

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: P1067837

Luminaire Tested: **NAV-SA5A-830-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067837
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-830-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12175.4 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

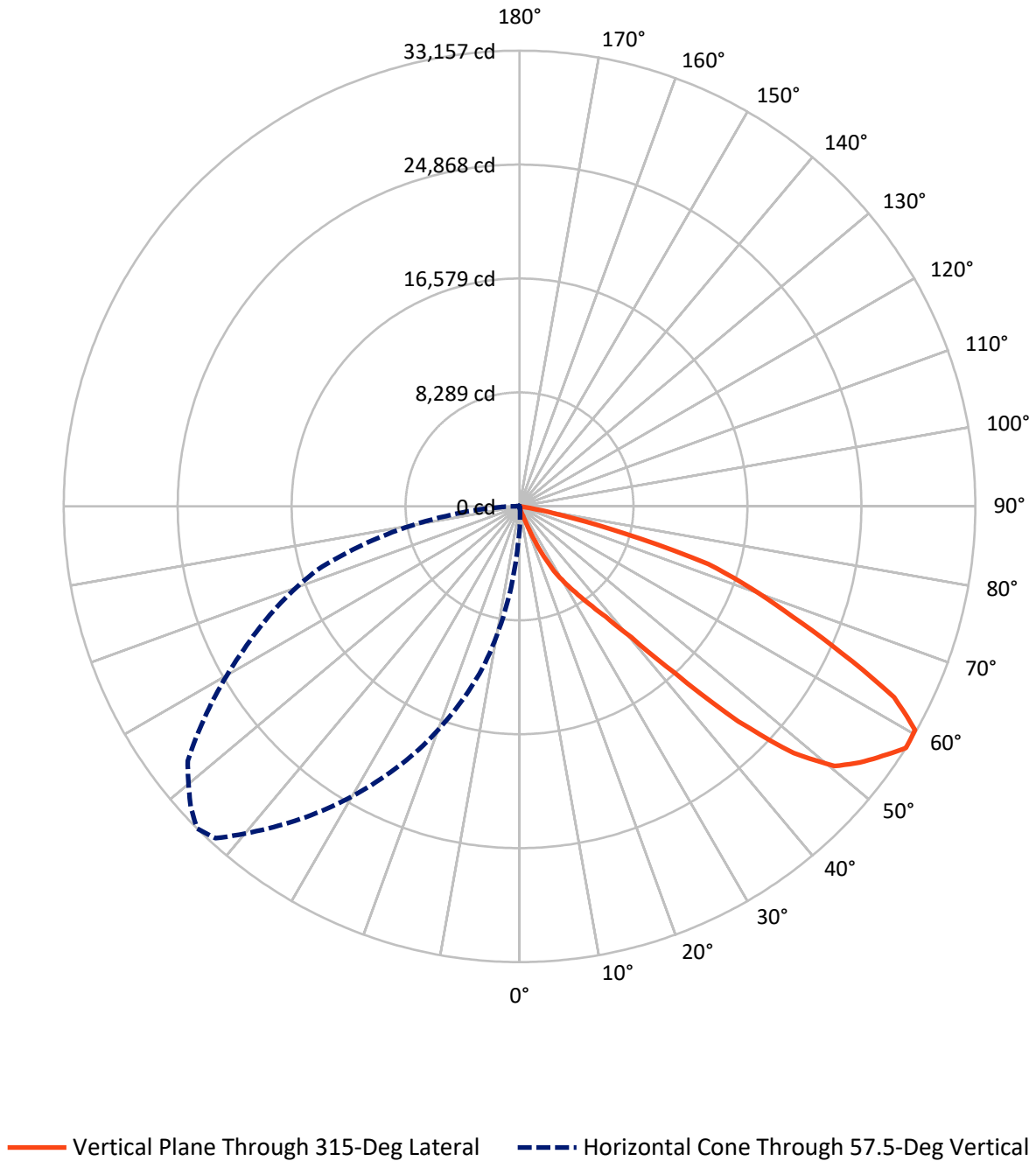
Input Watts (W): 137.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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CATALOG NUMBER: NAV-SA5A-830-U-RBC

Luminous Intensity Polar Plot



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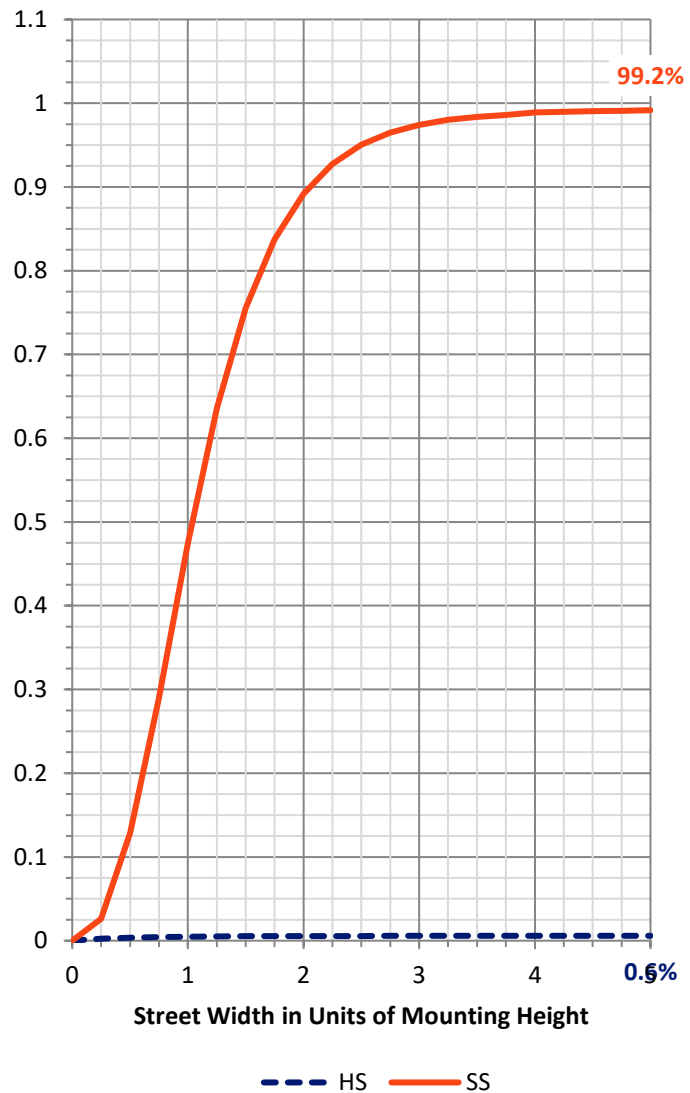
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.4	0.0	72.4
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	12103.0	0.0	12103.0
	% Fixture	99.4	0.0	99.4
Total	Lumens	12175.4	0.0	12175.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	17.9	0.1
20°-30°	227.2	1.9
30°-40°	765.9	6.3
40°-50°	2313.0	19.0
50°-60°	4080.8	33.5
60°-70°	3595.2	29.5
70°-80°	1144.4	9.4
80°-90°	27.5	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°	12175.4	100.0
0°-180°	12175.4	100.0



