

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: P1067668

Luminaire Tested: **NAV-SA4D-722-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067668
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-722-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15393.9 lumens
Efficiency: N/A
Efficacy: 70.3 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

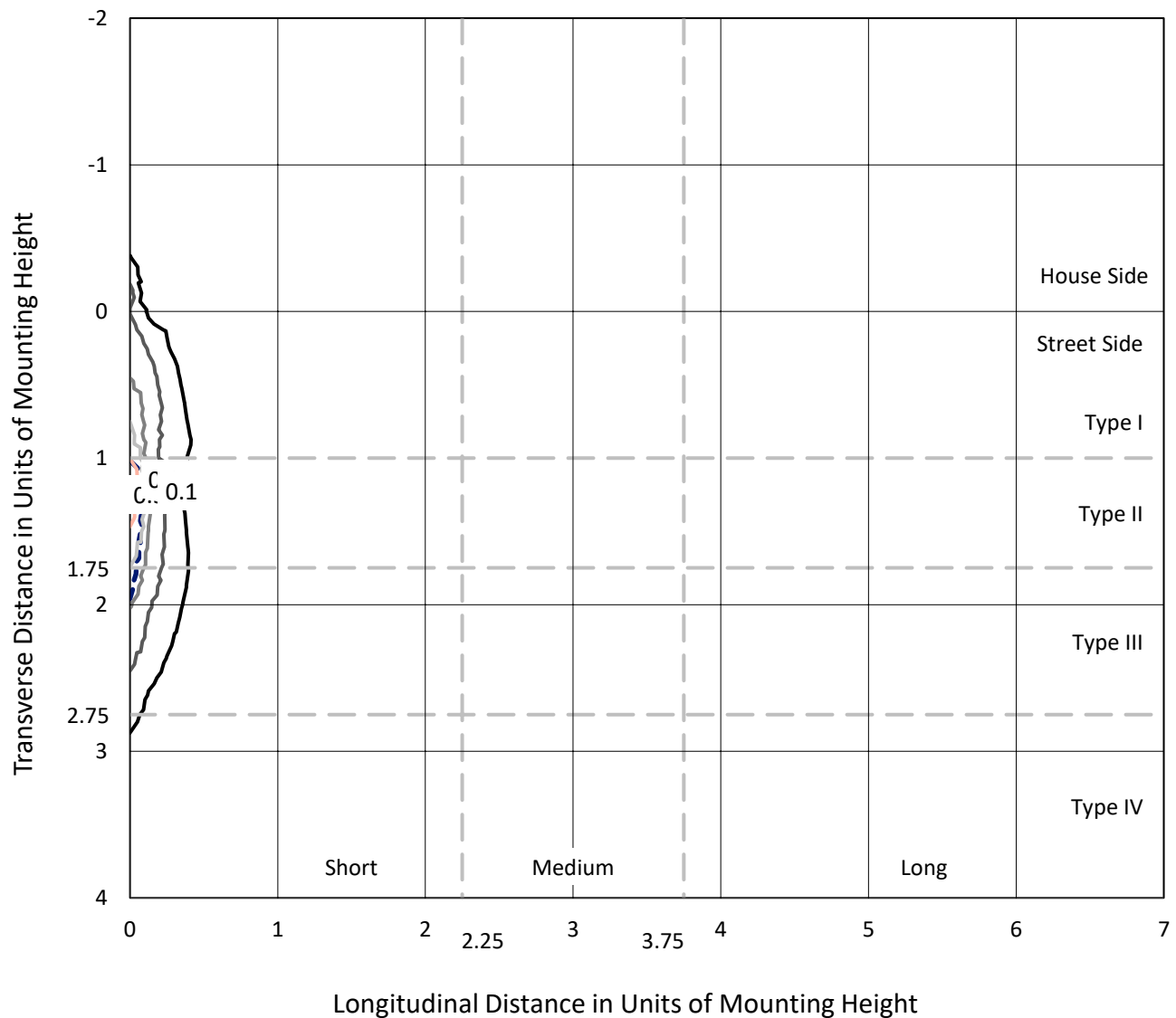


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

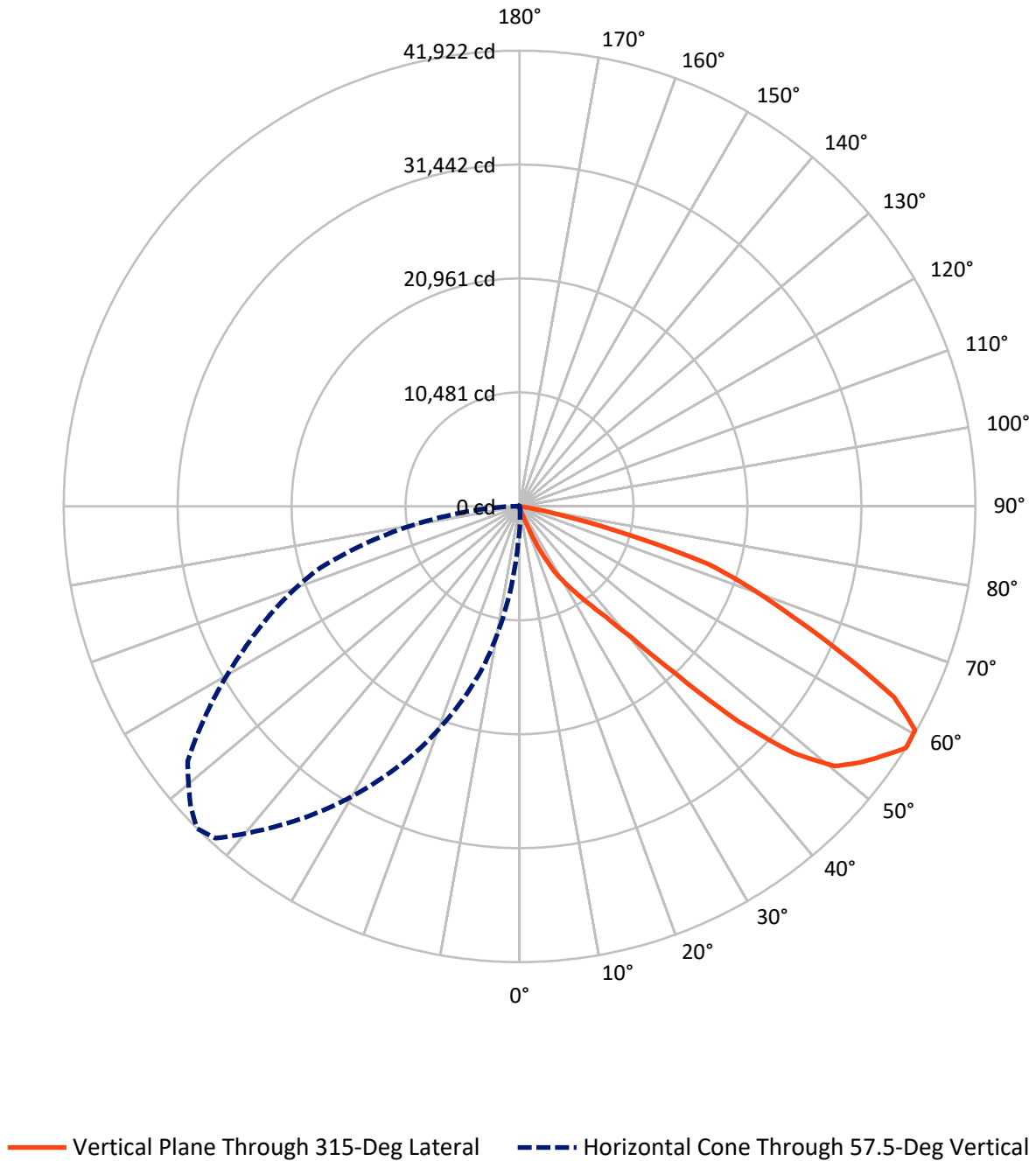


Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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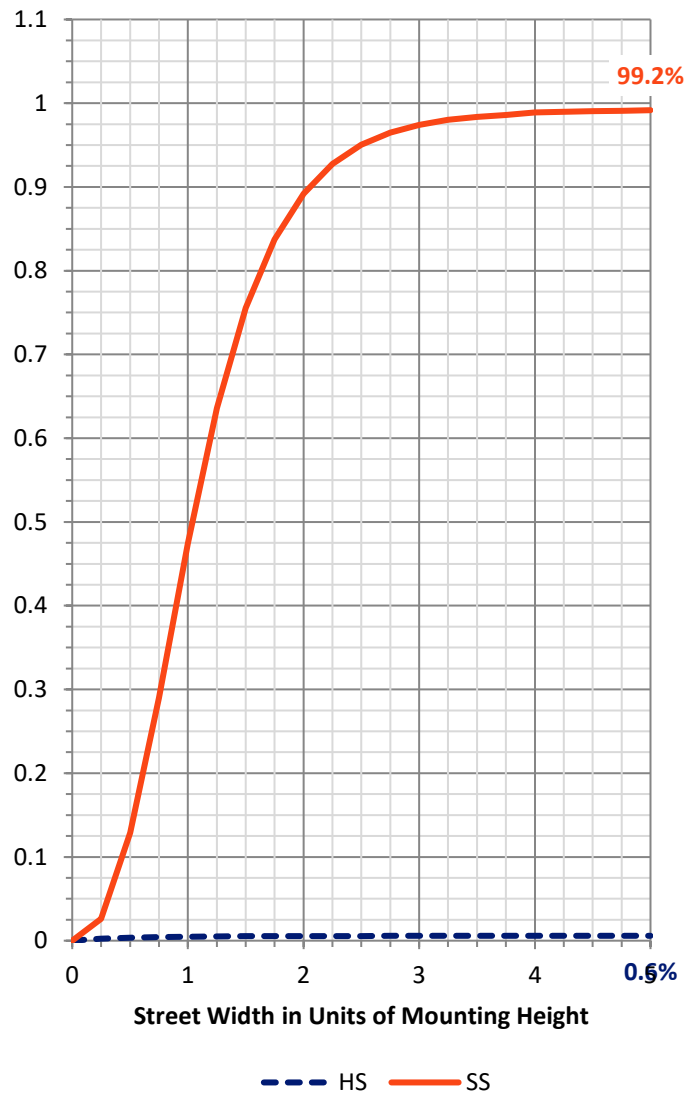
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.6	0.0	91.6
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	15302.3	0.0	15302.3
	% Fixture	99.4	0.0	99.4
Total	Lumens	15393.8	0.0	15393.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	22.6	0.1
20°-30°	287.3	1.9
30°-40°	968.3	6.3
40°-50°	2924.3	19.0
50°-60°	5159.5	33.5
60°-70°	4545.5	29.5
70°-80°	1446.9	9.4
80°-90°	34.8	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°	15393.8	100.0
0°-180°	15393.9	100.0



