

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: P1067692

Luminaire Tested: **NAV-SA4D-727-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067692
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-727-U-RBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17509.2 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

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

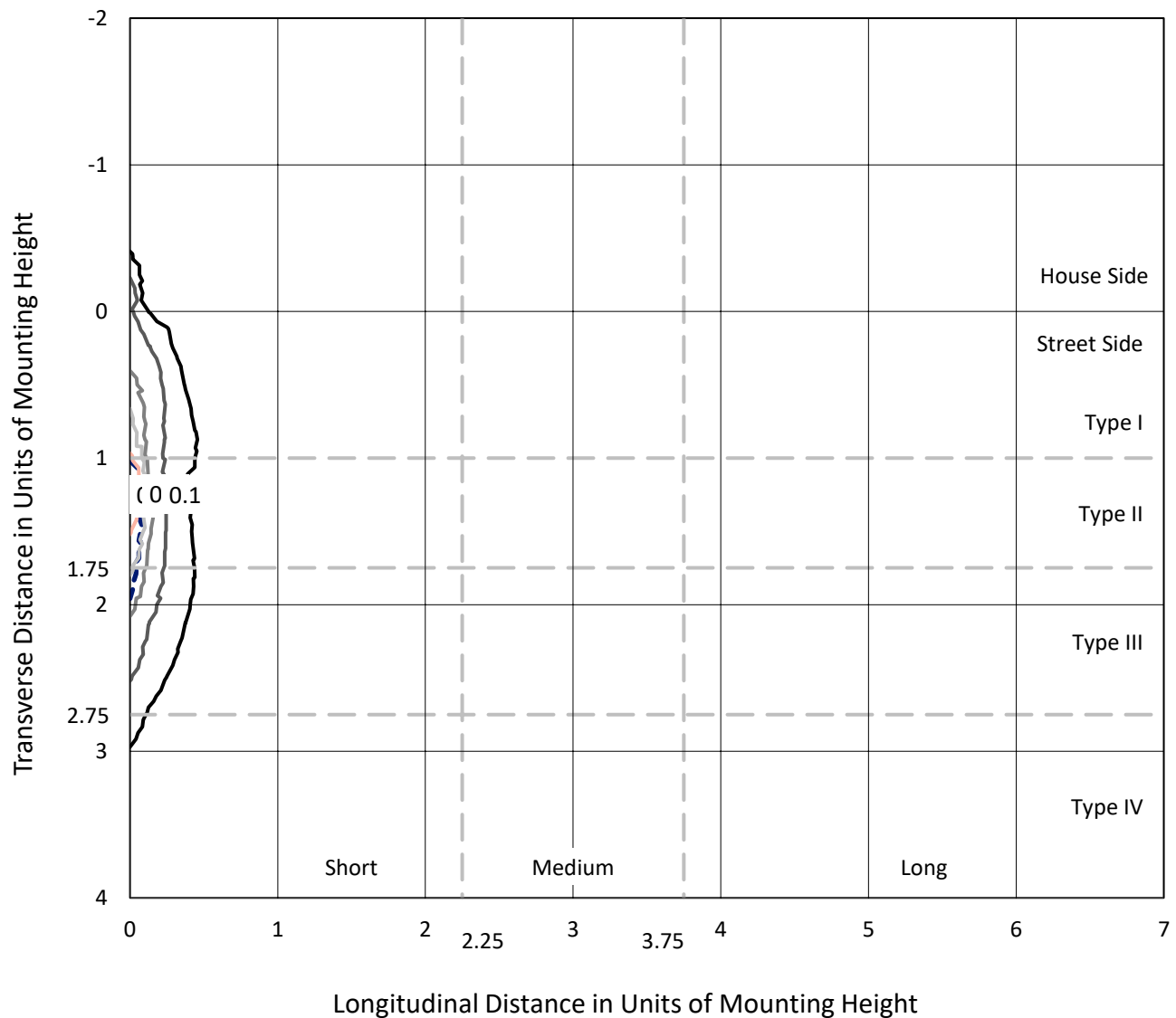


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

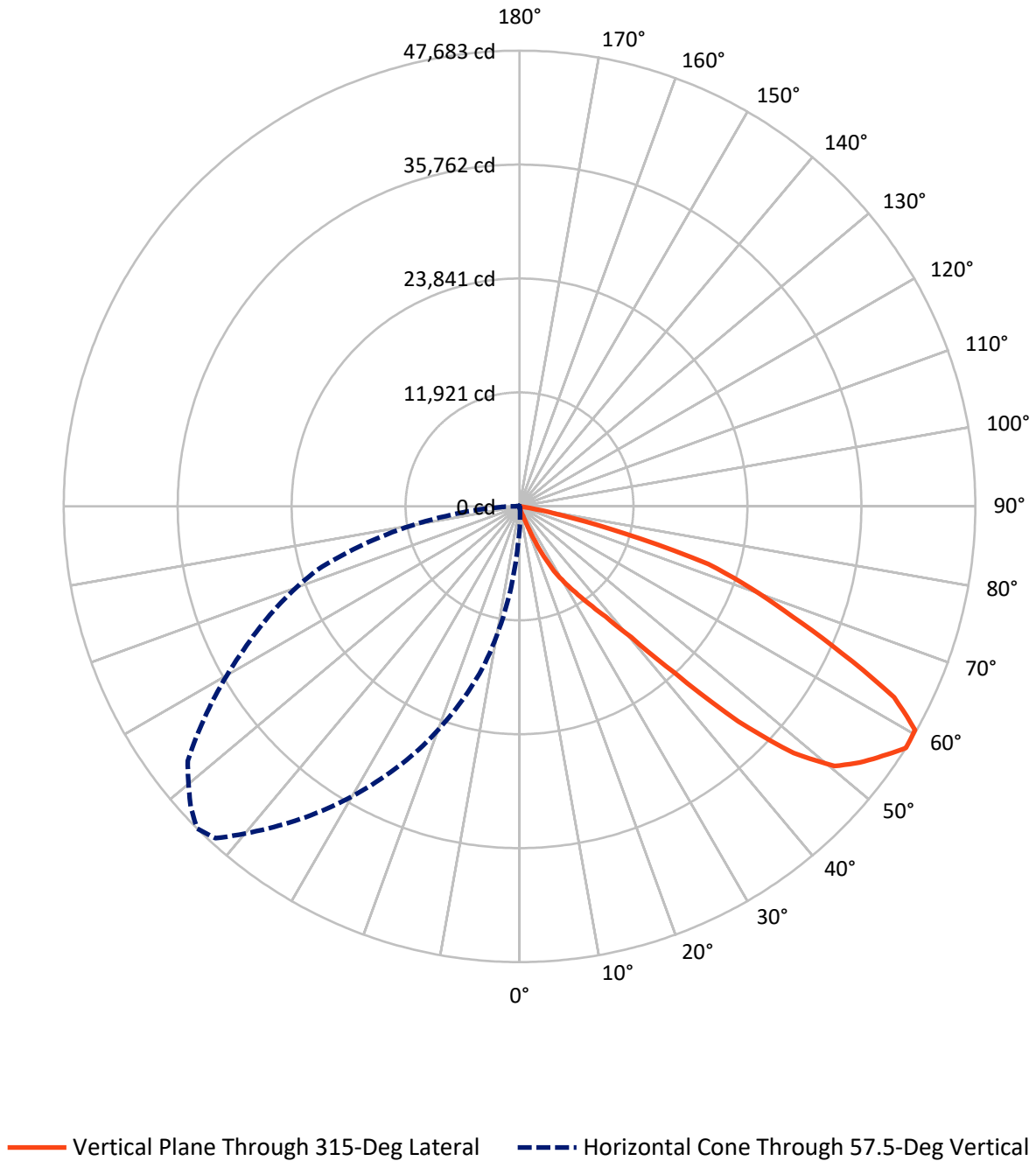


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.2	0.0	104.2
	% Fixture	0.6	0.0	0.6
Street Side	Lumens	17405.0	0.0	17405.0
	% Fixture	99.4	0.0	99.4
Total	Lumens	17509.2	0.0	17509.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.0
10°-20°	25.7	0.1
20°-30°	326.8	1.9
30°-40°	1101.4	6.3
40°-50°	3326.2	19.0
50°-60°	5868.5	33.5
60°-70°	5170.1	29.5
70°-80°	1645.8	9.4
80°-90°	39.6	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°	17509.2	100.0
0°-180°	17509.2	100.0



