

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: P1067840

Luminaire Tested: **NAV-SA5D-830-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067840
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-830-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 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: 20893.5 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 269.7
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

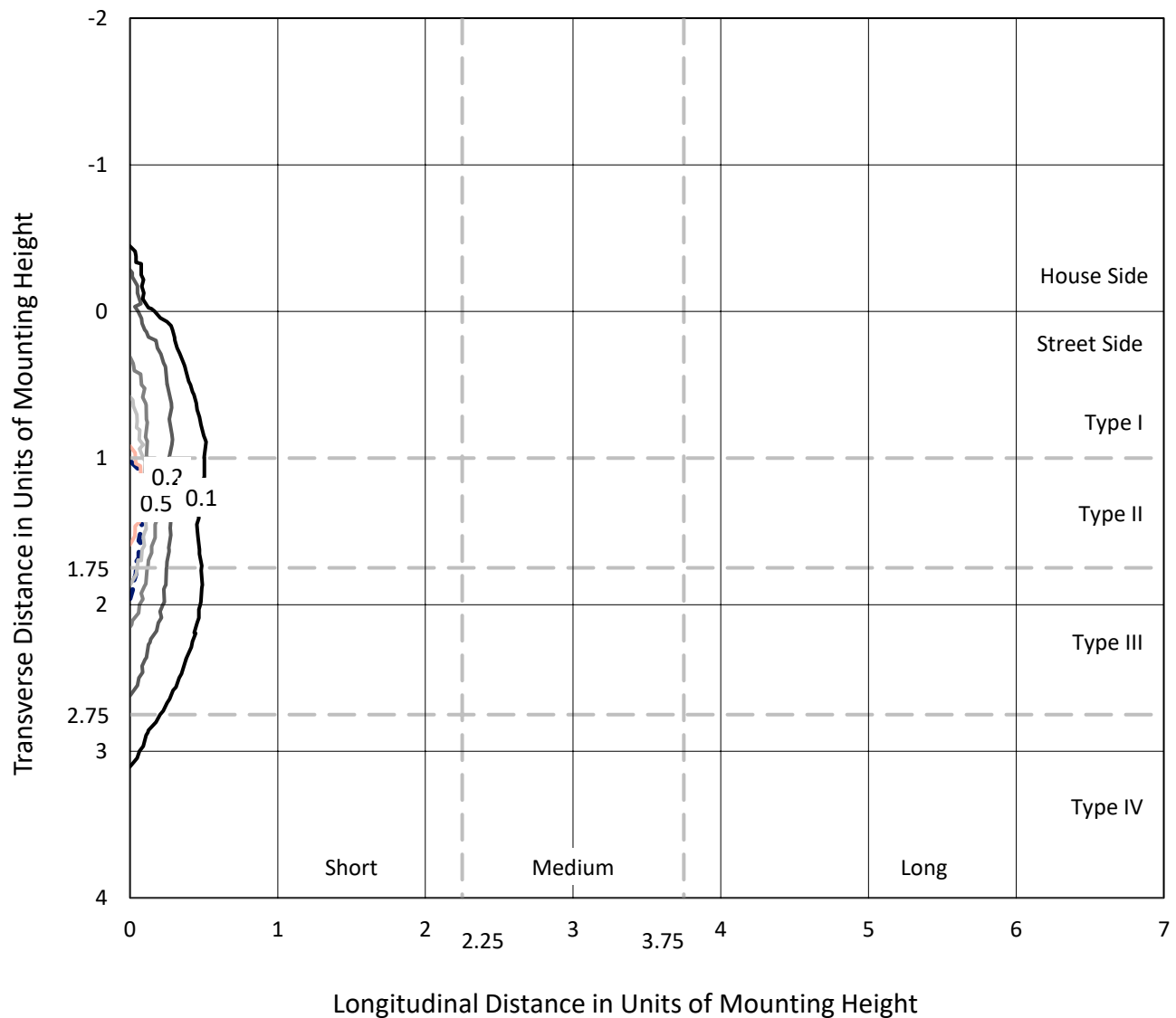


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

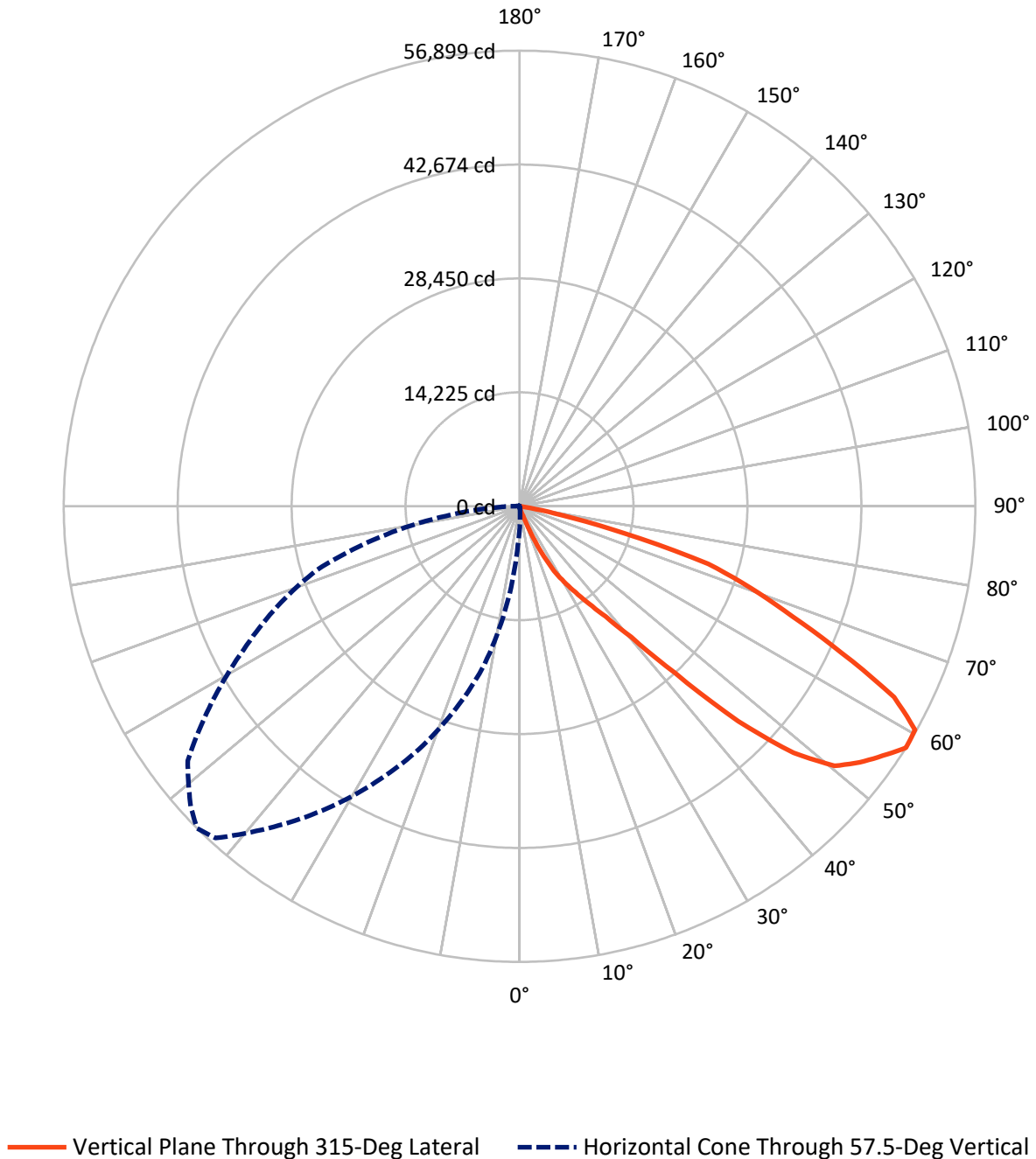


Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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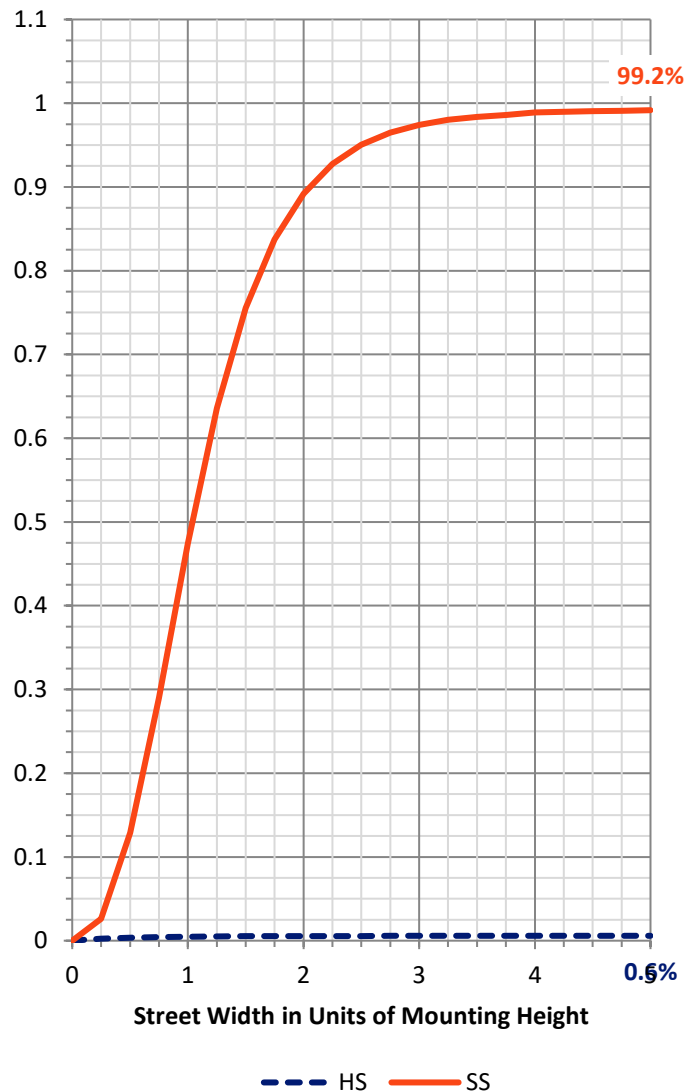
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	124.3	0.0	124.3
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	20769.2	0.0	20769.2
	% Fixture	99.4	0.0	99.4
Total	Lumens	20893.5	0.0	20893.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.0
10°-20°	30.7	0.1
20°-30°	390.0	1.9
30°-40°	1314.3	6.3
40°-50°	3969.1	19.0
50°-60°	7002.8	33.5
60°-70°	6169.4	29.5
70°-80°	1963.9	9.4
80°-90°	47.3	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°	20893.5	100.0
0°-180°	20893.5	100.0



