

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: P1067836

Luminaire Tested: **NAV-SA4D-830-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067836
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-830-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 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: 16650.5 lumens
Efficiency: N/A
Efficacy: 76.1 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): 218.9
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

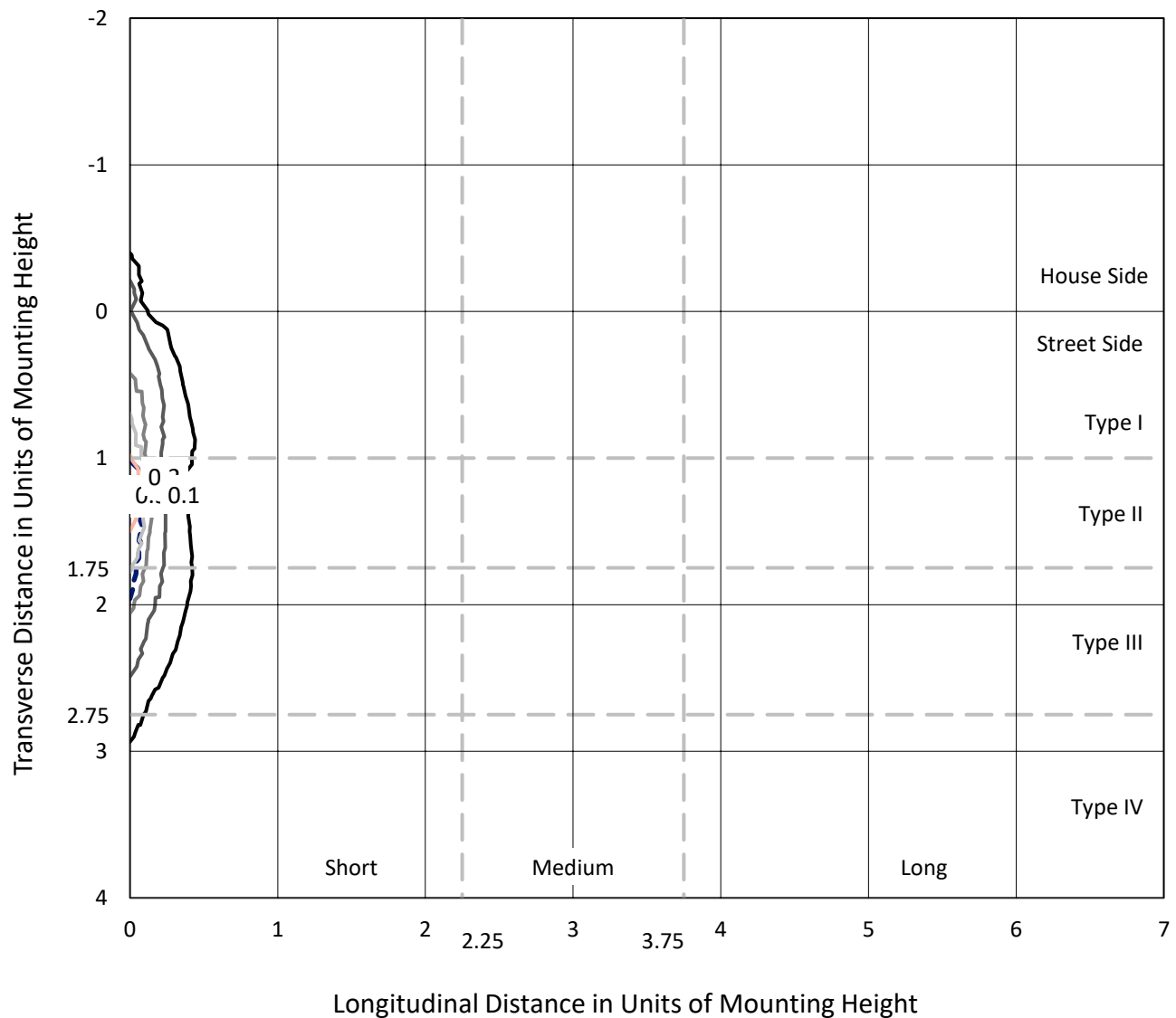


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Iso-Footcandle Lines of Horizontal Illumination

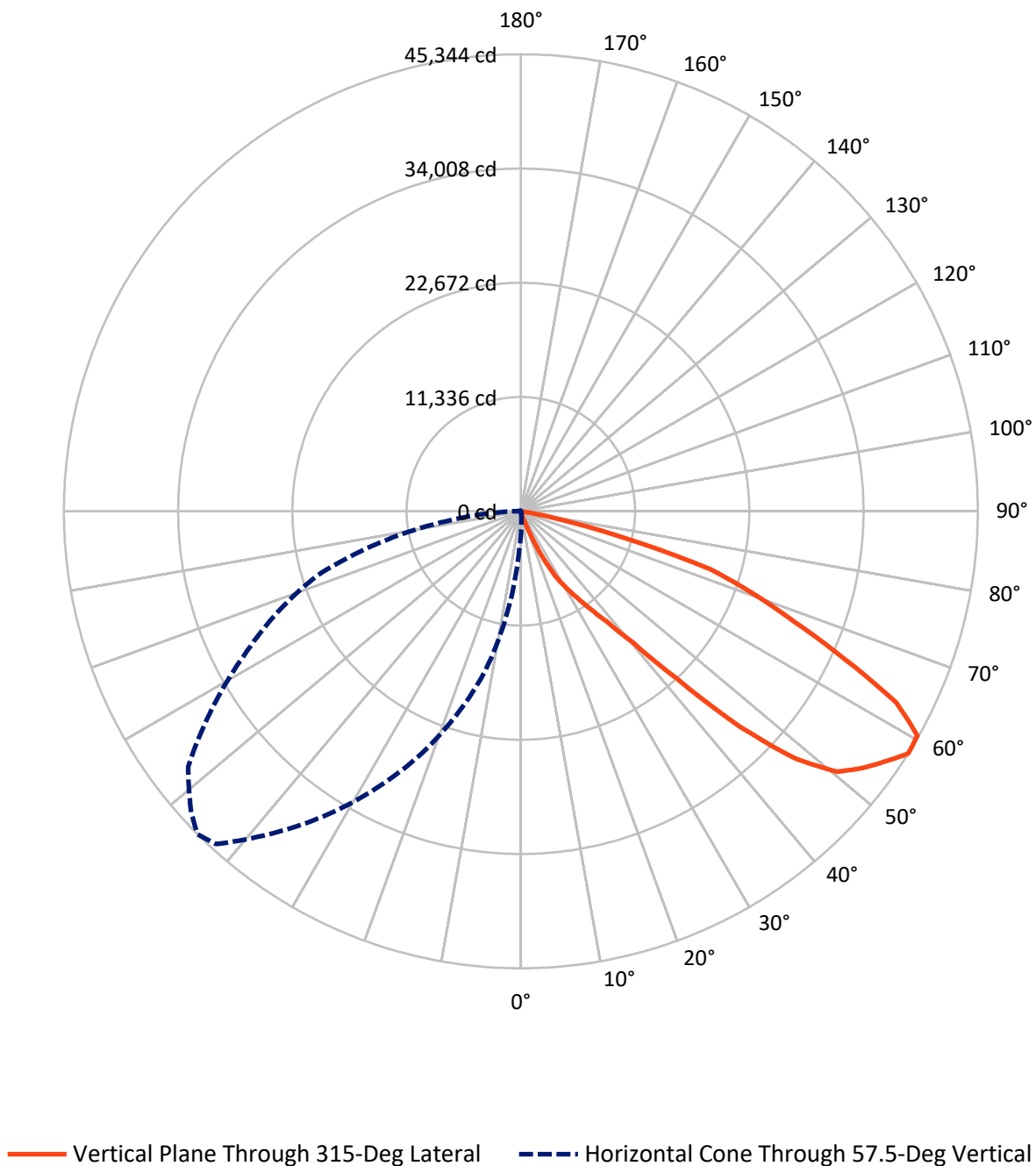
× Max cd
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Luminous Intensity Polar Plot



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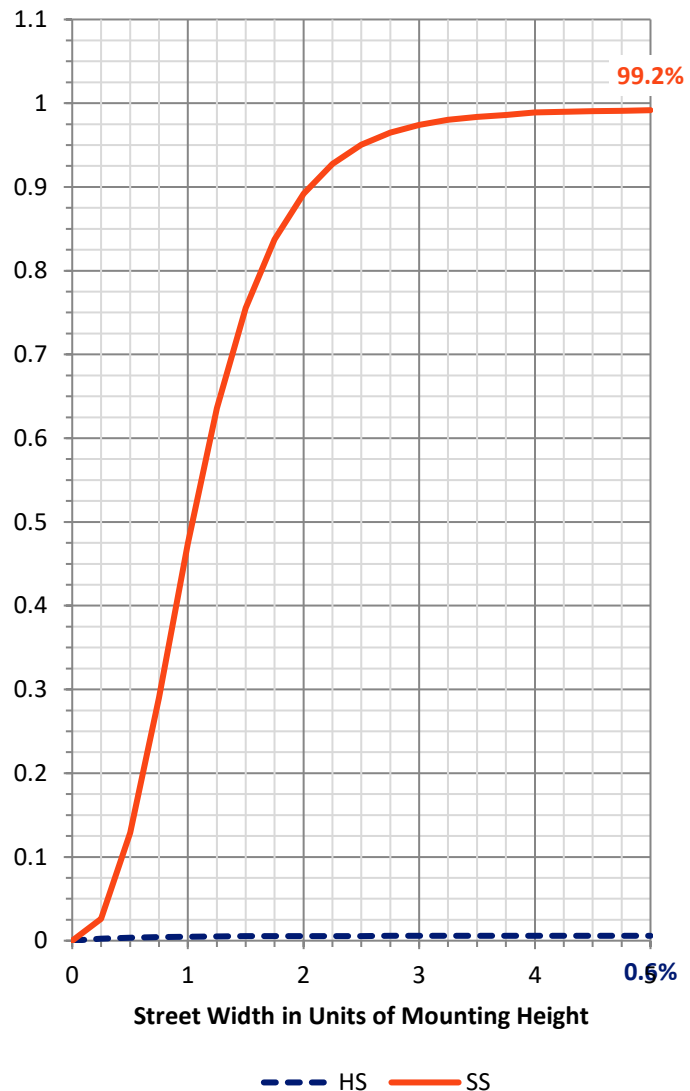
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	99.0	0.0	99.0
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	16551.4	0.0	16551.4
	% Fixture	99.4	0.0	99.4
Total	Lumens	16650.4	0.0	16650.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.0
10°-20°	24.4	0.1
20°-30°	310.8	1.9
30°-40°	1047.4	6.3
40°-50°	3163.1	19.0
50°-60°	5580.7	33.5
60°-70°	4916.6	29.5
70°-80°	1565.0	9.4
80°-90°	37.7	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°	16650.4	100.0
0°-180°	16650.5	100.0