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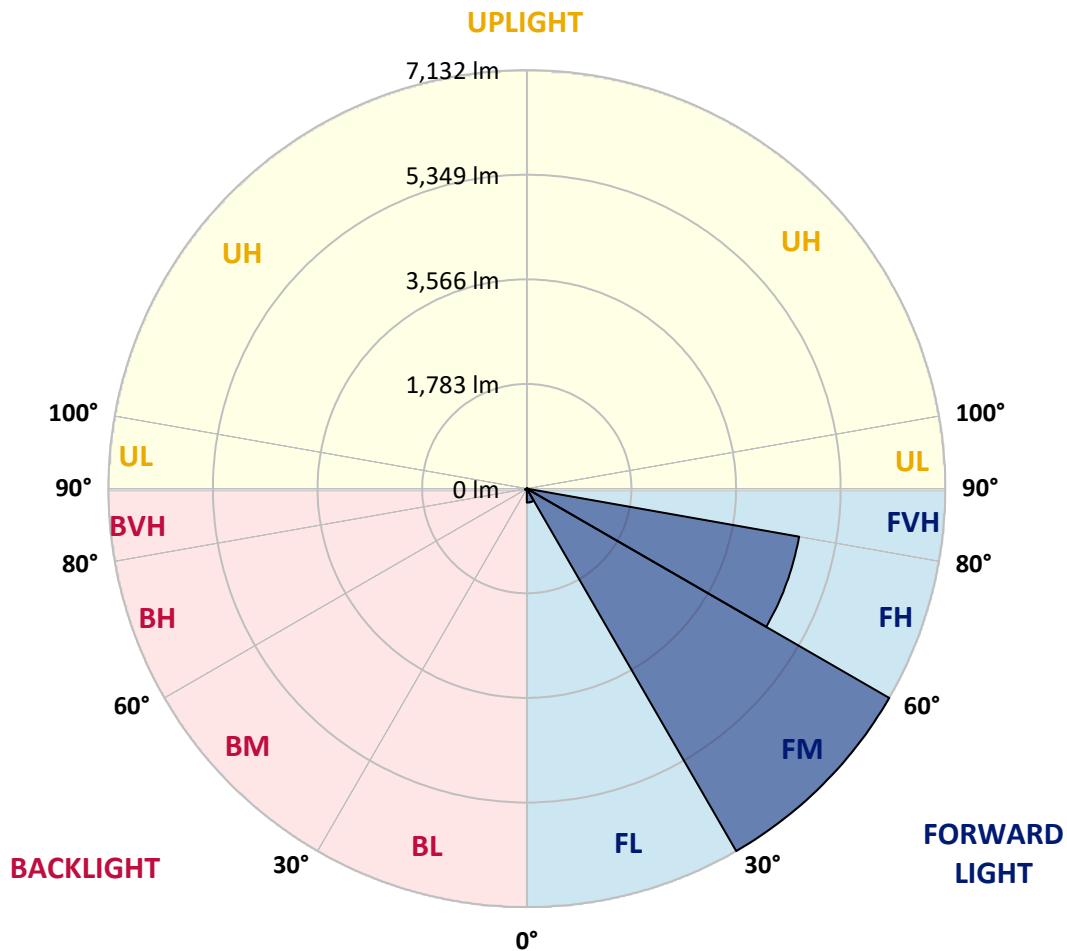
CATALOG NUMBER: NAV-SA5A-830-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.8	2.0			
FM	(30°-60°)	7131.5	58.6			
FH	(60°-80°)	4711.2	38.7			G2/5000
FVH	(80°-90°)	22.4	0.2			G1/100
BL	(0°-30°)	10.9	0.1	B0/110		
BM	(30°-60°)	28.1	0.2	B0/220		
BH	(60°-80°)	28.4	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	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°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	26.7
5°	38.2	38.2	38.2	34.4	34.4	34.4	30.5	30.5	30.5	30.5	30.5
7.5°	45.8	42.0	42.0	38.2	38.2	38.2	34.4	34.4	34.4	34.4	30.5
10°	53.5	49.6	49.6	45.8	45.8	42.0	42.0	38.2	38.2	34.4	34.4
12.5°	61.1	57.3	53.5	49.6	49.6	45.8	45.8	42.0	42.0	38.2	38.2
15°	68.7	64.9	61.1	57.3	53.5	53.5	49.6	45.8	42.0	42.0	38.2
17.5°	80.2	72.5	68.7	61.1	57.3	53.5	49.6	45.8	45.8	42.0	42.0
20°	84.0	76.4	72.5	64.9	61.1	57.3	53.5	49.6	45.8	45.8	42.0
22.5°	99.3	84.0	80.2	72.5	68.7	64.9	57.3	53.5	49.6	45.8	42.0
25°	122.2	99.3	87.8	76.4	72.5	64.9	61.1	53.5	49.6	45.8	42.0
27.5°	148.9	110.7	99.3	84.0	76.4	68.7	61.1	53.5	49.6	45.8	42.0
30°	183.3	129.8	110.7	91.6	84.0	76.4	64.9	57.3	53.5	49.6	42.0
32.5°	255.8	160.4	129.8	99.3	87.8	80.2	68.7	57.3	53.5	49.6	42.0
35°	309.3	194.7	156.5	114.5	99.3	87.8	72.5	57.3	53.5	49.6	42.0
37.5°	358.9	198.5	160.4	122.2	106.9	91.6	72.5	57.3	53.5	49.6	42.0
40°	439.1	206.2	160.4	114.5	103.1	87.8	76.4	61.1	57.3	49.6	45.8
42.5°	591.8	236.7	171.8	106.9	95.5	87.8	76.4	64.9	57.3	53.5	45.8
45°	985.1	351.3	232.9	110.7	99.3	87.8	76.4	64.9	61.1	53.5	49.6
47.5°	1676.2	610.9	362.7	114.5	103.1	87.8	76.4	61.1	57.3	53.5	45.8
50°	2145.8	782.7	458.2	133.6	114.5	99.3	80.2	61.1	57.3	53.5	49.6
52.5°	2279.5	832.4	496.4	156.5	133.6	110.7	84.0	61.1	57.3	57.3	53.5
55°	2088.6	809.5	496.4	183.3	152.7	126.0	95.5	64.9	61.1	61.1	57.3
57.5°	1775.5	748.4	473.5	198.5	168.0	133.6	103.1	68.7	64.9	64.9	61.1
60°	1462.4	630.0	427.6	221.5	187.1	152.7	118.4	84.0	80.2	76.4	68.7
62.5°	1160.7	507.8	374.2	236.7	202.4	164.2	129.8	91.6	87.8	84.0	80.2
65°	874.4	442.9	347.5	248.2	210.0	171.8	133.6	95.5	91.6	91.6	87.8
67.5°	672.0	404.7	332.2	255.8	217.6	179.5	141.3	103.1	99.3	95.5	91.6
70°	530.7	374.2	313.1	252.0	217.6	183.3	145.1	110.7	103.1	99.3	91.6
72.5°	442.9	339.8	290.2	240.5	213.8	187.1	160.4	133.6	118.4	106.9	91.6
75°	370.4	305.5	263.5	217.6	198.5	183.3	164.2	145.1	126.0	106.9	87.8
77.5°	244.4	221.5	202.4	183.3	171.8	160.4	145.1	133.6	114.5	99.3	80.2
80°	103.1	95.5	99.3	99.3	99.3	99.3	95.5	95.5	84.0	72.5	57.3
82.5°	22.9	19.1	22.9	22.9	22.9	22.9	19.1	19.1	19.1	15.3	15.3
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