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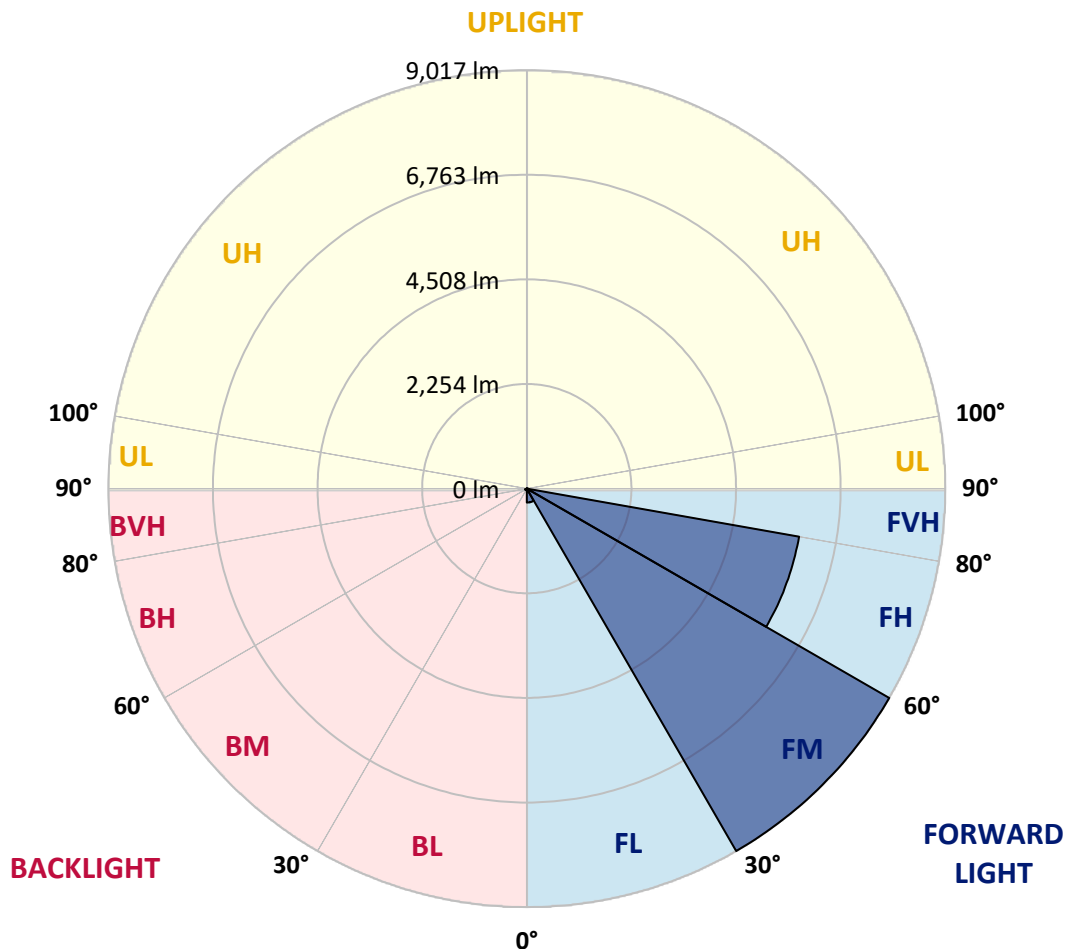
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.7	2.0			
FM	(30°-60°)	9016.7	58.6			
FH	(60°-80°)	5956.6	38.7			G3/7500
FVH	(80°-90°)	28.3	0.2			G1/100
BL	(0°-30°)	13.7	0.1	B0/110		
BM	(30°-60°)	35.5	0.2	B0/220		
BH	(60°-80°)	35.9	0.2	B0/110		G0/110
BVH	(80°-90°)	6.5	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°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	33.8
5°	48.3	48.3	48.3	43.4	43.4	43.4	38.6	38.6	38.6	38.6	38.6
7.5°	57.9	53.1	53.1	48.3	48.3	48.3	43.4	43.4	43.4	43.4	38.6
10°	67.6	62.8	62.8	57.9	57.9	53.1	53.1	48.3	48.3	43.4	43.4
12.5°	77.2	72.4	67.6	62.8	62.8	57.9	57.9	53.1	53.1	48.3	48.3
15°	86.9	82.1	77.2	72.4	67.6	67.6	62.8	57.9	53.1	53.1	48.3
17.5°	101.4	91.7	86.9	77.2	72.4	67.6	62.8	57.9	57.9	53.1	53.1
20°	106.2	96.5	91.7	82.1	77.2	72.4	67.6	62.8	57.9	57.9	53.1
22.5°	125.5	106.2	101.4	91.7	86.9	82.1	72.4	67.6	62.8	57.9	53.1
25°	154.5	125.5	111.0	96.5	91.7	82.1	77.2	67.6	62.8	57.9	53.1
27.5°	188.3	140.0	125.5	106.2	96.5	86.9	77.2	67.6	62.8	57.9	53.1
30°	231.7	164.1	140.0	115.9	106.2	96.5	82.1	72.4	67.6	62.8	53.1
32.5°	323.4	202.8	164.1	125.5	111.0	101.4	86.9	72.4	67.6	62.8	53.1
35°	391.0	246.2	197.9	144.8	125.5	111.0	91.7	72.4	67.6	62.8	53.1
37.5°	453.8	251.0	202.8	154.5	135.2	115.9	91.7	72.4	67.6	62.8	53.1
40°	555.2	260.7	202.8	144.8	130.3	111.0	96.5	77.2	72.4	62.8	57.9
42.5°	748.3	299.3	217.2	135.2	120.7	111.0	96.5	82.1	72.4	67.6	57.9
45°	1245.5	444.1	294.5	140.0	125.5	111.0	96.5	82.1	77.2	67.6	62.8
47.5°	2119.3	772.4	458.6	144.8	130.3	111.0	96.5	77.2	72.4	67.6	57.9
50°	2713.1	989.6	579.3	169.0	144.8	125.5	101.4	77.2	72.4	67.6	62.8
52.5°	2882.0	1052.4	627.6	197.9	169.0	140.0	106.2	77.2	72.4	72.4	67.6
55°	2640.6	1023.4	627.6	231.7	193.1	159.3	120.7	82.1	77.2	77.2	72.4
57.5°	2244.8	946.2	598.6	251.0	212.4	169.0	130.3	86.9	82.1	82.1	77.2
60°	1848.9	796.5	540.7	280.0	236.5	193.1	149.7	106.2	101.4	96.5	86.9
62.5°	1467.6	642.1	473.1	299.3	255.9	207.6	164.1	115.9	111.0	106.2	101.4
65°	1105.5	560.0	439.3	313.8	265.5	217.2	169.0	120.7	115.9	115.9	111.0
67.5°	849.6	511.7	420.0	323.4	275.2	226.9	178.6	130.3	125.5	120.7	115.9
70°	671.0	473.1	395.9	318.6	275.2	231.7	183.4	140.0	130.3	125.5	115.9
72.5°	560.0	429.6	366.9	304.1	270.3	236.5	202.8	169.0	149.7	135.2	115.9
75°	468.3	386.2	333.1	275.2	251.0	231.7	207.6	183.4	159.3	135.2	111.0
77.5°	309.0	280.0	255.9	231.7	217.2	202.8	183.4	169.0	144.8	125.5	101.4
80°	130.3	120.7	125.5	125.5	125.5	125.5	120.7	120.7	106.2	91.7	72.4
82.5°	29.0	24.1	29.0	29.0	29.0	29.0	24.1	24.1	24.1	19.3	19.3
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°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
5°	38.6	38.6	38.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
7.5°	38.6	38.6	38.6	33.8	33.8	33.8	33.8	29.0	29.0	29.0	29.0
10°	38.6	38.6	38.6	33.8	33.8	33.8	33.8	29.0	29.0	29.0	29.0
12.5°	43.4	43.4	38.6	38.6	33.8	33.8	33.8	29.0	29.0	29.0	29.0
15°	43.4	43.4	38.6	38.6	33.8	33.8	33.8	29.0	29.0	29.0	29.0
17.5°	48.3	43.4	43.4	38.6	33.8	33.8	33.8	29.0	29.0	29.0	29.0
20°	48.3	43.4	43.4	38.6	33.8	33.8	33.8	29.0	29.0	29.0	29.0
22.5°	48.3	43.4	43.4	38.6	33.8	33.8	29.0	29.0	24.1	24.1	19.3
25°	48.3	43.4	43.4	38.6	33.8	33.8	29.0	29.0	24.1	19.3	19.3
27.5°	48.3	43.4	43.4	38.6	33.8	29.0	29.0	24.1	19.3	14.5	14.5
30°	48.3	43.4	43.4	38.6	33.8	29.0	24.1	19.3	14.5	14.5	9.7
32.5°	48.3	43.4	38.6	33.8	29.0	24.1	24.1	19.3	14.5	9.7	9.7
35°	48.3	43.4	38.6	33.8	29.0	24.1	24.1	19.3	14.5	9.7	9.7
37.5°	48.3	43.4	38.6	33.8	29.0	24.1	19.3	14.5	9.7	9.7	4.8
40°	48.3	43.4	38.6	33.8	29.0	24.1	19.3	14.5	9.7	9.7	4.8
42.5°	48.3	43.4	38.6	33.8	29.0	24.1	19.3	14.5	9.7	9.7	4.8
45°	53.1	48.3	43.4	33.8	29.0	24.1	24.1	19.3	14.5	9.7	9.7
47.5°	53.1	48.3	43.4	33.8	29.0	24.1	24.1	19.3	14.5	9.7	9.7
50°	57.9	53.1	48.3	38.6	33.8	29.0	24.1	14.5	9.7	9.7	4.8
52.5°	62.8	57.9	53.1	48.3	43.4	33.8	24.1	14.5	4.8	4.8	4.8
55°	67.6	62.8	62.8	57.9	53.1	38.6	29.0	14.5	0.0	0.0	0.0
57.5°	72.4	67.6	67.6	62.8	57.9	43.4	29.0	14.5	0.0	0.0	0.0
60°	82.1	77.2	72.4	62.8	57.9	43.4	29.0	14.5	0.0	0.0	0.0
62.5°	96.5	86.9	72.4	62.8	48.3	38.6	24.1	14.5	0.0	0.0	0.0
65°	106.2	91.7	77.2	57.9	43.4	33.8	24.1	9.7	0.0	0.0	0.0
67.5°	111.0	91.7	77.2	57.9	38.6	29.0	19.3	9.7	0.0	0.0	0.0
70°	106.2	86.9	72.4	53.1	33.8	24.1	19.3	9.7	0.0	0.0	0.0
72.5°	96.5	82.1	62.8	48.3	29.0	24.1	14.5	9.7	0.0	0.0	0.0
75°	86.9	72.4	53.1	38.6	19.3	14.5	9.7	4.8	0.0	0.0	0.0
77.5°	77.2	62.8	43.4	29.0	9.7	9.7	4.8	4.8	0.0	0.0	0.0
80°	57.9	43.4	29.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.5	9.7	9.7	4.8	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



