

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: P1067860

Luminaire Tested: **NAV-SA4D-835-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067860
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-835-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18367.9 lumens
Efficiency: N/A
Efficacy: 83.9 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

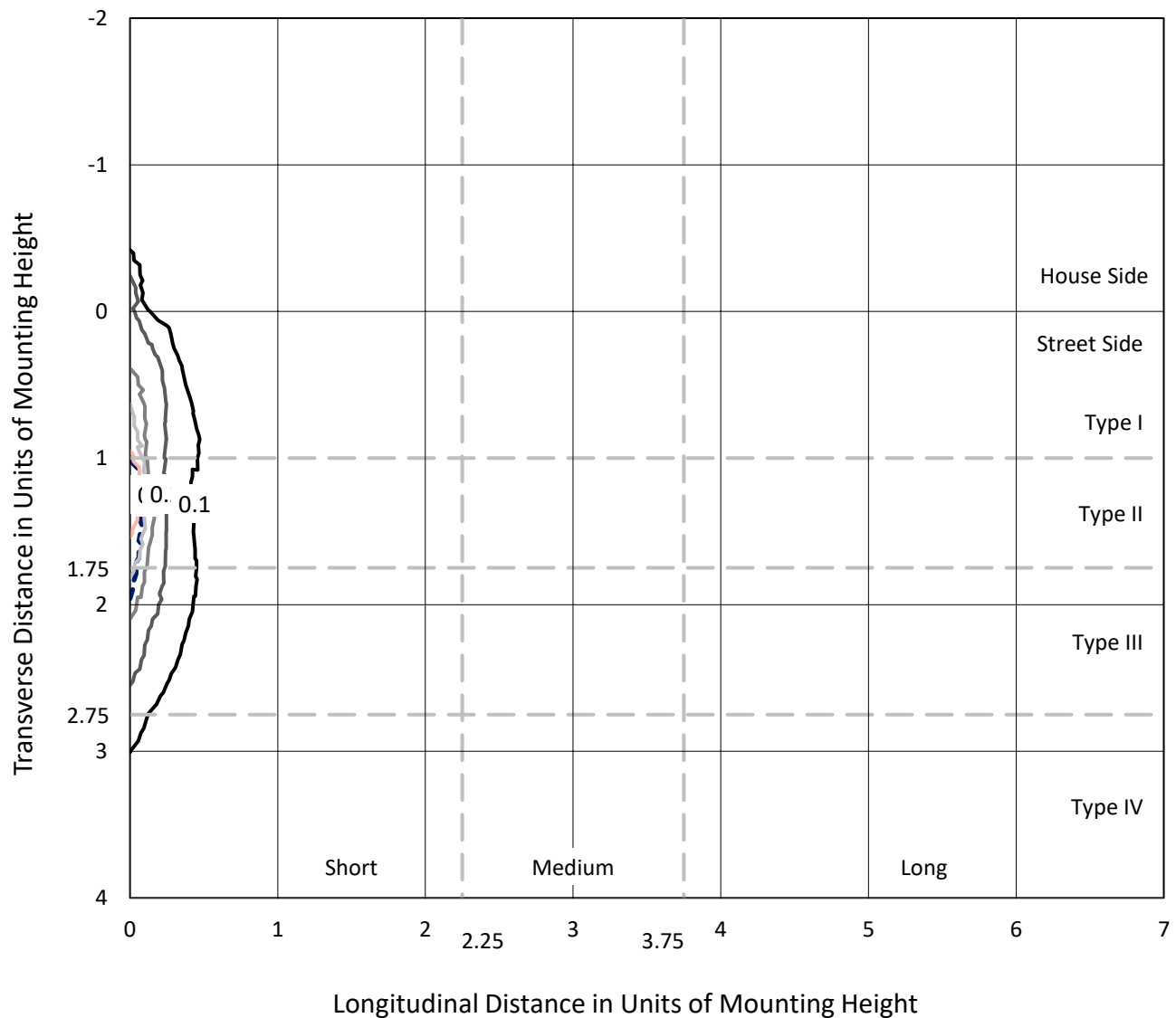


REPORT NUMBER: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

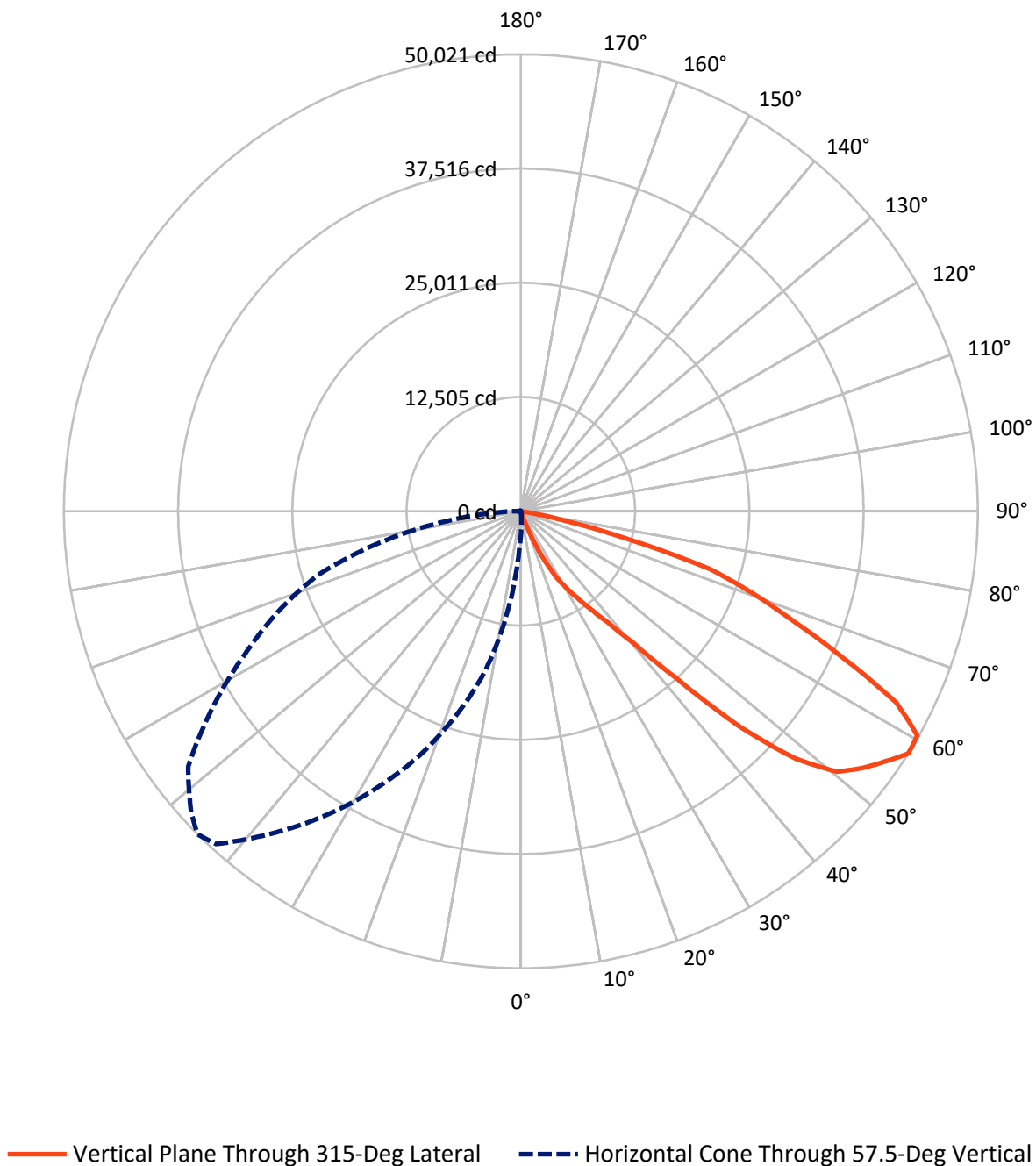


Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	109.3	0.0	109.3
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	18258.6	0.0	18258.6
	% Fixture	99.4	0.0	99.4
Total	Lumens	18367.9	0.0	18367.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.0
10°-20°	26.9	0.1
20°-30°	342.8	1.9
30°-40°	1155.4	6.3
40°-50°	3489.3	19.0
50°-60°	6156.3	33.5
60°-70°	5423.7	29.5
70°-80°	1726.5	9.4
80°-90°	41.6	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°	18367.9	100.0
0°-180°	18367.9	100.0



REPORT NUMBER: P1067860

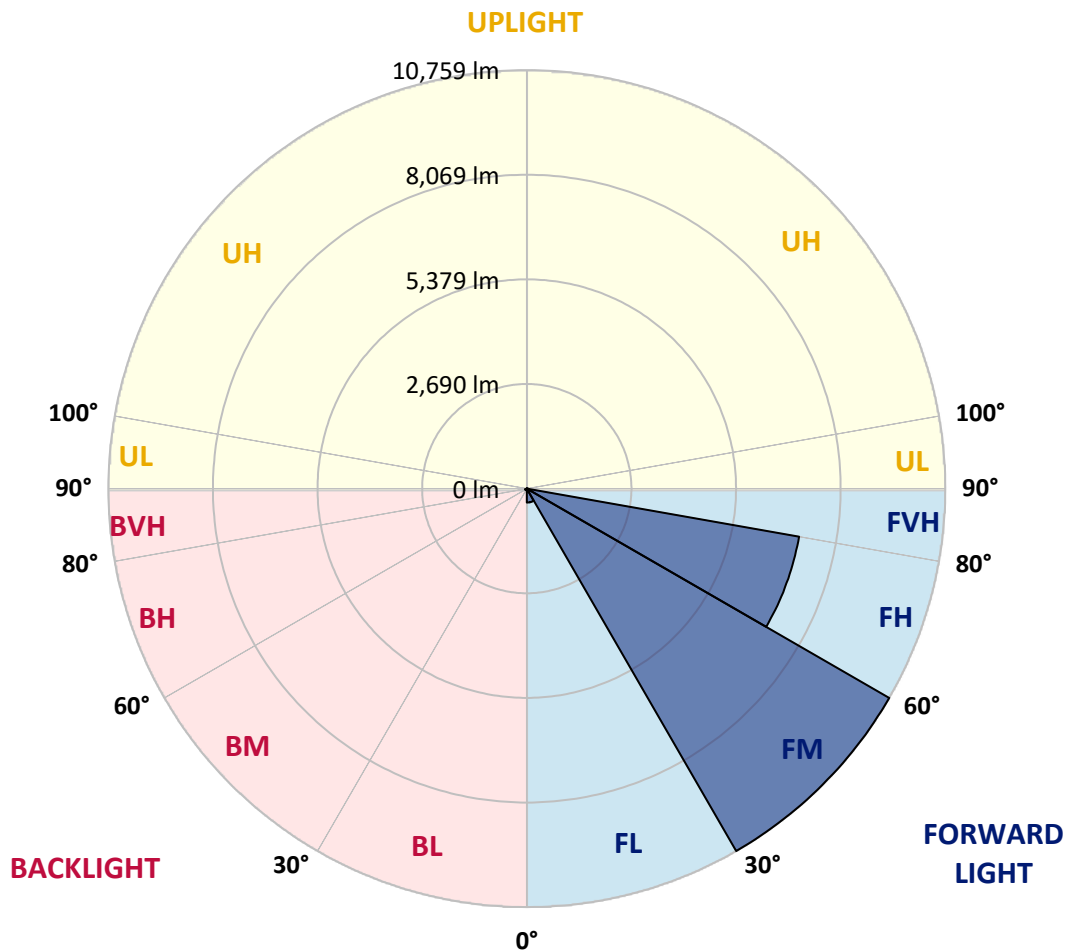
CATALOG NUMBER: NAV-SA4D-835-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.8	2.0			
FM	(30°-60°)	10758.7	58.6			
FH	(60°-80°)	7107.4	38.7			G3/7500
FVH	(80°-90°)	33.8	0.2			G1/100
BL	(0°-30°)	16.4	0.1	B0/110		
BM	(30°-60°)	42.3	0.2	B0/220		
BH	(60°-80°)	42.8	0.2	B0/110		G0/110
BVH	(80°-90°)	7.7	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



