

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: McGRAW-EDISON

Report Number: P1049209

Luminaire Tested: **GALN-SA1A-840-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049209
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-840-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3032.1 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29
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

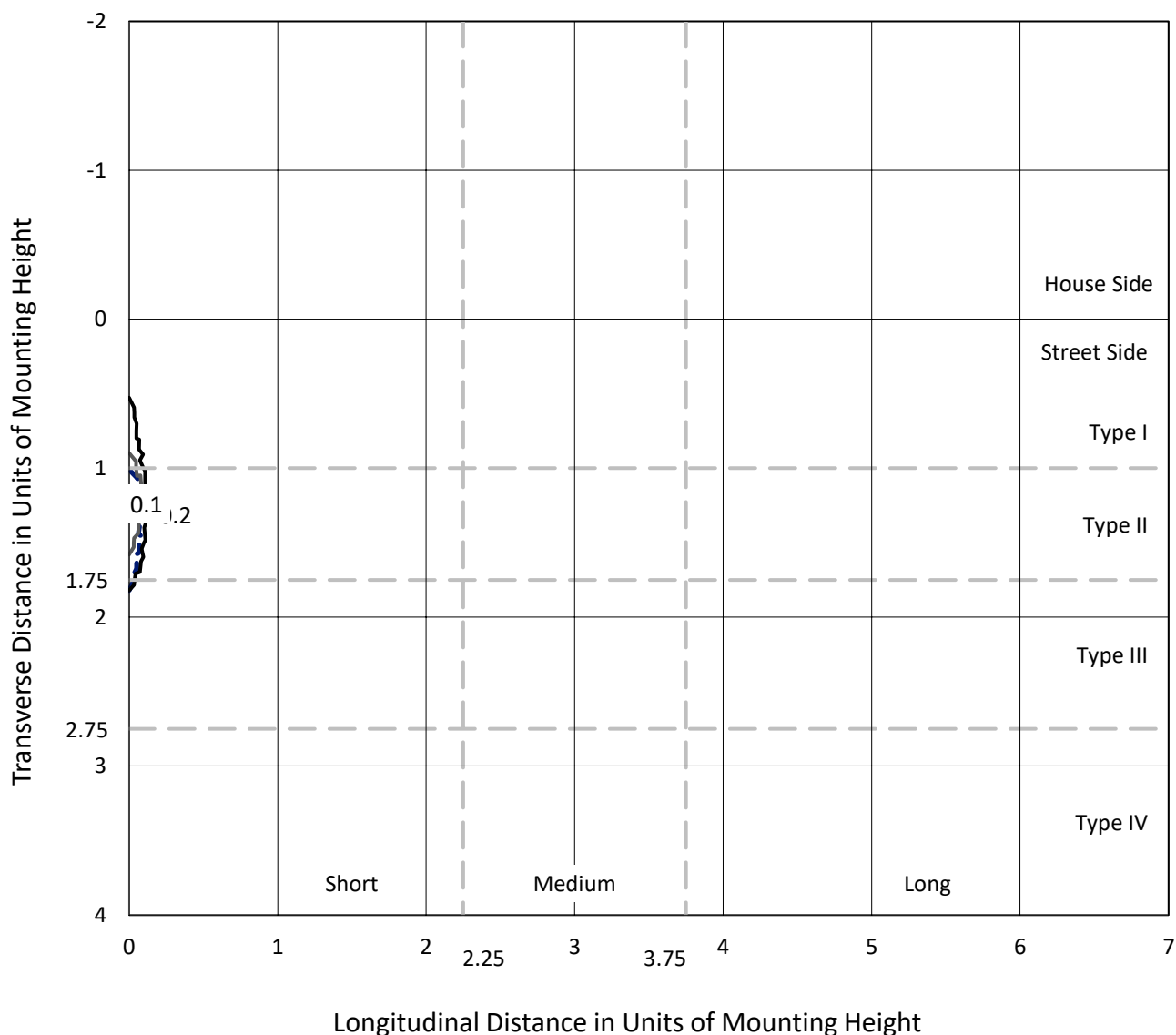
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

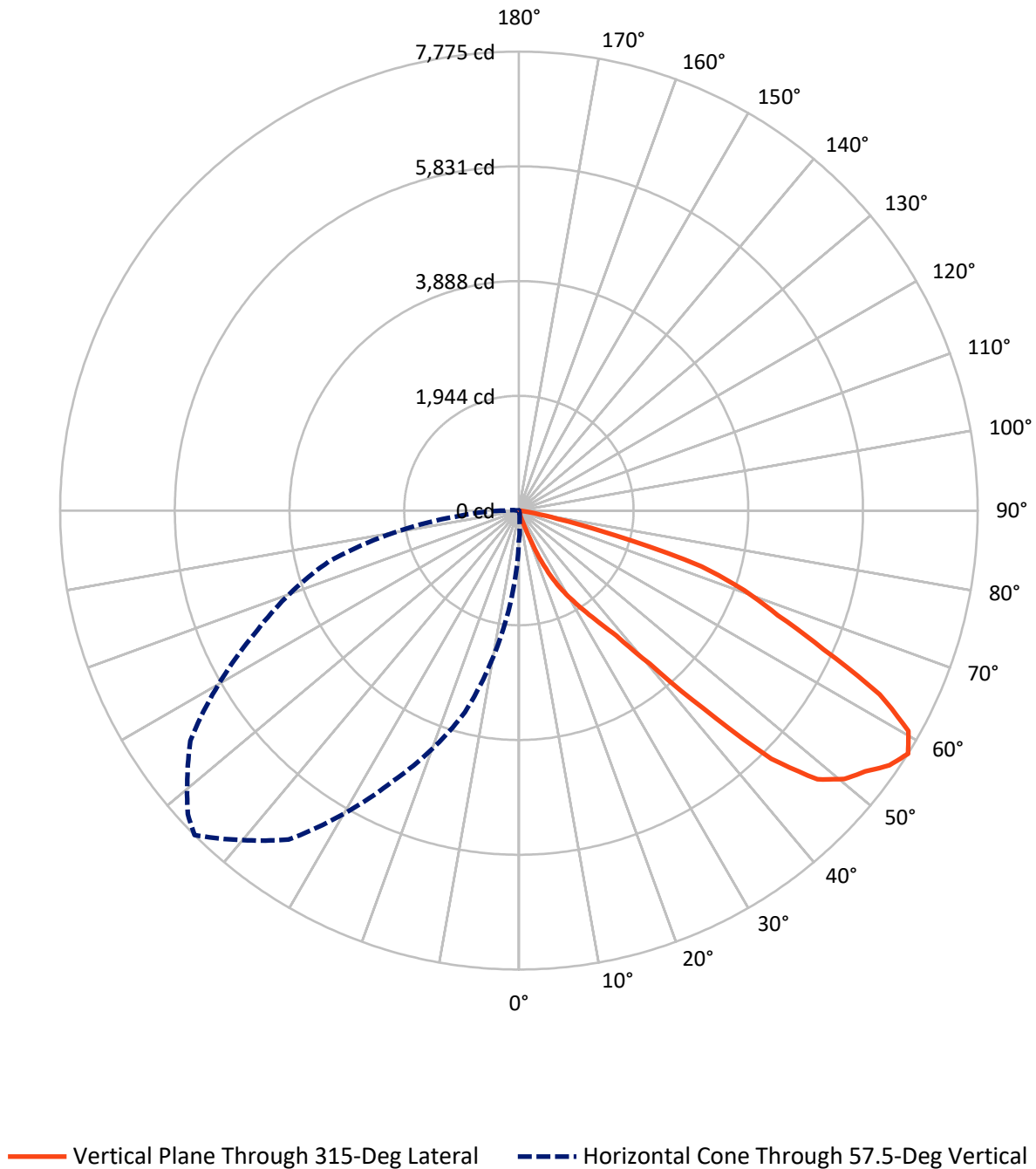


Based on 20 foot mounting height. Maximum calculated value = 0.4 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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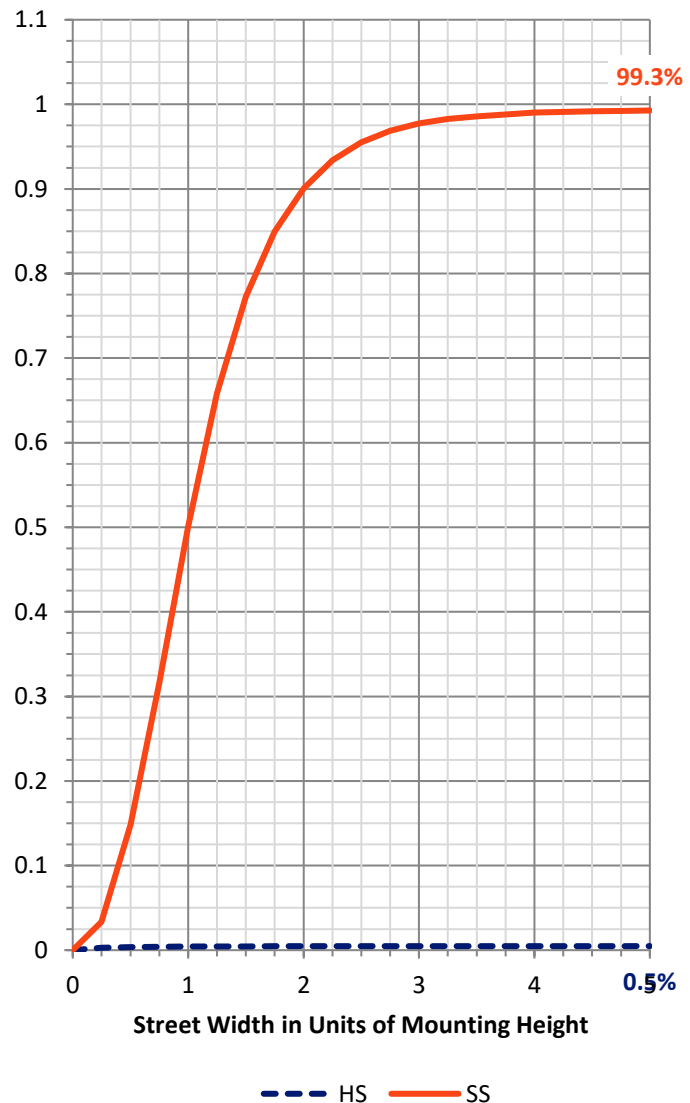
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.2	0.0	15.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	3016.9	0.0	3016.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	3032.1	0.0	3032.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	6.7	0.2
20°-30°	71.9	2.4
30°-40°	212.5	7.0
40°-50°	633.3	20.9
50°-60°	1004.2	33.1
60°-70°	838.2	27.6
70°-80°	258.5	8.5
80°-90°	5.7	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°	3032.1	100.0
0°-180°	3032.1	100.0



