

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: P1067716

Luminaire Tested: **NAV-SA4D-730-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067716
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-730-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19080 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 218.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



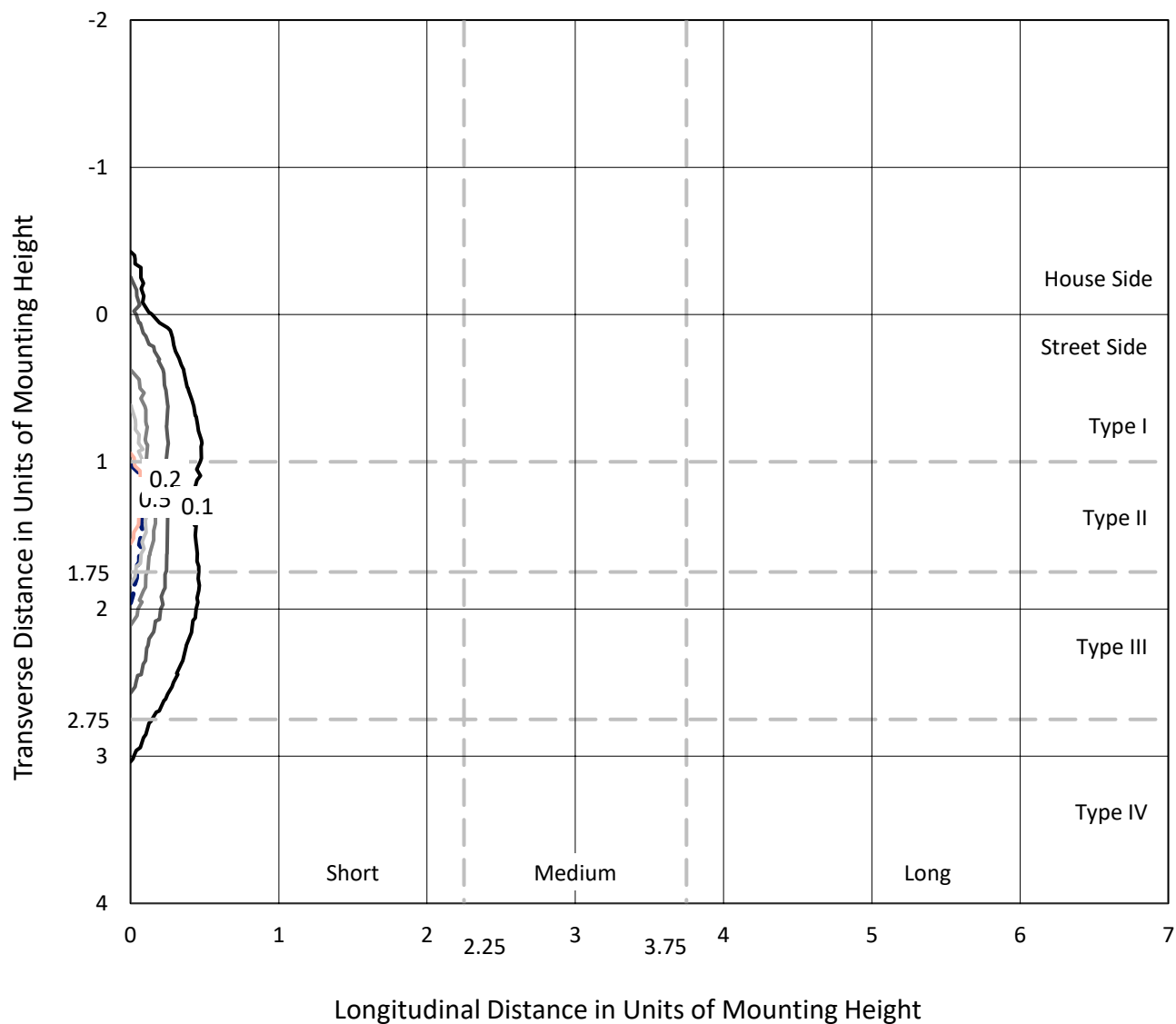
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CATALOG NUMBER: NAV-SA4D-730-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