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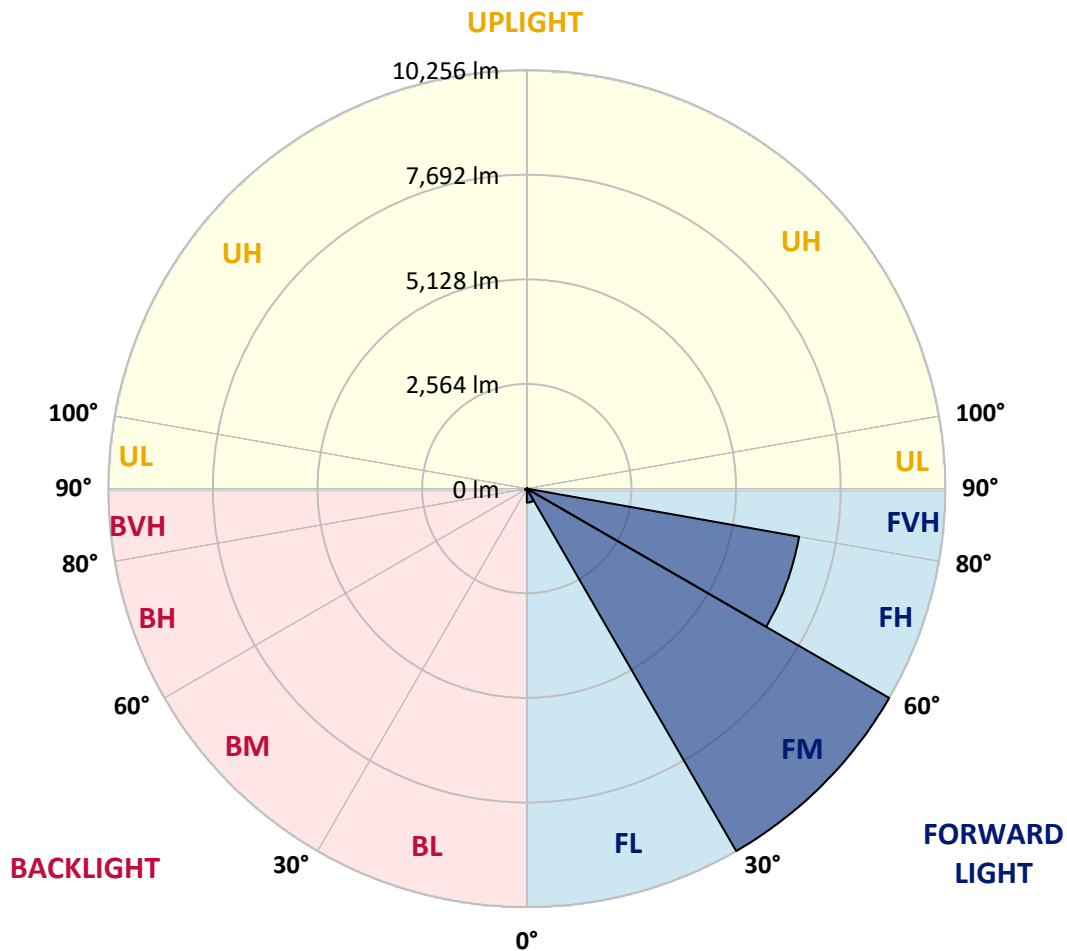
CATALOG NUMBER: NAV-SA4D-727-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	342.0	2.0			
FM	(30°-60°)	10255.7	58.6			
FH	(60°-80°)	6775.1	38.7			G3/7500
FVH	(80°-90°)	32.2	0.2			G1/100
BL	(0°-30°)	15.6	0.1	B0/110		
BM	(30°-60°)	40.4	0.2	B0/220		
BH	(60°-80°)	40.8	0.2	B0/110		G0/110
BVH	(80°-90°)	7.4	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°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	38.4
5°	54.9	54.9	54.9	49.4	49.4	49.4	43.9	43.9	43.9	43.9	43.9
7.5°	65.9	60.4	60.4	54.9	54.9	54.9	49.4	49.4	49.4	49.4	43.9
10°	76.9	71.4	71.4	65.9	65.9	60.4	60.4	54.9	54.9	49.4	49.4
12.5°	87.9	82.4	76.9	71.4	71.4	65.9	65.9	60.4	60.4	54.9	54.9
15°	98.8	93.3	87.9	82.4	76.9	76.9	71.4	65.9	60.4	60.4	54.9
17.5°	115.3	104.3	98.8	87.9	82.4	76.9	71.4	65.9	65.9	60.4	60.4
20°	120.8	109.8	104.3	93.3	87.9	82.4	76.9	71.4	65.9	65.9	60.4
22.5°	142.8	120.8	115.3	104.3	98.8	93.3	82.4	76.9	71.4	65.9	60.4
25°	175.7	142.8	126.3	109.8	104.3	93.3	87.9	76.9	71.4	65.9	60.4
27.5°	214.1	159.2	142.8	120.8	109.8	98.8	87.9	76.9	71.4	65.9	60.4
30°	263.6	186.7	159.2	131.8	120.8	109.8	93.3	82.4	76.9	71.4	60.4
32.5°	367.9	230.6	186.7	142.8	126.3	115.3	98.8	82.4	76.9	71.4	60.4
35°	444.8	280.0	225.1	164.7	142.8	126.3	104.3	82.4	76.9	71.4	60.4
37.5°	516.1	285.5	230.6	175.7	153.7	131.8	104.3	82.4	76.9	71.4	60.4
40°	631.4	296.5	230.6	164.7	148.3	126.3	109.8	87.9	82.4	71.4	65.9
42.5°	851.1	340.4	247.1	153.7	137.3	126.3	109.8	93.3	82.4	76.9	65.9
45°	1416.6	505.2	334.9	159.2	142.8	126.3	109.8	93.3	87.9	76.9	71.4
47.5°	2410.5	878.5	521.6	164.7	148.3	126.3	109.8	87.9	82.4	76.9	65.9
50°	3085.9	1125.6	658.9	192.2	164.7	142.8	115.3	87.9	82.4	76.9	71.4
52.5°	3278.0	1197.0	713.8	225.1	192.2	159.2	120.8	87.9	82.4	82.4	76.9
55°	3003.5	1164.1	713.8	263.6	219.6	181.2	137.3	93.3	87.9	87.9	82.4
57.5°	2553.3	1076.2	680.9	285.5	241.6	192.2	148.3	98.8	93.3	93.3	87.9
60°	2103.0	906.0	615.0	318.5	269.1	219.6	170.2	120.8	115.3	109.8	98.8
62.5°	1669.2	730.3	538.1	340.4	291.0	236.1	186.7	131.8	126.3	120.8	115.3
65°	1257.4	636.9	499.7	356.9	302.0	247.1	192.2	137.3	131.8	131.8	126.3
67.5°	966.4	582.0	477.7	367.9	313.0	258.1	203.2	148.3	142.8	137.3	131.8
70°	763.2	538.1	450.3	362.4	313.0	263.6	208.7	159.2	148.3	142.8	131.8
72.5°	636.9	488.7	417.3	345.9	307.5	269.1	230.6	192.2	170.2	153.7	131.8
75°	532.6	439.3	378.9	313.0	285.5	263.6	236.1	208.7	181.2	153.7	126.3
77.5°	351.4	318.5	291.0	263.6	247.1	230.6	208.7	192.2	164.7	142.8	115.3
80°	148.3	137.3	142.8	142.8	142.8	142.8	137.3	137.3	120.8	104.3	82.4
82.5°	32.9	27.5	32.9	32.9	32.9	32.9	27.5	27.5	27.5	22.0	22.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
5°	43.9	43.9	43.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
7.5°	43.9	43.9	43.9	38.4	38.4	38.4	38.4	32.9	32.9	32.9	32.9
10°	43.9	43.9	43.9	38.4	38.4	38.4	38.4	32.9	32.9	32.9	32.9
12.5°	49.4	49.4	43.9	43.9	38.4	38.4	38.4	32.9	32.9	32.9	32.9
15°	49.4	49.4	43.9	43.9	38.4	38.4	38.4	32.9	32.9	32.9	32.9
17.5°	54.9	49.4	49.4	43.9	38.4	38.4	38.4	32.9	32.9	32.9	32.9
20°	54.9	49.4	49.4	43.9	38.4	38.4	38.4	32.9	32.9	32.9	32.9
22.5°	54.9	49.4	49.4	43.9	38.4	38.4	32.9	32.9	27.5	27.5	22.0
25°	54.9	49.4	49.4	43.9	38.4	38.4	32.9	32.9	27.5	22.0	22.0
27.5°	54.9	49.4	49.4	43.9	38.4	32.9	32.9	27.5	22.0	16.5	16.5
30°	54.9	49.4	49.4	43.9	38.4	32.9	27.5	22.0	16.5	16.5	11.0
32.5°	54.9	49.4	43.9	38.4	32.9	27.5	27.5	22.0	16.5	11.0	11.0
35°	54.9	49.4	43.9	38.4	32.9	27.5	27.5	22.0	16.5	11.0	11.0
37.5°	54.9	49.4	43.9	38.4	32.9	27.5	22.0	16.5	11.0	11.0	5.5
40°	54.9	49.4	43.9	38.4	32.9	27.5	22.0	16.5	11.0	11.0	5.5
42.5°	54.9	49.4	43.9	38.4	32.9	27.5	22.0	16.5	11.0	11.0	5.5
45°	60.4	54.9	49.4	38.4	32.9	27.5	27.5	22.0	16.5	11.0	11.0
47.5°	60.4	54.9	49.4	38.4	32.9	27.5	27.5	22.0	16.5	11.0	11.0
50°	65.9	60.4	54.9	43.9	38.4	32.9	27.5	16.5	11.0	11.0	5.5