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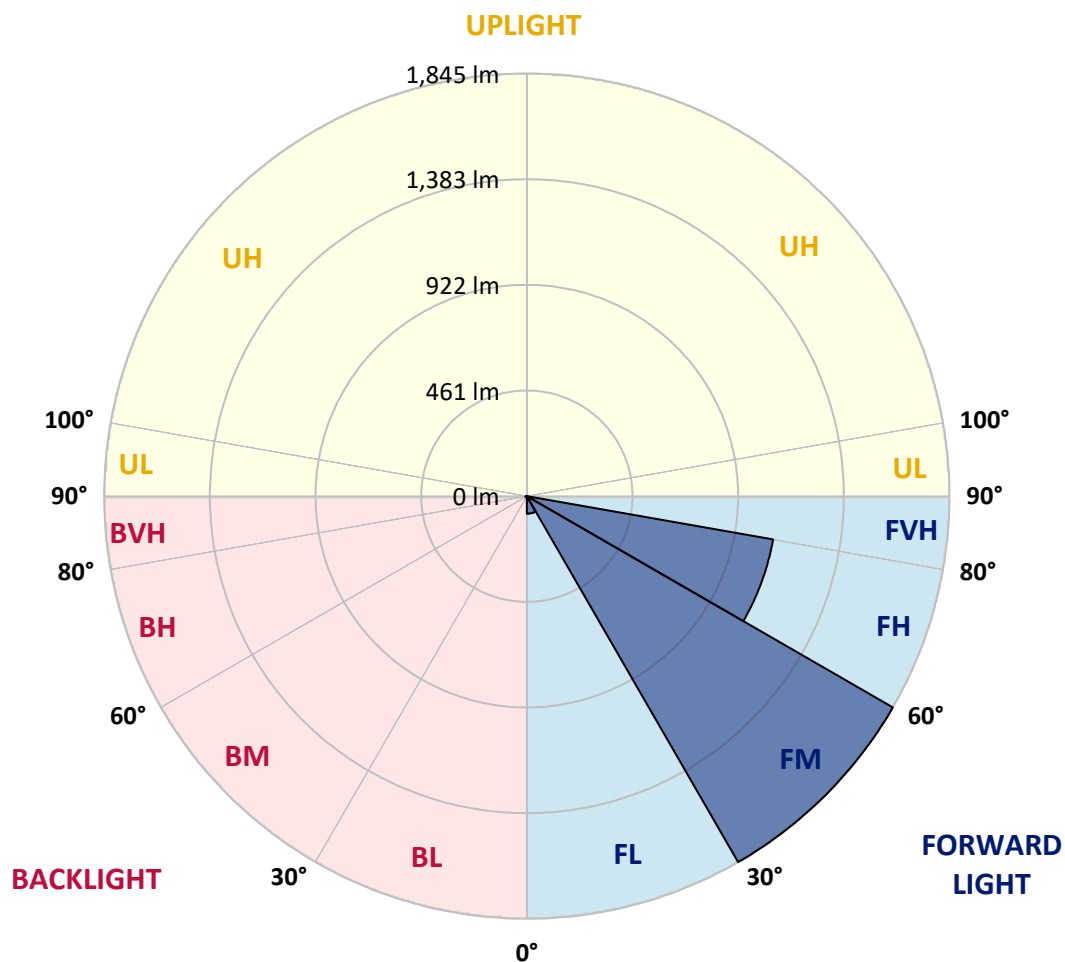
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.9	2.5			
FM	(30°-60°)	1844.5	60.8			
FH	(60°-80°)	1091.0	36.0			G1/1800
FVH	(80°-90°)	4.4	0.1			G0/10
BL	(0°-30°)	2.8	0.1	B0/110		
BM	(30°-60°)	5.4	0.2	B0/220		
BH	(60°-80°)	5.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G1

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°
0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	12.1	12.1	12.1	12.1	11.9	11.9	11.7	11.7	11.5	11.5
5°	12.8	12.8	12.6	12.4	12.4	12.1	11.9	11.7	11.7	11.5
7.5°	14.0	13.7	13.5	13.3	12.8	12.6	12.1	11.9	11.7	11.2
10°	15.4	14.9	14.4	14.0	13.5	13.1	12.6	12.4	11.9	11.7
12.5°	17.2	16.5	15.6	14.9	14.4	13.7	13.3	12.8	12.1	11.7
15°	18.8	17.9	16.7	15.8	15.1	14.2	13.5	12.8	12.4	11.7
17.5°	21.1	19.5	17.6	16.5	15.6	14.4	13.3	12.6	11.9	11.0
20°	25.0	21.8	18.3	17.0	15.6	14.2	12.8	11.9	11.2	10.3
22.5°	31.2	25.7	20.2	18.1	16.3	14.2	12.4	11.5	10.5	9.6
25°	43.1	33.2	23.4	20.6	17.9	15.1	12.4	11.2	10.3	9.2
27.5°	57.3	42.6	27.7	23.8	20.2	16.3	12.4	11.0	9.9	8.5
30°	71.7	52.2	32.5	27.5	22.5	17.4	12.4	10.8	9.4	7.8
32.5°	85.5	61.2	36.7	30.7	24.7	18.6	12.6	10.8	8.9	7.1
35°	99.4	68.5	37.3	31.2	25.0	18.6	12.4	10.3	8.5	6.4
37.5°	117.3	76.8	36.0	29.8	23.8	17.6	11.7	9.9	8.0	6.0
40°	144.4	90.5	36.7	30.2	23.8	17.4	11.0	9.2	7.6	5.7
42.5°	194.3	117.1	39.6	32.3	25.0	17.4	10.1	8.5	7.1	5.5
45°	335.9	194.5	53.2	42.2	31.2	20.2	9.2	7.8	6.6	5.3
47.5°	555.6	325.6	95.5	73.8	52.2	30.5	8.9	7.8	6.6	5.3
50°	709.2	414.7	120.3	92.6	64.8	37.1	9.4	8.0	6.9	5.5
52.5°	708.0	421.1	134.0	102.9	71.9	40.8	9.9	8.5	7.3	6.0
55°	629.4	383.1	136.6	104.9	73.6	41.9	10.5	9.2	7.8	6.4
57.5°	526.1	325.4	124.6	96.5	68.5	40.3	12.1	10.5	9.2	7.6
60°	416.1	256.6	97.2	76.8	56.6	36.2	16.0	14.0	12.1	10.1
62.5°	287.3	186.1	84.8	68.1	51.6	34.8	18.3	16.3	14.4	12.4
65°	203.2	140.0	76.5	62.3	48.3	34.1	19.9	17.6	15.6	13.3
67.5°	151.9	111.4	70.6	58.4	46.3	34.1	22.0	19.2	16.7	14.0
70°	116.4	91.4	66.2	56.4	46.7	36.9	27.0	23.1	19.5	15.6
72.5°	94.9	78.1	61.2	54.1	47.0	39.9	32.8	27.7	22.7	17.4
75°	78.6	66.9	55.2	49.3	43.5	37.6	31.6	27.0	22.7	18.1
77.5°	52.2	47.7	42.8	39.4	36.0	32.3	28.9	25.0	21.3	17.4
80°	18.3	17.6	17.0	18.3	19.7	21.1	22.5	19.7	17.2	14.4
82.5°	2.7	2.5	2.3	2.5	2.7	3.0	3.2	3.4	3.7	3.9
85°	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
90°	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
95°	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
100°	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
105°	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
110°	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):

[illegible]