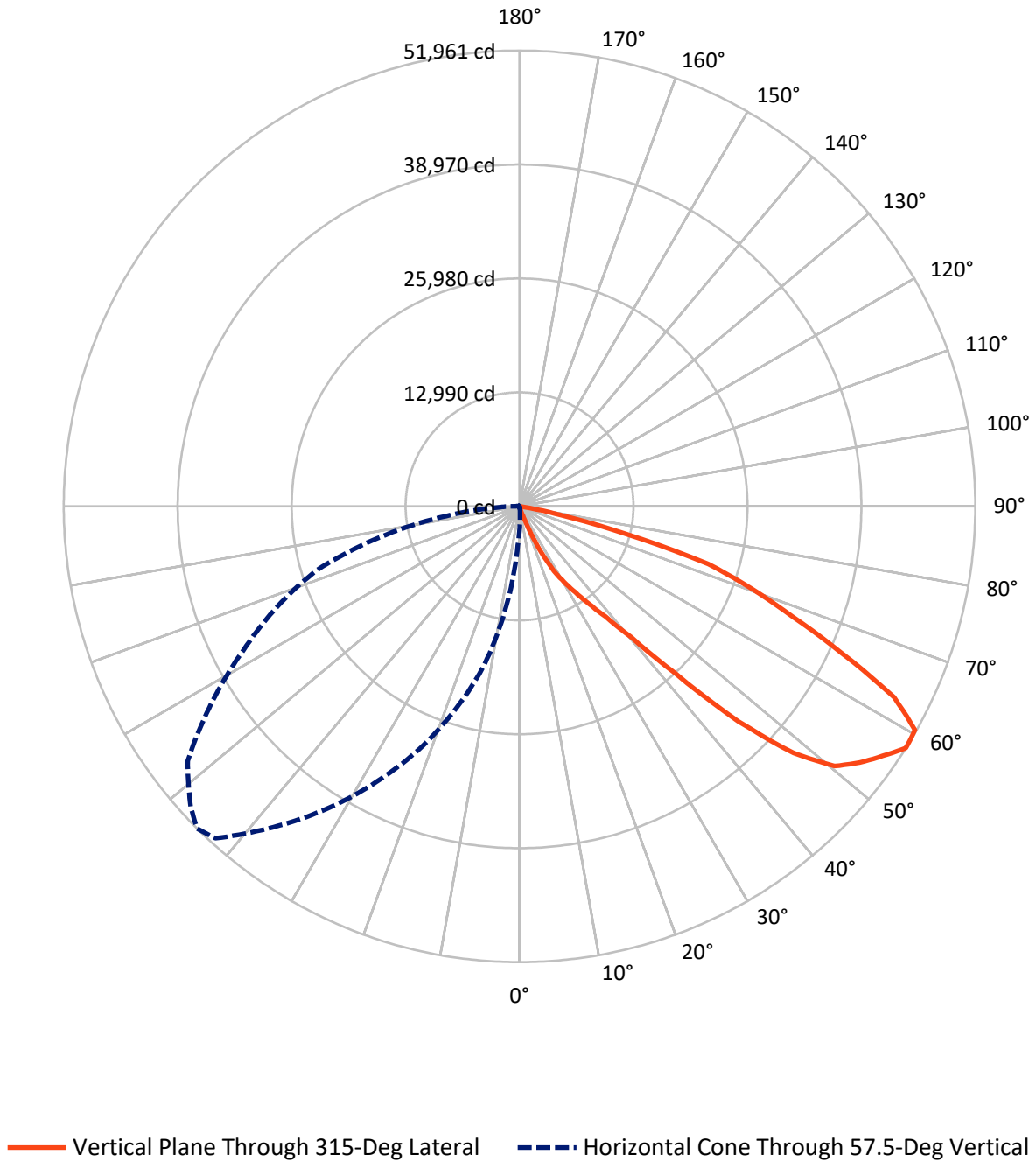


Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	113.5	0.0	113.5
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	18966.5	0.0	18966.5
	% Fixture	99.4	0.0	99.4
Total	Lumens	19080.0	0.0	19080.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.0
10°-20°	28.0	0.1
20°-30°	356.1	1.9
30°-40°	1200.2	6.3
40°-50°	3624.6	19.0
50°-60°	6395.0	33.5
60°-70°	5633.9	29.5
70°-80°	1793.4	9.4
80°-90°	43.2	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°	19080.0	100.0
0°-180°	19080.0	100.0