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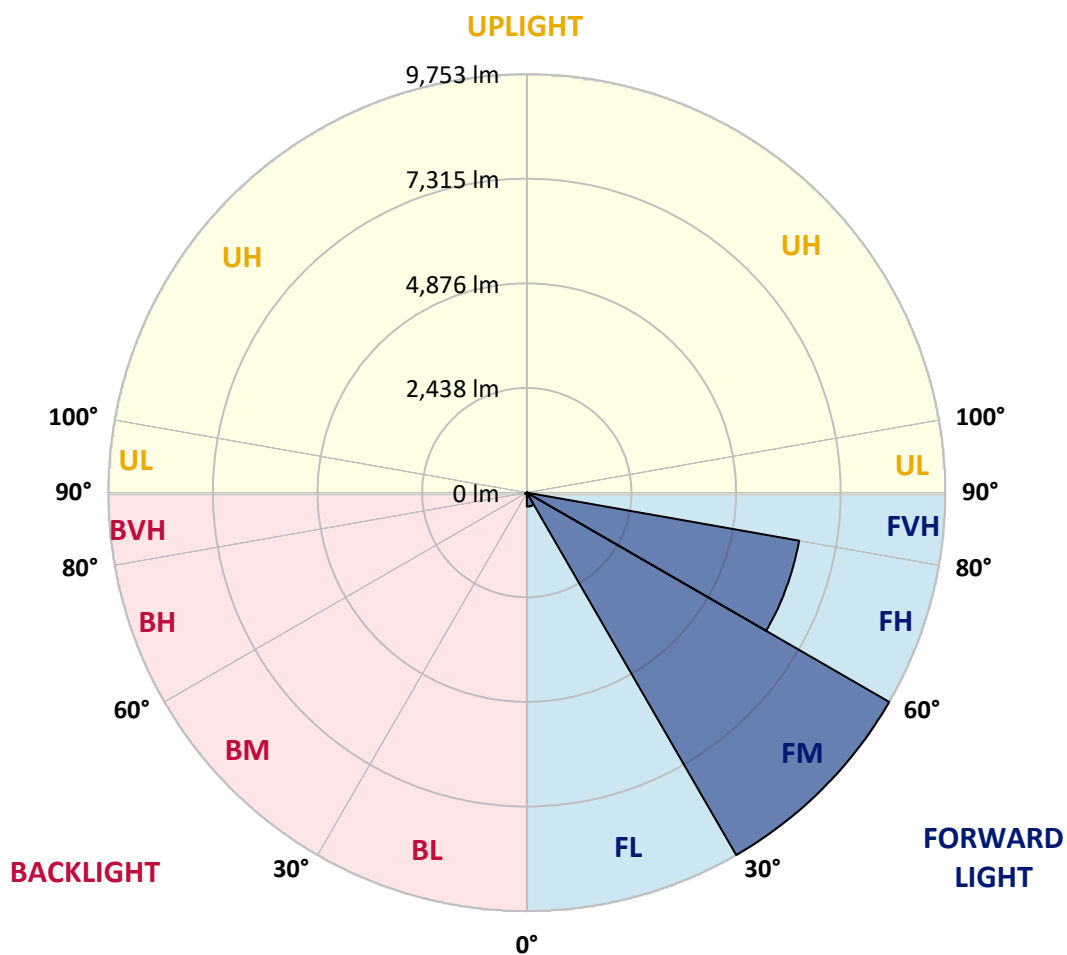
CATALOG NUMBER: NAV-SA4D-830-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.3	2.0			
FM	(30°-60°)	9752.7	58.6			
FH	(60°-80°)	6442.8	38.7			G3/7500
FVH	(80°-90°)	30.6	0.2			G1/100
BL	(0°-30°)	14.8	0.1	B0/110		
BM	(30°-60°)	38.4	0.2	B0/220		
BH	(60°-80°)	38.8	0.2	B0/110		G0/110
BVH	(80°-90°)	7.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	36.6
5°	52.2	52.2	52.2	47.0	47.0	47.0	41.8	41.8	41.8	41.8	41.8
7.5°	62.7	57.4	57.4	52.2	52.2	52.2	47.0	47.0	47.0	47.0	41.8
10°	73.1	67.9	67.9	62.7	62.7	57.4	57.4	52.2	52.2	47.0	47.0
12.5°	83.5	78.3	73.1	67.9	67.9	62.7	62.7	57.4	57.4	52.2	52.2
15°	94.0	88.8	83.5	78.3	73.1	73.1	67.9	62.7	57.4	57.4	52.2
17.5°	109.7	99.2	94.0	83.5	78.3	73.1	67.9	62.7	62.7	57.4	57.4
20°	114.9	104.4	99.2	88.8	83.5	78.3	73.1	67.9	62.7	62.7	57.4
22.5°	135.8	114.9	109.7	99.2	94.0	88.8	78.3	73.1	67.9	62.7	57.4
25°	167.1	135.8	120.1	104.4	99.2	88.8	83.5	73.1	67.9	62.7	57.4
27.5°	203.6	151.4	135.8	114.9	104.4	94.0	83.5	73.1	67.9	62.7	57.4
30°	250.6	177.5	151.4	125.3	114.9	104.4	88.8	78.3	73.1	67.9	57.4
32.5°	349.8	219.3	177.5	135.8	120.1	109.7	94.0	78.3	73.1	67.9	57.4
35°	422.9	266.3	214.1	156.6	135.8	120.1	99.2	78.3	73.1	67.9	57.4
37.5°	490.8	271.5	219.3	167.1	146.2	125.3	99.2	78.3	73.1	67.9	57.4
40°	600.5	282.0	219.3	156.6	141.0	120.1	104.4	83.5	78.3	67.9	62.7
42.5°	809.3	323.7	235.0	146.2	130.5	120.1	104.4	88.8	78.3	73.1	62.7
45°	1347.2	480.4	318.5	151.4	135.8	120.1	104.4	88.8	83.5	73.1	67.9
47.5°	2292.3	835.5	496.1	156.6	141.0	120.1	104.4	83.5	78.3	73.1	62.7
50°	2934.5	1070.4	626.6	182.8	156.6	135.8	109.7	83.5	78.3	73.1	67.9
52.5°	3117.3	1138.3	678.8	214.1	182.8	151.4	114.9	83.5	78.3	78.3	73.1
55°	2856.2	1107.0	678.8	250.6	208.9	172.3	130.5	88.8	83.5	83.5	78.3
57.5°	2428.0	1023.4	647.5	271.5	229.7	182.8	141.0	94.0	88.8	88.8	83.5
60°	1999.9	861.6	584.8	302.9	255.9	208.9	161.9	114.9	109.7	104.4	94.0
62.5°	1587.4	694.5	511.7	323.7	276.7	224.5	177.5	125.3	120.1	114.9	109.7
65°	1195.7	605.7	475.2	339.4	287.2	235.0	182.8	130.5	125.3	125.3	120.1
67.5°	919.0	553.5	454.3	349.8	297.6	245.4	193.2	141.0	135.8	130.5	125.3
70°	725.8	511.7	428.2	344.6	297.6	250.6	198.4	151.4	141.0	135.8	125.3
72.5°	605.7	464.7	396.8	329.0	292.4	255.9	219.3	182.8	161.9	146.2	125.3
75°	506.5	417.7	360.3	297.6	271.5	250.6	224.5	198.4	172.3	146.2	120.1
77.5°	334.2	302.9	276.7	250.6	235.0	219.3	198.4	182.8	156.6	135.8	109.7
80°	141.0	130.5	135.8	135.8	135.8	135.8	130.5	130.5	114.9	99.2	78.3
82.5°	31.3	26.1	31.3	31.3	31.3	31.3	26.1	26.1	26.1	20.9	20.9
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



