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: P1067831

Luminaire Tested: **NAV-SA3C-830-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method:	LM-79-08
Report Number:	P1067831
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA3C-830-U-RBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE 80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(42) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11381.3 lumens
Efficiency:	N/A
Efficacy:	81.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2
Input Watts (W):	140.4
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

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Scaled Data Report

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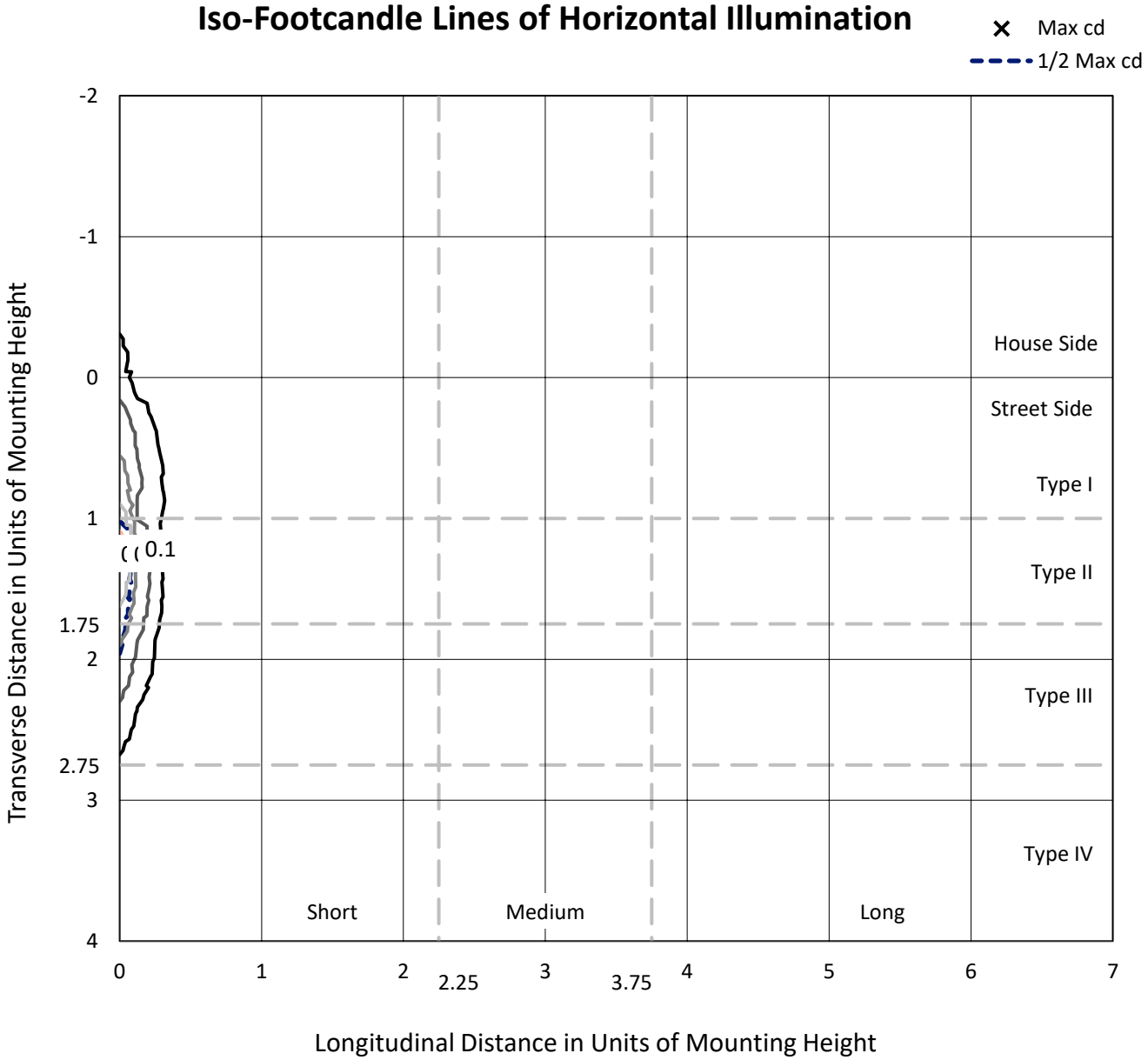
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Short - N/A

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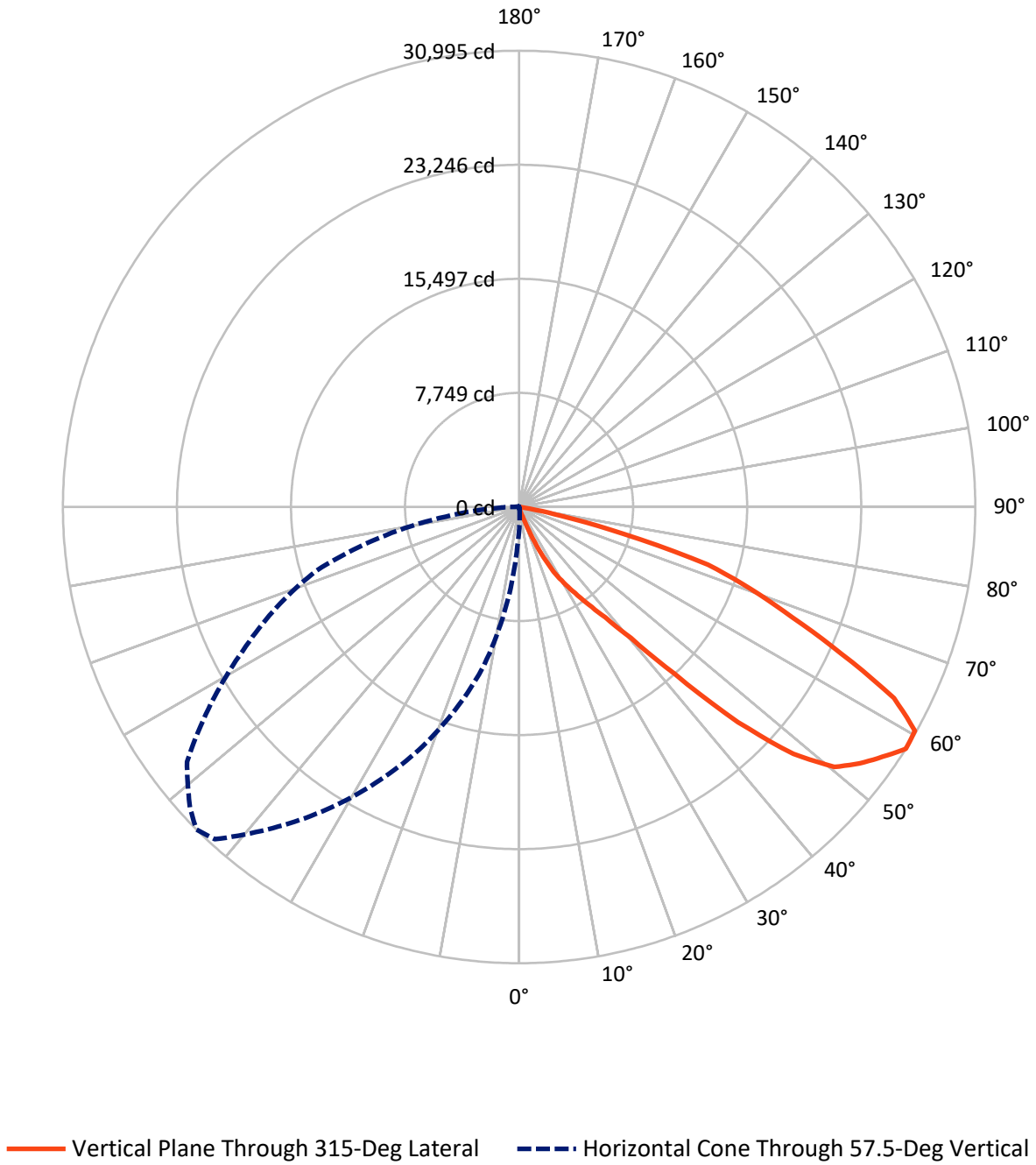
CATALOG NUMBER: NAV-SA3C-830-U-RBC