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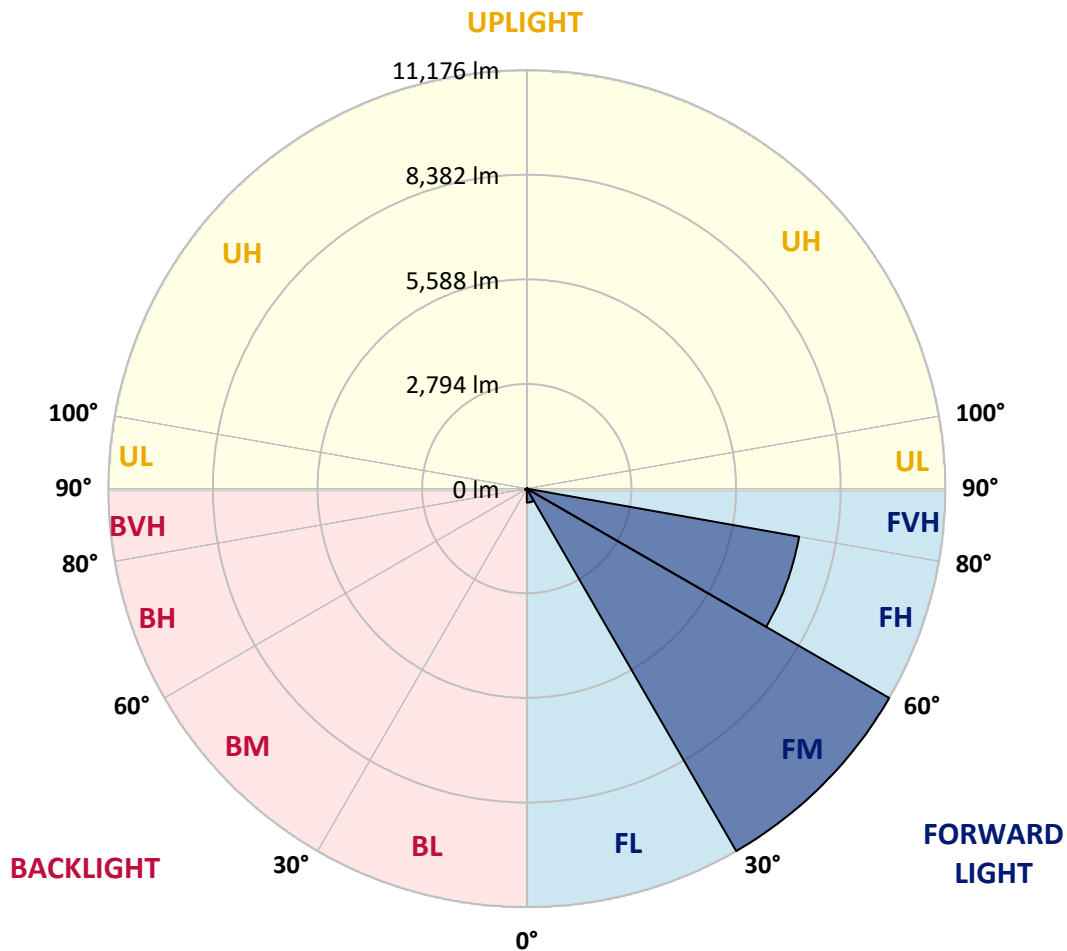
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.7	2.0			
FM	(30°-60°)	11175.8	58.6			
FH	(60°-80°)	7382.9	38.7			G3/7500
FVH	(80°-90°)	35.1	0.2			G1/100
BL	(0°-30°)	17.0	0.1	B0/110		
BM	(30°-60°)	44.0	0.2	B0/220		
BH	(60°-80°)	44.5	0.2	B0/110		G0/110
BVH	(80°-90°)	8.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	41.9
5°	59.8	59.8	59.8	53.9	53.9	53.9	47.9	47.9	47.9	47.9	47.9
7.5°	71.8	65.8	65.8	59.8	59.8	59.8	53.9	53.9	53.9	53.9	47.9
10°	83.8	77.8	77.8	71.8	71.8	65.8	65.8	59.8	59.8	53.9	53.9
12.5°	95.7	89.8	83.8	77.8	77.8	71.8	71.8	65.8	65.8	59.8	59.8
15°	107.7	101.7	95.7	89.8	83.8	83.8	77.8	71.8	65.8	65.8	59.8
17.5°	125.7	113.7	107.7	95.7	89.8	83.8	77.8	71.8	71.8	65.8	65.8
20°	131.6	119.7	113.7	101.7	95.7	89.8	83.8	77.8	71.8	71.8	65.8
22.5°	155.6	131.6	125.7	113.7	107.7	101.7	89.8	83.8	77.8	71.8	65.8
25°	191.5	155.6	137.6	119.7	113.7	101.7	95.7	83.8	77.8	71.8	65.8
27.5°	233.4	173.5	155.6	131.6	119.7	107.7	95.7	83.8	77.8	71.8	65.8
30°	287.2	203.4	173.5	143.6	131.6	119.7	101.7	89.8	83.8	77.8	65.8
32.5°	400.9	251.3	203.4	155.6	137.6	125.7	107.7	89.8	83.8	77.8	65.8
35°	484.7	305.2	245.3	179.5	155.6	137.6	113.7	89.8	83.8	77.8	65.8
37.5°	562.4	311.1	251.3	191.5	167.5	143.6	113.7	89.8	83.8	77.8	65.8
40°	688.1	323.1	251.3	179.5	161.6	137.6	119.7	95.7	89.8	77.8	71.8
42.5°	927.4	371.0	269.3	167.5	149.6	137.6	119.7	101.7	89.8	83.8	71.8
45°	1543.7	550.5	365.0	173.5	155.6	137.6	119.7	101.7	95.7	83.8	77.8
47.5°	2626.7	957.4	568.4	179.5	161.6	137.6	119.7	95.7	89.8	83.8	71.8
50°	3362.7	1226.6	718.0	209.4	179.5	155.6	125.7	95.7	89.8	83.8	77.8
52.5°	3572.1	1304.4	777.9	245.3	209.4	173.5	131.6	95.7	89.8	89.8	83.8
55°	3273.0	1268.5	777.9	287.2	239.3	197.5	149.6	101.7	95.7	95.7	89.8
57.5°	2782.3	1172.8	742.0	311.1	263.3	209.4	161.6	107.7	101.7	101.7	95.7
60°	2291.7	987.3	670.1	347.0	293.2	239.3	185.5	131.6	125.7	119.7	107.7
62.5°	1819.0	795.8	586.4	371.0	317.1	257.3	203.4	143.6	137.6	131.6	125.7
65°	1370.2	694.1	544.5	388.9	329.1	269.3	209.4	149.6	143.6	143.6	137.6
67.5°	1053.1	634.2	520.6	400.9	341.1	281.2	221.4	161.6	155.6	149.6	143.6
70°	831.7	586.4	490.6	394.9	341.1	287.2	227.4	173.5	161.6	155.6	143.6
72.5°	694.1	532.5	454.7	377.0	335.1	293.2	251.3	209.4	185.5	167.5	143.6
75°	580.4	478.7	412.9	341.1	311.1	287.2	257.3	227.4	197.5	167.5	137.6
77.5°	382.9	347.0	317.1	287.2	269.3	251.3	227.4	209.4	179.5	155.6	125.7
80°	161.6	149.6	155.6	155.6	155.6	155.6	149.6	149.6	131.6	113.7	89.8
82.5°	35.9	29.9	35.9	35.9	35.9	35.9	29.9	29.9	29.9	23.9	23.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
5°	47.9	47.9	47.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
7.5°	47.9	47.9	47.9	41.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
10°	47.9	47.9	47.9	41.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
12.5°	53.9	53.9	47.9	47.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
15°	53.9	53.9	47.9	47.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
17.5°	59.8	53.9	53.9	47.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
20°	59.8	53.9	53.9	47.9	41.9	41.9	41.9	35.9	35.9	35.9	35.9
22.5°	59.8	53.9	53.9	47.9	41.9	41.9	35.9	35.9	29.9	29.9	23.9
25°	59.8	53.9	53.9	47.9	41.9	41.9	35.9	35.9	29.9	23.9	23.9
27.5°	59.8	53.9	53.9	47.9	41.9	35.9	35.9	29.9	23.9	18.0	18.0
30°	59.8	53.9	53.9	47.9	41.9	35.9	29.9	23.9	18.0	18.0	12.0
32.5°	59.8	53.9	47.9	41.9	35.9	29.9	29.9	23.9	18.0	12.0	12.0
35°	59.8	53.9	47.9	41.9	35.9	29.9	29.9	23.9	18.0	12.0	12.0
37.5°	59.8	53.9	47.9	41.9	35.9	29.9	23.9	18.0	12.0	12.0	6.0
40°	59.8	53.9	47.9	41.9	35.9	29.9	23.9	18.0	12.0	12.0	6.0
42.5°	59.8	53.9	47.9	41.9	35.9	29.9	23.9	18.0	12.0	12.0	6.0
45°	65.8	59.8	53.9	41.9	35.9	29.9	29.9	23.9	18.0	12.0	12.0
47.5°	65.8	59.8	53.9	41.9	35.9	29.9	29.9	23.9	18.0	12.0	12.0
50°	71.8	65.8	59.8	47.9	41.9	35.9	29.9	18.0	12.0	12.0	6.0
52.5°	77.8	71.8	65.8	59.8	53.9	41.9	29.9	18.0	6.0	6.0	6.0
55°	83.8	77.8	77.8	71.8	65.8	47.9	35.9	18.0	0.0	0.0	0.0
57.5°	89.8	83.8	83.8	77.8	71.8	53.9	35.9	18.0	0.0	0.0	0.0
60°	101.7	95.7	89.8	77.8	71.8	53.9	35.9	18.0	0.0	0.0	0.0
62.5°	119.7	107.7	89.8	77.8	59.8	47.9	29.9	18.0	0.0	0.0	0.0
65°	131.6	113.7	95.7	71.8	53.9	41.9	29.9	12.0	0.0	0.0	0.0
67.5°	137.6	113.7	95.7	71.8	47.9	35.9	23.9	12.0	0.0	0.0	0.0
70°	131.6	107.7	89.8	65.8	41.9	29.9	23.9	12.0	0.0	0.0	0.0
72.5°	119.7	101.7	77.8	59.8	35.9	29.9	18.0	12.0	0.0	0.0	0.0
75°	107.7	89.8	65.8	47.9	23.9	18.0	12.0	6.0	0.0	0.0	0.0
77.5°	95.7	77.8	53.9	35.9	12.0	12.0	6.0	6.0	0.0	0.0	0.0