52.5°	71.4	65.9	60.4	54.9	49.4	38.4	27.5	16.5	5.5	5.5	5.5
55°	76.9	71.4	71.4	65.9	60.4	43.9	32.9	16.5	0.0	0.0	0.0
57.5°	82.4	76.9	76.9	71.4	65.9	49.4	32.9	16.5	0.0	0.0	0.0
60°	93.3	87.9	82.4	71.4	65.9	49.4	32.9	16.5	0.0	0.0	0.0
62.5°	109.8	98.8	82.4	71.4	54.9	43.9	27.5	16.5	0.0	0.0	0.0
65°	120.8	104.3	87.9	65.9	49.4	38.4	27.5	11.0	0.0	0.0	0.0
67.5°	126.3	104.3	87.9	65.9	43.9	32.9	22.0	11.0	0.0	0.0	0.0
70°	120.8	98.8	82.4	60.4	38.4	27.5	22.0	11.0	0.0	0.0	0.0
72.5°	109.8	93.3	71.4	54.9	32.9	27.5	16.5	11.0	0.0	0.0	0.0
75°	98.8	82.4	60.4	43.9	22.0	16.5	11.0	5.5	0.0	0.0	0.0
77.5°	87.9	71.4	49.4	32.9	11.0	11.0	5.5	5.5	0.0	0.0	0.0
80°	65.9	49.4	32.9	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.5	11.0	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
5°	32.9	32.9	32.9	32.9	27.5	27.5	27.5	27.5	27.5	27.5	27.5
7.5°	32.9	32.9	32.9	32.9	27.5	27.5	27.5	27.5	22.0	22.0	22.0
10°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	22.0	22.0	22.0
12.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	22.0	22.0	22.0
15°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	22.0	22.0	16.5	16.5
17.5°	27.5	27.5	27.5	27.5	22.0	22.0	22.0	16.5	16.5	11.0	11.0
20°	27.5	27.5	27.5	22.0	22.0	16.5	16.5	11.0	11.0	5.5	5.5
22.5°	22.0	16.5	16.5	11.0	11.0	5.5	5.5	5.5	0.0	0.0	0.0
25°	16.5	11.0	11.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	11.0	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	11.0	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5.5	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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	32.9	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
5°	27.5	27.5	27.5	27.5	22.0	22.0	22.0	22.0	22.0	22.0	22.0
7.5°	22.0	22.0	22.0	22.0	22.0	22.0	16.5	16.5	16.5	16.5	16.5
10°	22.0	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	11.0	11.0
12.5°	22.0	16.5	16.5	16.5	11.0	11.0	11.0	11.0	11.0	5.5	5.5
15°	16.5	11.0	11.0	11.0	5.5	5.5	5.5	5.5	5.5	0.0	0.0
17.5°	11.0	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	5.5	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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	32.9	32.9
5°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
7.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
10°	11.0	11.0	11.0	11.0	11.0	11.0	5.5	5.5	5.5	5.5	5.5
12.5°	5.5	5.5	5.5	5.5	5.5	5.5	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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	32.9	32.9	32.9	32.9	32.9	38.4	38.4	43.9	43.9	49.4	49.4
5°	22.0	22.0	27.5	27.5	27.5	27.5	32.9	32.9	32.9	38.4	38.4
7.5°	16.5	16.5	16.5	16.5	16.5	22.0	22.0	27.5	27.5	32.9	32.9
10°	5.5	5.5	11.0	11.0	11.0	11.0	16.5	16.5	16.5	22.0	27.5
12.5°	0.0	0.0	5.5	5.5	5.5	5.5	11.0	11.0	11.0	16.5	22.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	11.0	16.5
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	11.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	54.9	54.9	60.4	60.4	65.9	65.9	71.4	71.4	71.4	71.4	71.4
5°	43.9	43.9	49.4	54.9	54.9	60.4	65.9	65.9	65.9	65.9	65.9
7.5°	38.4	38.4	43.9	49.4	49.4	54.9	60.4	60.4	65.9	65.9	65.9
10°	27.5	32.9	38.4	43.9	43.9	49.4	54.9	54.9	60.4	60.4	60.4
12.5°	22.0	27.5	32.9	38.4	38.4	43.9	49.4	49.4	54.9	54.9	60.4
15°	16.5	22.0	27.5	32.9	32.9	38.4	43.9	43.9	49.4	54.9	60.4
17.5°	11.0	16.5	22.0	27.5	27.5	32.9	38.4	43.9	49.4	49.4	54.9
20°	11.0	11.0	16.5	22.0	22.0	27.5	32.9	38.4	43.9	43.9	49.4
22.5°	5.5	5.5	11.0	16.5	16.5	22.0	27.5	32.9	38.4	38.4	43.9
25°	0.0	0.0	5.5	11.0	11.0	16.5	22.0	22.0	27.5	27.5	32.9
27.5°	0.0	0.0	5.5	5.5	11.0	11.0	16.5	16.5	22.0	22.0	27.5
30°	0.0	0.0	5.5	5.5	11.0	11.0	16.5	16.5	22.0	22.0	22.0
32.5°	0.0	0.0	0.0	5.5	5.5	5.5	11.0	11.0	16.5	16.5	22.0
35°	0.0	0.0	0.0	5.5	5.5	5.5	11.0	11.0	16.5	16.5	16.5
37.5°	0.0	0.0	0.0	5.5	5.5	5.5	11.0	11.0	11.0	11.0	16.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