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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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
5°	41.8	41.8	41.8	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
7.5°	41.8	41.8	41.8	36.6	36.6	36.6	36.6	31.3	31.3	31.3	31.3
10°	41.8	41.8	41.8	36.6	36.6	36.6	36.6	31.3	31.3	31.3	31.3
12.5°	47.0	47.0	41.8	41.8	36.6	36.6	36.6	31.3	31.3	31.3	31.3
15°	47.0	47.0	41.8	41.8	36.6	36.6	36.6	31.3	31.3	31.3	31.3
17.5°	52.2	47.0	47.0	41.8	36.6	36.6	36.6	31.3	31.3	31.3	31.3
20°	52.2	47.0	47.0	41.8	36.6	36.6	36.6	31.3	31.3	31.3	31.3
22.5°	52.2	47.0	47.0	41.8	36.6	36.6	31.3	31.3	26.1	26.1	20.9
25°	52.2	47.0	47.0	41.8	36.6	36.6	31.3	31.3	26.1	20.9	20.9
27.5°	52.2	47.0	47.0	41.8	36.6	31.3	31.3	26.1	20.9	15.7	15.7
30°	52.2	47.0	47.0	41.8	36.6	31.3	26.1	20.9	15.7	15.7	10.4
32.5°	52.2	47.0	41.8	36.6	31.3	26.1	26.1	20.9	15.7	10.4	10.4
35°	52.2	47.0	41.8	36.6	31.3	26.1	26.1	20.9	15.7	10.4	10.4
37.5°	52.2	47.0	41.8	36.6	31.3	26.1	20.9	15.7	10.4	10.4	5.2
40°	52.2	47.0	41.8	36.6	31.3	26.1	20.9	15.7	10.4	10.4	5.2
42.5°	52.2	47.0	41.8	36.6	31.3	26.1	20.9	15.7	10.4	10.4	5.2
45°	57.4	52.2	47.0	36.6	31.3	26.1	26.1	20.9	15.7	10.4	10.4
47.5°	57.4	52.2	47.0	36.6	31.3	26.1	26.1	20.9	15.7	10.4	10.4
50°	62.7	57.4	52.2	41.8	36.6	31.3	26.1	15.7	10.4	10.4	5.2
52.5°	67.9	62.7	57.4	52.2	47.0	36.6	26.1	15.7	5.2	5.2	5.2
55°	73.1	67.9	67.9	62.7	57.4	41.8	31.3	15.7	0.0	0.0	0.0
57.5°	78.3	73.1	73.1	67.9	62.7	47.0	31.3	15.7	0.0	0.0	0.0
60°	88.8	83.5	78.3	67.9	62.7	47.0	31.3	15.7	0.0	0.0	0.0
62.5°	104.4	94.0	78.3	67.9	52.2	41.8	26.1	15.7	0.0	0.0	0.0
65°	114.9	99.2	83.5	62.7	47.0	36.6	26.1	10.4	0.0	0.0	0.0
67.5°	120.1	99.2	83.5	62.7	41.8	31.3	20.9	10.4	0.0	0.0	0.0
70°	114.9	94.0	78.3	57.4	36.6	26.1	20.9	10.4	0.0	0.0	0.0
72.5°	104.4	88.8	67.9	52.2	31.3	26.1	15.7	10.4	0.0	0.0	0.0
75°	94.0	78.3	57.4	41.8	20.9	15.7	10.4	5.2	0.0	0.0	0.0
77.5°	83.5	67.9	47.0	31.3	10.4	10.4	5.2	5.2	0.0	0.0	0.0
80°	62.7	47.0	31.3	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.7	10.4	10.4	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
5°	31.3	31.3	31.3	31.3	26.1	26.1	26.1	26.1	26.1	26.1	26.1
7.5°	31.3	31.3	31.3	31.3	26.1	26.1	26.1	26.1	20.9	20.9	20.9
10°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	20.9	20.9	20.9
12.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	20.9	20.9	20.9
15°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	20.9	20.9	15.7	15.7
17.5°	26.1	26.1	26.1	26.1	20.9	20.9	20.9	15.7	15.7	10.4	10.4
20°	26.1	26.1	26.1	20.9	20.9	15.7	15.7	10.4	10.4	5.2	5.2
22.5°	20.9	15.7	15.7	10.4	10.4	5.2	5.2	5.2	0.0	0.0	0.0
25°	15.7	10.4	10.4	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	10.4	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	10.4	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	31.3	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
5°	26.1	26.1	26.1	26.1	20.9	20.9	20.9	20.9	20.9	20.9	20.9
7.5°	20.9	20.9	20.9	20.9	20.9	20.9	15.7	15.7	15.7	15.7	15.7
10°	20.9	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	10.4	10.4
12.5°	20.9	15.7	15.7	15.7	10.4	10.4	10.4	10.4	10.4	5.2	5.2
15°	15.7	10.4	10.4	10.4	5.2	5.2	5.2	5.2	5.2	0.0	0.0
17.5°	10.4	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	31.3	31.3
5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
7.5°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
10°	10.4	10.4	10.4	10.4	10.4	10.4	5.2	5.2	5.2	5.2	5.2
12.5°	5.2	5.2	5.2	5.2	5.2	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	31.3	31.3	31.3	31.3	31.3	36.6	36.6	41.8	41.8	47.0	47.0
5°	20.9	20.9	26.1	26.1	26.1	26.1	31.3	31.3	31.3	36.6	36.6
7.5°	15.7	15.7	15.7	15.7	15.7	20.9	20.9	26.1	26.1	31.3	31.3
10°	5.2	5.2	10.4	10.4	10.4	10.4	15.7	15.7	15.7	20.9	26.1
12.5°	0.0	0.0	5.2	5.2	5.2	5.2	10.4	10.4	10.4	15.7	20.9
15°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	10.4	15.7
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	52.2	52.2	57.4	57.4	62.7	62.7	67.9	67.9	67.9	67.9	67.9
5°	41.8	41.8	47.0	52.2	52.2	57.4	62.7	62.7	62.7	62.7	62.7
7.5°	36.6	36.6	41.8	47.0	47.0	52.2	57.4	57.4	62.7	62.7	62.7
10°	26.1	31.3	36.6	41.8	41.8	47.0	52.2	52.2	57.4	57.4	57.4
12.5°	20.9	26.1	31.3	36.6	36.6	41.8	47.0	47.0	52.2	52.2	57.4
15°	15.7	20.9	26.1	31.3	31.3	36.6	41.8	41.8	47.0	52.2	57.4
17.5°	10.4	15.7	20.9	26.1	26.1	31.3	36.6	41.8	47.0	47.0	52.2
20°	10.4	10.4	15.7	20.9	20.9	26.1	31.3	36.6	41.8	41.8	47.0
22.5°	5.2	5.2	10.4	15.7	15.7	20.9	26.1	31.3	36.6	36.6	41.8
25°	0.0	0.0	5.2	10.4	10.4	15.7	20.9	20.9	26.1	26.1	31.3
27.5°	0.0	0.0	5.2	5.2	10.4	10.4	15.7	15.7	20.9	20.9	26.1
30°	0.0	0.0	5.2	5.2	10.4	10.4	15.7	15.7	20.9	20.9	20.9
32.5°	0.0	0.0	0.0	5.2	5.2	5.2	10.4	10.4	15.7	15.7	20.9
35°	0.0	0.0	0.0	5.2	5.2	5.2	10.4	10.4	15.7	15.7	15.7
37.5°	0.0	0.0	0.0	5.2	5.2	5.2	10.4	10.4	10.4	10.4	15.7
40°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
45°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
50°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
55°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	10.4	10.4	10.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	10.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	67.9	67.9
5°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	62.7	62.7
7.5°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	62.7	62.7
10°	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
12.5°	57.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
15°	57.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
17.5°	52.2	57.4	57.4	57.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7
20°	47.0	52.2	52.2	52.2	57.4	57.4	57.4	57.4	62.7	62.7	62.7
22.5°	41.8	47.0	47.0	47.0	52.2	52.2	52.2	52.2	57.4	57.4	57.4
25°	36.6	36.6	41.8	41.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0
27.5°	26.1	31.3	31.3	31.3	36.6	36.6	36.6	36.6	41.8	41.8	41.8
30°	26.1	26.1	26.1	26.1	31.3	31.3	31.3	31.3	36.6	36.6	36.6
32.5°	20.9	26.1	26.1	26.1	31.3	31.3	31.3	31.3	36.6	36.6	36.6
35°	20.9	20.9	20.9	20.9	26.1	26.1	26.1	26.1	31.3	31.3	31.3
37.5°	15.7	20.9	20.9	20.9	26.1	26.1	26.1	26.1	31.3	31.3	31.3
40°	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9	26.1	26.1	26.1
42.5°	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9	26.1	26.1	26.1
45°	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9	26.1	26.1	26.1
47.5°	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9	26.1	26.1	26.1
50°	15.7	15.7	15.7	15.7	20.9	20.9	20.9	20.9	26.1	26.1	26.1
52.5°	10.4	10.4	10.4	10.4	15.7	15.7	15.7	15.7	20.9	20.9	20.9
55°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	15.7	15.7	15.7
57.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	15.7	15.7	15.7
60°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
62.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