80°	71.8	53.9	35.9	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.0	12.0	12.0	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
5°	35.9	35.9	35.9	35.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
7.5°	35.9	35.9	35.9	35.9	29.9	29.9	29.9	29.9	23.9	23.9	23.9
10°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	23.9	23.9	23.9
12.5°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	23.9	23.9	23.9
15°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	23.9	23.9	18.0	18.0
17.5°	29.9	29.9	29.9	29.9	23.9	23.9	23.9	18.0	18.0	12.0	12.0
20°	29.9	29.9	29.9	23.9	23.9	18.0	18.0	12.0	12.0	6.0	6.0
22.5°	23.9	18.0	18.0	12.0	12.0	6.0	6.0	6.0	0.0	0.0	0.0
25°	18.0	12.0	12.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	12.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	12.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	35.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
5°	29.9	29.9	29.9	29.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
7.5°	23.9	23.9	23.9	23.9	23.9	23.9	18.0	18.0	18.0	18.0	18.0
10°	23.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	12.0	12.0
12.5°	23.9	18.0	18.0	18.0	12.0	12.0	12.0	12.0	12.0	6.0	6.0
15°	18.0	12.0	12.0	12.0	6.0	6.0	6.0	6.0	6.0	0.0	0.0
17.5°	12.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	35.9	35.9
5°	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
7.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
10°	12.0	12.0	12.0	12.0	12.0	12.0	6.0	6.0	6.0	6.0	6.0
12.5°	6.0	6.0	6.0	6.0	6.0	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	35.9	35.9	35.9	35.9	35.9	41.9	41.9	47.9	47.9	53.9	53.9
5°	23.9	23.9	29.9	29.9	29.9	29.9	35.9	35.9	35.9	41.9	41.9
7.5°	18.0	18.0	18.0	18.0	18.0	23.9	23.9	29.9	29.9	35.9	35.9
10°	6.0	6.0	12.0	12.0	12.0	12.0	18.0	18.0	18.0	23.9	29.9
12.5°	0.0	0.0	6.0	6.0	6.0	6.0	12.0	12.0	12.0	18.0	23.9
15°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	12.0	18.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	59.8	59.8	65.8	65.8	71.8	71.8	77.8	77.8	77.8	77.8	77.8
5°	47.9	47.9	53.9	59.8	59.8	65.8	71.8	71.8	71.8	71.8	71.8
7.5°	41.9	41.9	47.9	53.9	53.9	59.8	65.8	65.8	71.8	71.8	71.8
10°	29.9	35.9	41.9	47.9	47.9	53.9	59.8	59.8	65.8	65.8	65.8
12.5°	23.9	29.9	35.9	41.9	41.9	47.9	53.9	53.9	59.8	59.8	65.8
15°	18.0	23.9	29.9	35.9	35.9	41.9	47.9	47.9	53.9	59.8	65.8
17.5°	12.0	18.0	23.9	29.9	29.9	35.9	41.9	47.9	53.9	53.9	59.8
20°	12.0	12.0	18.0	23.9	23.9	29.9	35.9	41.9	47.9	47.9	53.9
22.5°	6.0	6.0	12.0	18.0	18.0	23.9	29.9	35.9	41.9	41.9	47.9
25°	0.0	0.0	6.0	12.0	12.0	18.0	23.9	23.9	29.9	29.9	35.9
27.5°	0.0	0.0	6.0	6.0	12.0	12.0	18.0	18.0	23.9	23.9	29.9
30°	0.0	0.0	6.0	6.0	12.0	12.0	18.0	18.0	23.9	23.9	23.9
32.5°	0.0	0.0	0.0	6.0	6.0	6.0	12.0	12.0	18.0	18.0	23.9
35°	0.0	0.0	0.0	6.0	6.0	6.0	12.0	12.0	18.0	18.0	18.0
37.5°	0.0	0.0	0.0	6.0	6.0	6.0	12.0	12.0	12.0	12.0	18.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	12.0	12.0	12.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	12.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	77.8	77.8
5°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	71.8	71.8
7.5°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	71.8	71.8
10°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
12.5°	65.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
15°	65.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
17.5°	59.8	65.8	65.8	65.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
20°	53.9	59.8	59.8	59.8	65.8	65.8	65.8	65.8	71.8	71.8	71.8
22.5°	47.9	53.9	53.9	53.9	59.8	59.8	59.8	59.8	65.8	65.8	65.8
25°	41.9	41.9	47.9	47.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
27.5°	29.9	35.9	35.9	35.9	41.9	41.9	41.9	41.9	47.9	47.9	47.9
30°	29.9	29.9	29.9	29.9	35.9	35.9	35.9	35.9	41.9	41.9	41.9
32.5°	23.9	29.9	29.9	29.9	35.9	35.9	35.9	35.9	41.9	41.9	41.9
35°	23.9	23.9	23.9	23.9	29.9	29.9	29.9	29.9	35.9	35.9	35.9
37.5°	18.0	23.9	23.9	23.9	29.9	29.9	29.9	29.9	35.9	35.9	35.9
40°	18.0	18.0	18.0	18.0	23.9	23.9	23.9	23.9	29.9	29.9	29.9
42.5°	18.0	18.0	18.0	18.0	23.9	23.9	23.9	23.9	29.9	29.9	29.9
45°	18.0	18.0	18.0	18.0	23.9	23.9	23.9	23.9	29.9	29.9	29.9
47.5°	18.0	18.0	18.0	18.0	23.9	23.9	23.9	23.9	29.9	29.9	29.9
50°	18.0	18.0	18.0	18.0	23.9	23.9	23.9	23.9	29.9	29.9	29.9
52.5°	12.0	12.0	12.0	12.0	18.0	18.0	18.0	18.0	23.9	23.9	23.9
55°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	18.0	18.0	18.0
57.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	18.0	18.0	18.0
60°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
62.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	6.0	6.0
