

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: P1049005

Luminaire Tested: **GALN-SA4A-735-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049005
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-735-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13077.4 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

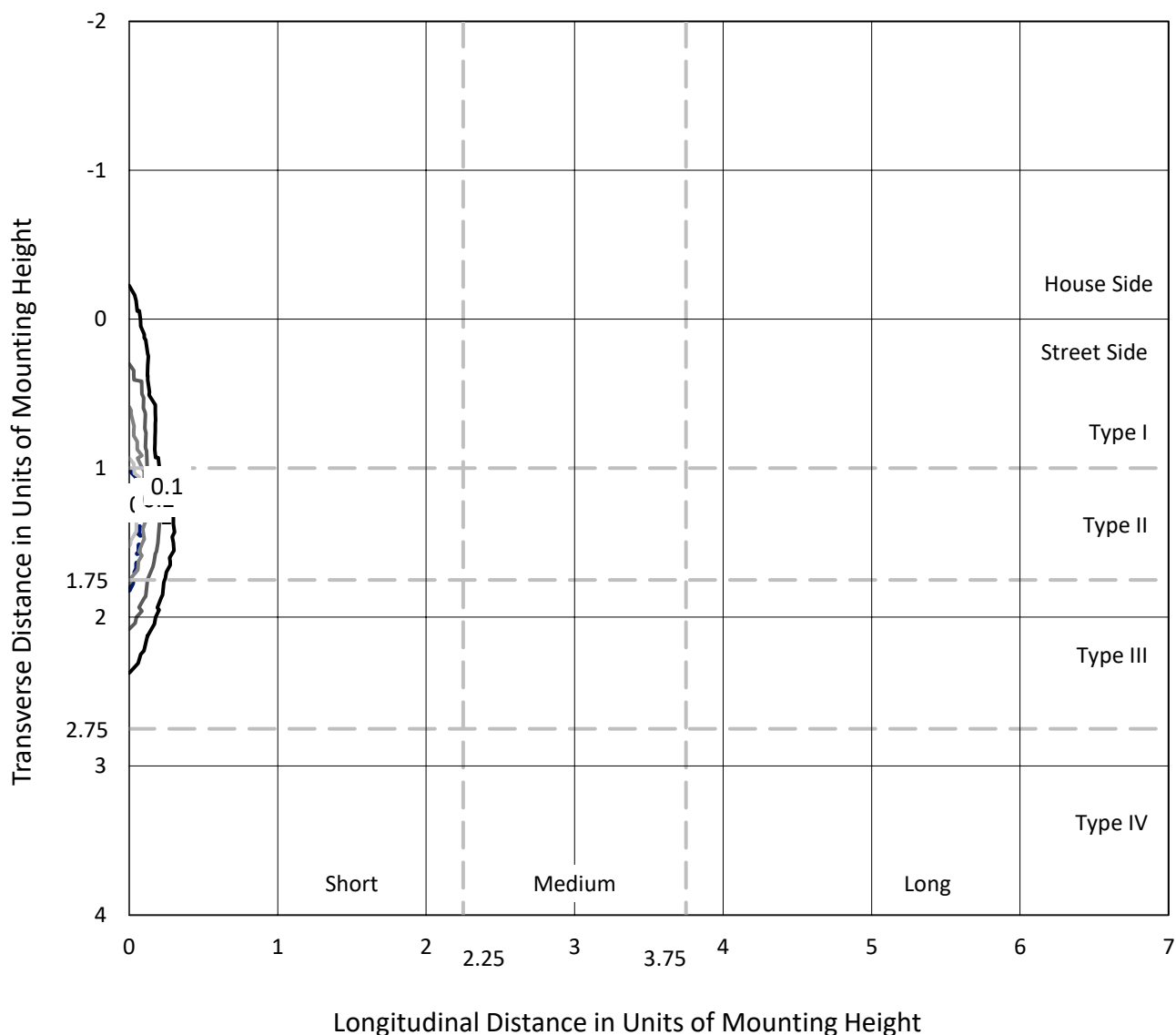
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

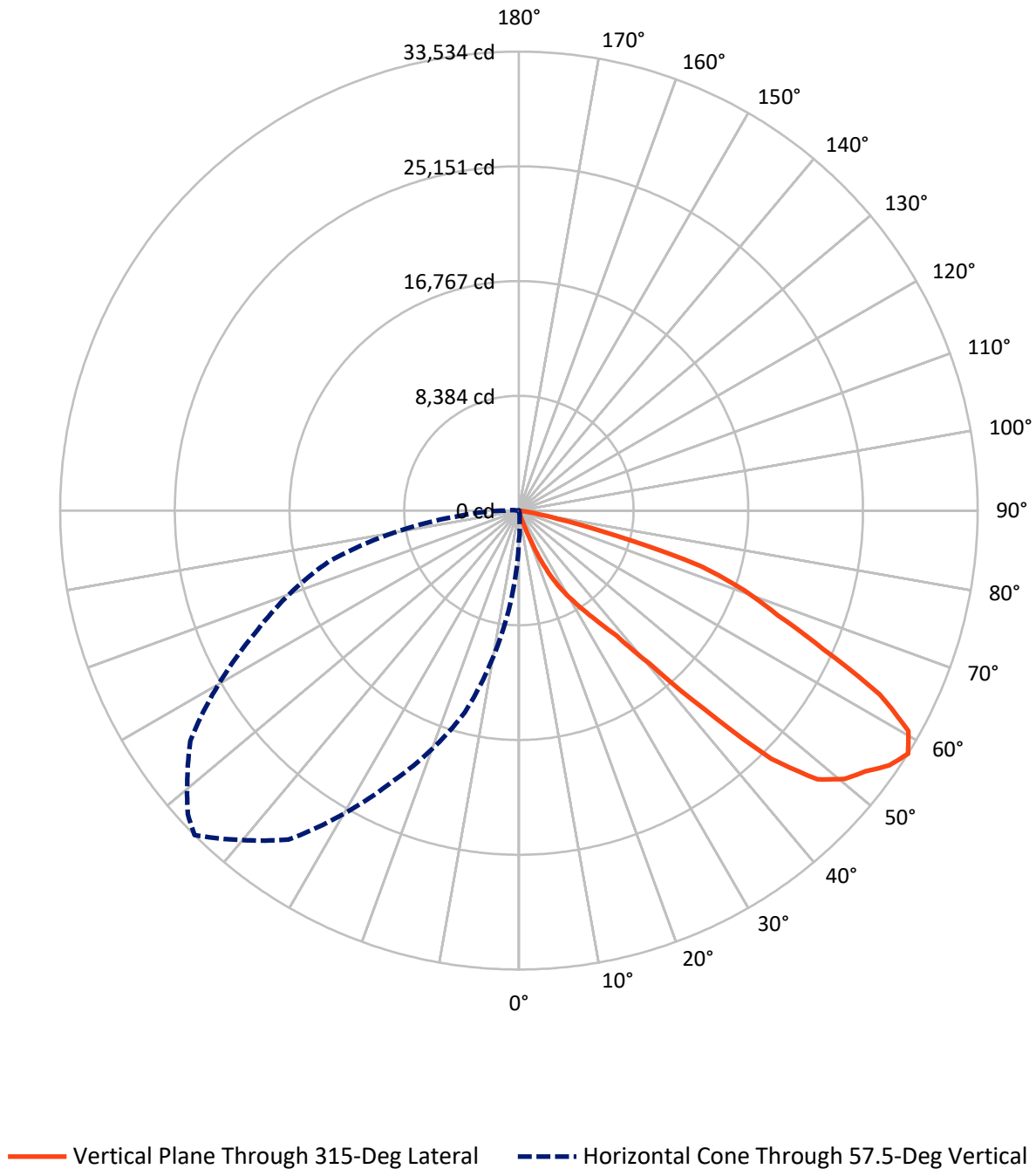


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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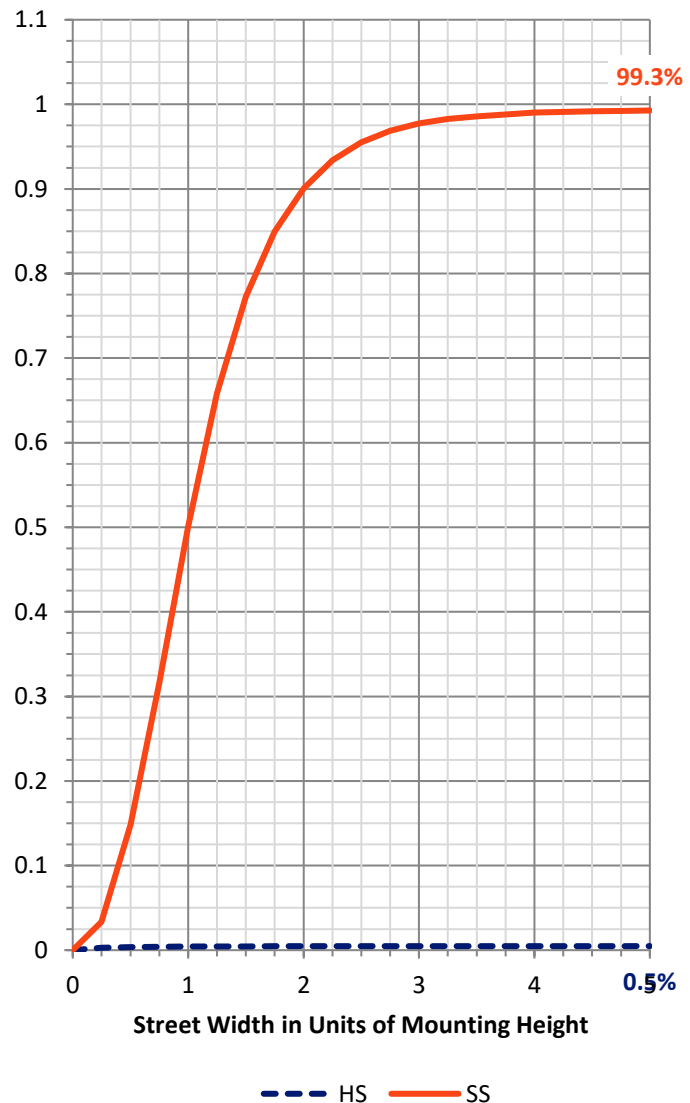
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	65.5	0.0	65.5
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	13011.9	0.0	13011.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	13077.4	0.0	13077.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.0
10°-20°	28.7	0.2
20°-30°	309.9	2.4
30°-40°	916.5	7.0
40°-50°	2731.3	20.9
50°-60°	4330.9	33.1
60°-70°	3615.3	27.6
70°-80°	1114.8	8.5
80°-90°	24.8	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°	13077.4	100.0
0°-180°	13077.4	100.0