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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	11.2	11.2	11.0	11.0	11.0	10.8	10.8	10.5	10.5	10.5
0.0	5°	11.0	11.0	10.8	10.5	10.3	10.3	10.1	9.9	9.9	9.6
0.0	7.5°	10.8	10.5	10.3	10.1	9.9	9.6	9.4	9.2	9.2	8.9
0.0	10°	11.0	10.5	10.3	9.9	9.6	9.4	8.9	8.7	8.5	8.5
0.0	12.5°	10.5	10.3	9.9	9.4	9.2	8.7	8.5	8.0	7.8	7.8
0.0	15°	10.5	10.1	9.4	8.9	8.5	8.2	7.8	7.3	7.1	6.9
0.0	17.5°	9.9	9.4	8.7	8.2	7.8	7.3	6.9	6.4	6.2	6.0
0.0	20°	8.9	8.5	7.8	7.1	6.6	6.2	5.7	5.3	5.0	4.8
0.0	22.5°	8.0	7.6	6.9	6.2	5.7	5.3	4.6	4.1	3.9	3.4
0.0	25°	7.6	6.9	6.2	5.5	4.8	4.4	3.7	3.0	2.5	2.1
0.0	27.5°	6.4	5.7	5.0	4.4	3.7	3.0	2.3	1.6	1.1	0.9
0.0	30°	5.5	4.8	4.1	3.4	2.5	1.8	1.1	0.2	0.2	0.2
0.0	32.5°	4.6	3.9	3.0	2.3	1.8	1.1	0.7	0.0	0.0	0.0
0.0	35°	3.7	3.0	2.1	1.4	1.1	0.7	0.5	0.0	0.0	0.0
0.0	37.5°	3.2	2.5	1.6	0.7	0.5	0.5	0.2	0.0	0.0	0.0
0.0	40°	3.0	2.1	1.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0
0.0	42.5°	3.0	2.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	3.0	2.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	3.0	2.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	3.2	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	3.7	2.7	1.8	0.9	0.7	0.5	0.2	0.0	0.0	0.0
0.0	55°	4.6	4.1	3.4	3.0	2.3	1.6	0.7	0.0	0.0	0.0
0.0	57.5°	6.0	6.0	5.7	5.5	4.1	2.7	1.4	0.0	0.0	0.0
0.0	60°	8.0	8.0	8.0	8.0	6.0	4.1	2.1	0.0	0.0	0.0
0.0	62.5°	9.9	9.4	8.7	8.2	6.2	4.1	2.1	0.0	0.0	0.0
0.0	65°	9.9	8.9	7.8	6.6	5.0	3.4	1.6	0.0	0.0	0.0
0.0	67.5°	9.2	7.3	5.3	3.4	2.5	1.8	0.9	0.0	0.0	0.0
	70°	9.2	6.4	3.7	0.9	0.7	0.5	0.2	0.0	0.0	0.0
	72.5°	9.2	6.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	10.1	6.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	10.1	6.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	8.9	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	3.0	2.1	0.9	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
	87.5°	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
	92.5°	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
	97.5°	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
	102.5°	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
	107.5°	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

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	10.3	10.3	10.3	10.1	10.1	10.1	10.1	9.9	9.9	9.9
0.0	5°	9.4	9.4	9.2	9.2	8.9	8.9	8.7	8.7	8.5	8.5
0.0	7.5°	8.7	8.5	8.5	8.2	8.0	8.0	7.8	7.8	7.6	7.3
0.0	10°	8.0	7.8	7.8	7.6	7.3	7.1	7.1	6.9	6.6	6.4
0.0	12.5°	7.3	7.1	6.9	6.6	6.4	6.2	6.2	6.0	5.7	5.5
0.0	15°	6.4	6.2	6.0	5.7	5.5	5.3	5.3	5.0	4.8	4.6
0.0	17.5°	5.5	5.3	5.3	5.0	4.8	4.6	4.4	3.9	3.7	3.4
0.0	20°	4.1	3.9	3.7	3.4	3.2	2.7	2.5	2.1	1.6	1.4
0.0	22.5°	2.7	2.3	2.1	1.6	1.1	0.9	0.7	0.2	0.0	0.0
0.0	25°	0.9	0.7	0.5	0.2	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



REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	9.6	9.6	9.6	9.4	9.4	9.4	9.4	9.4	9.4	9.4
0.0	5°	8.2	8.2	8.2	8.0	8.0	7.8	7.8	7.8	7.6	7.6
0.0	7.5°	7.1	6.9	6.9	6.6	6.6	6.4	6.4	6.4	6.2	6.2
0.0	10°	6.0	5.7	5.7	5.5	5.5	5.3	5.3	5.0	5.0	4.8
0.0	12.5°	5.3	5.0	4.8	4.6	4.6	4.4	4.1	4.1	3.9	3.7
0.0	15°	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.7	2.5	2.3
0.0	17.5°	2.7	2.3	2.1	1.8	1.8	1.6	1.4	1.1	0.9	0.7
0.0	20°	0.7	0.5	0.2	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
	70°	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
	75°	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
	80°	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
	85°	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
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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):

[illegible]

REPORT NUMBER: P1049209

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CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	9.4	9.2	9.2	9.2	9.4	9.4	9.4	9.4	9.4	9.4
0.0	5°	7.6	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
0.0	7.5°	6.2	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7
0.0	10°	4.8	4.6	4.6	4.6	4.6	4.4	4.4	4.4	4.4	4.4
0.0	12.5°	3.4	3.4	3.2	3.2	3.2	3.0	3.0	3.0	3.0	2.7
0.0	15°	2.1	1.8	1.6	1.6	1.6	1.4	1.4	1.4	1.4	1.1
0.0	17.5°	0.5	0.5	0.2	0.2	0.2	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



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049209

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CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	9.6	9.6	9.9	9.9	10.1	10.5	10.8	11.0	11.5	11.9
0.0	5°	7.6	7.8	7.8	8.0	8.2	8.5	8.7	8.9	9.4	9.9
0.0	7.5°	6.0	6.0	6.2	6.2	6.4	6.9	7.1	7.3	7.8	8.5
0.0	10°	4.6	4.6	4.8	4.8	5.0	5.5	5.7	6.0	6.4	7.1
0.0	12.5°	3.0	3.2	3.2	3.4	3.7	4.1	4.4	4.6	5.0	5.5
0.0	15°	1.4	1.6	1.6	1.8	2.1	2.5	2.7	3.0	3.4	4.1
0.0	17.5°	0.2	0.2	0.5	0.5	0.7	0.9	1.1	1.4	2.1	2.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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
	70°	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
	75°	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
	80°	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
	85°	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
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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):

