9.5	14.2	14.2	18.9	23.7	28.4	33.1	33.1	37.8
25°	0.0	0.0	4.7	9.5	9.5	14.2	18.9	18.9	23.7	23.7	28.4
27.5°	0.0	0.0	4.7	4.7	9.5	9.5	14.2	14.2	18.9	18.9	23.7
30°	0.0	0.0	4.7	4.7	9.5	9.5	14.2	14.2	18.9	18.9	18.9
32.5°	0.0	0.0	0.0	4.7	4.7	4.7	9.5	9.5	14.2	14.2	18.9
35°	0.0	0.0	0.0	4.7	4.7	4.7	9.5	9.5	14.2	14.2	14.2
37.5°	0.0	0.0	0.0	4.7	4.7	4.7	9.5	9.5	9.5	9.5	14.2
40°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
45°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	9.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	61.5	61.5
5°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	56.8	56.8
7.5°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	56.8	56.8
10°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
12.5°	52.0	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
15°	52.0	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
17.5°	47.3	52.0	52.0	52.0	56.8	56.8	56.8	56.8	56.8	56.8	56.8
20°	42.6	47.3	47.3	47.3	52.0	52.0	52.0	52.0	56.8	56.8	56.8
22.5°	37.8	42.6	42.6	42.6	47.3	47.3	47.3	47.3	52.0	52.0	52.0
25°	33.1	33.1	37.8	37.8	42.6	42.6	42.6	42.6	42.6	42.6	42.6
27.5°	23.7	28.4	28.4	28.4	33.1	33.1	33.1	33.1	37.8	37.8	37.8
30°	23.7	23.7	23.7	23.7	28.4	28.4	28.4	28.4	33.1	33.1	33.1
32.5°	18.9	23.7	23.7	23.7	28.4	28.4	28.4	28.4	33.1	33.1	33.1
35°	18.9	18.9	18.9	18.9	23.7	23.7	23.7	23.7	28.4	28.4	28.4
37.5°	14.2	18.9	18.9	18.9	23.7	23.7	23.7	23.7	28.4	28.4	28.4
40°	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9	23.7	23.7	23.7
42.5°	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9	23.7	23.7	23.7
45°	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9	23.7	23.7	23.7
47.5°	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9	23.7	23.7	23.7
50°	14.2	14.2	14.2	14.2	18.9	18.9	18.9	18.9	23.7	23.7	23.7
52.5°	9.5	9.5	9.5	9.5	14.2	14.2	14.2	14.2	18.9	18.9	18.9
55°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	14.2	14.2	14.2
57.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	14.2	14.2	14.2
60°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	4.7	4.7
67.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
70°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
72.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
75°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
80°	14.2	14.2	14.2	14.2	14.2	9.5	9.5	9.5	9.5	9.5	9.5
