

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: P1049153

Luminaire Tested: **GALN-SA5A-830-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049153
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14579.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 136.6
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

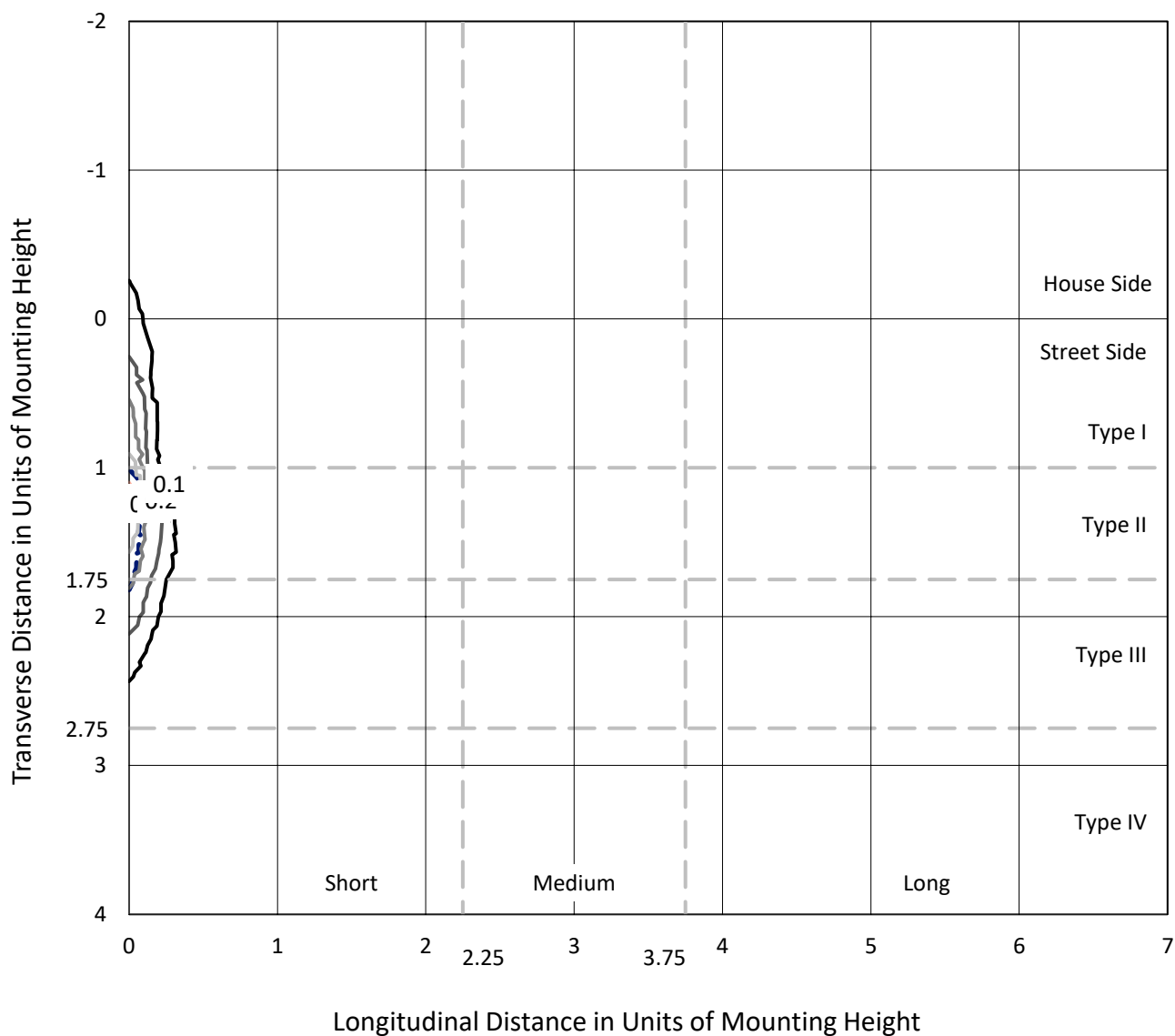
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

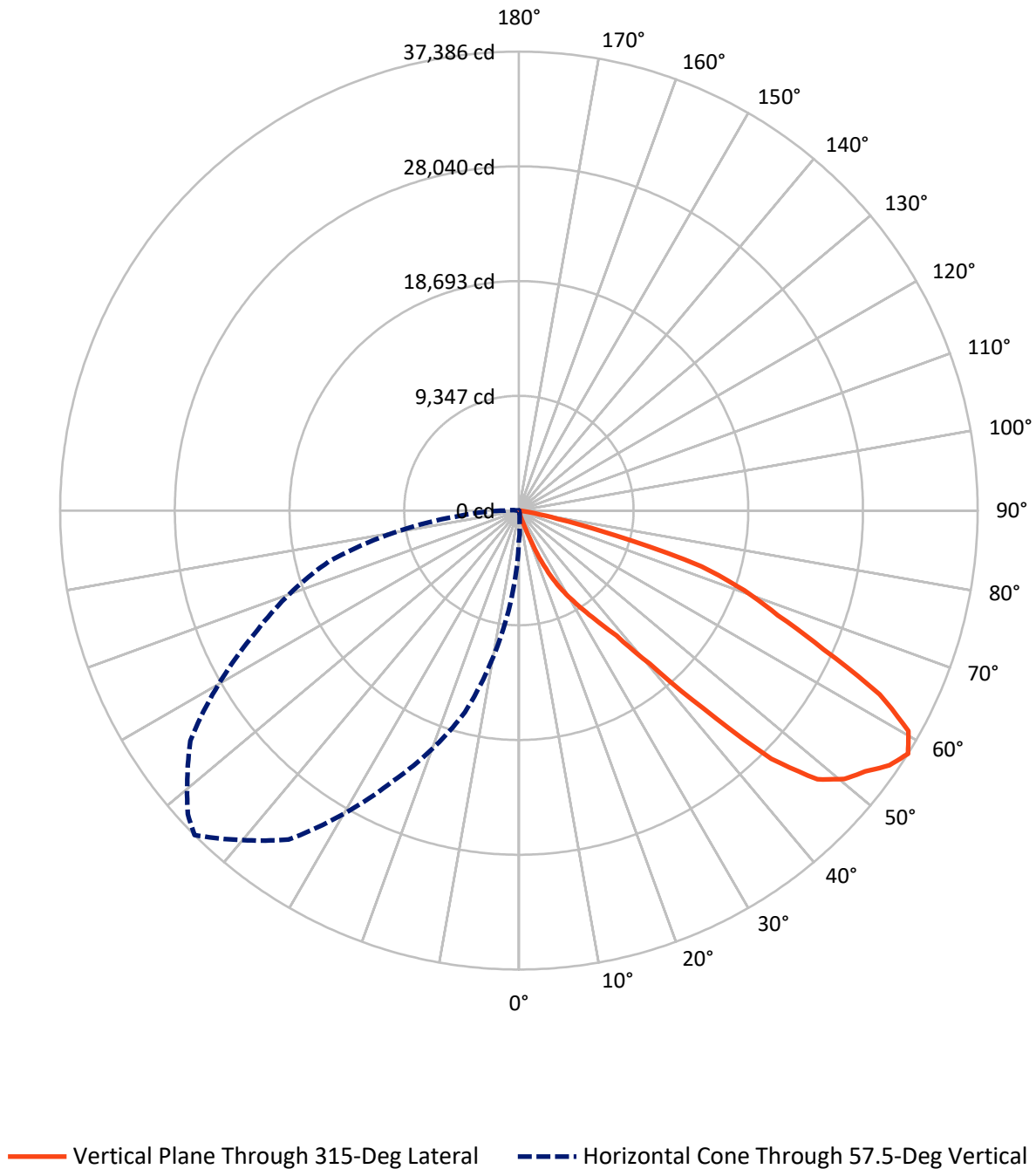


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc

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	73.0	0.0	73.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	14506.5	0.0	14506.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	14579.5	0.0	14579.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.0
10°-20°	32.0	0.2
20°-30°	345.5	2.4
30°-40°	1021.7	7.0
40°-50°	3045.1	20.9
50°-60°	4828.4	33.1
60°-70°	4030.5	27.6
70°-80°	1242.9	8.5
80°-90°	27.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14579.5	100.0
0°-180°	14579.5	100.0