Luminous Intensity Polar Plot



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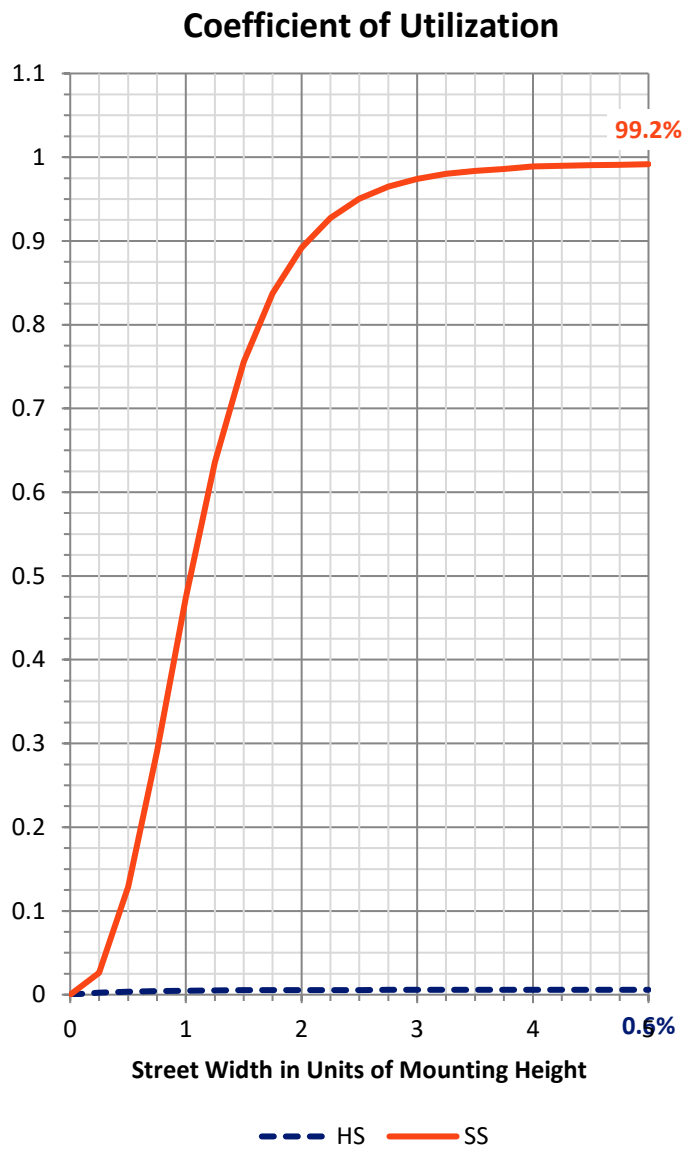
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.7	0.0	67.7
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	11313.5	0.0	11313.5
	% Fixture	99.4	0.0	99.4
Total	Lumens	11381.2	0.0	11381.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.0
10°-20°	16.7	0.1
20°-30°	212.4	1.9
30°-40°	715.9	6.3
40°-50°	2162.1	19.0
50°-60°	3814.6	33.5
60°-70°	3360.7	29.5
70°-80°	1069.8	9.4
80°-90°	25.7	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°	11381.2	100.0
0°-180°	11381.3	100.0



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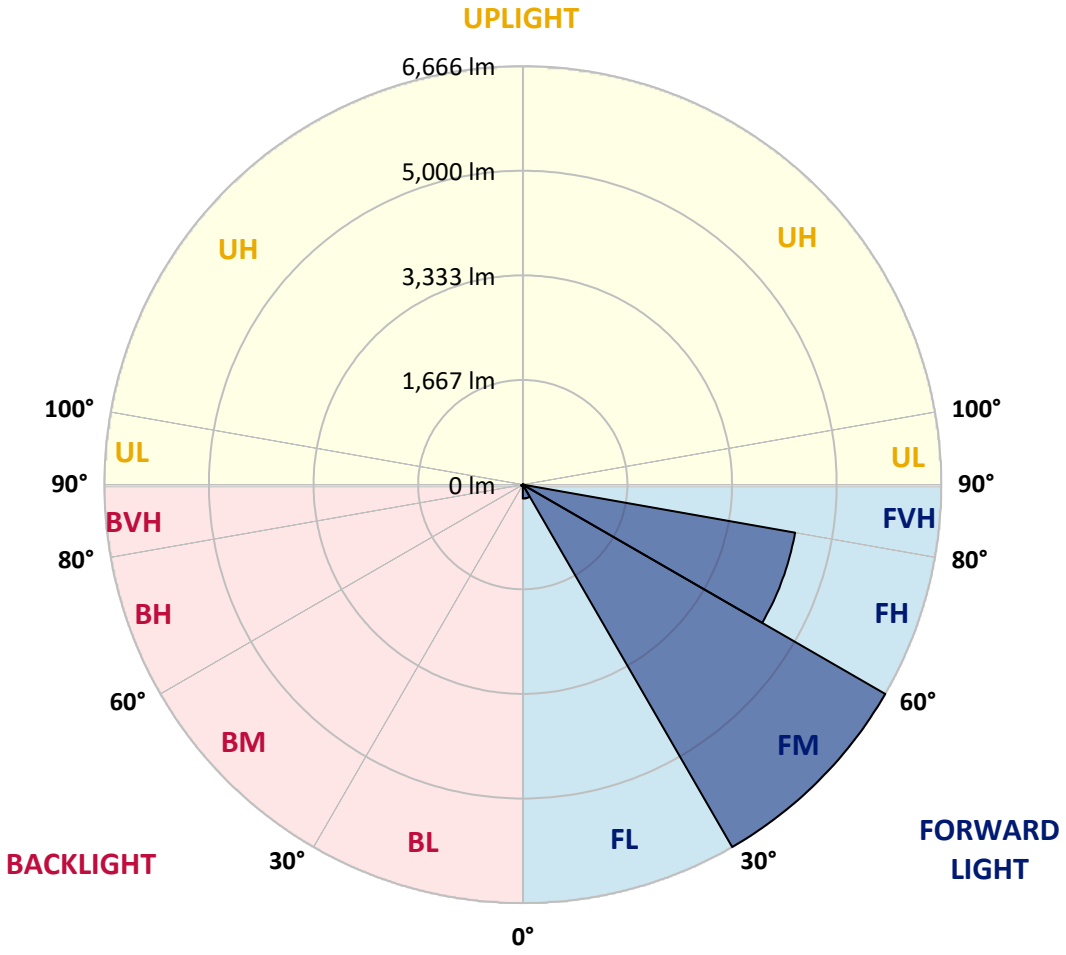
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	222.3	2.0			
FM	(30°-60°)	6666.4	58.6			
FH	(60°-80°)	4403.9	38.7			G2/5000
FVH	(80°-90°)	20.9	0.2			G1/100
BL	(0°-30°)	10.1	0.1	B0/110		
BM	(30°-60°)	26.2	0.2	B0/220		
BH	(60°-80°)	26.5	0.2	B0/110		G0/110
BVH	(80°-90°)	4.8	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	25.0
5°	35.7	35.7	35.7	32.1	32.1	32.1	28.6	28.6	28.6	28.6	28.6
7.5°	42.8	39.3	39.3	35.7	35.7	35.7	32.1	32.1	32.1	32.1	28.6
10°	50.0	46.4	46.4	42.8	42.8	39.3	39.3	35.7	35.7	32.1	32.1
12.5°	57.1	53.5	50.0	46.4	46.4	42.8	42.8	39.3	39.3	35.7	35.7
15°	64.2	60.7	57.1	53.5	50.0	50.0	46.4	42.8	39.3	39.3	35.7
17.5°	75.0	67.8	64.2	57.1	53.5	50.0	46.4	42.8	42.8	39.3	39.3
20°	78.5	71.4	67.8	60.7	57.1	53.5	50.0	46.4	42.8	42.8	39.3
22.5°	92.8	78.5	75.0	67.8	64.2	60.7	53.5	50.0	46.4	42.8	39.3
25°	114.2	92.8	82.1	71.4	67.8	60.7	57.1	50.0	46.4	42.8	39.3
27.5°	139.2	103.5	92.8	78.5	71.4	64.2	57.1	50.0	46.4	42.8	39.3
30°	171.3	121.4	103.5	85.7	78.5	71.4	60.7	53.5	50.0	46.4	39.3
32.5°	239.1	149.9	121.4	92.8	82.1	75.0	64.2	53.5	50.0	46.4	39.3
35°	289.1	182.0	146.3	107.1	92.8	82.1	67.8	53.5	50.0	46.4	39.3
37.5°	335.5	185.6	149.9	114.2	99.9	85.7	67.8	53.5	50.0	46.4	39.3
40°	410.5	192.7	149.9	107.1	96.4	82.1	71.4	57.1	53.5	46.4	42.8
42.5°	553.2	221.3	160.6	99.9	89.2	82.1	71.4	60.7	53.5	50.0	42.8
45°	920.8	328.4	217.7	103.5	92.8	82.1	71.4	60.7	57.1	50.0	46.4
47.5°	1566.9	571.1	339.1	107.1	96.4	82.1	71.4	57.1	53.5	50.0	42.8
50°	2005.9	731.7	428.3	124.9	107.1	92.8	75.0	57.1	53.5	50.0	46.4
52.5°	2130.8	778.1	464.0	146.3	124.9	103.5	78.5	57.1	53.5	53.5	50.0
55°	1952.3	756.7	464.0	171.3	142.8	117.8	89.2	60.7	57.1	57.1	53.5
57.5°	*1659.7*	*699.6*	*442.6*	*185.6*	*157.0*	*124.9*	*96.4*	*64.2*	*60.7*	*60.7*	*57.1*
60°	1367.0	588.9	399.7	207.0	174.9	142.8	110.6	78.5	75.0	71.4	64.2
62.5°	1085.0	474.7	349.8	221.3	189.2	153.5	121.4	85.7	82.1	78.5	75.0
65°	817.3	414.0	324.8	232.0	196.3	160.6	124.9	89.2	85.7	85.7	82.1
67.5°	628.2	378.3	310.5	239.1	203.4	167.8	132.1	96.4	92.8	89.2	85.7
70°	496.1	349.8	292.7	235.6	203.4	171.3	135.6	103.5	96.4	92.8	85.7
72.5°	414.0	317.7	271.3	224.9	199.9	174.9	149.9	124.9	110.6	99.9	85.7
75°	346.2	285.5	246.3	203.4	185.6	171.3	153.5	135.6	117.8	99.9	82.1
77.5°	228.4	207.0	189.2	171.3	160.6	149.9	135.6	124.9	107.1	92.8	75.0
80°	96.4	89.2	92.8	92.8	92.8	92.8	89.2	89.2	78.5	67.8	53.5
82.5°	21.4	17.8	21.4	21.4	21.4	21.4	17.8	17.8	17.8	14.3	14.3
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: P1067831
CATALOG NUMBER: NAV-SA3C-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