REPORT NUMBER: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	40.3
5°	57.6	57.6	57.6	51.8	51.8	51.8	46.1	46.1	46.1	46.1	46.1
7.5°	69.1	63.4	63.4	57.6	57.6	57.6	51.8	51.8	51.8	51.8	46.1
10°	80.6	74.9	74.9	69.1	69.1	63.4	63.4	57.6	57.6	51.8	51.8
12.5°	92.2	86.4	80.6	74.9	74.9	69.1	69.1	63.4	63.4	57.6	57.6
15°	103.7	97.9	92.2	86.4	80.6	80.6	74.9	69.1	63.4	63.4	57.6
17.5°	121.0	109.4	103.7	92.2	86.4	80.6	74.9	69.1	69.1	63.4	63.4
20°	126.7	115.2	109.4	97.9	92.2	86.4	80.6	74.9	69.1	69.1	63.4
22.5°	149.8	126.7	121.0	109.4	103.7	97.9	86.4	80.6	74.9	69.1	63.4
25°	184.3	149.8	132.5	115.2	109.4	97.9	92.2	80.6	74.9	69.1	63.4
27.5°	224.6	167.0	149.8	126.7	115.2	103.7	92.2	80.6	74.9	69.1	63.4
30°	276.5	195.8	167.0	138.2	126.7	115.2	97.9	86.4	80.6	74.9	63.4
32.5°	385.9	241.9	195.8	149.8	132.5	121.0	103.7	86.4	80.6	74.9	63.4
35°	466.6	293.8	236.2	172.8	149.8	132.5	109.4	86.4	80.6	74.9	63.4
37.5°	541.5	299.5	241.9	184.3	161.3	138.2	109.4	86.4	80.6	74.9	63.4
40°	662.4	311.0	241.9	172.8	155.5	132.5	115.2	92.2	86.4	74.9	69.1
42.5°	892.8	357.1	259.2	161.3	144.0	132.5	115.2	97.9	86.4	80.6	69.1
45°	1486.1	529.9	351.4	167.0	149.8	132.5	115.2	97.9	92.2	80.6	74.9
47.5°	2528.7	921.6	547.2	172.8	155.5	132.5	115.2	92.2	86.4	80.6	69.1
50°	3237.2	1180.8	691.2	201.6	172.8	149.8	121.0	92.2	86.4	80.6	74.9
52.5°	3438.8	1255.7	748.8	236.2	201.6	167.0	126.7	92.2	86.4	86.4	80.6
55°	3150.8	1221.2	748.8	276.5	230.4	190.1	144.0	97.9	92.2	92.2	86.4
57.5°	2678.5	1129.0	714.3	299.5	253.4	201.6	155.5	103.7	97.9	97.9	92.2
60°	2206.1	950.4	645.1	334.1	282.2	230.4	178.6	126.7	121.0	115.2	103.7
62.5°	1751.1	766.1	564.5	357.1	305.3	247.7	195.8	138.2	132.5	126.7	121.0
65°	1319.1	668.2	524.2	374.4	316.8	259.2	201.6	144.0	138.2	138.2	132.5
67.5°	1013.8	610.6	501.1	385.9	328.3	270.7	213.1	155.5	149.8	144.0	138.2
70°	800.7	564.5	472.3	380.2	328.3	276.5	218.9	167.0	155.5	149.8	138.2
72.5°	668.2	512.7	437.8	362.9	322.6	282.2	241.9	201.6	178.6	161.3	138.2
75°	558.7	460.8	397.5	328.3	299.5	276.5	247.7	218.9	190.1	161.3	132.5
77.5°	368.7	334.1	305.3	276.5	259.2	241.9	218.9	201.6	172.8	149.8	121.0
80°	155.5	144.0	149.8	149.8	149.8	149.8	144.0	144.0	126.7	109.4	86.4
82.5°	34.6	28.8	34.6	34.6	34.6	34.6	28.8	28.8	28.8	23.0	23.0
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
5°	46.1	46.1	46.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
7.5°	46.1	46.1	46.1	40.3	40.3	40.3	40.3	34.6	34.6	34.6	34.6
10°	46.1	46.1	46.1	40.3	40.3	40.3	40.3	34.6	34.6	34.6	34.6
12.5°	51.8	51.8	46.1	46.1	40.3	40.3	40.3	34.6	34.6	34.6	34.6
15°	51.8	51.8	46.1	46.1	40.3	40.3	40.3	34.6	34.6	34.6	34.6
17.5°	57.6	51.8	51.8	46.1	40.3	40.3	40.3	34.6	34.6	34.6	34.6
20°	57.6	51.8	51.8	46.1	40.3	40.3	40.3	34.6	34.6	34.6	34.6
22.5°	57.6	51.8	51.8	46.1	40.3	40.3	34.6	34.6	28.8	28.8	23.0
25°	57.6	51.8	51.8	46.1	40.3	40.3	34.6	34.6	28.8	23.0	23.0
27.5°	57.6	51.8	51.8	46.1	40.3	34.6	34.6	28.8	23.0	17.3	17.3
30°	57.6	51.8	51.8	46.1	40.3	34.6	28.8	23.0	17.3	17.3	11.5
32.5°	57.6	51.8	46.1	40.3	34.6	28.8	28.8	23.0	17.3	11.5	11.5
35°	57.6	51.8	46.1	40.3	34.6	28.8	28.8	23.0	17.3	11.5	11.5
37.5°	57.6	51.8	46.1	40.3	34.6	28.8	23.0	17.3	11.5	11.5	5.8
40°	57.6	51.8	46.1	40.3	34.6	28.8	23.0	17.3	11.5	11.5	5.8
42.5°	57.6	51.8	46.1	40.3	34.6	28.8	23.0	17.3	11.5	11.5	5.8
45°	63.4	57.6	51.8	40.3	34.6	28.8	28.8	23.0	17.3	11.5	11.5
47.5°	63.4	57.6	51.8	40.3	34.6	28.8	28.8	23.0	17.3	11.5	11.5
50°	69.1	63.4	57.6	46.1	40.3	34.6	28.8	17.3	11.5	11.5	5.8
52.5°	74.9	69.1	63.4	57.6	51.8	40.3	28.8	17.3	5.8	5.8	5.8
55°	80.6	74.9	74.9	69.1	63.4	46.1	34.6	17.3	0.0	0.0	0.0
57.5°	86.4	80.6	80.6	74.9	69.1	51.8	34.6	17.3	0.0	0.0	0.0
60°	97.9	92.2	86.4	74.9	69.1	51.8	34.6	17.3	0.0	0.0	0.0
62.5°	115.2	103.7	86.4	74.9	57.6	46.1	28.8	17.3	0.0	0.0	0.0
65°	126.7	109.4	92.2	69.1	51.8	40.3	28.8	11.5	0.0	0.0	0.0
67.5°	132.5	109.4	92.2	69.1	46.1	34.6	23.0	11.5	0.0	0.0	0.0
70°	126.7	103.7	86.4	63.4	40.3	28.8	23.0	11.5	0.0	0.0	0.0
72.5°	115.2	97.9	74.9	57.6	34.6	28.8	17.3	11.5	0.0	0.0	0.0
75°	103.7	86.4	63.4	46.1	23.0	17.3	11.5	5.8	0.0	0.0	0.0
77.5°	92.2	74.9	51.8	34.6	11.5	11.5	5.8	5.8	0.0	0.0	0.0
80°	69.1	51.8	34.6	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.3	11.5	11.5	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
5°	34.6	34.6	34.6	34.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
7.5°	34.6	34.6	34.6	34.6	28.8	28.8	28.8	28.8	23.0	23.0	23.0
10°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	23.0	23.0	23.0
12.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	23.0	23.0	23.0
15°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	23.0	23.0	17.3	17.3
17.5°	28.8	28.8	28.8	28.8	23.0	23.0	23.0	17.3	17.3	11.5	11.5
20°	28.8	28.8	28.8	23.0	23.0	17.3	17.3	11.5	11.5	5.8	5.8
22.5°	23.0	17.3	17.3	11.5	11.5	5.8	5.8	5.8	0.0	0.0	0.0
25°	17.3	11.5	11.5	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	11.5	5.8	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	11.5	5.8	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	34.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
5°	28.8	28.8	28.8	28.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0
7.5°	23.0	23.0	23.0	23.0	23.0	23.0	17.3	17.3	17.3	17.3	17.3
10°	23.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	11.5	11.5
12.5°	23.0	17.3	17.3	17.3	11.5	11.5	11.5	11.5	11.5	5.8	5.8
15°	17.3	11.5	11.5	11.5	5.8	5.8	5.8	5.8	5.8	0.0	0.0
17.5°	11.5	5.8	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	34.6	34.6
5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
7.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
10°	11.5	11.5	11.5	11.5	11.5	11.5	5.8	5.8	5.8	5.8	5.8
12.5°	5.8	5.8	5.8	5.8	5.8	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	34.6	34.6	34.6	34.6	34.6	40.3	40.3	46.1	46.1	51.8	51.8
5°	23.0	23.0	28.8	28.8	28.8	28.8	34.6	34.6	34.6	40.3	40.3
7.5°	17.3	17.3	17.3	17.3	17.3	23.0	23.0	28.8	28.8	34.6	34.6
10°	5.8	5.8	11.5	11.5	11.5	11.5	17.3	17.3	17.3	23.0	28.8
12.5°	0.0	0.0	5.8	5.8	5.8	5.8	11.5	11.5	11.5	17.3	23.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	11.5	17.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	11.5
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	57.6	57.6	63.4	63.4	69.1	69.1	74.9	74.9	74.9	74.9	74.9
5°	46.1	46.1	51.8	57.6	57.6	63.4	69.1	69.1	69.1	69.1	69.1
7.5°	40.3	40.3	46.1	51.8	51.8	57.6	63.4	63.4	69.1	69.1	69.1
10°	28.8	34.6	40.3	46.1	46.1	51.8	57.6	57.6	63.4	63.4	63.4
12.5°	23.0	28.8	34.6	40.3	40.3	46.1	51.8	51.8	57.6	57.6	63.4
15°	17.3	23.0	28.8	34.6	34.6	40.3	46.1	46.1	51.8	57.6	63.4
17.5°	11.5	17.3	23.0	28.8	28.8	34.6	40.3	46.1	51.8	51.8	57.6