Coefficient of Utilization



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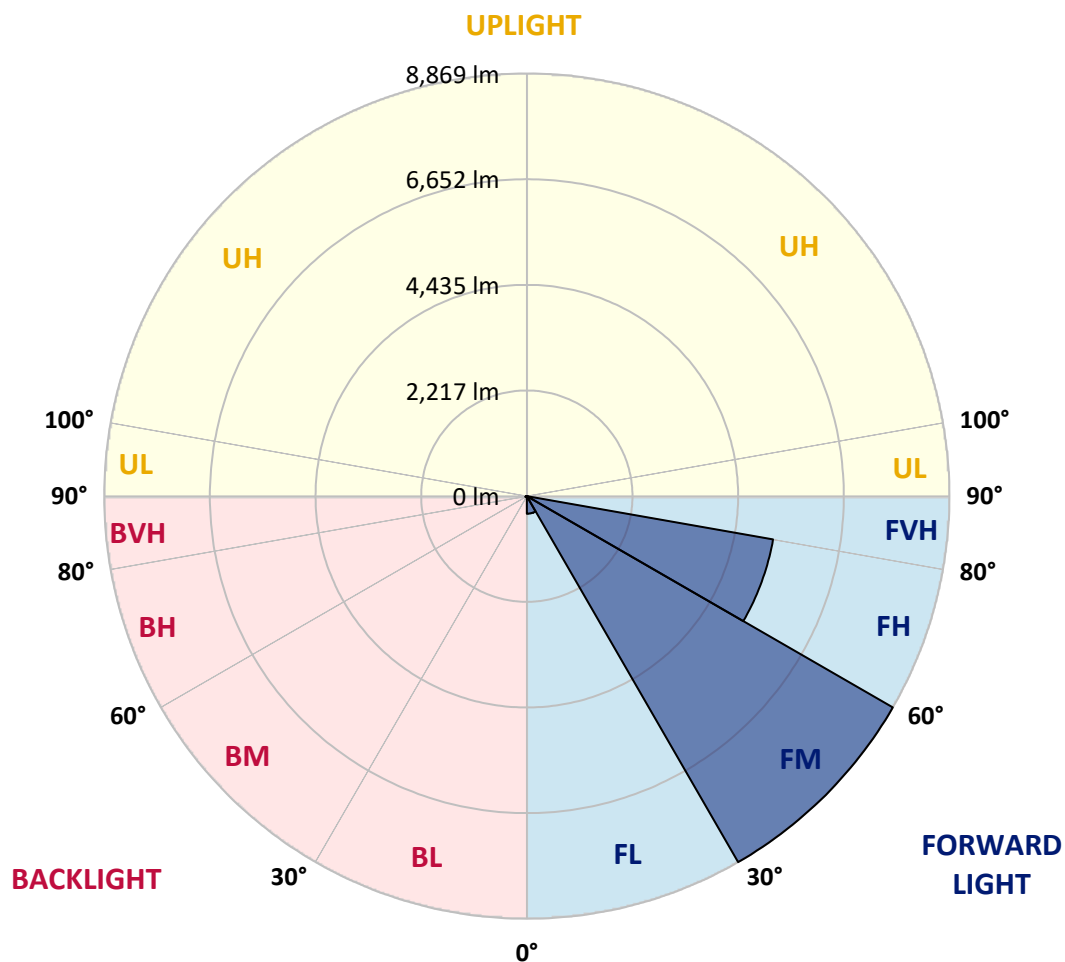
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.9	2.5			
FM	(30°-60°)	8869.1	60.8			
FH	(60°-80°)	5246.2	36.0			G3/7500
FVH	(80°-90°)	21.4	0.1			G1/100
BL	(0°-30°)	13.4	0.1	B0/110		
BM	(30°-60°)	26.1	0.2	B0/220		
BH	(60°-80°)	27.2	0.2	B0/110		G0/110
BVH	(80°-90°)	6.3	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2.5°	58.4	58.4	58.4	58.4	57.3	57.3	56.2	56.2	55.1	55.1
5°	61.7	61.7	60.6	59.5	59.5	58.4	57.3	56.2	56.2	55.1
7.5°	67.2	66.1	65.0	63.9	61.7	60.6	58.4	57.3	56.2	54.0
10°	73.8	71.6	69.4	67.2	65.0	62.8	60.6	59.5	57.3	56.2
12.5°	82.6	79.3	74.9	71.6	69.4	66.1	63.9	61.7	58.4	56.2
15°	90.3	85.9	80.4	76.0	72.7	68.3	65.0	61.7	59.5	56.2
17.5°	101.4	93.6	84.8	79.3	74.9	69.4	63.9	60.6	57.3	52.9
20°	120.1	104.7	88.1	81.5	74.9	68.3	61.7	57.3	54.0	49.6
22.5°	149.8	123.4	97.0	87.0	78.2	68.3	59.5	55.1	50.7	46.3
25°	207.1	159.8	112.4	99.2	85.9	72.7	59.5	54.0	49.6	44.1
27.5°	275.4	204.9	133.3	114.6	97.0	78.2	59.5	52.9	47.4	40.8
30°	344.9	251.2	156.4	132.2	108.0	83.7	59.5	51.8	45.2	37.5
32.5°	411.0	294.2	176.3	147.6	119.0	89.2	60.6	51.8	43.0	34.2
35°	478.2	329.4	179.6	149.8	120.1	89.2	59.5	49.6	40.8	30.8
37.5°	564.1	369.1	173.0	143.2	114.6	84.8	56.2	47.4	38.6	28.6
40°	694.1	435.2	176.3	145.4	114.6	83.7	52.9	44.1	36.4	27.5
42.5°	934.3	563.0	190.6	155.3	120.1	83.7	48.5	40.8	34.2	26.4
45°	1615.2	935.4	255.6	202.7	149.8	97.0	44.1	37.5	32.0	25.3
47.5°	2671.8	1565.6	459.4	354.8	251.2	146.5	43.0	37.5	32.0	25.3
50°	3409.9	1994.2	578.4	445.1	311.8	178.5	45.2	38.6	33.1	26.4
52.5°	3404.4	2025.0	644.5	494.7	346.0	196.1	47.4	40.8	35.3	28.6
55°	3026.5	1842.1	656.6	504.6	353.7	201.6	50.7	44.1	37.5	30.8
57.5°	2529.6	1564.5	599.4	463.8	329.4	193.9	58.4	50.7	44.1	36.4
60°	2000.8	1234.0	467.1	369.1	272.1	174.1	77.1	67.2	58.4	48.5
62.5°	1381.6	894.6	407.7	327.2	247.9	167.5	88.1	78.2	69.4	59.5
65°	977.3	673.2	368.0	299.7	232.5	164.2	95.9	84.8	74.9	63.9
67.5°	730.5	535.5	339.3	280.9	222.6	164.2	105.8	92.5	80.4	67.2
70°	559.7	439.6	318.4	271.0	224.8	177.4	130.0	111.3	93.6	74.9
72.5°	456.1	375.7	294.2	260.0	225.9	191.7	157.6	133.3	109.1	83.7
75°	377.9	321.7	265.5	236.9	209.3	180.7	152.0	130.0	109.1	87.0
77.5°	251.2	229.2	206.0	189.5	173.0	155.3	138.8	120.1	102.5	83.7
80°	88.1	84.8	81.5	88.1	94.8	101.4	108.0	94.8	82.6	69.4
82.5°	13.2	12.1	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7
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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	54.0	54.0	52.9	52.9	52.9	51.8	51.8	50.7	50.7	50.7
0.0	5°	52.9	52.9	51.8	50.7	49.6	49.6	48.5	47.4	47.4	46.3
0.0	7.5°	51.8	50.7	49.6	48.5	47.4	46.3	45.2	44.1	44.1	43.0
0.0	10°	52.9	50.7	49.6	47.4	46.3	45.2	43.0	41.9	40.8	40.8
0.0	12.5°	50.7	49.6	47.4	45.2	44.1	41.9	40.8	38.6	37.5	37.5
0.0	15°	50.7	48.5	45.2	43.0	40.8	39.7	37.5	35.3	34.2	33.1
0.0	17.5°	47.4	45.2	41.9	39.7	37.5	35.3	33.1	30.8	29.7	28.6
0.0	20°	43.0	40.8	37.5	34.2	32.0	29.7	27.5	25.3	24.2	23.1
0.0	22.5°	38.6	36.4	33.1	29.7	27.5	25.3	22.0	19.8	18.7	16.5
0.0	25°	36.4	33.1	29.7	26.4	23.1	20.9	17.6	14.3	12.1	9.9
0.0	27.5°	30.8	27.5	24.2	20.9	17.6	14.3	11.0	7.7	5.5	4.4
0.0	30°	26.4	23.1	19.8	16.5	12.1	8.8	5.5	1.1	1.1	1.1
0.0	32.5°	22.0	18.7	14.3	11.0	8.8	5.5	3.3	0.0	0.0	0.0
0.0	35°	17.6	14.3	9.9	6.6	5.5	3.3	2.2	0.0	0.0	0.0
0.0	37.5°	15.4	12.1	7.7	3.3	2.2	2.2	1.1	0.0	0.0	0.0
0.0	40°	14.3	9.9	5.5	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	14.3	9.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	14.3	9.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	14.3	9.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	15.4	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	17.6	13.2	8.8	4.4	3.3	2.2	1.1	0.0	0.0	0.0
0.0	55°	22.0	19.8	16.5	14.3	11.0	7.7	3.3	0.0	0.0	0.0
0.0	57.5°	28.6	28.6	27.5	26.4	19.8	13.2	6.6	0.0	0.0	0.0
0.0	60°	38.6	38.6	38.6	38.6	28.6	19.8	9.9	0.0	0.0	0.0
0.0	62.5°	47.4	45.2	41.9	39.7	29.7	19.8	9.9	0.0	0.0	0.0
0.0	65°	47.4	43.0	37.5	32.0	24.2	16.5	7.7	0.0	0.0	0.0
0.0	67.5°	44.1	35.3	25.3	16.5	12.1	8.8	4.4	0.0	0.0	0.0
	70°	44.1	30.8	17.6	4.4	3.3	2.2	1.1	0.0	0.0	0.0
	72.5°	44.1	29.7	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	48.5	33.1	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	48.5	33.1	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	43.0	28.6	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	14.3	9.9	4.4	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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	49.6	49.6	49.6	48.5	48.5	48.5	48.5	47.4	47.4	47.4
0.0	5°	45.2	45.2	44.1	44.1	43.0	43.0	41.9	41.9	40.8	40.8
0.0	7.5°	41.9	40.8	40.8	39.7	38.6	38.6	37.5	37.5	36.4	35.3
0.0	10°	38.6	37.5	37.5	36.4	35.3	34.2	34.2	33.1	32.0	30.8
0.0	12.5°	35.3	34.2	33.1	32.0	30.8	29.7	29.7	28.6	27.5	26.4
0.0	15°	30.8	29.7	28.6	27.5	26.4	25.3	25.3	24.2	23.1	22.0
0.0	17.5°	26.4	25.3	25.3	24.2	23.1	22.0	20.9	18.7	17.6	16.5
0.0	20°	19.8	18.7	17.6	16.5	15.4	13.2	12.1	9.9	7.7	6.6
0.0	22.5°	13.2	11.0	9.9	7.7	5.5	4.4	3.3	1.1	0.0	0.0
0.0	25°	4.4	3.3	2.2	1.1	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	46.3	46.3	46.3	45.2	45.2	45.2	45.2	45.2	45.2	45.2
0.0	5°	39.7	39.7	39.7	38.6	38.6	37.5	37.5	37.5	36.4	36.4
0.0	7.5°	34.2	33.1	33.1	32.0	32.0	30.8	30.8	30.8	29.7	29.7
0.0	10°	28.6	27.5	27.5	26.4	26.4	25.3	25.3	24.2	24.2	23.1
0.0	12.5°	25.3	24.2	23.1	22.0	22.0	20.9	19.8	19.8	18.7	17.6
0.0	15°	19.8	18.7	17.6	16.5	15.4	14.3	13.2	13.2	12.1	11.0
0.0	17.5°	13.2	11.0	9.9	8.8	8.8	7.7	6.6	5.5	4.4	3.3
0.0	20°	3.3	2.2	1.1	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