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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°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
5°	30.5	30.5	30.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
7.5°	30.5	30.5	30.5	26.7	26.7	26.7	26.7	22.9	22.9	22.9	22.9
10°	30.5	30.5	30.5	26.7	26.7	26.7	26.7	22.9	22.9	22.9	22.9
12.5°	34.4	34.4	30.5	30.5	26.7	26.7	26.7	22.9	22.9	22.9	22.9
15°	34.4	34.4	30.5	30.5	26.7	26.7	26.7	22.9	22.9	22.9	22.9
17.5°	38.2	34.4	34.4	30.5	26.7	26.7	26.7	22.9	22.9	22.9	22.9
20°	38.2	34.4	34.4	30.5	26.7	26.7	26.7	22.9	22.9	22.9	22.9
22.5°	38.2	34.4	34.4	30.5	26.7	26.7	22.9	22.9	19.1	19.1	15.3
25°	38.2	34.4	34.4	30.5	26.7	26.7	22.9	22.9	19.1	15.3	15.3
27.5°	38.2	34.4	34.4	30.5	26.7	22.9	22.9	19.1	15.3	11.5	11.5
30°	38.2	34.4	34.4	30.5	26.7	22.9	19.1	15.3	11.5	11.5	7.6
32.5°	38.2	34.4	30.5	26.7	22.9	19.1	19.1	15.3	11.5	7.6	7.6
35°	38.2	34.4	30.5	26.7	22.9	19.1	19.1	15.3	11.5	7.6	7.6
37.5°	38.2	34.4	30.5	26.7	22.9	19.1	15.3	11.5	7.6	7.6	3.8
40°	38.2	34.4	30.5	26.7	22.9	19.1	15.3	11.5	7.6	7.6	3.8
42.5°	38.2	34.4	30.5	26.7	22.9	19.1	15.3	11.5	7.6	7.6	3.8
45°	42.0	38.2	34.4	26.7	22.9	19.1	19.1	15.3	11.5	7.6	7.6
47.5°	42.0	38.2	34.4	26.7	22.9	19.1	19.1	15.3	11.5	7.6	7.6
50°	45.8	42.0	38.2	30.5	26.7	22.9	19.1	11.5	7.6	7.6	3.8
52.5°	49.6	45.8	42.0	38.2	34.4	26.7	19.1	11.5	3.8	3.8	3.8
55°	53.5	49.6	49.6	45.8	42.0	30.5	22.9	11.5	0.0	0.0	0.0
57.5°	57.3	53.5	53.5	49.6	45.8	34.4	22.9	11.5	0.0	0.0	0.0
60°	64.9	61.1	57.3	49.6	45.8	34.4	22.9	11.5	0.0	0.0	0.0
62.5°	76.4	68.7	57.3	49.6	38.2	30.5	19.1	11.5	0.0	0.0	0.0
65°	84.0	72.5	61.1	45.8	34.4	26.7	19.1	7.6	0.0	0.0	0.0
67.5°	87.8	72.5	61.1	45.8	30.5	22.9	15.3	7.6	0.0	0.0	0.0
70°	84.0	68.7	57.3	42.0	26.7	19.1	15.3	7.6	0.0	0.0	0.0
72.5°	76.4	64.9	49.6	38.2	22.9	19.1	11.5	7.6	0.0	0.0	0.0
75°	68.7	57.3	42.0	30.5	15.3	11.5	7.6	3.8	0.0	0.0	0.0
77.5°	61.1	49.6	34.4	22.9	7.6	7.6	3.8	3.8	0.0	0.0	0.0
80°	45.8	34.4	22.9	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.5	7.6	7.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
5°	22.9	22.9	22.9	22.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1
7.5°	22.9	22.9	22.9	22.9	19.1	19.1	19.1	19.1	15.3	15.3	15.3
10°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15.3	15.3	15.3
12.5°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15.3	15.3	15.3
15°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15.3	15.3	11.5	11.5
17.5°	19.1	19.1	19.1	19.1	15.3	15.3	15.3	11.5	11.5	7.6	7.6
20°	19.1	19.1	19.1	15.3	15.3	11.5	11.5	7.6	7.6	3.8	3.8
22.5°	15.3	11.5	11.5	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
25°	11.5	7.6	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3.8	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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	22.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
5°	19.1	19.1	19.1	19.1	15.3	15.3	15.3	15.3	15.3	15.3	15.3
7.5°	15.3	15.3	15.3	15.3	15.3	15.3	11.5	11.5	11.5	11.5	11.5
10°	15.3	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	7.6	7.6
12.5°	15.3	11.5	11.5	11.5	7.6	7.6	7.6	7.6	7.6	3.8	3.8
15°	11.5	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8	0.0	0.0
17.5°	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	3.8	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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	22.9	22.9
5°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
7.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
10°	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8
12.5°	3.8	3.8	3.8	3.8	3.8	3.8	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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	22.9	22.9	22.9	22.9	22.9	26.7	26.7	30.5	30.5	34.4	34.4
5°	15.3	15.3	19.1	19.1	19.1	19.1	22.9	22.9	22.9	26.7	26.7
7.5°	11.5	11.5	11.5	11.5	11.5	15.3	15.3	19.1	19.1	22.9	22.9
10°	3.8	3.8	7.6	7.6	7.6	7.6	11.5	11.5	11.5	15.3	19.1
12.5°	0.0	0.0	3.8	3.8	3.8	3.8	7.6	7.6	7.6	11.5	15.3
15°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	7.6	11.5
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.6
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	38.2	38.2	42.0	42.0	45.8	45.8	49.6	49.6	49.6	49.6	49.6
5°	30.5	30.5	34.4	38.2	38.2	42.0	45.8	45.8	45.8	45.8	45.8
7.5°	26.7	26.7	30.5	34.4	34.4	38.2	42.0	42.0	45.8	45.8	45.8
10°	19.1	22.9	26.7	30.5	30.5	34.4	38.2	38.2	42.0	42.0	42.0
12.5°	15.3	19.1	22.9	26.7	26.7	30.5	34.4	34.4	38.2	38.2	42.0
15°	11.5	15.3	19.1	22.9	22.9	26.7	30.5	30.5	34.4	38.2	42.0
17.5°	7.6	11.5	15.3	19.1	19.1	22.9	26.7	30.5	34.4	34.4	38.2
20°	7.6	7.6	11.5	15.3	15.3	19.1	22.9	26.7	30.5	30.5	34.4
22.5°	3.8	3.8	7.6	11.5	11.5	15.3	19.1	22.9	26.7	26.7	30.5
25°	0.0	0.0	3.8	7.6	7.6	11.5	15.3	15.3	19.1	19.1	22.9
27.5°	0.0	0.0	3.8	3.8	7.6	7.6	11.5	11.5	15.3	15.3	19.1
30°	0.0	0.0	3.8	3.8	7.6	7.6	11.5	11.5	15.3	15.3	15.3
32.5°	0.0	0.0	0.0	3.8	3.8	3.8	7.6	7.6	11.5	11.5	15.3
35°	0.0	0.0	0.0	3.8	3.8	3.8	7.6	7.6	11.5	11.5	11.5
37.5°	0.0	0.0	0.0	3.8	3.8	3.8	7.6	7.6	7.6	7.6	11.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
45°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
50°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	7.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	49.6	49.6
5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	45.8	45.8
7.5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	45.8	45.8
10°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
12.5°	42.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
15°	42.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
17.5°	38.2	42.0	42.0	42.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8
20°	34.4	38.2	38.2	38.2	42.0	42.0	42.0	42.0	45.8	45.8	45.8
22.5°	30.5	34.4	34.4	34.4	38.2	38.2	38.2	38.2	42.0	42.0	42.0
25°	26.7	26.7	30.5	30.5	34.4	34.4	34.4	34.4	34.4	34.4	34.4
27.5°	19.1	22.9	22.9	22.9	26.7	26.7	26.7	26.7	30.5	30.5	30.5
30°	19.1	19.1	19.1	19.1	22.9	22.9	22.9	22.9	26.7	26.7	26.7
32.5°	15.3	19.1	19.1	19.1	22.9	22.9	22.9	22.9	26.7	26.7	26.7
35°	15.3	15.3	15.3	15.3	19.1	19.1	19.1	19.1	22.9	22.9	22.9
37.5°	11.5	15.3	15.3	15.3	19.1	19.1	19.1	19.1	22.9	22.9	22.9
40°	11.5	11.5	11.5	11.5	15.3	15.3	15.3	15.3	19.1	19.1	19.1
42.5°	11.5	11.5	11.5	11.5	15.3	15.3	15.3	15.3	19.1	19.1	19.1
45°	11.5	11.5	11.5	11.5	15.3	15.3	15.3	15.3	19.1	19.1	19.1
47.5°	11.5	11.5	11.5	11.5	15.3	15.3	15.3	15.3	19.1	19.1	19.1
50°	11.5	11.5	11.5	11.5	15.3	15.3	15.3	15.3	19.1	19.1	19.1
52.5°	7.6	7.6	7.6	7.6	11.5	11.5	11.5	11.5	15.3	15.3	15.3
55°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	11.5	11.5	11.5
57.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	11.5	11.5	11.5