65°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	5.2	5.2
67.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
72.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
77.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
80°	15.7	15.7	15.7	15.7	15.7	10.4	10.4	10.4	10.4	10.4	10.4
82.5°	10.4	15.7	15.7	15.7	15.7	10.4	10.4	10.4	10.4	10.4	10.4
85°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	67.9	67.9	62.7	62.7	62.7	62.7	62.7	62.7	62.7	67.9	67.9
5°	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	67.9	67.9
7.5°	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	67.9	67.9
10°	62.7	62.7	62.7	62.7	57.4	57.4	62.7	62.7	62.7	67.9	67.9
12.5°	62.7	62.7	62.7	62.7	57.4	57.4	62.7	62.7	67.9	67.9	73.1
15°	62.7	62.7	57.4	57.4	57.4	57.4	62.7	62.7	67.9	67.9	73.1
17.5°	62.7	62.7	57.4	57.4	57.4	57.4	62.7	62.7	67.9	67.9	73.1
20°	62.7	62.7	57.4	57.4	57.4	57.4	57.4	57.4	62.7	67.9	67.9
22.5°	57.4	57.4	57.4	57.4	52.2	52.2	57.4	57.4	62.7	67.9	67.9
25°	47.0	52.2	52.2	52.2	52.2	52.2	57.4	57.4	62.7	67.9	67.9
27.5°	41.8	47.0	47.0	47.0	47.0	52.2	52.2	57.4	62.7	67.9	67.9
30°	36.6	41.8	41.8	41.8	47.0	52.2	52.2	57.4	62.7	67.9	67.9
32.5°	36.6	41.8	41.8	41.8	47.0	47.0	52.2	52.2	57.4	62.7	67.9
35°	36.6	36.6	41.8	41.8	41.8	47.0	47.0	52.2	57.4	62.7	67.9
37.5°	36.6	36.6	41.8	41.8	41.8	47.0	47.0	52.2	57.4	62.7	67.9
40°	31.3	36.6	36.6	41.8	41.8	47.0	47.0	52.2	57.4	67.9	73.1
42.5°	31.3	31.3	36.6	36.6	41.8	47.0	47.0	52.2	57.4	67.9	73.1
45°	31.3	36.6	36.6	41.8	47.0	52.2	52.2	57.4	62.7	67.9	73.1
47.5°	31.3	36.6	36.6	41.8	52.2	52.2	57.4	57.4	62.7	67.9	73.1
50°	31.3	36.6	36.6	41.8	57.4	57.4	57.4	57.4	62.7	67.9	73.1
52.5°	26.1	31.3	31.3	36.6	47.0	52.2	57.4	62.7	67.9	73.1	78.3
55°	20.9	26.1	26.1	31.3	41.8	47.0	57.4	67.9	73.1	78.3	83.5
57.5°	20.9	20.9	26.1	26.1	36.6	47.0	62.7	73.1	78.3	83.5	88.8
60°	15.7	15.7	20.9	20.9	31.3	41.8	57.4	73.1	78.3	88.8	94.0
62.5°	10.4	15.7	15.7	20.9	26.1	41.8	57.4	73.1	83.5	94.0	99.2
65°	10.4	10.4	15.7	15.7	26.1	36.6	52.2	62.7	78.3	94.0	109.7
67.5°	15.7	15.7	20.9	20.9	26.1	36.6	52.2	62.7	78.3	99.2	114.9
70°	15.7	15.7	20.9	20.9	31.3	41.8	52.2	62.7	78.3	99.2	114.9
72.5°	15.7	15.7	20.9	20.9	31.3	36.6	47.0	57.4	73.1	88.8	104.4
75°	10.4	15.7	15.7	15.7	26.1	31.3	41.8	52.2	67.9	83.5	99.2
77.5°	10.4	10.4	10.4	10.4	20.9	26.1	36.6	41.8	57.4	73.1	88.8
80°	10.4	10.4	10.4	10.4	15.7	20.9	31.3	36.6	52.2	67.9	83.5
82.5°	10.4	10.4	5.2	5.2	10.4	15.7	20.9	26.1	41.8	52.2	67.9
85°	10.4	10.4	5.2	5.2	5.2	10.4	10.4	15.7	20.9	26.1	31.3
87.5°	10.4	10.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	67.9	67.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
5°	67.9	73.1	73.1	78.3	78.3	78.3	83.5	83.5	83.5	83.5	83.5
7.5°	67.9	73.1	73.1	78.3	78.3	78.3	83.5	83.5	83.5	88.8	88.8
10°	67.9	73.1	73.1	78.3	78.3	83.5	88.8	88.8	94.0	94.0	94.0
12.5°	73.1	78.3	78.3	83.5	83.5	88.8	94.0	94.0	99.2	104.4	104.4
15°	73.1	78.3	83.5	83.5	88.8	94.0	99.2	99.2	104.4	109.7	114.9
17.5°	73.1	78.3	83.5	83.5	88.8	94.0	104.4	109.7	114.9	125.3	130.5
20°	73.1	78.3	83.5	83.5	88.8	99.2	104.4	114.9	120.1	130.5	141.0
22.5°	73.1	78.3	83.5	88.8	94.0	104.4	114.9	120.1	130.5	146.2	156.6
25°	73.1	78.3	83.5	88.8	94.0	104.4	114.9	125.3	135.8	156.6	177.5
27.5°	73.1	78.3	88.8	94.0	99.2	109.7	125.3	135.8	146.2	182.8	219.3
30°	73.1	78.3	88.8	94.0	99.2	114.9	130.5	141.0	156.6	219.3	276.7
32.5°	73.1	83.5	88.8	99.2	104.4	120.1	141.0	156.6	172.3	261.1	344.6
35°	73.1	83.5	88.8	99.2	104.4	125.3	146.2	167.1	188.0	318.5	449.1
37.5°	73.1	83.5	88.8	99.2	104.4	135.8	167.1	198.4	229.7	365.5	501.3
40°	78.3	88.8	94.0	104.4	109.7	141.0	172.3	203.6	235.0	370.7	506.5
42.5°	78.3	88.8	94.0	104.4	109.7	135.8	167.1	193.2	219.3	370.7	522.2
45°	78.3	88.8	99.2	104.4	114.9	141.0	167.1	188.0	214.1	407.3	595.3
47.5°	78.3	88.8	99.2	104.4	114.9	141.0	167.1	193.2	219.3	537.8	851.1
50°	78.3	88.8	99.2	104.4	114.9	146.2	177.5	208.9	240.2	804.1	1368.1
52.5°	83.5	88.8	99.2	104.4	109.7	146.2	182.8	219.3	255.9	1044.3	1827.6
55°	88.8	94.0	99.2	104.4	109.7	156.6	203.6	250.6	297.6	1122.6	1942.4
57.5°	94.0	99.2	104.4	104.4	109.7	167.1	229.7	287.2	344.6	1117.4	1885.0
60°	99.2	104.4	109.7	114.9	120.1	177.5	240.2	297.6	355.1	1013.0	1670.9
62.5°	109.7	120.1	130.5	135.8	146.2	203.6	255.9	313.3	365.5	830.2	1289.7
65°	125.3	135.8	141.0	151.4	156.6	208.9	266.3	318.5	370.7	689.2	1002.5
67.5°	130.5	141.0	146.2	156.6	161.9	214.1	266.3	318.5	370.7	584.8	793.7
70°	130.5	141.0	151.4	156.6	167.1	219.3	266.3	318.5	365.5	506.5	647.5
72.5°	120.1	135.8	146.2	161.9	172.3	219.3	261.1	308.1	349.8	449.1	548.3
75°	114.9	135.8	151.4	172.3	188.0	219.3	255.9	287.2	318.5	391.6	464.7
77.5°	104.4	130.5	156.6	182.8	208.9	229.7	245.4	266.3	282.0	329.0	376.0
80°	99.2	125.3	151.4	177.5	203.6	214.1	219.3	229.7	235.0	240.2	245.4
82.5°	78.3	99.2	120.1	135.8	156.6	146.2	141.0	130.5	120.1	114.9	109.7
85°	36.6	41.8	41.8	47.0	47.0	47.0	41.8	41.8	36.6	31.3	26.1
87.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	73.1	73.1	73.1	73.1	67.9	67.9	67.9	67.9	62.7	62.7	62.7
5°	83.5	83.5	83.5	83.5	78.3	78.3	78.3	78.3	73.1	73.1	73.1
7.5°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
10°	99.2	99.2	99.2	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
12.5°	109.7	109.7	114.9	114.9	120.1	120.1	125.3	125.3	130.5	130.5	130.5
15°	120.1	125.3	130.5	135.8	135.8	141.0	146.2	151.4	156.6	161.9	167.1
17.5°	141.0	146.2	156.6	167.1	177.5	188.0	203.6	224.5	240.2	255.9	276.7
20°	156.6	172.3	203.6	240.2	271.5	302.9	381.2	459.5	537.8	616.1	694.5
22.5°	188.0	219.3	323.7	433.4	537.8	642.3	887.7	1133.1	1373.3	1618.7	1838.0
25°	250.6	318.5	558.7	798.9	1033.9	1274.1	1712.7	2156.5	2595.1	3033.7	3441.0
27.5°	344.6	469.9	861.6	1258.4	1650.0	2041.6	2678.7	3320.9	3958.0	4600.2	5169.4
30°	480.4	684.0	1268.8	1858.9	2443.7	3028.5	3832.6	4642.0	5446.1	6250.2	6772.4
32.5°	652.7	955.5	1697.0	2438.5	3179.9	3921.4	4809.1	5696.7	6579.2	7466.9	8020.3
35°	835.5	1221.8	2114.7	3012.9	3905.7	4803.9	5738.5	6673.2	7607.8	8542.5	9221.3
37.5°	939.9	1378.5	2438.5	3498.5	4553.2	5613.2	6636.6	7665.3	8688.7	9712.1	10537.1
40°	1039.1	1566.5	2788.3	4010.2	5232.0	6453.9	7649.6	8845.4	10041.1	11236.8	12296.8
42.5°	1185.3	1848.4	3273.9	4699.4	6119.7	7545.2	9116.9	10693.8	12265.5	13837.2	15466.3
45°	1488.2	2381.0	4229.5	6077.9	7921.1	9769.6	11999.2	14234.0	16463.6	18698.5	20787.1
47.5°	2219.2	3582.0	6104.0	8626.0	11148.1	13670.1	16239.1	18808.1	21377.1	23946.2	26431.6
50°	3435.8	5498.3	8652.2	11806.0	14954.6	18108.4	20672.2	23236.0	25794.6	28358.4	30828.2
52.5°	4579.3	7331.1	10719.9	14113.9	17502.7	20896.8	23168.1	25439.5	27710.9	29982.3	32373.8
55°	4970.9	7994.2	11424.8	14860.6	18291.2	21727.0	23914.8	26107.9	28295.7	30483.6	32963.8
57.5°	4626.3	7367.6	10824.3	14281.0	17732.5	21189.2	23632.9	26081.8	28525.5	30974.4	33632.2