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REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	12.6	13.1	13.5	14.0	14.4	14.9	15.1	15.6	15.8	16.0
0.0	5°	10.8	11.2	11.9	12.4	12.8	13.3	13.7	14.0	14.2	14.4
0.0	7.5°	9.4	9.9	10.5	11.0	11.5	11.9	12.4	12.8	13.1	13.3
0.0	10°	8.0	8.7	9.2	9.9	10.3	10.8	11.2	11.7	12.1	12.4
0.0	12.5°	6.4	7.1	7.8	8.2	8.9	9.6	10.1	10.5	11.0	11.5
0.0	15°	5.0	5.7	6.4	6.9	7.6	8.2	8.9	9.4	9.9	10.3
0.0	17.5°	3.7	4.4	5.0	5.5	6.2	6.9	7.3	8.0	8.5	8.9
0.0	20°	1.8	2.5	3.2	3.9	4.6	5.3	5.7	6.4	6.9	7.3
0.0	22.5°	0.2	0.9	1.6	2.1	2.7	3.4	3.9	4.6	5.0	5.5
0.0	25°	0.0	0.2	0.7	0.9	1.1	1.6	2.1	2.5	3.0	3.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.4	1.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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
	70°	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
	75°	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
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
	85°	0.0	0.0	0.0	0.0	0.0	0.5	0.7	1.1	1.4	1.6
	87.5°	0.0	0.2	0.5	0.7	0.9	1.4	1.8	2.3	2.5	2.7
	90°	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
	95°	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
	100°	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
	105°	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
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
13.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	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
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0.0											
0.0											
0.0											
0.2											
0.9											
2.1											
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REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	16.3	16.3	16.3	16.3	16.0	16.0	16.0	15.8	15.8	15.6
0.0	5°	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	14.9	14.9
0.0	7.5°	13.7	14.0	14.2	14.2	14.4	14.4	14.4	14.2	14.2	14.0
0.0	10°	13.1	13.3	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5
0.0	12.5°	12.1	12.4	12.6	12.6	12.8	12.8	12.8	12.8	12.6	12.6
0.0	15°	11.0	11.5	11.7	11.9	11.9	12.1	12.1	12.1	12.1	12.1
0.0	17.5°	10.1	10.5	10.8	11.0	11.0	11.2	11.2	11.5	11.5	11.5
0.0	20°	8.2	8.7	8.9	9.4	9.6	9.9	10.1	10.3	10.3	10.5
0.0	22.5°	6.4	6.9	7.1	7.6	7.8	8.0	8.2	8.5	8.7	8.9
0.0	25°	4.6	5.0	5.3	5.7	6.0	6.2	6.4	6.6	6.6	6.9
0.0	27.5°	2.5	3.0	3.4	3.7	4.1	4.4	4.6	4.8	5.0	5.3
0.0	30°	1.1	1.4	1.6	2.1	2.3	2.5	2.7	3.2	3.4	3.7
0.0	32.5°	0.0	0.0	0.2	0.7	0.9	1.1	1.4	1.6	1.6	1.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9
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
	70°	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
	75°	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
	80°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	82.5°	1.1	1.4	1.6	1.6	1.8	1.8	1.8	1.8	1.6	1.6
	85°	2.3	2.5	2.7	2.7	3.0	3.0	3.0	3.0	3.0	3.0
	87.5°	3.2	3.4	3.7	3.7	3.9	3.9	3.9	3.9	3.9	3.9
	90°	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
	95°	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
	100°	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
	105°	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
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
13.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2	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
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0.0											
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REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	15.4	15.4	15.1	15.1	15.1	15.1	15.1	15.4	15.6	15.6
0.0	5°	14.7	14.7	14.4	14.4	14.4	14.7	14.7	14.9	15.1	15.4
0.0	7.5°	14.0	13.7	13.7	14.0	14.0	14.2	14.2	14.4	14.7	14.9
0.0	10°	13.5	13.3	13.3	13.3	13.5	13.5	13.7	14.0	14.2	14.4
0.0	12.5°	12.6	12.6	12.6	12.6	12.8	12.8	13.1	13.3	13.7	14.0
0.0	15°	12.1	11.9	11.9	11.9	11.9	12.1	12.1	12.6	13.1	13.3
0.0	17.5°	11.2	11.2	11.0	11.0	11.2	11.2	11.5	11.9	12.4	12.6
0.0	20°	10.3	10.1	9.9	9.9	10.1	10.1	10.3	10.8	11.2	11.5
0.0	22.5°	8.9	8.7	8.7	8.7	8.7	8.9	8.9	9.4	10.1	10.5
0.0	25°	7.1	7.3	7.3	7.6	7.6	7.8	8.0	8.5	9.2	9.6
0.0	27.5°	5.5	5.7	5.7	6.2	6.4	6.6	6.9	7.6	8.2	8.7
0.0	30°	4.1	4.4	4.6	4.8	5.3	5.7	6.2	6.9	7.6	8.0
0.0	32.5°	2.5	3.0	3.2	3.7	4.1	4.6	5.0	5.7	6.6	7.3
0.0	35°	1.8	2.1	2.5	2.7	3.2	3.7	4.1	5.0	5.7	6.6
0.0	37.5°	0.9	1.4	1.8	2.3	2.7	3.2	3.7	4.6	5.5	6.2
0.0	40°	0.7	1.1	1.4	1.8	2.5	3.0	3.4	4.4	5.3	6.2
0.0	42.5°	0.5	0.7	0.9	1.6	2.1	2.7	3.4	4.4	5.3	6.2
0.0	45°	0.5	0.5	0.7	1.4	2.1	3.0	3.7	4.6	5.3	6.2
0.0	47.5°	0.5	0.7	0.9	1.8	2.3	3.0	3.7	4.4	5.3	6.0
0.0	50°	0.7	0.9	1.1	2.1	2.5	3.2	3.7	4.6	5.3	6.2
0.0	52.5°	0.5	0.7	0.9	1.8	2.5	3.4	4.1	5.0	6.0	6.6
0.0	55°	0.2	0.2	0.2	1.4	2.7	3.9	5.3	6.0	6.9	7.6
0.0	57.5°	0.0	0.0	0.0	0.9	2.7	4.4	6.0	6.9	7.8	8.5
0.0	60°	0.0	0.0	0.0	0.9	2.7	4.4	6.0	7.1	8.2	9.4
0.0	62.5°	0.0	0.0	0.0	0.9	2.3	3.7	5.0	6.9	8.9	10.8
0.0	65°	0.0	0.0	0.0	0.7	1.8	3.0	4.1	6.9	9.6	12.1
0.0	67.5°	0.0	0.0	0.0	0.7	1.8	2.7	3.9	6.9	9.6	12.6
	70°	0.0	0.0	0.0	0.7	1.8	3.0	4.1	6.9	9.6	12.4
	72.5°	0.0	0.0	0.0	0.7	2.1	3.2	4.6	6.9	9.2	11.5
	75°	0.0	0.0	0.0	0.9	2.1	3.4	4.8	6.9	8.9	10.8
	77.5°	0.0	0.0	0.0	0.7	2.1	3.2	4.6	6.6	8.7	10.5
	80°	0.7	0.5	0.5	1.1	2.1	3.0	3.9	6.0	8.2	10.3
	82.5°	1.4	1.4	1.1	1.6	2.1	2.7	3.4	5.3	7.3	9.2
	85°	2.7	2.7	2.5	2.7	2.7	3.0	3.2	4.1	5.0	6.0
	87.5°	3.7	3.7	3.4	3.4	3.4	3.2	3.2	3.2	3.2	3.0
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
13.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1											
13.7											
12.8											
12.6											
12.4											
11.0											
6.9											
3.0											
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REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	16.0	16.3	16.3	16.5	16.7	17.0	17.0	17.2	17.2	17.2
0.0	5°	15.8	16.3	16.5	16.7	17.0	17.2	17.4	17.6	17.9	17.9
0.0	7.5°	15.6	15.8	16.3	16.5	17.0	17.2	17.6	17.9	18.1	18.3
0.0	10°	15.1	15.6	16.0	16.5	17.0	17.4	17.9	18.3	18.8	19.0
0.0	12.5°	14.7	15.4	15.8	16.3	17.0	17.6	18.1	18.8	19.2	19.7
0.0	15°	14.4	14.9	15.6	16.0	17.0	17.9	18.6	19.5	20.4	21.1
0.0	17.5°	13.7	14.7	15.4	16.0	17.0	18.1	19.0	19.9	21.3	22.7
0.0	20°	12.8	13.5	14.4	15.1	16.5	17.6	19.0	20.2	22.2	24.3
0.0	22.5°	11.9	12.8	13.5	14.4	16.0	17.4	19.0	20.4	23.8	27.0
0.0	25°	11.0	12.1	13.1	14.0	15.8	17.6	19.5	21.3	27.0	32.8
0.0	27.5°	10.5	11.5	12.6	13.5	15.8	18.3	20.6	22.9	32.1	41.0
0.0	30°	9.9	11.0	11.9	13.1	16.0	19.0	22.0	25.0	39.0	52.9
0.0	32.5°	9.2	10.3	11.5	12.6	16.5	20.4	24.1	28.0	46.3	64.4
0.0	35°	8.5	9.9	11.0	12.1	17.2	22.5	27.5	32.5	52.9	73.1
0.0	37.5°	8.2	9.6	10.8	11.9	17.4	22.7	28.2	33.5	53.6	73.8
0.0	40°	8.5	9.6	11.0	12.1	16.7	21.3	25.7	30.2	51.3	72.2
0.0	42.5°	8.5	9.9	11.2	12.6	16.3	19.9	23.6	27.3	50.6	74.0
0.0	45°	8.2	9.6	11.0	12.4	15.8	19.0	22.5	25.7	54.8	83.6
0.0	47.5°	8.0	9.4	10.8	12.1	15.6	19.0	22.5	25.9	70.8	115.5
0.0	50°	8.0	9.4	10.5	11.7	15.8	20.2	24.3	28.4	103.1	177.6
0.0	52.5°	8.5	9.6	10.5	11.5	16.3	21.3	26.1	30.9	131.1	231.0
0.0	55°	9.2	9.9	10.8	11.5	17.4	23.1	29.1	34.8	139.5	244.3
0.0	57.5°	10.1	10.8	11.5	12.1	19.5	26.8	33.9	41.2	140.2	239.0
0.0	60°	11.2	12.1	12.8	13.5	21.3	29.3	37.1	44.9	126.9	208.7
0.0	62.5°	13.7	14.9	15.8	17.0	24.5	31.8	39.4	46.7	105.4	164.1
0.0	65°	15.8	16.7	17.6	18.6	25.9	33.5	40.8	48.1	89.4	130.6
0.0	67.5°	16.3	17.2	17.9	18.8	26.4	33.9	41.2	48.8	76.5	104.0
	70°	16.5	17.6	19.0	20.2	28.0	35.7	43.3	51.1	67.8	84.6
	72.5°	15.8	18.1	20.2	22.2	29.6	36.7	44.0	51.1	63.0	74.9
	75°	15.8	19.0	22.0	25.0	30.5	35.7	41.2	46.5	55.7	64.8
	77.5°	16.7	20.9	25.0	29.1	32.3	35.3	38.5	41.5	47.4	53.4
	80°	16.7	21.1	25.2	29.6	30.9	32.5	33.9	35.3	36.0	36.7
	82.5°	14.4	17.9	21.3	24.7	23.1	21.5	19.9	18.3	17.2	15.8
	85°	7.3	8.0	8.5	8.9	8.2	7.6	6.9	6.2	5.7	5.0
	87.5°	3.0	3.0	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.5
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
13.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
222.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
519.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
653.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
668.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
603.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
516.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
403.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
304.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159.2											
118.5											
86.2											
64.8											
36.4											
16.5											
4.8											
2.3											
0.0											
0.0											
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REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	17.2	17.0	17.0	16.7	16.5	16.3	16.0	15.8	15.6	15.4
0.0	5°	17.9	17.9	17.9	17.6	17.6	17.4	17.4	17.2	17.0	16.7
0.0	7.5°	18.6	18.8	18.8	19.0	19.0	19.0	19.0	18.8	18.8	18.8
0.0	10°	19.7	19.9	20.2	20.4	20.6	20.9	20.9	21.1	21.1	21.1
0.0	12.5°	21.1	21.8	22.2	22.9	23.4	24.1	24.5	25.2	25.7	26.1
0.0	15°	23.1	24.3	25.7	26.8	28.0	29.6	31.4	33.0	34.6	37.1
0.0	17.5°	26.1	29.8	33.5	36.9	40.6	48.6	56.6	64.4	72.4	84.1
0.0	20°	31.8	42.8	53.6	64.6	75.4	103.6	131.5	159.7	187.7	217.7
0.0	22.5°	44.7	71.7	98.8	125.8	152.8	211.7	270.4	329.3	387.9	456.9
0.0	25°	64.8	114.6	164.3	213.8	263.5	355.6	448.0	540.1	632.2	721.8
0.0	27.5°	94.4	170.5	246.5	322.4	398.5	523.3	648.4	773.3	898.2	999.5
0.0	30°	130.8	233.9	337.1	440.2	543.3	685.3	827.4	969.2	1111.3	1222.0
0.0	32.5°	165.2	291.5	417.7	543.7	670.0	831.8	993.8	1155.5	1317.3	1438.3
0.0	35°	187.7	340.3	493.1	645.7	798.3	973.4	1148.4	1323.2	1498.3	1636.5
0.0	37.5°	210.1	386.3	562.3	738.5	914.5	1106.7	1299.0	1491.2	1683.4	1854.1
0.0	40°	235.3	442.0	648.4	855.1	1061.6	1289.3	1516.9	1744.6	1972.1	2213.0
0.0	42.5°	279.1	534.3	789.8	1045.1	1300.3	1601.6	1903.0	2204.0	2505.3	2849.0
0.0	45°	361.3	721.1	1081.1	1440.8	1800.5	2199.7	2599.1	2998.2	3397.4	3854.7
0.0	47.5°	562.8	1057.7	1552.4	2047.3	2542.0	2973.0	3403.8	3834.8	4265.5	4721.1
0.0	50°	861.1	1437.1	2013.2	2589.0	3165.0	3555.0	3944.8	4334.7	4724.5	5157.8
0.0	52.5°	1076.9	1677.0	2277.4	2877.5	3477.6	3829.5	4181.7	4533.6	4885.6	5290.5
0.0	55°	1093.2	1689.9	2286.7	2883.4	3480.1	3833.6	4187.2	4540.7	4894.3	5323.4
0.0	57.5°	967.9	1559.7	2151.3	2743.2	3334.8	3737.4	4139.7	4542.3	4944.7	5408.7
0.0	60°	823.3	1415.4	2007.2	2599.3	3191.1	3654.9	4118.9	4582.7	5046.4	5481.1
0.0	62.5°	642.3	1251.3	1860.6	2469.6	3078.6	3549.5	4020.4	4491.0	4961.9	5287.9
0.0	65°	478.7	1070.1	1661.4	2252.6	2844.0	3221.2	3598.3	3975.2	4352.4	4554.2
0.0	67.5°	346.0	856.0	1365.9	1875.9	2385.7	2655.7	2925.6	3195.3	3465.2	3619.6
	70°	233.9	587.3	940.4	1293.7	1646.8	1868.6	2090.6	2312.4	2534.2	2742.7
	72.5°	162.0	360.4	559.1	757.5	955.9	1179.1	1402.1	1625.2	1848.2	2068.8
	75°	107.5	197.7	288.2	378.5	468.8	634.0	799.4	964.7	1129.9	1261.4
	77.5°	76.3	103.3	130.6	157.6	184.7	215.6	246.8	277.7	308.6	355.6
	80°	36.2	39.6	43.1	46.3	49.7	60.9	72.2	83.4	94.6	106.5
	82.5°	17.2	18.6	19.9	21.1	22.5	23.6	24.7	25.9	27.0	25.9
	85°	4.6	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6
	87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.8	1.8	1.6
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
13.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
247.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
525.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
811.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1100.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1332.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1559.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1774.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2453.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3192.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4312.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5176.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5591.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5695.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5752.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5872.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5915.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5614.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4756.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3774.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2951.0											
2289.5											
1392.9											
402.6											
118.5											
24.5											
4.4											
1.6											
0.0											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	2.5°	14.9	14.7	14.4	14.2	14.0	13.5	13.5	13.3	13.3
0.0	5°	16.3	16.0	15.8	15.6	15.6	15.4	15.1	15.1	14.9
0.0	7.5°	18.6	18.3	18.1	17.9	17.9	17.6	17.6	17.4	17.4
0.0	10°	21.3	21.3	21.3	21.3	21.3	21.1	21.1	21.1	20.9
0.0	12.5°	26.8	27.0	27.5	28.0	28.6	28.6	28.6	28.4	28.4
0.0	15°	42.4	44.9	46.7	48.6	50.2	53.8	53.4	52.7	52.2
0.0	17.5°	107.2	118.7	124.9	130.8	137.0	154.0	151.2	148.5	146.0
0.0	20°	277.9	308.0	327.9	347.8	368.0	399.8	392.0	384.3	376.5
0.0	22.5°	594.6	663.6	693.6	723.6	753.4	791.9	766.9	741.9	717.2
0.0	25°	900.7	990.3	1041.0	1091.6	1142.0	1164.0	1131.5	1098.7	1066.2
0.0	27.5°	1202.0	1303.3	1348.0	1392.4	1437.1	1483.2	1442.9	1402.3	1362.0
0.0	30°	1443.5	1554.2	1602.6	1650.7	1699.0	1731.1	1689.4	1647.5	1605.8
0.0	32.5°	1680.5	1801.4	1854.4	1907.3	1960.0	2006.1	1954.7	1903.2	1851.9
0.0	35°	1912.6	2050.7	2123.6	2196.5	2269.3	2312.2	2251.2	2190.1	2129.1
0.0	37.5°	2195.8	2366.5	2448.1	2529.6	2611.2	2689.3	2622.2	2554.8	2487.7
0.0	40°	2694.6	2935.4	3060.5	3185.9	3311.0	3411.8	3327.0	3242.2	3157.5
0.0	42.5°	3536.4	3880.1	4060.0	4239.6	4419.5	4576.9	4487.8	4398.7	4309.5
0.0	45°	4769.4	5226.8	5446.0	5665.1	5884.4	5999.4	5871.1	5742.5	5614.2
0.0	47.5°	5631.9	6087.4	6282.6	6477.8	6673.0	6804.3	6647.4	6490.4	6333.7
0.0	50°	6024.1	6457.4	6653.3	6849.0	7044.9	7149.2	6967.9	6786.5	6605.2
0.0	52.5°	6100.0	6504.9	6738.6	6972.5	7206.2	7345.5	7131.5	6917.3	6703.3
0.0	55°	6182.0	6611.2	6882.2	7153.5	7424.6	7617.5	7375.6	7133.4	6891.4
0.0	57.5°	6336.4	6800.4	7070.8	7341.0	7611.3	7775.2	7532.5	7289.6	7047.0
0.0	60°	6350.2	6784.6	7017.0	7249.5	7481.9	7585.0	7352.9	7120.5	6888.4
0.0	62.5°	5940.3	6266.3	6427.6	6589.0	6750.3	6862.3	6620.1	6377.7	6135.5
0.0	65°	4958.2	5160.1	5288.6	5417.2	5545.7	5679.3	5457.5	5235.7	5013.9
0.0	67.5°	3928.7	4083.2	4252.5	4421.8	4591.1	4733.9	4556.3	4378.5	4200.9
	70°	3159.5	3367.8	3558.2	3748.6	3939.0	4055.9	3877.6	3699.1	3520.9
	72.5°	2510.2	2730.8	2889.8	3048.6	3207.6	3236.3	3105.2	2974.1	2843.3
	75°	1524.2	1655.7	1658.9	1661.9	1665.1	1692.4	1583.8	1475.2	1366.8
	77.5°	449.6	496.5	535.3	573.7	612.5	659.2	619.3	579.2	539.4
	80°	130.1	142.1	152.1	162.0	172.1	166.1	156.7	147.3	137.9
	82.5°	23.4	22.0	21.8	21.5	21.5	20.4	18.6	16.7	14.9
	85°	4.1	3.9	3.7	3.4	3.2	3.0	2.5	2.3	1.8
	87.5°	1.4	1.1	0.9	0.7	0.7	0.2	0.2	0.2	0.0
	90°	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
	95°	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
	100°	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
	105°	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
	110°	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):