67.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
70°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
72.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
75°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
77.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
80°	18.0	18.0	18.0	18.0	18.0	12.0	12.0	12.0	12.0	12.0	12.0
82.5°	12.0	18.0	18.0	18.0	18.0	12.0	12.0	12.0	12.0	12.0	12.0
85°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	77.8	77.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	77.8	77.8
5°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	77.8	77.8
7.5°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	77.8	77.8
10°	71.8	71.8	71.8	71.8	65.8	65.8	71.8	71.8	71.8	77.8	77.8
12.5°	71.8	71.8	71.8	71.8	65.8	65.8	71.8	71.8	77.8	77.8	83.8
15°	71.8	71.8	65.8	65.8	65.8	65.8	71.8	71.8	77.8	77.8	83.8
17.5°	71.8	71.8	65.8	65.8	65.8	65.8	71.8	71.8	77.8	77.8	83.8
20°	71.8	71.8	65.8	65.8	65.8	65.8	65.8	65.8	71.8	77.8	77.8
22.5°	65.8	65.8	65.8	65.8	59.8	59.8	65.8	65.8	71.8	77.8	77.8
25°	53.9	59.8	59.8	59.8	59.8	59.8	65.8	65.8	71.8	77.8	77.8
27.5°	47.9	53.9	53.9	53.9	53.9	59.8	59.8	65.8	71.8	77.8	77.8
30°	41.9	47.9	47.9	47.9	53.9	59.8	59.8	65.8	71.8	77.8	77.8
32.5°	41.9	47.9	47.9	47.9	53.9	53.9	59.8	59.8	65.8	71.8	77.8
35°	41.9	41.9	47.9	47.9	47.9	53.9	53.9	59.8	65.8	71.8	77.8
37.5°	41.9	41.9	47.9	47.9	47.9	53.9	53.9	59.8	65.8	71.8	77.8
40°	35.9	41.9	41.9	47.9	47.9	53.9	53.9	59.8	65.8	77.8	83.8
42.5°	35.9	35.9	41.9	41.9	47.9	53.9	53.9	59.8	65.8	77.8	83.8
45°	35.9	41.9	41.9	47.9	53.9	59.8	59.8	65.8	71.8	77.8	83.8
47.5°	35.9	41.9	41.9	47.9	59.8	59.8	65.8	65.8	71.8	77.8	83.8
50°	35.9	41.9	41.9	47.9	65.8	65.8	65.8	65.8	71.8	77.8	83.8
52.5°	29.9	35.9	35.9	41.9	53.9	59.8	65.8	71.8	77.8	83.8	89.8
55°	23.9	29.9	29.9	35.9	47.9	53.9	65.8	77.8	83.8	89.8	95.7
57.5°	23.9	23.9	29.9	29.9	41.9	53.9	71.8	83.8	89.8	95.7	101.7
60°	18.0	18.0	23.9	23.9	35.9	47.9	65.8	83.8	89.8	101.7	107.7
62.5°	12.0	18.0	18.0	23.9	29.9	47.9	65.8	83.8	95.7	107.7	113.7
65°	12.0	12.0	18.0	18.0	29.9	41.9	59.8	71.8	89.8	107.7	125.7
67.5°	18.0	18.0	23.9	23.9	29.9	41.9	59.8	71.8	89.8	113.7	131.6
70°	18.0	18.0	23.9	23.9	35.9	47.9	59.8	71.8	89.8	113.7	131.6
72.5°	18.0	18.0	23.9	23.9	35.9	41.9	53.9	65.8	83.8	101.7	119.7
75°	12.0	18.0	18.0	18.0	29.9	35.9	47.9	59.8	77.8	95.7	113.7
77.5°	12.0	12.0	12.0	12.0	23.9	29.9	41.9	47.9	65.8	83.8	101.7
80°	12.0	12.0	12.0	12.0	18.0	23.9	35.9	41.9	59.8	77.8	95.7
82.5°	12.0	12.0	6.0	6.0	12.0	18.0	23.9	29.9	47.9	59.8	77.8
85°	12.0	12.0	6.0	6.0	6.0	12.0	12.0	18.0	23.9	29.9	35.9
87.5°	12.0	12.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	77.8	77.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
5°	77.8	83.8	83.8	89.8	89.8	89.8	95.7	95.7	95.7	95.7	95.7
7.5°	77.8	83.8	83.8	89.8	89.8	89.8	95.7	95.7	95.7	101.7	101.7
10°	77.8	83.8	83.8	89.8	89.8	95.7	101.7	101.7	107.7	107.7	107.7
12.5°	83.8	89.8	89.8	95.7	95.7	101.7	107.7	107.7	113.7	119.7	119.7
15°	83.8	89.8	95.7	95.7	101.7	107.7	113.7	113.7	119.7	125.7	131.6
17.5°	83.8	89.8	95.7	95.7	101.7	107.7	119.7	125.7	131.6	143.6	149.6
20°	83.8	89.8	95.7	95.7	101.7	113.7	119.7	131.6	137.6	149.6	161.6
22.5°	83.8	89.8	95.7	101.7	107.7	119.7	131.6	137.6	149.6	167.5	179.5
25°	83.8	89.8	95.7	101.7	107.7	119.7	131.6	143.6	155.6	179.5	203.4
27.5°	83.8	89.8	101.7	107.7	113.7	125.7	143.6	155.6	167.5	209.4	251.3
30°	83.8	89.8	101.7	107.7	113.7	131.6	149.6	161.6	179.5	251.3	317.1
32.5°	83.8	95.7	101.7	113.7	119.7	137.6	161.6	179.5	197.5	299.2	394.9
35°	83.8	95.7	101.7	113.7	119.7	143.6	167.5	191.5	215.4	365.0	514.6
37.5°	83.8	95.7	101.7	113.7	119.7	155.6	191.5	227.4	263.3	418.8	574.4
40°	89.8	101.7	107.7	119.7	125.7	161.6	197.5	233.4	269.3	424.8	580.4
42.5°	89.8	101.7	107.7	119.7	125.7	155.6	191.5	221.4	251.3	424.8	598.3
45°	89.8	101.7	113.7	119.7	131.6	161.6	191.5	215.4	245.3	466.7	682.1
47.5°	89.8	101.7	113.7	119.7	131.6	161.6	191.5	221.4	251.3	616.3	975.3
50°	89.8	101.7	113.7	119.7	131.6	167.5	203.4	239.3	275.2	921.5	1567.7
52.5°	95.7	101.7	113.7	119.7	125.7	167.5	209.4	251.3	293.2	1196.7	2094.2
55°	101.7	107.7	113.7	119.7	125.7	179.5	233.4	287.2	341.1	1286.4	2225.9
57.5°	107.7	113.7	119.7	119.7	125.7	191.5	263.3	329.1	394.9	1280.5	2160.0
60°	113.7	119.7	125.7	131.6	137.6	203.4	275.2	341.1	406.9	1160.8	1914.7
62.5°	125.7	137.6	149.6	155.6	167.5	233.4	293.2	359.0	418.8	951.4	1477.9
65°	143.6	155.6	161.6	173.5	179.5	239.3	305.2	365.0	424.8	789.8	1148.8
67.5°	149.6	161.6	167.5	179.5	185.5	245.3	305.2	365.0	424.8	670.1	909.5
70°	149.6	161.6	173.5	179.5	191.5	251.3	305.2	365.0	418.8	580.4	742.0