60°	3874.4	6072.7	9701.7	13335.9	16964.9	20593.9	23350.9	26107.9	28864.9	31621.9	34274.4
62.5°	3070.3	4845.6	8688.7	12531.8	16374.9	20218.0	23021.9	25831.2	28635.1	31439.1	33475.5
65°	2354.9	3707.3	7487.7	11273.4	15053.8	18839.5	21137.0	23439.7	25737.2	28039.9	29449.7
67.5°	1749.2	2704.8	6010.0	9320.5	12625.8	15931.0	17622.8	19319.8	21011.6	22708.6	23805.2
70°	1289.7	1926.8	4177.3	6427.8	8673.0	10923.5	12474.4	14025.2	15570.7	17121.6	18259.9
72.5°	892.9	1232.3	2579.5	3931.8	5279.0	6626.2	8197.9	9769.6	11336.0	12907.7	14202.7
75°	610.9	757.1	1388.9	2020.8	2652.6	3284.4	4474.9	5665.4	6855.9	8046.5	8730.5
77.5°	454.3	532.6	720.6	913.8	1101.8	1289.7	1519.5	1749.2	1979.0	2208.7	2506.4
80°	250.6	250.6	276.7	297.6	323.7	344.6	407.3	475.2	537.8	605.7	689.2
82.5°	114.9	120.1	130.5	141.0	146.2	156.6	167.1	177.5	188.0	198.4	198.4
85°	31.3	36.6	36.6	31.3	31.3	26.1	26.1	31.3	31.3	31.3	31.3
87.5°	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	62.7	57.4	57.4	57.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2
5°	73.1	73.1	73.1	73.1	67.9	67.9	67.9	67.9	67.9	62.7	62.7
7.5°	88.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	78.3	78.3
10°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	99.2	99.2
12.5°	130.5	130.5	130.5	130.5	135.8	135.8	130.5	130.5	130.5	125.3	125.3
15°	172.3	177.5	182.8	182.8	188.0	188.0	188.0	182.8	182.8	177.5	172.3
17.5°	292.4	308.1	329.0	349.8	370.7	386.4	386.4	376.0	365.5	355.1	344.6
20°	778.0	856.3	939.9	1023.4	1112.2	1174.9	1133.1	1101.8	1070.4	1033.9	1002.5
22.5°	2062.5	2281.8	2506.4	2663.0	2819.7	2929.3	2840.5	2668.2	2495.9	2328.8	2156.5
25°	3848.3	4250.4	4657.6	4824.7	4997.1	5122.4	5064.9	4803.9	4542.8	4286.9	4025.8
27.5°	5738.5	6302.4	6871.6	7017.8	7164.0	7273.7	7252.8	6913.4	6574.0	6234.6	5895.2
30°	7294.5	7816.7	8338.9	8485.1	8631.3	8730.5	8620.8	8281.4	7942.0	7602.6	7263.2
32.5°	8579.1	9132.5	9691.3	9884.4	10077.6	10208.2	10077.6	9670.4	9263.1	8861.0	8453.7
35°	9900.1	10573.7	11252.5	11497.9	11743.3	11900.0	11680.7	11179.4	10678.1	10182.1	9680.8
37.5°	11362.2	12181.9	13007.0	13341.1	13680.5	13915.5	13748.4	13121.8	12490.0	11863.4	11231.6
40°	13362.0	14422.0	15487.2	16087.7	16682.9	17105.9	16808.3	16082.5	15351.4	14625.6	13894.6
42.5°	17100.7	18729.8	20358.9	21220.5	22076.8	22698.2	22364.0	21471.1	20578.2	19685.4	18792.5
45°	22875.7	24959.1	27047.8	28306.2	29569.8	30499.2	30112.8	28990.2	27862.3	26739.7	25617.1
47.5°	28917.1	31402.6	33888.0	34890.6	35898.4	36681.6	36587.6	35188.2	33788.8	32394.7	30995.3
50°	33303.2	35773.0	38242.8	39104.4	39971.2	40613.4	40373.3	38592.7	36806.9	35026.4	33240.6
52.5°	34765.3	37151.5	39543.0	40571.7	41600.3	42367.9	42075.5	40070.4	38065.3	36065.4	34060.4
55°	35444.1	37924.3	40404.6	41657.8	42916.2	43835.2	43412.2	41213.9	39010.4	36812.1	34608.6
57.5°	36290.0	38947.8	41605.5	42978.8	44352.1	45344.2	44780.3	42503.7	40227.0	37955.7	35679.1
60°	36927.0	39574.3	42226.9	43328.7	44435.6	45208.4	44665.4	42451.4	40232.3	38018.3	35804.4
62.5°	35517.2	37553.6	39590.0	40409.8	41229.6	41824.8	41516.8	39417.7	37318.6	35219.6	33120.5
65°	30864.8	32274.6	33689.6	34243.1	34791.4	35214.3	35120.3	33350.2	31580.1	29815.2	28045.1
67.5°	24906.9	26003.5	27105.2	27888.5	28676.9	29287.8	29220.0	27606.5	25993.0	24379.6	22766.1
70°	19403.4	20541.7	21680.0	22666.9	23659.0	24426.5	24327.3	22828.7	21324.9	19826.3	18322.5
72.5°	15502.9	16797.8	18092.8	18656.7	19220.6	19617.5	19325.1	18192.0	17053.7	15920.6	14782.3
75°	9414.5	10093.3	10777.3	10772.1	10772.1	10709.5	10417.1	9769.6	9122.1	8474.6	7827.1
77.5°	2804.0	3101.6	3399.2	3686.4	3978.8	4198.1	4140.7	3801.3	3456.7	3117.3	2772.7
80°	772.8	851.1	934.7	971.2	1007.8	1054.8	1174.9	1091.3	1007.8	929.4	845.9
82.5°	198.4	198.4	198.4	193.2	188.0	177.5	161.9	151.4	141.0	130.5	120.1
85°	31.3	26.1	26.1	26.1	20.9	20.9	20.9	20.9	15.7	15.7	10.4
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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
2.5°	52.2	52.2	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	41.8
5°	62.7	62.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	52.2
7.5°	78.3	78.3	73.1	73.1	73.1	73.1	67.9	67.9	67.9	67.9	62.7
10°	99.2	94.0	94.0	88.8	88.8	88.8	83.5	83.5	83.5	78.3	78.3
12.5°	125.3	120.1	120.1	114.9	109.7	109.7	104.4	99.2	94.0	94.0	88.8
15°	167.1	161.9	156.6	151.4	146.2	135.8	130.5	120.1	114.9	109.7	104.4
17.5°	318.5	292.4	266.3	240.2	219.3	198.4	177.5	156.6	146.2	135.8	125.3
20°	887.7	767.6	652.7	537.8	464.7	391.6	318.5	245.4	214.1	188.0	156.6
22.5°	1921.5	1681.3	1446.4	1206.2	1013.0	825.0	631.8	438.6	365.5	297.6	224.5
25°	3571.6	3112.1	2657.8	2198.3	1832.8	1467.3	1101.8	736.2	600.5	464.7	329.0
27.5°	5299.9	4704.6	4109.4	3514.1	2934.5	2349.7	1764.9	1185.3	950.3	720.6	485.6
30°	6631.4	5999.6	5373.0	4741.2	4010.2	3279.2	2542.9	1811.9	1441.2	1070.4	694.5
32.5°	7774.9	7090.9	6412.1	5728.1	4882.2	4036.3	3190.4	2344.5	1879.8	1415.0	945.1
35°	8908.0	8130.0	7357.2	6579.2	5670.6	4762.1	3853.5	2945.0	2354.9	1764.9	1169.6
37.5°	10286.5	9336.2	8391.1	7446.0	6511.3	5581.9	4647.2	3712.5	2960.6	2213.9	1462.0
40°	12688.4	11477.0	10270.8	9059.4	7968.1	6882.0	5790.7	4699.4	3754.3	2809.2	1858.9
42.5°	17273.0	15753.5	14239.2	12719.8	11210.7	9701.7	8187.4	6678.4	5331.2	3989.3	2642.1
45°	23669.4	21721.8	19779.3	17831.7	15972.8	14119.2	12260.3	10401.4	8354.5	6307.7	4255.6
47.5°	28864.9	26729.3	24598.9	22463.2	20400.7	18343.4	16280.9	14218.4	11597.1	8981.1	6359.9
50°	31209.4	29173.0	27141.8	25105.4	23037.6	20964.6	18891.7	16823.9	13816.3	10813.9	7806.3
52.5°	31997.8	29930.1	27867.6	25799.8	23747.7	21695.7	19643.6	17591.5	14463.8	11341.3	8213.5
55°	32431.2	30248.6	28071.2	25888.6	23679.9	21465.9	19252.0	17043.2	13931.2	10824.3	7712.3
57.5°	33308.5	30932.6	28562.0	26186.2	23669.4	21152.6	18630.6	16113.8	13043.5	9973.2	6902.9
60°	33470.3	31131.1	28797.0	26463.0	23679.9	20896.8	18108.4	15325.3	12275.9	9231.8	6182.3
62.5°	31167.6	29214.7	27267.1	25314.2	22525.9	19737.6	16944.0	14155.7	11236.8	8318.0	5393.9
65°	26358.5	24672.0	22990.6	21304.0	19027.4	16756.0	14479.4	12202.8	9597.3	6996.9	4391.3
67.5°	21116.1	19466.0	17821.2	16171.2	14458.6	12751.1	11038.4	9325.7	7315.4	5305.1	3294.8
70°	16740.4	15153.0	13570.9	11983.5	10469.3	8949.8	7430.3	5916.0	4668.1	3425.4	2177.4
72.5°	13268.0	11748.6	10234.3	8714.8	7341.5	5968.3	4595.0	3221.7	2600.3	1984.2	1362.8
75°	7038.7	6250.2	5467.0	4678.5	3905.7	3127.7	2349.7	1576.9	1331.5	1086.1	835.5
77.5°	2428.0	2083.4	1744.0	1399.4	1164.4	929.4	694.5	459.5	433.4	412.5	386.4
80°	736.2	626.6	516.9	407.3	360.3	313.3	266.3	219.3	203.6	188.0	167.1
82.5°	114.9	104.4	99.2	88.8	83.5	83.5	78.3	73.1	62.7	57.4	47.0
85°	10.4	5.2	5.2	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: P1067836