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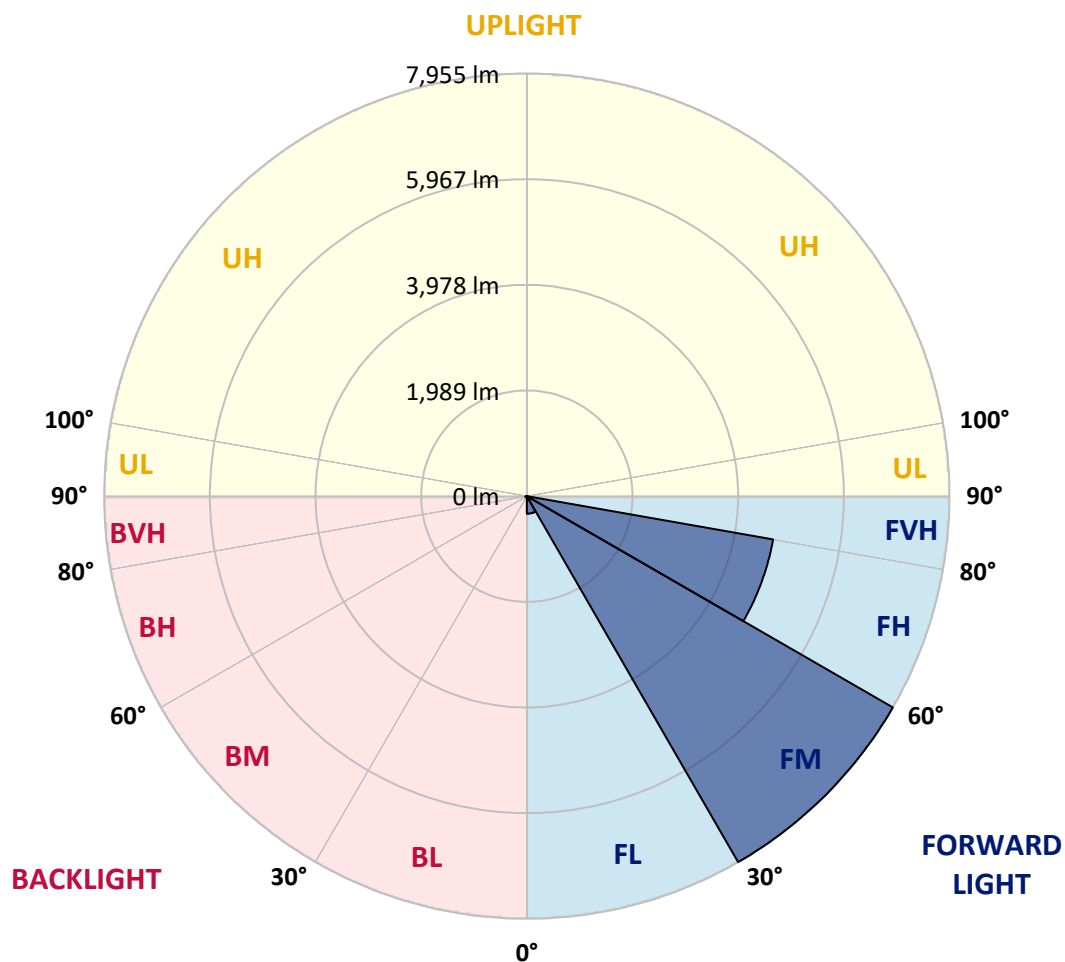
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.7	2.5			
FM	(30°-60°)	7955.3	60.8			
FH	(60°-80°)	4705.7	36.0			G2/5000
FVH	(80°-90°)	19.2	0.1			G1/100
BL	(0°-30°)	12.0	0.1	B0/110		
BM	(30°-60°)	23.4	0.2	B0/220		
BH	(60°-80°)	24.4	0.2	B0/110		G0/110
BVH	(80°-90°)	5.6	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-G2

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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2.5°	52.4	52.4	52.4	52.4	51.4	51.4	50.4	50.4	49.4	49.4
5°	55.3	55.3	54.4	53.4	53.4	52.4	51.4	50.4	50.4	49.4
7.5°	60.3	59.3	58.3	57.3	55.3	54.4	52.4	51.4	50.4	48.4
10°	66.2	64.2	62.3	60.3	58.3	56.3	54.4	53.4	51.4	50.4
12.5°	74.1	71.2	67.2	64.2	62.3	59.3	57.3	55.3	52.4	50.4
15°	81.0	77.1	72.1	68.2	65.2	61.3	58.3	55.3	53.4	50.4
17.5°	90.9	84.0	76.1	71.2	67.2	62.3	57.3	54.4	51.4	47.4
20°	107.7	93.9	79.1	73.1	67.2	61.3	55.3	51.4	48.4	44.5
22.5°	134.4	110.7	87.0	78.1	70.2	61.3	53.4	49.4	45.5	41.5
25°	185.8	143.3	100.8	88.9	77.1	65.2	53.4	48.4	44.5	39.5
27.5°	247.1	183.8	119.6	102.8	87.0	70.2	53.4	47.4	42.5	36.6
30°	309.3	225.3	140.3	118.6	96.8	75.1	53.4	46.4	40.5	33.6
32.5°	368.6	263.9	158.1	132.4	106.7	80.0	54.4	46.4	38.5	30.6
35°	428.9	295.5	161.1	134.4	107.7	80.0	53.4	44.5	36.6	27.7
37.5°	506.0	331.1	155.2	128.5	102.8	76.1	50.4	42.5	34.6	25.7
40°	622.6	390.4	158.1	130.4	102.8	75.1	47.4	39.5	32.6	24.7
42.5°	838.0	505.0	171.0	139.3	107.7	75.1	43.5	36.6	30.6	23.7
45°	1448.8	839.0	229.3	181.8	134.4	87.0	39.5	33.6	28.7	22.7
47.5°	2396.5	1404.3	412.1	318.2	225.3	131.4	38.5	33.6	28.7	22.7
50°	3058.6	1788.7	518.8	399.3	279.7	160.1	40.5	34.6	29.6	23.7
52.5°	3053.7	1816.4	578.1	443.7	310.3	175.9	42.5	36.6	31.6	25.7
55°	2714.7	1652.3	589.0	452.6	317.2	180.8	45.5	39.5	33.6	27.7
57.5°	2269.0	1403.3	537.6	416.1	295.5	173.9	52.4	45.5	39.5	32.6
60°	1794.7	1106.8	419.0	331.1	244.1	156.1	69.2	60.3	52.4	43.5
62.5°	1239.3	802.5	365.7	293.5	222.4	150.2	79.1	70.2	62.3	53.4
65°	876.6	603.8	330.1	268.8	208.5	147.2	86.0	76.1	67.2	57.3
67.5°	655.2	480.3	304.4	252.0	199.6	147.2	94.9	83.0	72.1	60.3
70°	502.0	394.3	285.6	243.1	201.6	159.1	116.6	99.8	84.0	67.2
72.5°	409.1	337.0	263.9	233.2	202.6	172.0	141.3	119.6	97.8	75.1
75°	339.0	288.6	238.2	212.5	187.8	162.1	136.4	116.6	97.8	78.1
77.5°	225.3	205.6	184.8	170.0	155.2	139.3	124.5	107.7	91.9	75.1
80°	79.1	76.1	73.1	79.1	85.0	90.9	96.8	85.0	74.1	62.3
82.5°	11.9	10.9	9.9	10.9	11.9	12.8	13.8	14.8	15.8	16.8
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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	48.4	48.4	47.4	47.4	47.4	46.4	46.4	45.5	45.5	45.5
0.0	5°	47.4	47.4	46.4	45.5	44.5	44.5	43.5	42.5	42.5	41.5
0.0	7.5°	46.4	45.5	44.5	43.5	42.5	41.5	40.5	39.5	39.5	38.5
0.0	10°	47.4	45.5	44.5	42.5	41.5	40.5	38.5	37.6	36.6	36.6
0.0	12.5°	45.5	44.5	42.5	40.5	39.5	37.6	36.6	34.6	33.6	33.6
0.0	15°	45.5	43.5	40.5	38.5	36.6	35.6	33.6	31.6	30.6	29.6
0.0	17.5°	42.5	40.5	37.6	35.6	33.6	31.6	29.6	27.7	26.7	25.7
0.0	20°	38.5	36.6	33.6	30.6	28.7	26.7	24.7	22.7	21.7	20.8
0.0	22.5°	34.6	32.6	29.6	26.7	24.7	22.7	19.8	17.8	16.8	14.8
0.0	25°	32.6	29.6	26.7	23.7	20.8	18.8	15.8	12.8	10.9	8.9
0.0	27.5°	27.7	24.7	21.7	18.8	15.8	12.8	9.9	6.9	4.9	4.0
0.0	30°	23.7	20.8	17.8	14.8	10.9	7.9	4.9	1.0	1.0	1.0
0.0	32.5°	19.8	16.8	12.8	9.9	7.9	4.9	3.0	0.0	0.0	0.0
0.0	35°	15.8	12.8	8.9	5.9	4.9	3.0	2.0	0.0	0.0	0.0
0.0	37.5°	13.8	10.9	6.9	3.0	2.0	2.0	1.0	0.0	0.0	0.0
0.0	40°	12.8	8.9	4.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0
0.0	42.5°	12.8	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	12.8	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	12.8	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	13.8	9.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	15.8	11.9	7.9	4.0	3.0	2.0	1.0	0.0	0.0	0.0
0.0	55°	19.8	17.8	14.8	12.8	9.9	6.9	3.0	0.0	0.0	0.0
0.0	57.5°	25.7	25.7	24.7	23.7	17.8	11.9	5.9	0.0	0.0	0.0
0.0	60°	34.6	34.6	34.6	34.6	25.7	17.8	8.9	0.0	0.0	0.0
0.0	62.5°	42.5	40.5	37.6	35.6	26.7	17.8	8.9	0.0	0.0	0.0
0.0	65°	42.5	38.5	33.6	28.7	21.7	14.8	6.9	0.0	0.0	0.0
0.0	67.5°	39.5	31.6	22.7	14.8	10.9	7.9	4.0	0.0	0.0	0.0
	70°	39.5	27.7	15.8	4.0	3.0	2.0	1.0	0.0	0.0	0.0
	72.5°	39.5	26.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	43.5	29.6	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	43.5	29.6	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	38.5	25.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	12.8	8.9	4.0	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]