60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
62.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8
67.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
75°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	11.5	11.5	11.5	11.5	11.5	7.6	7.6	7.6	7.6	7.6	7.6
82.5°	7.6	11.5	11.5	11.5	11.5	7.6	7.6	7.6	7.6	7.6	7.6
85°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	49.6	49.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	49.6	49.6
5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	49.6	49.6
7.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	49.6	49.6
10°	45.8	45.8	45.8	45.8	42.0	42.0	45.8	45.8	45.8	49.6	49.6
12.5°	45.8	45.8	45.8	45.8	42.0	42.0	45.8	45.8	49.6	49.6	53.5
15°	45.8	45.8	42.0	42.0	42.0	42.0	45.8	45.8	49.6	49.6	53.5
17.5°	45.8	45.8	42.0	42.0	42.0	42.0	45.8	45.8	49.6	49.6	53.5
20°	45.8	45.8	42.0	42.0	42.0	42.0	42.0	42.0	45.8	49.6	49.6
22.5°	42.0	42.0	42.0	42.0	38.2	38.2	42.0	42.0	45.8	49.6	49.6
25°	34.4	38.2	38.2	38.2	38.2	38.2	42.0	42.0	45.8	49.6	49.6
27.5°	30.5	34.4	34.4	34.4	34.4	38.2	38.2	42.0	45.8	49.6	49.6
30°	26.7	30.5	30.5	30.5	34.4	38.2	38.2	42.0	45.8	49.6	49.6
32.5°	26.7	30.5	30.5	30.5	34.4	34.4	38.2	38.2	42.0	45.8	49.6
35°	26.7	26.7	30.5	30.5	30.5	34.4	34.4	38.2	42.0	45.8	49.6
37.5°	26.7	26.7	30.5	30.5	30.5	34.4	34.4	38.2	42.0	45.8	49.6
40°	22.9	26.7	26.7	30.5	30.5	34.4	34.4	38.2	42.0	49.6	53.5
42.5°	22.9	22.9	26.7	26.7	30.5	34.4	34.4	38.2	42.0	49.6	53.5
45°	22.9	26.7	26.7	30.5	34.4	38.2	38.2	42.0	45.8	49.6	53.5
47.5°	22.9	26.7	26.7	30.5	38.2	38.2	42.0	42.0	45.8	49.6	53.5
50°	22.9	26.7	26.7	30.5	42.0	42.0	42.0	42.0	45.8	49.6	53.5
52.5°	19.1	22.9	22.9	26.7	34.4	38.2	42.0	45.8	49.6	53.5	57.3
55°	15.3	19.1	19.1	22.9	30.5	34.4	42.0	49.6	53.5	57.3	61.1
57.5°	15.3	15.3	19.1	19.1	26.7	34.4	45.8	53.5	57.3	61.1	64.9
60°	11.5	11.5	15.3	15.3	22.9	30.5	42.0	53.5	57.3	64.9	68.7
62.5°	7.6	11.5	11.5	15.3	19.1	30.5	42.0	53.5	61.1	68.7	72.5
65°	7.6	7.6	11.5	11.5	19.1	26.7	38.2	45.8	57.3	68.7	80.2
67.5°	11.5	11.5	15.3	15.3	19.1	26.7	38.2	45.8	57.3	72.5	84.0
70°	11.5	11.5	15.3	15.3	22.9	30.5	38.2	45.8	57.3	72.5	84.0
72.5°	11.5	11.5	15.3	15.3	22.9	26.7	34.4	42.0	53.5	64.9	76.4
75°	7.6	11.5	11.5	11.5	19.1	22.9	30.5	38.2	49.6	61.1	72.5
77.5°	7.6	7.6	7.6	7.6	15.3	19.1	26.7	30.5	42.0	53.5	64.9
80°	7.6	7.6	7.6	7.6	11.5	15.3	22.9	26.7	38.2	49.6	61.1
82.5°	7.6	7.6	3.8	3.8	7.6	11.5	15.3	19.1	30.5	38.2	49.6
85°	7.6	7.6	3.8	3.8	3.8	7.6	7.6	11.5	15.3	19.1	22.9
87.5°	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	49.6	49.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
5°	49.6	53.5	53.5	57.3	57.3	57.3	61.1	61.1	61.1	61.1	61.1
7.5°	49.6	53.5	53.5	57.3	57.3	57.3	61.1	61.1	61.1	64.9	64.9
10°	49.6	53.5	53.5	57.3	57.3	61.1	64.9	64.9	68.7	68.7	68.7
12.5°	53.5	57.3	57.3	61.1	61.1	64.9	68.7	68.7	72.5	76.4	76.4
15°	53.5	57.3	61.1	61.1	64.9	68.7	72.5	72.5	76.4	80.2	84.0
17.5°	53.5	57.3	61.1	61.1	64.9	68.7	76.4	80.2	84.0	91.6	95.5
20°	53.5	57.3	61.1	61.1	64.9	72.5	76.4	84.0	87.8	95.5	103.1
22.5°	53.5	57.3	61.1	64.9	68.7	76.4	84.0	87.8	95.5	106.9	114.5
25°	53.5	57.3	61.1	64.9	68.7	76.4	84.0	91.6	99.3	114.5	129.8
27.5°	53.5	57.3	64.9	68.7	72.5	80.2	91.6	99.3	106.9	133.6	160.4
30°	53.5	57.3	64.9	68.7	72.5	84.0	95.5	103.1	114.5	160.4	202.4
32.5°	53.5	61.1	64.9	72.5	76.4	87.8	103.1	114.5	126.0	190.9	252.0
35°	53.5	61.1	64.9	72.5	76.4	91.6	106.9	122.2	137.5	232.9	328.4
37.5°	53.5	61.1	64.9	72.5	76.4	99.3	122.2	145.1	168.0	267.3	366.5
40°	57.3	64.9	68.7	76.4	80.2	103.1	126.0	148.9	171.8	271.1	370.4
42.5°	57.3	64.9	68.7	76.4	80.2	99.3	122.2	141.3	160.4	271.1	381.8
45°	57.3	64.9	72.5	76.4	84.0	103.1	122.2	137.5	156.5	297.8	435.3
47.5°	57.3	64.9	72.5	76.4	84.0	103.1	122.2	141.3	160.4	393.3	622.4
50°	57.3	64.9	72.5	76.4	84.0	106.9	129.8	152.7	175.6	588.0	1000.4
52.5°	61.1	64.9	72.5	76.4	80.2	106.9	133.6	160.4	187.1	763.6	1336.4
55°	64.9	68.7	72.5	76.4	80.2	114.5	148.9	183.3	217.6	820.9	1420.4
57.5°	68.7	72.5	76.4	76.4	80.2	122.2	168.0	210.0	252.0	817.1	1378.4
60°	72.5	76.4	80.2	84.0	87.8	129.8	175.6	217.6	259.6	740.7	1221.8
62.5°	80.2	87.8	95.5	99.3	106.9	148.9	187.1	229.1	267.3	607.1	943.1
65°	91.6	99.3	103.1	110.7	114.5	152.7	194.7	232.9	271.1	504.0	733.1
67.5°	95.5	103.1	106.9	114.5	118.4	156.5	194.7	232.9	271.1	427.6	580.4
70°	95.5	103.1	110.7	114.5	122.2	160.4	194.7	232.9	267.3	370.4	473.5
72.5°	87.8	99.3	106.9	118.4	126.0	160.4	190.9	225.3	255.8	328.4	400.9
75°	84.0	99.3	110.7	126.0	137.5	160.4	187.1	210.0	232.9	286.4	339.8
77.5°	76.4	95.5	114.5	133.6	152.7	168.0	179.5	194.7	206.2	240.5	274.9
80°	72.5	91.6	110.7	129.8	148.9	156.5	160.4	168.0	171.8	175.6	179.5
82.5°	57.3	72.5	87.8	99.3	114.5	106.9	103.1	95.5	87.8	84.0	80.2
85°	26.7	30.5	30.5	34.4	34.4	34.4	30.5	30.5	26.7	22.9	19.1
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	53.5	53.5	53.5	53.5	49.6	49.6	49.6	49.6	45.8	45.8	45.8
5°	61.1	61.1	61.1	61.1	57.3	57.3	57.3	57.3	53.5	53.5	53.5
7.5°	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
10°	72.5	72.5	72.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
12.5°	80.2	80.2	84.0	84.0	87.8	87.8	91.6	91.6	95.5	95.5	95.5
15°	87.8	91.6	95.5	99.3	99.3	103.1	106.9	110.7	114.5	118.4	122.2
17.5°	103.1	106.9	114.5	122.2	129.8	137.5	148.9	164.2	175.6	187.1	202.4
20°	114.5	126.0	148.9	175.6	198.5	221.5	278.7	336.0	393.3	450.5	507.8
22.5°	137.5	160.4	236.7	316.9	393.3	469.6	649.1	828.6	1004.2	1183.6	1344.0
25°	183.3	232.9	408.5	584.2	756.0	931.6	1252.4	1576.9	1897.6	2218.4	2516.2
27.5°	252.0	343.6	630.0	920.2	1206.6	1492.9	1958.7	2428.4	2894.2	3363.8	3780.0
30°	351.3	500.2	927.8	1359.3	1786.9	2214.6	2802.6	3394.4	3982.4	4570.4	4952.2
32.5°	477.3	698.7	1240.9	1783.1	2325.3	2867.5	3516.6	4165.7	4810.9	5460.0	5864.8
35°	610.9	893.5	1546.4	2203.1	2856.0	3512.7	4196.2	4879.7	5563.1	6246.6	6742.9
37.5°	687.3	1008.0	1783.1	2558.2	3329.5	4104.6	4852.9	5605.1	6353.5	7101.9	7705.1
40°	759.8	1145.5	2038.9	2932.4	3825.8	4719.3	5593.7	6468.0	7342.4	8216.8	8991.9
42.5°	866.7	1351.6	2394.0	3436.4	4474.9	5517.3	6666.6	7819.7	8969.0	10118.2	11309.5
45°	1088.2	1741.1	3092.7	4444.4	5792.2	7143.9	8774.2	10408.4	12038.8	13673.0	15200.3
47.5°	1622.7	2619.3	4463.5	6307.7	8151.9	9996.1	11874.6	13753.2	15631.7	17510.3	19327.7
50°	2512.4	4020.6	6326.8	8633.0	10935.3	13241.5	15116.3	16991.0	18861.9	20736.7	22542.7
52.5°	3348.6	5360.8	7838.8	10320.6	12798.6	15280.5	16941.4	18602.3	20263.2	21924.1	23672.9
55°	3634.9	5845.7	8354.2	10866.6	13375.2	15887.5	17487.4	19091.0	20690.8	22290.7	24104.3
57.5°	3382.9	5387.5	7915.1	10442.8	12966.6	15494.3	17281.2	19071.9	20858.8	22649.6	24593.1