CATALOG NUMBER: NAV-SA4D-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: P1067836

CATALOG NUMBER: NAV-SA4D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	47.0	47.0
2.5°	41.8	41.8
5°	52.2	52.2
7.5°	62.7	62.7
10°	73.1	73.1
12.5°	83.5	83.5
15°	99.2	94.0
17.5°	114.9	109.7
20°	125.3	114.9
22.5°	151.4	130.5
25°	193.2	161.9
27.5°	250.6	198.4
30°	323.7	250.6
32.5°	480.4	349.8
35°	579.6	422.9
37.5°	710.1	490.8
40°	913.8	595.3
42.5°	1295.0	809.3
45°	2208.7	1341.9
47.5°	3743.9	2287.1
50°	4798.6	2934.5
52.5°	5091.0	3112.1
55°	4605.4	2856.2
57.5°	3832.6	2428.0
60°	3138.2	1999.9
62.5°	2475.0	1582.1
65°	1785.8	1195.7
67.5°	1284.5	919.0
70°	934.7	720.6
72.5°	741.5	600.5
75°	590.0	501.3
77.5°	365.5	334.2
80°	151.4	141.0
82.5°	36.6	31.3
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: P1067836

CATALOG NUMBER: NAV-SA4D-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

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

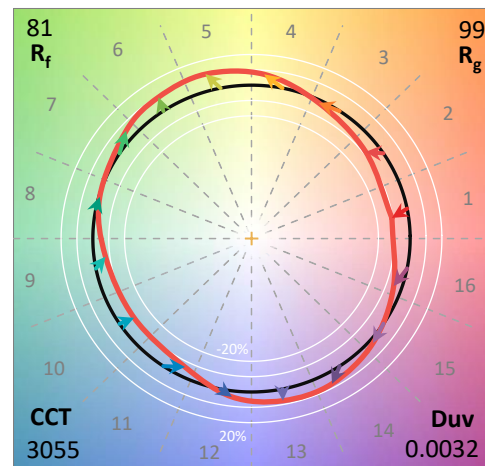
Test Information

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

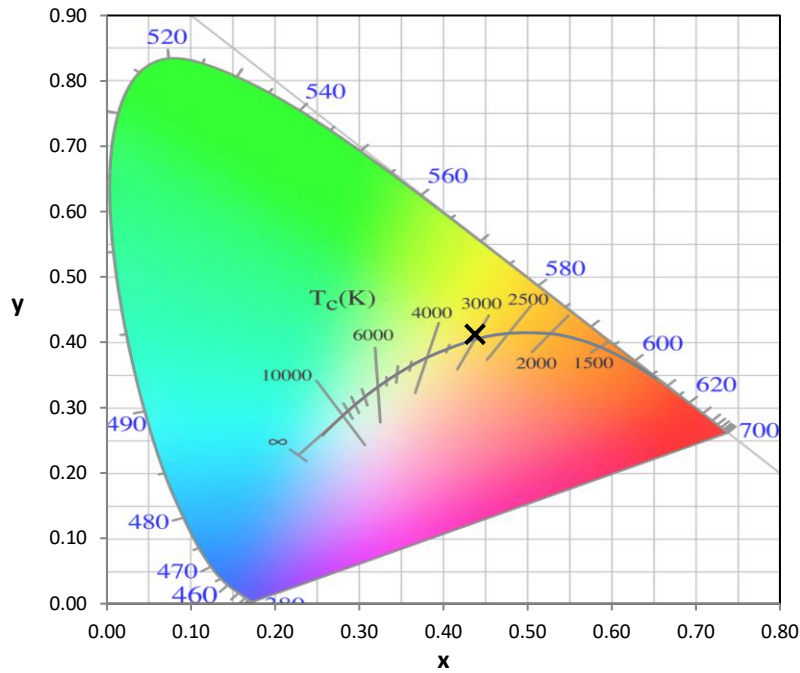
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

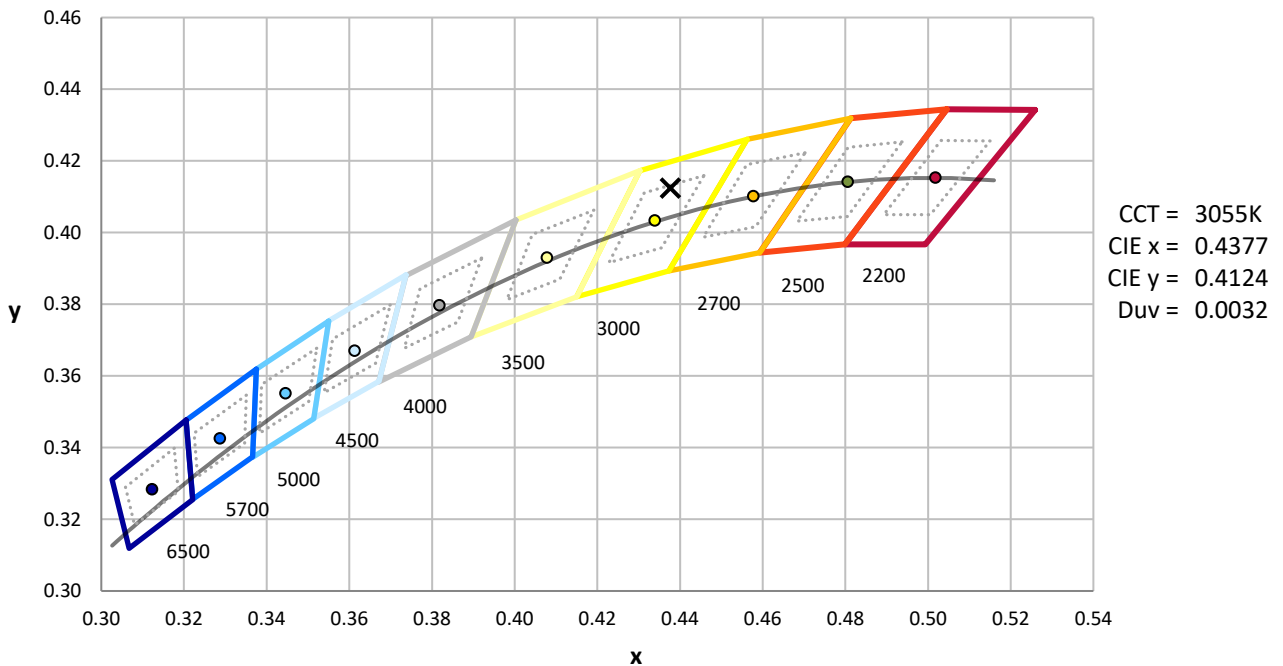
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



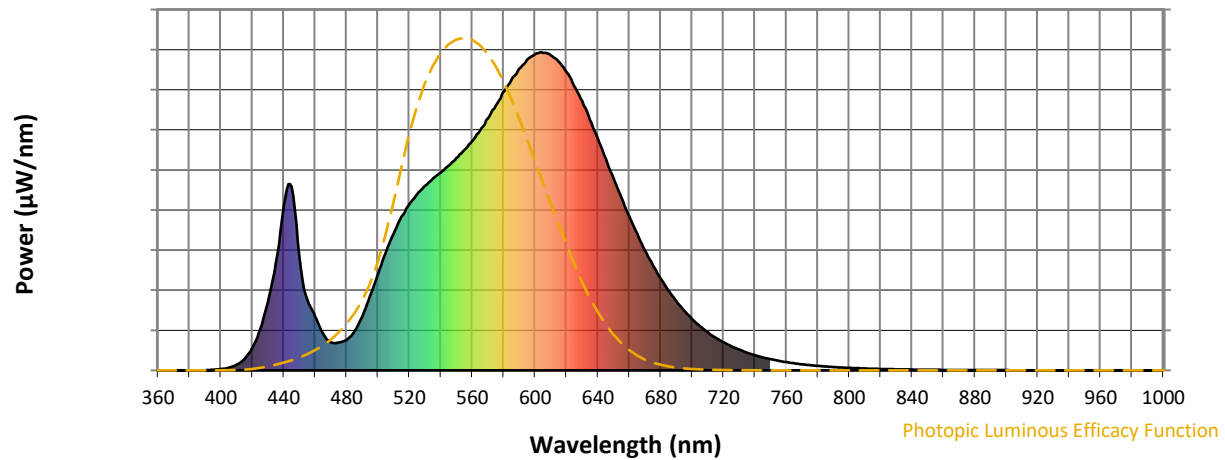
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