82.5°	9.5	14.2	14.2	14.2	14.2	9.5	9.5	9.5	9.5	9.5	9.5
85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
87.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	61.5	61.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	61.5	61.5
5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	61.5	61.5
7.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	61.5	61.5
10°	56.8	56.8	56.8	56.8	52.0	52.0	56.8	56.8	56.8	61.5	61.5
12.5°	56.8	56.8	56.8	56.8	52.0	52.0	56.8	56.8	61.5	61.5	66.2
15°	56.8	56.8	52.0	52.0	52.0	52.0	56.8	56.8	61.5	61.5	66.2
17.5°	56.8	56.8	52.0	52.0	52.0	52.0	56.8	56.8	61.5	61.5	66.2
20°	56.8	56.8	52.0	52.0	52.0	52.0	52.0	52.0	56.8	61.5	61.5
22.5°	52.0	52.0	52.0	52.0	47.3	47.3	52.0	52.0	56.8	61.5	61.5
25°	42.6	47.3	47.3	47.3	47.3	47.3	52.0	52.0	56.8	61.5	61.5
27.5°	37.8	42.6	42.6	42.6	42.6	47.3	47.3	52.0	56.8	61.5	61.5
30°	33.1	37.8	37.8	37.8	42.6	47.3	47.3	52.0	56.8	61.5	61.5
32.5°	33.1	37.8	37.8	37.8	42.6	42.6	47.3	47.3	52.0	56.8	61.5
35°	33.1	33.1	37.8	37.8	37.8	42.6	42.6	47.3	52.0	56.8	61.5
37.5°	33.1	33.1	37.8	37.8	37.8	42.6	42.6	47.3	52.0	56.8	61.5
40°	28.4	33.1	33.1	37.8	37.8	42.6	42.6	47.3	52.0	61.5	66.2
42.5°	28.4	28.4	33.1	33.1	37.8	42.6	42.6	47.3	52.0	61.5	66.2
45°	28.4	33.1	33.1	37.8	42.6	47.3	47.3	52.0	56.8	61.5	66.2
47.5°	28.4	33.1	33.1	37.8	47.3	47.3	52.0	52.0	56.8	61.5	66.2
50°	28.4	33.1	33.1	37.8	52.0	52.0	52.0	52.0	56.8	61.5	66.2
52.5°	23.7	28.4	28.4	33.1	42.6	47.3	52.0	56.8	61.5	66.2	71.0
55°	18.9	23.7	23.7	28.4	37.8	42.6	52.0	61.5	66.2	71.0	75.7
57.5°	18.9	18.9	23.7	23.7	33.1	42.6	56.8	66.2	71.0	75.7	80.4
60°	14.2	14.2	18.9	18.9	28.4	37.8	52.0	66.2	71.0	80.4	85.1
62.5°	9.5	14.2	14.2	18.9	23.7	37.8	52.0	66.2	75.7	85.1	89.9
65°	9.5	9.5	14.2	14.2	23.7	33.1	47.3	56.8	71.0	85.1	99.3
67.5°	14.2	14.2	18.9	18.9	23.7	33.1	47.3	56.8	71.0	89.9	104.1
70°	14.2	14.2	18.9	18.9	28.4	37.8	47.3	56.8	71.0	89.9	104.1
72.5°	14.2	14.2	18.9	18.9	28.4	33.1	42.6	52.0	66.2	80.4	94.6
75°	9.5	14.2	14.2	14.2	23.7	28.4	37.8	47.3	61.5	75.7	89.9
77.5°	9.5	9.5	9.5	9.5	18.9	23.7	33.1	37.8	52.0	66.2	80.4
80°	9.5	9.5	9.5	9.5	14.2	18.9	28.4	33.1	47.3	61.5	75.7
82.5°	9.5	9.5	4.7	4.7	9.5	14.2	18.9	23.7	37.8	47.3	61.5
85°	9.5	9.5	4.7	4.7	4.7	9.5	9.5	14.2	18.9	23.7	28.4
87.5°	9.5	9.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	61.5	61.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