60°	2833.1	4440.6	7094.2	9751.7	12405.3	15059.0	17075.0	19091.0	21107.0	23123.0	25062.7
62.5°	2245.1	3543.3	6353.5	9163.7	11973.9	14784.1	16834.5	18888.7	20939.0	22989.4	24478.5
65°	1722.0	2710.9	5475.3	8243.5	11007.9	13776.1	15456.1	17139.9	18819.9	20503.8	21534.7
67.5°	1279.1	1977.8	4394.8	6815.5	9232.4	11649.3	12886.4	14127.4	15364.5	16605.4	17407.2
70°	943.1	1408.9	3054.6	4700.2	6342.0	7987.7	9121.7	10255.7	11385.9	12519.9	13352.3
72.5°	652.9	901.1	1886.2	2875.1	3860.2	4845.3	5994.6	7143.9	8289.3	9438.6	10385.5
75°	446.7	553.6	1015.6	1477.6	1939.6	2401.7	3272.2	4142.8	5013.3	5883.9	6384.0
77.5°	332.2	389.5	526.9	668.2	805.6	943.1	1111.1	1279.1	1447.1	1615.1	1832.7
80°	183.3	183.3	202.4	217.6	236.7	252.0	297.8	347.5	393.3	442.9	504.0
82.5°	84.0	87.8	95.5	103.1	106.9	114.5	122.2	129.8	137.5	145.1	145.1
85°	22.9	26.7	26.7	22.9	22.9	19.1	19.1	22.9	22.9	22.9	22.9
87.5°	3.8	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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	45.8	42.0	42.0	42.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2
5°	53.5	53.5	53.5	53.5	49.6	49.6	49.6	49.6	49.6	45.8	45.8
7.5°	64.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	57.3	57.3
10°	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	72.5	72.5
12.5°	95.5	95.5	95.5	95.5	99.3	99.3	95.5	95.5	95.5	91.6	91.6
15°	126.0	129.8	133.6	133.6	137.5	137.5	137.5	133.6	133.6	129.8	126.0
17.5°	213.8	225.3	240.5	255.8	271.1	282.5	282.5	274.9	267.3	259.6	252.0
20°	568.9	626.2	687.3	748.4	813.3	859.1	828.6	805.6	782.7	756.0	733.1
22.5°	1508.2	1668.6	1832.7	1947.3	2061.8	2142.0	2077.1	1951.1	1825.1	1702.9	1576.9
25°	2814.0	3108.0	3405.8	3528.0	3654.0	3745.7	3703.7	3512.7	3321.8	3134.7	2943.8
27.5°	4196.2	4608.6	5024.8	5131.7	5238.6	5318.8	5303.5	5055.3	4807.1	4558.9	4310.8
30°	5334.0	5715.9	6097.7	6204.6	6311.5	6384.0	6303.9	6055.7	5807.5	5559.3	5311.1
32.5°	6273.3	6678.0	7086.6	7227.9	7369.1	7464.6	7369.1	7071.3	6773.5	6479.5	6181.7
35°	7239.3	7731.9	8228.2	8407.7	8587.1	8701.7	8541.3	8174.8	7808.2	7445.5	7078.9
37.5°	8308.4	8907.9	9511.1	9755.5	10003.7	10175.5	10053.3	9595.1	9133.1	8675.0	8213.0
40°	9770.8	10545.9	11324.8	11763.9	12199.2	12508.4	12290.8	11760.1	11225.5	10694.8	10160.2
42.5°	12504.6	13695.9	14887.2	15517.2	16143.4	16597.7	16353.4	15700.5	15047.5	14394.6	13741.7
45°	16727.6	18251.0	19778.3	20698.5	21622.5	22302.1	22019.6	21198.7	20373.9	19553.0	18732.1
47.5°	21145.2	22962.7	24780.1	25513.2	26250.2	26822.9	26754.2	25730.9	24707.6	23688.1	22664.9
50°	24352.5	26158.5	27964.5	28594.5	29228.3	29698.0	29522.4	28220.3	26914.5	25612.5	24306.7
52.5°	25421.6	27166.5	28915.3	29667.4	30419.6	30980.9	30767.1	29300.9	27834.7	26372.3	24906.1
55°	25918.0	27731.6	29545.3	30461.6	31381.8	32053.8	31744.5	30137.1	28525.8	26918.3	25307.1
57.5°	26536.5	28480.0	30423.4	31427.6	32431.8	33157.3	32744.9	31080.2	29415.4	27754.5	26089.8
60°	27002.3	28938.2	30877.8	31683.5	32492.9	33058.0	32660.9	31042.0	29419.3	27800.3	26181.4
62.5°	25971.4	27460.5	28949.6	29549.1	30148.5	30583.8	30358.5	28823.6	27288.7	25753.8	24218.9
65°	22569.4	23600.3	24635.1	25039.8	25440.7	25750.0	25681.2	24386.9	23092.5	21801.9	20507.6
67.5°	18212.8	19014.7	19820.3	20393.0	20969.6	21416.3	21366.7	20186.8	19007.0	17827.2	16647.4
70°	14188.4	15020.8	15853.2	16574.8	17300.3	17861.6	17789.0	16693.2	15593.5	14497.7	13398.1
72.5°	11336.2	12283.2	13230.1	13642.4	14054.8	14345.0	14131.2	13302.6	12470.3	11641.7	10809.3
75°	6884.2	7380.6	7880.8	7877.0	7877.0	7831.1	7617.3	7143.9	6670.4	6196.9	5723.5
77.5°	2050.4	2268.0	2485.7	2695.7	2909.5	3069.8	3027.8	2779.7	2527.7	2279.5	2027.5
80°	565.1	622.4	683.5	710.2	736.9	771.3	859.1	798.0	736.9	679.6	618.5
82.5°	145.1	145.1	145.1	141.3	137.5	129.8	118.4	110.7	103.1	95.5	87.8
85°	22.9	19.1	19.1	19.1	15.3	15.3	15.3	11.5	11.5	11.5	7.6
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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	38.2	38.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	30.5
5°	45.8	45.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	38.2
7.5°	57.3	57.3	53.5	53.5	53.5	53.5	49.6	49.6	49.6	49.6	45.8
10°	72.5	68.7	68.7	64.9	64.9	64.9	61.1	61.1	61.1	57.3	57.3
12.5°	91.6	87.8	87.8	84.0	80.2	80.2	76.4	72.5	68.7	68.7	64.9
15°	122.2	118.4	114.5	110.7	106.9	99.3	95.5	87.8	84.0	80.2	76.4
17.5°	232.9	213.8	194.7	175.6	160.4	145.1	129.8	114.5	106.9	99.3	91.6
20°	649.1	561.3	477.3	393.3	339.8	286.4	232.9	179.5	156.5	137.5	114.5
22.5°	1405.1	1229.5	1057.6	882.0	740.7	603.3	462.0	320.7	267.3	217.6	164.2
25°	2611.7	2275.6	1943.5	1607.5	1340.2	1072.9	805.6	538.4	439.1	339.8	240.5
27.5°	3875.5	3440.2	3004.9	2569.7	2145.8	1718.2	1290.6	866.7	694.9	526.9	355.1
30°	4849.1	4387.1	3928.9	3466.9	2932.4	2397.8	1859.5	1324.9	1053.8	782.7	507.8
32.5°	5685.3	5185.1	4688.8	4188.6	3570.0	2951.5	2332.9	1714.4	1374.6	1034.7	691.1
35°	6513.9	5944.9	5379.8	4810.9	4146.6	3482.2	2817.8	2153.5	1722.0	1290.6	855.3
37.5°	7521.9	6826.9	6135.9	5444.8	4761.3	4081.7	3398.2	2714.7	2164.9	1618.9	1069.1
40°	9278.2	8392.4	7510.4	6624.6	5826.6	5032.4	4234.4	3436.4	2745.3	2054.2	1359.3
42.5°	12630.6	11519.5	10412.2	9301.1	8197.7	7094.2	5986.9	4883.5	3898.4	2917.1	1932.0
45°	17307.9	15883.7	14463.4	13039.2	11679.9	10324.4	8965.1	7605.9	6109.1	4612.4	3111.8
47.5°	21107.0	19545.4	17987.6	16425.9	14917.7	13413.3	11905.2	10397.0	8480.2	6567.3	4650.6
50°	22821.4	21332.3	19847.0	18357.9	16845.9	15330.1	13814.3	12302.3	10103.0	7907.5	5708.2
52.5°	23398.0	21885.9	20377.8	18865.7	17365.2	15864.6	14364.1	12863.5	10576.4	8293.1	6006.0
55°	23714.9	22118.9	20526.7	18930.7	17315.6	15696.6	14077.7	12462.6	10187.0	7915.1	5639.5
57.5°	24356.3	22619.0	20885.6	19148.3	17307.9	15467.5	13623.4	11783.0	9537.9	7292.8	5047.7
60°	24474.7	22764.1	21057.4	19350.7	17315.6	15280.5	13241.5	11206.4	8976.6	6750.6	4520.8
62.5°	22790.9	21362.9	19938.7	18510.7	16471.7	14432.8	12390.1	10351.2	8216.8	6082.4	3944.2
65°	19274.3	18041.0	16811.6	15578.3	13913.5	12252.6	10587.9	8923.1	7017.9	5116.4	3211.1
67.5°	15440.8	14234.3	13031.5	11825.0	10572.6	9324.1	8071.7	6819.3	5349.3	3879.3	2409.3
70°	12241.2	11080.4	9923.5	8762.8	7655.5	6544.4	5433.3	4326.0	3413.5	2504.7	1592.2
72.5°	9702.1	8591.0	7483.7	6372.6	5368.4	4364.2	3360.0	2355.8	1901.5	1450.9	996.6
75°	5146.9	4570.4	3997.7	3421.1	2856.0	2287.1	1718.2	1153.1	973.6	794.2	610.9
77.5°	1775.5	1523.5	1275.3	1023.3	851.5	679.6	507.8	336.0	316.9	301.6	282.5
80°	538.4	458.2	378.0	297.8	263.5	229.1	194.7	160.4	148.9	137.5	122.2
82.5°	84.0	76.4	72.5	64.9	61.1	61.1	57.3	53.5	45.8	42.0	34.4
85°	7.6	3.8	3.8	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: P1067837