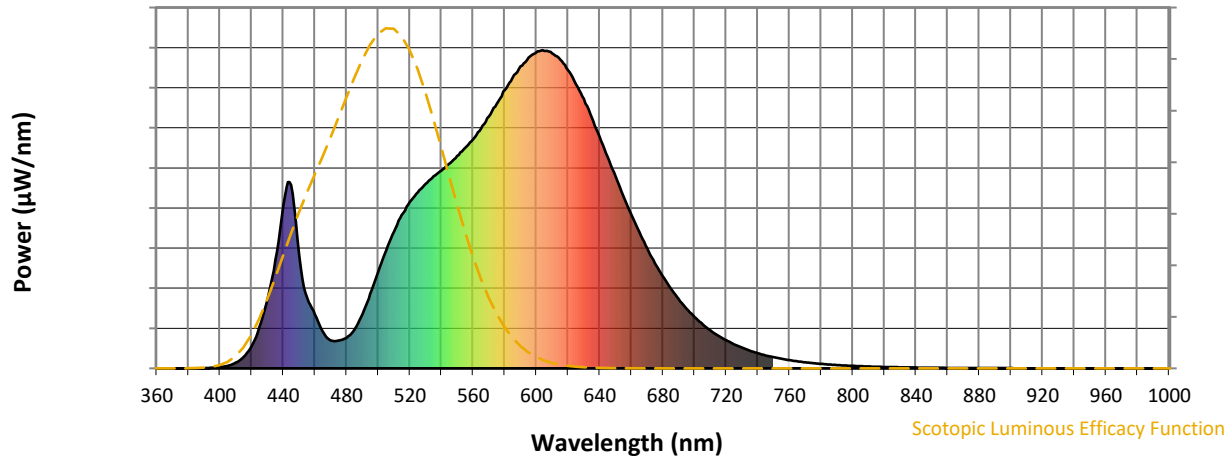


Photopic Lumens: NR

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



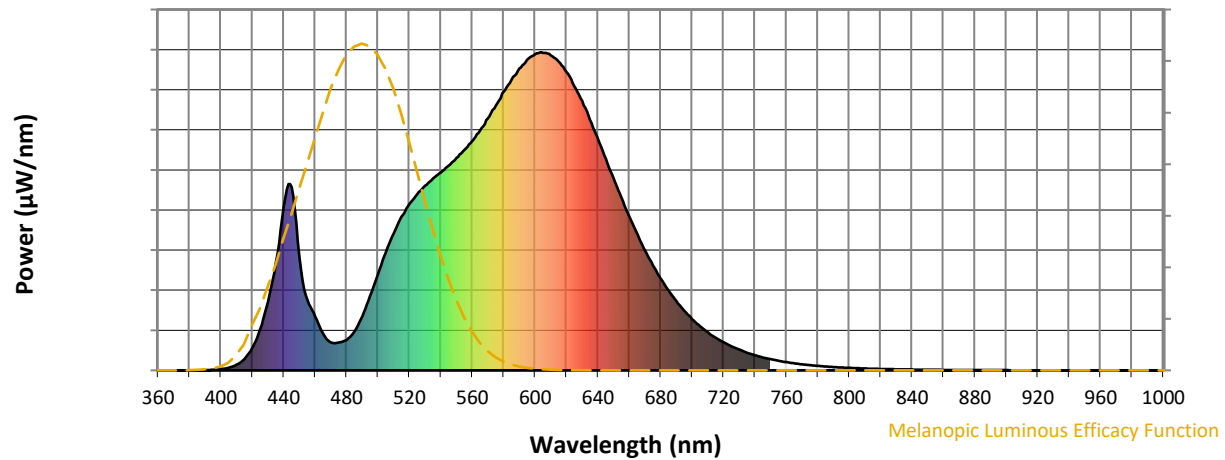
Scotopic Lumens: NR

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

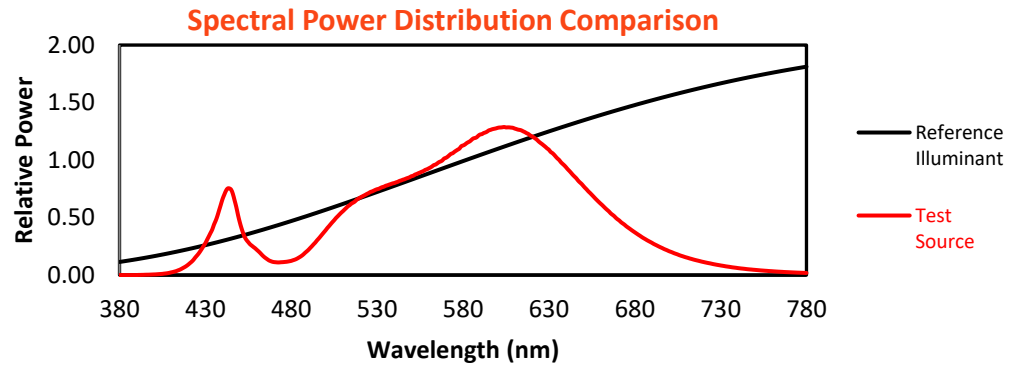
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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			

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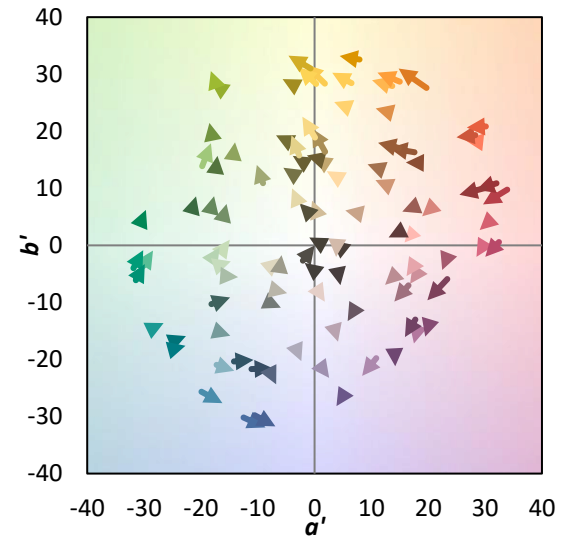
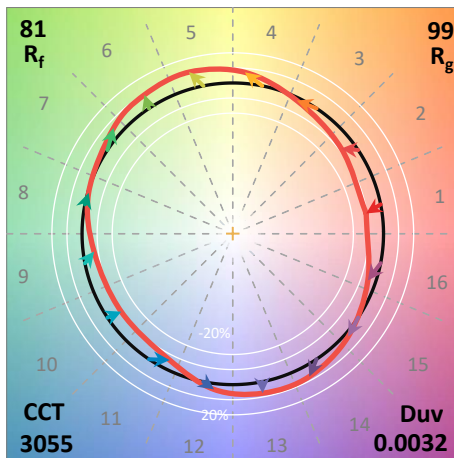
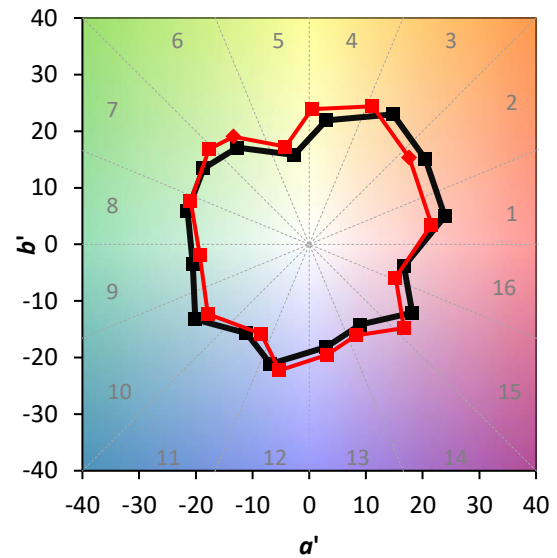
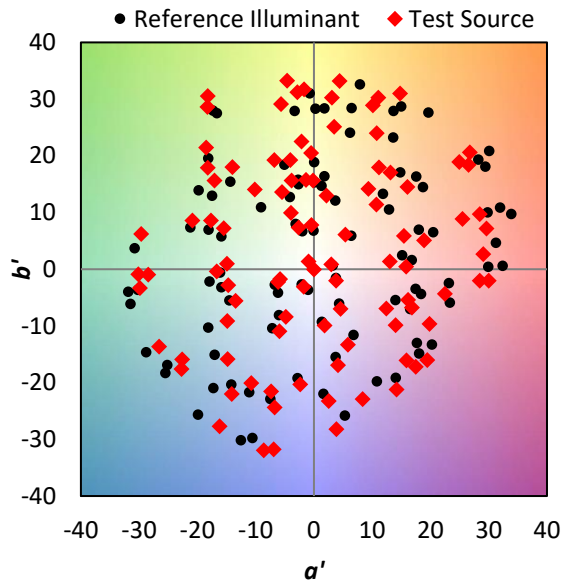
TM-30-18