72.5°	137.6	155.6	167.5	185.5	197.5	251.3	299.2	353.0	400.9	514.6	628.3
75°	131.6	155.6	173.5	197.5	215.4	251.3	293.2	329.1	365.0	448.8	532.5
77.5°	119.7	149.6	179.5	209.4	239.3	263.3	281.2	305.2	323.1	377.0	430.8
80°	113.7	143.6	173.5	203.4	233.4	245.3	251.3	263.3	269.3	275.2	281.2
82.5°	89.8	113.7	137.6	155.6	179.5	167.5	161.6	149.6	137.6	131.6	125.7
85°	41.9	47.9	47.9	53.9	53.9	53.9	47.9	47.9	41.9	35.9	29.9
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	83.8	83.8	83.8	83.8	77.8	77.8	77.8	77.8	71.8	71.8	71.8
5°	95.7	95.7	95.7	95.7	89.8	89.8	89.8	89.8	83.8	83.8	83.8
7.5°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
10°	113.7	113.7	113.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
12.5°	125.7	125.7	131.6	131.6	137.6	137.6	143.6	143.6	149.6	149.6	149.6
15°	137.6	143.6	149.6	155.6	155.6	161.6	167.5	173.5	179.5	185.5	191.5
17.5°	161.6	167.5	179.5	191.5	203.4	215.4	233.4	257.3	275.2	293.2	317.1
20°	179.5	197.5	233.4	275.2	311.1	347.0	436.8	526.5	616.3	706.0	795.8
22.5°	215.4	251.3	371.0	496.6	616.3	736.0	1017.2	1298.4	1573.7	1854.9	2106.2
25°	287.2	365.0	640.2	915.5	1184.7	1460.0	1962.6	2471.2	2973.8	3476.4	3943.1
27.5°	394.9	538.5	987.3	1442.0	1890.8	2339.5	3069.5	3805.5	4535.5	5271.4	5923.6
30°	550.5	783.8	1454.0	2130.1	2800.3	3470.4	4391.9	5319.3	6240.8	7162.2	7760.6
32.5°	747.9	1095.0	1944.6	2794.3	3643.9	4493.6	5510.8	6528.0	7539.2	8556.4	9190.6
35°	957.4	1400.1	2423.3	3452.5	4475.6	5504.8	6575.8	7646.9	8717.9	9789.0	10566.8
37.5°	1077.0	1579.6	2794.3	4008.9	5217.6	6432.2	7605.0	8783.7	9956.5	11129.3	12074.6
40°	1190.7	1795.0	3195.2	4595.3	5995.4	7395.6	8765.8	10136.0	11506.2	12876.4	14091.1
42.5°	1358.2	2118.1	3751.6	5385.1	7012.6	8646.1	10447.1	12254.1	14055.2	15856.2	17723.0
45°	1705.3	2728.5	4846.6	6964.8	9076.9	11195.1	13750.0	16310.9	18865.9	21426.8	23820.2
47.5°	2543.0	4104.7	6994.7	9884.7	12774.7	15664.7	18608.6	21552.5	24496.3	27440.2	30288.3
50°	3937.1	6300.6	9914.6	13528.6	17136.7	20750.7	23688.6	26626.4	29558.3	32496.2	35326.4
52.5°	5247.5	8400.8	12284.1	16173.3	20056.6	23945.8	26548.7	29151.5	31754.3	34357.1	37097.5
55°	5696.3	9160.7	13091.8	17029.0	20960.1	24897.2	27404.3	29917.3	32424.4	34931.5	37773.6
57.5°	5301.4	8442.7	12403.7	16364.8	20319.9	24280.9	27081.2	29887.4	32687.7	35493.9	38539.5
60°	4439.7	6958.8	11117.3	15281.8	19440.3	23598.8	26758.1	29917.3	33076.6	36235.9	39275.5
62.5°	3518.3	5552.7	9956.5	14360.3	18764.2	23168.0	26381.1	29600.2	32813.3	36026.5	38360.0
65°	2698.5	4248.3	8580.3	12918.3	17250.3	21588.4	24221.1	26859.8	29492.5	32131.2	33746.8
67.5°	2004.5	3099.4	6887.0	10680.5	14468.0	18255.6	20194.2	22138.8	24077.5	26022.1	27278.6
70°	1477.9	2207.9	4786.8	7365.7	9938.5	12517.4	14294.5	16071.6	17842.7	19619.8	20924.2
72.5°	1023.2	1412.1	2955.8	4505.6	6049.3	7593.0	9394.0	11195.1	12990.1	14791.1	16275.0
75°	700.1	867.6	1591.6	2315.6	3039.6	3763.6	5127.8	6492.1	7856.3	9220.5	10004.4
77.5°	520.6	610.3	825.7	1047.1	1262.5	1477.9	1741.2	2004.5	2267.7	2531.0	2872.1
80°	287.2	287.2	317.1	341.1	371.0	394.9	466.7	544.5	616.3	694.1	789.8
82.5°	131.6	137.6	149.6	161.6	167.5	179.5	191.5	203.4	215.4	227.4	227.4
85°	35.9	41.9	41.9	35.9	35.9	29.9	29.9	35.9	35.9	35.9	35.9
87.5°	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	71.8	65.8	65.8	65.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
5°	83.8	83.8	83.8	83.8	77.8	77.8	77.8	77.8	77.8	71.8	71.8
7.5°	101.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	89.8	89.8
10°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	113.7	113.7
12.5°	149.6	149.6	149.6	149.6	155.6	155.6	149.6	149.6	149.6	143.6	143.6
15°	197.5	203.4	209.4	209.4	215.4	215.4	215.4	209.4	209.4	203.4	197.5
17.5°	335.1	353.0	377.0	400.9	424.8	442.8	442.8	430.8	418.8	406.9	394.9
20°	891.5	981.3	1077.0	1172.8	1274.5	1346.3	1298.4	1262.5	1226.6	1184.7	1148.8
22.5°	2363.5	2614.8	2872.1	3051.6	3231.1	3356.7	3255.0	3057.6	2860.1	2668.6	2471.2
25°	4409.8	4870.5	5337.3	5528.7	5726.2	5869.8	5804.0	5504.8	5205.6	4912.4	4613.3
27.5°	6575.8	7222.0	7874.2	8041.8	8209.3	8335.0	8311.0	7922.1	7533.2	7144.3	6755.3
30°	8358.9	8957.3	9555.6	9723.1	9890.7	10004.4	9878.7	9489.8	9100.9	8711.9	8323.0
32.5°	9830.8	10465.1	11105.3	11326.7	11548.1	11697.7	11548.1	11081.4	10614.7	10153.9	9687.2
35°	11344.7	12116.5	12894.4	13175.6	13456.8	13636.3	13385.0	12810.6	12236.2	11667.8	11093.4
37.5°	13020.0	13959.4	14904.8	15287.8	15676.7	15945.9	15754.5	15036.5	14312.5	13594.4	12870.4
40°	15311.7	16526.3	17747.0	18435.1	19117.2	19601.8	19260.8	18429.1	17591.4	16759.7	15922.0