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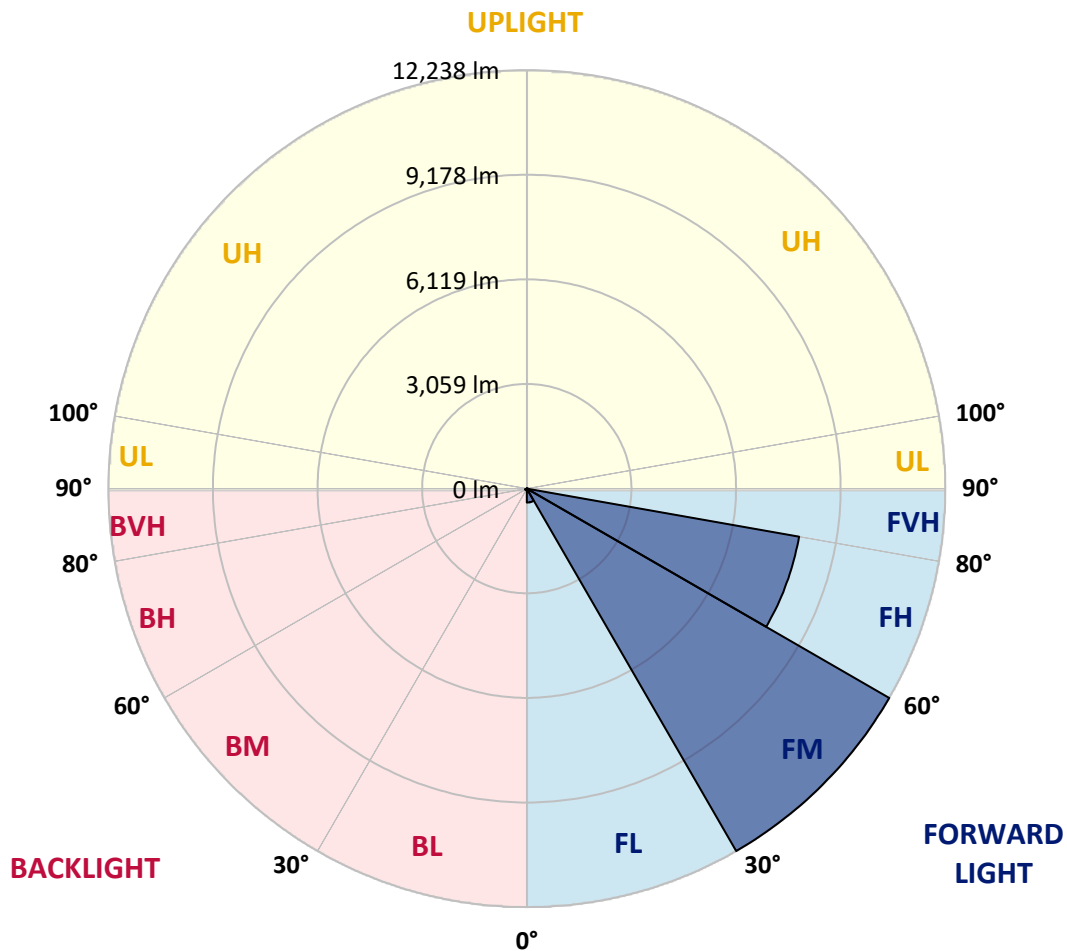
CATALOG NUMBER: NAV-SA5D-830-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.2	2.0			
FM	(30°-60°)	12238.0	58.6			
FH	(60°-80°)	8084.6	38.7			G4/12000
FVH	(80°-90°)	38.5	0.2			G1/100
BL	(0°-30°)	18.6	0.1	B0/110		
BM	(30°-60°)	48.2	0.2	B0/220		
BH	(60°-80°)	48.7	0.2	B0/110		G0/110
BVH	(80°-90°)	8.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