20°	11.5	11.5	17.3	23.0	23.0	28.8	34.6	40.3	46.1	46.1	51.8
22.5°	5.8	5.8	11.5	17.3	17.3	23.0	28.8	34.6	40.3	40.3	46.1
25°	0.0	0.0	5.8	11.5	11.5	17.3	23.0	23.0	28.8	28.8	34.6
27.5°	0.0	0.0	5.8	5.8	11.5	11.5	17.3	17.3	23.0	23.0	28.8
30°	0.0	0.0	5.8	5.8	11.5	11.5	17.3	17.3	23.0	23.0	23.0
32.5°	0.0	0.0	0.0	5.8	5.8	5.8	11.5	11.5	17.3	17.3	23.0
35°	0.0	0.0	0.0	5.8	5.8	5.8	11.5	11.5	17.3	17.3	17.3
37.5°	0.0	0.0	0.0	5.8	5.8	5.8	11.5	11.5	11.5	11.5	17.3
40°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
45°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	11.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	5.8
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	74.9	74.9
5°	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	69.1	69.1
7.5°	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	69.1	69.1
10°	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
12.5°	63.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
15°	63.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
17.5°	57.6	63.4	63.4	63.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1
20°	51.8	57.6	57.6	57.6	63.4	63.4	63.4	63.4	69.1	69.1	69.1
22.5°	46.1	51.8	51.8	51.8	57.6	57.6	57.6	57.6	63.4	63.4	63.4
25°	40.3	40.3	46.1	46.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8
27.5°	28.8	34.6	34.6	34.6	40.3	40.3	40.3	40.3	46.1	46.1	46.1
30°	28.8	28.8	28.8	28.8	34.6	34.6	34.6	34.6	40.3	40.3	40.3
32.5°	23.0	28.8	28.8	28.8	34.6	34.6	34.6	34.6	40.3	40.3	40.3
35°	23.0	23.0	23.0	23.0	28.8	28.8	28.8	28.8	34.6	34.6	34.6
37.5°	17.3	23.0	23.0	23.0	28.8	28.8	28.8	28.8	34.6	34.6	34.6
40°	17.3	17.3	17.3	17.3	23.0	23.0	23.0	23.0	28.8	28.8	28.8
42.5°	17.3	17.3	17.3	17.3	23.0	23.0	23.0	23.0	28.8	28.8	28.8
45°	17.3	17.3	17.3	17.3	23.0	23.0	23.0	23.0	28.8	28.8	28.8
47.5°	17.3	17.3	17.3	17.3	23.0	23.0	23.0	23.0	28.8	28.8	28.8
50°	17.3	17.3	17.3	17.3	23.0	23.0	23.0	23.0	28.8	28.8	28.8
52.5°	11.5	11.5	11.5	11.5	17.3	17.3	17.3	17.3	23.0	23.0	23.0
55°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	17.3	17.3	17.3
57.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	17.3	17.3	17.3
60°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
62.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	5.8	5.8
67.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
70°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
72.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
75°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
77.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
80°	17.3	17.3	17.3	17.3	17.3	11.5	11.5	11.5	11.5	11.5	11.5
82.5°	11.5	17.3	17.3	17.3	17.3	11.5	11.5	11.5	11.5	11.5	11.5
85°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
87.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	74.9	74.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	74.9	74.9
5°	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	74.9	74.9
7.5°	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	74.9	74.9
10°	69.1	69.1	69.1	69.1	63.4	63.4	69.1	69.1	69.1	74.9	74.9
12.5°	69.1	69.1	69.1	69.1	63.4	63.4	69.1	69.1	74.9	74.9	80.6
15°	69.1	69.1	63.4	63.4	63.4	63.4	69.1	69.1	74.9	74.9	80.6
17.5°	69.1	69.1	63.4	63.4	63.4	63.4	69.1	69.1	74.9	74.9	80.6
20°	69.1	69.1	63.4	63.4	63.4	63.4	63.4	63.4	69.1	74.9	74.9
22.5°	63.4	63.4	63.4	63.4	57.6	57.6	63.4	63.4	69.1	74.9	74.9
25°	51.8	57.6	57.6	57.6	57.6	57.6	63.4	63.4	69.1	74.9	74.9
27.5°	46.1	51.8	51.8	51.8	51.8	57.6	57.6	63.4	69.1	74.9	74.9
30°	40.3	46.1	46.1	46.1	51.8	57.6	57.6	63.4	69.1	74.9	74.9
32.5°	40.3	46.1	46.1	46.1	51.8	51.8	57.6	57.6	63.4	69.1	74.9
35°	40.3	40.3	46.1	46.1	46.1	51.8	51.8	57.6	63.4	69.1	74.9
37.5°	40.3	40.3	46.1	46.1	46.1	51.8	51.8	57.6	63.4	69.1	74.9
40°	34.6	40.3	40.3	46.1	46.1	51.8	51.8	57.6	63.4	74.9	80.6
42.5°	34.6	34.6	40.3	40.3	46.1	51.8	51.8	57.6	63.4	74.9	80.6
45°	34.6	40.3	40.3	46.1	51.8	57.6	57.6	63.4	69.1	74.9	80.6
47.5°	34.6	40.3	40.3	46.1	57.6	57.6	63.4	63.4	69.1	74.9	80.6
50°	34.6	40.3	40.3	46.1	63.4	63.4	63.4	63.4	69.1	74.9	80.6
52.5°	28.8	34.6	34.6	40.3	51.8	57.6	63.4	69.1	74.9	80.6	86.4
55°	23.0	28.8	28.8	34.6	46.1	51.8	63.4	74.9	80.6	86.4	92.2
57.5°	23.0	23.0	28.8	28.8	40.3	51.8	69.1	80.6	86.4	92.2	97.9
60°	17.3	17.3	23.0	23.0	34.6	46.1	63.4	80.6	86.4	97.9	103.7
62.5°	11.5	17.3	17.3	23.0	28.8	46.1	63.4	80.6	92.2	103.7	109.4
65°	11.5	11.5	17.3	17.3	28.8	40.3	57.6	69.1	86.4	103.7	121.0
67.5°	17.3	17.3	23.0	23.0	28.8	40.3	57.6	69.1	86.4	109.4	126.7
70°	17.3	17.3	23.0	23.0	34.6	46.1	57.6	69.1	86.4	109.4	126.7
72.5°	17.3	17.3	23.0	23.0	34.6	40.3	51.8	63.4	80.6	97.9	115.2
75°	11.5	17.3	17.3	17.3	28.8	34.6	46.1	57.6	74.9	92.2	109.4
77.5°	11.5	11.5	11.5	11.5	23.0	28.8	40.3	46.1	63.4	80.6	97.9
80°	11.5	11.5	11.5	11.5	17.3	23.0	34.6	40.3	57.6	74.9	92.2
82.5°	11.5	11.5	5.8	5.8	11.5	17.3	23.0	28.8	46.1	57.6	74.9
85°	11.5	11.5	5.8	5.8	5.8	11.5	11.5	17.3	23.0	28.8	34.6
87.5°	11.5	11.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	74.9	74.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
5°	74.9	80.6	80.6	86.4	86.4	86.4	92.2	92.2	92.2	92.2	92.2
7.5°	74.9	80.6	80.6	86.4	86.4	86.4	92.2	92.2	92.2	97.9	97.9
10°	74.9	80.6	80.6	86.4	86.4	92.2	97.9	97.9	103.7	103.7	103.7
12.5°	80.6	86.4	86.4	92.2	92.2	97.9	103.7	103.7	109.4	115.2	115.2
15°	80.6	86.4	92.2	92.2	97.9	103.7	109.4	109.4	115.2	121.0	126.7
17.5°	80.6	86.4	92.2	92.2	97.9	103.7	115.2	121.0	126.7	138.2	144.0
20°	80.6	86.4	92.2	92.2	97.9	109.4	115.2	126.7	132.5	144.0	155.5
22.5°	80.6	86.4	92.2	97.9	103.7	115.2	126.7	132.5	144.0	161.3	172.8
25°	80.6	86.4	92.2	97.9	103.7	115.2	126.7	138.2	149.8	172.8	195.8
27.5°	80.6	86.4	97.9	103.7	109.4	121.0	138.2	149.8	161.3	201.6	241.9
30°	80.6	86.4	97.9	103.7	109.4	126.7	144.0	155.5	172.8	241.9	305.3
32.5°	80.6	92.2	97.9	109.4	115.2	132.5	155.5	172.8	190.1	288.0	380.2
35°	80.6	92.2	97.9	109.4	115.2	138.2	161.3	184.3	207.4	351.4	495.4
37.5°	80.6	92.2	97.9	109.4	115.2	149.8	184.3	218.9	253.4	403.2	553.0
40°	86.4	97.9	103.7	115.2	121.0	155.5	190.1	224.6	259.2	409.0	558.7
42.5°	86.4	97.9	103.7	115.2	121.0	149.8	184.3	213.1	241.9	409.0	576.0
45°	86.4	97.9	109.4	115.2	126.7	155.5	184.3	207.4	236.2	449.3	656.7
47.5°	86.4	97.9	109.4	115.2	126.7	155.5	184.3	213.1	241.9	593.3	938.9
50°	86.4	97.9	109.4	115.2	126.7	161.3	195.8	230.4	265.0	887.1	1509.2
52.5°	92.2	97.9	109.4	115.2	121.0	161.3	201.6	241.9	282.2	1152.0	2016.1
55°	97.9	103.7	109.4	115.2	121.0	172.8	224.6	276.5	328.3	1238.4	2142.8
57.5°	103.7	109.4	115.2	115.2	121.0	184.3	253.4	316.8	380.2	1232.7	2079.4