5°	61.5	66.2	66.2	71.0	71.0	71.0	75.7	75.7	75.7	75.7	75.7
7.5°	61.5	66.2	66.2	71.0	71.0	71.0	75.7	75.7	75.7	80.4	80.4
10°	61.5	66.2	66.2	71.0	71.0	75.7	80.4	80.4	85.1	85.1	85.1
12.5°	66.2	71.0	71.0	75.7	75.7	80.4	85.1	85.1	89.9	94.6	94.6
15°	66.2	71.0	75.7	75.7	80.4	85.1	89.9	89.9	94.6	99.3	104.1
17.5°	66.2	71.0	75.7	75.7	80.4	85.1	94.6	99.3	104.1	113.5	118.3
20°	66.2	71.0	75.7	75.7	80.4	89.9	94.6	104.1	108.8	118.3	127.7
22.5°	66.2	71.0	75.7	80.4	85.1	94.6	104.1	108.8	118.3	132.5	141.9
25°	66.2	71.0	75.7	80.4	85.1	94.6	104.1	113.5	123.0	141.9	160.8
27.5°	66.2	71.0	80.4	85.1	89.9	99.3	113.5	123.0	132.5	165.6	198.7
30°	66.2	71.0	80.4	85.1	89.9	104.1	118.3	127.7	141.9	198.7	250.7
32.5°	66.2	75.7	80.4	89.9	94.6	108.8	127.7	141.9	156.1	236.5	312.2
35°	66.2	75.7	80.4	89.9	94.6	113.5	132.5	151.4	170.3	288.6	406.8
37.5°	66.2	75.7	80.4	89.9	94.6	123.0	151.4	179.8	208.1	331.1	454.1
40°	71.0	80.4	85.1	94.6	99.3	127.7	156.1	184.5	212.9	335.9	458.9
42.5°	71.0	80.4	85.1	94.6	99.3	123.0	151.4	175.0	198.7	335.9	473.0
45°	71.0	80.4	89.9	94.6	104.1	127.7	151.4	170.3	194.0	369.0	539.3
47.5°	71.0	80.4	89.9	94.6	104.1	127.7	151.4	175.0	198.7	487.2	771.1
50°	71.0	80.4	89.9	94.6	104.1	132.5	160.8	189.2	217.6	728.5	1239.4
52.5°	75.7	80.4	89.9	94.6	99.3	132.5	165.6	198.7	231.8	946.1	1655.7
55°	80.4	85.1	89.9	94.6	99.3	141.9	184.5	227.1	269.6	1017.1	1759.7
57.5°	85.1	89.9	94.6	94.6	99.3	151.4	208.1	260.2	312.2	1012.3	1707.7
60°	89.9	94.6	99.3	104.1	108.8	160.8	217.6	269.6	321.7	917.7	1513.8
62.5°	99.3	108.8	118.3	123.0	132.5	184.5	231.8	283.8	331.1	752.1	1168.4
65°	113.5	123.0	127.7	137.2	141.9	189.2	241.3	288.6	335.9	624.4	908.3
67.5°	118.3	127.7	132.5	141.9	146.6	194.0	241.3	288.6	335.9	529.8	719.0
70°	118.3	127.7	137.2	141.9	151.4	198.7	241.3	288.6	331.1	458.9	586.6
72.5°	108.8	123.0	132.5	146.6	156.1	198.7	236.5	279.1	316.9	406.8	496.7
75°	104.1	123.0	137.2	156.1	170.3	198.7	231.8	260.2	288.6	354.8	421.0
77.5°	94.6	118.3	141.9	165.6	189.2	208.1	222.3	241.3	255.4	298.0	340.6
80°	89.9	113.5	137.2	160.8	184.5	194.0	198.7	208.1	212.9	217.6	222.3
82.5°	71.0	89.9	108.8	123.0	141.9	132.5	127.7	118.3	108.8	104.1	99.3
85°	33.1	37.8	37.8	42.6	42.6	42.6	37.8	37.8	33.1	28.4	23.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	66.2	66.2	66.2	66.2	61.5	61.5	61.5	61.5	56.8	56.8	56.8