CATALOG NUMBER: NAV-SA5A-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: P1067837

CATALOG NUMBER: NAV-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	34.4	34.4
2.5°	30.5	30.5
5°	38.2	38.2
7.5°	45.8	45.8
10°	53.5	53.5
12.5°	61.1	61.1
15°	72.5	68.7
17.5°	84.0	80.2
20°	91.6	84.0
22.5°	110.7	95.5
25°	141.3	118.4
27.5°	183.3	145.1
30°	236.7	183.3
32.5°	351.3	255.8
35°	423.8	309.3
37.5°	519.3	358.9
40°	668.2	435.3
42.5°	946.9	591.8
45°	1615.1	981.3
47.5°	2737.7	1672.4
50°	3508.9	2145.8
52.5°	3722.7	2275.6
55°	3367.7	2088.6
57.5°	2802.6	1775.5
60°	2294.7	1462.4
62.5°	1809.8	1156.9
65°	1305.8	874.4
67.5°	939.3	672.0
70°	683.5	526.9
72.5°	542.2	439.1
75°	431.5	366.5
77.5°	267.3	244.4
80°	110.7	103.1
82.5°	26.7	22.9
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: P1067837

CATALOG NUMBER: NAV-SA5A-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

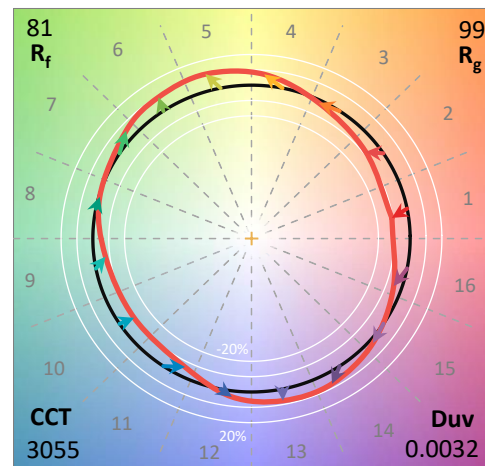
Test Information

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

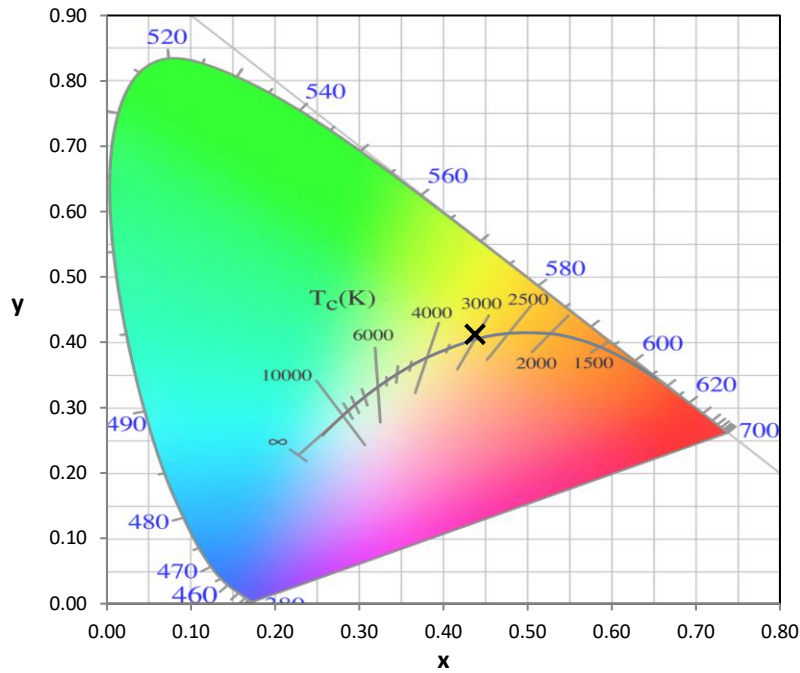
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

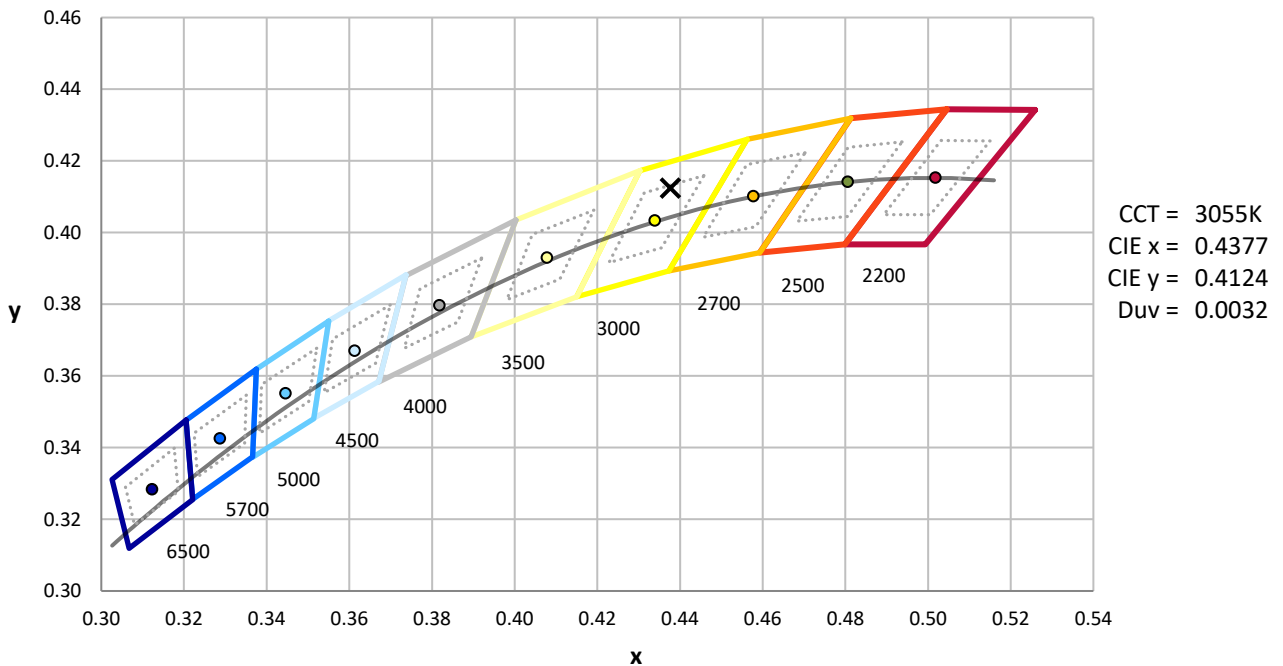
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



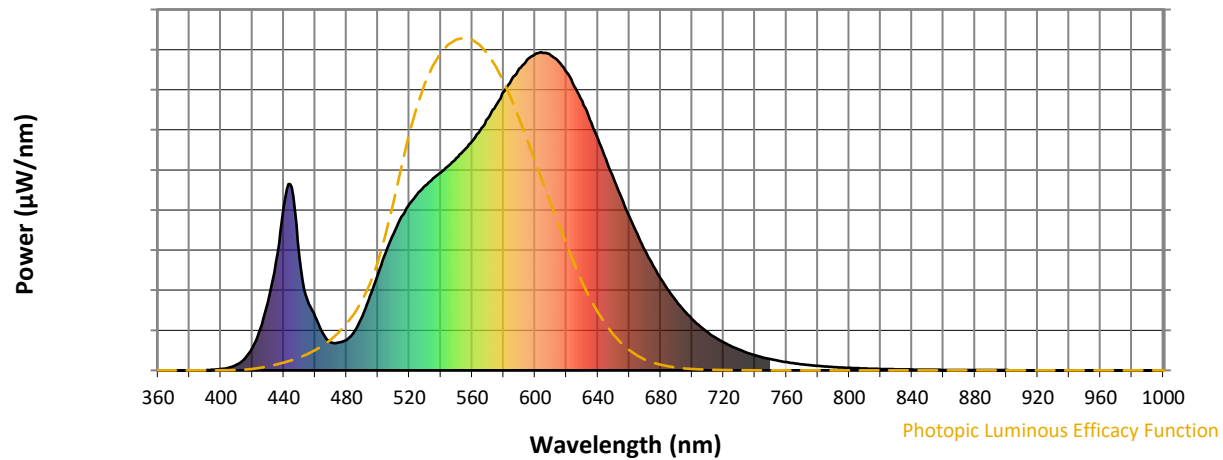
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

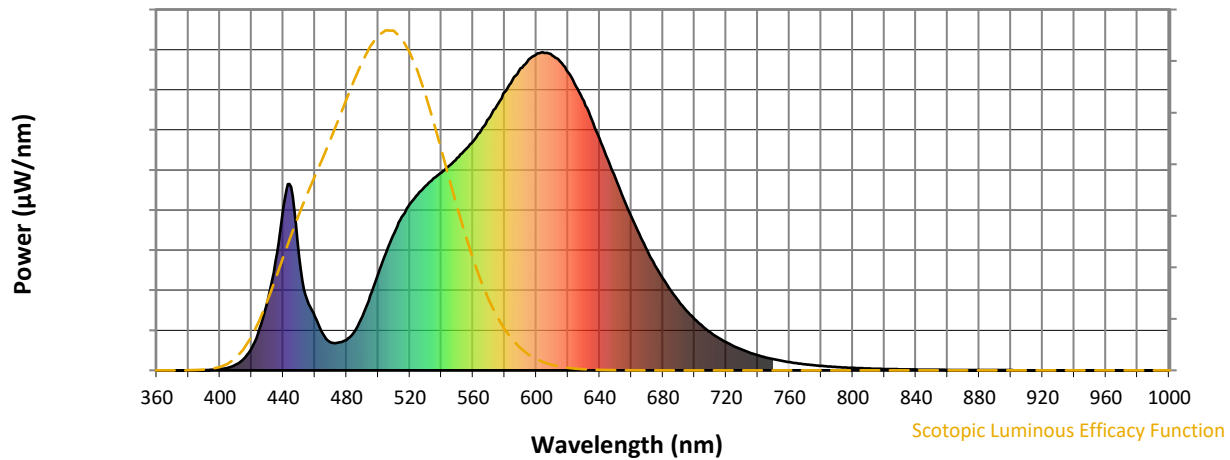


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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