REPORT NUMBER: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
5°	29.0	29.0	29.0	29.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1
7.5°	29.0	29.0	29.0	29.0	24.1	24.1	24.1	24.1	19.3	19.3	19.3
10°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	19.3	19.3	19.3
12.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	19.3	19.3	19.3
15°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	19.3	19.3	14.5	14.5
17.5°	24.1	24.1	24.1	24.1	19.3	19.3	19.3	14.5	14.5	9.7	9.7
20°	24.1	24.1	24.1	19.3	19.3	14.5	14.5	9.7	9.7	4.8	4.8
22.5°	19.3	14.5	14.5	9.7	9.7	4.8	4.8	4.8	0.0	0.0	0.0
25°	14.5	9.7	9.7	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	9.7	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	9.7	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	4.8	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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	29.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
5°	24.1	24.1	24.1	24.1	19.3	19.3	19.3	19.3	19.3	19.3	19.3
7.5°	19.3	19.3	19.3	19.3	19.3	19.3	14.5	14.5	14.5	14.5	14.5
10°	19.3	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	9.7	9.7
12.5°	19.3	14.5	14.5	14.5	9.7	9.7	9.7	9.7	9.7	4.8	4.8
15°	14.5	9.7	9.7	9.7	4.8	4.8	4.8	4.8	4.8	0.0	0.0
17.5°	9.7	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	4.8	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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	29.0	29.0
5°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
7.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
10°	9.7	9.7	9.7	9.7	9.7	9.7	4.8	4.8	4.8	4.8	4.8
12.5°	4.8	4.8	4.8	4.8	4.8	4.8	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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	29.0	29.0	29.0	29.0	29.0	33.8	33.8	38.6	38.6	43.4	43.4
5°	19.3	19.3	24.1	24.1	24.1	24.1	29.0	29.0	29.0	33.8	33.8
7.5°	14.5	14.5	14.5	14.5	14.5	19.3	19.3	24.1	24.1	29.0	29.0
10°	4.8	4.8	9.7	9.7	9.7	9.7	14.5	14.5	14.5	19.3	24.1
12.5°	0.0	0.0	4.8	4.8	4.8	4.8	9.7	9.7	9.7	14.5	19.3
15°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	9.7	14.5
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	9.7
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	48.3	48.3	53.1	53.1	57.9	57.9	62.8	62.8	62.8	62.8	62.8
5°	38.6	38.6	43.4	48.3	48.3	53.1	57.9	57.9	57.9	57.9	57.9
7.5°	33.8	33.8	38.6	43.4	43.4	48.3	53.1	53.1	57.9	57.9	57.9
10°	24.1	29.0	33.8	38.6	38.6	43.4	48.3	48.3	53.1	53.1	53.1
12.5°	19.3	24.1	29.0	33.8	33.8	38.6	43.4	43.4	48.3	48.3	53.1
15°	14.5	19.3	24.1	29.0	29.0	33.8	38.6	38.6	43.4	48.3	53.1
17.5°	9.7	14.5	19.3	24.1	24.1	29.0	33.8	38.6	43.4	43.4	48.3
20°	9.7	9.7	14.5	19.3	19.3	24.1	29.0	33.8	38.6	38.6	43.4
22.5°	4.8	4.8	9.7	14.5	14.5	19.3	24.1	29.0	33.8	33.8	38.6
25°	0.0	0.0	4.8	9.7	9.7	14.5	19.3	19.3	24.1	24.1	29.0
27.5°	0.0	0.0	4.8	4.8	9.7	9.7	14.5	14.5	19.3	19.3	24.1
30°	0.0	0.0	4.8	4.8	9.7	9.7	14.5	14.5	19.3	19.3	19.3
32.5°	0.0	0.0	0.0	4.8	4.8	4.8	9.7	9.7	14.5	14.5	19.3
35°	0.0	0.0	0.0	4.8	4.8	4.8	9.7	9.7	14.5	14.5	14.5
37.5°	0.0	0.0	0.0	4.8	4.8	4.8	9.7	9.7	9.7	9.7	14.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	9.7	9.7	9.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	9.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	62.8	62.8
5°	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	57.9	57.9
7.5°	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	57.9	57.9
10°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
12.5°	53.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
15°	53.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
17.5°	48.3	53.1	53.1	53.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9
20°	43.4	48.3	48.3	48.3	53.1	53.1	53.1	53.1	57.9	57.9	57.9
22.5°	38.6	43.4	43.4	43.4	48.3	48.3	48.3	48.3	53.1	53.1	53.1
25°	33.8	33.8	38.6	38.6	43.4	43.4	43.4	43.4	43.4	43.4	43.4
27.5°	24.1	29.0	29.0	29.0	33.8	33.8	33.8	33.8	38.6	38.6	38.6
30°	24.1	24.1	24.1	24.1	29.0	29.0	29.0	29.0	33.8	33.8	33.8
32.5°	19.3	24.1	24.1	24.1	29.0	29.0	29.0	29.0	33.8	33.8	33.8
35°	19.3	19.3	19.3	19.3	24.1	24.1	24.1	24.1	29.0	29.0	29.0
37.5°	14.5	19.3	19.3	19.3	24.1	24.1	24.1	24.1	29.0	29.0	29.0
40°	14.5	14.5	14.5	14.5	19.3	19.3	19.3	19.3	24.1	24.1	24.1
42.5°	14.5	14.5	14.5	14.5	19.3	19.3	19.3	19.3	24.1	24.1	24.1
45°	14.5	14.5	14.5	14.5	19.3	19.3	19.3	19.3	24.1	24.1	24.1
47.5°	14.5	14.5	14.5	14.5	19.3	19.3	19.3	19.3	24.1	24.1	24.1
50°	14.5	14.5	14.5	14.5	19.3	19.3	19.3	19.3	24.1	24.1	24.1
52.5°	9.7	9.7	9.7	9.7	14.5	14.5	14.5	14.5	19.3	19.3	19.3
55°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	14.5	14.5	14.5
57.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	14.5	14.5	14.5
60°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
62.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	4.8	4.8
67.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
70°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
72.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
75°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
80°	14.5	14.5	14.5	14.5	14.5	9.7	9.7	9.7	9.7	9.7	9.7
82.5°	9.7	14.5	14.5	14.5	14.5	9.7	9.7	9.7	9.7	9.7	9.7
85°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	62.8	62.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	62.8	62.8
5°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	62.8	62.8
7.5°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	62.8	62.8
10°	57.9	57.9	57.9	57.9	53.1	53.1	57.9	57.9	57.9	62.8	62.8
12.5°	57.9	57.9	57.9	57.9	53.1	53.1	57.9	57.9	62.8	62.8	67.6
15°	57.9	57.9	53.1	53.1	53.1	53.1	57.9	57.9	62.8	62.8	67.6
17.5°	57.9	57.9	53.1	53.1	53.1	53.1	57.9	57.9	62.8	62.8	67.6
20°	57.9	57.9	53.1	53.1	53.1	53.1	53.1	53.1	57.9	62.8	62.8
22.5°	53.1	53.1	53.1	53.1	48.3	48.3	53.1	53.1	57.9	62.8	62.8
25°	43.4	48.3	48.3	48.3	48.3	48.3	53.1	53.1	57.9	62.8	62.8
27.5°	38.6	43.4	43.4	43.4	43.4	48.3	48.3	53.1	57.9	62.8	62.8
30°	33.8	38.6	38.6	38.6	43.4	48.3	48.3	53.1	57.9	62.8	62.8
32.5°	33.8	38.6	38.6	38.6	43.4	43.4	48.3	48.3	53.1	57.9	62.8
35°	33.8	33.8	38.6	38.6	38.6	43.4	43.4	48.3	53.1	57.9	62.8