5°	75.7	75.7	75.7	75.7	71.0	71.0	71.0	71.0	66.2	66.2	66.2
7.5°	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
10°	89.9	89.9	89.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
12.5°	99.3	99.3	104.1	104.1	108.8	108.8	113.5	113.5	118.3	118.3	118.3
15°	108.8	113.5	118.3	123.0	123.0	127.7	132.5	137.2	141.9	146.6	151.4
17.5°	127.7	132.5	141.9	151.4	160.8	170.3	184.5	203.4	217.6	231.8	250.7
20°	141.9	156.1	184.5	217.6	246.0	274.4	345.3	416.3	487.2	558.2	629.2
22.5°	170.3	198.7	293.3	392.6	487.2	581.9	804.2	1026.5	1244.1	1466.5	1665.1
25°	227.1	288.6	506.2	723.8	936.6	1154.2	1551.6	1953.7	2351.1	2748.4	3117.4
27.5°	312.2	425.7	780.5	1140.0	1494.8	1849.6	2426.7	3008.6	3585.7	4167.6	4683.2
30°	435.2	619.7	1149.5	1684.1	2213.9	2743.7	3472.2	4205.4	4933.9	5662.4	6135.4
32.5°	591.3	865.7	1537.4	2209.1	2880.9	3552.6	4356.8	5161.0	5960.4	6764.6	7266.0
35°	756.9	1106.9	1915.8	2729.5	3538.4	4352.1	5198.8	6045.6	6892.3	7739.1	8354.0
37.5°	851.5	1248.8	2209.1	3169.4	4125.0	5085.3	6012.5	6944.4	7871.5	8798.7	9546.1
40°	941.4	1419.1	2526.1	3633.0	4740.0	5846.9	6930.2	8013.5	9096.7	10180.0	11140.3
42.5°	1073.8	1674.6	2966.0	4257.4	5544.1	6835.6	8259.4	9688.0	11111.9	12535.8	14011.7
45°	1348.2	2157.1	3831.7	5506.3	7176.2	8850.7	10870.7	12895.3	14915.2	16939.9	18832.1
47.5°	2010.5	3245.1	5529.9	7814.8	10099.6	12384.4	14711.8	17039.2	19366.6	21694.0	23945.7
50°	3112.7	4981.2	7838.4	10695.6	13548.1	16405.3	18728.0	21050.7	23368.6	25691.3	27928.8
52.5°	4148.6	6641.6	9711.7	12786.5	15856.6	18931.4	20989.2	23047.0	25104.7	27162.5	29329.0
55°	4503.4	7242.4	10350.3	13463.0	16570.9	19683.6	21665.6	23652.5	25634.5	27616.6	29863.6
57.5°	4191.2	6674.7	9806.3	12937.9	16064.7	19196.3	21410.2	23628.8	25842.7	28061.3	30469.1
60°	3510.0	5501.6	8789.3	12081.7	15369.4	18657.1	21154.8	23652.5	26150.2	28647.9	31050.9
62.5°	2781.5	4389.9	7871.5	11353.2	14834.8	18316.5	20856.7	23401.7	25942.0	28482.3	30327.2
65°	2133.5	3358.6	6783.5	10213.1	13638.0	17067.6	19149.0	21235.2	23316.6	25402.7	26680.0
67.5°	1584.7	2450.4	5444.8	8443.9	11438.3	14432.7	15965.4	17502.8	19035.5	20572.9	21566.3
70°	1168.4	1745.6	3784.4	5823.2	7857.3	9896.2	11301.1	12706.1	14106.3	15511.3	16542.5
72.5°	808.9	1116.4	2336.9	3562.1	4782.5	6003.0	7426.9	8850.7	10269.9	11693.8	12866.9
75°	553.5	685.9	1258.3	1830.7	2403.1	2975.5	4054.0	5132.6	6211.1	7289.7	7909.4