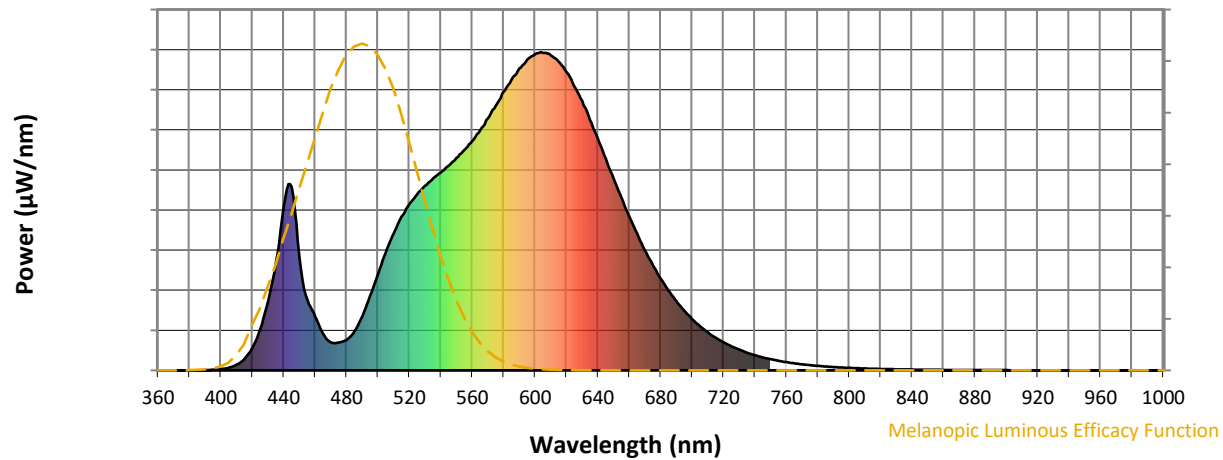
Scotopic Lumens: NR

S/P: 1.28

λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /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

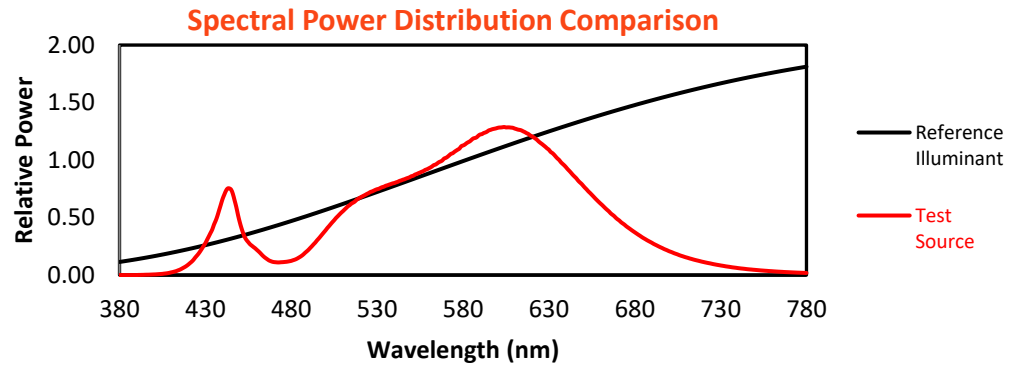
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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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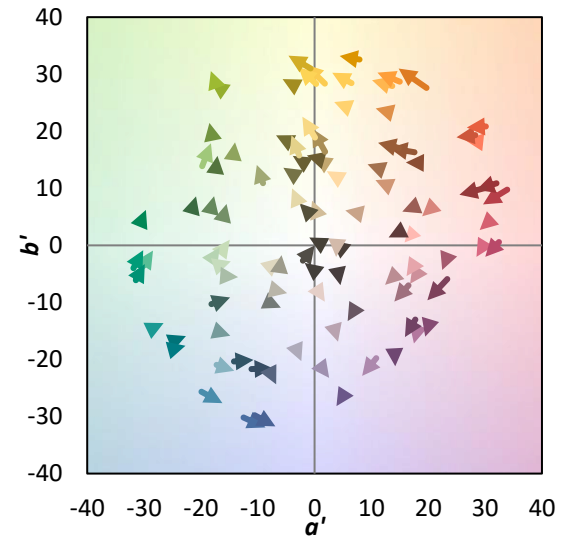
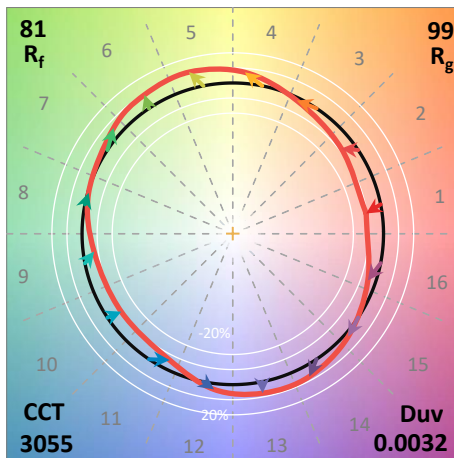
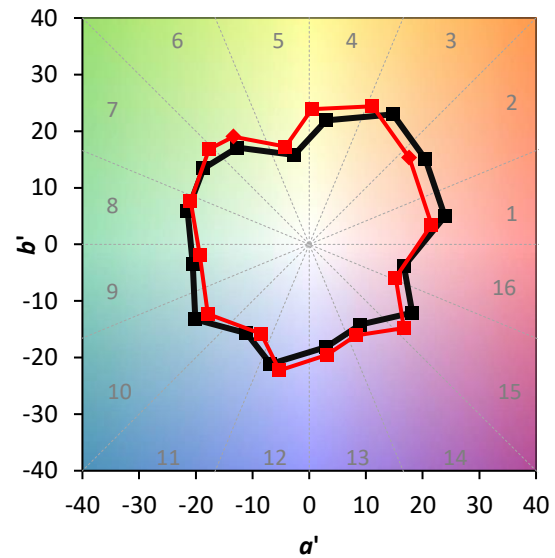
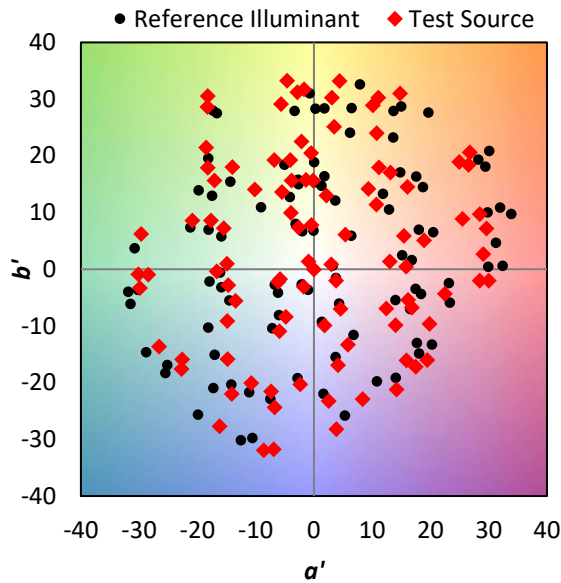
TM-30-18