Summary

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

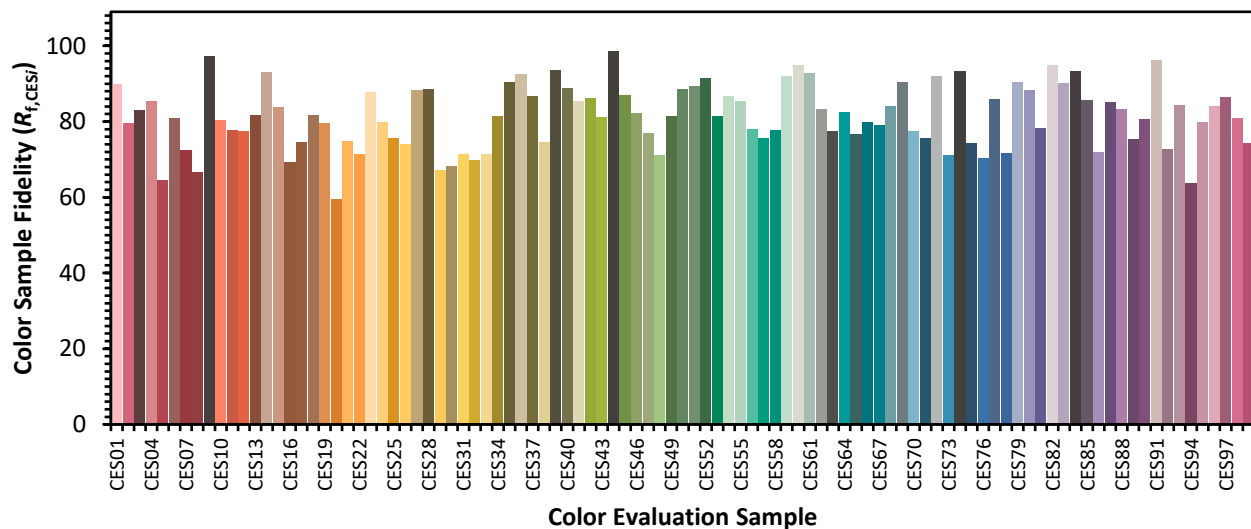


Color Vector Graphics

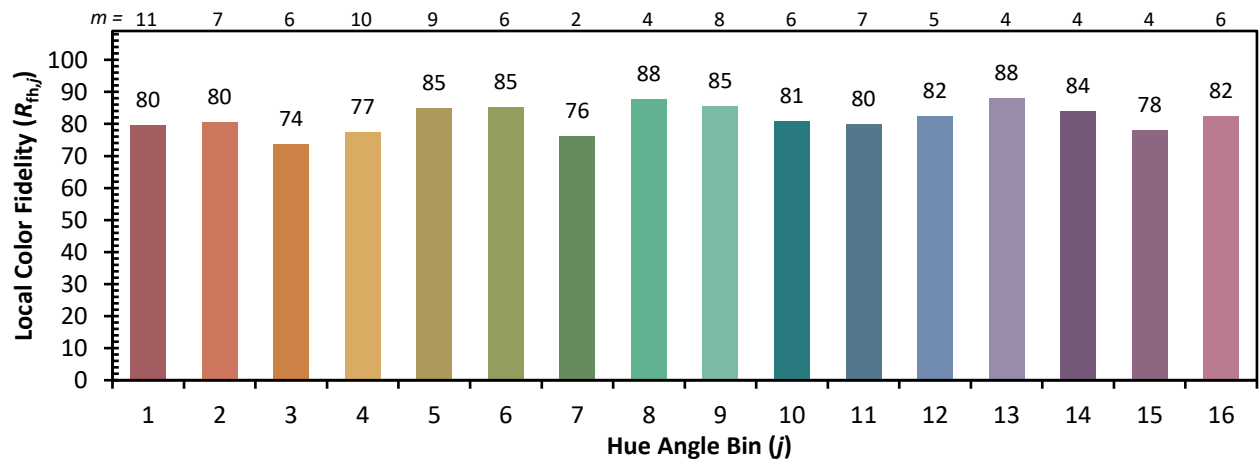
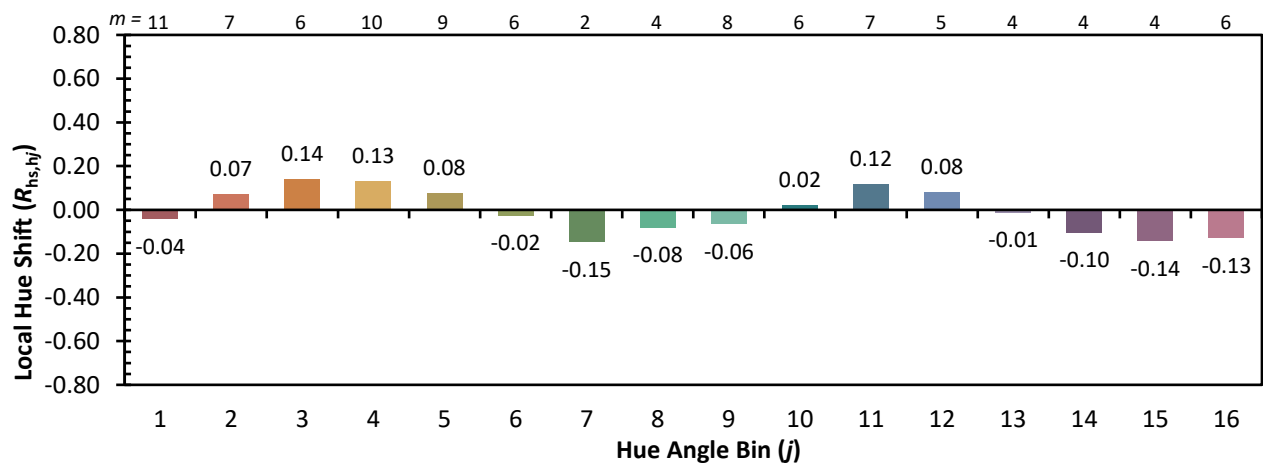
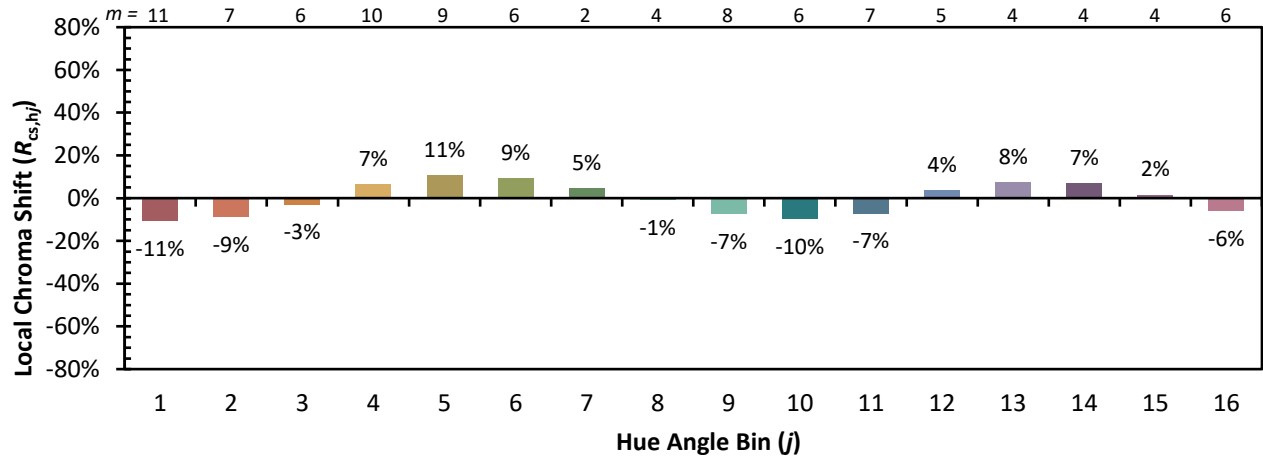


Individual Sample Fidelity Index ($R_{f,i}$)

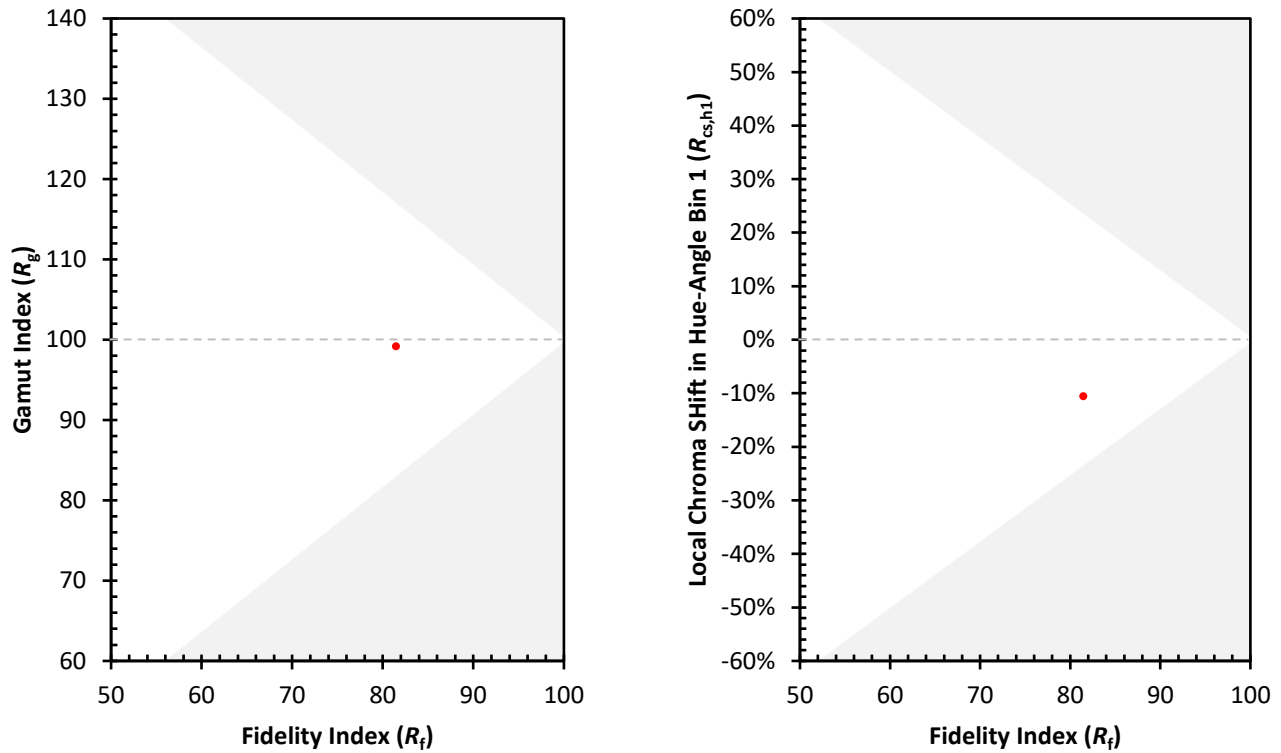
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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



(END OF REPORT)