60°	109.4	115.2	121.0	126.7	132.5	195.8	265.0	328.3	391.7	1117.5	1843.3
62.5°	121.0	132.5	144.0	149.8	161.3	224.6	282.2	345.6	403.2	915.9	1422.8
65°	138.2	149.8	155.5	167.0	172.8	230.4	293.8	351.4	409.0	760.3	1106.0
67.5°	144.0	155.5	161.3	172.8	178.6	236.2	293.8	351.4	409.0	645.1	875.5
70°	144.0	155.5	167.0	172.8	184.3	241.9	293.8	351.4	403.2	558.7	714.3
72.5°	132.5	149.8	161.3	178.6	190.1	241.9	288.0	339.8	385.9	495.4	604.8
75°	126.7	149.8	167.0	190.1	207.4	241.9	282.2	316.8	351.4	432.0	512.7
77.5°	115.2	144.0	172.8	201.6	230.4	253.4	270.7	293.8	311.0	362.9	414.7
80°	109.4	138.2	167.0	195.8	224.6	236.2	241.9	253.4	259.2	265.0	270.7
82.5°	86.4	109.4	132.5	149.8	172.8	161.3	155.5	144.0	132.5	126.7	121.0
85°	40.3	46.1	46.1	51.8	51.8	51.8	46.1	46.1	40.3	34.6	28.8
87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	80.6	80.6	80.6	80.6	74.9	74.9	74.9	74.9	69.1	69.1	69.1
5°	92.2	92.2	92.2	92.2	86.4	86.4	86.4	86.4	80.6	80.6	80.6
7.5°	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
10°	109.4	109.4	109.4	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
12.5°	121.0	121.0	126.7	126.7	132.5	132.5	138.2	138.2	144.0	144.0	144.0
15°	132.5	138.2	144.0	149.8	149.8	155.5	161.3	167.0	172.8	178.6	184.3
17.5°	155.5	161.3	172.8	184.3	195.8	207.4	224.6	247.7	265.0	282.2	305.3
20°	172.8	190.1	224.6	265.0	299.5	334.1	420.5	506.9	593.3	679.7	766.1
22.5°	207.4	241.9	357.1	478.1	593.3	708.5	979.2	1250.0	1514.9	1785.6	2027.6
25°	276.5	351.4	616.3	881.3	1140.5	1405.5	1889.3	2378.9	2862.8	3346.7	3795.9
27.5°	380.2	518.4	950.4	1388.2	1820.2	2252.2	2955.0	3663.5	4366.2	5074.7	5702.6
30°	529.9	754.6	1399.7	2050.6	2695.8	3340.9	4228.0	5120.8	6007.8	6894.9	7470.9
32.5°	720.0	1054.1	1872.1	2690.0	3507.9	4325.9	5305.1	6284.3	7257.8	8237.0	8847.6
35°	921.6	1347.9	2332.9	3323.6	4308.6	5299.3	6330.4	7361.5	8392.5	9423.6	10172.4
37.5°	1036.8	1520.7	2690.0	3859.3	5022.9	6192.2	7321.2	8455.9	9584.9	10713.9	11624.0
40°	1146.3	1728.0	3075.9	4423.8	5771.7	7119.6	8438.6	9757.7	11076.8	12395.9	13565.2
42.5°	1307.6	2039.1	3611.6	5184.1	6750.9	8323.4	10057.2	11796.8	13530.6	15264.4	17061.6
45°	1641.6	2626.6	4665.7	6704.8	8738.2	10777.3	13236.8	15702.2	18161.8	20627.1	22931.2
47.5°	2448.1	3951.5	6733.6	9515.8	12297.9	15080.1	17914.1	20748.1	23582.1	26416.1	29157.9
50°	3790.2	6065.4	9544.6	13023.7	16497.1	19976.2	22804.5	25632.7	28455.2	31283.4	34008.0
52.5°	5051.7	8087.3	11825.6	15569.7	19308.0	23052.1	25557.8	28063.5	30569.2	33074.8	35713.0
55°	5483.7	8818.8	12603.2	16393.4	20177.8	23968.0	26381.5	28800.8	31214.3	33627.8	36363.9
57.5°	5103.5	8127.6	11940.8	15754.0	19561.5	23374.7	26070.5	28772.0	31467.7	34169.3	37101.2
60°	4274.0	6699.1	10702.4	14711.4	18714.8	22718.1	25759.4	28800.8	31842.1	34883.5	37809.7
62.5°	3387.0	5345.4	9584.9	13824.4	18063.9	22303.3	25396.5	28495.5	31588.7	34681.9	36928.4
65°	2597.8	4089.7	8260.1	12436.2	16606.5	20782.6	23317.1	25857.3	28391.8	30932.0	32487.3
67.5°	1929.7	2983.8	6629.9	10281.9	13928.1	17574.2	19440.5	21312.6	23178.9	25050.9	26260.6
70°	1422.8	2125.5	4608.1	7090.8	9567.6	12050.2	13761.0	15471.8	17176.8	18887.6	20143.3
72.5°	985.0	1359.4	2845.5	4337.4	5823.5	7309.6	9043.4	10777.3	12505.3	14239.1	15667.6
75°	673.9	835.2	1532.2	2229.2	2926.2	3623.1	4936.5	6249.8	7563.1	8876.4	9631.0
77.5°	501.1	587.5	794.9	1008.0	1215.4	1422.8	1676.2	1929.7	2183.1	2436.5	2764.9
80°	276.5	276.5	305.3	328.3	357.1	380.2	449.3	524.2	593.3	668.2	760.3
82.5°	126.7	132.5	144.0	155.5	161.3	172.8	184.3	195.8	207.4	218.9	218.9
85°	34.6	40.3	40.3	34.6	34.6	28.8	28.8	34.6	34.6	34.6	34.6
87.5°	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	69.1	63.4	63.4	63.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6
5°	80.6	80.6	80.6	80.6	74.9	74.9	74.9	74.9	74.9	69.1	69.1
7.5°	97.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	86.4	86.4
10°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	109.4	109.4
12.5°	144.0	144.0	144.0	144.0	149.8	149.8	144.0	144.0	144.0	138.2	138.2
15°	190.1	195.8	201.6	201.6	207.4	207.4	207.4	201.6	201.6	195.8	190.1
17.5°	322.6	339.8	362.9	385.9	409.0	426.3	426.3	414.7	403.2	391.7	380.2
20°	858.3	944.7	1036.8	1129.0	1226.9	1296.0	1250.0	1215.4	1180.8	1140.5	1106.0
22.5°	2275.3	2517.2	2764.9	2937.7	3110.5	3231.4	3133.5	2943.4	2753.4	2569.0	2378.9
25°	4245.2	4688.8	5138.1	5322.4	5512.5	5650.7	5587.4	5299.3	5011.3	4729.1	4441.1
27.5°	6330.4	6952.5	7580.4	7741.7	7902.9	8023.9	8000.9	7626.4	7252.0	6877.6	6503.2
30°	8046.9	8623.0	9199.0	9360.3	9521.5	9631.0	9510.0	9135.6	8761.2	8386.8	8012.4
32.5°	9463.9	10074.5	10690.9	10904.0	11117.1	11261.1	11117.1	10667.8	10218.5	9775.0	9325.7
35°	10921.3	11664.3	12413.1	12683.9	12954.6	13127.4	12885.5	12332.5	11779.5	11232.3	10679.3
37.5°	12534.1	13438.4	14348.6	14717.2	15091.6	15350.8	15166.5	14475.3	13778.3	13087.1	12390.1
40°	14740.2	15909.6	17084.6	17747.0	18403.7	18870.3	18541.9	17741.3	16934.9	16134.2	15327.8
42.5°	18864.5	20661.7	22458.9	23409.3	24353.9	25039.4	24670.8	23685.8	22700.8	21715.8	20730.8
45°	25235.2	27533.6	29837.6	31225.8	32619.8	33645.1	33218.8	31980.4	30736.2	29497.8	28259.3
47.5°	31899.8	34641.6	37383.4	38489.4	39601.1	40465.1	40361.4	38817.7	37274.0	35736.0	34192.3
50°	36738.3	39462.8	42187.4	43137.8	44094.0	44802.5	44537.5	42573.3	40603.3	38639.1	36669.2
52.5°	38351.1	40983.5	43621.7	44756.4	45891.2	46737.9	46415.3	44203.4	41991.5	39785.4	37573.5
55°	39099.9	41836.0	44572.1	45954.5	47342.7	48356.5	47889.9	45464.9	43034.1	40609.1	38178.3
57.5°	40033.1	42965.0	45896.9	47411.9	48926.8	50021.2	49399.1	46887.7	44376.3	41870.6	39359.2
60°	40735.8	43656.2	46582.4	47797.8	49018.9	49871.4	49272.4	46830.1	44382.0	41939.7	39497.4
62.5°	39180.6	41427.1	43673.5	44577.9	45482.2	46138.9	45799.0	43483.4	41167.8	38852.3	36536.7
65°	34048.3	35603.5	37164.5	37775.1	38379.9	38846.5	38742.8	36790.1	34837.4	32890.5	30937.8
67.5°	27475.9	28685.6	29901.0	30765.0	31634.8	32308.7	32233.8	30454.0	28674.1	26894.2	25114.3
70°	21404.7	22660.5	23916.2	25004.8	26099.3	26946.0	26836.6	25183.4	23524.5	21871.3	20212.4
72.5°	17101.9	18530.4	19958.9	20581.0	21203.1	21640.9	21318.3	20068.4	18812.7	17562.7	16307.0
75°	10385.6	11134.4	11889.0	11883.2	11883.2	11814.1	11491.5	10777.3	10063.0	9348.7	8634.5
77.5°	3093.2	3421.5	3749.9	4066.7	4389.2	4631.2	4567.8	4193.4	3813.2	3438.8	3058.6
80°	852.5	938.9	1031.1	1071.4	1111.7	1163.6	1296.0	1203.9	1111.7	1025.3	933.1
82.5°	218.9	218.9	218.9	213.1	207.4	195.8	178.6	167.0	155.5	144.0	132.5
85°	34.6	28.8	28.8	28.8	23.0	23.0	23.0	23.0	17.3	17.3	11.5
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860

CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
2.5°	57.6	57.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	46.1
5°	69.1	69.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	57.6
7.5°	86.4	86.4	80.6	80.6	80.6	80.6	74.9	74.9	74.9	74.9	69.1
10°	109.4	103.7	103.7	97.9	97.9	97.9	92.2	92.2	92.2	86.4	86.4
12.5°	138.2	132.5	132.5	126.7	121.0	121.0	115.2	109.4	103.7	103.7	97.9
15°	184.3	178.6	172.8	167.0	161.3	149.8	144.0	132.5	126.7	121.0	115.2
17.5°	351.4	322.6	293.8	265.0	241.9	218.9	195.8	172.8	161.3	149.8	138.2
20°	979.2	846.7	720.0	593.3	512.7	432.0	351.4	270.7	236.2	207.4	172.8
22.5°	2119.7	1854.8	1595.6	1330.6	1117.5	910.1	697.0	483.9	403.2	328.3	247.7
25°	3939.9	3433.1	2931.9	2425.0	2021.8	1618.6	1215.4	812.2	662.4	512.7	362.9
27.5°	5846.6	5189.9	4533.2	3876.6	3237.2	2592.1	1946.9	1307.6	1048.3	794.9	535.7
30°	7315.4	6618.4	5927.2	5230.2	4423.8	3617.4	2805.2	1998.8	1589.8	1180.8	766.1
32.5°	8576.9	7822.3	7073.5	6318.9	5385.7	4452.6	3519.5	2586.3	2073.7	1561.0	1042.6
35°	9826.8	8968.6	8116.1	7257.8	6255.5	5253.3	4251.0	3248.7	2597.8	1946.9	1290.3
37.5°	11347.5	10299.2	9256.6	8214.0	7182.9	6157.6	5126.5	4095.5	3266.0	2442.3	1612.8
40°	13997.2	12660.8	11330.2	9993.9	8790.0	7591.9	6388.0	5184.1	4141.6	3099.0	2050.6
42.5°	19054.6	17378.4	15707.9	14031.7	12367.1	10702.4	9031.9	7367.2	5881.1	4400.8	2914.6
45°	26110.8	23962.3	21819.5	19670.9	17620.3	15575.5	13524.8	11474.2	9216.3	6958.3	4694.5
47.5°	31842.1	29486.2	27136.1	24780.2	22504.9	20235.4	17960.2	15684.9	12793.3	9907.5	7015.9
50°	34428.5	32182.0	29941.3	27694.8	25413.8	23127.0	20840.2	18559.2	15241.4	11929.3	8611.4
52.5°	35298.2	33017.2	30742.0	28460.9	26197.2	23933.5	21669.7	19406.0	15955.6	12511.1	9060.7
55°	35776.3	33368.6	30966.6	28558.9	26122.3	23680.0	21237.7	18801.2	15368.1	11940.8	8507.8
57.5°	36744.0	34123.2	31508.1	28887.2	26110.8	23334.4	20552.2	17775.8	14388.9	11001.9	7614.9
60°	36922.6	34342.1	31767.3	29192.5	26122.3	23052.1	19976.2	16906.1	13542.1	10184.0	6820.0
62.5°	34382.4	32228.1	30079.5	27925.2	24849.3	21773.4	18691.7	15615.8	12395.9	9175.9	5950.2
65°	29077.3	27216.7	25362.0	23501.4	20990.0	18484.3	15972.9	13461.5	10587.2	7718.6	4844.3
67.5°	23294.1	21473.9	19659.4	17839.2	15949.9	14066.3	12177.0	10287.6	8070.0	5852.3	3634.7
70°	18467.1	16716.0	14970.6	13219.6	11549.1	9872.9	8196.7	6526.3	5149.6	3778.7	2402.0
72.5°	14636.6	12960.4	11289.9	9613.7	8098.8	6583.9	5068.9	3554.0	2868.6	2188.9	1503.4
75°	7764.7	6894.9	6030.9	5161.1	4308.6	3450.3	2592.1	1739.6	1468.8	1198.1	921.6
77.5°	2678.5	2298.3	1923.9	1543.7	1284.5	1025.3	766.1	506.9	478.1	455.1	426.3
80°	812.2	691.2	570.3	449.3	397.5	345.6	293.8	241.9	224.6	207.4	184.3
82.5°	126.7	115.2	109.4	97.9	92.2	92.2	86.4	80.6	69.1	63.4	51.8
85°	11.5	5.8	5.8	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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: P1067860
 CATALOG NUMBER: NAV-SA4D-835-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	51.8	51.8
2.5°	46.1	46.1
5°	57.6	57.6
7.5°	69.1	69.1
10°	80.6	80.6
12.5°	92.2	92.2
15°	109.4	103.7
17.5°	126.7	121.0
20°	138.2	126.7
22.5°	167.0	144.0
25°	213.1	178.6
27.5°	276.5	218.9
30°	357.1	276.5
32.5°	529.9	385.9
35°	639.4	466.6
37.5°	783.4	541.5
40°	1008.0	656.7
42.5°	1428.5	892.8
45°	2436.5	1480.4
47.5°	4130.0	2522.9
50°	5293.6	3237.2
52.5°	5616.2	3433.1
55°	5080.5	3150.8
57.5°	4228.0	2678.5
60°	3461.9	2206.1
62.5°	2730.3	1745.3
65°	1970.0	1319.1
67.5°	1417.0	1013.8
70°	1031.1	794.9
72.5°	817.9	662.4
75°	650.9	553.0
77.5°	403.2	368.7
80°	167.0	155.5
82.5°	40.3	34.6
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: P1067860