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°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	45.9
5°	65.5	65.5	65.5	59.0	59.0	59.0	52.4	52.4	52.4	52.4	52.4
7.5°	78.6	72.1	72.1	65.5	65.5	65.5	59.0	59.0	59.0	59.0	52.4
10°	91.7	85.2	85.2	78.6	78.6	72.1	72.1	65.5	65.5	59.0	59.0
12.5°	104.8	98.3	91.7	85.2	85.2	78.6	78.6	72.1	72.1	65.5	65.5
15°	117.9	111.4	104.8	98.3	91.7	91.7	85.2	78.6	72.1	72.1	65.5
17.5°	137.6	124.5	117.9	104.8	98.3	91.7	85.2	78.6	78.6	72.1	72.1
20°	144.1	131.0	124.5	111.4	104.8	98.3	91.7	85.2	78.6	78.6	72.1
22.5°	170.4	144.1	137.6	124.5	117.9	111.4	98.3	91.7	85.2	78.6	72.1
25°	209.7	170.4	150.7	131.0	124.5	111.4	104.8	91.7	85.2	78.6	72.1
27.5°	255.5	190.0	170.4	144.1	131.0	117.9	104.8	91.7	85.2	78.6	72.1
30°	314.5	222.8	190.0	157.3	144.1	131.0	111.4	98.3	91.7	85.2	72.1
32.5°	439.0	275.2	222.8	170.4	150.7	137.6	117.9	98.3	91.7	85.2	72.1
35°	530.7	334.2	268.6	196.6	170.4	150.7	124.5	98.3	91.7	85.2	72.1
37.5°	615.9	340.7	275.2	209.7	183.5	157.3	124.5	98.3	91.7	85.2	72.1
40°	753.5	353.8	275.2	196.6	176.9	150.7	131.0	104.8	98.3	85.2	78.6
42.5°	1015.6	406.2	294.8	183.5	163.8	150.7	131.0	111.4	98.3	91.7	78.6
45°	1690.5	602.8	399.7	190.0	170.4	150.7	131.0	111.4	104.8	91.7	85.2
47.5°	2876.4	1048.3	622.5	196.6	176.9	150.7	131.0	104.8	98.3	91.7	78.6
50°	3682.3	1343.2	786.3	229.3	196.6	170.4	137.6	104.8	98.3	91.7	85.2
52.5°	3911.7	1428.4	851.8	268.6	229.3	190.0	144.1	104.8	98.3	98.3	91.7
55°	3584.0	1389.1	851.8	314.5	262.1	216.2	163.8	111.4	104.8	104.8	98.3
57.5°	3046.8	1284.2	812.5	340.7	288.3	229.3	176.9	117.9	111.4	111.4	104.8
60°	2509.5	1081.1	733.8	380.0	321.1	262.1	203.1	144.1	137.6	131.0	117.9
62.5°	1991.9	871.4	642.1	406.2	347.3	281.7	222.8	157.3	150.7	144.1	137.6
65°	1500.4	760.1	596.2	425.9	360.4	294.8	229.3	163.8	157.3	157.3	150.7
67.5°	1153.2	694.5	570.0	439.0	373.5	308.0	242.4	176.9	170.4	163.8	157.3
70°	910.8	642.1	537.3	432.4	373.5	314.5	249.0	190.0	176.9	170.4	157.3
72.5°	760.1	583.1	498.0	412.8	366.9	321.1	275.2	229.3	203.1	183.5	157.3
75°	635.6	524.2	452.1	373.5	340.7	314.5	281.7	249.0	216.2	183.5	150.7
77.5°	419.3	380.0	347.3	314.5	294.8	275.2	249.0	229.3	196.6	170.4	137.6
80°	176.9	163.8	170.4	170.4	170.4	170.4	163.8	163.8	144.1	124.5	98.3
82.5°	39.3	32.8	39.3	39.3	39.3	39.3	32.8	32.8	32.8	26.2	26.2
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°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
5°	52.4	52.4	52.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
7.5°	52.4	52.4	52.4	45.9	45.9	45.9	45.9	39.3	39.3	39.3	39.3
10°	52.4	52.4	52.4	45.9	45.9	45.9	45.9	39.3	39.3	39.3	39.3
12.5°	59.0	59.0	52.4	52.4	45.9	45.9	45.9	39.3	39.3	39.3	39.3
15°	59.0	59.0	52.4	52.4	45.9	45.9	45.9	39.3	39.3	39.3	39.3
17.5°	65.5	59.0	59.0	52.4	45.9	45.9	45.9	39.3	39.3	39.3	39.3
20°	65.5	59.0	59.0	52.4	45.9	45.9	45.9	39.3	39.3	39.3	39.3
22.5°	65.5	59.0	59.0	52.4	45.9	45.9	39.3	39.3	32.8	32.8	26.2
25°	65.5	59.0	59.0	52.4	45.9	45.9	39.3	39.3	32.8	26.2	26.2
27.5°	65.5	59.0	59.0	52.4	45.9	39.3	39.3	32.8	26.2	19.7	19.7
30°	65.5	59.0	59.0	52.4	45.9	39.3	32.8	26.2	19.7	19.7	13.1
32.5°	65.5	59.0	52.4	45.9	39.3	32.8	32.8	26.2	19.7	13.1	13.1
35°	65.5	59.0	52.4	45.9	39.3	32.8	32.8	26.2	19.7	13.1	13.1
37.5°	65.5	59.0	52.4	45.9	39.3	32.8	26.2	19.7	13.1	13.1	6.6
40°	65.5	59.0	52.4	45.9	39.3	32.8	26.2	19.7	13.1	13.1	6.6
42.5°	65.5	59.0	52.4	45.9	39.3	32.8	26.2	19.7	13.1	13.1	6.6
45°	72.1	65.5	59.0	45.9	39.3	32.8	32.8	26.2	19.7	13.1	13.1
47.5°	72.1	65.5	59.0	45.9	39.3	32.8	32.8	26.2	19.7	13.1	13.1
50°	78.6	72.1	65.5	52.4	45.9	39.3	32.8	19.7	13.1	13.1	6.6
52.5°	85.2	78.6	72.1	65.5	59.0	45.9	32.8	19.7	6.6	6.6	6.6
55°	91.7	85.2	85.2	78.6	72.1	52.4	39.3	19.7	0.0	0.0	0.0
57.5°	98.3	91.7	91.7	85.2	78.6	59.0	39.3	19.7	0.0	0.0	0.0
60°	111.4	104.8	98.3	85.2	78.6	59.0	39.3	19.7	0.0	0.0	0.0
62.5°	131.0	117.9	98.3	85.2	65.5	52.4	32.8	19.7	0.0	0.0	0.0
65°	144.1	124.5	104.8	78.6	59.0	45.9	32.8	13.1	0.0	0.0	0.0
67.5°	150.7	124.5	104.8	78.6	52.4	39.3	26.2	13.1	0.0	0.0	0.0
70°	144.1	117.9	98.3	72.1	45.9	32.8	26.2	13.1	0.0	0.0	0.0
72.5°	131.0	111.4	85.2	65.5	39.3	32.8	19.7	13.1	0.0	0.0	0.0
75°	117.9	98.3	72.1	52.4	26.2	19.7	13.1	6.6	0.0	0.0	0.0
77.5°	104.8	85.2	59.0	39.3	13.1	13.1	6.6	6.6	0.0	0.0	0.0
80°	78.6	59.0	39.3	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.7	13.1	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
5°	39.3	39.3	39.3	39.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8
7.5°	39.3	39.3	39.3	39.3	32.8	32.8	32.8	32.8	26.2	26.2	26.2
10°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	26.2	26.2	26.2
12.5°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	26.2	26.2	26.2
15°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	26.2	26.2	19.7	19.7
17.5°	32.8	32.8	32.8	32.8	26.2	26.2	26.2	19.7	19.7	13.1	13.1
20°	32.8	32.8	32.8	26.2	26.2	19.7	19.7	13.1	13.1	6.6	6.6
22.5°	26.2	19.7	19.7	13.1	13.1	6.6	6.6	6.6	0.0	0.0	0.0
25°	19.7	13.1	13.1	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	39.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
5°	32.8	32.8	32.8	32.8	26.2	26.2	26.2	26.2	26.2	26.2	26.2
7.5°	26.2	26.2	26.2	26.2	26.2	26.2	19.7	19.7	19.7	19.7	19.7
10°	26.2	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	13.1	13.1
12.5°	26.2	19.7	19.7	19.7	13.1	13.1	13.1	13.1	13.1	6.6	6.6
15°	19.7	13.1	13.1	13.1	6.6	6.6	6.6	6.6	6.6	0.0	0.0
17.5°	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	39.3	39.3
5°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
7.5°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
10°	13.1	13.1	13.1	13.1	13.1	13.1	6.6	6.6	6.6	6.6	6.6
12.5°	6.6	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	39.3	39.3	39.3	39.3	39.3	45.9	45.9	52.4	52.4	59.0	59.0
5°	26.2	26.2	32.8	32.8	32.8	32.8	39.3	39.3	39.3	45.9	45.9
7.5°	19.7	19.7	19.7	19.7	19.7	26.2	26.2	32.8	32.8	39.3	39.3
10°	6.6	6.6	13.1	13.1	13.1	13.1	19.7	19.7	19.7	26.2	32.8
12.5°	0.0	0.0	6.6	6.6	6.6	6.6	13.1	13.1	13.1	19.7	26.2
15°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	13.1	19.7
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	13.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	65.5	65.5	72.1	72.1	78.6	78.6	85.2	85.2	85.2	85.2	85.2
5°	52.4	52.4	59.0	65.5	65.5	72.1	78.6	78.6	78.6	78.6	78.6
7.5°	45.9	45.9	52.4	59.0	59.0	65.5	72.1	72.1	78.6	78.6	78.6
10°	32.8	39.3	45.9	52.4	52.4	59.0	65.5	65.5	72.1	72.1	72.1
12.5°	26.2	32.8	39.3	45.9	45.9	52.4	59.0	59.0	65.5	65.5	72.1
15°	19.7	26.2	32.8	39.3	39.3	45.9	52.4	52.4	59.0	65.5	72.1
17.5°	13.1	19.7	26.2	32.8	32.8	39.3	45.9	52.4	59.0	59.0	65.5
20°	13.1	13.1	19.7	26.2	26.2	32.8	39.3	45.9	52.4	52.4	59.0
22.5°	6.6	6.6	13.1	19.7	19.7	26.2	32.8	39.3	45.9	45.9	52.4
25°	0.0	0.0	6.6	13.1	13.1	19.7	26.2	26.2	32.8	32.8	39.3
27.5°	0.0	0.0	6.6	6.6	13.1	13.1	19.7	19.7	26.2	26.2	32.8
30°	0.0	0.0	6.6	6.6	13.1	13.1	19.7	19.7	26.2	26.2	26.2
32.5°	0.0	0.0	0.0	6.6	6.6	6.6	13.1	13.1	19.7	19.7	26.2
35°	0.0	0.0	0.0	6.6	6.6	6.6	13.1	13.1	19.7	19.7	19.7
37.5°	0.0	0.0	0.0	6.6	6.6	6.6	13.1	13.1	13.1	13.1	19.7
40°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
45°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
50°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
55°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	13.1	13.1	13.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	13.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6
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: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	85.2	85.2
5°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	78.6
7.5°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	78.6
10°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
12.5°	72.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