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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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	44.5	44.5	44.5	43.5	43.5	43.5	43.5	42.5	42.5	42.5
0.0	5°	40.5	40.5	39.5	39.5	38.5	38.5	37.6	37.6	36.6	36.6
0.0	7.5°	37.6	36.6	36.6	35.6	34.6	34.6	33.6	33.6	32.6	31.6
0.0	10°	34.6	33.6	33.6	32.6	31.6	30.6	30.6	29.6	28.7	27.7
0.0	12.5°	31.6	30.6	29.6	28.7	27.7	26.7	26.7	25.7	24.7	23.7
0.0	15°	27.7	26.7	25.7	24.7	23.7	22.7	22.7	21.7	20.8	19.8
0.0	17.5°	23.7	22.7	22.7	21.7	20.8	19.8	18.8	16.8	15.8	14.8
0.0	20°	17.8	16.8	15.8	14.8	13.8	11.9	10.9	8.9	6.9	5.9
0.0	22.5°	11.9	9.9	8.9	6.9	4.9	4.0	3.0	1.0	0.0	0.0
0.0	25°	4.0	3.0	2.0	1.0	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

CATALOG NUMBER: GALN-SA4A-735-U-RBC

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	41.5	41.5	41.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
0.0	5°	35.6	35.6	35.6	34.6	34.6	33.6	33.6	33.6	32.6	32.6
0.0	7.5°	30.6	29.6	29.6	28.7	28.7	27.7	27.7	27.7	26.7	26.7
0.0	10°	25.7	24.7	24.7	23.7	23.7	22.7	22.7	21.7	21.7	20.8
0.0	12.5°	22.7	21.7	20.8	19.8	19.8	18.8	17.8	17.8	16.8	15.8
0.0	15°	17.8	16.8	15.8	14.8	13.8	12.8	11.9	11.9	10.9	9.9
0.0	17.5°	11.9	9.9	8.9	7.9	7.9	6.9	5.9	4.9	4.0	3.0
0.0	20°	3.0	2.0	1.0	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
	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



REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	40.5	39.5	39.5	39.5	40.5	40.5	40.5	40.5	40.5	40.5
0.0	5°	32.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
0.0	7.5°	26.7	25.7	25.7	25.7	25.7	24.7	24.7	24.7	24.7	24.7
0.0	10°	20.8	19.8	19.8	19.8	19.8	18.8	18.8	18.8	18.8	18.8
0.0	12.5°	14.8	14.8	13.8	13.8	13.8	12.8	12.8	12.8	12.8	11.9
0.0	15°	8.9	7.9	6.9	6.9	6.9	5.9	5.9	5.9	5.9	4.9
0.0	17.5°	2.0	2.0	1.0	1.0	1.0	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



REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	41.5	41.5	42.5	42.5	43.5	45.5	46.4	47.4	49.4	51.4
0.0	5°	32.6	33.6	33.6	34.6	35.6	36.6	37.6	38.5	40.5	42.5
0.0	7.5°	25.7	25.7	26.7	26.7	27.7	29.6	30.6	31.6	33.6	36.6
0.0	10°	19.8	19.8	20.8	20.8	21.7	23.7	24.7	25.7	27.7	30.6
0.0	12.5°	12.8	13.8	13.8	14.8	15.8	17.8	18.8	19.8	21.7	23.7
0.0	15°	5.9	6.9	6.9	7.9	8.9	10.9	11.9	12.8	14.8	17.8
0.0	17.5°	1.0	1.0	2.0	2.0	3.0	4.0	4.9	5.9	8.9	10.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	54.4	56.3	58.3	60.3	62.3	64.2	65.2	67.2	68.2	69.2
0.0	5°	46.4	48.4	51.4	53.4	55.3	57.3	59.3	60.3	61.3	62.3
0.0	7.5°	40.5	42.5	45.5	47.4	49.4	51.4	53.4	55.3	56.3	57.3
0.0	10°	34.6	37.6	39.5	42.5	44.5	46.4	48.4	50.4	52.4	53.4
0.0	12.5°	27.7	30.6	33.6	35.6	38.5	41.5	43.5	45.5	47.4	49.4
0.0	15°	21.7	24.7	27.7	29.6	32.6	35.6	38.5	40.5	42.5	44.5
0.0	17.5°	15.8	18.8	21.7	23.7	26.7	29.6	31.6	34.6	36.6	38.5
0.0	20°	7.9	10.9	13.8	16.8	19.8	22.7	24.7	27.7	29.6	31.6
0.0	22.5°	1.0	4.0	6.9	8.9	11.9	14.8	16.8	19.8	21.7	23.7
0.0	25°	0.0	1.0	3.0	4.0	4.9	6.9	8.9	10.9	12.8	14.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.0	5.9	7.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	1.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
	85°	0.0	0.0	0.0	0.0	0.0	2.0	3.0	4.9	5.9	6.9
	87.5°	0.0	1.0	2.0	3.0	4.0	5.9	7.9	9.9	10.9	11.9
	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: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
57.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0	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											
0.0											
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REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	70.2	70.2	70.2	70.2	69.2	69.2	69.2	68.2	68.2	67.2
0.0	5°	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	64.2	64.2
0.0	7.5°	59.3	60.3	61.3	61.3	62.3	62.3	62.3	61.3	61.3	60.3
0.0	10°	56.3	57.3	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
0.0	12.5°	52.4	53.4	54.4	54.4	55.3	55.3	55.3	55.3	54.4	54.4
0.0	15°	47.4	49.4	50.4	51.4	51.4	52.4	52.4	52.4	52.4	52.4
0.0	17.5°	43.5	45.5	46.4	47.4	47.4	48.4	48.4	49.4	49.4	49.4
0.0	20°	35.6	37.6	38.5	40.5	41.5	42.5	43.5	44.5	44.5	45.5
0.0	22.5°	27.7	29.6	30.6	32.6	33.6	34.6	35.6	36.6	37.6	38.5
0.0	25°	19.8	21.7	22.7	24.7	25.7	26.7	27.7	28.7	28.7	29.6
0.0	27.5°	10.9	12.8	14.8	15.8	17.8	18.8	19.8	20.8	21.7	22.7
0.0	30°	4.9	5.9	6.9	8.9	9.9	10.9	11.9	13.8	14.8	15.8
0.0	32.5°	0.0	0.0	1.0	3.0	4.0	4.9	5.9	6.9	6.9	7.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	4.0
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°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	82.5°	4.9	5.9	6.9	6.9	7.9	7.9	7.9	7.9	6.9	6.9
	85°	9.9	10.9	11.9	11.9	12.8	12.8	12.8	12.8	12.8	12.8
	87.5°	13.8	14.8	15.8	15.8	16.8	16.8	16.8	16.8	16.8	16.8
	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: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
57.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	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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REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	66.2	66.2	65.2	65.2	65.2	65.2	65.2	66.2	67.2	67.2
0.0	5°	63.2	63.2	62.3	62.3	62.3	63.2	63.2	64.2	65.2	66.2
0.0	7.5°	60.3	59.3	59.3	60.3	60.3	61.3	61.3	62.3	63.2	64.2
0.0	10°	58.3	57.3	57.3	57.3	58.3	58.3	59.3	60.3	61.3	62.3
0.0	12.5°	54.4	54.4	54.4	54.4	55.3	55.3	56.3	57.3	59.3	60.3
0.0	15°	52.4	51.4	51.4	51.4	51.4	52.4	52.4	54.4	56.3	57.3
0.0	17.5°	48.4	48.4	47.4	47.4	48.4	48.4	49.4	51.4	53.4	54.4
0.0	20°	44.5	43.5	42.5	42.5	43.5	43.5	44.5	46.4	48.4	49.4
0.0	22.5°	38.5	37.6	37.6	37.6	37.6	38.5	38.5	40.5	43.5	45.5
0.0	25°	30.6	31.6	31.6	32.6	32.6	33.6	34.6	36.6	39.5	41.5
0.0	27.5°	23.7	24.7	24.7	26.7	27.7	28.7	29.6	32.6	35.6	37.6
0.0	30°	17.8	18.8	19.8	20.8	22.7	24.7	26.7	29.6	32.6	34.6
0.0	32.5°	10.9	12.8	13.8	15.8	17.8	19.8	21.7	24.7	28.7	31.6
0.0	35°	7.9	8.9	10.9	11.9	13.8	15.8	17.8	21.7	24.7	28.7
0.0	37.5°	4.0	5.9	7.9	9.9	11.9	13.8	15.8	19.8	23.7	26.7
0.0	40°	3.0	4.9	5.9	7.9	10.9	12.8	14.8	18.8	22.7	26.7
0.0	42.5°	2.0	3.0	4.0	6.9	8.9	11.9	14.8	18.8	22.7	26.7
0.0	45°	2.0	2.0	3.0	5.9	8.9	12.8	15.8	19.8	22.7	26.7
0.0	47.5°	2.0	3.0	4.0	7.9	9.9	12.8	15.8	18.8	22.7	25.7
0.0	50°	3.0	4.0	4.9	8.9	10.9	13.8	15.8	19.8	22.7	26.7
0.0	52.5°	2.0	3.0	4.0	7.9	10.9	14.8	17.8	21.7	25.7	28.7
0.0	55°	1.0	1.0	1.0	5.9	11.9	16.8	22.7	25.7	29.6	32.6
0.0	57.5°	0.0	0.0	0.0	4.0	11.9	18.8	25.7	29.6	33.6	36.6
0.0	60°	0.0	0.0	0.0	4.0	11.9	18.8	25.7	30.6	35.6	40.5
0.0	62.5°	0.0	0.0	0.0	4.0	9.9	15.8	21.7	29.6	38.5	46.4
0.0	65°	0.0	0.0	0.0	3.0	7.9	12.8	17.8	29.6	41.5	52.4
0.0	67.5°	0.0	0.0	0.0	3.0	7.9	11.9	16.8	29.6	41.5	54.4
	70°	0.0	0.0	0.0	3.0	7.9	12.8	17.8	29.6	41.5	53.4
	72.5°	0.0	0.0	0.0	3.0	8.9	13.8	19.8	29.6	39.5	49.4
	75°	0.0	0.0	0.0	4.0	8.9	14.8	20.8	29.6	38.5	46.4
	77.5°	0.0	0.0	0.0	3.0	8.9	13.8	19.8	28.7	37.6	45.5
	80°	3.0	2.0	2.0	4.9	8.9	12.8	16.8	25.7	35.6	44.5
	82.5°	5.9	5.9	4.9	6.9	8.9	11.9	14.8	22.7	31.6	39.5
	85°	11.9	11.9	10.9	11.9	11.9	12.8	13.8	17.8	21.7	25.7
	87.5°	15.8	15.8	14.8	14.8	14.8	13.8	13.8	13.8	13.8	12.8
	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: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
57.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.2											
59.3											
55.3											
54.4											
53.4											
47.4											
29.6											
12.8											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	69.2	70.2	70.2	71.2	72.1	73.1	73.1	74.1	74.1	74.1
0.0	5°	68.2	70.2	71.2	72.1	73.1	74.1	75.1	76.1	77.1	77.1
0.0	7.5°	67.2	68.2	70.2	71.2	73.1	74.1	76.1	77.1	78.1	79.1
0.0	10°	65.2	67.2	69.2	71.2	73.1	75.1	77.1	79.1	81.0	82.0
0.0	12.5°	63.2	66.2	68.2	70.2	73.1	76.1	78.1	81.0	83.0	85.0
0.0	15°	62.3	64.2	67.2	69.2	73.1	77.1	80.0	84.0	88.0	90.9
0.0	17.5°	59.3	63.2	66.2	69.2	73.1	78.1	82.0	86.0	91.9	97.8
0.0	20°	55.3	58.3	62.3	65.2	71.2	76.1	82.0	87.0	95.9	104.8
0.0	22.5°	51.4	55.3	58.3	62.3	69.2	75.1	82.0	88.0	102.8	116.6
0.0	25°	47.4	52.4	56.3	60.3	68.2	76.1	84.0	91.9	116.6	141.3
0.0	27.5°	45.5	49.4	54.4	58.3	68.2	79.1	88.9	98.8	138.4	176.9
0.0	30°	42.5	47.4	51.4	56.3	69.2	82.0	94.9	107.7	168.0	228.3
0.0	32.5°	39.5	44.5	49.4	54.4	71.2	88.0	103.8	120.6	199.6	277.7
0.0	35°	36.6	42.5	47.4	52.4	74.1	96.8	118.6	140.3	228.3	315.3
0.0	37.5°	35.6	41.5	46.4	51.4	75.1	97.8	121.6	144.3	231.2	318.2
0.0	40°	36.6	41.5	47.4	52.4	72.1	91.9	110.7	130.4	221.4	311.3
0.0	42.5°	36.6	42.5	48.4	54.4	70.2	86.0	101.8	117.6	218.4	319.2
0.0	45°	35.6	41.5	47.4	53.4	68.2	82.0	96.8	110.7	236.2	360.7
0.0	47.5°	34.6	40.5	46.4	52.4	67.2	82.0	96.8	111.7	305.4	498.1
0.0	50°	34.6	40.5	45.5	50.4	68.2	87.0	104.8	122.5	444.7	765.9
0.0	52.5°	36.6	41.5	45.5	49.4	70.2	91.9	112.7	133.4	565.3	996.2
0.0	55°	39.5	42.5	46.4	49.4	75.1	99.8	125.5	150.2	601.8	1053.5
0.0	57.5°	43.5	46.4	49.4	52.4	84.0	115.6	146.3	177.9	604.8	1030.7
0.0	60°	48.4	52.4	55.3	58.3	91.9	126.5	160.1	193.7	547.5	900.3
0.0	62.5°	59.3	64.2	68.2	73.1	105.7	137.4	170.0	201.6	454.6	707.6
0.0	65°	68.2	72.1	76.1	80.0	111.7	144.3	175.9	207.5	385.4	563.3
0.0	67.5°	70.2	74.1	77.1	81.0	113.6	146.3	177.9	210.5	330.1	448.7
	70°	71.2	76.1	82.0	87.0	120.6	154.2	186.8	220.4	292.5	364.7
	72.5°	68.2	78.1	87.0	95.9	127.5	158.1	189.7	220.4	271.8	323.2
	75°	68.2	82.0	94.9	107.7	131.4	154.2	177.9	200.6	240.1	279.7
	77.5°	72.1	89.9	107.7	125.5	139.3	152.2	166.0	178.9	204.6	230.3
	80°	72.1	90.9	108.7	127.5	133.4	140.3	146.3	152.2	155.2	158.1
	82.5°	62.3	77.1	91.9	106.7	99.8	92.9	86.0	79.1	74.1	68.2
	85°	31.6	34.6	36.6	38.5	35.6	32.6	29.6	26.7	24.7	21.7
	87.5°	12.8	12.8	11.9	11.9	11.9	11.9	10.9	10.9	10.9	10.9
	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: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
57.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
292.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
396.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
495.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
562.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
612.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
663.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
761.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
959.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1462.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2240.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2820.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2884.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2603.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2225.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1739.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1314.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
970.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
686.8											
510.9											
371.6											
279.7											
157.1											
71.2											
20.8											
9.9											
0.0											
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REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	74.1	73.1	73.1	72.1	71.2	70.2	69.2	68.2	67.2	66.2
0.0	5°	77.1	77.1	77.1	76.1	76.1	75.1	75.1	74.1	73.1	72.1
0.0	7.5°	80.0	81.0	81.0	82.0	82.0	82.0	82.0	81.0	81.0	81.0
0.0	10°	85.0	86.0	87.0	88.0	88.9	89.9	89.9	90.9	90.9	90.9
0.0	12.5°	90.9	93.9	95.9	98.8	100.8	103.8	105.7	108.7	110.7	112.7
0.0	15°	99.8	104.8	110.7	115.6	120.6	127.5	135.4	142.3	149.2	160.1
0.0	17.5°	112.7	128.5	144.3	159.1	174.9	209.5	244.1	277.7	312.3	362.7
0.0	20°	137.4	184.8	231.2	278.7	325.1	446.7	567.3	688.8	809.4	938.8
0.0	22.5°	192.7	309.3	425.9	542.5	659.2	913.1	1166.1	1420.1	1673.1	1970.6
0.0	25°	279.7	494.1	708.6	922.0	1136.5	1533.8	1932.0	2329.3	2726.6	3113.0
0.0	27.5°	407.2	735.3	1063.4	1390.5	1718.6	2257.2	2796.7	3335.3	3873.9	4310.7
0.0	30°	564.3	1009.0	1453.7	1898.4	2343.1	2955.8	3568.6	4180.3	4793.0	5270.3
0.0	32.5°	712.5	1257.1	1801.6	2345.1	2889.6	3587.3	4286.0	4983.7	5681.4	6203.2
0.0	35°	809.4	1467.5	2126.7	2784.9	3443.1	4198.1	4953.1	5707.1	6462.1	7058.1
0.0	37.5°	906.2	1666.2	2425.2	3185.1	3944.1	4773.2	5602.4	6431.5	7260.7	7996.9
0.0	40°	1014.9	1906.3	2796.7	3688.1	4578.6	5560.9	6542.2	7524.5	8505.8	9544.5
0.0	42.5°	1203.7	2304.6	3406.5	4507.4	5608.3	6907.8	8207.4	9506.0	10805.5	12287.9
0.0	45°	1558.5	3110.0	4662.6	6214.1	7765.6	9487.2	11209.7	12931.2	14652.7	16625.3
0.0	47.5°	2427.1	4561.8	6695.4	8830.0	10963.6	12822.5	14680.4	16539.3	18397.2	20361.8
0.0	50°	3713.8	6198.3	8682.7	11166.2	13650.7	15332.7	17013.7	18695.7	20376.7	22245.4
0.0	52.5°	4644.8	7233.0	9822.2	12410.4	14998.6	16516.6	18035.5	19553.5	21071.4	22817.6
0.0	55°	4714.9	7288.3	9862.7	12436.1	15009.5	16534.4	18059.2	19584.1	21109.0	22960.0
0.0	57.5°	4174.4	6727.0	9278.7	11831.3	14383.0	16119.3	17854.7	19591.0	21326.4	23327.6
0.0	60°	3550.8	6104.4	8657.0	11210.7	13763.3	15763.5	17764.7	19764.9	21765.2	23639.9
0.0	62.5°	2770.1	5396.8	8024.6	10651.3	13278.1	15308.9	17339.8	19369.6	21400.5	22806.8
0.0	65°	2064.4	4615.1	7165.8	9715.5	12266.1	13892.8	15519.4	17145.1	18771.8	19642.4
0.0	67.5°	1492.3	3692.1	5890.9	8090.8	10289.6	11453.8	12617.9	13781.1	14945.3	15611.3
	70°	1009.0	2532.9	4055.8	5579.6	7102.5	8059.2	9016.8	9973.4	10930.0	11829.3
	72.5°	698.7	1554.5	2411.3	3267.1	4123.0	5085.5	6047.1	7009.6	7971.2	8922.9
	75°	463.5	852.9	1243.2	1632.6	2022.0	2734.5	3448.0	4160.5	4873.0	5440.3
	77.5°	329.1	445.7	563.3	679.9	796.5	929.9	1064.3	1197.8	1331.2	1533.8
	80°	156.1	171.0	185.8	199.6	214.4	262.9	311.3	359.7	408.1	459.5
	82.5°	74.1	80.0	86.0	90.9	96.8	101.8	106.7	111.7	116.6	111.7
	85°	19.8	19.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	19.8
	87.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.9	7.9	6.9
	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