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	45.2	44.1	44.1	44.1	45.2	45.2	45.2	45.2	45.2	45.2
0.0	5°	36.4	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
0.0	7.5°	29.7	28.6	28.6	28.6	28.6	27.5	27.5	27.5	27.5	27.5
0.0	10°	23.1	22.0	22.0	22.0	22.0	20.9	20.9	20.9	20.9	20.9
0.0	12.5°	16.5	16.5	15.4	15.4	15.4	14.3	14.3	14.3	14.3	13.2
0.0	15°	9.9	8.8	7.7	7.7	7.7	6.6	6.6	6.6	6.6	5.5
0.0	17.5°	2.2	2.2	1.1	1.1	1.1	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
	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

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	46.3	46.3	47.4	47.4	48.5	50.7	51.8	52.9	55.1	57.3
0.0	5°	36.4	37.5	37.5	38.6	39.7	40.8	41.9	43.0	45.2	47.4
0.0	7.5°	28.6	28.6	29.7	29.7	30.8	33.1	34.2	35.3	37.5	40.8
0.0	10°	22.0	22.0	23.1	23.1	24.2	26.4	27.5	28.6	30.8	34.2
0.0	12.5°	14.3	15.4	15.4	16.5	17.6	19.8	20.9	22.0	24.2	26.4
0.0	15°	6.6	7.7	7.7	8.8	9.9	12.1	13.2	14.3	16.5	19.8
0.0	17.5°	1.1	1.1	2.2	2.2	3.3	4.4	5.5	6.6	9.9	12.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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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CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	60.6	62.8	65.0	67.2	69.4	71.6	72.7	74.9	76.0	77.1
0.0	5°	51.8	54.0	57.3	59.5	61.7	63.9	66.1	67.2	68.3	69.4
0.0	7.5°	45.2	47.4	50.7	52.9	55.1	57.3	59.5	61.7	62.8	63.9
0.0	10°	38.6	41.9	44.1	47.4	49.6	51.8	54.0	56.2	58.4	59.5
0.0	12.5°	30.8	34.2	37.5	39.7	43.0	46.3	48.5	50.7	52.9	55.1
0.0	15°	24.2	27.5	30.8	33.1	36.4	39.7	43.0	45.2	47.4	49.6
0.0	17.5°	17.6	20.9	24.2	26.4	29.7	33.1	35.3	38.6	40.8	43.0
0.0	20°	8.8	12.1	15.4	18.7	22.0	25.3	27.5	30.8	33.1	35.3
0.0	22.5°	1.1	4.4	7.7	9.9	13.2	16.5	18.7	22.0	24.2	26.4
0.0	25°	0.0	1.1	3.3	4.4	5.5	7.7	9.9	12.1	14.3	16.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.2	4.4	6.6	8.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	1.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
	85°	0.0	0.0	0.0	0.0	0.0	2.2	3.3	5.5	6.6	7.7
	87.5°	0.0	1.1	2.2	3.3	4.4	6.6	8.8	11.0	12.1	13.2
	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
63.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.3	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											
0.0											
0.0											
1.1											
4.4											
9.9											
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REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	78.2	78.2	78.2	78.2	77.1	77.1	77.1	76.0	76.0	74.9
0.0	5°	71.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	71.6	71.6
0.0	7.5°	66.1	67.2	68.3	68.3	69.4	69.4	69.4	68.3	68.3	67.2
0.0	10°	62.8	63.9	63.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
0.0	12.5°	58.4	59.5	60.6	60.6	61.7	61.7	61.7	61.7	60.6	60.6
0.0	15°	52.9	55.1	56.2	57.3	57.3	58.4	58.4	58.4	58.4	58.4
0.0	17.5°	48.5	50.7	51.8	52.9	52.9	54.0	54.0	55.1	55.1	55.1
0.0	20°	39.7	41.9	43.0	45.2	46.3	47.4	48.5	49.6	49.6	50.7
0.0	22.5°	30.8	33.1	34.2	36.4	37.5	38.6	39.7	40.8	41.9	43.0
0.0	25°	22.0	24.2	25.3	27.5	28.6	29.7	30.8	32.0	32.0	33.1
0.0	27.5°	12.1	14.3	16.5	17.6	19.8	20.9	22.0	23.1	24.2	25.3
0.0	30°	5.5	6.6	7.7	9.9	11.0	12.1	13.2	15.4	16.5	17.6
0.0	32.5°	0.0	0.0	1.1	3.3	4.4	5.5	6.6	7.7	7.7	8.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	4.4
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°	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	82.5°	5.5	6.6	7.7	7.7	8.8	8.8	8.8	8.8	7.7	7.7
	85°	11.0	12.1	13.2	13.2	14.3	14.3	14.3	14.3	14.3	14.3
	87.5°	15.4	16.5	17.6	17.6	18.7	18.7	18.7	18.7	18.7	18.7
	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
63.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
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REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	73.8	73.8	72.7	72.7	72.7	72.7	72.7	73.8	74.9	74.9
0.0	5°	70.5	70.5	69.4	69.4	69.4	70.5	70.5	71.6	72.7	73.8
0.0	7.5°	67.2	66.1	66.1	67.2	67.2	68.3	68.3	69.4	70.5	71.6
0.0	10°	65.0	63.9	63.9	63.9	65.0	65.0	66.1	67.2	68.3	69.4
0.0	12.5°	60.6	60.6	60.6	60.6	61.7	61.7	62.8	63.9	66.1	67.2
0.0	15°	58.4	57.3	57.3	57.3	57.3	58.4	58.4	60.6	62.8	63.9
0.0	17.5°	54.0	54.0	52.9	52.9	54.0	54.0	55.1	57.3	59.5	60.6
0.0	20°	49.6	48.5	47.4	47.4	48.5	48.5	49.6	51.8	54.0	55.1
0.0	22.5°	43.0	41.9	41.9	41.9	41.9	43.0	43.0	45.2	48.5	50.7
0.0	25°	34.2	35.3	35.3	36.4	36.4	37.5	38.6	40.8	44.1	46.3
0.0	27.5°	26.4	27.5	27.5	29.7	30.8	32.0	33.1	36.4	39.7	41.9
0.0	30°	19.8	20.9	22.0	23.1	25.3	27.5	29.7	33.1	36.4	38.6
0.0	32.5°	12.1	14.3	15.4	17.6	19.8	22.0	24.2	27.5	32.0	35.3
0.0	35°	8.8	9.9	12.1	13.2	15.4	17.6	19.8	24.2	27.5	32.0
0.0	37.5°	4.4	6.6	8.8	11.0	13.2	15.4	17.6	22.0	26.4	29.7
0.0	40°	3.3	5.5	6.6	8.8	12.1	14.3	16.5	20.9	25.3	29.7
0.0	42.5°	2.2	3.3	4.4	7.7	9.9	13.2	16.5	20.9	25.3	29.7
0.0	45°	2.2	2.2	3.3	6.6	9.9	14.3	17.6	22.0	25.3	29.7
0.0	47.5°	2.2	3.3	4.4	8.8	11.0	14.3	17.6	20.9	25.3	28.6
0.0	50°	3.3	4.4	5.5	9.9	12.1	15.4	17.6	22.0	25.3	29.7
0.0	52.5°	2.2	3.3	4.4	8.8	12.1	16.5	19.8	24.2	28.6	32.0
0.0	55°	1.1	1.1	1.1	6.6	13.2	18.7	25.3	28.6	33.1	36.4
0.0	57.5°	0.0	0.0	0.0	4.4	13.2	20.9	28.6	33.1	37.5	40.8
0.0	60°	0.0	0.0	0.0	4.4	13.2	20.9	28.6	34.2	39.7	45.2
0.0	62.5°	0.0	0.0	0.0	4.4	11.0	17.6	24.2	33.1	43.0	51.8
0.0	65°	0.0	0.0	0.0	3.3	8.8	14.3	19.8	33.1	46.3	58.4
0.0	67.5°	0.0	0.0	0.0	3.3	8.8	13.2	18.7	33.1	46.3	60.6
	70°	0.0	0.0	0.0	3.3	8.8	14.3	19.8	33.1	46.3	59.5
	72.5°	0.0	0.0	0.0	3.3	9.9	15.4	22.0	33.1	44.1	55.1
	75°	0.0	0.0	0.0	4.4	9.9	16.5	23.1	33.1	43.0	51.8
	77.5°	0.0	0.0	0.0	3.3	9.9	15.4	22.0	32.0	41.9	50.7
	80°	3.3	2.2	2.2	5.5	9.9	14.3	18.7	28.6	39.7	49.6
	82.5°	6.6	6.6	5.5	7.7	9.9	13.2	16.5	25.3	35.3	44.1
	85°	13.2	13.2	12.1	13.2	13.2	14.3	15.4	19.8	24.2	28.6
	87.5°	17.6	17.6	16.5	16.5	16.5	15.4	15.4	15.4	15.4	14.3
	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
63.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7											
66.1											
61.7											
60.6											
59.5											
52.9											
33.1											
14.3											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	77.1	78.2	78.2	79.3	80.4	81.5	81.5	82.6	82.6	82.6
0.0	5°	76.0	78.2	79.3	80.4	81.5	82.6	83.7	84.8	85.9	85.9
0.0	7.5°	74.9	76.0	78.2	79.3	81.5	82.6	84.8	85.9	87.0	88.1