15°	72.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
17.5°	65.5	72.1	72.1	72.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6
20°	59.0	65.5	65.5	65.5	72.1	72.1	72.1	72.1	78.6	78.6	78.6
22.5°	52.4	59.0	59.0	59.0	65.5	65.5	65.5	65.5	72.1	72.1	72.1
25°	45.9	45.9	52.4	52.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0
27.5°	32.8	39.3	39.3	39.3	45.9	45.9	45.9	45.9	52.4	52.4	52.4
30°	32.8	32.8	32.8	32.8	39.3	39.3	39.3	39.3	45.9	45.9	45.9
32.5°	26.2	32.8	32.8	32.8	39.3	39.3	39.3	39.3	45.9	45.9	45.9
35°	26.2	26.2	26.2	26.2	32.8	32.8	32.8	32.8	39.3	39.3	39.3
37.5°	19.7	26.2	26.2	26.2	32.8	32.8	32.8	32.8	39.3	39.3	39.3
40°	19.7	19.7	19.7	19.7	26.2	26.2	26.2	26.2	32.8	32.8	32.8
42.5°	19.7	19.7	19.7	19.7	26.2	26.2	26.2	26.2	32.8	32.8	32.8
45°	19.7	19.7	19.7	19.7	26.2	26.2	26.2	26.2	32.8	32.8	32.8
47.5°	19.7	19.7	19.7	19.7	26.2	26.2	26.2	26.2	32.8	32.8	32.8
50°	19.7	19.7	19.7	19.7	26.2	26.2	26.2	26.2	32.8	32.8	32.8
52.5°	13.1	13.1	13.1	13.1	19.7	19.7	19.7	19.7	26.2	26.2	26.2
55°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	19.7	19.7	19.7
57.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	19.7	19.7	19.7
60°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
62.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
65°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	6.6	6.6
67.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
70°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
72.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
75°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
77.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
80°	19.7	19.7	19.7	19.7	19.7	13.1	13.1	13.1	13.1	13.1	13.1
82.5°	13.1	19.7	19.7	19.7	19.7	13.1	13.1	13.1	13.1	13.1	13.1
85°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
87.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	85.2	85.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	85.2	85.2
5°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	85.2	85.2
7.5°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	85.2	85.2
10°	78.6	78.6	78.6	78.6	72.1	72.1	78.6	78.6	78.6	85.2	85.2
12.5°	78.6	78.6	78.6	78.6	72.1	72.1	78.6	78.6	85.2	85.2	91.7
15°	78.6	78.6	72.1	72.1	72.1	72.1	78.6	78.6	85.2	85.2	91.7
17.5°	78.6	78.6	72.1	72.1	72.1	72.1	78.6	78.6	85.2	85.2	91.7
20°	78.6	78.6	72.1	72.1	72.1	72.1	72.1	72.1	78.6	85.2	85.2
22.5°	72.1	72.1	72.1	72.1	65.5	65.5	72.1	72.1	78.6	85.2	85.2
25°	59.0	65.5	65.5	65.5	65.5	65.5	72.1	72.1	78.6	85.2	85.2
27.5°	52.4	59.0	59.0	59.0	59.0	65.5	65.5	72.1	78.6	85.2	85.2
30°	45.9	52.4	52.4	52.4	59.0	65.5	65.5	72.1	78.6	85.2	85.2
32.5°	45.9	52.4	52.4	52.4	59.0	59.0	65.5	65.5	72.1	78.6	85.2
35°	45.9	45.9	52.4	52.4	52.4	59.0	59.0	65.5	72.1	78.6	85.2
37.5°	45.9	45.9	52.4	52.4	52.4	59.0	59.0	65.5	72.1	78.6	85.2
40°	39.3	45.9	45.9	52.4	52.4	59.0	59.0	65.5	72.1	85.2	91.7
42.5°	39.3	39.3	45.9	45.9	52.4	59.0	59.0	65.5	72.1	85.2	91.7
45°	39.3	45.9	45.9	52.4	59.0	65.5	65.5	72.1	78.6	85.2	91.7
47.5°	39.3	45.9	45.9	52.4	65.5	65.5	72.1	72.1	78.6	85.2	91.7
50°	39.3	45.9	45.9	52.4	72.1	72.1	72.1	72.1	78.6	85.2	91.7
52.5°	32.8	39.3	39.3	45.9	59.0	65.5	72.1	78.6	85.2	91.7	98.3
55°	26.2	32.8	32.8	39.3	52.4	59.0	72.1	85.2	91.7	98.3	104.8
57.5°	26.2	26.2	32.8	32.8	45.9	59.0	78.6	91.7	98.3	104.8	111.4
60°	19.7	19.7	26.2	26.2	39.3	52.4	72.1	91.7	98.3	111.4	117.9
62.5°	13.1	19.7	19.7	26.2	32.8	52.4	72.1	91.7	104.8	117.9	124.5
65°	13.1	13.1	19.7	19.7	32.8	45.9	65.5	78.6	98.3	117.9	137.6
67.5°	19.7	19.7	26.2	26.2	32.8	45.9	65.5	78.6	98.3	124.5	144.1
70°	19.7	19.7	26.2	26.2	39.3	52.4	65.5	78.6	98.3	124.5	144.1
72.5°	19.7	19.7	26.2	26.2	39.3	45.9	59.0	72.1	91.7	111.4	131.0
75°	13.1	19.7	19.7	19.7	32.8	39.3	52.4	65.5	85.2	104.8	124.5
77.5°	13.1	13.1	13.1	13.1	26.2	32.8	45.9	52.4	72.1	91.7	111.4
80°	13.1	13.1	13.1	13.1	19.7	26.2	39.3	45.9	65.5	85.2	104.8
82.5°	13.1	13.1	6.6	6.6	13.1	19.7	26.2	32.8	52.4	65.5	85.2
85°	13.1	13.1	6.6	6.6	6.6	13.1	13.1	19.7	26.2	32.8	39.3
87.5°	13.1	13.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
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: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	85.2	85.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
5°	85.2	91.7	91.7	98.3	98.3	98.3	104.8	104.8	104.8	104.8	104.8
7.5°	85.2	91.7	91.7	98.3	98.3	98.3	104.8	104.8	104.8	111.4	111.4
10°	85.2	91.7	91.7	98.3	98.3	104.8	111.4	111.4	117.9	117.9	117.9
12.5°	91.7	98.3	98.3	104.8	104.8	111.4	117.9	117.9	124.5	131.0	131.0
15°	91.7	98.3	104.8	104.8	111.4	117.9	124.5	124.5	131.0	137.6	144.1
17.5°	91.7	98.3	104.8	104.8	111.4	117.9	131.0	137.6	144.1	157.3	163.8
20°	91.7	98.3	104.8	104.8	111.4	124.5	131.0	144.1	150.7	163.8	176.9
22.5°	91.7	98.3	104.8	111.4	117.9	131.0	144.1	150.7	163.8	183.5	196.6
25°	91.7	98.3	104.8	111.4	117.9	131.0	144.1	157.3	170.4	196.6	222.8
27.5°	91.7	98.3	111.4	117.9	124.5	137.6	157.3	170.4	183.5	229.3	275.2
30°	91.7	98.3	111.4	117.9	124.5	144.1	163.8	176.9	196.6	275.2	347.3
32.5°	91.7	104.8	111.4	124.5	131.0	150.7	176.9	196.6	216.2	327.6	432.4
35°	91.7	104.8	111.4	124.5	131.0	157.3	183.5	209.7	235.9	399.7	563.5
37.5°	91.7	104.8	111.4	124.5	131.0	170.4	209.7	249.0	288.3	458.7	629.0
40°	98.3	111.4	117.9	131.0	137.6	176.9	216.2	255.5	294.8	465.2	635.6
42.5°	98.3	111.4	117.9	131.0	137.6	170.4	209.7	242.4	275.2	465.2	655.2
45°	98.3	111.4	124.5	131.0	144.1	176.9	209.7	235.9	268.6	511.1	746.9
47.5°	98.3	111.4	124.5	131.0	144.1	176.9	209.7	242.4	275.2	674.9	1068.0
50°	98.3	111.4	124.5	131.0	144.1	183.5	222.8	262.1	301.4	1009.0	1716.7
52.5°	104.8	111.4	124.5	131.0	137.6	183.5	229.3	275.2	321.1	1310.4	2293.3
55°	111.4	117.9	124.5	131.0	137.6	196.6	255.5	314.5	373.5	1408.7	2437.4
57.5°	117.9	124.5	131.0	131.0	137.6	209.7	288.3	360.4	432.4	1402.2	2365.3
60°	124.5	131.0	137.6	144.1	150.7	222.8	301.4	373.5	445.5	1271.1	2096.7
62.5°	137.6	150.7	163.8	170.4	183.5	255.5	321.1	393.1	458.7	1041.8	1618.4
65°	157.3	170.4	176.9	190.0	196.6	262.1	334.2	399.7	465.2	864.9	1258.0
67.5°	163.8	176.9	183.5	196.6	203.1	268.6	334.2	399.7	465.2	733.8	995.9
70°	163.8	176.9	190.0	196.6	209.7	275.2	334.2	399.7	458.7	635.6	812.5
72.5°	150.7	170.4	183.5	203.1	216.2	275.2	327.6	386.6	439.0	563.5	688.0
75°	144.1	170.4	190.0	216.2	235.9	275.2	321.1	360.4	399.7	491.4	583.1
77.5°	131.0	163.8	196.6	229.3	262.1	288.3	308.0	334.2	353.8	412.8	471.8
80°	124.5	157.3	190.0	222.8	255.5	268.6	275.2	288.3	294.8	301.4	308.0
82.5°	98.3	124.5	150.7	170.4	196.6	183.5	176.9	163.8	150.7	144.1	137.6
85°	45.9	52.4	52.4	59.0	59.0	59.0	52.4	52.4	45.9	39.3	32.8
87.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
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: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	91.7	91.7	91.7	91.7	85.2	85.2	85.2	85.2	78.6	78.6	78.6
5°	104.8	104.8	104.8	104.8	98.3	98.3	98.3	98.3	91.7	91.7	91.7
7.5°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
10°	124.5	124.5	124.5	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
12.5°	137.6	137.6	144.1	144.1	150.7	150.7	157.3	157.3	163.8	163.8	163.8
15°	150.7	157.3	163.8	170.4	170.4	176.9	183.5	190.0	196.6	203.1	209.7
17.5°	176.9	183.5	196.6	209.7	222.8	235.9	255.5	281.7	301.4	321.1	347.3
20°	196.6	216.2	255.5	301.4	340.7	380.0	478.3	576.6	674.9	773.2	871.4
22.5°	235.9	275.2	406.2	543.8	674.9	805.9	1113.9	1421.8	1723.2	2031.2	2306.4
25°	314.5	399.7	701.1	1002.5	1297.3	1598.7	2149.1	2706.0	3256.4	3806.8	4317.9
27.5°	432.4	589.7	1081.1	1579.1	2070.5	2561.9	3361.3	4167.2	4966.6	5772.5	6486.7
30°	602.8	858.3	1592.2	2332.6	3066.4	3800.3	4809.3	5824.9	6833.9	7843.0	8498.2
32.5°	819.0	1199.0	2129.5	3059.9	3990.3	4920.7	6034.6	7148.4	8255.7	9369.6	10064.1