37.5°	33.8	33.8	38.6	38.6	38.6	43.4	43.4	48.3	53.1	57.9	62.8
40°	29.0	33.8	33.8	38.6	38.6	43.4	43.4	48.3	53.1	62.8	67.6
42.5°	29.0	29.0	33.8	33.8	38.6	43.4	43.4	48.3	53.1	62.8	67.6
45°	29.0	33.8	33.8	38.6	43.4	48.3	48.3	53.1	57.9	62.8	67.6
47.5°	29.0	33.8	33.8	38.6	48.3	48.3	53.1	53.1	57.9	62.8	67.6
50°	29.0	33.8	33.8	38.6	53.1	53.1	53.1	53.1	57.9	62.8	67.6
52.5°	24.1	29.0	29.0	33.8	43.4	48.3	53.1	57.9	62.8	67.6	72.4
55°	19.3	24.1	24.1	29.0	38.6	43.4	53.1	62.8	67.6	72.4	77.2
57.5°	19.3	19.3	24.1	24.1	33.8	43.4	57.9	67.6	72.4	77.2	82.1
60°	14.5	14.5	19.3	19.3	29.0	38.6	53.1	67.6	72.4	82.1	86.9
62.5°	9.7	14.5	14.5	19.3	24.1	38.6	53.1	67.6	77.2	86.9	91.7
65°	9.7	9.7	14.5	14.5	24.1	33.8	48.3	57.9	72.4	86.9	101.4
67.5°	14.5	14.5	19.3	19.3	24.1	33.8	48.3	57.9	72.4	91.7	106.2
70°	14.5	14.5	19.3	19.3	29.0	38.6	48.3	57.9	72.4	91.7	106.2
72.5°	14.5	14.5	19.3	19.3	29.0	33.8	43.4	53.1	67.6	82.1	96.5
75°	9.7	14.5	14.5	14.5	24.1	29.0	38.6	48.3	62.8	77.2	91.7
77.5°	9.7	9.7	9.7	9.7	19.3	24.1	33.8	38.6	53.1	67.6	82.1
80°	9.7	9.7	9.7	9.7	14.5	19.3	29.0	33.8	48.3	62.8	77.2
82.5°	9.7	9.7	4.8	4.8	9.7	14.5	19.3	24.1	38.6	48.3	62.8
85°	9.7	9.7	4.8	4.8	4.8	9.7	9.7	14.5	19.3	24.1	29.0
87.5°	9.7	9.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	62.8	62.8	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
5°	62.8	67.6	67.6	72.4	72.4	72.4	77.2	77.2	77.2	77.2	77.2
7.5°	62.8	67.6	67.6	72.4	72.4	72.4	77.2	77.2	77.2	82.1	82.1
10°	62.8	67.6	67.6	72.4	72.4	77.2	82.1	82.1	86.9	86.9	86.9
12.5°	67.6	72.4	72.4	77.2	77.2	82.1	86.9	86.9	91.7	96.5	96.5
15°	67.6	72.4	77.2	77.2	82.1	86.9	91.7	91.7	96.5	101.4	106.2
17.5°	67.6	72.4	77.2	77.2	82.1	86.9	96.5	101.4	106.2	115.9	120.7
20°	67.6	72.4	77.2	77.2	82.1	91.7	96.5	106.2	111.0	120.7	130.3
22.5°	67.6	72.4	77.2	82.1	86.9	96.5	106.2	111.0	120.7	135.2	144.8
25°	67.6	72.4	77.2	82.1	86.9	96.5	106.2	115.9	125.5	144.8	164.1
27.5°	67.6	72.4	82.1	86.9	91.7	101.4	115.9	125.5	135.2	169.0	202.8
30°	67.6	72.4	82.1	86.9	91.7	106.2	120.7	130.3	144.8	202.8	255.9
32.5°	67.6	77.2	82.1	91.7	96.5	111.0	130.3	144.8	159.3	241.4	318.6
35°	67.6	77.2	82.1	91.7	96.5	115.9	135.2	154.5	173.8	294.5	415.2
37.5°	67.6	77.2	82.1	91.7	96.5	125.5	154.5	183.4	212.4	337.9	463.4
40°	72.4	82.1	86.9	96.5	101.4	130.3	159.3	188.3	217.2	342.8	468.3
42.5°	72.4	82.1	86.9	96.5	101.4	125.5	154.5	178.6	202.8	342.8	482.7
45°	72.4	82.1	91.7	96.5	106.2	130.3	154.5	173.8	197.9	376.5	550.3
47.5°	72.4	82.1	91.7	96.5	106.2	130.3	154.5	178.6	202.8	497.2	786.9
50°	72.4	82.1	91.7	96.5	106.2	135.2	164.1	193.1	222.1	743.4	1264.8
52.5°	77.2	82.1	91.7	96.5	101.4	135.2	169.0	202.8	236.5	965.5	1689.6
55°	82.1	86.9	91.7	96.5	101.4	144.8	188.3	231.7	275.2	1037.9	1795.8
57.5°	86.9	91.7	96.5	96.5	101.4	154.5	212.4	265.5	318.6	1033.1	1742.7
60°	91.7	96.5	101.4	106.2	111.0	164.1	222.1	275.2	328.3	936.5	1544.8
62.5°	101.4	111.0	120.7	125.5	135.2	188.3	236.5	289.6	337.9	767.6	1192.4
65°	115.9	125.5	130.3	140.0	144.8	193.1	246.2	294.5	342.8	637.2	926.9
67.5°	120.7	130.3	135.2	144.8	149.7	197.9	246.2	294.5	342.8	540.7	733.8
70°	120.7	130.3	140.0	144.8	154.5	202.8	246.2	294.5	337.9	468.3	598.6
72.5°	111.0	125.5	135.2	149.7	159.3	202.8	241.4	284.8	323.4	415.2	506.9
75°	106.2	125.5	140.0	159.3	173.8	202.8	236.5	265.5	294.5	362.1	429.6
77.5°	96.5	120.7	144.8	169.0	193.1	212.4	226.9	246.2	260.7	304.1	347.6
80°	91.7	115.9	140.0	164.1	188.3	197.9	202.8	212.4	217.2	222.1	226.9
82.5°	72.4	91.7	111.0	125.5	144.8	135.2	130.3	120.7	111.0	106.2	101.4
85°	33.8	38.6	38.6	43.4	43.4	43.4	38.6	38.6	33.8	29.0	24.1
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	67.6	67.6	67.6	67.6	62.8	62.8	62.8	62.8	57.9	57.9	57.9
5°	77.2	77.2	77.2	77.2	72.4	72.4	72.4	72.4	67.6	67.6	67.6
7.5°	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
10°	91.7	91.7	91.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
12.5°	101.4	101.4	106.2	106.2	111.0	111.0	115.9	115.9	120.7	120.7	120.7
15°	111.0	115.9	120.7	125.5	125.5	130.3	135.2	140.0	144.8	149.7	154.5
17.5°	130.3	135.2	144.8	154.5	164.1	173.8	188.3	207.6	222.1	236.5	255.9
20°	144.8	159.3	188.3	222.1	251.0	280.0	352.4	424.8	497.2	569.6	642.1
22.5°	173.8	202.8	299.3	400.7	497.2	593.8	820.7	1047.6	1269.6	1496.5	1699.3
25°	231.7	294.5	516.5	738.6	955.8	1177.9	1583.4	1993.8	2399.3	2804.8	3181.3
27.5°	318.6	434.5	796.5	1163.4	1525.5	1887.6	2476.5	3070.3	3659.2	4253.0	4779.2
30°	444.1	632.4	1173.1	1718.6	2259.3	2799.9	3543.4	4291.6	5035.1	5778.5	6261.3
32.5°	603.4	883.4	1568.9	2254.4	2939.9	3625.5	4446.1	5266.8	6082.6	6903.3	7415.0
35°	772.4	1129.6	1955.1	2785.5	3611.0	4441.3	5305.4	6169.5	7033.7	7897.8	8525.4
37.5°	868.9	1274.5	2254.4	3234.4	4209.6	5189.6	6135.7	7086.8	8033.0	8979.1	9741.9
40°	960.7	1448.2	2577.9	3707.5	4837.2	5966.8	7072.3	8177.8	9283.3	10388.8	11368.8
42.5°	1095.8	1708.9	3026.8	4344.7	5657.8	6975.7	8428.8	9886.7	11339.8	12792.9	14299.0
45°	1375.8	2201.3	3910.3	5619.2	7323.3	9032.2	11093.6	13159.8	15221.1	17287.3	19218.3
47.5°	2051.7	3311.7	5643.3	7975.0	10306.7	12638.4	15013.5	17388.6	19763.8	22138.9	24436.8
50°	3176.5	5083.4	7999.2	10915.0	13826.0	16741.8	19112.1	21482.4	23847.8	26218.1	28501.5
52.5°	4233.7	6777.8	9910.9	13048.7	16181.8	19319.6	21419.6	23519.6	25619.5	27719.5	29930.5
55°	4595.8	7390.9	10562.6	13739.1	16910.7	20087.2	22109.9	24137.5	26160.2	28182.9	30476.0
57.5°	4277.2	6811.6	10007.4	13203.2	16394.2	19590.0	21849.3	24113.4	26372.6	28636.7	31093.9
60°	3582.0	5614.4	8969.5	12329.4	15684.5	19039.7	21588.6	24137.5	26686.4	29235.3	31687.7
62.5°	2838.6	4479.9	8033.0	11586.0	15139.0	18692.1	21284.4	23881.6	26474.0	29066.4	30949.1
65°	2177.2	3427.5	6922.6	10422.6	13917.7	17417.6	19541.7	21670.6	23794.7	25923.7	27227.1
67.5°	1617.2	2500.6	5556.4	8617.1	11672.9	14728.7	16292.8	17861.7	19425.9	20994.8	22008.6
70°	1192.4	1781.3	3862.0	5942.6	8018.5	10099.1	11532.9	12966.7	14395.6	15829.4	16881.8
72.5°	825.5	1139.3	2384.8	3635.1	4880.6	6126.1	7579.2	9032.2	10480.5	11933.6	13130.8
75°	564.8	700.0	1284.1	1868.2	2452.4	3036.5	4137.2	5237.8	6338.5	7439.2	8071.6
77.5°	420.0	492.4	666.2	844.8	1018.6	1192.4	1404.8	1617.2	1829.6	2042.0	2317.2