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CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
5°	28.6	28.6	28.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
7.5°	28.6	28.6	28.6	25.0	25.0	25.0	25.0	21.4	21.4	21.4	21.4
10°	28.6	28.6	28.6	25.0	25.0	25.0	25.0	21.4	21.4	21.4	21.4
12.5°	32.1	32.1	28.6	28.6	25.0	25.0	25.0	21.4	21.4	21.4	21.4
15°	32.1	32.1	28.6	28.6	25.0	25.0	25.0	21.4	21.4	21.4	21.4
17.5°	35.7	32.1	32.1	28.6	25.0	25.0	25.0	21.4	21.4	21.4	21.4
20°	35.7	32.1	32.1	28.6	25.0	25.0	25.0	21.4	21.4	21.4	21.4
22.5°	35.7	32.1	32.1	28.6	25.0	25.0	21.4	21.4	17.8	17.8	14.3
25°	35.7	32.1	32.1	28.6	25.0	25.0	21.4	21.4	17.8	14.3	14.3
27.5°	35.7	32.1	32.1	28.6	25.0	21.4	21.4	17.8	14.3	10.7	10.7
30°	35.7	32.1	32.1	28.6	25.0	21.4	17.8	14.3	10.7	10.7	7.1
32.5°	35.7	32.1	28.6	25.0	21.4	17.8	17.8	14.3	10.7	7.1	7.1
35°	35.7	32.1	28.6	25.0	21.4	17.8	17.8	14.3	10.7	7.1	7.1
37.5°	35.7	32.1	28.6	25.0	21.4	17.8	14.3	10.7	7.1	7.1	3.6
40°	35.7	32.1	28.6	25.0	21.4	17.8	14.3	10.7	7.1	7.1	3.6
42.5°	35.7	32.1	28.6	25.0	21.4	17.8	14.3	10.7	7.1	7.1	3.6
45°	39.3	35.7	32.1	25.0	21.4	17.8	17.8	14.3	10.7	7.1	7.1
47.5°	39.3	35.7	32.1	25.0	21.4	17.8	17.8	14.3	10.7	7.1	7.1
50°	42.8	39.3	35.7	28.6	25.0	21.4	17.8	10.7	7.1	7.1	3.6
52.5°	46.4	42.8	39.3	35.7	32.1	25.0	17.8	10.7	3.6	3.6	3.6
55°	50.0	46.4	46.4	42.8	39.3	28.6	21.4	10.7	0.0	0.0	0.0
57.5°	*53.5*	*50.0*	*50.0*	*46.4*	*42.8*	*32.1*	*21.4*	*10.7*	*0.0*	*0.0*	*0.0*
60°	60.7	57.1	53.5	46.4	42.8	32.1	21.4	10.7	0.0	0.0	0.0
62.5°	71.4	64.2	53.5	46.4	35.7	28.6	17.8	10.7	0.0	0.0	0.0
65°	78.5	67.8	57.1	42.8	32.1	25.0	17.8	7.1	0.0	0.0	0.0
67.5°	82.1	67.8	57.1	42.8	28.6	21.4	14.3	7.1	0.0	0.0	0.0
70°	78.5	64.2	53.5	39.3	25.0	17.8	14.3	7.1	0.0	0.0	0.0
72.5°	71.4	60.7	46.4	35.7	21.4	17.8	10.7	7.1	0.0	0.0	0.0
75°	64.2	53.5	39.3	28.6	14.3	10.7	7.1	3.6	0.0	0.0	0.0
77.5°	57.1	46.4	32.1	21.4	7.1	7.1	3.6	3.6	0.0	0.0	0.0
80°	42.8	32.1	21.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.7	7.1	7.1	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
5°	21.4	21.4	21.4	21.4	17.8	17.8	17.8	17.8	17.8	17.8	17.8
7.5°	21.4	21.4	21.4	21.4	17.8	17.8	17.8	17.8	14.3	14.3	14.3
10°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.3	14.3	14.3
12.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.3	14.3	14.3
15°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	14.3	14.3	10.7	10.7
17.5°	17.8	17.8	17.8	17.8	14.3	14.3	14.3	10.7	10.7	7.1	7.1
20°	17.8	17.8	17.8	14.3	14.3	10.7	10.7	7.1	7.1	3.6	3.6
22.5°	14.3	10.7	10.7	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0
25°	10.7	7.1	7.1	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	21.4	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
5°	17.8	17.8	17.8	17.8	14.3	14.3	14.3	14.3	14.3	14.3	14.3
7.5°	14.3	14.3	14.3	14.3	14.3	14.3	10.7	10.7	10.7	10.7	10.7
10°	14.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	7.1	7.1
12.5°	14.3	10.7	10.7	10.7	7.1	7.1	7.1	7.1	7.1	3.6	3.6
15°	10.7	7.1	7.1	7.1	3.6	3.6	3.6	3.6	3.6	0.0	0.0
17.5°	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	21.4	21.4
5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
7.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
10°	7.1	7.1	7.1	7.1	7.1	7.1	3.6	3.6	3.6	3.6	3.6
12.5°	3.6	3.6	3.6	3.6	3.6	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	21.4	21.4	21.4	21.4	21.4	25.0	25.0	28.6	28.6	32.1	32.1
5°	14.3	14.3	17.8	17.8	17.8	17.8	21.4	21.4	21.4	25.0	25.0
7.5°	10.7	10.7	10.7	10.7	10.7	14.3	14.3	17.8	17.8	21.4	21.4
10°	3.6	3.6	7.1	7.1	7.1	7.1	10.7	10.7	10.7	14.3	17.8
12.5°	0.0	0.0	3.6	3.6	3.6	3.6	7.1	7.1	7.1	10.7	14.3
15°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	7.1	10.7
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	35.7	35.7	39.3	39.3	42.8	42.8	46.4	46.4	46.4	46.4	46.4
5°	28.6	28.6	32.1	35.7	35.7	39.3	42.8	42.8	42.8	42.8	42.8
7.5°	25.0	25.0	28.6	32.1	32.1	35.7	39.3	39.3	42.8	42.8	42.8
10°	17.8	21.4	25.0	28.6	28.6	32.1	35.7	35.7	39.3	39.3	39.3
12.5°	14.3	17.8	21.4	25.0	25.0	28.6	32.1	32.1	35.7	35.7	39.3
15°	10.7	14.3	17.8	21.4	21.4	25.0	28.6	28.6	32.1	35.7	39.3
17.5°	7.1	10.7	14.3	17.8	17.8	21.4	25.0	28.6	32.1	32.1	35.7
20°	7.1	7.1	10.7	14.3	14.3	17.8	21.4	25.0	28.6	28.6	32.1
22.5°	3.6	3.6	7.1	10.7	10.7	14.3	17.8	21.4	25.0	25.0	28.6
25°	0.0	0.0	3.6	7.1	7.1	10.7	14.3	14.3	17.8	17.8	21.4
27.5°	0.0	0.0	3.6	3.6	7.1	7.1	10.7	10.7	14.3	14.3	17.8
30°	0.0	0.0	3.6	3.6	7.1	7.1	10.7	10.7	14.3	14.3	14.3
32.5°	0.0	0.0	0.0	3.6	3.6	3.6	7.1	7.1	10.7	10.7	14.3
35°	0.0	0.0	0.0	3.6	3.6	3.6	7.1	7.1	10.7	10.7	10.7
37.5°	0.0	0.0	0.0	3.6	3.6	3.6	7.1	7.1	7.1	7.1	10.7
40°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
45°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
50°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
55°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
57.5°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*3.6*	*3.6*	*3.6*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	7.1	7.1	7.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	7.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.4	46.4
5°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	42.8	42.8
7.5°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	42.8	42.8
10°	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
12.5°	39.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
15°	39.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
17.5°	35.7	39.3	39.3	39.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8
20°	32.1	35.7	35.7	35.7	39.3	39.3	39.3	39.3	42.8	42.8	42.8
22.5°	28.6	32.1	32.1	32.1	35.7	35.7	35.7	35.7	39.3	39.3	39.3
25°	25.0	25.0	28.6	28.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1
27.5°	17.8	21.4	21.4	21.4	25.0	25.0	25.0	25.0	28.6	28.6	28.6
30°	17.8	17.8	17.8	17.8	21.4	21.4	21.4	21.4	25.0	25.0	25.0
32.5°	14.3	17.8	17.8	17.8	21.4	21.4	21.4	21.4	25.0	25.0	25.0
35°	14.3	14.3	14.3	14.3	17.8	17.8	17.8	17.8	21.4	21.4	21.4
37.5°	10.7	14.3	14.3	14.3	17.8	17.8	17.8	17.8	21.4	21.4	21.4
40°	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3	17.8	17.8	17.8
42.5°	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3	17.8	17.8	17.8
45°	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3	17.8	17.8	17.8
47.5°	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3	17.8	17.8	17.8
50°	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3	17.8	17.8	17.8
52.5°	7.1	7.1	7.1	7.1	10.7	10.7	10.7	10.7	14.3	14.3	14.3
55°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	10.7	10.7	10.7
57.5°	*7.1*	*7.1*	*7.1*	*7.1*	*7.1*	*7.1*	*7.1*	*7.1*	*10.7*	*10.7*	*10.7*
60°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
65°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	3.6	3.6
67.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	10.7	10.7	10.7	10.7	10.7	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	10.7	10.7	10.7	10.7	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	46.4	46.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	46.4	46.4