35°	1048.3	1533.2	2653.6	3780.6	4901.0	6028.0	7200.8	8373.7	9546.5	10719.4	11571.1
37.5°	1179.4	1729.8	3059.9	4390.0	5713.5	7043.6	8327.8	9618.6	10902.8	12187.1	13222.3
40°	1303.9	1965.7	3498.9	5032.1	6565.3	8098.5	9598.9	11099.4	12599.8	14100.3	15430.4
42.5°	1487.3	2319.5	4108.2	5897.0	7679.2	9467.9	11440.1	13418.9	15391.1	17363.3	19407.6
45°	1867.4	2987.8	5307.3	7626.7	9939.7	12259.1	15056.9	17861.2	20659.0	23463.3	26084.2
47.5°	2784.7	4494.8	7659.5	10824.2	13988.9	17153.6	20377.3	23600.9	26824.6	30048.3	33167.1
50°	4311.3	6899.4	10857.0	14814.5	18765.4	22723.0	25940.1	29157.2	32367.8	35584.9	38684.1
52.5°	5746.3	9199.3	13451.6	17710.5	21962.9	26221.8	29072.0	31922.2	34772.4	37622.6	40623.5
55°	6237.7	10031.4	14336.2	18647.5	22952.3	27263.6	30009.0	32760.9	35506.3	38251.6	41363.9
57.5°	5805.2	9245.1	13582.7	17920.2	22251.2	26588.7	29655.2	32728.1	35794.5	38867.5	42202.6
60°	4861.7	7620.2	12173.9	16734.3	21288.0	25841.8	29301.3	32760.9	36220.4	39680.0	43008.5
62.5°	3852.7	6080.4	10902.8	15725.2	20547.6	25370.0	28888.6	32413.6	35932.1	39450.7	42006.0
65°	2955.0	4652.0	9395.8	14146.2	18889.9	23640.3	26523.2	29412.7	32295.7	35185.2	36954.3
67.5°	2195.0	3394.0	7541.6	11695.6	15843.2	19990.7	22113.6	24243.1	26366.0	28495.4	29871.4
70°	1618.4	2417.8	5241.7	8065.7	10883.2	13707.2	15653.2	17599.1	19538.6	21484.6	22913.0
72.5°	1120.4	1546.3	3236.8	4933.8	6624.3	8314.7	10286.9	12259.1	14224.8	16197.0	17821.9
75°	766.6	950.1	1742.9	2535.7	3328.5	4121.3	5615.2	7109.1	8603.0	10096.9	10955.2
77.5°	570.0	668.3	904.2	1146.6	1382.5	1618.4	1906.7	2195.0	2483.3	2771.6	3145.0
80°	314.5	314.5	347.3	373.5	406.2	432.4	511.1	596.2	674.9	760.1	864.9
82.5°	144.1	150.7	163.8	176.9	183.5	196.6	209.7	222.8	235.9	249.0	249.0
85°	39.3	45.9	45.9	39.3	39.3	32.8	32.8	39.3	39.3	39.3	39.3
87.5°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	78.6	72.1	72.1	72.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5
5°	91.7	91.7	91.7	91.7	85.2	85.2	85.2	85.2	85.2	78.6	78.6
7.5°	111.4	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	98.3	98.3
10°	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	124.5	124.5
12.5°	163.8	163.8	163.8	163.8	170.4	170.4	163.8	163.8	163.8	157.3	157.3
15°	216.2	222.8	229.3	229.3	235.9	235.9	235.9	229.3	229.3	222.8	216.2
17.5°	366.9	386.6	412.8	439.0	465.2	484.9	484.9	471.8	458.7	445.5	432.4
20°	976.3	1074.6	1179.4	1284.2	1395.6	1474.2	1421.8	1382.5	1343.2	1297.3	1258.0
22.5°	2588.1	2863.3	3145.0	3341.6	3538.2	3675.8	3564.4	3348.2	3131.9	2922.3	2706.0
25°	4829.0	5333.5	5844.5	6054.2	6270.4	6427.7	6355.6	6028.0	5700.4	5379.3	5051.7
27.5°	7200.8	7908.5	8622.7	8806.1	8989.6	9127.2	9101.0	8675.1	8249.2	7823.3	7397.4
30°	9153.4	9808.6	10463.8	10647.3	10830.7	10955.2	10817.6	10391.8	9965.9	9540.0	9114.1
32.5°	10765.2	11459.8	12160.8	12403.3	12645.7	12809.5	12645.7	12134.6	11623.6	11119.0	10608.0
35°	12422.9	13268.2	14119.9	14427.9	14735.8	14932.4	14657.2	14028.2	13399.2	12776.7	12147.7
37.5°	14257.5	15286.2	16321.5	16740.8	17166.7	17461.6	17251.9	16465.6	15672.8	14886.5	14093.7
40°	16767.0	18097.1	19433.8	20187.3	20934.2	21464.9	21091.5	20180.7	19263.4	18352.7	17435.3
42.5°	21458.4	23502.7	25546.9	26628.1	27702.6	28482.3	28063.0	26942.6	25822.1	24701.7	23581.3
45°	28705.1	31319.4	33940.3	35519.4	37105.0	38271.3	37786.4	36377.7	34962.4	33553.7	32145.0
47.5°	36286.0	39404.8	42523.6	43781.7	45046.2	46029.0	45911.1	44155.1	42399.1	40649.7	38893.7
50°	41789.8	44889.0	47988.2	49069.3	50156.9	50962.8	50661.4	48427.1	46186.3	43952.0	41711.2
52.5°	43624.4	46618.7	49619.6	50910.4	52201.2	53164.4	52797.4	50281.4	47765.4	45255.9	42739.9
55°	44476.2	47588.5	50700.8	52273.3	53852.3	55005.5	54474.8	51716.3	48951.3	46192.9	43427.8
57.5°	45537.6	48872.7	52207.8	53931.0	55654.2	56899.1	56191.5	53334.7	50478.0	47627.8	44771.0
60°	46337.0	49659.0	52987.5	54370.0	55759.0	56728.8	56047.3	53269.2	50484.5	47706.4	44928.3
62.5°	44567.9	47123.3	49678.6	50707.3	51736.0	52482.9	52096.4	49462.4	46828.4	44194.4	41560.5
65°	38729.9	40499.0	42274.7	42969.2	43657.2	44187.9	44069.9	41848.8	39627.6	37412.9	35191.7
67.5°	31253.9	32629.8	34012.4	34995.2	35984.6	36751.2	36666.0	34641.4	32616.7	30592.1	28567.5
70°	24347.9	25776.3	27204.6	28443.0	29687.9	30651.1	30526.6	28646.1	26759.1	24878.6	22991.6
72.5°	19453.4	21078.4	22703.3	23410.9	24118.6	24616.5	24249.6	22827.8	21399.4	19977.6	18549.2
75°	11813.6	12665.4	13523.7	13517.1	13517.1	13438.5	13071.6	12259.1	11446.7	10634.2	9821.7
77.5°	3518.5	3892.0	4265.5	4625.8	4992.8	5268.0	5195.9	4770.0	4337.5	3911.7	3479.2
80°	969.7	1068.0	1172.8	1218.7	1264.6	1323.5	1474.2	1369.4	1264.6	1166.3	1061.5
82.5°	249.0	249.0	249.0	242.4	235.9	222.8	203.1	190.0	176.9	163.8	150.7
85°	39.3	32.8	32.8	32.8	26.2	26.2	26.2	26.2	19.7	19.7	13.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	65.5	65.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	52.4
5°	78.6	78.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	65.5
7.5°	98.3	98.3	91.7	91.7	91.7	91.7	85.2	85.2	85.2	85.2	78.6
10°	124.5	117.9	117.9	111.4	111.4	111.4	104.8	104.8	104.8	98.3	98.3
12.5°	157.3	150.7	150.7	144.1	137.6	137.6	131.0	124.5	117.9	117.9	111.4
15°	209.7	203.1	196.6	190.0	183.5	170.4	163.8	150.7	144.1	137.6	131.0
17.5°	399.7	366.9	334.2	301.4	275.2	249.0	222.8	196.6	183.5	170.4	157.3
20°	1113.9	963.2	819.0	674.9	583.1	491.4	399.7	308.0	268.6	235.9	196.6
22.5°	2411.2	2109.8	1815.0	1513.6	1271.1	1035.2	792.8	550.4	458.7	373.5	281.7
25°	4481.7	3905.1	3335.1	2758.5	2299.8	1841.2	1382.5	923.9	753.5	583.1	412.8
27.5°	6650.5	5903.5	5156.6	4409.6	3682.3	2948.5	2214.6	1487.3	1192.5	904.2	609.4
30°	8321.3	7528.5	6742.2	5949.4	5032.1	4114.8	3190.9	2273.6	1808.4	1343.2	871.4
32.5°	9756.2	8897.9	8046.1	7187.7	6126.3	5064.8	4003.4	2941.9	2358.8	1775.6	1185.9
35°	11178.0	10201.7	9232.0	8255.7	7115.7	5975.6	4835.5	3695.4	2955.0	2214.6	1467.7
37.5°	12907.8	11715.3	10529.3	9343.4	8170.6	7004.3	5831.4	4658.6	3715.1	2778.1	1834.6
40°	15921.8	14401.7	12888.1	11368.0	9998.6	8635.8	7266.4	5897.0	4711.0	3525.1	2332.6
42.5°	21674.6	19767.9	17867.8	15961.1	14067.5	12173.9	10273.8	8380.2	6689.8	5005.9	3315.4
45°	29701.0	27257.1	24819.6	22375.7	20043.1	17717.1	15384.5	13051.9	10483.5	7915.0	5340.0
47.5°	36220.4	33540.6	30867.3	28187.5	25599.4	23017.8	20429.7	17841.6	14552.4	11269.7	7980.6
50°	39162.4	36607.0	34058.2	31502.9	28908.2	26307.0	23705.8	21111.1	17337.1	13569.6	9795.5
52.5°	40151.7	37557.1	34969.0	32374.3	29799.3	27224.3	24649.3	22074.3	18149.5	14231.3	10306.6
55°	40695.6	37956.8	35224.5	32485.7	29714.1	26936.0	24157.9	21386.3	17481.2	13582.7	9677.6
57.5°	41796.3	38815.1	35840.4	32859.2	29701.0	26542.9	23378.2	20220.0	16367.3	12514.7	8662.0
60°	41999.5	39064.1	36135.3	33206.4	29714.1	26221.8	22723.0	19230.6	15404.2	11584.3	7757.8
62.5°	39109.9	36659.4	34215.5	31765.0	28266.1	24767.2	21261.8	17763.0	14100.3	10437.6	6768.4
65°	33075.4	30959.0	28849.2	26732.9	23876.1	21025.9	18169.2	15312.4	12042.9	8779.9	5510.4
67.5°	26497.0	24426.5	22362.6	20292.1	18143.0	16000.4	13851.3	11702.2	9179.6	6657.0	4134.4
70°	21006.3	19014.4	17029.1	15037.2	13137.1	11230.4	9323.7	7423.6	5857.6	4298.2	2732.3
72.5°	16649.1	14742.4	12842.3	10935.6	9212.4	7489.1	5765.9	4042.7	3263.0	2489.8	1710.1
75°	8832.3	7843.0	6860.1	5870.8	4901.0	3924.8	2948.5	1978.8	1670.8	1362.9	1048.3
77.5°	3046.8	2614.3	2188.4	1756.0	1461.1	1166.3	871.4	576.6	543.8	517.6	484.9
80°	923.9	786.3	648.7	511.1	452.1	393.1	334.2	275.2	255.5	235.9	209.7
82.5°	144.1	131.0	124.5	111.4	104.8	104.8	98.3	91.7	78.6	72.1	59.0
85°	13.1	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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: P1067840