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CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
57.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
412.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1069.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2268.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3499.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4747.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5748.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6726.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7654.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8734.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10583.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13770.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18597.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22326.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24114.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24563.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24811.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25328.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25513.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24214.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20514.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16278.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12727.6											
9874.6											
6007.6											
1736.4											
510.9											
105.7											
18.8											
6.9											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	2.5°	64.2	63.2	62.3	61.3	60.3	58.3	58.3	57.3	57.3
0.0	5°	70.2	69.2	68.2	67.2	67.2	66.2	65.2	65.2	64.2
0.0	7.5°	80.0	79.1	78.1	77.1	77.1	76.1	76.1	75.1	75.1
0.0	10°	91.9	91.9	91.9	91.9	91.9	90.9	90.9	90.9	89.9
0.0	12.5°	115.6	116.6	118.6	120.6	123.5	123.5	123.5	122.5	122.5
0.0	15°	182.8	193.7	201.6	209.5	216.4	232.2	230.3	227.3	225.3
0.0	17.5°	462.5	511.9	538.6	564.3	591.0	664.1	652.2	640.4	629.5
0.0	20°	1198.7	1328.2	1414.2	1500.2	1587.1	1724.5	1690.9	1657.3	1623.7
0.0	22.5°	2564.5	2862.0	2991.4	3120.9	3249.4	3415.4	3307.7	3199.9	3093.2
0.0	25°	3884.8	4271.2	4489.6	4708.0	4925.4	5020.3	4880.0	4738.6	4598.3
0.0	27.5°	5184.3	5621.2	5813.9	6005.6	6198.3	6396.9	6223.0	6048.1	5874.1
0.0	30°	6226.0	6703.3	6911.8	7119.3	7327.9	7466.2	7286.3	7105.5	6925.6
0.0	32.5°	7247.8	7769.6	7997.9	8226.2	8453.5	8652.1	8430.7	8208.4	7987.0
0.0	35°	8248.9	8844.8	9159.1	9473.3	9787.6	9972.4	9709.5	9445.7	9182.8
0.0	37.5°	9470.4	10206.6	10558.4	10910.3	11262.1	11599.1	11309.5	11019.0	10729.4
0.0	40°	11621.8	12660.4	13200.0	13740.6	14280.2	14715.0	14349.4	13983.7	13618.0
0.0	42.5°	15252.6	16735.0	17510.8	18285.5	19061.3	19740.2	19355.8	18971.4	18587.0
0.0	45°	20570.4	22542.9	23488.7	24433.4	25379.2	25875.3	25321.9	24767.5	24214.0
0.0	47.5°	24290.1	26254.8	27096.8	27938.7	28780.7	29347.0	28670.0	27993.1	27317.1
0.0	50°	25982.0	27850.8	28695.7	29539.7	30384.7	30834.3	30052.6	29269.9	28488.2
0.0	52.5°	26309.1	28055.4	29063.4	30072.4	31080.4	31681.2	30758.2	29834.2	28911.2
0.0	55°	26662.9	28513.9	29683.0	30853.1	32022.2	32854.3	31810.7	30766.1	29722.5
0.0	57.5°	27329.0	29330.2	30496.3	31661.5	32827.6	33534.2	32487.6	31440.1	30393.5
0.0	60°	27388.3	29262.0	30264.1	31267.2	32269.2	32714.0	31712.9	30710.8	29709.7
0.0	62.5°	25620.3	27026.6	27722.3	28418.0	29113.8	29597.0	28552.4	27506.9	26462.3
0.0	65°	21384.7	22255.3	22809.7	23364.1	23918.6	24494.7	23538.1	22581.5	21624.8
0.0	67.5°	16944.5	17610.6	18340.9	19071.2	19801.5	20417.2	19651.3	18884.4	18118.5
	70°	13626.9	14525.3	15346.5	16167.7	16989.0	17493.0	16724.1	15954.3	15185.4
	72.5°	10826.3	11777.9	12463.8	13148.6	13834.5	13958.0	13392.7	12827.5	12263.2
	75°	6573.8	7141.1	7154.9	7167.8	7181.6	7299.2	6830.8	6362.3	5894.9
	77.5°	1938.9	2141.5	2308.5	2474.6	2641.6	2843.2	2671.2	2498.3	2326.3
	80°	561.3	612.7	656.2	698.7	742.2	716.5	676.0	635.4	594.9
	82.5°	100.8	94.9	93.9	92.9	92.9	88.0	80.0	72.1	64.2
	85°	17.8	16.8	15.8	14.8	13.8	12.8	10.9	9.9	7.9
	87.5°	5.9	4.9	4.0	3.0	3.0	1.0	1.0	1.0	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



REPORT NUMBER: P1049005

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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
0.0	0.0	2.5°	56.3	55.3	55.3	55.3	55.3	54.4	54.4	54.4	54.4
0.0	0.0	5°	62.3	62.3	61.3	61.3	60.3	60.3	59.3	59.3	58.3
0.0	0.0	7.5°	73.1	72.1	71.2	70.2	69.2	67.2	66.2	65.2	65.2
0.0	0.0	10°	88.0	86.0	85.0	83.0	82.0	80.0	78.1	76.1	74.1
0.0	0.0	12.5°	115.6	111.7	108.7	104.8	100.8	97.8	93.9	90.9	87.0
0.0	0.0	15°	200.6	190.7	179.9	167.0	153.2	140.3	126.5	118.6	109.7
0.0	0.0	17.5°	512.9	461.5	409.1	366.6	324.1	282.6	240.1	209.5	178.9
0.0	0.0	20°	1305.5	1163.2	1020.9	880.5	739.2	598.9	457.6	386.4	315.3
0.0	0.0	22.5°	2456.8	2192.9	1928.1	1672.1	1415.2	1159.2	903.3	742.2	582.1
0.0	0.0	25°	3791.9	3459.9	3127.8	2706.8	2284.8	1863.8	1442.8	1181.0	919.1
0.0	0.0	27.5°	4934.3	4551.9	4169.4	3657.5	3145.6	2633.7	2121.8	1731.4	1342.0
0.0	0.0	30°	5923.6	5512.4	5101.3	4505.4	3909.5	3313.6	2717.7	2229.5	1741.3
0.0	0.0	32.5°	6781.4	6289.2	5797.1	5182.4	4567.7	3953.0	3338.3	2739.4	2140.5
0.0	0.0	35°	7770.6	7196.4	6621.3	5939.4	5256.5	4574.6	3892.7	3216.7	2539.8
0.0	0.0	37.5°	9027.6	8323.0	7617.4	6857.4	6097.5	5338.5	4578.6	3805.7	3032.9
0.0	0.0	40°	11434.0	10524.8	9615.6	8650.1	7683.6	6718.1	5752.6	4803.9	3855.2
0.0	0.0	42.5°	15745.7	14517.4	13289.0	12004.2	10718.5	9433.8	8148.1	6810.0	5470.9
0.0	0.0	45°	20611.9	19088.0	17563.1	16121.3	14678.4	13236.6	11794.7	9958.6	8122.4
0.0	0.0	47.5°	23348.3	21702.9	20057.5	18692.7	17327.9	15963.2	14598.4	12618.9	10639.5
0.0	0.0	50°	24355.4	22680.3	21005.2	19749.1	18492.1	17236.0	15979.0	13996.5	12013.1
0.0	0.0	52.5°	24569.8	22861.1	21152.4	19888.5	18624.5	17361.5	16097.6	14128.0	12158.4
0.0	0.0	55°	25010.6	23177.4	21343.2	19902.3	18461.5	17020.6	15579.7	13578.5	11577.3
0.0	0.0	57.5°	25586.7	23707.1	21827.4	20185.9	18544.5	16904.0	15262.5	13074.5	10886.5
0.0	0.0	60°	25435.5	23800.0	22163.4	20405.3	18646.3	16888.2	15129.1	12722.7	10315.3
0.0	0.0	62.5°	22810.7	21508.2	20204.7	18758.9	17312.1	15866.3	14420.5	11943.0	9465.4
0.0	0.0	65°	18765.8	17815.1	16864.4	15701.3	14537.1	13374.0	12210.8	9989.2	7768.6
0.0	0.0	67.5°	15209.1	14137.9	13065.6	12138.6	11210.7	10283.7	9355.7	7607.5	5859.3
		70°	12083.3	10918.2	9752.0	8846.8	7940.6	7035.3	6130.1	4967.9	3806.7
		72.5°	9595.9	8545.4	7494.9	6529.4	5562.8	4597.3	3630.8	2944.0	2257.2
		75°	4586.5	4166.5	3746.4	3241.5	2736.5	2231.5	1726.5	1427.0	1128.6
		77.5°	1699.8	1473.5	1246.2	1040.6	835.1	630.5	424.9	389.4	353.8
		80°	439.8	383.4	326.1	285.6	244.1	203.6	163.1	147.2	132.4
		82.5°	50.4	46.4	43.5	41.5	38.5	36.6	33.6	30.6	27.7
		85°	3.0	2.0	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
		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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CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049005