5°	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	46.4	46.4
7.5°	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	46.4	46.4
10°	42.8	42.8	42.8	42.8	39.3	39.3	42.8	42.8	42.8	46.4	46.4
12.5°	42.8	42.8	42.8	42.8	39.3	39.3	42.8	42.8	46.4	46.4	50.0
15°	42.8	42.8	39.3	39.3	39.3	39.3	42.8	42.8	46.4	46.4	50.0
17.5°	42.8	42.8	39.3	39.3	39.3	39.3	42.8	42.8	46.4	46.4	50.0
20°	42.8	42.8	39.3	39.3	39.3	39.3	39.3	39.3	42.8	46.4	46.4
22.5°	39.3	39.3	39.3	39.3	35.7	35.7	39.3	39.3	42.8	46.4	46.4
25°	32.1	35.7	35.7	35.7	35.7	35.7	39.3	39.3	42.8	46.4	46.4
27.5°	28.6	32.1	32.1	32.1	32.1	35.7	35.7	39.3	42.8	46.4	46.4
30°	25.0	28.6	28.6	28.6	32.1	35.7	35.7	39.3	42.8	46.4	46.4
32.5°	25.0	28.6	28.6	28.6	32.1	32.1	35.7	35.7	39.3	42.8	46.4
35°	25.0	25.0	28.6	28.6	28.6	32.1	32.1	35.7	39.3	42.8	46.4
37.5°	25.0	25.0	28.6	28.6	28.6	32.1	32.1	35.7	39.3	42.8	46.4
40°	21.4	25.0	25.0	28.6	28.6	32.1	32.1	35.7	39.3	46.4	50.0
42.5°	21.4	21.4	25.0	25.0	28.6	32.1	32.1	35.7	39.3	46.4	50.0
45°	21.4	25.0	25.0	28.6	32.1	35.7	35.7	39.3	42.8	46.4	50.0
47.5°	21.4	25.0	25.0	28.6	35.7	35.7	39.3	39.3	42.8	46.4	50.0
50°	21.4	25.0	25.0	28.6	39.3	39.3	39.3	39.3	42.8	46.4	50.0
52.5°	17.8	21.4	21.4	25.0	32.1	35.7	39.3	42.8	46.4	50.0	53.5
55°	14.3	17.8	17.8	21.4	28.6	32.1	39.3	46.4	50.0	53.5	57.1
57.5°	*14.3*	*14.3*	*17.8*	*17.8*	*25.0*	*32.1*	*42.8*	*50.0*	*53.5*	*57.1*	*60.7*
60°	10.7	10.7	14.3	14.3	21.4	28.6	39.3	50.0	53.5	60.7	64.2
62.5°	7.1	10.7	10.7	14.3	17.8	28.6	39.3	50.0	57.1	64.2	67.8
65°	7.1	7.1	10.7	10.7	17.8	25.0	35.7	42.8	53.5	64.2	75.0
67.5°	10.7	10.7	14.3	14.3	17.8	25.0	35.7	42.8	53.5	67.8	78.5
70°	10.7	10.7	14.3	14.3	21.4	28.6	35.7	42.8	53.5	67.8	78.5
72.5°	10.7	10.7	14.3	14.3	21.4	25.0	32.1	39.3	50.0	60.7	71.4
75°	7.1	10.7	10.7	10.7	17.8	21.4	28.6	35.7	46.4	57.1	67.8
77.5°	7.1	7.1	7.1	7.1	14.3	17.8	25.0	28.6	39.3	50.0	60.7
80°	7.1	7.1	7.1	7.1	10.7	14.3	21.4	25.0	35.7	46.4	57.1
82.5°	7.1	7.1	3.6	3.6	7.1	10.7	14.3	17.8	28.6	35.7	46.4
85°	7.1	7.1	3.6	3.6	3.6	7.1	7.1	10.7	14.3	17.8	21.4
87.5°	7.1	7.1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	46.4	46.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5°	46.4	50.0	50.0	53.5	53.5	53.5	57.1	57.1	57.1	57.1	57.1
7.5°	46.4	50.0	50.0	53.5	53.5	53.5	57.1	57.1	57.1	60.7	60.7
10°	46.4	50.0	50.0	53.5	53.5	57.1	60.7	60.7	64.2	64.2	64.2
12.5°	50.0	53.5	53.5	57.1	57.1	60.7	64.2	64.2	67.8	71.4	71.4
15°	50.0	53.5	57.1	57.1	60.7	64.2	67.8	67.8	71.4	75.0	78.5
17.5°	50.0	53.5	57.1	57.1	60.7	64.2	71.4	75.0	78.5	85.7	89.2
20°	50.0	53.5	57.1	57.1	60.7	67.8	71.4	78.5	82.1	89.2	96.4
22.5°	50.0	53.5	57.1	60.7	64.2	71.4	78.5	82.1	89.2	99.9	107.1
25°	50.0	53.5	57.1	60.7	64.2	71.4	78.5	85.7	92.8	107.1	121.4
27.5°	50.0	53.5	60.7	64.2	67.8	75.0	85.7	92.8	99.9	124.9	149.9
30°	50.0	53.5	60.7	64.2	67.8	78.5	89.2	96.4	107.1	149.9	189.2
32.5°	50.0	57.1	60.7	67.8	71.4	82.1	96.4	107.1	117.8	178.5	235.6
35°	50.0	57.1	60.7	67.8	71.4	85.7	99.9	114.2	128.5	217.7	306.9
37.5°	50.0	57.1	60.7	67.8	71.4	92.8	114.2	135.6	157.0	249.8	342.6
40°	53.5	60.7	64.2	71.4	75.0	96.4	117.8	139.2	160.6	253.4	346.2
42.5°	53.5	60.7	64.2	71.4	75.0	92.8	114.2	132.1	149.9	253.4	356.9
45°	53.5	60.7	67.8	71.4	78.5	96.4	114.2	128.5	146.3	278.4	406.9
47.5°	53.5	60.7	67.8	71.4	78.5	96.4	114.2	132.1	149.9	367.6	581.8
50°	53.5	60.7	67.8	71.4	78.5	99.9	121.4	142.8	164.2	549.6	935.1
52.5°	57.1	60.7	67.8	71.4	75.0	99.9	124.9	149.9	174.9	713.8	1249.2
55°	60.7	64.2	67.8	71.4	75.0	107.1	139.2	171.3	203.4	767.4	1327.7
57.5°	*64.2*	*67.8*	*71.4*	*71.4*	*75.0*	*114.2*	*157.0*	*196.3*	*235.6*	*763.8*	*1288.5*
60°	67.8	71.4	75.0	78.5	82.1	121.4	164.2	203.4	242.7	692.4	1142.1
62.5°	75.0	82.1	89.2	92.8	99.9	139.2	174.9	214.1	249.8	567.5	881.6
65°	85.7	92.8	96.4	103.5	107.1	142.8	182.0	217.7	253.4	471.1	685.3
67.5°	89.2	96.4	99.9	107.1	110.6	146.3	182.0	217.7	253.4	399.7	542.5
70°	89.2	96.4	103.5	107.1	114.2	149.9	182.0	217.7	249.8	346.2	442.6
72.5°	82.1	92.8	99.9	110.6	117.8	149.9	178.5	210.6	239.1	306.9	374.8
75°	78.5	92.8	103.5	117.8	128.5	149.9	174.9	196.3	217.7	267.7	317.7
77.5°	71.4	89.2	107.1	124.9	142.8	157.0	167.8	182.0	192.7	224.9	257.0
80°	67.8	85.7	103.5	121.4	139.2	146.3	149.9	157.0	160.6	164.2	167.8
82.5°	53.5	67.8	82.1	92.8	107.1	99.9	96.4	89.2	82.1	78.5	75.0
85°	25.0	28.6	28.6	32.1	32.1	32.1	28.6	28.6	25.0	21.4	17.8
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	50.0	50.0	50.0	50.0	46.4	46.4	46.4	46.4	42.8	42.8	42.8
5°	57.1	57.1	57.1	57.1	53.5	53.5	53.5	53.5	50.0	50.0	50.0
7.5°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
10°	67.8	67.8	67.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
12.5°	75.0	75.0	78.5	78.5	82.1	82.1	85.7	85.7	89.2	89.2	89.2
15°	82.1	85.7	89.2	92.8	92.8	96.4	99.9	103.5	107.1	110.6	114.2
17.5°	96.4	99.9	107.1	114.2	121.4	128.5	139.2	153.5	164.2	174.9	189.2
20°	107.1	117.8	139.2	164.2	185.6	207.0	260.5	314.1	367.6	421.2	474.7
22.5°	128.5	149.9	221.3	296.2	367.6	439.0	606.8	774.5	938.7	1106.4	1256.3
25°	171.3	217.7	381.9	546.1	706.7	870.9	1170.7	1474.1	1773.9	2073.7	2352.1
27.5°	235.6	321.2	588.9	860.2	1127.9	1395.5	1831.0	2270.0	2705.4	3144.4	3533.5
30°	328.4	467.6	867.3	1270.6	1670.4	2070.1	2619.8	3173.0	3722.6	4272.3	4629.2
32.5°	446.1	653.2	1160.0	1666.8	2173.6	2680.4	3287.2	3893.9	4497.1	5103.9	5482.2
35°	571.1	835.2	1445.5	2059.4	2669.7	3283.6	3922.5	4561.4	5200.3	5839.1	6303.1
37.5°	642.4	942.3	1666.8	2391.3	3112.3	3836.8	4536.4	5239.5	5939.1	6638.6	7202.6
40°	710.3	1070.7	1905.9	2741.1	3576.3	4411.5	5228.8	6046.1	6863.5	7680.8	8405.4
42.5°	810.2	1263.5	2237.9	3212.2	4183.0	5157.4	6231.7	7309.6	8383.9	9458.3	10571.8
45°	1017.2	1627.5	2891.0	4154.5	5414.4	6677.9	8201.9	9729.5	11253.5	12781.1	14208.8
47.5°	1516.9	2448.4	4172.3	5896.2	7620.1	9344.0	11100.1	12856.1	14612.1	16368.1	18067.1
50°	2348.5	3758.3	5914.1	8069.9	10222.1	12377.8	14130.3	15882.7	17631.6	19384.1	21072.3
52.5°	3130.1	5011.1	7327.5	9647.4	11963.8	14283.8	15836.3	17388.9	18941.5	20494.1	22128.8
55°	3397.8	5464.4	7809.3	10157.8	12502.7	14851.3	16346.7	17845.8	19341.2	20836.7	22532.1
57.5°	*3162.3*	*5036.1*	*7398.9*	*9761.6*	*12120.8*	*14483.6*	*16154.0*	*17827.9*	*19498.3*	*21172.2*	*22988.9*
60°	2648.3	4150.9	6631.5	9115.6	11596.2	14076.7	15961.3	17845.8	19730.3	21614.8	23427.9
62.5°	2098.7	3312.2	5939.1	8566.0	11192.9	13819.8	15736.4	17656.6	19573.2	21489.9	22881.9
65°	1609.7	2534.1	5118.2	7705.8	10289.9	12877.5	14447.9	16021.9	17592.4	19166.4	20130.0
67.5°	1195.7	1848.8	4108.1	6370.9	8630.2	10889.5	12045.9	13205.9	14362.3	15522.3	16271.8
70°	881.6	1317.0	2855.3	4393.6	5928.4	7466.7	8526.7	9586.7	10643.2	11703.3	12481.3
72.5°	610.3	842.3	1763.2	2687.6	3608.4	4529.3	5603.6	6677.9	7748.6	8823.0	9708.1
75°	417.6	517.5	949.4	1381.3	1813.1	2245.0	3058.8	3872.5	4686.3	5500.1	5967.6
77.5°	310.5	364.1	492.5	624.6	753.1	881.6	1038.6	1195.7	1352.7	1509.8	1713.2
80°	171.3	171.3	189.2	203.4	221.3	235.6	278.4	324.8	367.6	414.0	471.1