CATALOG NUMBER: NAV-SA5D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	59.0	59.0
2.5°	52.4	52.4
5°	65.5	65.5
7.5°	78.6	78.6
10°	91.7	91.7
12.5°	104.8	104.8
15°	124.5	117.9
17.5°	144.1	137.6
20°	157.3	144.1
22.5°	190.0	163.8
25°	242.4	203.1
27.5°	314.5	249.0
30°	406.2	314.5
32.5°	602.8	439.0
35°	727.3	530.7
37.5°	891.1	615.9
40°	1146.6	746.9
42.5°	1624.9	1015.6
45°	2771.6	1683.9
47.5°	4697.9	2869.9
50°	6021.5	3682.3
52.5°	6388.4	3905.1
55°	5779.0	3584.0
57.5°	4809.3	3046.8
60°	3937.9	2509.5
62.5°	3105.7	1985.3
65°	2240.8	1500.4
67.5°	1611.8	1153.2
70°	1172.8	904.2
72.5°	930.4	753.5
75°	740.4	629.0
77.5°	458.7	419.3
80°	190.0	176.9
82.5°	45.9	39.3
85°	0.0	0.0
87.5°	0.0	0.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0

REPORT NUMBER: P1067840

CATALOG NUMBER: NAV-SA5D-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

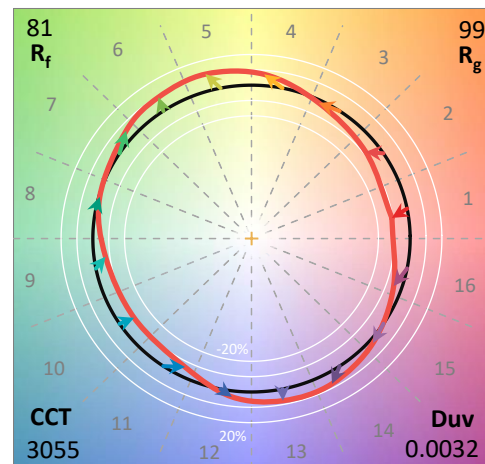
Test Information

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

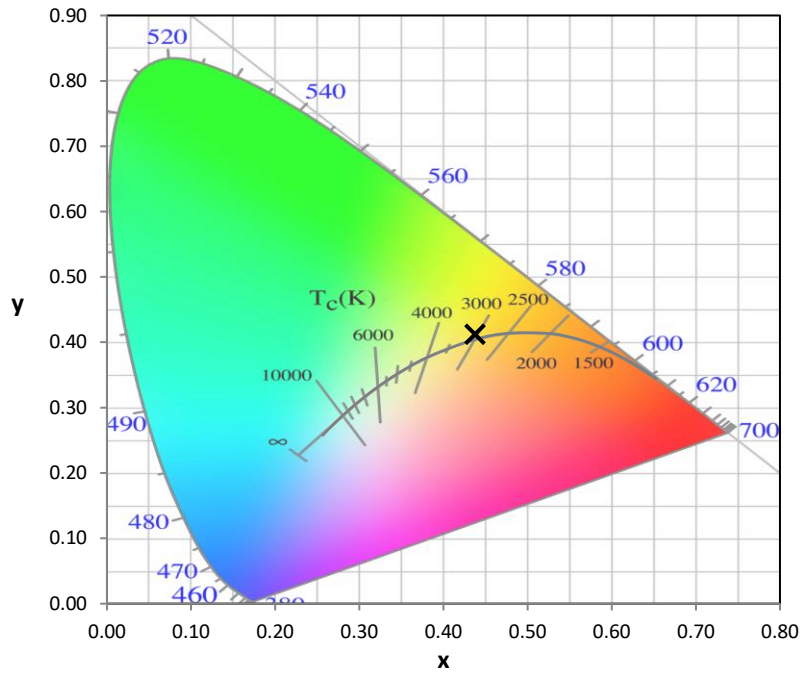
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

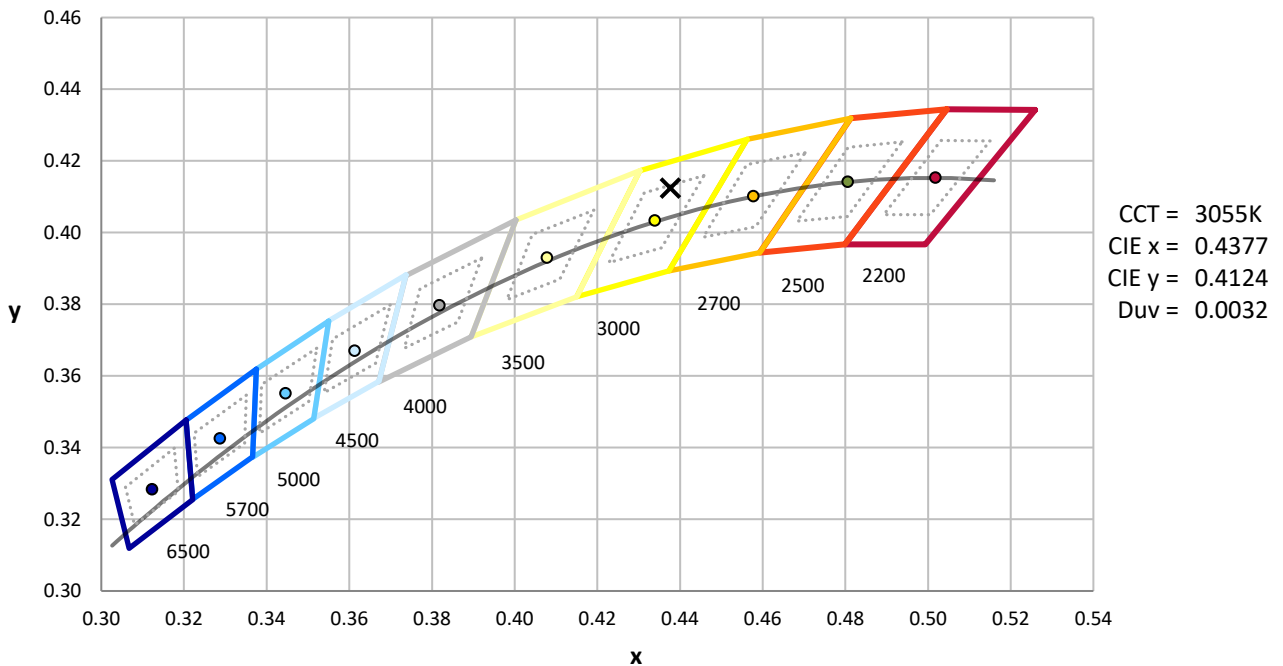
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



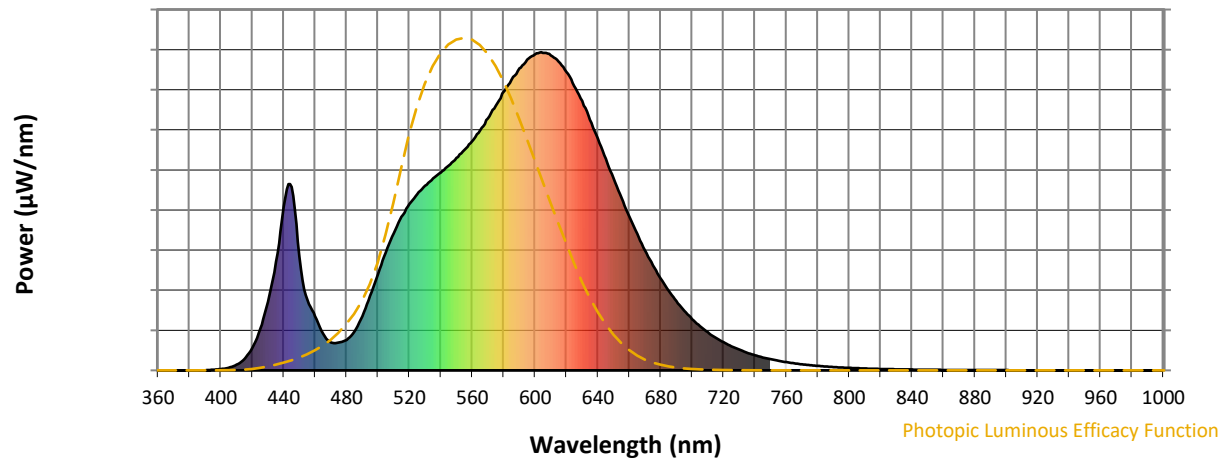
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