77.5°	411.6	482.5	652.8	827.8	998.1	1168.4	1376.6	1584.7	1792.9	2001.0	2270.6
80°	227.1	227.1	250.7	269.6	293.3	312.2	369.0	430.5	487.2	548.7	624.4
82.5°	104.1	108.8	118.3	127.7	132.5	141.9	151.4	160.8	170.3	179.8	179.8
85°	28.4	33.1	33.1	28.4	28.4	23.7	23.7	28.4	28.4	28.4	28.4
87.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	56.8	52.0	52.0	52.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3
5°	66.2	66.2	66.2	66.2	61.5	61.5	61.5	61.5	61.5	56.8	56.8
7.5°	80.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	71.0	71.0
10°	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	89.9	89.9
12.5°	118.3	118.3	118.3	118.3	123.0	123.0	118.3	118.3	118.3	113.5	113.5
15°	156.1	160.8	165.6	165.6	170.3	170.3	170.3	165.6	165.6	160.8	156.1
17.5°	264.9	279.1	298.0	316.9	335.9	350.1	350.1	340.6	331.1	321.7	312.2
20°	704.8	775.8	851.5	927.2	1007.6	1064.4	1026.5	998.1	969.8	936.6	908.3
22.5°	1868.5	2067.2	2270.6	2412.6	2554.5	2653.8	2573.4	2417.3	2261.2	2109.8	1953.7
25°	3486.4	3850.6	4219.6	4371.0	4527.1	4640.6	4588.6	4352.1	4115.5	3883.7	3647.2
27.5°	5198.8	5709.7	6225.3	6357.8	6490.2	6589.6	6570.7	6263.2	5955.7	5648.2	5340.7
30°	6608.5	7081.5	7554.6	7687.0	7819.5	7909.4	7810.0	7502.6	7195.1	6887.6	6580.1
32.5°	7772.2	8273.6	8779.8	8954.8	9129.8	9248.1	9129.8	8760.9	8391.9	8027.6	7658.7
35°	8969.0	9579.2	10194.2	10416.5	10638.9	10780.8	10582.1	10128.0	9673.9	9224.5	8770.3
37.5°	10293.5	11036.2	11783.7	12086.4	12393.9	12606.8	12455.4	11887.7	11315.3	10747.7	10175.3
40°	12105.3	13065.6	14030.6	14574.6	15113.9	15497.1	15227.4	14569.9	13907.6	13250.1	12587.8
42.5°	15492.4	16968.3	18444.2	19224.7	20000.5	20563.4	20260.7	19451.8	18642.9	17833.9	17025.0
45°	20724.3	22611.7	24503.9	25644.0	26788.8	27630.8	27280.7	26263.7	25241.9	24224.8	23207.8
47.5°	26197.5	28449.2	30700.9	31609.1	32522.1	33231.7	33146.5	31878.8	30611.0	29348.0	28080.2
50°	30171.1	32408.6	34646.1	35426.6	36211.9	36793.8	36576.2	34963.1	33345.2	31732.1	30114.3
52.5°	31495.6	33657.4	35824.0	36755.9	37687.8	38383.2	38118.3	36301.8	34485.3	32673.5	30857.0
55°	32110.6	34357.6	36604.5	37739.9	38879.9	39712.5	39329.3	37337.8	35341.5	33350.0	31353.7
57.5°	32876.9	35284.7	37692.5	38936.7	40180.8	41079.6	40568.7	38506.2	36443.7	34385.9	32323.4
60°	33454.0	35852.4	38255.5	39253.6	40256.5	40956.6	40464.6	38458.9	36448.4	34442.7	32437.0