82.5°	78.5	82.1	89.2	96.4	99.9	107.1	114.2	121.4	128.5	135.6	135.6
85°	21.4	25.0	25.0	21.4	21.4	17.8	17.8	21.4	21.4	21.4	21.4
87.5°	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	32.1	32.1	32.1	32.1	32.1	*32.1*	32.1	32.1	32.1	32.1	32.1
2.5°	42.8	39.3	39.3	39.3	35.7	*35.7*	35.7	35.7	35.7	35.7	35.7
5°	50.0	50.0	50.0	50.0	46.4	*46.4*	46.4	46.4	46.4	42.8	42.8
7.5°	60.7	57.1	57.1	57.1	57.1	*57.1*	57.1	57.1	57.1	53.5	53.5
10°	71.4	71.4	71.4	71.4	71.4	*71.4*	71.4	71.4	71.4	67.8	67.8
12.5°	89.2	89.2	89.2	89.2	92.8	*92.8*	89.2	89.2	89.2	85.7	85.7
15°	117.8	121.4	124.9	124.9	128.5	*128.5*	128.5	124.9	124.9	121.4	117.8
17.5°	199.9	210.6	224.9	239.1	253.4	*264.1*	264.1	257.0	249.8	242.7	235.6
20°	531.8	585.3	642.4	699.6	760.2	*803.1*	774.5	753.1	731.7	706.7	685.3
22.5°	1409.8	1559.7	1713.2	1820.3	1927.3	*2002.3*	1941.6	1823.8	1706.1	1591.8	1474.1
25°	2630.5	2905.3	3183.7	3297.9	3415.7	*3501.3*	3462.1	3283.6	3105.2	2930.3	2751.8
27.5°	3922.5	4308.0	4697.0	4796.9	4896.9	*4971.8*	4957.6	4725.6	4493.6	4261.6	4029.6
30°	4986.1	5343.0	5699.9	5799.9	5899.8	*5967.6*	5892.7	5660.7	5428.7	5196.7	4964.7
32.5°	5864.1	6242.5	6624.4	6756.4	6888.5	*6977.7*	6888.5	6610.1	6331.7	6056.9	5778.5
35°	6767.1	7227.5	7691.5	7859.3	8027.0	*8134.1*	7984.2	7641.6	7298.9	6959.9	6617.2
37.5°	7766.5	8326.8	8890.8	9119.2	9351.2	*9511.8*	9397.6	8969.3	8537.4	8109.1	7677.3
40°	9133.5	9858.0	10586.1	10996.6	11403.4	*11692.6*	11489.1	10993.0	10493.3	9997.2	9497.5
42.5°	11689.0	12802.6	13916.1	14505.0	15090.4	*15515.1*	15286.7	14676.4	14066.0	13455.7	12845.4
45°	15636.5	17060.6	18488.2	19348.4	20212.1	*20847.4*	20583.3	19815.9	19045.0	18277.6	17510.3
47.5°	19766.0	21464.9	23163.8	23849.1	24537.9	*25073.3*	25009.1	24052.5	23096.0	22143.0	21186.5
50°	22764.1	24452.3	26140.5	26729.4	27321.9	*27760.9*	27596.7	26379.6	25159.0	23941.9	22721.2
52.5°	23763.4	25394.5	27029.2	27732.3	28435.5	*28960.1*	28760.2	27389.7	26019.1	24652.2	23281.6
55°	24227.4	25922.8	27618.1	28474.7	29334.9	*29963.1*	29674.0	28171.3	26665.2	25162.5	23656.4
57.5°	*24805.6*	*26622.3*	*28439.0*	*29377.7*	*30316.4*	*30994.5*	*30609.1*	*29052.9*	*27496.8*	*25944.2*	*24388.0*
60°	25241.1	27050.6	28863.8	29616.8	30373.5	*30901.7*	30530.5	29017.2	27500.3	25987.0	24473.7
62.5°	24277.4	25669.4	27061.3	27621.7	28182.0	*28588.9*	28378.3	26943.5	25508.7	24073.9	22639.1
65°	21097.3	22060.9	23028.2	23406.5	23781.3	*24070.4*	24006.1	22796.2	21586.2	20379.9	19169.9
67.5°	17024.9	17774.4	18527.5	19062.9	19601.8	*20019.4*	19973.0	18870.1	17767.3	16664.4	15561.5
70°	13263.0	14041.1	14819.1	15493.7	16171.8	*16696.5*	16628.7	15604.3	14576.4	13552.1	12524.2
72.5°	10596.8	11482.0	12367.1	12752.6	13138.1	*13409.3*	13209.4	12434.9	11656.9	10882.4	10104.3
75°	6435.2	6899.2	7366.7	7363.2	7363.2	*7320.3*	7120.5	6677.9	6235.3	5792.7	5350.2
77.5°	1916.6	2120.1	2323.5	2519.8	2719.7	*2869.6*	2830.3	2598.3	2362.8	2130.8	1895.2
80°	528.2	581.8	638.9	663.9	688.8	*721.0*	803.1	746.0	688.8	635.3	578.2
82.5°	135.6	135.6	135.6	132.1	128.5	*121.4*	110.6	103.5	96.4	89.2	82.1
85°	21.4	17.8	17.8	17.8	14.3	*14.3*	14.3	14.3	10.7	10.7	7.1
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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
2.5°	35.7	35.7	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	28.6
5°	42.8	42.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	35.7
7.5°	53.5	53.5	50.0	50.0	50.0	50.0	46.4	46.4	46.4	46.4	42.8
10°	67.8	64.2	64.2	60.7	60.7	60.7	57.1	57.1	57.1	53.5	53.5
12.5°	85.7	82.1	82.1	78.5	75.0	75.0	71.4	67.8	64.2	64.2	60.7
15°	114.2	110.6	107.1	103.5	99.9	92.8	89.2	82.1	78.5	75.0	71.4
17.5°	217.7	199.9	182.0	164.2	149.9	135.6	121.4	107.1	99.9	92.8	85.7
20°	606.8	524.7	446.1	367.6	317.7	267.7	217.7	167.8	146.3	128.5	107.1
22.5°	1313.4	1149.3	988.7	824.5	692.4	563.9	431.9	299.8	249.8	203.4	153.5
25°	2441.3	2127.2	1816.7	1502.6	1252.8	1002.9	753.1	503.3	410.5	317.7	224.9
27.5°	3622.7	3215.8	2808.9	2402.0	2005.9	1606.1	1206.4	810.2	649.6	492.5	331.9
30°	4532.8	4101.0	3672.7	3240.8	2741.1	2241.4	1738.2	1238.5	985.1	731.7	474.7
32.5°	5314.5	4846.9	4382.9	3915.4	3337.2	2759.0	2180.8	1602.6	1284.9	967.2	646.0
35°	6089.0	5557.2	5028.9	4497.1	3876.1	3255.1	2634.0	2013.0	1609.7	1206.4	799.5
37.5°	7031.2	6381.6	5735.6	5089.6	4450.7	3815.4	3176.5	2537.7	2023.7	1513.3	999.4
40°	8673.0	7845.0	7020.5	6192.5	5446.5	4704.1	3958.2	3212.2	2566.2	1920.2	1270.6
42.5°	11806.8	10768.1	9733.1	8694.5	7663.0	6631.5	5596.4	4564.9	3644.1	2726.8	1806.0
45°	16179.0	14847.7	13520.0	12188.7	10918.0	9651.0	8380.4	7109.8	5710.6	4311.5	2908.9
47.5°	19730.3	18270.5	16814.3	15354.5	13944.7	12538.4	11128.6	9718.8	7927.1	6138.9	4347.2
50°	21332.8	19940.9	18552.5	17160.5	15747.1	14330.2	12913.2	11499.8	9444.0	7391.7	5335.9
52.5°	21871.8	20458.4	19048.6	17635.2	16232.5	14829.8	13427.2	12024.5	9886.6	7752.2	5614.3
55°	22168.0	20676.1	19187.8	17695.9	16186.1	14672.8	13159.5	11649.7	9522.5	7398.9	5271.6
57.5°	*22767.6*	*21143.7*	*19523.3*	*17899.3*	*16179.0*	*14458.6*	*12734.7*	*11014.4*	*8915.7*	*6817.1*	*4718.4*
60°	22878.3	21279.3	19683.9	18088.5	16186.1	14283.8	12377.8	10475.5	8391.1	6310.3	4225.9
62.5°	21304.3	19969.4	18638.1	17303.3	15397.3	13491.4	11581.9	9676.0	7680.8	5685.7	3686.9
65°	18017.1	16864.3	15715.0	14562.2	13006.0	11453.4	9897.3	8341.1	6560.1	4782.7	3001.7
67.5°	14433.7	13305.8	12181.5	11053.7	9883.0	8715.9	7545.2	6374.5	5000.4	3626.3	2252.1
70°	11442.7	10357.7	9276.2	8191.2	7156.2	6117.5	5078.9	4043.9	3190.8	2341.4	1488.3
72.5°	9069.2	8030.6	6995.5	5956.9	5018.2	4079.5	3140.9	2202.2	1777.4	1356.3	931.5
75°	4811.2	4272.3	3736.9	3198.0	2669.7	2137.9	1606.1	1077.9	910.1	742.4	571.1
77.5°	1659.7	1424.1	1192.1	956.5	795.9	635.3	474.7	314.1	296.2	282.0	264.1
80°	503.3	428.3	353.3	278.4	246.3	214.1	182.0	149.9	139.2	128.5	114.2
82.5°	78.5	71.4	67.8	60.7	57.1	57.1	53.5	50.0	42.8	39.3	32.1
85°	7.1	3.6	3.6	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: P1067831
CATALOG NUMBER: NAV-SA3C-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: P1067831
CATALOG NUMBER: NAV-SA3C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	32.1	32.1
2.5°	28.6	28.6
5°	35.7	35.7
7.5°	42.8	42.8
10°	50.0	50.0
12.5°	57.1	57.1
15°	67.8	64.2
17.5°	78.5	75.0
20°	85.7	78.5
22.5°	103.5	89.2
25°	132.1	110.6
27.5°	171.3	135.6
30°	221.3	171.3
32.5°	328.4	239.1
35°	396.2	289.1
37.5°	485.4	335.5
40°	624.6	406.9
42.5°	885.2	553.2
45°	1509.8	917.3
47.5°	2559.1	1563.3
50°	3280.1	2005.9
52.5°	3479.9	2127.2
55°	3148.0	1952.3
57.5°	*2619.8*	*1659.7*
60°	2145.1	1367.0
62.5°	1691.8	1081.5
65°	1220.7	817.3
67.5°	878.0	628.2
70°	638.9	492.5
72.5°	506.8	410.5
75°	403.3	342.6
77.5°	249.8	228.4
80°	103.5	96.4
82.5°	25.0	21.4
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: P1067831
CATALOG NUMBER: NAV-SA3C-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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