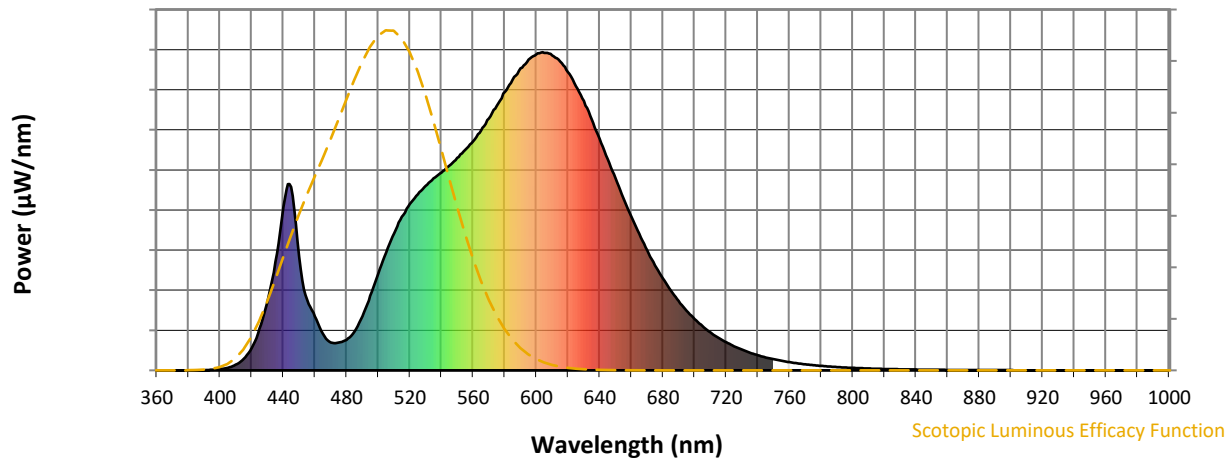


Photopic Lumens: NR

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



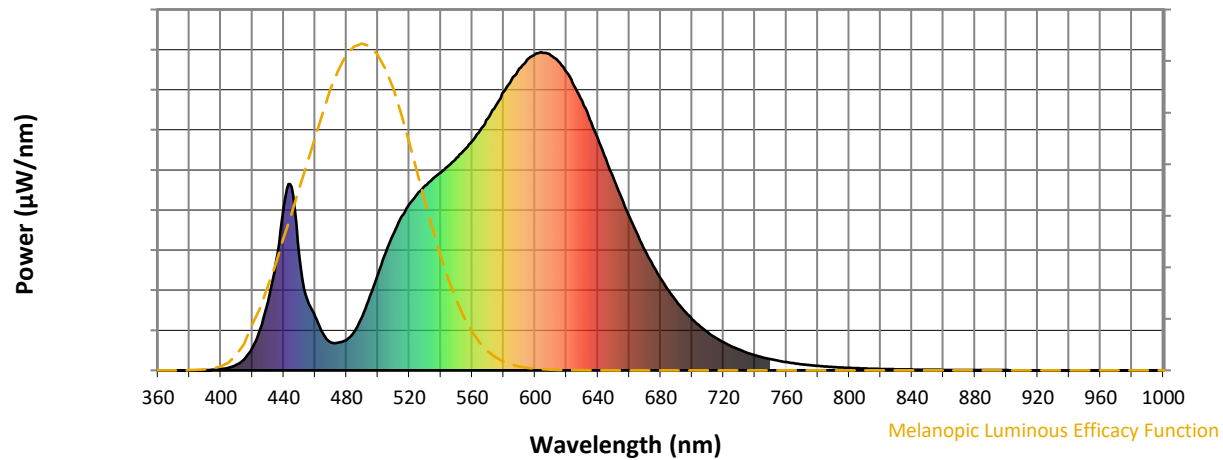
Scotopic Lumens: NR

S/P: 1.28

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

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

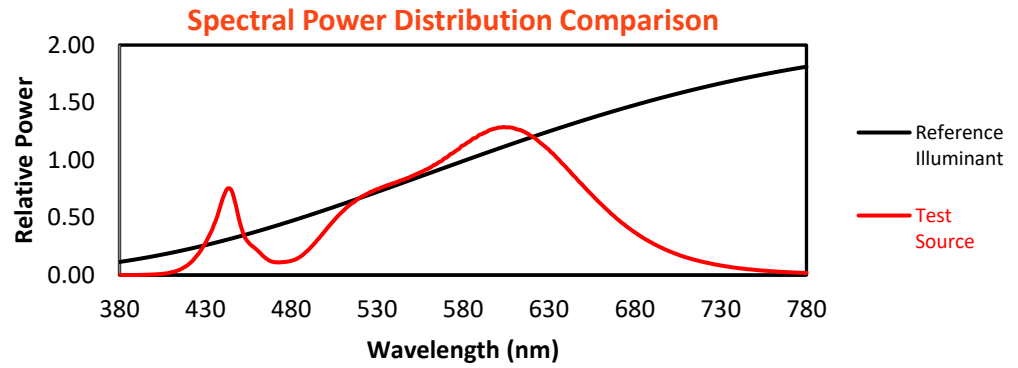
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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

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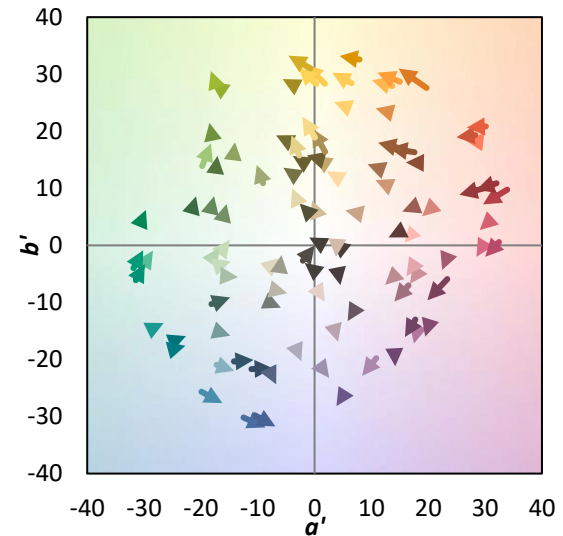
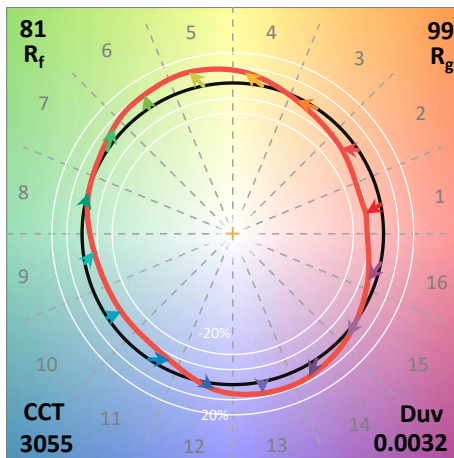
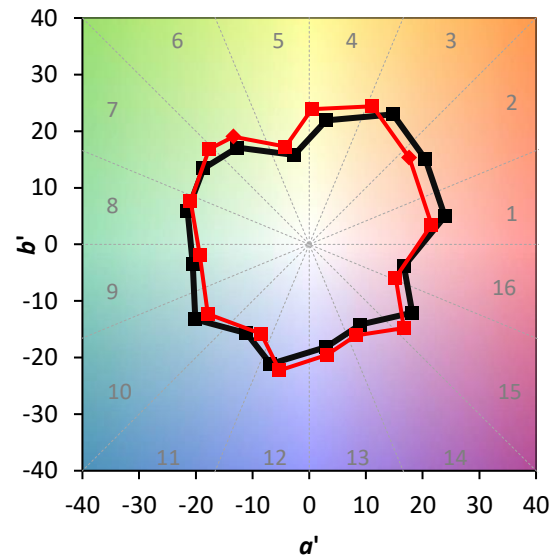
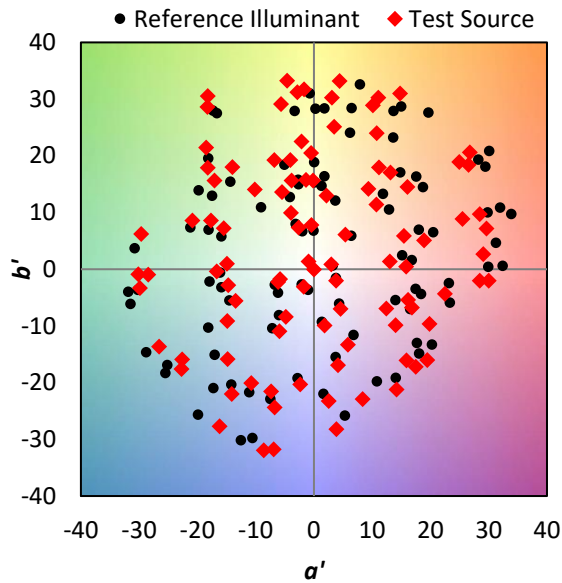
TM-30-18