Summary

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

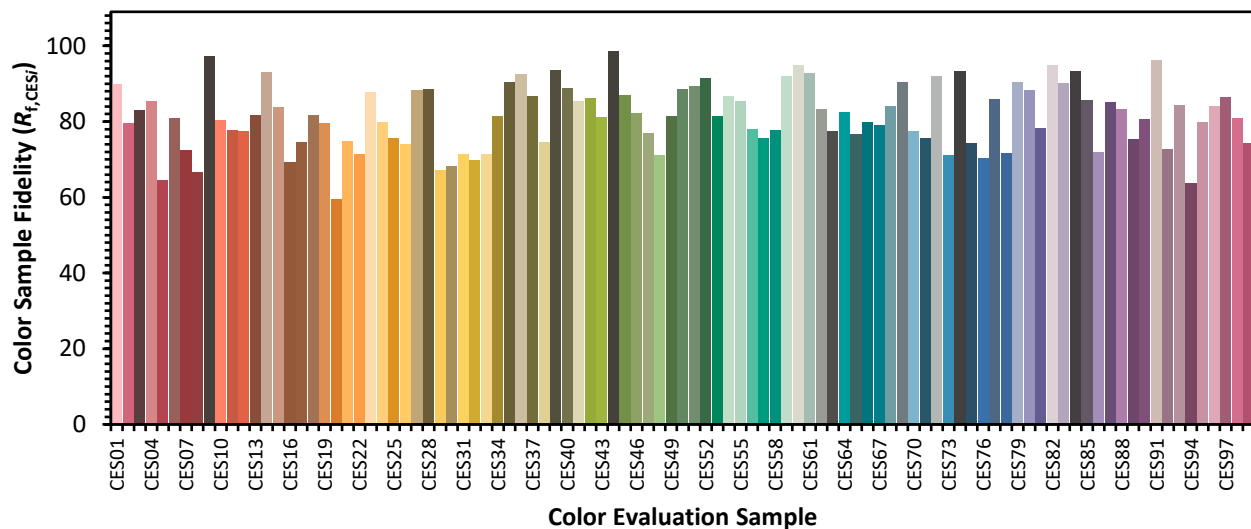


Color Vector Graphics

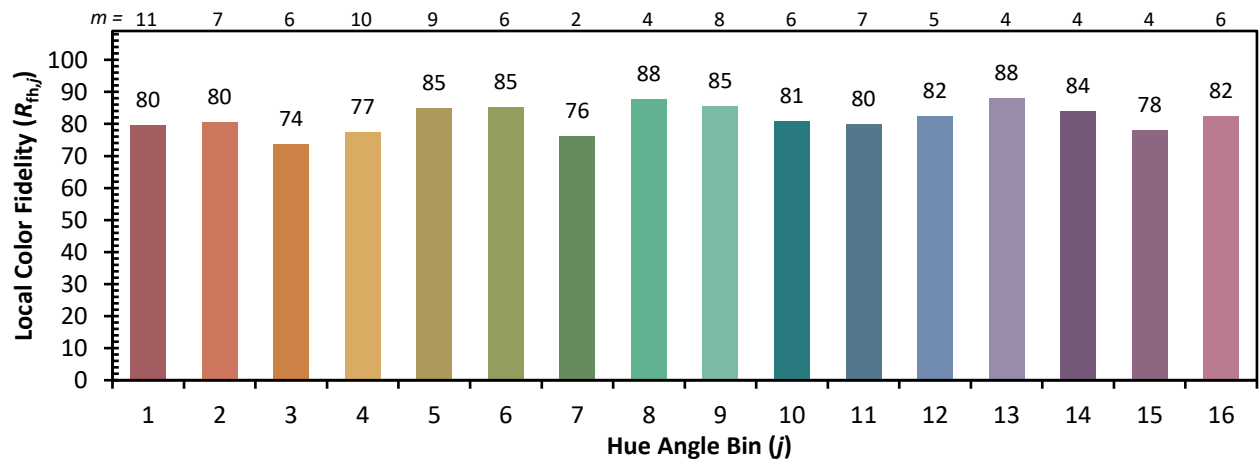
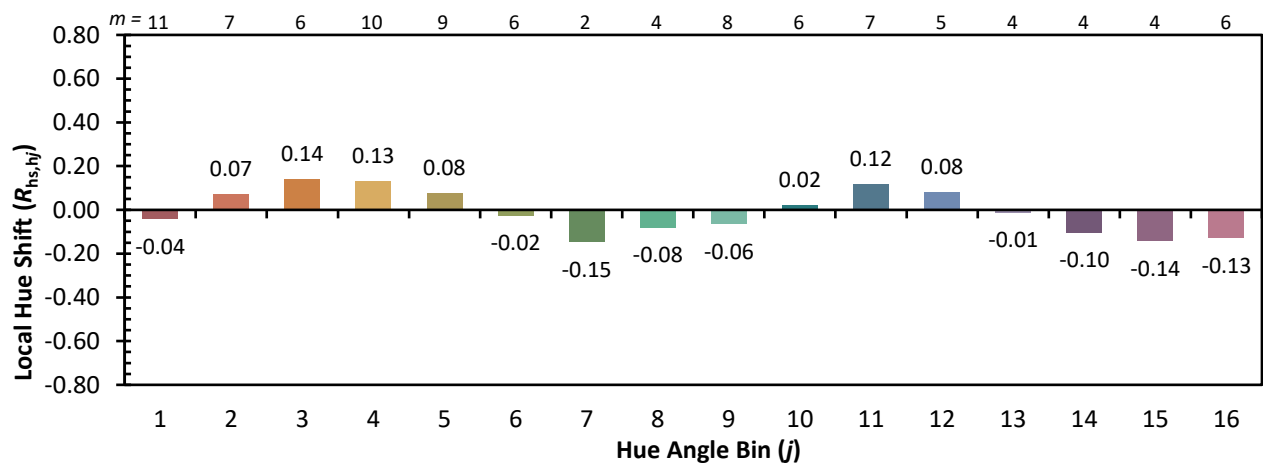
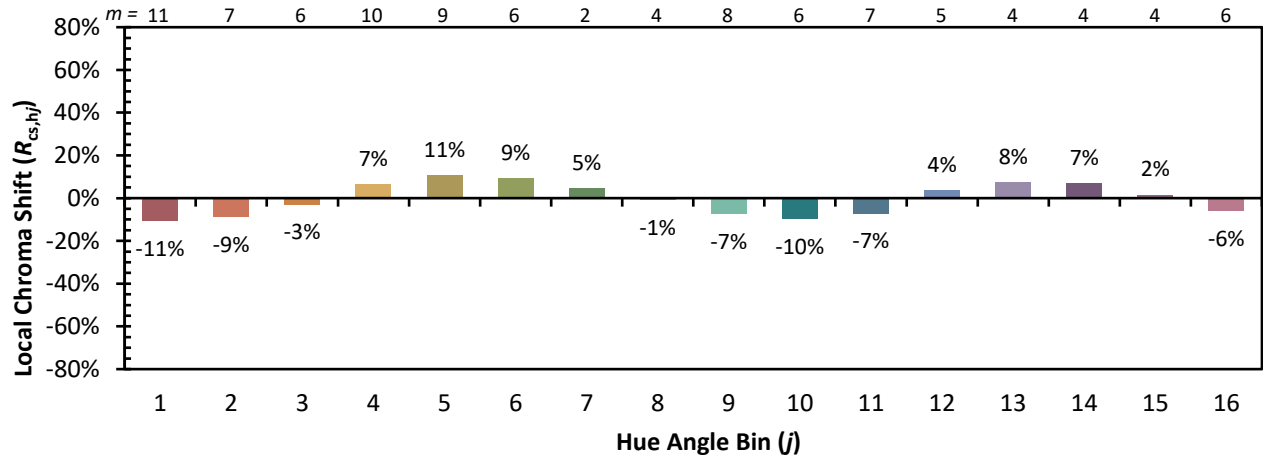


Individual Sample Fidelity Index ($R_{f,i}$)

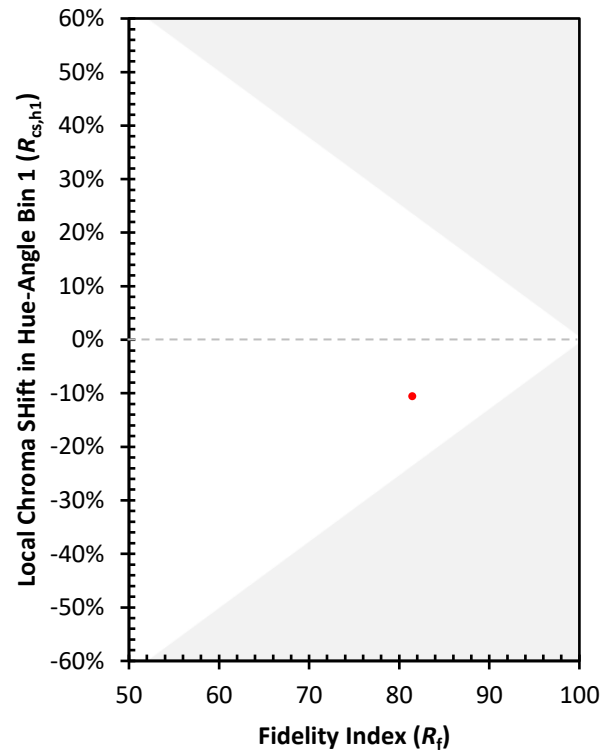
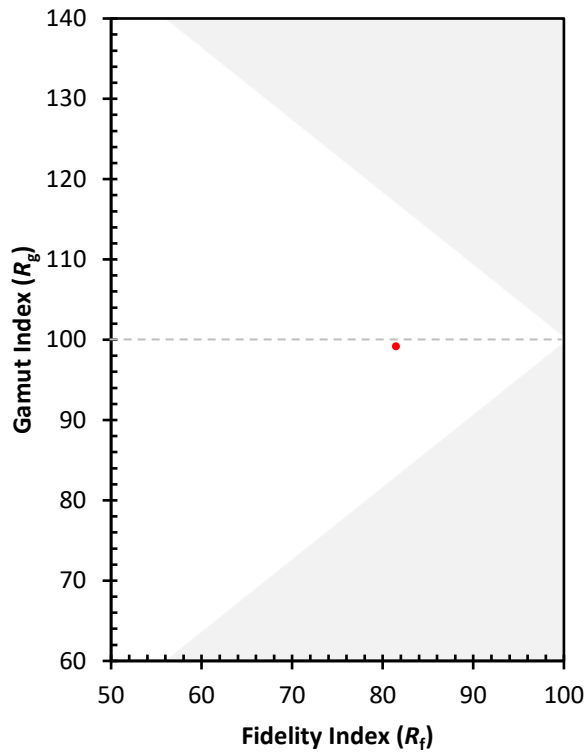
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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