80°	231.7	231.7	255.9	275.2	299.3	318.6	376.5	439.3	497.2	560.0	637.2
82.5°	106.2	111.0	120.7	130.3	135.2	144.8	154.5	164.1	173.8	183.4	183.4
85°	29.0	33.8	33.8	29.0	29.0	24.1	24.1	29.0	29.0	29.0	29.0
87.5°	4.8	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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	57.9	53.1	53.1	53.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3
5°	67.6	67.6	67.6	67.6	62.8	62.8	62.8	62.8	62.8	57.9	57.9
7.5°	82.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	72.4	72.4
10°	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	91.7	91.7
12.5°	120.7	120.7	120.7	120.7	125.5	125.5	120.7	120.7	120.7	115.9	115.9
15°	159.3	164.1	169.0	169.0	173.8	173.8	173.8	169.0	169.0	164.1	159.3
17.5°	270.3	284.8	304.1	323.4	342.8	357.2	357.2	347.6	337.9	328.3	318.6
20°	719.3	791.7	868.9	946.2	1028.3	1086.2	1047.6	1018.6	989.6	955.8	926.9
22.5°	1906.9	2109.6	2317.2	2462.0	2606.8	2708.2	2626.2	2466.9	2307.5	2153.1	1993.8
25°	3557.9	3929.6	4306.1	4460.6	4619.9	4735.8	4682.7	4441.3	4199.9	3963.4	3722.0
27.5°	5305.4	5826.8	6353.0	6488.2	6623.3	6724.7	6705.4	6391.6	6077.8	5764.0	5450.2
30°	6744.0	7226.8	7709.5	7844.7	7979.9	8071.6	7970.2	7656.4	7342.6	7028.8	6715.0
32.5°	7931.6	8443.3	8959.8	9138.5	9317.1	9437.8	9317.1	8940.5	8564.0	8192.3	7815.7
35°	9152.9	9775.7	10403.3	10630.2	10857.0	11001.9	10799.1	10335.7	9872.2	9413.6	8950.2
37.5°	10504.6	11262.6	12025.3	12334.3	12648.0	12865.3	12710.8	12131.5	11547.4	10968.1	10383.9
40°	12353.6	13333.5	14318.4	14873.5	15423.9	15814.9	15539.7	14868.7	14192.8	13521.8	12846.0
42.5°	15810.1	17316.2	18822.4	19619.0	20410.7	20985.1	20676.2	19850.7	19025.2	18199.7	17374.2
45°	21149.3	23075.4	25006.4	26169.9	27338.1	28197.4	27840.2	26802.3	25759.5	24721.6	23683.7
47.5°	26734.7	29032.6	31330.5	32257.3	33189.0	33913.2	33826.3	32532.5	31238.7	29949.8	28656.0
50°	30789.8	33073.2	35356.6	36153.1	36954.5	37548.3	37326.2	35680.0	34029.0	32382.9	30731.9
52.5°	32141.5	34347.6	36558.6	37509.7	38460.7	39170.3	38900.0	37046.2	35192.5	33343.5	31489.8
55°	32769.1	35062.1	37355.2	38513.8	39677.2	40526.8	40135.8	38103.4	36066.2	34033.9	31996.7
57.5°	33551.1	36008.3	38465.5	39735.1	41004.8	41922.0	41400.6	39295.8	37191.0	35091.1	32986.3
60°	34140.1	36587.6	39040.0	40058.6	41082.0	41796.5	41294.4	39247.6	37195.9	35149.0	33102.2
62.5°	32836.6	34719.4	36602.1	37360.0	38117.9	38668.3	38383.4	36442.8	34502.1	32561.5	30620.8
65°	28535.3	29838.8	31147.0	31658.7	32165.6	32556.6	32469.7	30833.2	29196.7	27565.0	25928.5
67.5°	23027.2	24040.9	25059.5	25783.7	26512.6	27077.4	27014.7	25523.0	24031.3	22539.6	21047.9
70°	17939.0	18991.4	20043.8	20956.2	21873.4	22583.0	22491.3	21105.8	19715.5	18330.0	16939.7
72.5°	14332.8	15530.1	16727.3	17248.6	17770.0	18136.9	17866.6	16819.0	15766.6	14719.0	13666.6
75°	8704.0	9331.6	9964.0	9959.1	9959.1	9901.2	9630.9	9032.2	8433.6	7835.0	7236.4
77.5°	2592.4	2867.5	3142.7	3408.2	3678.6	3881.3	3828.2	3514.4	3195.8	2882.0	2563.4
80°	714.5	786.9	864.1	897.9	931.7	975.2	1086.2	1008.9	931.7	859.3	782.1
82.5°	183.4	183.4	183.4	178.6	173.8	164.1	149.7	140.0	130.3	120.7	111.0
85°	29.0	24.1	24.1	24.1	19.3	19.3	19.3	19.3	14.5	14.5	9.7
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	48.3	48.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	38.6
5°	57.9	57.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	48.3
7.5°	72.4	72.4	67.6	67.6	67.6	67.6	62.8	62.8	62.8	62.8	57.9
10°	91.7	86.9	86.9	82.1	82.1	82.1	77.2	77.2	77.2	72.4	72.4
12.5°	115.9	111.0	111.0	106.2	101.4	101.4	96.5	91.7	86.9	86.9	82.1
15°	154.5	149.7	144.8	140.0	135.2	125.5	120.7	111.0	106.2	101.4	96.5
17.5°	294.5	270.3	246.2	222.1	202.8	183.4	164.1	144.8	135.2	125.5	115.9
20°	820.7	709.6	603.4	497.2	429.6	362.1	294.5	226.9	197.9	173.8	144.8
22.5°	1776.5	1554.5	1337.2	1115.2	936.5	762.7	584.1	405.5	337.9	275.2	207.6
25°	3302.0	2877.2	2457.2	2032.4	1694.5	1356.5	1018.6	680.7	555.2	429.6	304.1
27.5°	4899.9	4349.6	3799.2	3248.9	2713.1	2172.4	1631.7	1095.8	878.6	666.2	449.0
30°	6130.9	5546.8	4967.5	4383.4	3707.5	3031.7	2351.0	1675.1	1332.4	989.6	642.1
32.5°	7188.1	6555.7	5928.2	5295.8	4513.7	3731.7	2949.6	2167.5	1737.9	1308.3	873.8
35°	8235.7	7516.4	6801.9	6082.6	5242.7	4402.7	3562.7	2722.7	2177.2	1631.7	1081.4
37.5°	9510.2	8631.6	7757.8	6884.0	6019.9	5160.6	4296.5	3432.4	2737.2	2046.9	1351.7
40°	11730.8	10610.8	9495.7	8375.7	7366.8	6362.6	5353.7	4344.7	3471.0	2597.2	1718.6
42.5°	15969.4	14564.6	13164.6	11759.8	10364.6	8969.5	7569.5	6174.4	4928.9	3688.2	2442.7
45°	21883.0	20082.4	18286.6	16485.9	14767.3	13053.6	11335.0	9616.4	7724.0	5831.6	3934.4
47.5°	26686.4	24712.0	22742.3	20767.9	18861.0	16959.0	15052.1	13145.3	10721.9	8303.3	5879.9
50°	28854.0	26971.2	25093.3	23210.6	21298.9	19382.4	17465.9	15554.2	12773.6	9997.7	7217.1
52.5°	29582.9	27671.2	25764.4	23852.7	21955.5	20058.3	18161.0	16263.8	13372.2	10485.3	7593.7
55°	29983.6	27965.7	25952.6	23934.7	21892.7	19845.8	17799.0	15757.0	12879.8	10007.4	7130.2
57.5°	30794.6	28598.1	26406.4	24209.9	21883.0	19556.2	17224.5	14897.7	12059.1	9220.5	6382.0
60°	30944.3	28781.5	26623.7	24465.8	21892.7	19319.6	16741.8	14168.7	11349.4	8535.0	5715.8
62.5°	28815.3	27009.8	25209.2	23403.7	20825.8	18247.9	15665.2	13087.3	10388.8	7690.2	4986.8
65°	24369.2	22809.9	21255.5	19696.2	17591.4	15491.4	13386.7	11281.9	8872.9	6468.8	4059.9
67.5°	19522.4	17996.9	16476.2	14950.8	13367.3	11788.7	10205.3	8621.9	6763.3	4904.7	3046.2
70°	15477.0	14009.4	12546.7	11079.1	9679.1	8274.3	6869.5	5469.6	4315.8	3166.8	2013.1
72.5°	12266.7	10861.9	9461.9	8057.1	6787.5	5517.8	4248.2	2978.6	2404.1	1834.4	1260.0
75°	6507.5	5778.5	5054.4	4325.4	3611.0	2891.7	2172.4	1457.9	1231.0	1004.1	772.4
77.5°	2244.8	1926.2	1612.4	1293.8	1076.5	859.3	642.1	424.8	400.7	381.4	357.2
80°	680.7	579.3	477.9	376.5	333.1	289.6	246.2	202.8	188.3	173.8	154.5
82.5°	106.2	96.5	91.7	82.1	77.2	77.2	72.4	67.6	57.9	53.1	43.4
85°	9.7	4.8	4.8	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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: P1067668