55°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	11.0	11.0	11.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	11.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.5	5.5	5.5	5.5
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	71.4	71.4
5°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	65.9	65.9
7.5°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	65.9	65.9
10°	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
12.5°	60.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
15°	60.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
17.5°	54.9	60.4	60.4	60.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9
20°	49.4	54.9	54.9	54.9	60.4	60.4	60.4	60.4	65.9	65.9	65.9
22.5°	43.9	49.4	49.4	49.4	54.9	54.9	54.9	54.9	60.4	60.4	60.4
25°	38.4	38.4	43.9	43.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4
27.5°	27.5	32.9	32.9	32.9	38.4	38.4	38.4	38.4	43.9	43.9	43.9
30°	27.5	27.5	27.5	27.5	32.9	32.9	32.9	32.9	38.4	38.4	38.4
32.5°	22.0	27.5	27.5	27.5	32.9	32.9	32.9	32.9	38.4	38.4	38.4
35°	22.0	22.0	22.0	22.0	27.5	27.5	27.5	27.5	32.9	32.9	32.9
37.5°	16.5	22.0	22.0	22.0	27.5	27.5	27.5	27.5	32.9	32.9	32.9
40°	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0	27.5	27.5	27.5
42.5°	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0	27.5	27.5	27.5
45°	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0	27.5	27.5	27.5
47.5°	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0	27.5	27.5	27.5
50°	16.5	16.5	16.5	16.5	22.0	22.0	22.0	22.0	27.5	27.5	27.5
52.5°	11.0	11.0	11.0	11.0	16.5	16.5	16.5	16.5	22.0	22.0	22.0
55°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.5	16.5	16.5
57.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.5	16.5	16.5
60°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
62.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
65°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	5.5	5.5
67.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
70°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
72.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
75°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
77.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
80°	16.5	16.5	16.5	16.5	16.5	11.0	11.0	11.0	11.0	11.0	11.0
82.5°	11.0	16.5	16.5	16.5	16.5	11.0	11.0	11.0	11.0	11.0	11.0
85°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
87.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	71.4	71.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	71.4	71.4
5°	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	71.4	71.4
7.5°	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	71.4	71.4
10°	65.9	65.9	65.9	65.9	60.4	60.4	65.9	65.9	65.9	71.4	71.4
12.5°	65.9	65.9	65.9	65.9	60.4	60.4	65.9	65.9	71.4	71.4	76.9
15°	65.9	65.9	60.4	60.4	60.4	60.4	65.9	65.9	71.4	71.4	76.9
17.5°	65.9	65.9	60.4	60.4	60.4	60.4	65.9	65.9	71.4	71.4	76.9
20°	65.9	65.9	60.4	60.4	60.4	60.4	60.4	60.4	65.9	71.4	71.4
22.5°	60.4	60.4	60.4	60.4	54.9	54.9	60.4	60.4	65.9	71.4	71.4
25°	49.4	54.9	54.9	54.9	54.9	54.9	60.4	60.4	65.9	71.4	71.4
27.5°	43.9	49.4	49.4	49.4	49.4	54.9	54.9	60.4	65.9	71.4	71.4
30°	38.4	43.9	43.9	43.9	49.4	54.9	54.9	60.4	65.9	71.4	71.4
32.5°	38.4	43.9	43.9	43.9	49.4	49.4	54.9	54.9	60.4	65.9	71.4
35°	38.4	38.4	43.9	43.9	43.9	49.4	49.4	54.9	60.4	65.9	71.4
37.5°	38.4	38.4	43.9	43.9	43.9	49.4	49.4	54.9	60.4	65.9	71.4
40°	32.9	38.4	38.4	43.9	43.9	49.4	49.4	54.9	60.4	71.4	76.9
42.5°	32.9	32.9	38.4	38.4	43.9	49.4	49.4	54.9	60.4	71.4	76.9
45°	32.9	38.4	38.4	43.9	49.4	54.9	54.9	60.4	65.9	71.4	76.9
47.5°	32.9	38.4	38.4	43.9	54.9	54.9	60.4	60.4	65.9	71.4	76.9
50°	32.9	38.4	38.4	43.9	60.4	60.4	60.4	60.4	65.9	71.4	76.9
52.5°	27.5	32.9	32.9	38.4	49.4	54.9	60.4	65.9	71.4	76.9	82.4
55°	22.0	27.5	27.5	32.9	43.9	49.4	60.4	71.4	76.9	82.4	87.9
57.5°	22.0	22.0	27.5	27.5	38.4	49.4	65.9	76.9	82.4	87.9	93.3
60°	16.5	16.5	22.0	22.0	32.9	43.9	60.4	76.9	82.4	93.3	98.8