62.5°	32176.8	34021.7	35866.6	36609.3	37352.0	37891.2	37612.1	35710.5	33808.8	31907.2	30005.5
65°	27961.9	29239.2	30521.1	31022.6	31519.3	31902.4	31817.3	30213.6	28610.0	27011.1	25407.5
67.5°	22564.4	23557.8	24556.0	25265.6	25979.9	26533.3	26471.8	25010.1	23548.4	22086.7	20624.9
70°	17578.5	18609.7	19641.0	20535.1	21433.9	22129.2	22039.4	20681.7	19319.3	17961.7	16599.3
72.5°	14044.8	15218.0	16391.1	16902.0	17412.9	17772.5	17507.5	16481.0	15449.8	14423.3	13392.0
75°	8529.1	9144.0	9763.7	9759.0	9759.0	9702.2	9437.3	8850.7	8264.2	7677.6	7091.0
77.5°	2540.3	2809.9	3079.5	3339.7	3604.6	3803.3	3751.3	3443.8	3131.6	2824.1	2511.9
80°	700.1	771.1	846.8	879.9	913.0	955.6	1064.4	988.7	913.0	842.0	766.3
82.5°	179.8	179.8	179.8	175.0	170.3	160.8	146.6	137.2	127.7	118.3	108.8
85°	28.4	23.7	23.7	23.7	18.9	18.9	18.9	18.9	14.2	14.2	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	47.3	47.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	37.8
5°	56.8	56.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	47.3
7.5°	71.0	71.0	66.2	66.2	66.2	66.2	61.5	61.5	61.5	61.5	56.8
10°	89.9	85.1	85.1	80.4	80.4	80.4	75.7	75.7	75.7	71.0	71.0
12.5°	113.5	108.8	108.8	104.1	99.3	99.3	94.6	89.9	85.1	85.1	80.4
15°	151.4	146.6	141.9	137.2	132.5	123.0	118.3	108.8	104.1	99.3	94.6
17.5°	288.6	264.9	241.3	217.6	198.7	179.8	160.8	141.9	132.5	123.0	113.5
20°	804.2	695.4	591.3	487.2	421.0	354.8	288.6	222.3	194.0	170.3	141.9
22.5°	1740.8	1523.2	1310.3	1092.7	917.7	747.4	572.4	397.4	331.1	269.6	203.4
25°	3235.7	2819.4	2407.8	1991.5	1660.4	1329.3	998.1	667.0	544.0	421.0	298.0
27.5°	4801.4	4262.2	3722.9	3183.6	2658.5	2128.7	1598.9	1073.8	860.9	652.8	439.9
30°	6007.7	5435.3	4867.7	4295.3	3633.0	2970.7	2303.7	1641.5	1305.6	969.8	629.2
32.5°	7043.7	6424.0	5809.0	5189.3	4423.0	3656.7	2890.3	2124.0	1703.0	1282.0	856.2
35°	8070.2	7365.4	6665.3	5960.4	5137.3	4314.2	3491.1	2668.0	2133.5	1598.9	1059.6
37.5°	9319.1	8458.1	7601.9	6745.7	5898.9	5056.9	4210.1	3363.4	2682.2	2005.7	1324.5
40°	11495.1	10397.6	9304.9	8207.4	7218.7	6234.8	5246.1	4257.4	3401.2	2545.0	1684.1
42.5°	15648.5	14271.9	12900.0	11523.5	10156.4	8789.3	7417.4	6050.3	4829.8	3614.1	2393.6
45°	21443.3	19678.8	17919.1	16154.6	14470.6	12791.2	11107.2	9423.1	7568.8	5714.4	3855.3
47.5°	26150.2	24215.4	22285.3	20350.6	18482.0	16618.2	14749.7	12881.1	10506.4	8136.4	5761.7