CATALOG NUMBER: GALN-SA4A-735-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	57.3	57.3
0.0	0.0	2.5°	53.4	52.4
0.0	0.0	5°	56.3	55.3
0.0	0.0	7.5°	62.3	60.3
0.0	0.0	10°	68.2	66.2
0.0	0.0	12.5°	77.1	74.1
0.0	0.0	15°	87.0	81.0
0.0	0.0	17.5°	103.8	90.9
0.0	0.0	20°	140.3	107.7
0.0	0.0	22.5°	197.6	134.4
0.0	0.0	25°	290.5	185.8
0.0	0.0	27.5°	404.2	247.1
0.0	0.0	30°	537.6	309.3
0.0	0.0	32.5°	655.2	368.6
0.0	0.0	35°	808.4	428.9
0.0	0.0	37.5°	997.1	506.0
0.0	0.0	40°	1289.7	622.6
0.0	0.0	42.5°	1816.4	838.0
0.0	0.0	45°	2949.9	1448.8
0.0	0.0	47.5°	4539.0	2396.5
0.0	0.0	50°	5553.0	3058.6
0.0	0.0	52.5°	5636.0	3053.7
0.0	0.0	55°	5144.8	2714.7
0.0	0.0	57.5°	4389.8	2269.0
0.0	0.0	60°	3648.6	1794.7
0.0	0.0	62.5°	2874.8	1239.3
0.0	0.0	65°	2101.0	876.6
0.0	0.0	67.5°	1509.1	655.2
		70°	992.2	502.0
		72.5°	646.3	409.1
		75°	434.8	339.0
		77.5°	254.0	225.3
		80°	89.9	79.1
		82.5°	16.8	11.9
		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: P1049005

CATALOG NUMBER: GALN-SA4A-735-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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

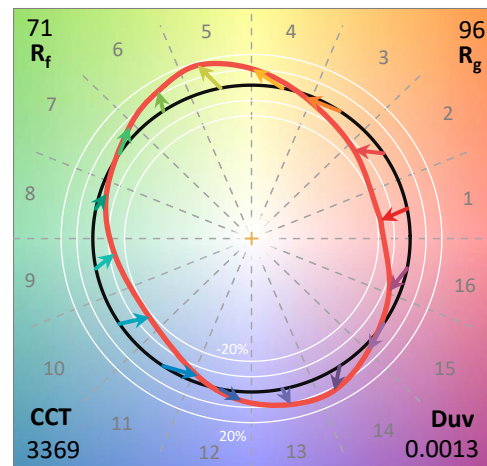
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

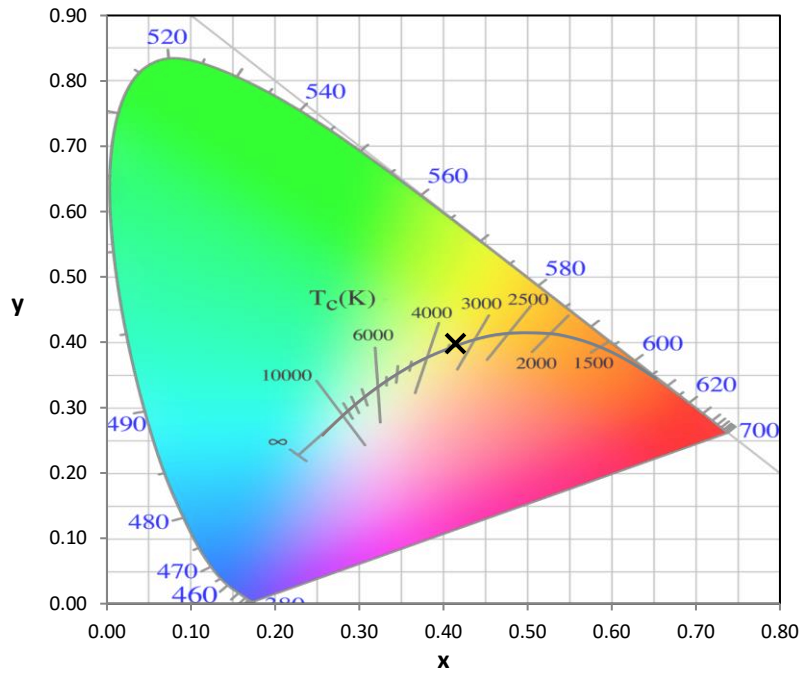
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

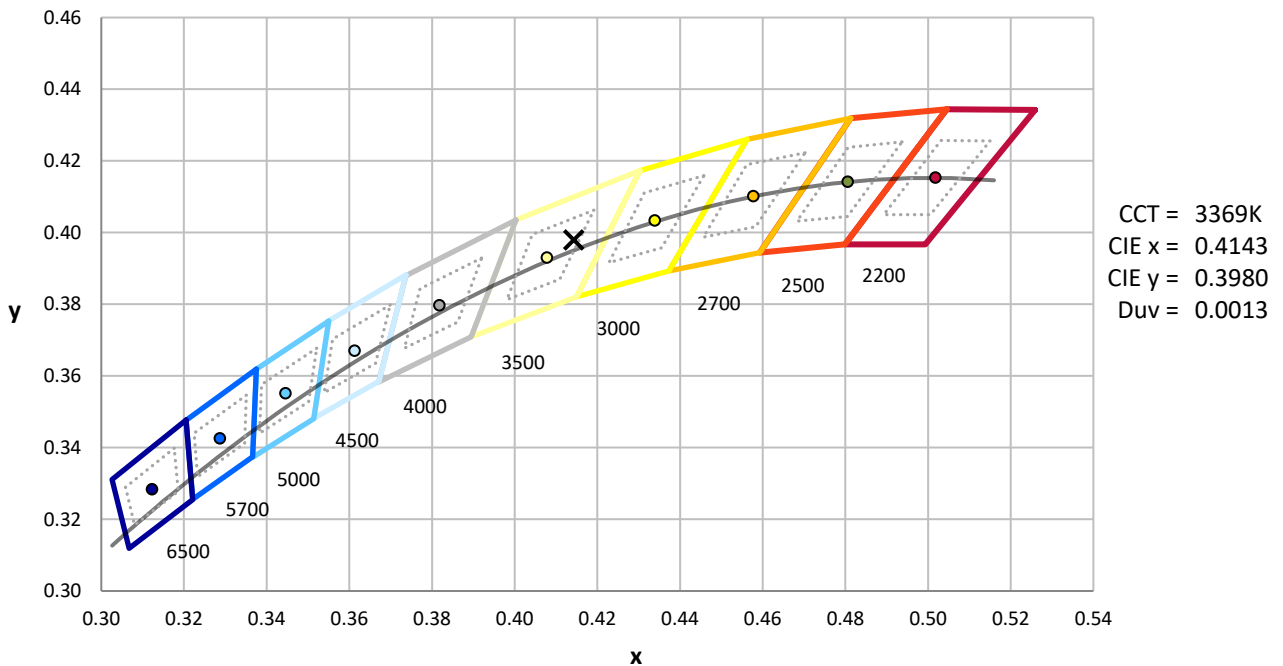
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



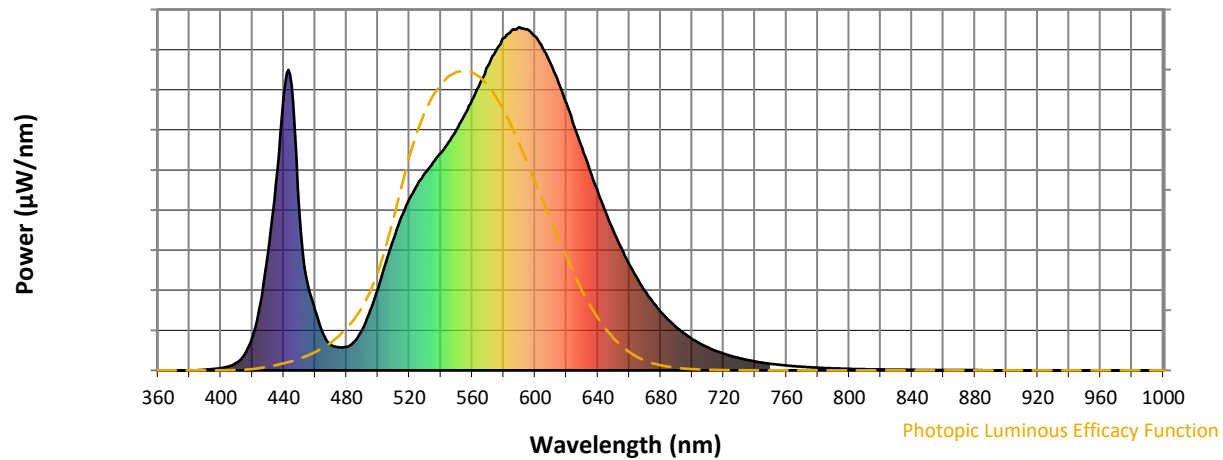
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