CATALOG NUMBER: NAV-SA4D-722-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	43.4	43.4
2.5°	38.6	38.6
5°	48.3	48.3
7.5°	57.9	57.9
10°	67.6	67.6
12.5°	77.2	77.2
15°	91.7	86.9
17.5°	106.2	101.4
20°	115.9	106.2
22.5°	140.0	120.7
25°	178.6	149.7
27.5°	231.7	183.4
30°	299.3	231.7
32.5°	444.1	323.4
35°	535.9	391.0
37.5°	656.5	453.8
40°	844.8	550.3
42.5°	1197.2	748.3
45°	2042.0	1240.7
47.5°	3461.3	2114.4
50°	4436.5	2713.1
52.5°	4706.8	2877.2
55°	4257.9	2640.6
57.5°	3543.4	2244.8
60°	2901.3	1848.9
62.5°	2288.2	1462.7
65°	1651.0	1105.5
67.5°	1187.6	849.6
70°	864.1	666.2
72.5°	685.5	555.2
75°	545.5	463.4
77.5°	337.9	309.0
80°	140.0	130.3
82.5°	33.8	29.0
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: P1067668

CATALOG NUMBER: NAV-SA4D-722-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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

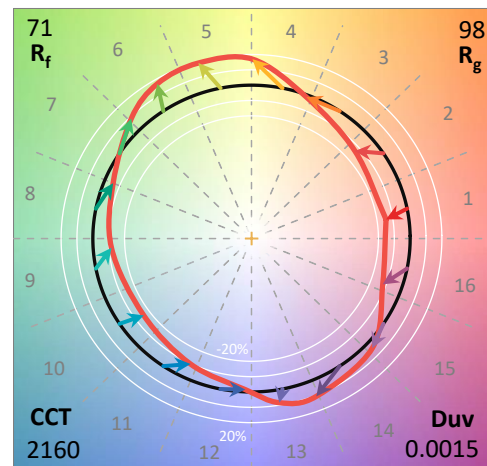
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

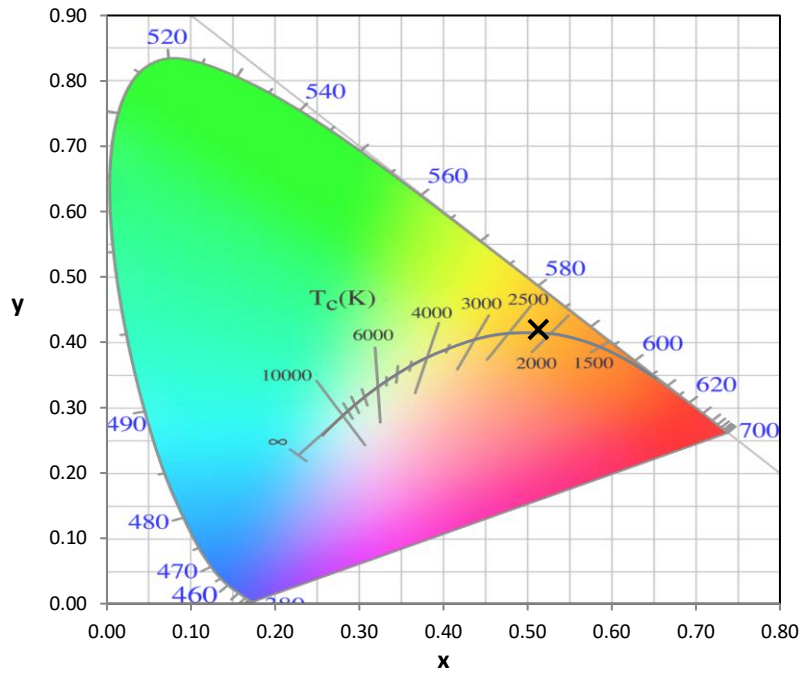
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

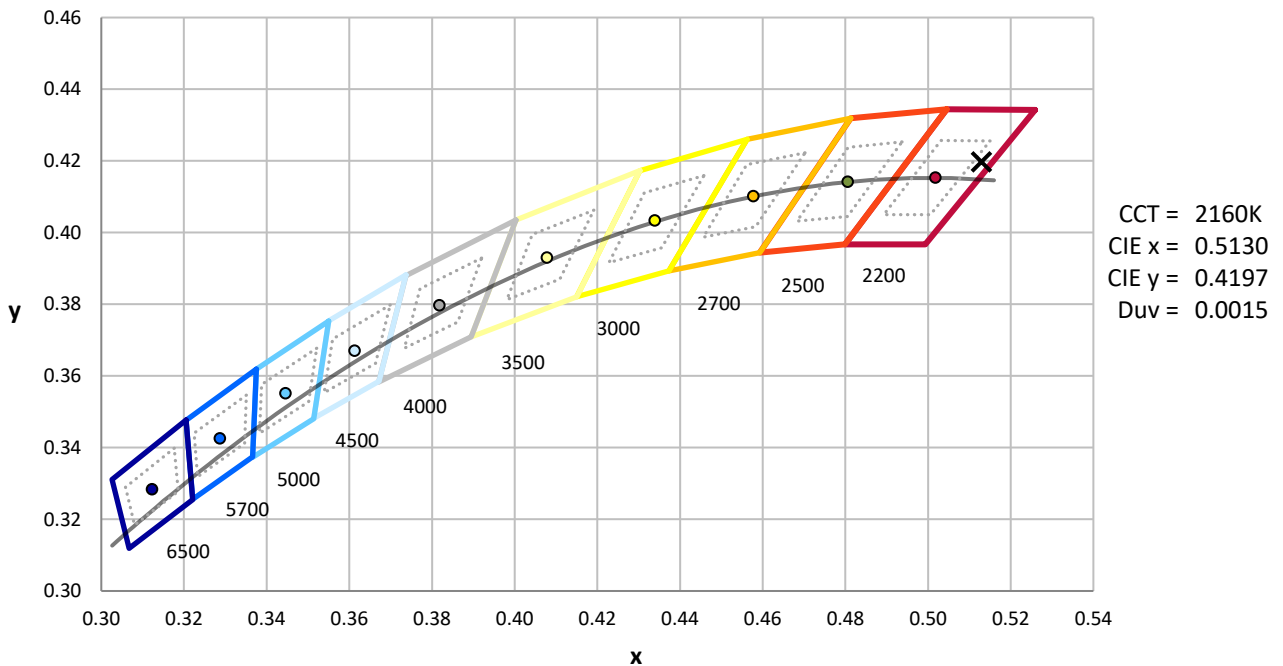
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



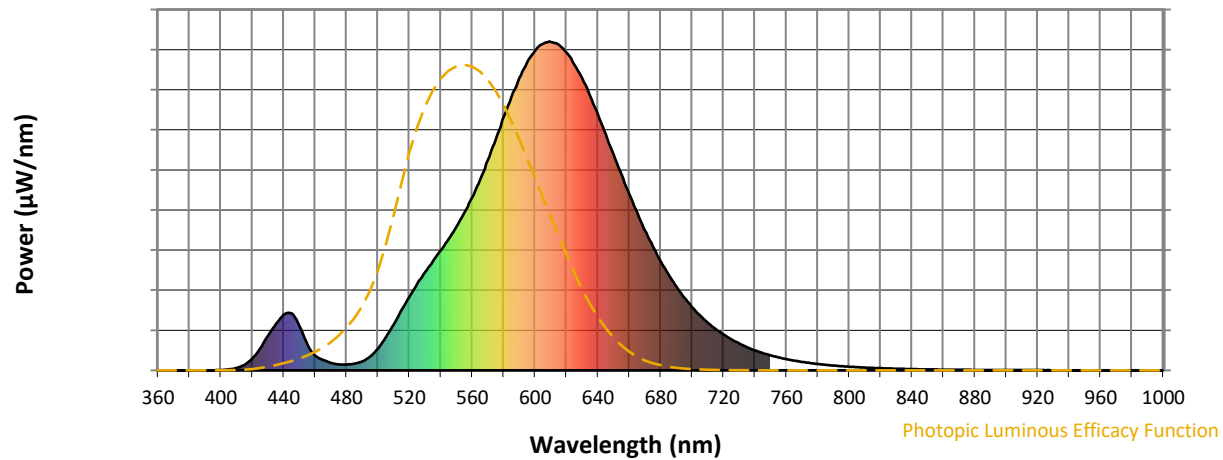
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