62.5°	11.0	16.5	16.5	22.0	27.5	43.9	60.4	76.9	87.9	98.8	104.3
65°	11.0	11.0	16.5	16.5	27.5	38.4	54.9	65.9	82.4	98.8	115.3
67.5°	16.5	16.5	22.0	22.0	27.5	38.4	54.9	65.9	82.4	104.3	120.8
70°	16.5	16.5	22.0	22.0	32.9	43.9	54.9	65.9	82.4	104.3	120.8
72.5°	16.5	16.5	22.0	22.0	32.9	38.4	49.4	60.4	76.9	93.3	109.8
75°	11.0	16.5	16.5	16.5	27.5	32.9	43.9	54.9	71.4	87.9	104.3
77.5°	11.0	11.0	11.0	11.0	22.0	27.5	38.4	43.9	60.4	76.9	93.3
80°	11.0	11.0	11.0	11.0	16.5	22.0	32.9	38.4	54.9	71.4	87.9
82.5°	11.0	11.0	5.5	5.5	11.0	16.5	22.0	27.5	43.9	54.9	71.4
85°	11.0	11.0	5.5	5.5	5.5	11.0	11.0	16.5	22.0	27.5	32.9
87.5°	11.0	11.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	71.4	71.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
5°	71.4	76.9	76.9	82.4	82.4	82.4	87.9	87.9	87.9	87.9	87.9
7.5°	71.4	76.9	76.9	82.4	82.4	82.4	87.9	87.9	87.9	93.3	93.3
10°	71.4	76.9	76.9	82.4	82.4	87.9	93.3	93.3	98.8	98.8	98.8
12.5°	76.9	82.4	82.4	87.9	87.9	93.3	98.8	98.8	104.3	109.8	109.8
15°	76.9	82.4	87.9	87.9	93.3	98.8	104.3	104.3	109.8	115.3	120.8
17.5°	76.9	82.4	87.9	87.9	93.3	98.8	109.8	115.3	120.8	131.8	137.3
20°	76.9	82.4	87.9	87.9	93.3	104.3	109.8	120.8	126.3	137.3	148.3
22.5°	76.9	82.4	87.9	93.3	98.8	109.8	120.8	126.3	137.3	153.7	164.7
25°	76.9	82.4	87.9	93.3	98.8	109.8	120.8	131.8	142.8	164.7	186.7
27.5°	76.9	82.4	93.3	98.8	104.3	115.3	131.8	142.8	153.7	192.2	230.6
30°	76.9	82.4	93.3	98.8	104.3	120.8	137.3	148.3	164.7	230.6	291.0
32.5°	76.9	87.9	93.3	104.3	109.8	126.3	148.3	164.7	181.2	274.5	362.4
35°	76.9	87.9	93.3	104.3	109.8	131.8	153.7	175.7	197.7	334.9	472.2
37.5°	76.9	87.9	93.3	104.3	109.8	142.8	175.7	208.7	241.6	384.4	527.1
40°	82.4	93.3	98.8	109.8	115.3	148.3	181.2	214.1	247.1	389.9	532.6
42.5°	82.4	93.3	98.8	109.8	115.3	142.8	175.7	203.2	230.6	389.9	549.1
45°	82.4	93.3	104.3	109.8	120.8	148.3	175.7	197.7	225.1	428.3	626.0
47.5°	82.4	93.3	104.3	109.8	120.8	148.3	175.7	203.2	230.6	565.6	895.0
50°	82.4	93.3	104.3	109.8	120.8	153.7	186.7	219.6	252.6	845.6	1438.6
52.5°	87.9	93.3	104.3	109.8	115.3	153.7	192.2	230.6	269.1	1098.2	1921.8
55°	93.3	98.8	104.3	109.8	115.3	164.7	214.1	263.6	313.0	1180.5	2042.6
57.5°	98.8	104.3	109.8	109.8	115.3	175.7	241.6	302.0	362.4	1175.0	1982.2
60°	104.3	109.8	115.3	120.8	126.3	186.7	252.6	313.0	373.4	1065.2	1757.1
62.5°	115.3	126.3	137.3	142.8	153.7	214.1	269.1	329.5	384.4	873.0	1356.2
65°	131.8	142.8	148.3	159.2	164.7	219.6	280.0	334.9	389.9	724.8	1054.2
67.5°	137.3	148.3	153.7	164.7	170.2	225.1	280.0	334.9	389.9	615.0	834.6
70°	137.3	148.3	159.2	164.7	175.7	230.6	280.0	334.9	384.4	532.6	680.9
72.5°	126.3	142.8	153.7	170.2	181.2	230.6	274.5	324.0	367.9	472.2	576.5
75°	120.8	142.8	159.2	181.2	197.7	230.6	269.1	302.0	334.9	411.8	488.7
77.5°	109.8	137.3	164.7	192.2	219.6	241.6	258.1	280.0	296.5	345.9	395.3
80°	104.3	131.8	159.2	186.7	214.1	225.1	230.6	241.6	247.1	252.6	258.1
82.5°	82.4	104.3	126.3	142.8	164.7	153.7	148.3	137.3	126.3	120.8	115.3
85°	38.4	43.9	43.9	49.4	49.4	49.4	43.9	43.9	38.4	32.9	27.5
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	76.9	76.9	76.9	76.9	71.4	71.4	71.4	71.4	65.9	65.9	65.9
5°	87.9	87.9	87.9	87.9	82.4	82.4	82.4	82.4	76.9	76.9	76.9
7.5°	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
10°	104.3	104.3	104.3	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8
12.5°	115.3	115.3	120.8	120.8	126.3	126.3	131.8	131.8	137.3	137.3	137.3
15°	126.3	131.8	137.3	142.8	142.8	148.3	153.7	159.2	164.7	170.2	175.7
17.5°	148.3	153.7	164.7	175.7	186.7	197.7	214.1	236.1	252.6	269.1	291.0
20°	164.7	181.2	214.1	252.6	285.5	318.5	400.8	483.2	565.6	647.9	730.3
22.5°	197.7	230.6	340.4	455.7	565.6	675.4	933.4	1191.5	1444.1	1702.2	1932.8
25°	263.6	334.9	587.5	840.1	1087.2	1339.8	1801.0	2267.7	2729.0	3190.2	3618.5
27.5°	362.4	494.2	906.0	1323.3	1735.1	2146.9	2816.8	3492.2	4162.1	4837.5	5436.0
30°	505.2	719.3	1334.3	1954.7	2569.7	3184.7	4030.3	4881.4	5727.0	6572.6	7121.7