0.0	10°	72.7	74.9	77.1	79.3	81.5	83.7	85.9	88.1	90.3	91.4
0.0	12.5°	70.5	73.8	76.0	78.2	81.5	84.8	87.0	90.3	92.5	94.8
0.0	15°	69.4	71.6	74.9	77.1	81.5	85.9	89.2	93.6	98.1	101.4
0.0	17.5°	66.1	70.5	73.8	77.1	81.5	87.0	91.4	95.9	102.5	109.1
0.0	20°	61.7	65.0	69.4	72.7	79.3	84.8	91.4	97.0	106.9	116.8
0.0	22.5°	57.3	61.7	65.0	69.4	77.1	83.7	91.4	98.1	114.6	130.0
0.0	25°	52.9	58.4	62.8	67.2	76.0	84.8	93.6	102.5	130.0	157.6
0.0	27.5°	50.7	55.1	60.6	65.0	76.0	88.1	99.2	110.2	154.2	197.2
0.0	30°	47.4	52.9	57.3	62.8	77.1	91.4	105.8	120.1	187.3	254.5
0.0	32.5°	44.1	49.6	55.1	60.6	79.3	98.1	115.7	134.4	222.6	309.6
0.0	35°	40.8	47.4	52.9	58.4	82.6	108.0	132.2	156.4	254.5	351.5
0.0	37.5°	39.7	46.3	51.8	57.3	83.7	109.1	135.5	160.9	257.8	354.8
0.0	40°	40.8	46.3	52.9	58.4	80.4	102.5	123.4	145.4	246.8	347.1
0.0	42.5°	40.8	47.4	54.0	60.6	78.2	95.9	113.5	131.1	243.5	355.9
0.0	45°	39.7	46.3	52.9	59.5	76.0	91.4	108.0	123.4	263.3	402.1
0.0	47.5°	38.6	45.2	51.8	58.4	74.9	91.4	108.0	124.5	340.4	555.3
0.0	50°	38.6	45.2	50.7	56.2	76.0	97.0	116.8	136.6	495.8	853.9
0.0	52.5°	40.8	46.3	50.7	55.1	78.2	102.5	125.6	148.7	630.2	1110.6
0.0	55°	44.1	47.4	51.8	55.1	83.7	111.3	139.9	167.5	671.0	1174.5
0.0	57.5°	48.5	51.8	55.1	58.4	93.6	128.9	163.1	198.3	674.3	1149.1
0.0	60°	54.0	58.4	61.7	65.0	102.5	141.0	178.5	215.9	610.4	1003.7
0.0	62.5°	66.1	71.6	76.0	81.5	117.9	153.1	189.5	224.8	506.8	788.9
0.0	65°	76.0	80.4	84.8	89.2	124.5	160.9	196.1	231.4	429.7	628.0
0.0	67.5°	78.2	82.6	85.9	90.3	126.7	163.1	198.3	234.7	368.0	500.2
	70°	79.3	84.8	91.4	97.0	134.4	171.9	208.2	245.7	326.1	406.5
	72.5°	76.0	87.0	97.0	106.9	142.1	176.3	211.5	245.7	303.0	360.3
	75°	76.0	91.4	105.8	120.1	146.5	171.9	198.3	223.7	267.7	311.8
	77.5°	80.4	100.3	120.1	139.9	155.3	169.7	185.1	199.4	228.1	256.7
	80°	80.4	101.4	121.2	142.1	148.7	156.4	163.1	169.7	173.0	176.3
	82.5°	69.4	85.9	102.5	119.0	111.3	103.6	95.9	88.1	82.6	76.0
	85°	35.3	38.6	40.8	43.0	39.7	36.4	33.1	29.7	27.5	24.2
	87.5°	14.3	14.3	13.2	13.2	13.2	13.2	12.1	12.1	12.1	12.1
	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
63.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
234.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
326.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
441.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
552.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
626.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
683.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
739.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
849.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1069.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1630.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2497.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3144.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3216.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2902.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2481.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1939.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1465.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1081.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
765.7											
569.6											
414.3											
311.8											
175.2											
79.3											
23.1											
11.0											
0.0											
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REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	82.6	81.5	81.5	80.4	79.3	78.2	77.1	76.0	74.9	73.8
0.0	5°	85.9	85.9	85.9	84.8	84.8	83.7	83.7	82.6	81.5	80.4
0.0	7.5°	89.2	90.3	90.3	91.4	91.4	91.4	91.4	90.3	90.3	90.3
0.0	10°	94.8	95.9	97.0	98.1	99.2	100.3	100.3	101.4	101.4	101.4
0.0	12.5°	101.4	104.7	106.9	110.2	112.4	115.7	117.9	121.2	123.4	125.6
0.0	15°	111.3	116.8	123.4	128.9	134.4	142.1	150.9	158.7	166.4	178.5
0.0	17.5°	125.6	143.2	160.9	177.4	195.0	233.6	272.1	309.6	348.2	404.3
0.0	20°	153.1	206.0	257.8	310.7	362.5	498.0	632.4	767.9	902.3	1046.7
0.0	22.5°	214.8	344.9	474.9	604.9	734.9	1018.0	1300.1	1583.2	1865.3	2196.9
0.0	25°	311.8	550.9	790.0	1027.9	1267.0	1709.9	2153.9	2596.8	3039.8	3470.5
0.0	27.5°	453.9	819.7	1185.5	1550.2	1916.0	2516.4	3118.0	3718.4	4318.9	4805.9
0.0	30°	629.1	1124.9	1620.7	2116.5	2612.3	3295.4	3978.4	4660.4	5343.5	5875.7
0.0	32.5°	794.4	1401.4	2008.5	2614.5	3221.5	3999.4	4778.3	5556.2	6334.0	6915.7
0.0	35°	902.3	1636.1	2371.0	3104.8	3838.5	4680.3	5522.0	6362.7	7204.4	7868.8
0.0	37.5°	1010.3	1857.6	2703.7	3551.0	4397.1	5321.5	6245.9	7170.2	8094.6	8915.4
0.0	40°	1131.5	2125.3	3118.0	4111.8	5104.4	6199.6	7293.6	8388.8	9482.8	10640.8
0.0	42.5°	1341.9	2569.3	3797.8	5025.1	6252.5	7701.3	9150.1	10597.8	12046.6	13699.3
0.0	45°	1737.5	3467.2	5198.1	6927.9	8657.6	10576.9	12497.2	14416.5	16335.8	18534.9
0.0	47.5°	2705.9	5085.7	7464.4	9844.2	12222.9	14295.3	16366.6	18439.0	20510.3	22700.6
0.0	50°	4140.4	6910.2	9680.0	12448.8	15218.6	17093.8	18967.9	20843.1	22717.2	24800.6
0.0	52.5°	5178.3	8063.8	10950.4	13835.9	16721.4	18413.7	20107.1	21799.4	23491.7	25438.5
0.0	55°	5256.5	8125.5	10995.5	13864.5	16733.5	18433.5	20133.5	21833.5	23533.6	25597.2
0.0	57.5°	4653.8	7499.7	10344.4	13190.3	16035.0	17970.8	19905.5	21841.3	23775.9	26007.0
0.0	60°	3958.6	6805.6	9651.4	12498.3	15344.2	17574.1	19805.2	22035.2	24265.1	26355.2
0.0	62.5°	3088.2	6016.7	8946.3	11874.8	14803.2	17067.3	19331.5	21594.5	23858.6	25426.4
0.0	65°	2301.6	5145.2	7988.9	10831.4	13675.0	15488.5	17302.0	19114.4	20927.9	21898.6
0.0	67.5°	1663.7	4116.2	6567.6	9020.1	11471.5	12769.4	14067.3	15364.0	16661.9	17404.5
	70°	1124.9	2823.8	4521.6	6220.5	7918.3	8984.8	10052.4	11118.9	12185.4	13188.0
	72.5°	778.9	1733.1	2688.3	3642.4	4596.5	5669.6	6741.7	7814.8	8886.8	9947.8
	75°	516.7	950.8	1386.0	1820.1	2254.2	3048.6	3844.0	4638.4	5432.8	6065.2
	77.5°	366.9	496.9	628.0	758.0	888.0	1036.8	1186.6	1335.3	1484.1	1709.9
	80°	174.1	190.6	207.1	222.6	239.1	293.1	347.1	401.0	455.0	512.3
	82.5°	82.6	89.2	95.9	101.4	108.0	113.5	119.0	124.5	130.0	124.5
	85°	22.0	22.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	22.0
	87.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	8.8	8.8	7.7
	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