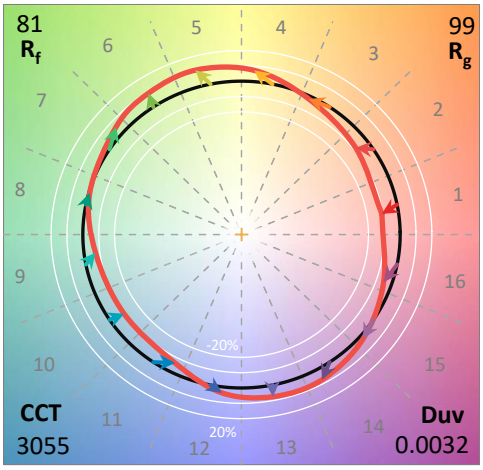
Test Information

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	CRI (Ra):	80.9			
CIE u':	0.2475	R1:	79.5	R9:	6.8	
CIE v':	0.5247	R2:	85.6	R10:	67.1	
Duv:	0.0032	R3:	92.1	R11:	82.5	
CIE x:	0.4377	R4:	82.4	R12:	63.4	
CIE y:	0.4124	R5:	78.9	R13:	80.2	
CIE z:	0.1499	R6:	81.7	R14:	95.1	
Peak Wavelength (nm):	604	R7:	85.1	R15:	71.7	
Dominant Wavelength (nm):	581	R8:	61.9			
Purity:	55.16339					

Rf:	81.5
Rg:	99.2



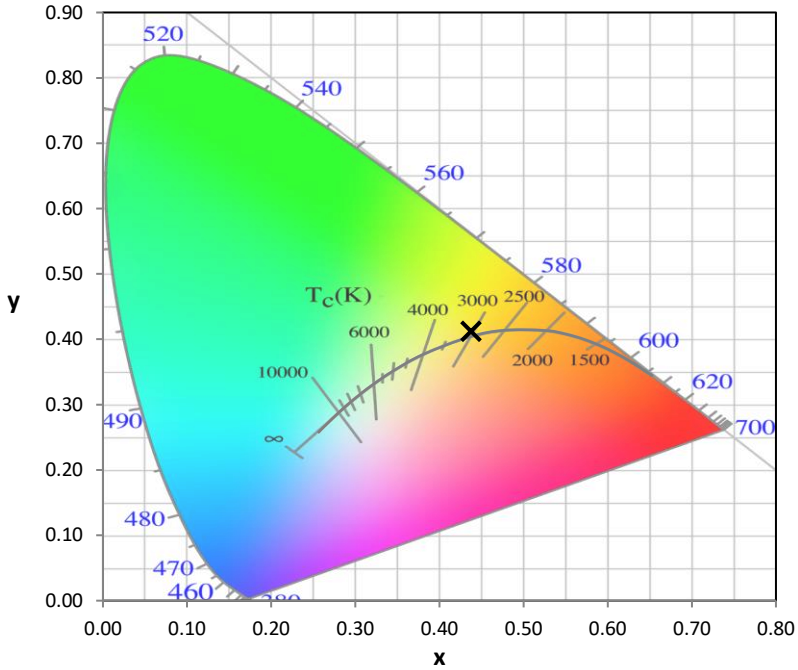
Test Conditions

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

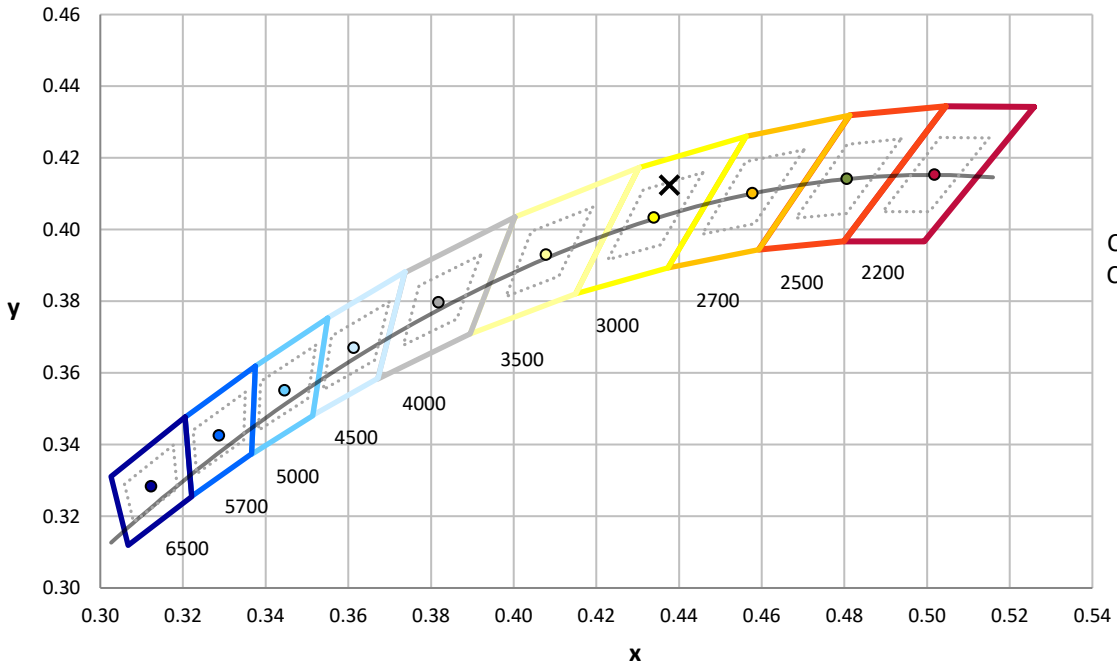
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