42.5°	19595.9	21462.7	23329.5	24316.8	25298.1	26010.1	25627.2	24604.0	23580.9	22557.7	21534.5
45°	26213.6	28601.0	30994.4	32436.4	33884.4	34949.4	34506.7	33220.2	31927.8	30641.3	29354.9
47.5°	33136.5	35984.6	38832.7	39981.5	41136.4	42033.9	41926.2	40322.6	38719.0	37121.4	35517.9
50°	38162.6	40992.8	43822.9	44810.2	45803.5	46539.4	46264.2	44223.8	42177.5	40137.1	38090.8
52.5°	39837.9	42572.4	45312.8	46491.6	47670.3	48549.9	48214.8	45917.1	43619.5	41327.8	39030.2
55°	40615.8	43457.9	46300.1	47736.1	49178.1	50231.2	49746.6	47227.5	44702.5	42183.5	39658.4
57.5°	41585.1	44630.7	47676.3	49249.9	50823.6	51960.5	51314.2	48705.4	46096.7	43493.8	40885.1
60°	42315.1	45348.7	48388.3	49650.8	50919.3	51804.9	51182.6	48645.6	46102.6	43565.6	41028.7
62.5°	40699.6	43033.1	45366.7	46306.1	47245.5	47927.6	47574.6	45169.2	42763.9	40358.5	37953.2
65°	35368.3	36983.8	38605.3	39239.6	39867.9	40352.5	40244.8	38216.4	36188.0	34165.6	32137.2
67.5°	28541.2	29797.7	31060.2	31957.7	32861.2	33561.3	33483.5	31634.6	29785.7	27936.8	26087.9
70°	22234.6	23539.0	24843.4	25974.2	27111.1	27990.7	27877.0	26159.7	24436.5	22719.2	20996.0
72.5°	17764.9	19248.8	20732.7	21378.9	22025.2	22479.9	22144.8	20846.4	19542.0	18243.6	16939.2
75°	10788.2	11566.0	12349.9	12343.9	12343.9	12272.1	11937.0	11195.1	10453.1	9711.2	8969.2
77.5°	3213.1	3554.2	3895.2	4224.3	4559.4	4810.7	4744.9	4356.0	3961.1	3572.1	3177.2
80°	885.6	975.3	1071.0	1112.9	1154.8	1208.7	1346.3	1250.5	1154.8	1065.1	969.3
82.5°	227.4	227.4	227.4	221.4	215.4	203.4	185.5	173.5	161.6	149.6	137.6
85°	35.9	29.9	29.9	29.9	23.9	23.9	23.9	23.9	18.0	18.0	12.0
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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	59.8	59.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	47.9
5°	71.8	71.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	59.8
7.5°	89.8	89.8	83.8	83.8	83.8	83.8	77.8	77.8	77.8	77.8	71.8
10°	113.7	107.7	107.7	101.7	101.7	101.7	95.7	95.7	95.7	89.8	89.8
12.5°	143.6	137.6	137.6	131.6	125.7	125.7	119.7	113.7	107.7	107.7	101.7
15°	191.5	185.5	179.5	173.5	167.5	155.6	149.6	137.6	131.6	125.7	119.7
17.5°	365.0	335.1	305.2	275.2	251.3	227.4	203.4	179.5	167.5	155.6	143.6
20°	1017.2	879.6	747.9	616.3	532.5	448.8	365.0	281.2	245.3	215.4	179.5
22.5°	2201.9	1926.7	1657.4	1382.2	1160.8	945.4	724.0	502.6	418.8	341.1	257.3
25°	4092.7	3566.1	3045.6	2519.0	2100.2	1681.4	1262.5	843.7	688.1	532.5	377.0
27.5°	6073.2	5391.1	4709.0	4026.9	3362.7	2692.6	2022.4	1358.2	1089.0	825.7	556.5
30°	7599.0	6875.0	6157.0	5433.0	4595.3	3757.6	2913.9	2076.3	1651.4	1226.6	795.8
32.5°	8909.4	8125.6	7347.7	6563.9	5594.5	4625.2	3655.9	2686.6	2154.0	1621.5	1083.0
35°	10207.8	9316.3	8430.7	7539.2	6498.0	5456.9	4415.8	3374.7	2698.5	2022.4	1340.3
37.5°	11787.4	10698.4	9615.4	8532.4	7461.4	6396.3	5325.3	4254.2	3392.6	2537.0	1675.4
40°	14539.8	13151.7	11769.5	10381.3	9130.8	7886.2	6635.7	5385.1	4302.1	3219.1	2130.1
42.5°	19793.3	18052.1	16316.9	14575.7	12846.5	11117.3	9382.1	7652.9	6109.1	4571.4	3027.6
45°	27123.1	24891.2	22665.4	20433.6	18303.4	16179.3	14049.2	11919.1	9573.6	7228.0	4876.5
47.5°	33076.6	30629.4	28188.1	25740.9	23377.4	21019.9	18656.5	16293.0	13289.3	10291.6	7287.9
50°	35763.2	33429.6	31102.1	28768.5	26399.1	24023.6	21648.2	19278.7	15832.3	12391.8	8945.3
52.5°	36666.7	34297.3	31933.8	29564.3	27212.8	24861.3	22509.8	20158.3	16574.2	12996.1	9412.0
55°	37163.3	34662.2	32167.1	29666.0	27135.0	24598.0	22061.1	19530.0	15963.9	12403.7	8837.6
57.5°	38168.6	35446.1	32729.6	30007.1	27123.1	24239.0	21349.0	18465.0	14946.7	11428.4	7910.1
60°	38354.0	35673.4	32998.8	30324.2	27135.0	23945.8	20750.7	17561.5	14067.1	10578.8	7084.4
62.5°	35715.3	33477.5	31245.7	29007.9	25812.7	22617.5	19416.4	16221.2	12876.4	9531.7	6180.9
65°	30204.6	28271.9	26345.2	24412.6	21803.8	19201.0	16592.2	13983.4	10997.6	8017.8	5032.1
67.5°	24197.2	22306.4	20421.6	18530.8	16568.2	14611.6	12649.1	10686.5	8382.8	6079.2	3775.6
70°	19183.0	17364.0	15551.0	13732.1	11996.9	10255.7	8514.5	6779.3	5349.2	3925.2	2495.1
72.5°	15204.0	13462.8	11727.6	9986.4	8412.8	6839.1	5265.5	3691.8	2979.8	2273.7	1561.7
75°	8065.7	7162.2	6264.7	5361.2	4475.6	3584.1	2692.6	1807.0	1525.8	1244.6	957.4
77.5°	2782.3	2387.4	1998.5	1603.6	1334.3	1065.1	795.8	526.5	496.6	472.7	442.8
80°	843.7	718.0	592.4	466.7	412.9	359.0	305.2	251.3	233.4	215.4	191.5
82.5°	131.6	119.7	113.7	101.7	95.7	95.7	89.8	83.8	71.8	65.8	53.9
85°	12.0	6.0	6.0	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: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: P1067716