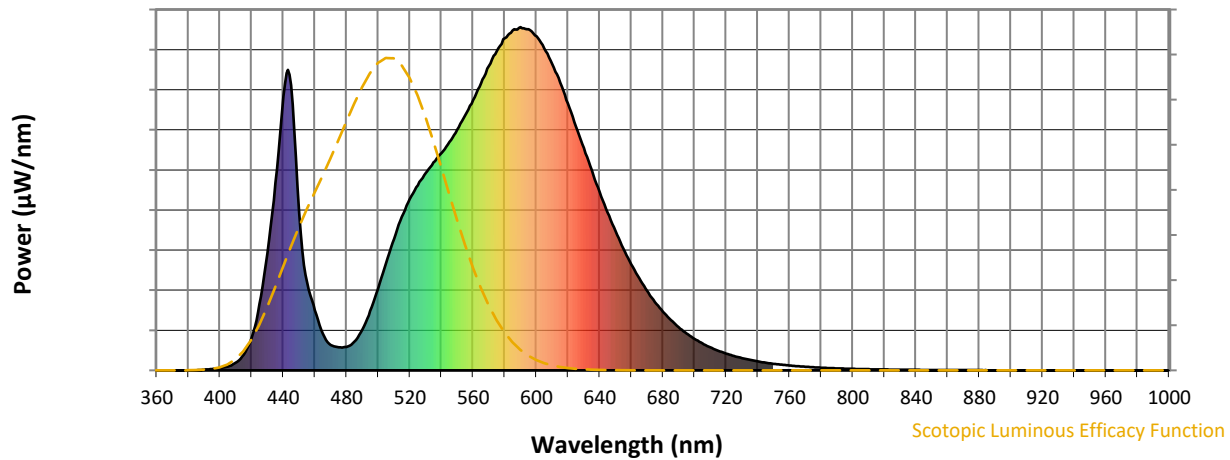


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



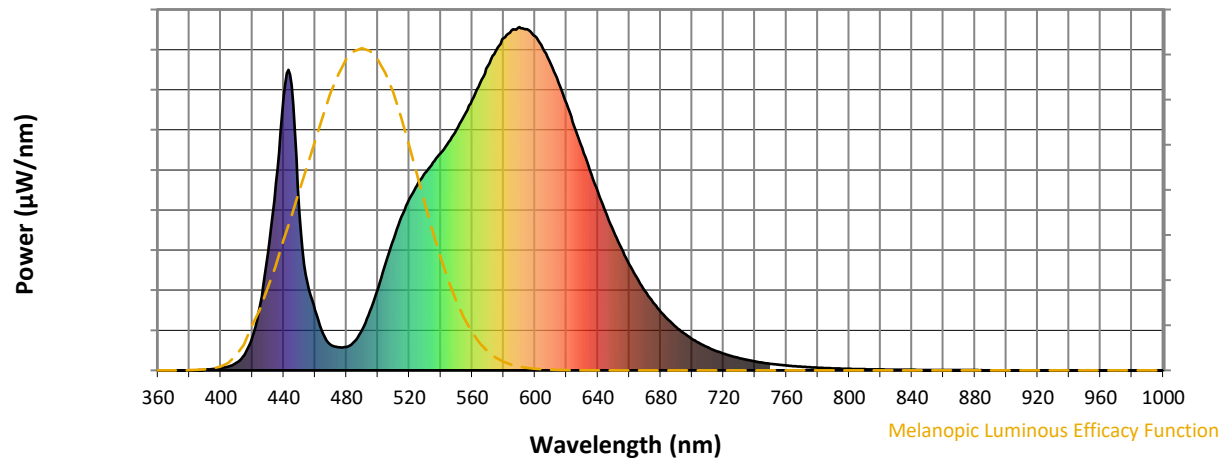
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

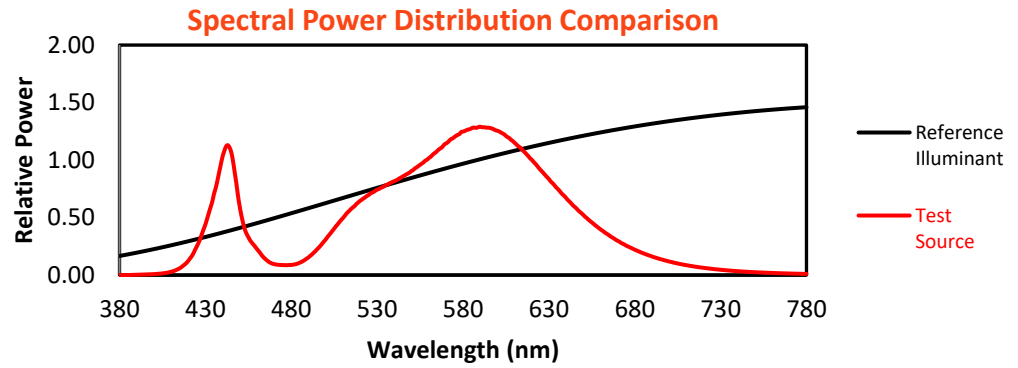
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

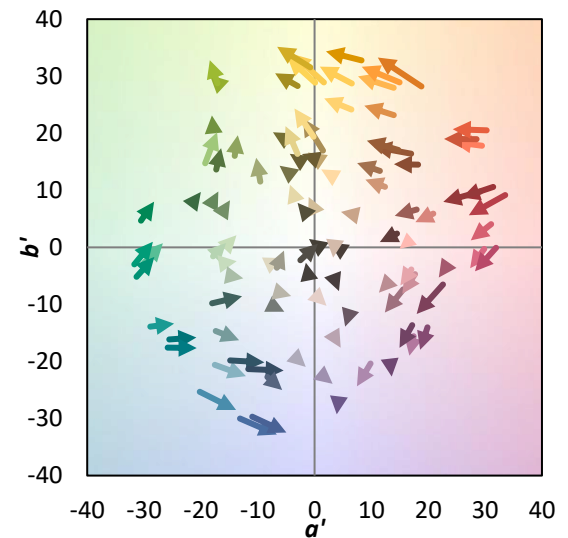
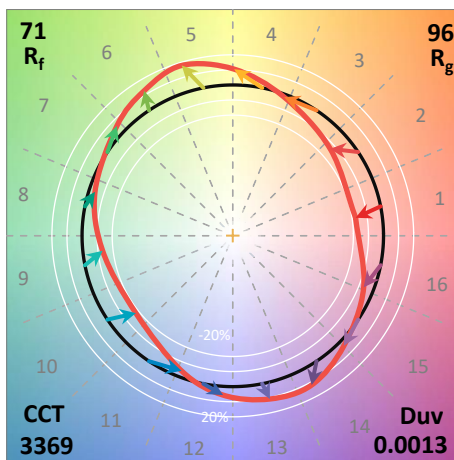
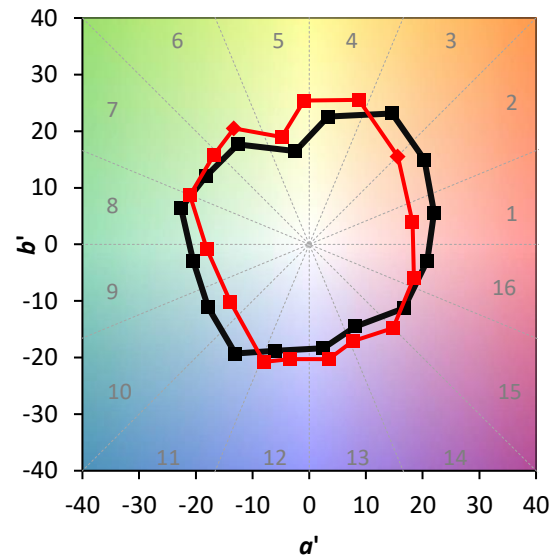
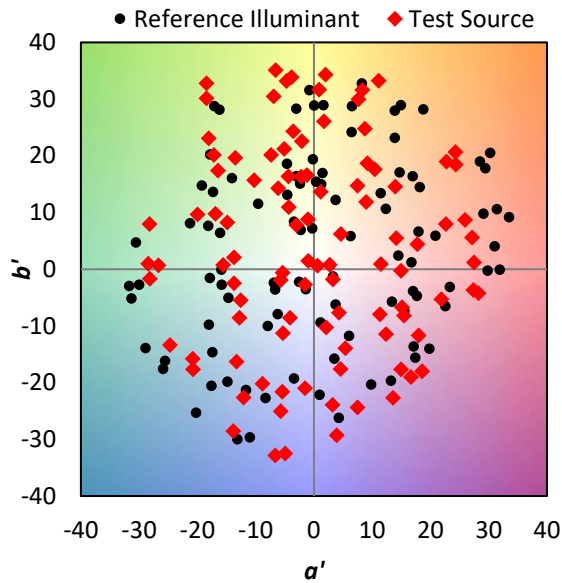
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