CATALOG NUMBER: NAV-SA4D-835-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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

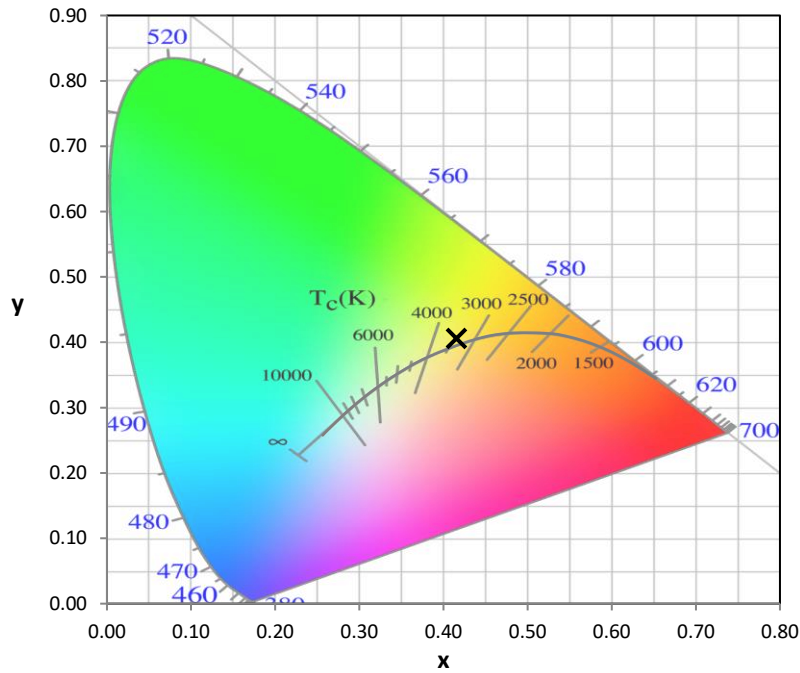
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