CATALOG NUMBER: NAV-SA4D-730-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	53.9	53.9
2.5°	47.9	47.9
5°	59.8	59.8
7.5°	71.8	71.8
10°	83.8	83.8
12.5°	95.7	95.7
15°	113.7	107.7
17.5°	131.6	125.7
20°	143.6	131.6
22.5°	173.5	149.6
25°	221.4	185.5
27.5°	287.2	227.4
30°	371.0	287.2
32.5°	550.5	400.9
35°	664.2	484.7
37.5°	813.8	562.4
40°	1047.1	682.1
42.5°	1483.9	927.4
45°	2531.0	1537.8
47.5°	4290.1	2620.8
50°	5498.8	3362.7
52.5°	5833.9	3566.1
55°	5277.4	3273.0
57.5°	4391.9	2782.3
60°	3596.1	2291.7
62.5°	2836.2	1813.0
65°	2046.3	1370.2
67.5°	1471.9	1053.1
70°	1071.0	825.7
72.5°	849.7	688.1
75°	676.1	574.4
77.5°	418.8	382.9
80°	173.5	161.6
82.5°	41.9	35.9
85°	0.0	0.0
87.5°	0.0	0.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P1067716

CATALOG NUMBER: NAV-SA4D-730-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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

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: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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



REPORT NUMBER: SP1-2407-184-4

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

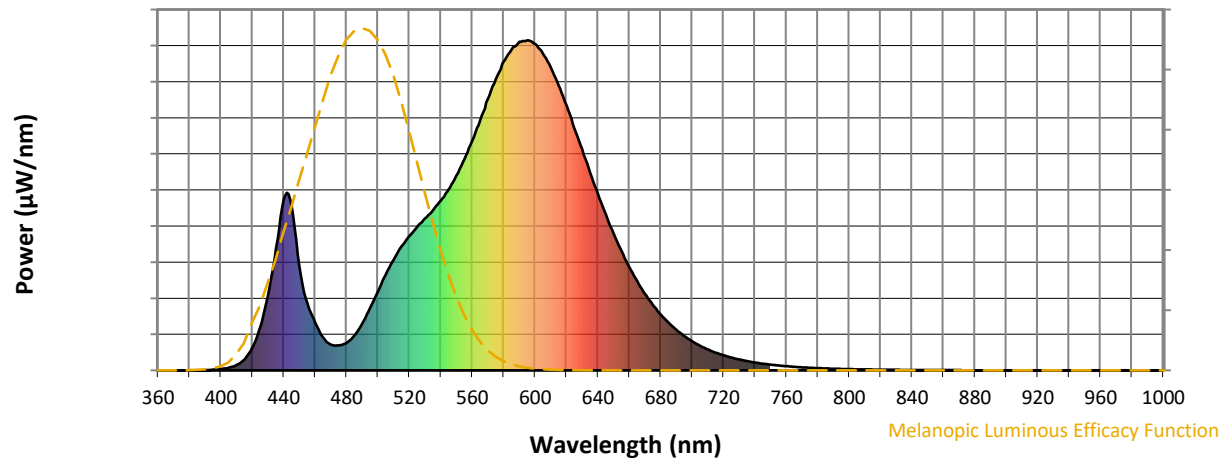


Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.13

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

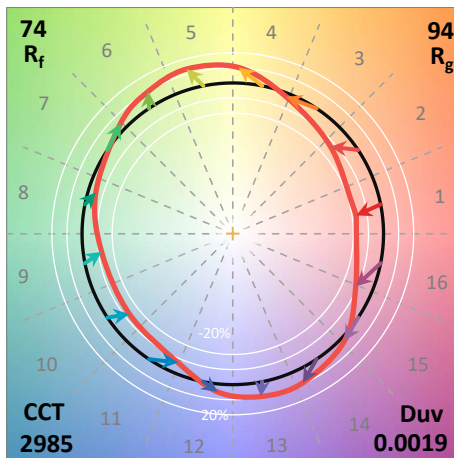
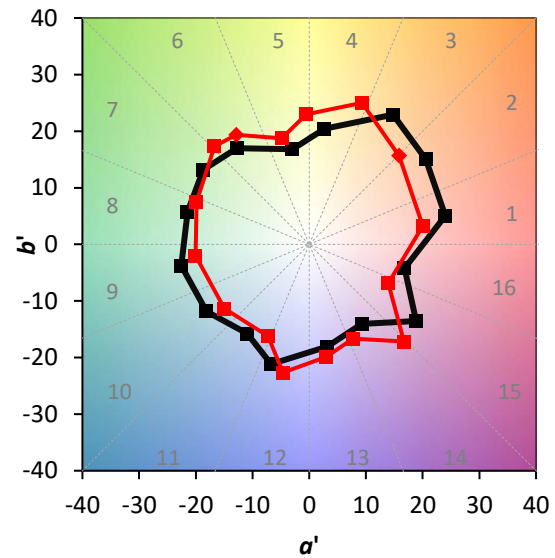
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

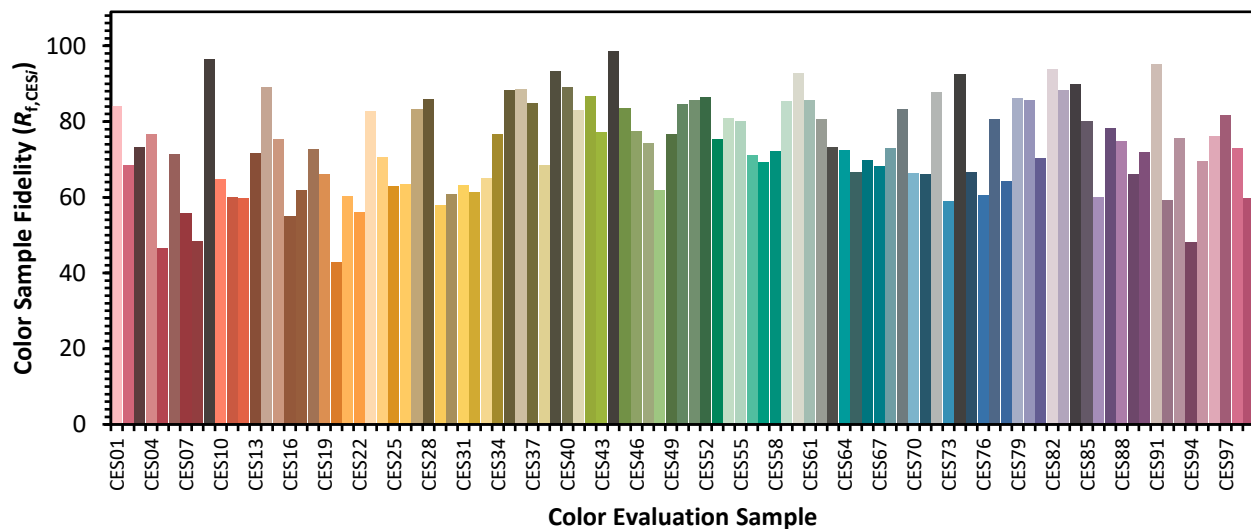


Color Vector Graphics

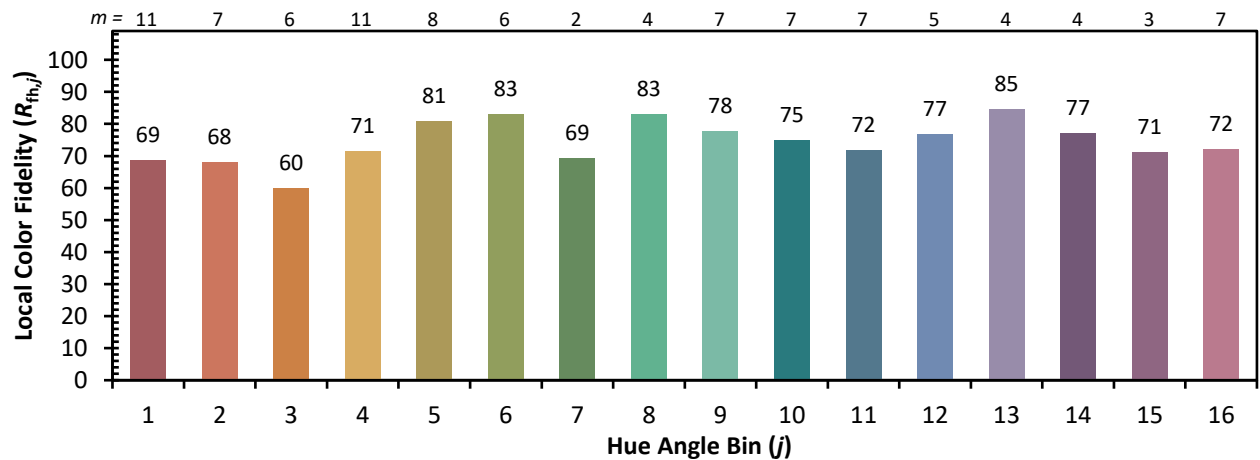
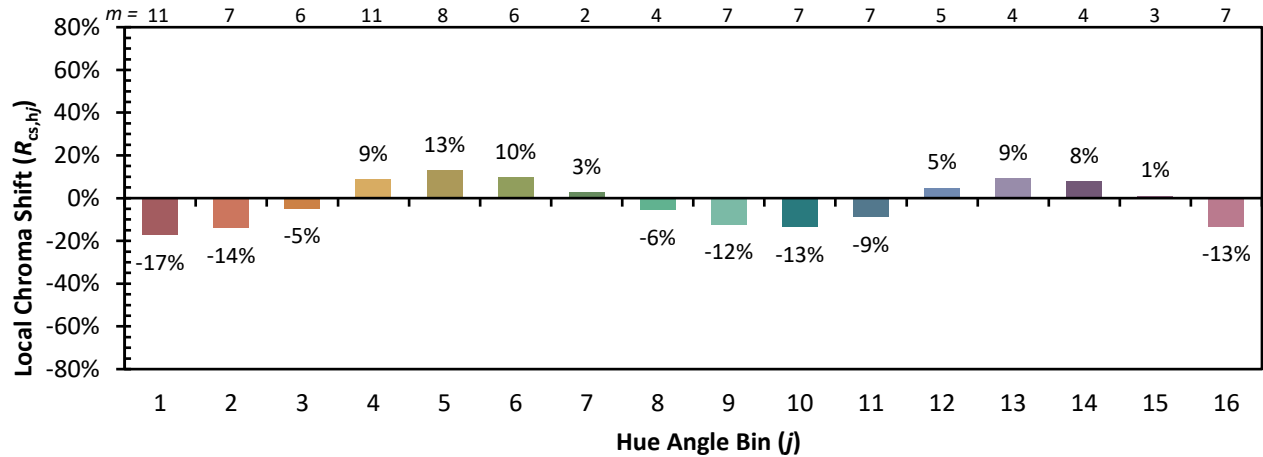


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)