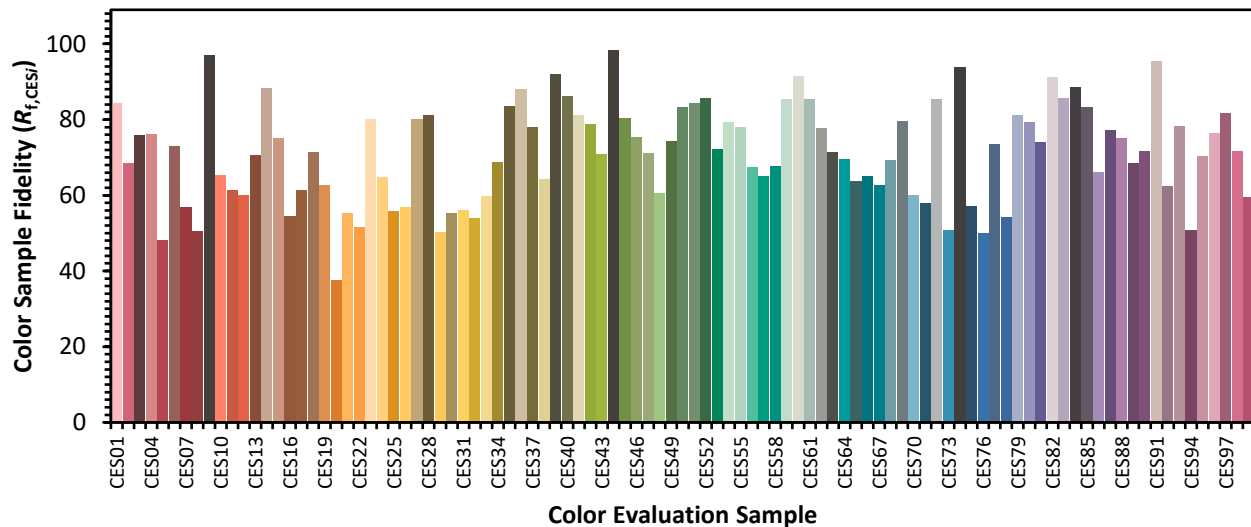


Color Vector Graphics

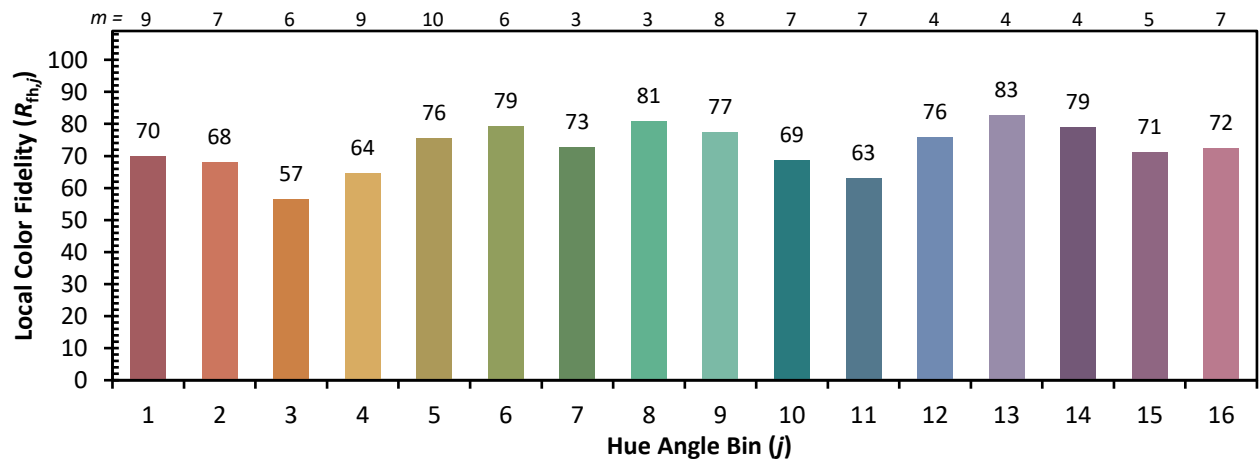
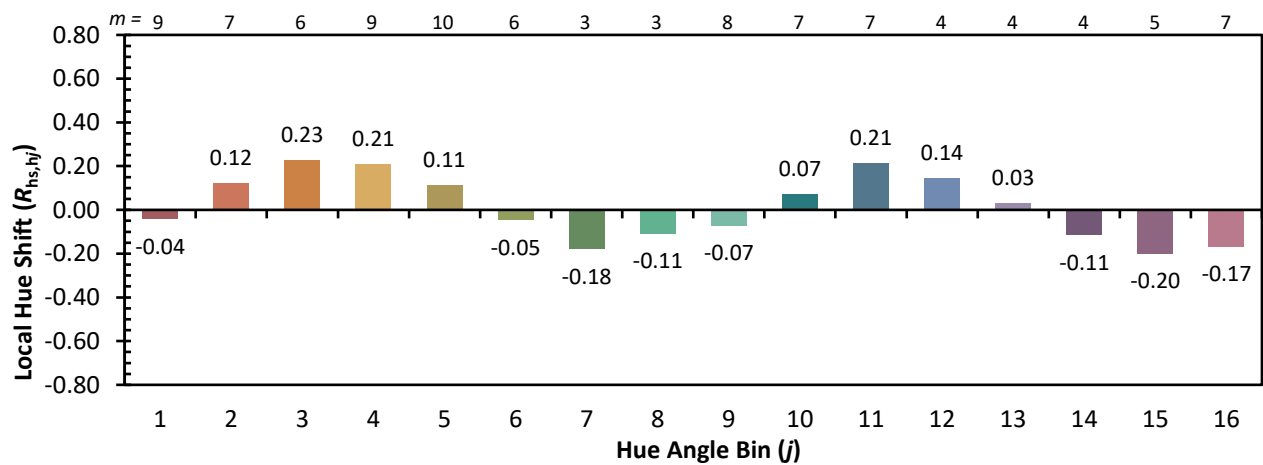
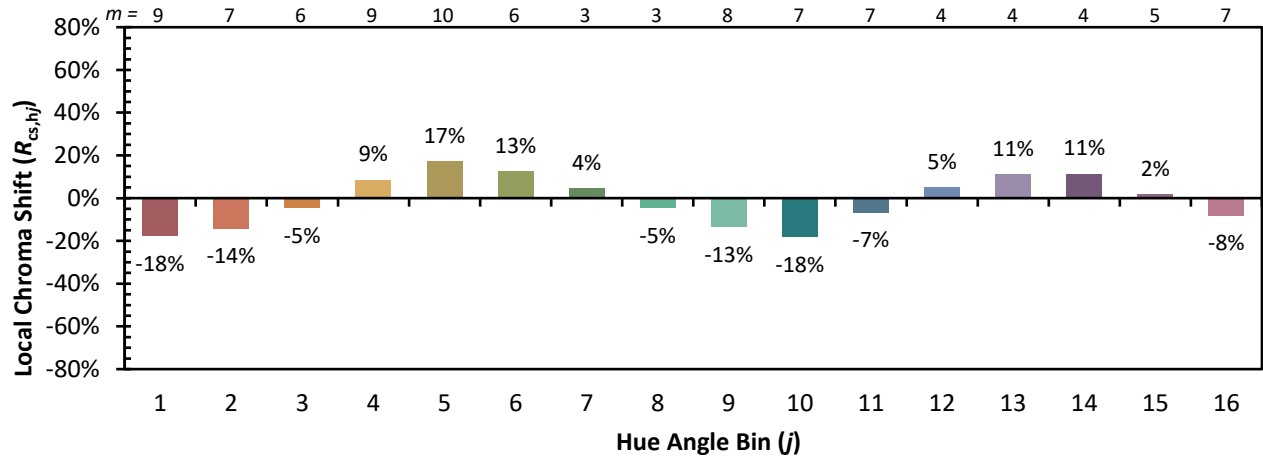


Individual Sample Fidelity Index ($R_{f,i}$)

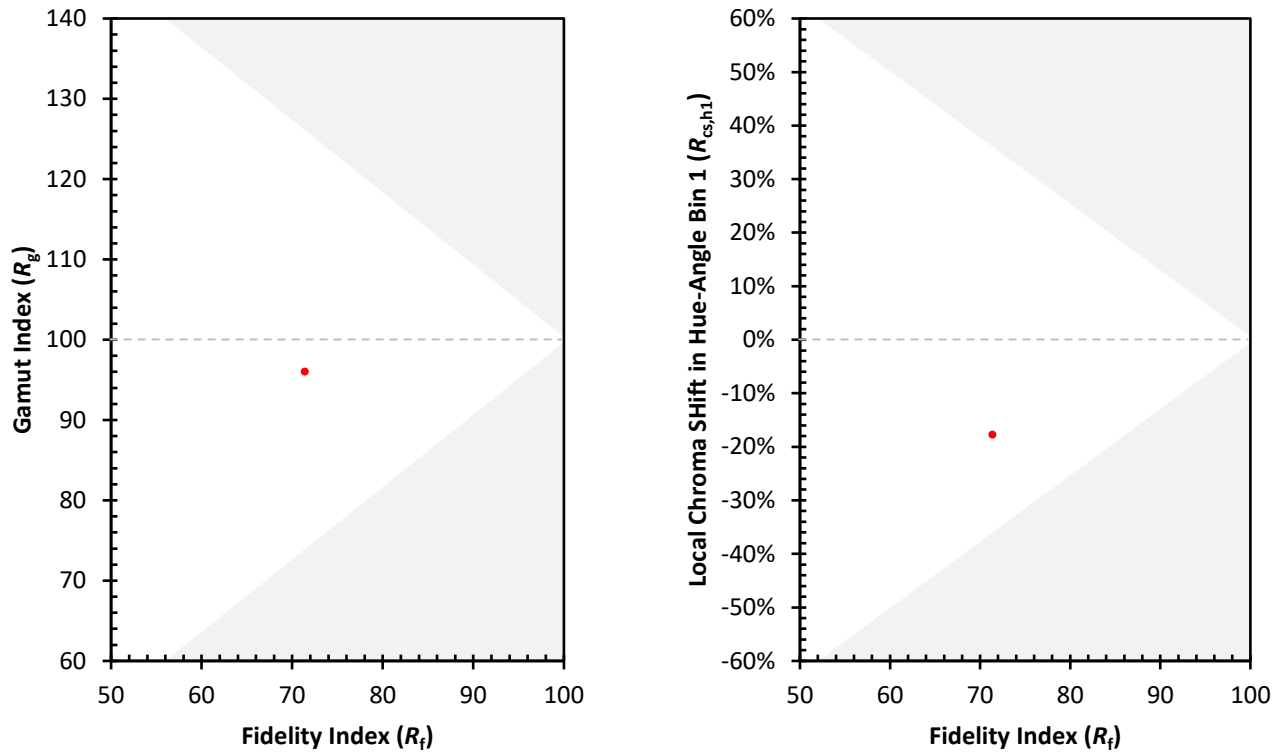
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)