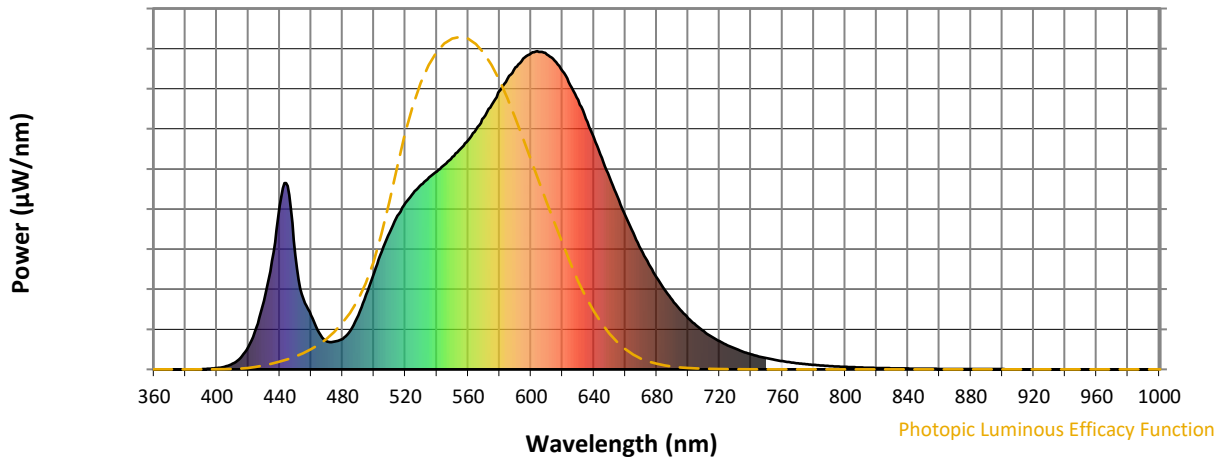


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

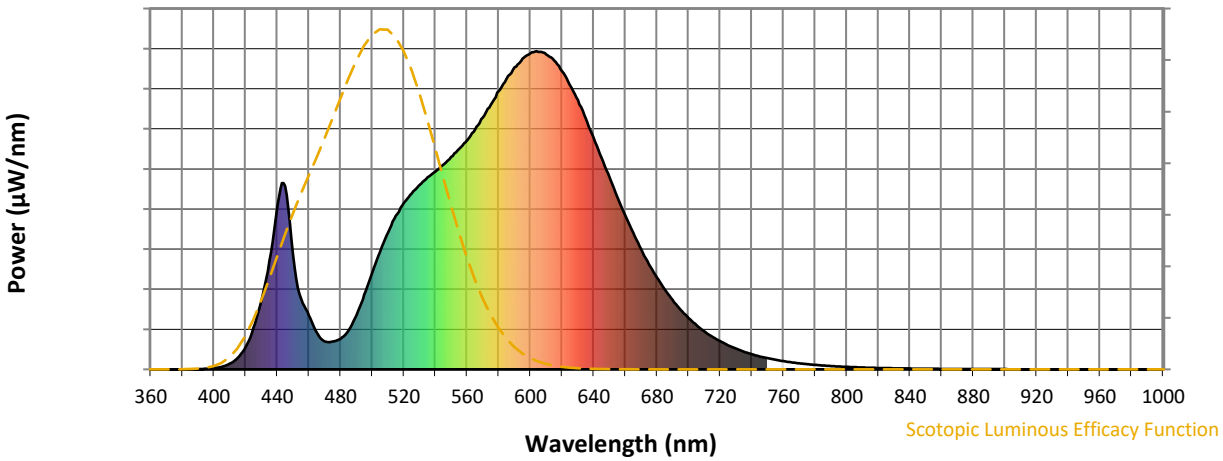


Photopic Lumens: NR

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

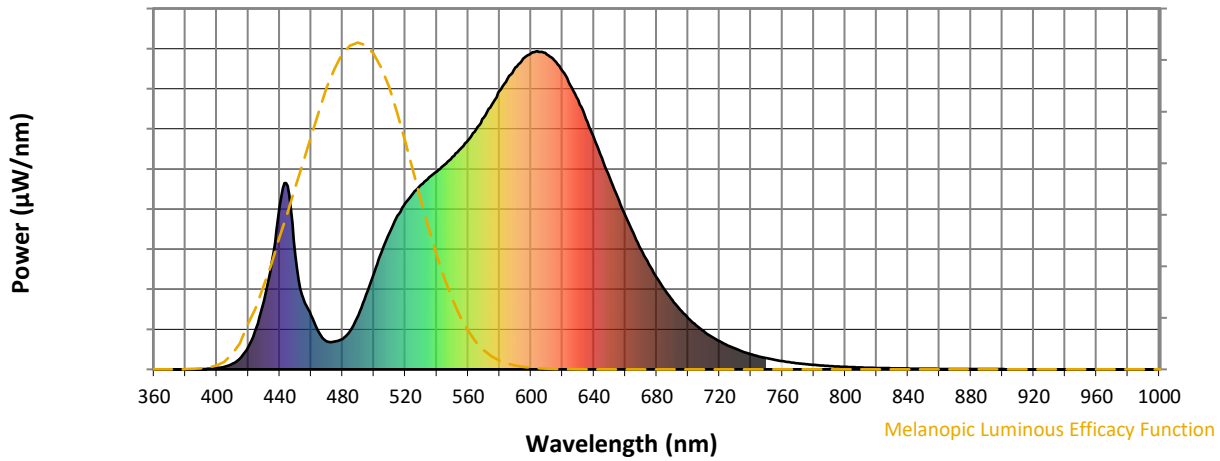


Scotopic Lumens: NR **S/P: 1.28**

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 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			

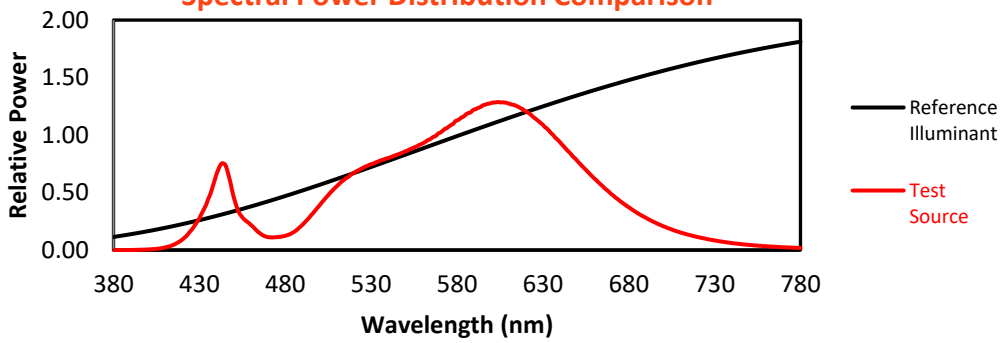
REPORT NUMBER: SP1-2407-184-9

TM-30-18

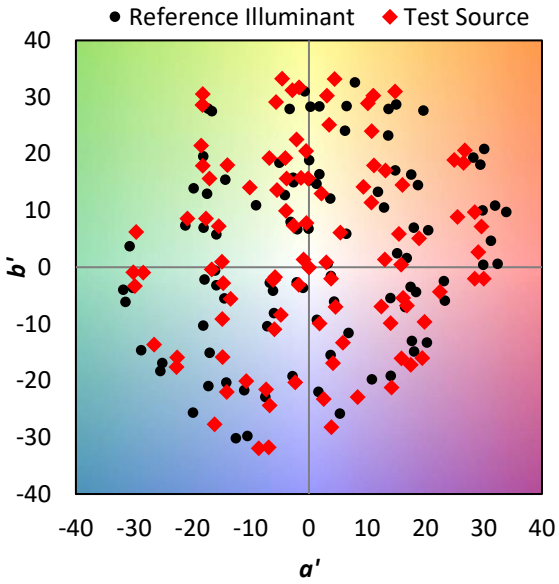
Summary

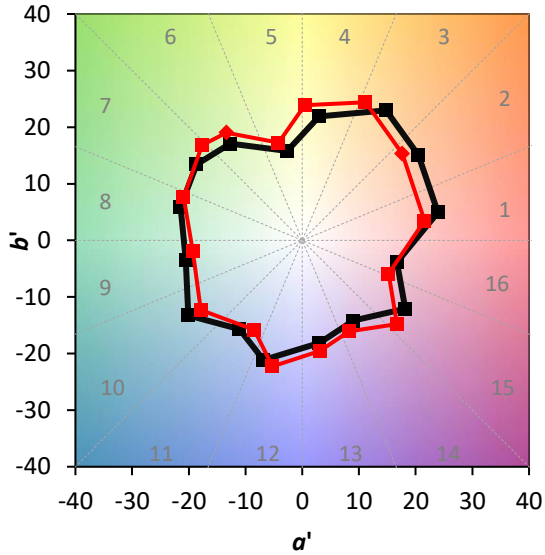
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