[illegible]

REPORT NUMBER: P1049209

CATALOG NUMBER: GALN-SA1A-840-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0.0	0.0	2.5°	13.1	12.8	12.8	12.8	12.8	12.6	12.6	12.6	12.6
0.0	0.0	5°	14.4	14.4	14.2	14.2	14.0	14.0	13.7	13.7	13.5
0.0	0.0	7.5°	17.0	16.7	16.5	16.3	16.0	15.6	15.4	15.1	15.1
0.0	0.0	10°	20.4	19.9	19.7	19.2	19.0	18.6	18.1	17.6	17.2
0.0	0.0	12.5°	26.8	25.9	25.2	24.3	23.4	22.7	21.8	21.1	20.2
0.0	0.0	15°	46.5	44.2	41.7	38.7	35.5	32.5	29.3	27.5	25.4
0.0	0.0	17.5°	118.9	107.0	94.9	85.0	75.2	65.5	55.7	48.6	41.5
0.0	0.0	20°	302.7	269.7	236.7	204.2	171.4	138.9	106.1	89.6	73.1
0.0	0.0	22.5°	569.6	508.4	447.0	387.7	328.1	268.8	209.4	172.1	135.0
0.0	0.0	25°	879.2	802.2	725.2	627.6	529.8	432.1	334.5	273.8	213.1
0.0	0.0	27.5°	1144.1	1055.4	966.7	848.0	729.3	610.6	491.9	401.4	311.2
0.0	0.0	30°	1373.4	1278.1	1182.8	1044.6	906.5	768.3	630.1	516.9	403.7
0.0	0.0	32.5°	1572.3	1458.2	1344.1	1201.6	1059.1	916.5	774.0	635.2	496.3
0.0	0.0	35°	1801.7	1668.5	1535.2	1377.1	1218.8	1060.7	902.6	745.8	588.9
0.0	0.0	37.5°	2093.1	1929.8	1766.2	1590.0	1413.8	1237.8	1061.6	882.4	703.2
0.0	0.0	40°	2651.1	2440.3	2229.5	2005.6	1781.5	1557.6	1333.8	1113.8	893.8
0.0	0.0	42.5°	3650.8	3366.0	3081.2	2783.3	2485.2	2187.3	1889.2	1579.0	1268.5
0.0	0.0	45°	4779.0	4425.7	4072.2	3737.8	3403.3	3069.0	2734.7	2309.0	1883.2
0.0	0.0	47.5°	5413.5	5032.0	4650.5	4334.1	4017.6	3701.2	3384.8	2925.8	2466.8
0.0	0.0	50°	5647.0	5258.6	4870.2	4579.0	4287.5	3996.3	3704.9	3245.2	2785.3
0.0	0.0	52.5°	5696.7	5300.5	4904.4	4611.3	4318.2	4025.4	3732.3	3275.7	2819.0
0.0	0.0	55°	5798.9	5373.9	4948.6	4614.5	4280.4	3946.4	3612.3	3148.3	2684.3
0.0	0.0	57.5°	5932.5	5496.7	5060.9	4680.3	4299.7	3919.3	3538.7	3031.4	2524.1
0.0	0.0	60°	5897.4	5518.2	5138.8	4731.1	4323.3	3915.7	3507.8	2949.9	2391.7
0.0	0.0	62.5°	5288.9	4986.9	4684.6	4349.4	4014.0	3678.7	3343.5	2769.1	2194.6
0.0	0.0	65°	4351.0	4130.6	3910.2	3640.5	3370.5	3100.9	2831.2	2316.1	1801.2
0.0	0.0	67.5°	3526.4	3278.0	3029.4	2814.4	2599.3	2384.4	2169.2	1763.9	1358.5
		70°	2801.6	2531.5	2261.1	2051.2	1841.1	1631.2	1421.3	1151.9	882.6
		72.5°	2224.9	1981.3	1737.7	1513.9	1289.8	1065.9	841.8	682.6	523.3
		75°	1063.4	966.0	868.6	751.6	634.5	517.4	400.3	330.9	261.7
		77.5°	394.1	341.6	288.9	241.3	193.6	146.2	98.5	90.3	82.0
		80°	102.0	88.9	75.6	66.2	56.6	47.2	37.8	34.1	30.7
		82.5°	11.7	10.8	10.1	9.6	8.9	8.5	7.8	7.1	6.4
		85°	0.7	0.5	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
		90°	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
		95°	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
		100°	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
		105°	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
		110°	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):