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CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
63.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
459.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1192.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2528.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3901.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5292.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6408.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7498.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8533.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9737.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11798.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15351.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20734.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24890.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26884.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27385.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27661.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28238.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28444.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26995.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22870.3	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18148.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14189.5											
11008.8											
6697.6											
1935.8											
569.6											
117.9											
20.9											
7.7											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	2.5°	71.6	70.5	69.4	68.3	67.2	65.0	65.0	63.9	63.9
0.0	5°	78.2	77.1	76.0	74.9	74.9	73.8	72.7	72.7	71.6
0.0	7.5°	89.2	88.1	87.0	85.9	85.9	84.8	84.8	83.7	83.7
0.0	10°	102.5	102.5	102.5	102.5	102.5	101.4	101.4	101.4	100.3
0.0	12.5°	128.9	130.0	132.2	134.4	137.7	137.7	137.7	136.6	136.6
0.0	15°	203.8	215.9	224.8	233.6	241.3	258.9	256.7	253.4	251.2
0.0	17.5°	515.6	570.7	600.5	629.1	658.9	740.4	727.2	713.9	701.8
0.0	20°	1336.4	1480.8	1576.6	1672.5	1769.4	1922.6	1885.1	1847.6	1810.2
0.0	22.5°	2859.1	3190.7	3335.0	3479.4	3622.6	3807.7	3687.6	3567.5	3448.5
0.0	25°	4331.0	4761.8	5005.3	5248.8	5491.2	5596.9	5440.5	5282.9	5126.5
0.0	27.5°	5779.8	6266.8	6481.6	6695.4	6910.2	7131.7	6937.8	6742.8	6548.9
0.0	30°	6941.1	7473.2	7705.7	7937.1	8169.5	8323.8	8123.3	7921.6	7721.1
0.0	32.5°	8080.3	8662.0	8916.5	9171.0	9424.4	9645.9	9399.1	9151.2	8904.4
0.0	35°	9196.4	9860.7	10211.1	10561.5	10911.8	11117.8	10824.8	10530.6	10237.5
0.0	37.5°	10558.2	11379.0	11771.2	12163.4	12555.6	12931.3	12608.5	12284.6	11961.8
0.0	40°	12956.7	14114.6	14716.2	15318.8	15920.4	16405.2	15997.5	15589.9	15182.2
0.0	42.5°	17004.5	18657.2	19522.1	20385.8	21250.7	22007.6	21579.0	21150.5	20721.9
0.0	45°	22933.1	25132.2	26186.6	27239.9	28294.3	28847.3	28230.4	27612.3	26995.3
0.0	47.5°	27080.1	29270.4	30209.1	31147.8	32086.5	32717.8	31963.1	31208.4	30454.8
0.0	50°	28966.3	31049.8	31991.8	32932.7	33874.7	34376.0	33504.5	32631.9	31760.4
0.0	52.5°	29331.0	31277.8	32401.6	33526.5	34650.3	35320.2	34291.1	33261.0	32231.9
0.0	55°	29725.4	31789.0	33092.4	34396.9	35700.3	36628.0	35464.5	34299.9	33136.5
0.0	57.5°	30468.0	32699.1	33999.2	35298.1	36598.2	37386.0	36219.2	35051.3	33884.6
0.0	60°	30534.1	32623.1	33740.3	34858.5	35975.7	36471.5	35355.4	34238.2	33122.2
0.0	62.5°	28563.1	30130.9	30906.5	31682.2	32457.8	32996.6	31832.0	30666.3	29501.8
0.0	65°	23841.0	24811.6	25429.7	26047.8	26665.9	27308.2	26241.7	25175.2	24108.7
0.0	67.5°	18890.8	19633.3	20447.5	21261.7	22075.9	22762.3	21908.5	21053.5	20199.6
	70°	15192.1	16193.6	17109.2	18024.8	18940.3	19502.2	18645.1	17786.8	16929.6
	72.5°	12069.8	13130.8	13895.4	14658.9	15423.5	15561.2	14931.0	14300.8	13671.7
	75°	7328.9	7961.3	7976.7	7991.1	8006.5	8137.6	7615.4	7093.1	6572.0
	77.5°	2161.7	2387.5	2573.7	2758.8	2945.0	3169.8	2978.1	2785.2	2593.5
	80°	625.8	683.1	731.6	778.9	827.4	798.8	753.6	708.4	663.3
	82.5°	112.4	105.8	104.7	103.6	103.6	98.1	89.2	80.4	71.6
	85°	19.8	18.7	17.6	16.5	15.4	14.3	12.1	11.0	8.8
	87.5°	6.6	5.5	4.4	3.3	3.3	1.1	1.1	1.1	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: P1049153