Summary

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

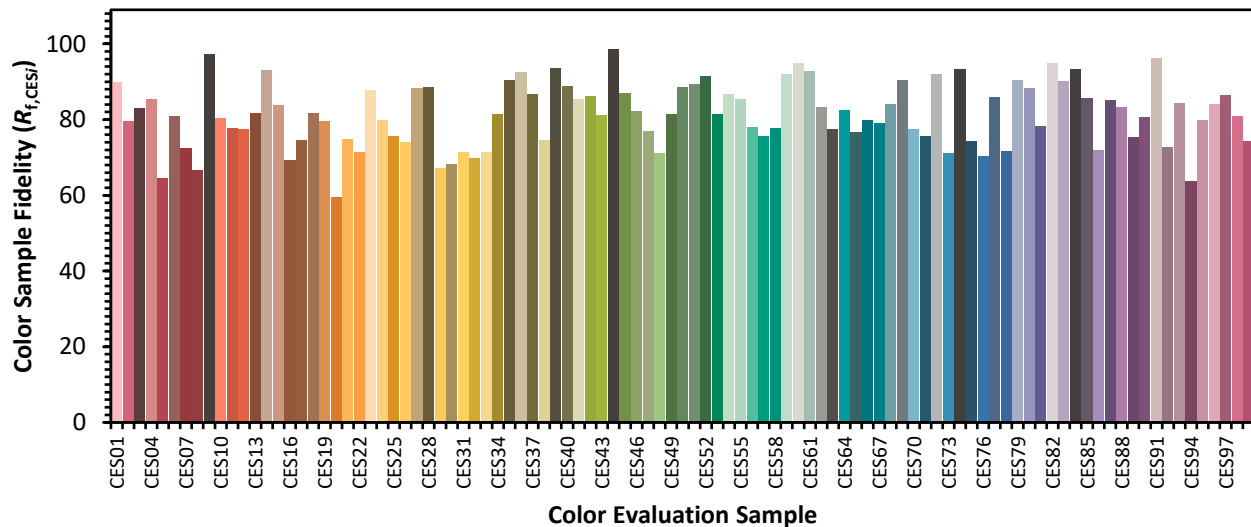


Color Vector Graphics

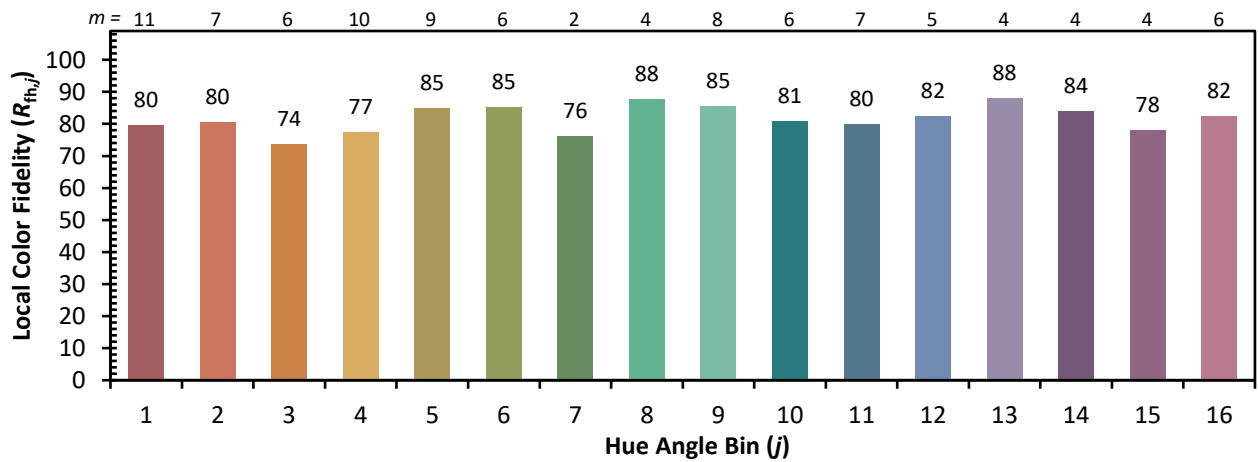
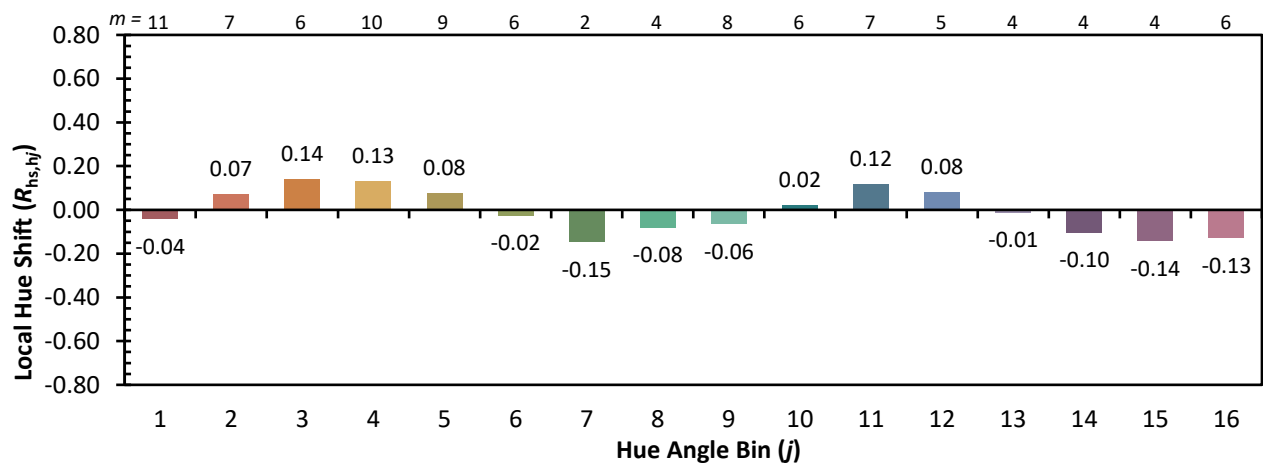
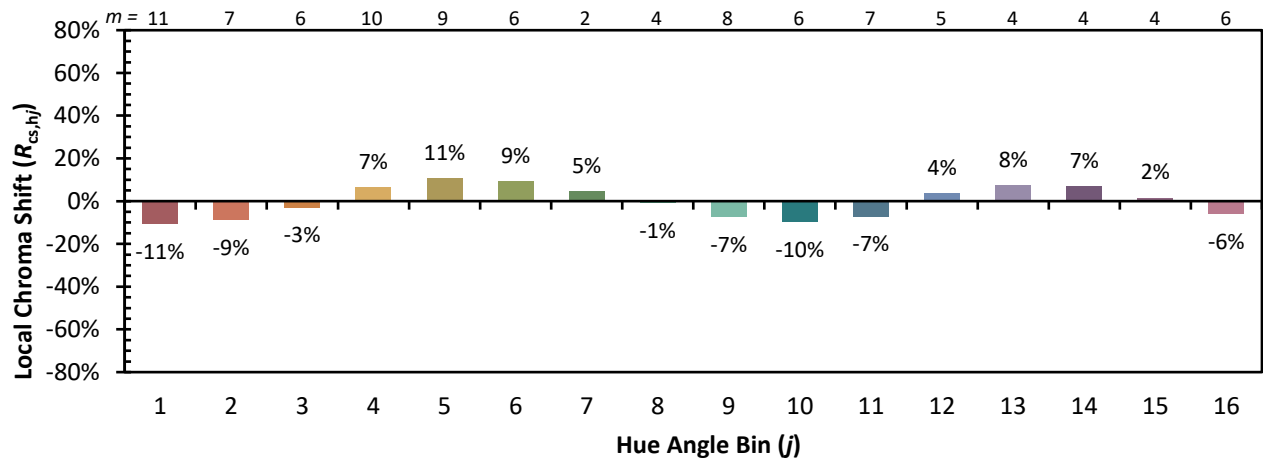


Individual Sample Fidelity Index ($R_{f,i}$)

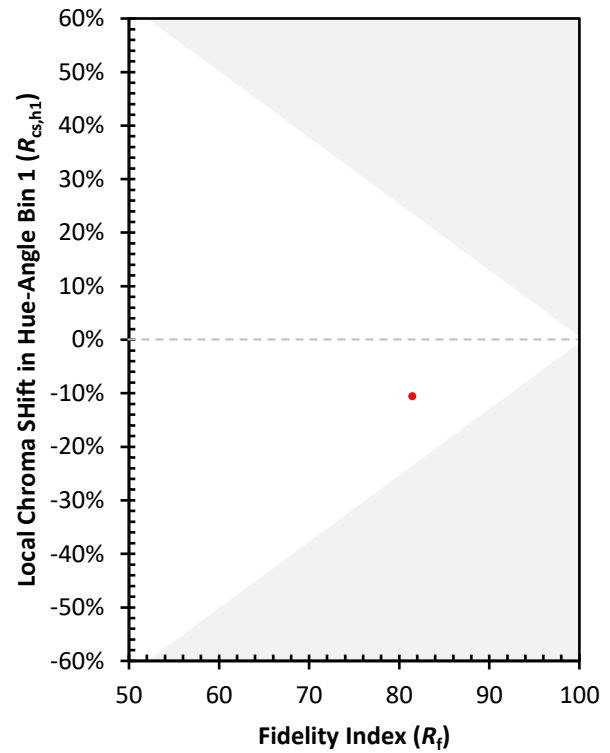
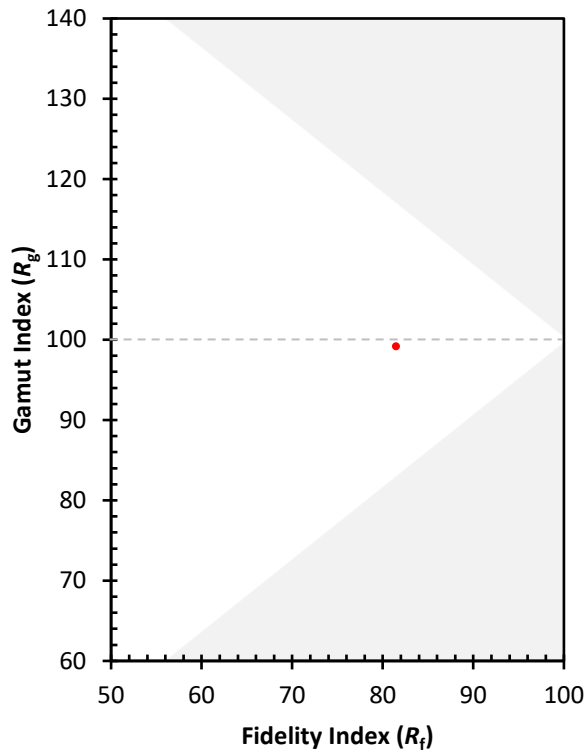
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)