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REPORT NUMBER: P1049209

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CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	13.3	13.3
0.0	0.0	2.5°	12.4	12.1
0.0	0.0	5°	13.1	12.8
0.0	0.0	7.5°	14.4	14.0
0.0	0.0	10°	15.8	15.4
0.0	0.0	12.5°	17.9	17.2
0.0	0.0	15°	20.2	18.8
0.0	0.0	17.5°	24.1	21.1
0.0	0.0	20°	32.5	25.0
0.0	0.0	22.5°	45.8	31.2
0.0	0.0	25°	67.4	43.1
0.0	0.0	27.5°	93.7	57.3
0.0	0.0	30°	124.6	71.7
0.0	0.0	32.5°	151.9	85.5
0.0	0.0	35°	187.4	99.4
0.0	0.0	37.5°	231.2	117.3
0.0	0.0	40°	299.0	144.4
0.0	0.0	42.5°	421.1	194.3
0.0	0.0	45°	684.0	335.9
0.0	0.0	47.5°	1052.4	555.6
0.0	0.0	50°	1287.5	709.2
0.0	0.0	52.5°	1306.7	708.0
0.0	0.0	55°	1192.9	629.4
0.0	0.0	57.5°	1017.8	526.1
0.0	0.0	60°	846.0	416.1
0.0	0.0	62.5°	666.5	287.3
0.0	0.0	65°	487.1	203.2
0.0	0.0	67.5°	349.9	151.9
		70°	230.0	116.4
		72.5°	149.9	94.9
		75°	100.8	78.6
		77.5°	58.9	52.2
		80°	20.9	18.3
		82.5°	3.9	2.7
		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: P1049209

CATALOG NUMBER: GALN-SA1A-840-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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

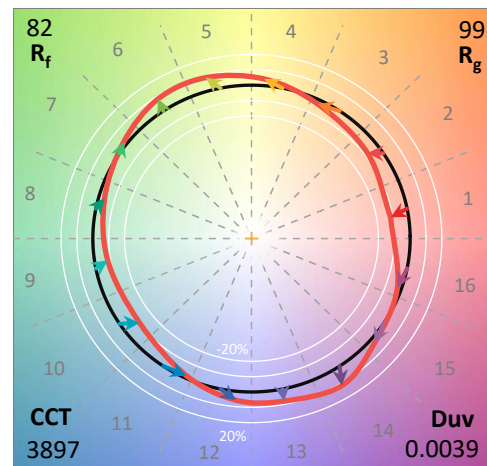
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

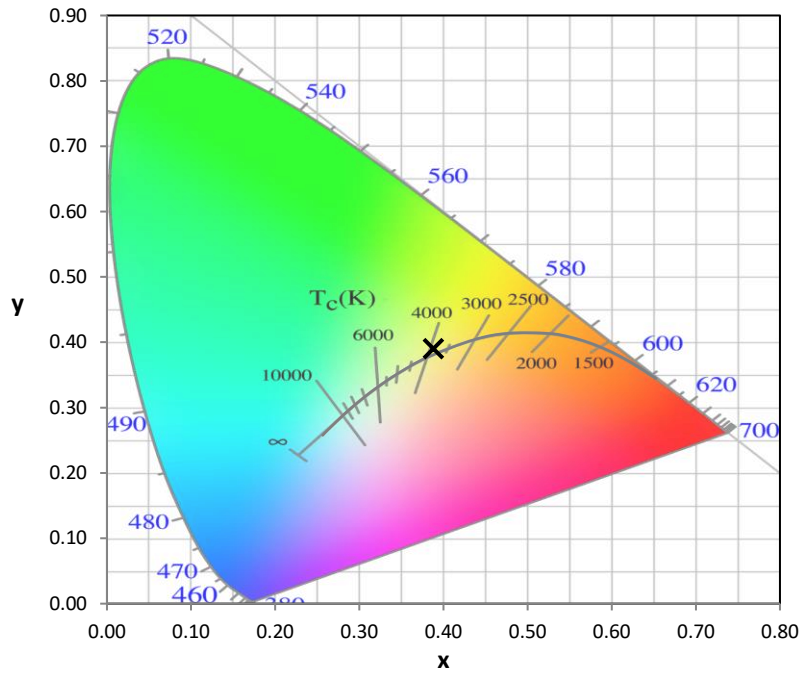
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

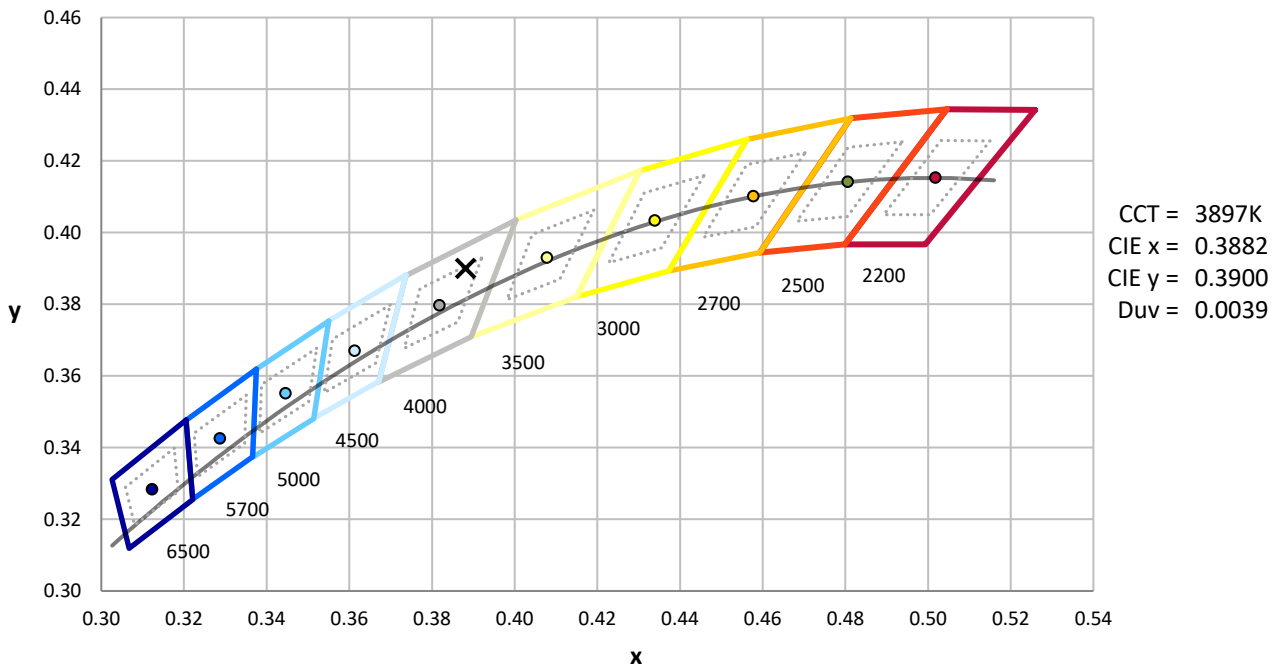
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



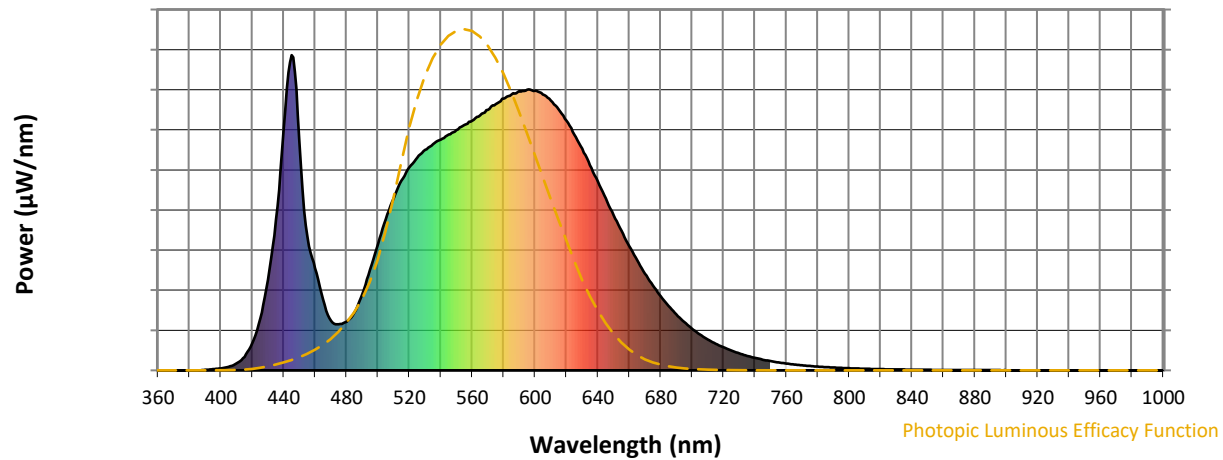
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