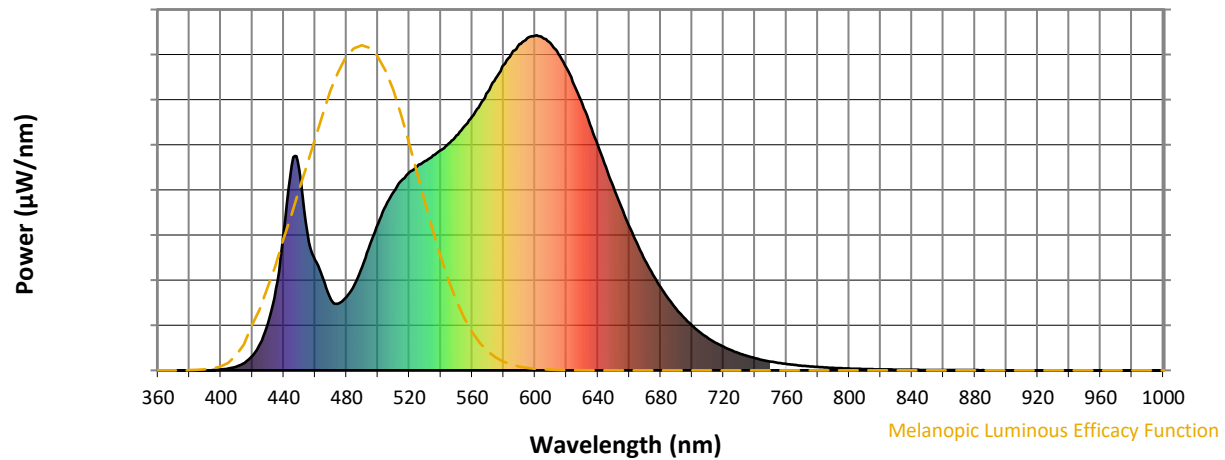
Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