32.5°	686.4	1004.8	1784.5	2564.2	3343.9	4123.6	5057.1	5990.5	6918.5	7851.9	8434.0
35°	878.5	1284.9	2223.8	3168.2	4107.2	5051.6	6034.5	7017.3	8000.2	8983.1	9696.9
37.5°	988.4	1449.6	2564.2	3678.9	4788.0	5902.7	6978.9	8060.6	9136.8	10213.0	11080.6
40°	1092.7	1647.3	2932.1	4217.0	5501.8	6786.7	8044.1	9301.5	10558.9	11816.3	12931.0
42.5°	1246.4	1943.8	3442.8	4941.8	6435.3	7934.3	9587.1	11245.3	12898.0	14550.8	16264.0
45°	1564.9	2503.8	4447.6	6391.4	8329.6	10273.4	12618.0	14968.1	17312.7	19662.8	21859.1
47.5°	2333.6	3766.7	6418.8	9070.9	11723.0	14375.1	17076.6	19778.1	22479.6	25181.1	27794.8
50°	3613.0	5781.9	9098.4	12414.9	15725.8	19042.3	21738.3	24434.4	27124.9	29820.9	32418.1
52.5°	4815.5	7709.2	11272.8	14841.8	18405.4	21974.5	24363.0	26751.5	29140.0	31528.6	34043.4
55°	5227.3	8406.5	12014.0	15627.0	19234.5	22847.5	25148.2	27454.3	29755.0	32055.7	34663.9
57.5°	4864.9	7747.6	11382.6	15017.5	18647.0	22281.9	24851.7	27426.9	29996.6	32571.8	35366.7
60°	4074.2	6385.9	10202.0	14023.7	17839.8	21656.0	24555.2	27454.3	30353.5	33252.7	36042.1
62.5°	3228.6	5095.5	9136.8	13178.1	17219.4	21260.6	24209.2	27163.3	30111.9	33060.5	35202.0
65°	2476.4	3898.5	7873.9	11854.8	15830.2	19811.1	22227.0	24648.5	27064.5	29486.0	30968.5
67.5°	1839.4	2844.3	6320.0	9801.2	13276.9	16752.6	18531.7	20316.2	22095.3	23879.8	25032.9
70°	1356.2	2026.1	4392.7	6759.3	9120.3	11486.9	13117.7	14748.5	16373.8	18004.6	19201.6
72.5°	938.9	1295.8	2712.5	4134.6	5551.3	6967.9	8620.7	10273.4	11920.7	13573.4	14935.2
75°	642.4	796.2	1460.6	2125.0	2789.4	3453.8	4705.7	5957.6	7209.5	8461.4	9180.7
77.5°	477.7	560.1	757.7	960.9	1158.6	1356.2	1597.8	1839.4	2081.0	2322.6	2635.6
80°	263.6	263.6	291.0	313.0	340.4	362.4	428.3	499.7	565.6	636.9	724.8
82.5°	120.8	126.3	137.3	148.3	153.7	164.7	175.7	186.7	197.7	208.7	208.7
85°	32.9	38.4	38.4	32.9	32.9	27.5	27.5	32.9	32.9	32.9	32.9
87.5°	5.5	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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	65.9	60.4	60.4	60.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9
5°	76.9	76.9	76.9	76.9	71.4	71.4	71.4	71.4	71.4	65.9	65.9
7.5°	93.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	82.4	82.4
10°	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	104.3	104.3
12.5°	137.3	137.3	137.3	137.3	142.8	142.8	137.3	137.3	137.3	131.8	131.8
15°	181.2	186.7	192.2	192.2	197.7	197.7	197.7	192.2	192.2	186.7	181.2
17.5°	307.5	324.0	345.9	367.9	389.9	406.3	406.3	395.3	384.4	373.4	362.4
20°	818.1	900.5	988.4	1076.2	1169.6	1235.4	1191.5	1158.6	1125.6	1087.2	1054.2
22.5°	2168.9	2399.5	2635.6	2800.3	2965.1	3080.4	2987.0	2805.8	2624.6	2448.9	2267.7
25°	4046.8	4469.6	4897.9	5073.6	5254.8	5386.5	5326.1	5051.6	4777.1	4508.0	4233.5
27.5°	6034.5	6627.5	7226.0	7379.7	7533.5	7648.8	7626.8	7269.9	6913.0	6556.1	6199.2
30°	7670.7	8219.8	8768.9	8922.7	9076.4	9180.7	9065.4	8708.5	8351.6	7994.7	7637.8
32.5°	9021.5	9603.5	10191.1	10394.2	10597.4	10734.6	10597.4	10169.1	9740.8	9318.0	8889.7
35°	10410.7	11119.0	11832.8	12090.9	12349.0	12513.7	12283.1	11755.9	11228.8	10707.2	10180.1
37.5°	11948.1	12810.2	13677.8	14029.2	14386.1	14633.2	14457.5	13798.6	13134.2	12475.3	11810.9
40°	14051.1	15165.8	16285.9	16917.4	17543.3	17988.1	17675.1	16911.9	16143.2	15379.9	14611.2
42.5°	17982.6	19695.7	21408.9	22314.9	23215.4	23868.8	23517.4	22578.4	21639.5	20700.6	19761.6
45°	24055.5	26246.3	28442.7	29766.0	31094.8	32072.2	31665.8	30485.3	29299.3	28118.7	26938.2
47.5°	30408.4	33022.1	35635.7	36690.0	37749.7	38573.3	38474.5	37003.0	35531.4	34065.3	32593.8
50°	35020.8	37617.9	40215.1	41121.1	42032.6	42708.0	42455.4	40583.0	38705.1	36832.7	34954.9
52.5°	36558.2	39067.5	41582.3	42664.0	43745.7	44552.9	44245.4	42136.9	40028.4	37925.4	35816.9
55°	37272.0	39880.2	42488.3	43806.1	45129.4	46095.8	45651.1	43339.4	41022.3	38710.6	36393.5