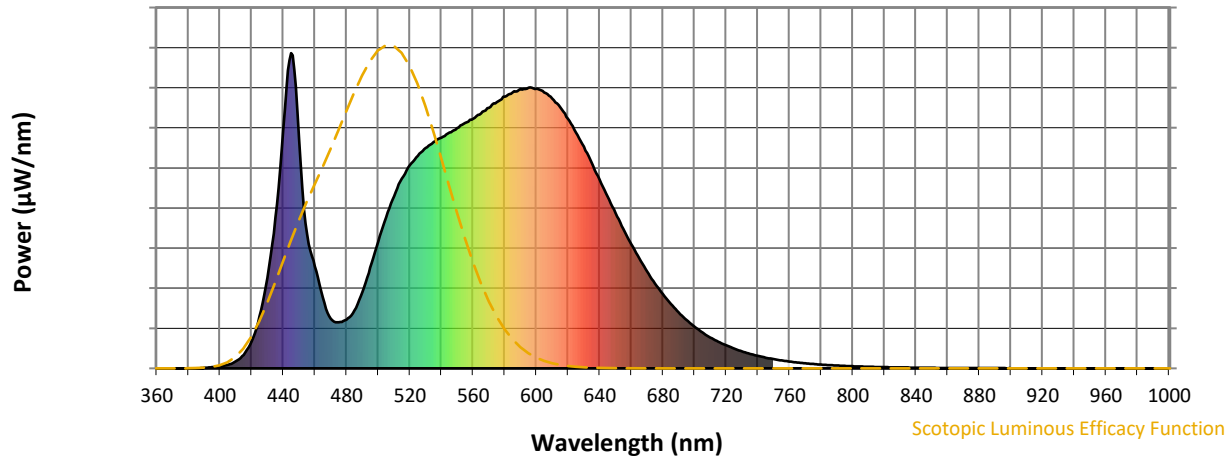


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength



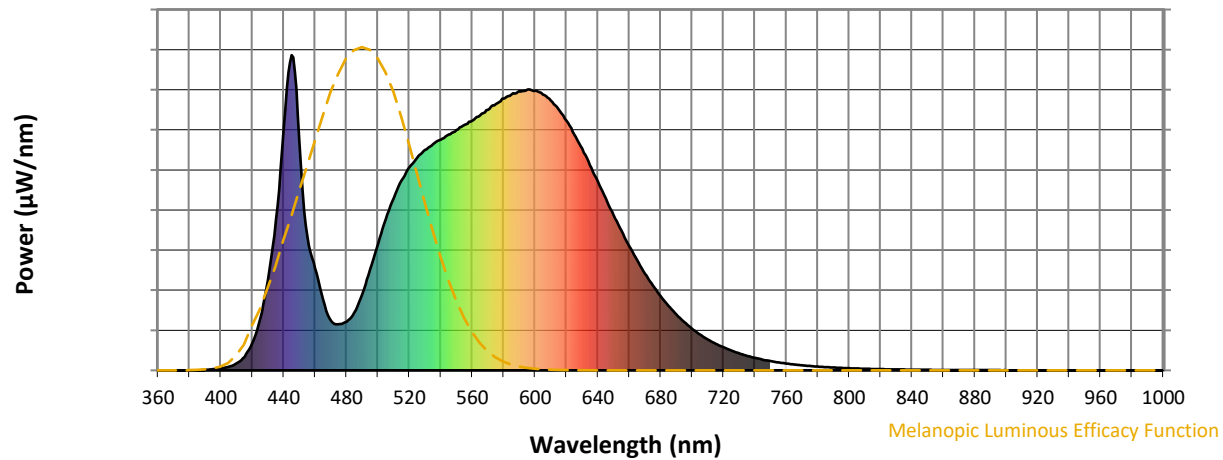
Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

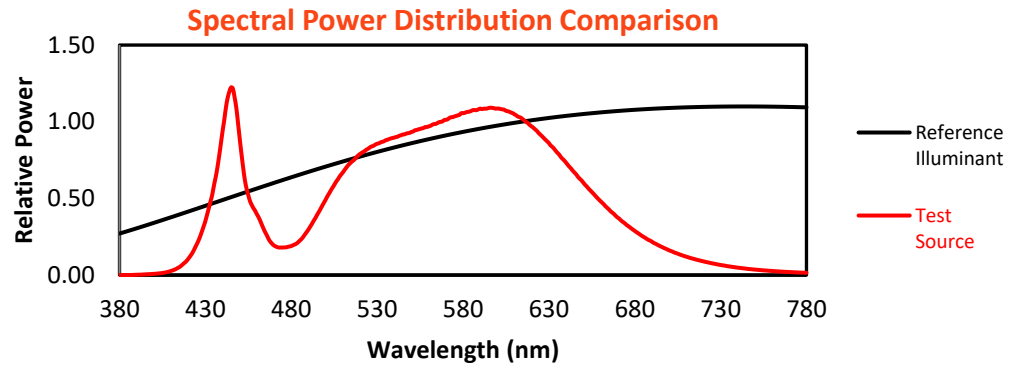
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

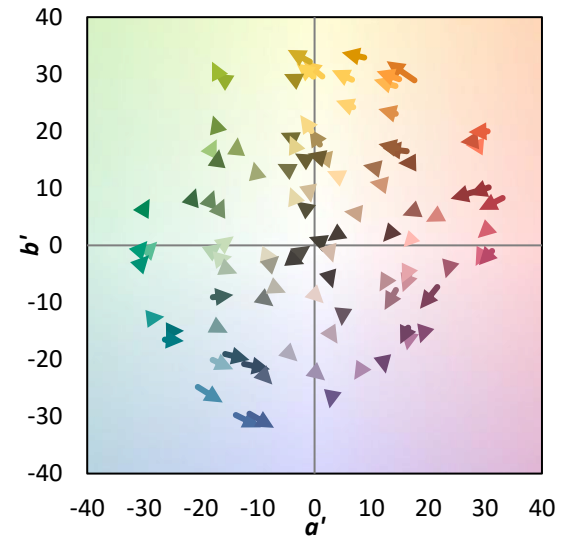
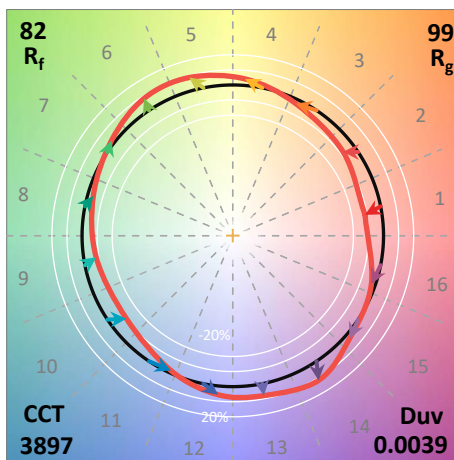
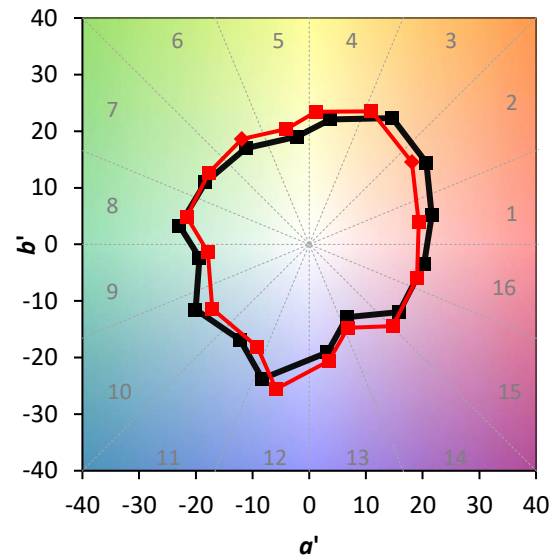
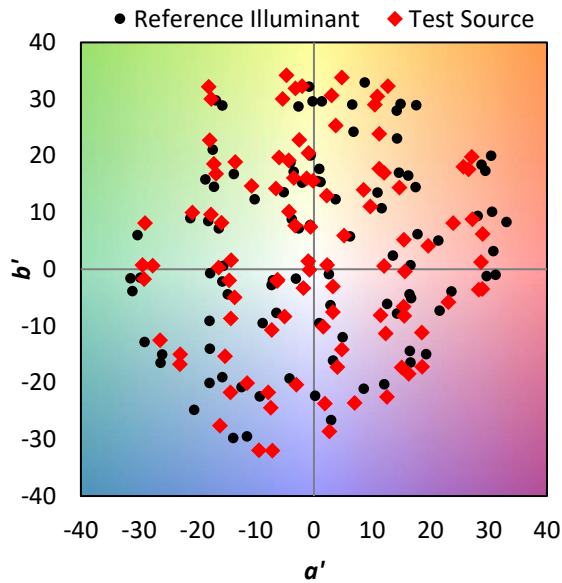
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$