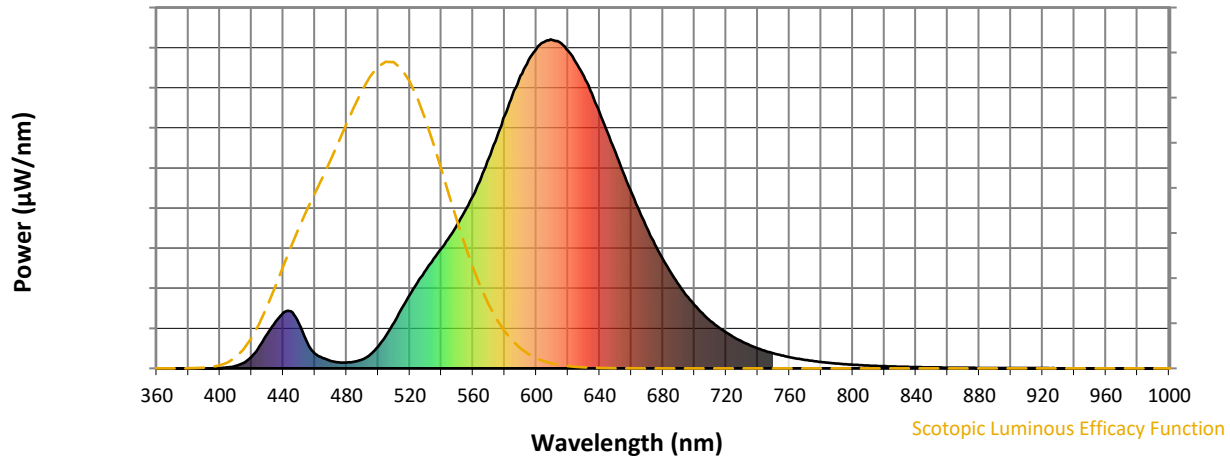


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



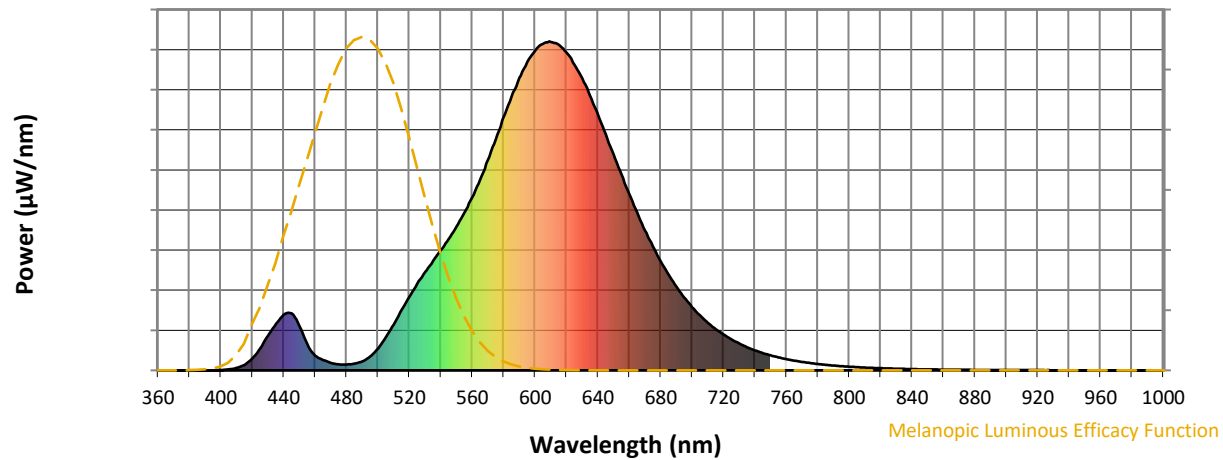
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.21

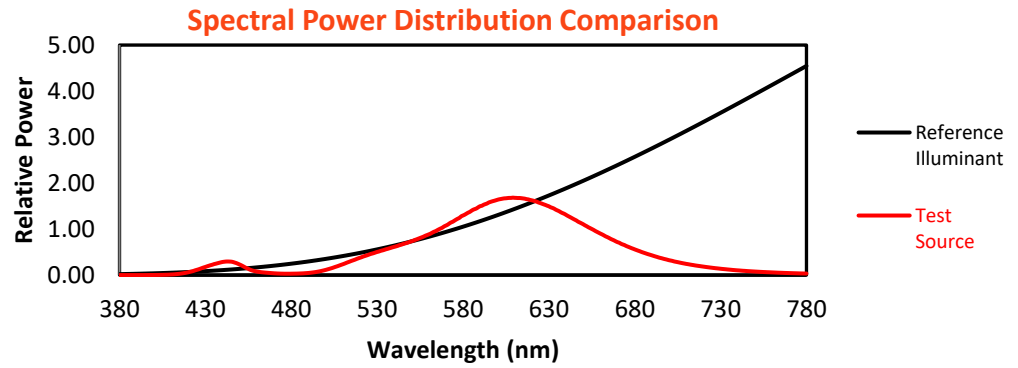
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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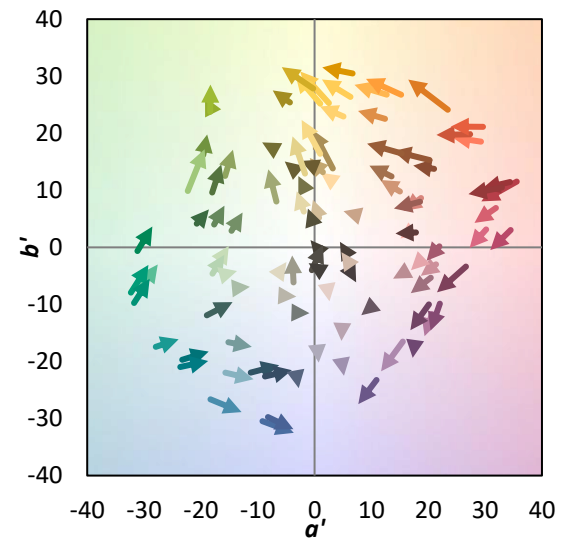
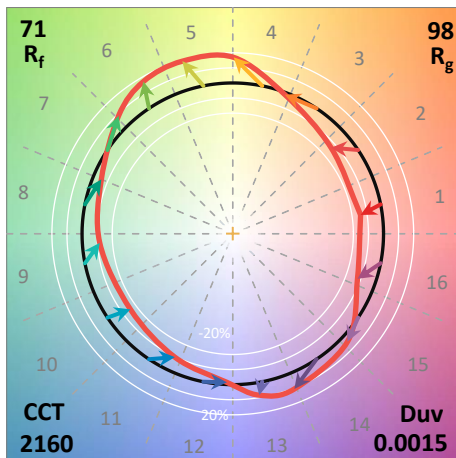
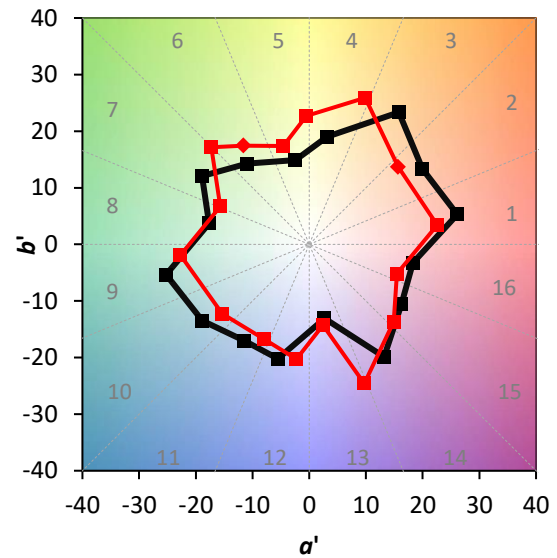
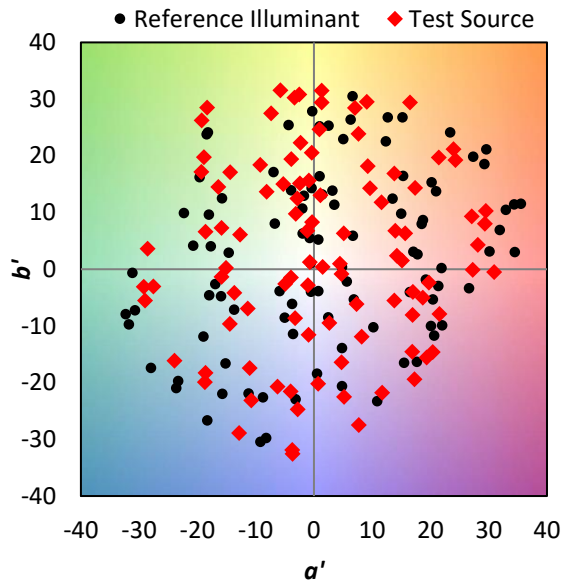
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$