57.5°	38161.5	40956.4	43751.2	45195.3	46639.4	47682.7	47089.7	44695.7	42301.6	39913.1	37519.1
60°	38831.4	41615.3	44404.7	45563.2	46727.3	47539.9	46968.9	44640.8	42307.1	39979.0	37650.9
62.5°	37348.9	39490.3	41631.8	42493.8	43355.9	43981.9	43657.9	41450.6	39243.2	37035.9	34828.6
65°	32456.5	33939.1	35427.1	36009.1	36585.7	37030.4	36931.6	35070.2	33208.8	31352.9	29491.5
67.5°	26191.4	27344.5	28503.1	29326.7	30155.8	30798.3	30726.9	29030.2	27333.5	25636.9	23940.2
70°	20404.1	21601.1	22798.1	23835.9	24879.1	25686.3	25582.0	24006.1	22424.7	20848.8	19267.5
72.5°	16302.4	17664.1	19025.9	19618.9	20211.9	20629.2	20321.7	19130.2	17933.2	16741.7	15544.6
75°	9900.0	10613.8	11333.2	11327.7	11327.7	11261.8	10954.3	10273.4	9592.5	8911.7	8230.8
77.5°	2948.6	3261.6	3574.6	3876.6	4184.0	4414.7	4354.3	3997.4	3635.0	3278.0	2915.7
80°	812.6	895.0	982.9	1021.3	1059.7	1109.2	1235.4	1147.6	1059.7	977.4	889.5
82.5°	208.7	208.7	208.7	203.2	197.7	186.7	170.2	159.2	148.3	137.3	126.3
85°	32.9	27.5	27.5	27.5	22.0	22.0	22.0	22.0	16.5	16.5	11.0
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2.5°	54.9	54.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	43.9
5°	65.9	65.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	54.9
7.5°	82.4	82.4	76.9	76.9	76.9	76.9	71.4	71.4	71.4	71.4	65.9
10°	104.3	98.8	98.8	93.3	93.3	93.3	87.9	87.9	87.9	82.4	82.4
12.5°	131.8	126.3	126.3	120.8	115.3	115.3	109.8	104.3	98.8	98.8	93.3
15°	175.7	170.2	164.7	159.2	153.7	142.8	137.3	126.3	120.8	115.3	109.8
17.5°	334.9	307.5	280.0	252.6	230.6	208.7	186.7	164.7	153.7	142.8	131.8
20°	933.4	807.2	686.4	565.6	488.7	411.8	334.9	258.1	225.1	197.7	164.7
22.5°	2020.6	1768.1	1521.0	1268.4	1065.2	867.6	664.4	461.2	384.4	313.0	236.1
25°	3755.8	3272.6	2794.9	2311.7	1927.3	1542.9	1158.6	774.2	631.4	488.7	345.9
27.5°	5573.2	4947.3	4321.3	3695.4	3085.9	2470.9	1855.9	1246.4	999.3	757.7	510.7
30°	6973.4	6309.0	5650.1	4985.7	4217.0	3448.3	2674.1	1905.3	1515.5	1125.6	730.3
32.5°	8175.9	7456.6	6742.8	6023.5	5134.0	4244.4	3354.9	2465.4	1976.7	1488.0	993.8
35°	9367.4	8549.3	7736.6	6918.5	5963.1	5007.7	4052.3	3096.8	2476.4	1855.9	1230.0
37.5°	10817.0	9817.7	8823.8	7830.0	6847.1	5869.7	4886.9	3904.0	3113.3	2328.1	1537.4
40°	13342.8	12068.9	10800.5	9526.7	8379.1	7237.0	6089.4	4941.8	3947.9	2954.1	1954.7
42.5°	18163.8	16565.9	14973.6	13375.8	11788.9	10202.0	8609.7	7022.8	5606.2	4195.0	2778.4
45°	24890.1	22842.0	20799.4	18751.3	16796.6	14847.3	12892.6	10937.8	8785.4	6633.0	4475.1
47.5°	30353.5	28107.8	25867.5	23621.7	21452.8	19289.4	17120.5	14951.6	12195.2	9444.3	6687.9
50°	32818.9	30677.5	28541.5	26400.1	24225.7	22045.8	19866.0	17691.6	14528.8	11371.6	8208.8
52.5°	33648.0	31473.7	29304.8	27130.4	24972.5	22814.6	20656.6	18498.7	15209.7	11926.2	8637.1
55°	34103.8	31808.6	29518.9	27223.7	24901.1	22573.0	20244.8	17922.2	14649.6	11382.6	8110.0
57.5°	35026.2	32527.9	30035.0	27536.7	24890.1	22243.5	19591.4	16944.8	13716.2	10487.6	7258.9
60°	35196.5	32736.6	30282.1	27827.7	24901.1	21974.5	19042.3	16115.7	12909.0	9707.9	6501.2
62.5°	32775.0	30721.4	28673.3	26619.7	23687.6	20755.5	17817.9	14885.7	11816.3	8747.0	5672.1
65°	27717.9	25944.4	24176.3	22402.7	20008.7	17620.2	15226.2	12832.2	10092.2	7357.8	4617.8
67.5°	22205.1	20470.0	18740.3	17005.2	15204.2	13408.7	11607.7	9806.7	7692.7	5578.7	3464.7
70°	17603.7	15934.5	14270.8	12601.5	11009.2	9411.3	7813.5	6221.2	4908.8	3602.0	2289.7
72.5°	13952.3	12354.5	10762.1	9164.3	7720.2	6276.1	4832.0	3387.9	2734.5	2086.5	1433.1
75°	7401.7	6572.6	5748.9	4919.8	4107.2	3289.0	2470.9	1658.2	1400.2	1142.1	878.5
77.5°	2553.3	2190.9	1833.9	1471.6	1224.5	977.4	730.3	483.2	455.7	433.8	406.3
80°	774.2	658.9	543.6	428.3	378.9	329.5	280.0	230.6	214.1	197.7	175.7
82.5°	120.8	109.8	104.3	93.3	87.9	87.9	82.4	76.9	65.9	60.4	49.4
85°	11.0	5.5	5.5	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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: P1067692