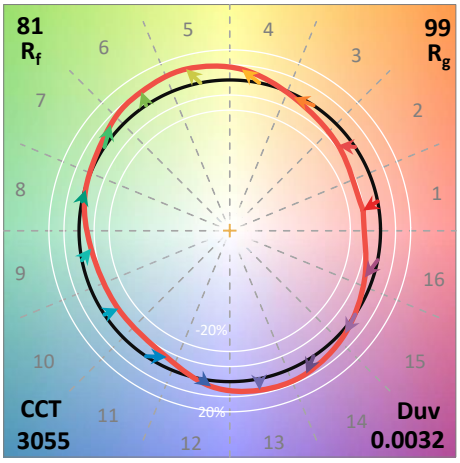
Spectral Power Distribution Comparison

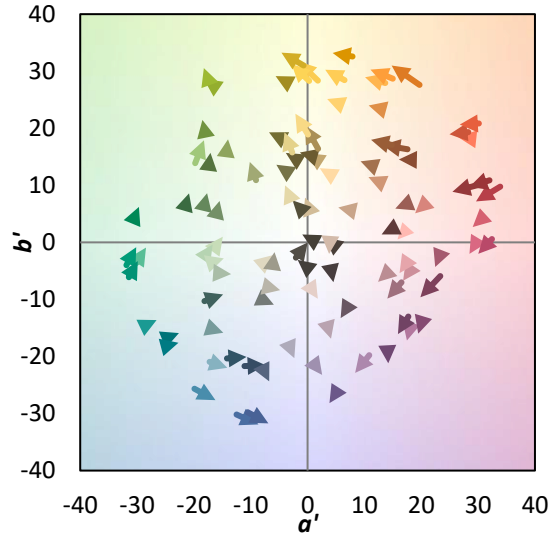


Color Vector Graphics



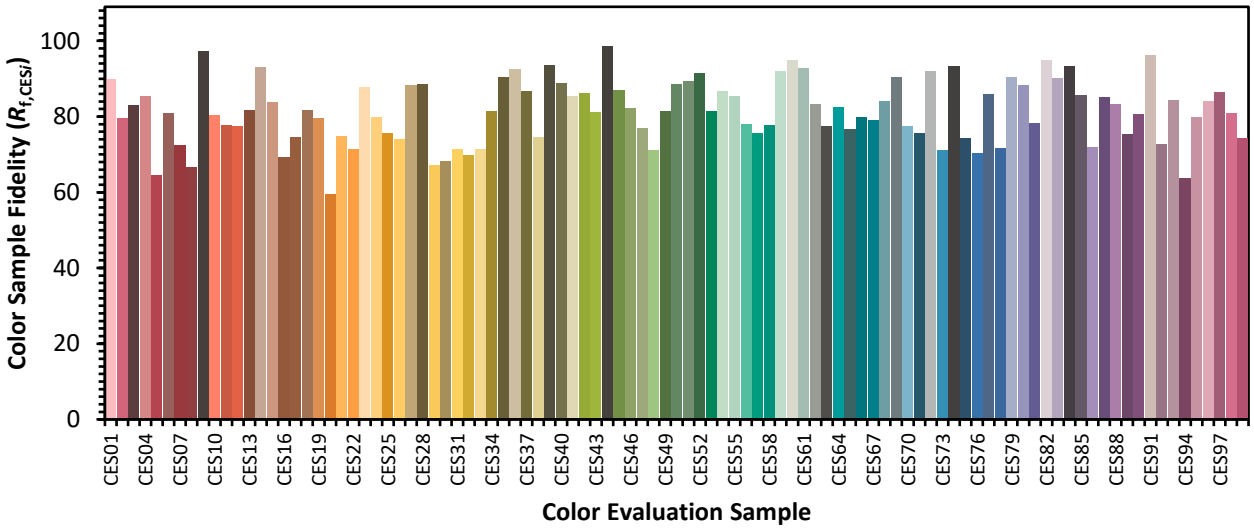




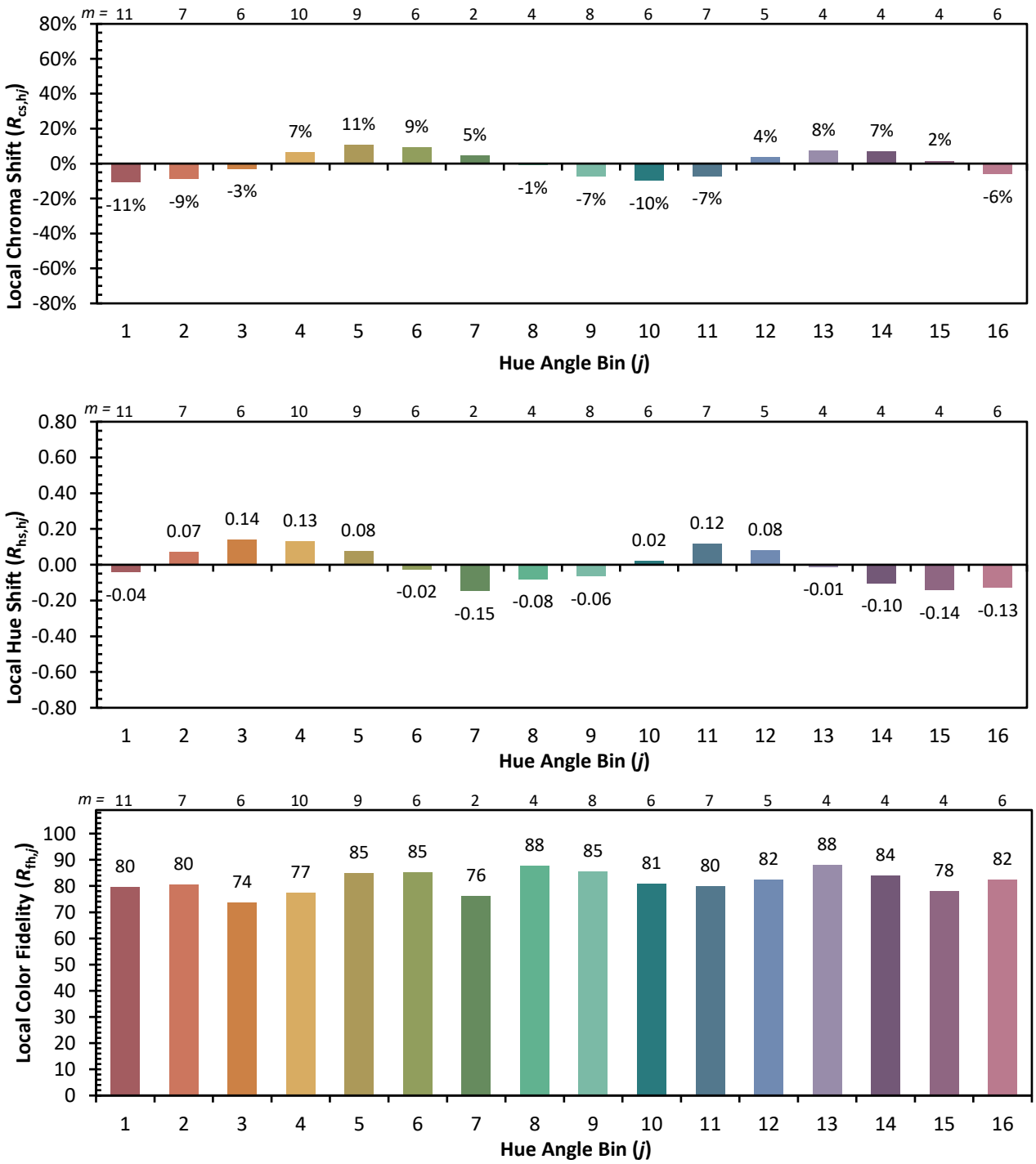


Individual Sample Fidelity Index ($R_{f,i}$)

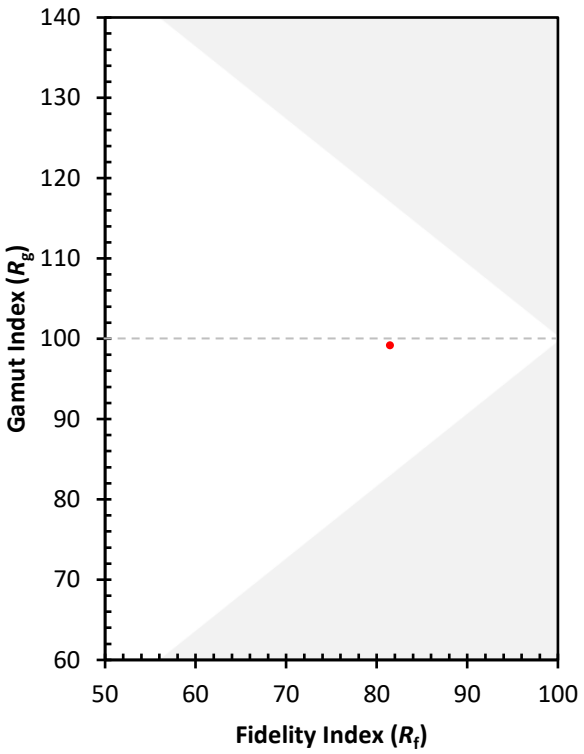
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

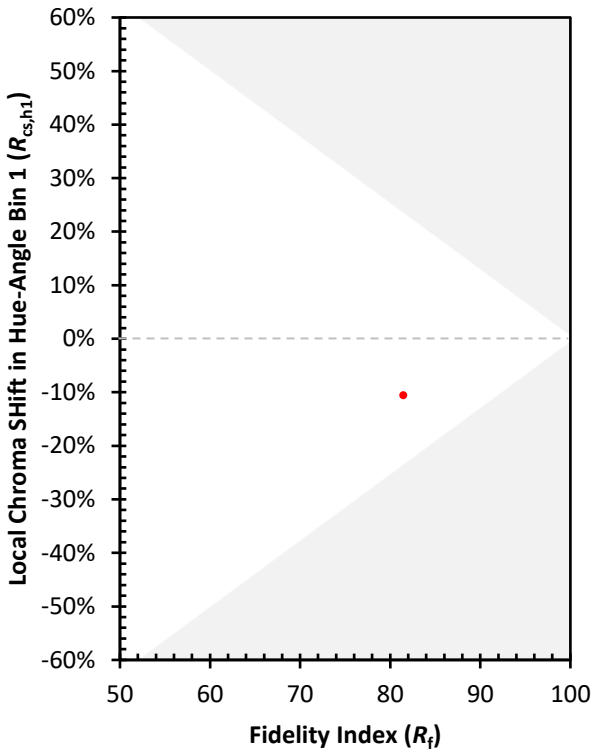


Color Rendition by Hue-Angle Bin



Measure Comparisons





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