50°	28274.1	26429.3	24589.1	22744.2	20870.9	18992.9	17114.9	15241.6	12516.9	9796.8	7072.1
52.5°	28988.4	27115.2	25246.6	23373.4	21514.3	19655.2	17796.1	15937.0	13103.5	10274.6	7441.1
55°	29381.1	27403.7	25431.1	23453.8	21452.8	19447.0	17441.3	15440.3	12620.9	9806.3	6986.9
57.5°	30175.8	28023.4	25875.8	23723.4	21443.3	19163.2	16878.4	14598.3	11816.8	9035.2	6253.7
60°	30322.4	28203.2	26088.7	23974.1	21452.8	18931.4	16405.3	13884.0	11121.4	8363.5	5600.9
62.5°	28236.3	26467.1	24702.6	22933.4	20407.3	17881.3	15350.4	12824.4	10180.0	7535.7	4886.6
65°	23879.5	22351.6	20828.3	19300.4	17237.9	15180.1	13117.7	11055.2	8694.6	6338.9	3978.3
67.5°	19130.1	17635.3	16145.2	14650.3	13098.7	11551.9	10000.3	8448.7	6627.4	4806.2	2984.9
70°	15166.0	13727.9	12294.5	10856.5	9484.6	8108.1	6731.5	5359.6	4229.1	3103.2	1972.6
72.5°	12020.2	10643.6	9271.8	7895.2	6651.1	5407.0	4162.8	2918.7	2355.8	1797.6	1234.7
75°	6376.7	5662.4	4952.8	4238.5	3538.4	2833.6	2128.7	1428.6	1206.3	983.9	756.9
77.5°	2199.7	1887.5	1580.0	1267.8	1054.9	842.0	629.2	416.3	392.6	373.7	350.1
80°	667.0	567.7	468.3	369.0	326.4	283.8	241.3	198.7	184.5	170.3	151.4
82.5°	104.1	94.6	89.9	80.4	75.7	75.7	71.0	66.2	56.8	52.0	42.6
85°	9.5	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	42.6	42.6
2.5°	37.8	37.8
5°	47.3	47.3
7.5°	56.8	56.8
10°	66.2	66.2
12.5°	75.7	75.7
15°	89.9	85.1
17.5°	104.1	99.3
20°	113.5	104.1
22.5°	137.2	118.3
25°	175.0	146.6
27.5°	227.1	179.8
30°	293.3	227.1
32.5°	435.2	316.9
35°	525.1	383.2
37.5°	643.3	444.7
40°	827.8	539.3
42.5°	1173.2	733.2
45°	2001.0	1215.7
47.5°	3391.8	2072.0
50°	4347.3	2658.5
52.5°	4612.2	2819.4
55°	4172.3	2587.6
57.5°	3472.2	2199.7
60°	2843.0	1811.8
62.5°	2242.3	1433.3
65°	1617.8	1083.3
67.5°	1163.7	832.6
70°	846.8	652.8
72.5°	671.7	544.0
75°	534.5	454.1
77.5°	331.1	302.8
80°	137.2	127.7
82.5°	33.1	28.4
85°	0.0	0.0
87.5°	0.0	0.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P1067835

CATALOG NUMBER: NAV-SA4C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

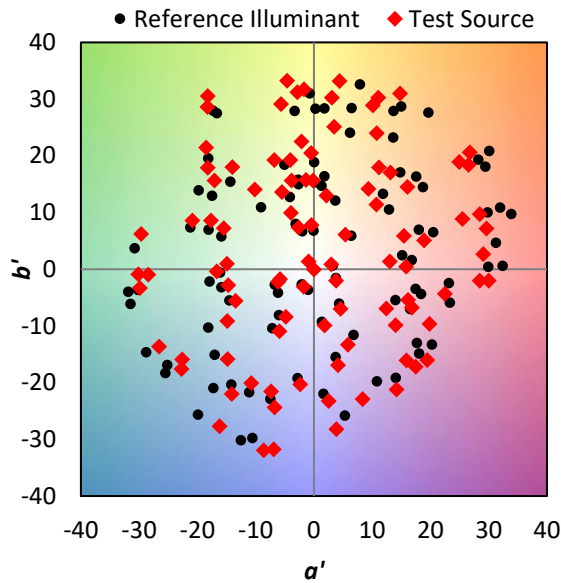
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_g = 6.8$



Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

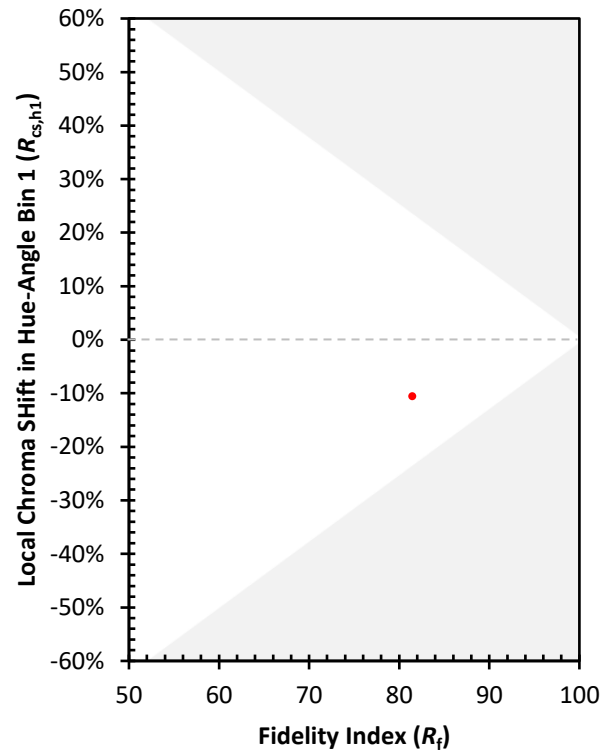
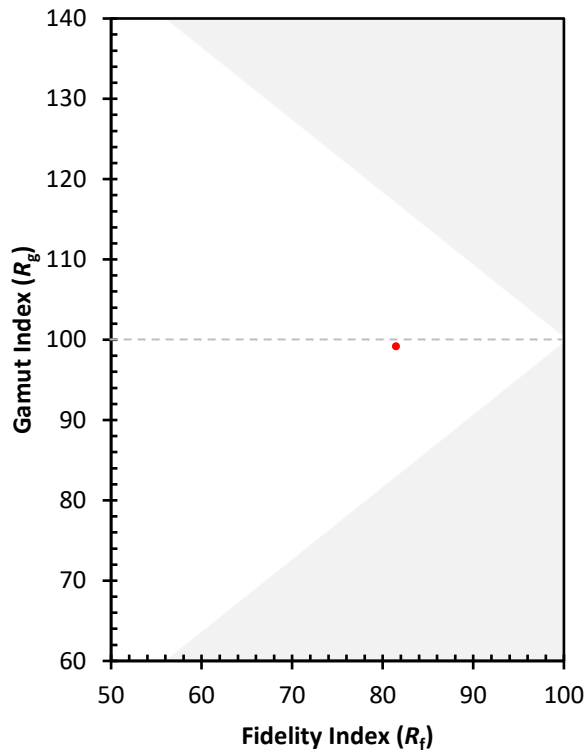
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)