CATALOG NUMBER: GALN-SA5A-830-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
0.0	0.0	2.5°	62.8	61.7	61.7	61.7	61.7	60.6	60.6	60.6	60.6
0.0	0.0	5°	69.4	69.4	68.3	68.3	67.2	67.2	66.1	66.1	65.0
0.0	0.0	7.5°	81.5	80.4	79.3	78.2	77.1	74.9	73.8	72.7	72.7
0.0	0.0	10°	98.1	95.9	94.8	92.5	91.4	89.2	87.0	84.8	82.6
0.0	0.0	12.5°	128.9	124.5	121.2	116.8	112.4	109.1	104.7	101.4	97.0
0.0	0.0	15°	223.7	212.6	200.5	186.2	170.8	156.4	141.0	132.2	122.3
0.0	0.0	17.5°	571.8	514.5	456.1	408.8	361.4	315.1	267.7	233.6	199.4
0.0	0.0	20°	1455.4	1296.8	1138.1	981.7	824.1	667.7	510.1	430.8	351.5
0.0	0.0	22.5°	2739.0	2444.8	2149.5	1864.2	1577.7	1292.4	1007.0	827.4	648.9
0.0	0.0	25°	4227.4	3857.3	3487.1	3017.7	2547.3	2077.9	1608.6	1316.6	1024.6
0.0	0.0	27.5°	5501.1	5074.7	4648.3	4077.6	3506.9	2936.2	2365.5	1930.3	1496.2
0.0	0.0	30°	6603.9	6145.6	5687.3	5022.9	4358.6	3694.2	3029.8	2485.6	1941.3
0.0	0.0	32.5°	7560.3	7011.6	6462.9	5777.6	5092.3	4407.0	3721.7	3054.1	2386.4
0.0	0.0	35°	8663.1	8023.0	7381.8	6621.6	5860.3	5100.0	4339.8	3586.2	2831.5
0.0	0.0	37.5°	10064.6	9279.0	8492.4	7645.1	6797.8	5951.7	5104.4	4242.9	3381.3
0.0	0.0	40°	12747.3	11733.7	10720.1	9643.7	8566.2	7489.8	6413.3	5355.6	4298.0
0.0	0.0	42.5°	17554.3	16184.8	14815.3	13383.1	11949.7	10517.4	9084.0	7592.2	6099.3
0.0	0.0	45°	22979.4	21280.5	19580.5	17973.0	16364.4	14757.0	13149.5	11102.4	9055.4
0.0	0.0	47.5°	26030.1	24195.7	22361.3	20839.8	19318.2	17796.7	16275.2	14068.4	11861.5
0.0	0.0	50°	27152.8	25285.4	23417.9	22017.5	20616.1	19215.8	17814.3	15604.2	13393.0
0.0	0.0	52.5°	27391.9	25487.0	23582.0	22172.9	20763.7	19355.7	17946.5	15750.7	13554.9
0.0	0.0	55°	27883.3	25839.5	23794.7	22188.3	20581.9	18975.6	17369.2	15138.2	12907.1
0.0	0.0	57.5°	28525.6	26430.1	24334.5	22504.5	20674.5	18845.6	17015.6	14576.3	12137.0
0.0	0.0	60°	28357.1	26533.6	24709.1	22749.1	20788.0	18828.0	16866.8	14184.0	11500.2
0.0	0.0	62.5°	25430.8	23978.7	22525.5	20913.6	19300.6	17688.7	16076.9	13314.8	10552.6
0.0	0.0	65°	20921.3	19861.4	18801.5	17504.7	16206.9	14910.1	13613.3	11136.6	8660.9
0.0	0.0	67.5°	16956.1	15761.8	14566.3	13532.9	12498.3	11464.9	10430.3	8481.3	6532.3
		70°	13471.2	12172.2	10872.2	9862.9	8852.6	7843.4	6834.2	5538.5	4244.0
		72.5°	10698.1	9526.9	8355.7	7279.3	6201.8	5125.4	4047.9	3282.1	2516.4
		75°	5113.3	4645.0	4176.8	3613.8	3050.8	2487.8	1924.8	1590.9	1258.2
		77.5°	1895.0	1642.7	1389.3	1160.2	931.0	702.9	473.8	434.1	394.4
		80°	490.3	427.5	363.6	318.4	272.1	227.0	181.8	164.2	147.6
		82.5°	56.2	51.8	48.5	46.3	43.0	40.8	37.5	34.2	30.8
		85°	3.3	2.2	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



REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049153

CATALOG NUMBER: GALN-SA5A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	63.9	63.9
0.0	0.0	2.5°	59.5	58.4
0.0	0.0	5°	62.8	61.7
0.0	0.0	7.5°	69.4	67.2
0.0	0.0	10°	76.0	73.8
0.0	0.0	12.5°	85.9	82.6
0.0	0.0	15°	97.0	90.3
0.0	0.0	17.5°	115.7	101.4
0.0	0.0	20°	156.4	120.1
0.0	0.0	22.5°	220.4	149.8
0.0	0.0	25°	323.9	207.1
0.0	0.0	27.5°	450.6	275.4
0.0	0.0	30°	599.4	344.9
0.0	0.0	32.5°	730.5	411.0
0.0	0.0	35°	901.2	478.2
0.0	0.0	37.5°	1111.7	564.1
0.0	0.0	40°	1437.8	694.1
0.0	0.0	42.5°	2025.0	934.3
0.0	0.0	45°	3288.7	1615.2
0.0	0.0	47.5°	5060.4	2671.8
0.0	0.0	50°	6190.8	3409.9
0.0	0.0	52.5°	6283.3	3404.4
0.0	0.0	55°	5735.8	3026.5
0.0	0.0	57.5°	4894.0	2529.6
0.0	0.0	60°	4067.7	2000.8
0.0	0.0	62.5°	3205.0	1381.6
0.0	0.0	65°	2342.3	977.3
0.0	0.0	67.5°	1682.4	730.5
		70°	1106.2	559.7
		72.5°	720.6	456.1
		75°	484.8	377.9
		77.5°	283.2	251.2
		80°	100.3	88.1
		82.5°	18.7	13.2
		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: P1049153

CATALOG NUMBER: GALN-SA5A-830-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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

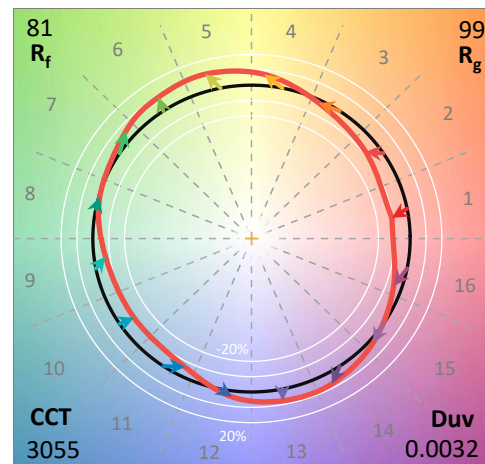
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

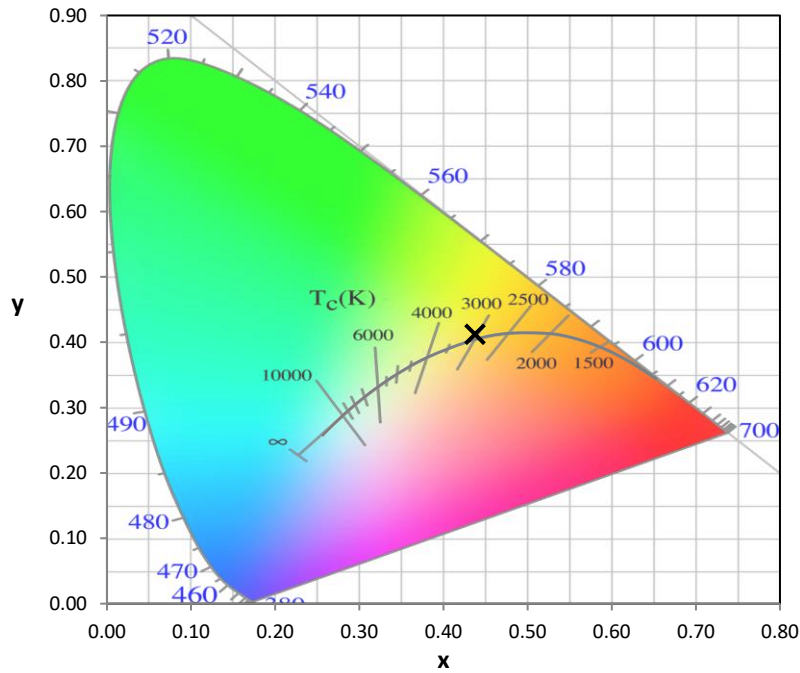
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

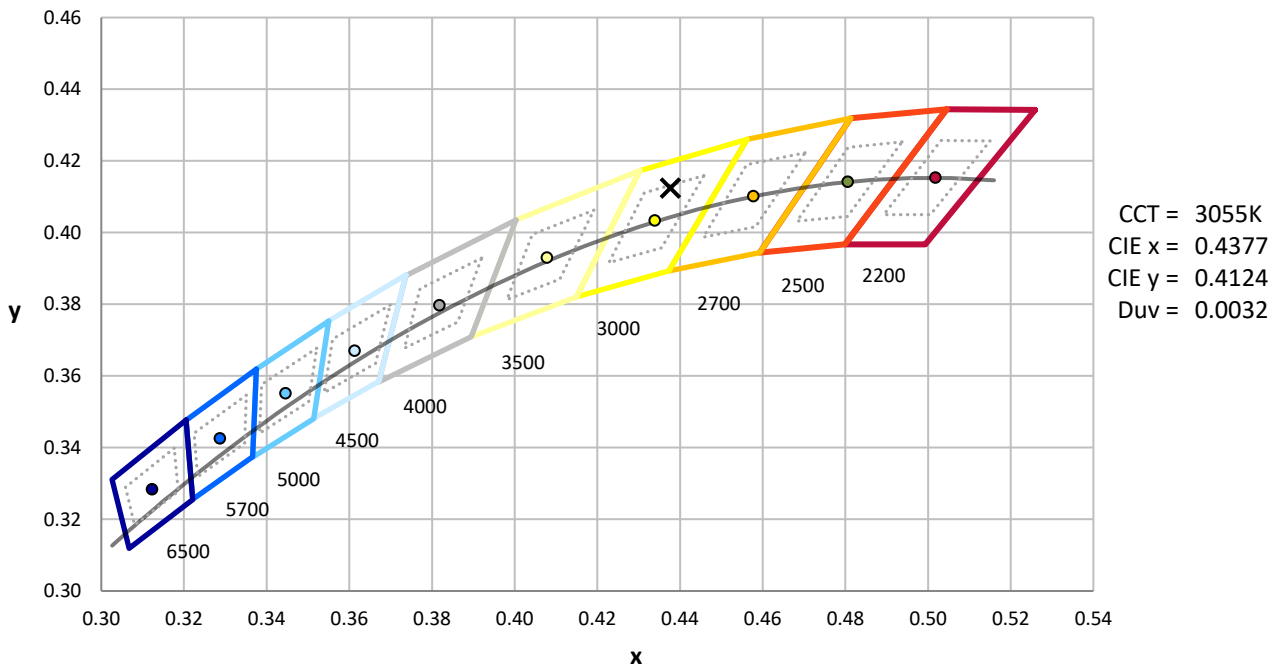
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