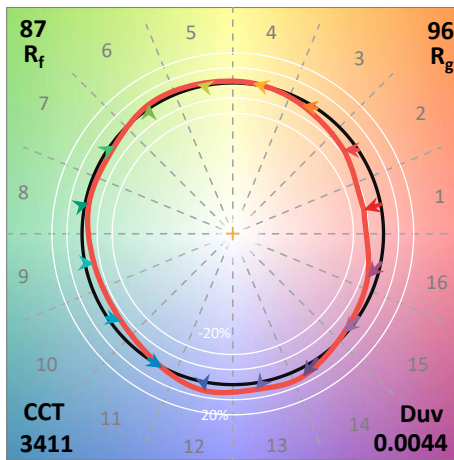
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

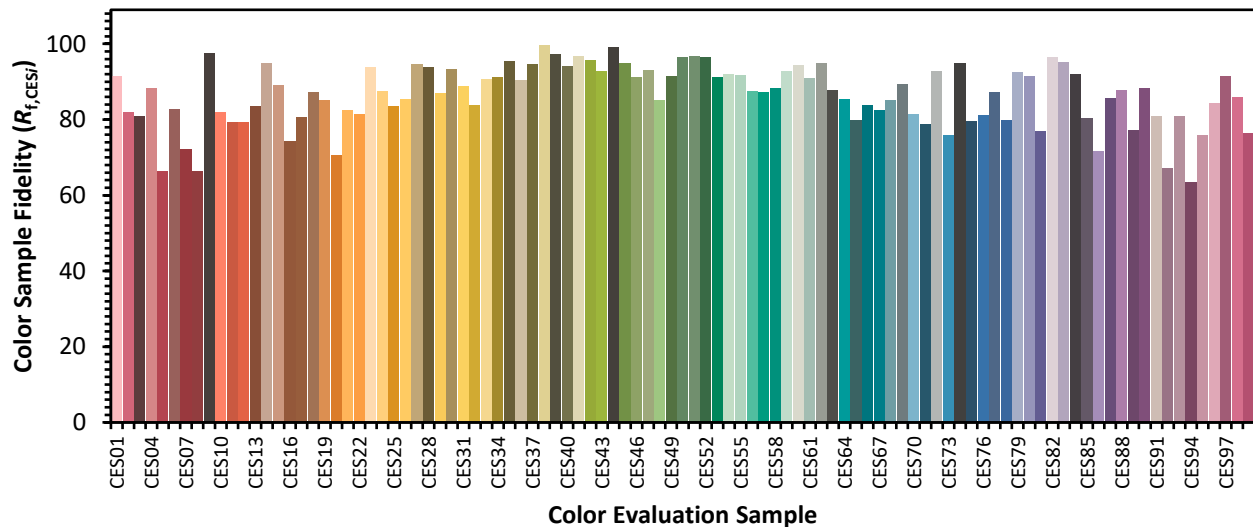


Color Vector Graphics



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

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)