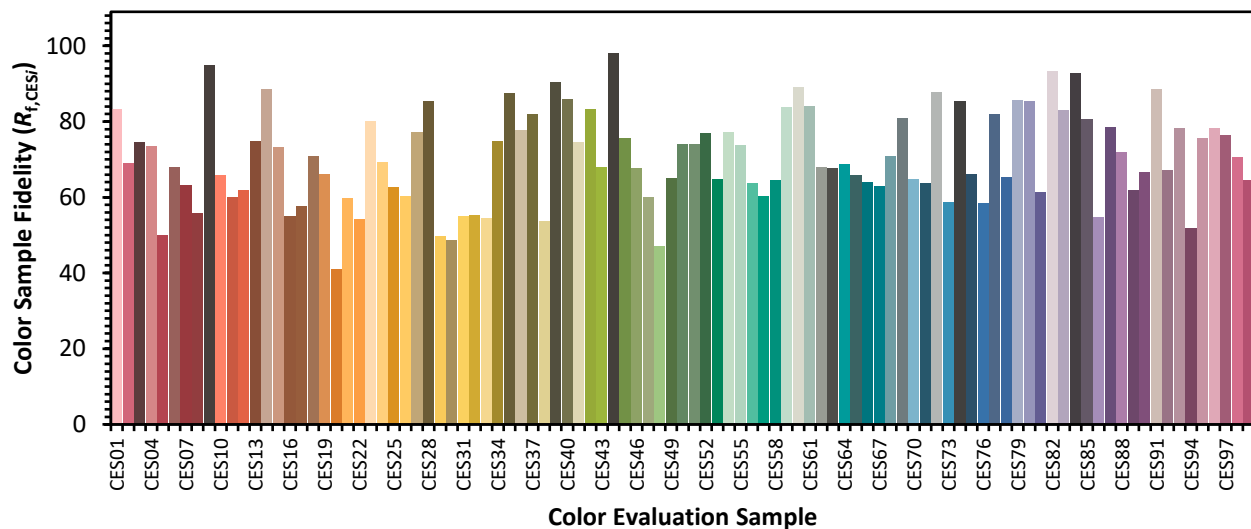


Color Vector Graphics

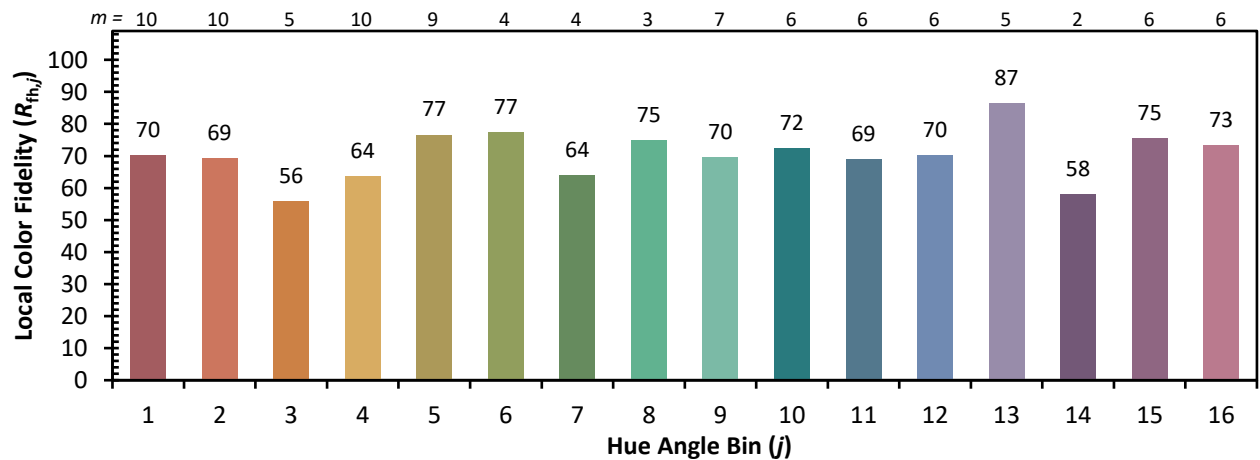
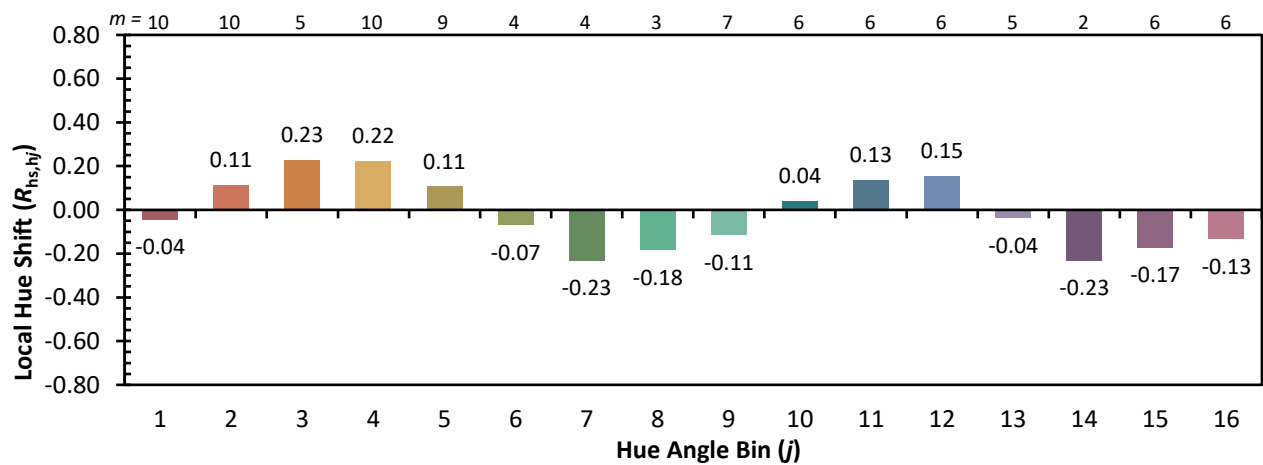
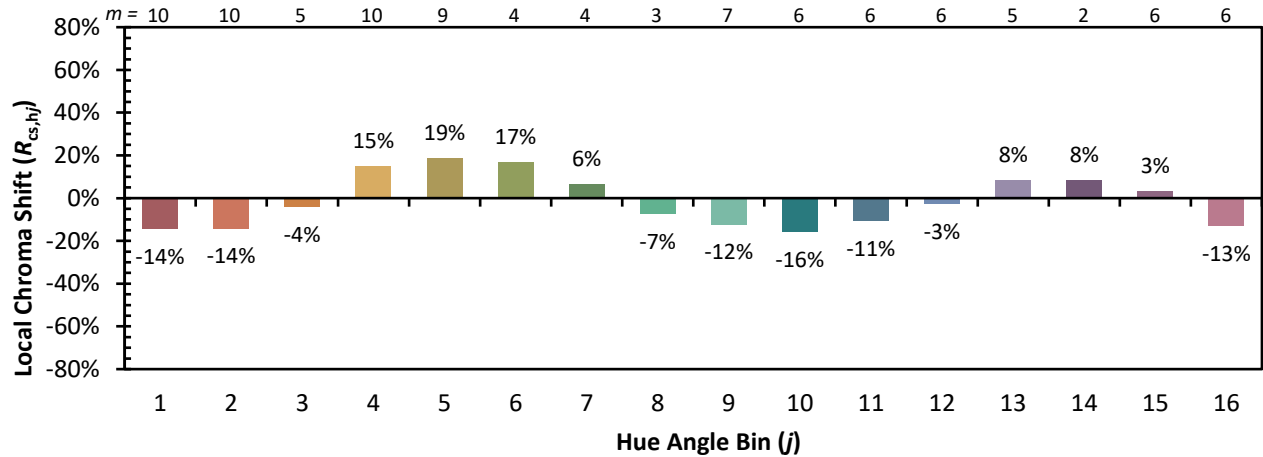


Individual Sample Fidelity Index ($R_{f,i}$)

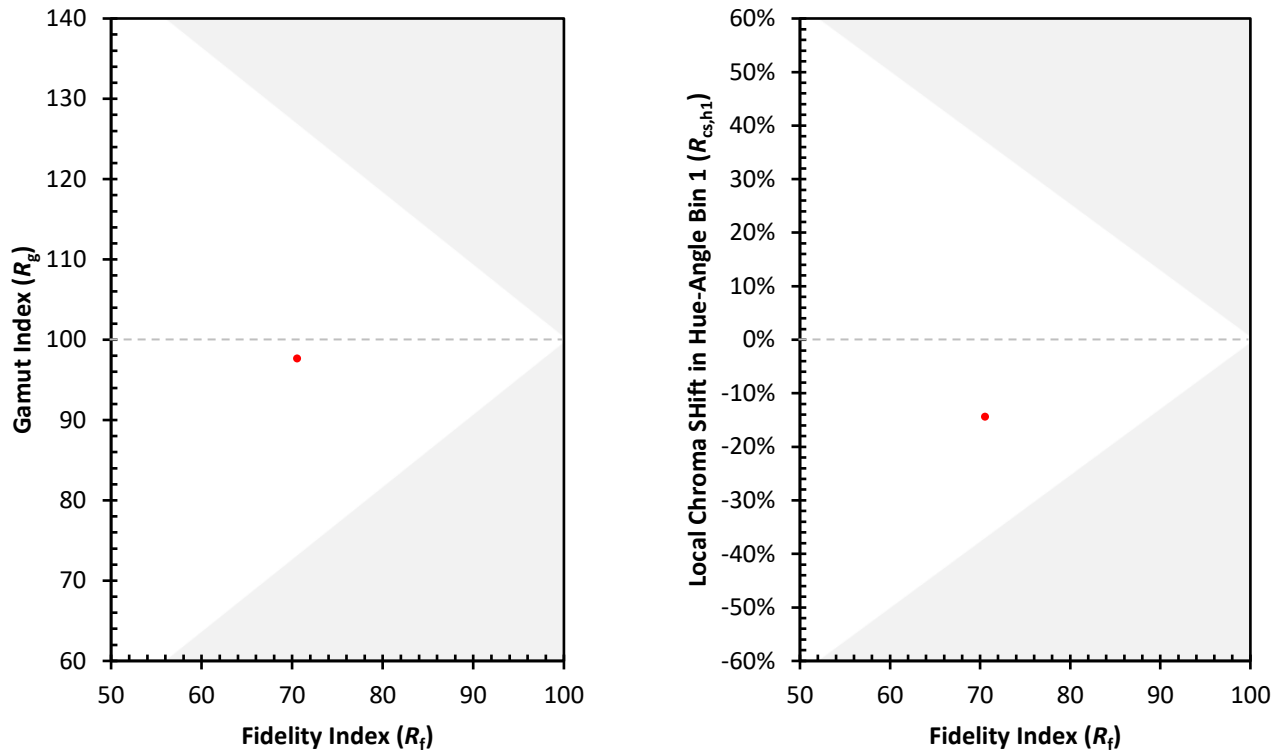
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)