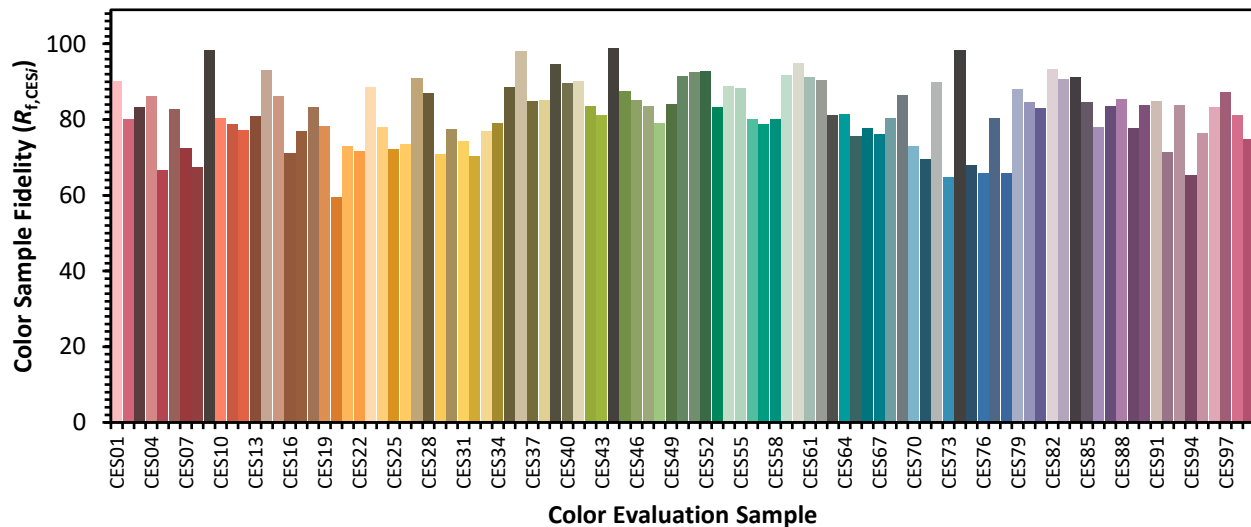


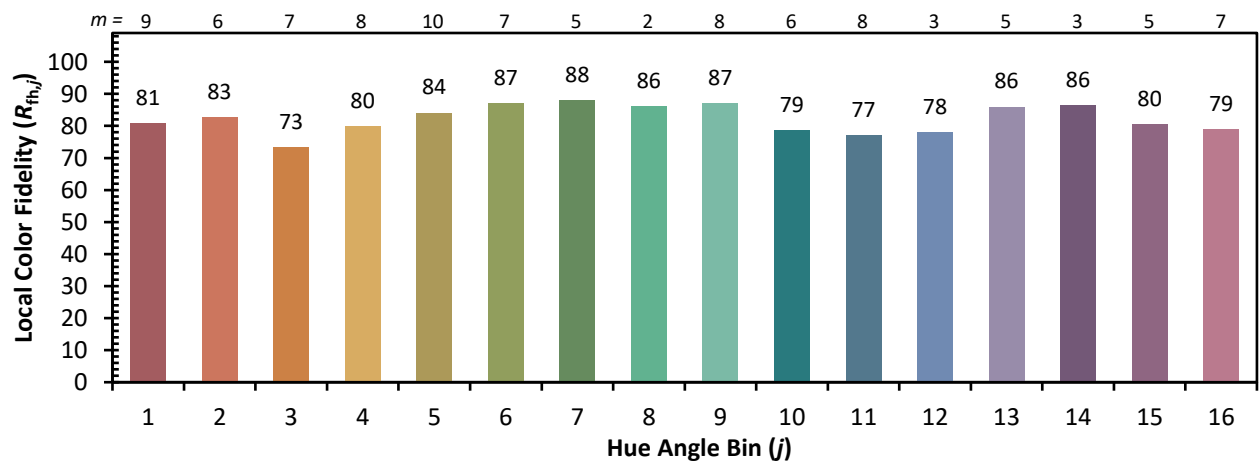
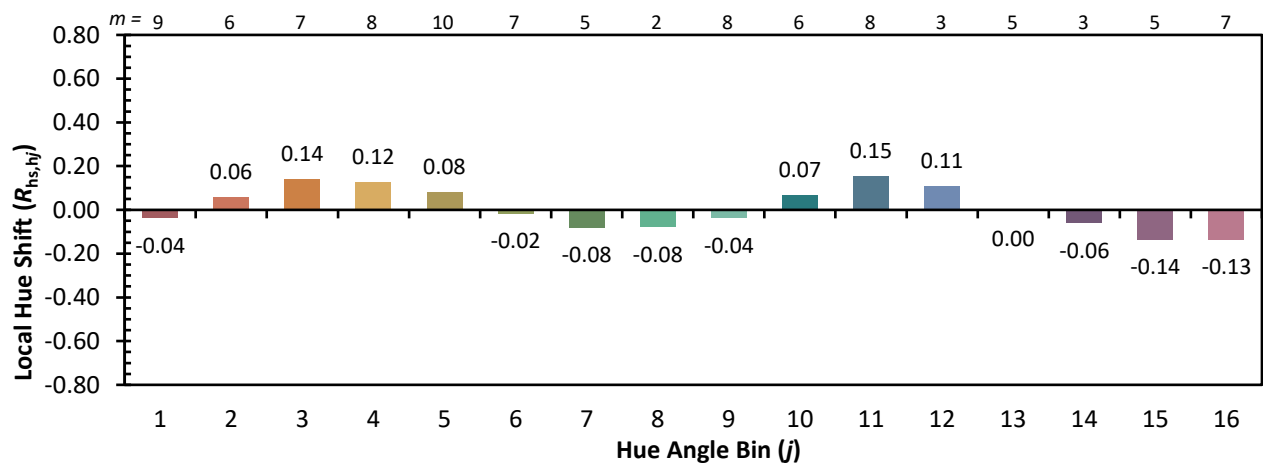
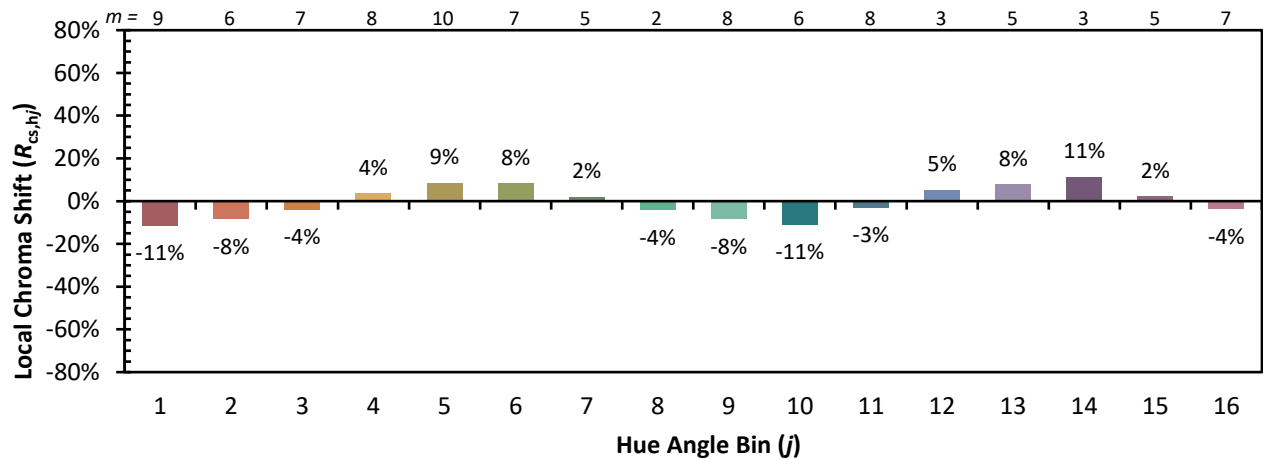
Color Vector Graphics



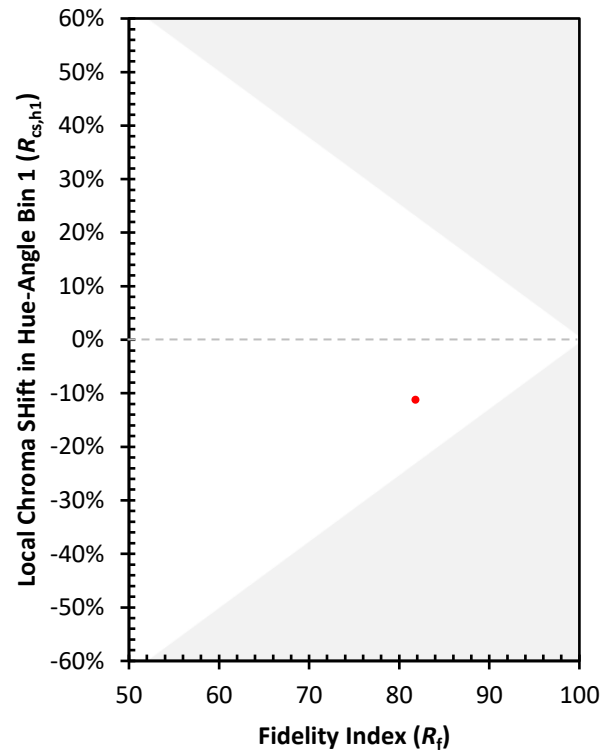
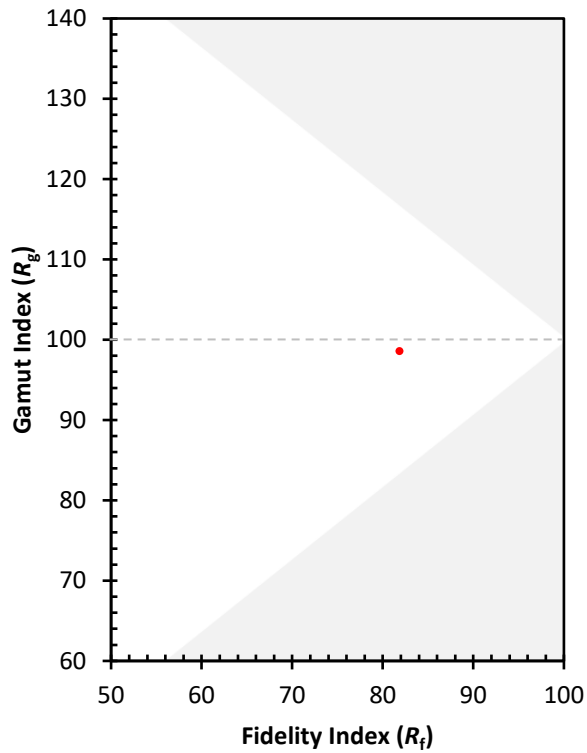
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)