CATALOG NUMBER: NAV-SA4D-727-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	49.4	49.4
2.5°	43.9	43.9
5°	54.9	54.9
7.5°	65.9	65.9
10°	76.9	76.9
12.5°	87.9	87.9
15°	104.3	98.8
17.5°	120.8	115.3
20°	131.8	120.8
22.5°	159.2	137.3
25°	203.2	170.2
27.5°	263.6	208.7
30°	340.4	263.6
32.5°	505.2	367.9
35°	609.5	444.8
37.5°	746.8	516.1
40°	960.9	626.0
42.5°	1361.7	851.1
45°	2322.6	1411.2
47.5°	3937.0	2405.0
50°	5046.1	3085.9
52.5°	5353.6	3272.6
55°	4842.9	3003.5
57.5°	4030.3	2553.3
60°	3300.0	2103.0
62.5°	2602.7	1663.7
65°	1877.9	1257.4
67.5°	1350.8	966.4
70°	982.9	757.7
72.5°	779.7	631.4
75°	620.5	527.1
77.5°	384.4	351.4
80°	159.2	148.3
82.5°	38.4	32.9
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: P1067692

CATALOG NUMBER: NAV-SA4D-727-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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

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

REPORT NUMBER: SP1-2407-184-3

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: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

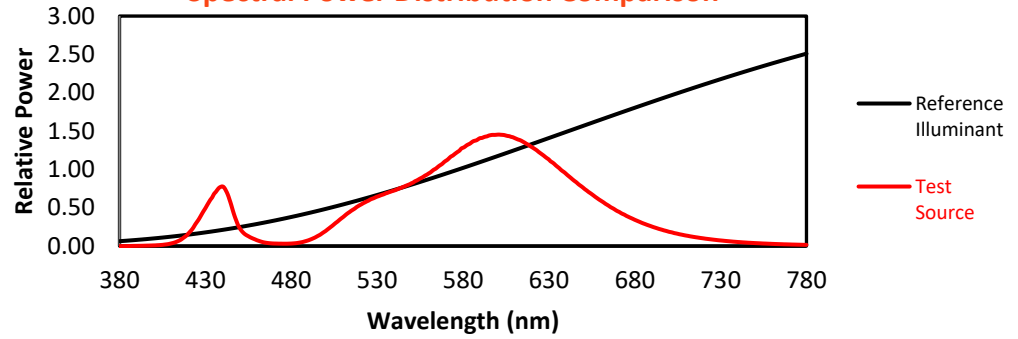
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



Color Vector Graphics



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

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)