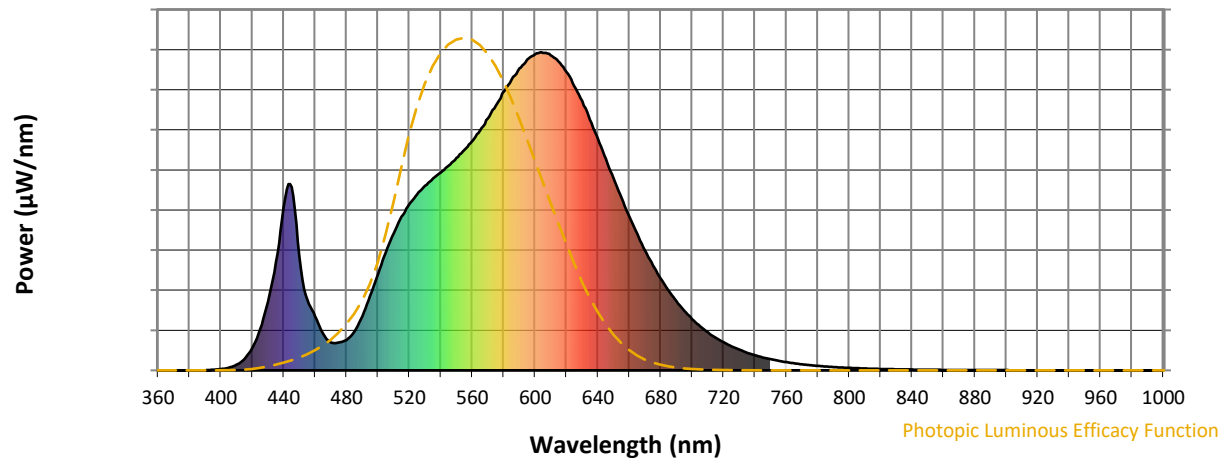
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

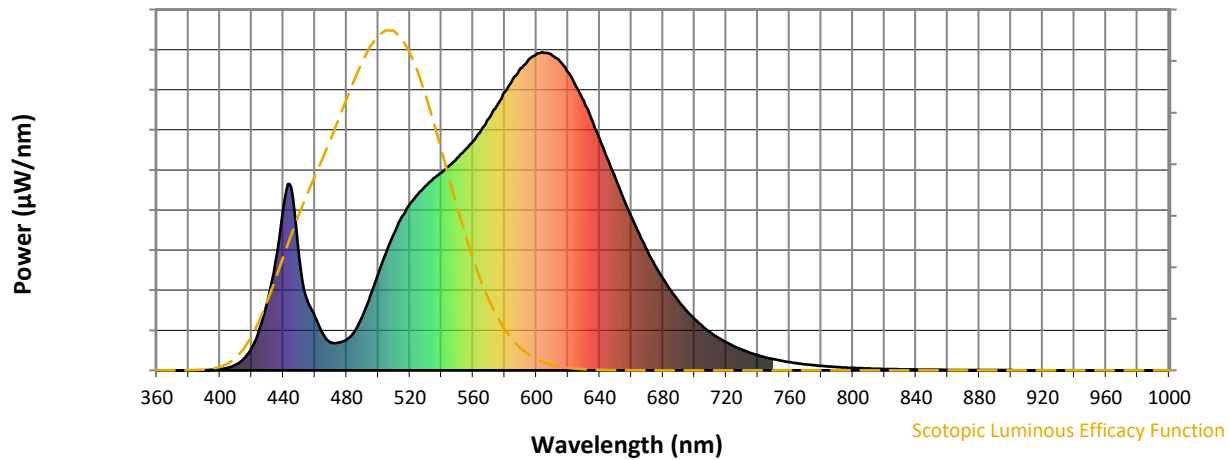


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



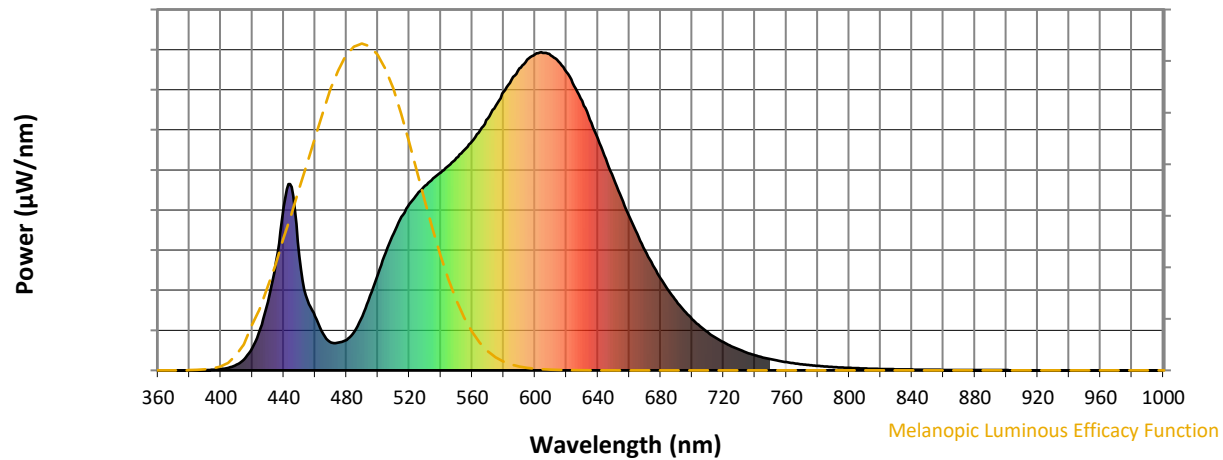
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

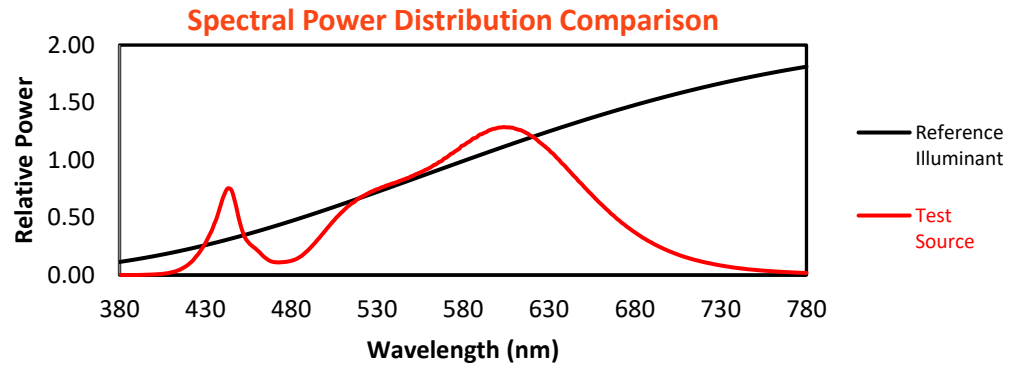
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

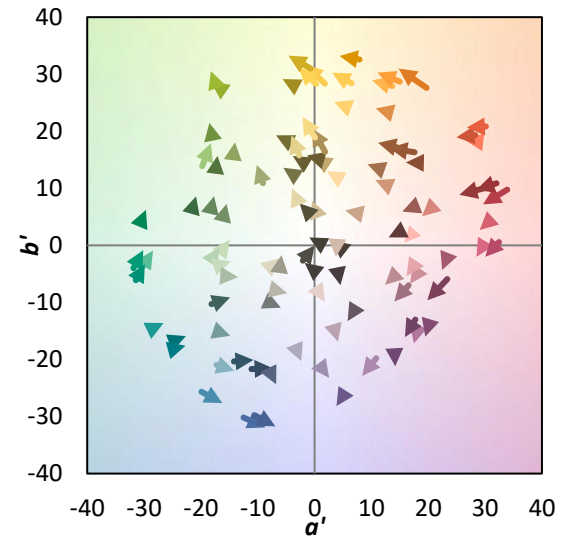
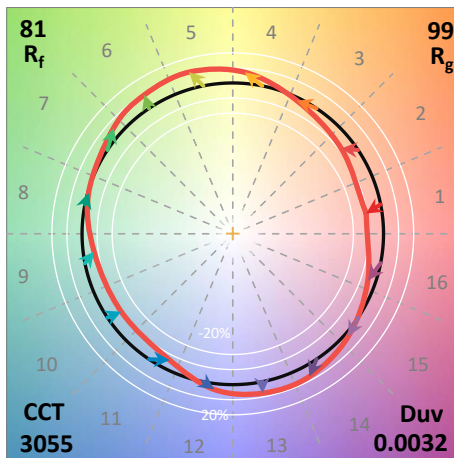
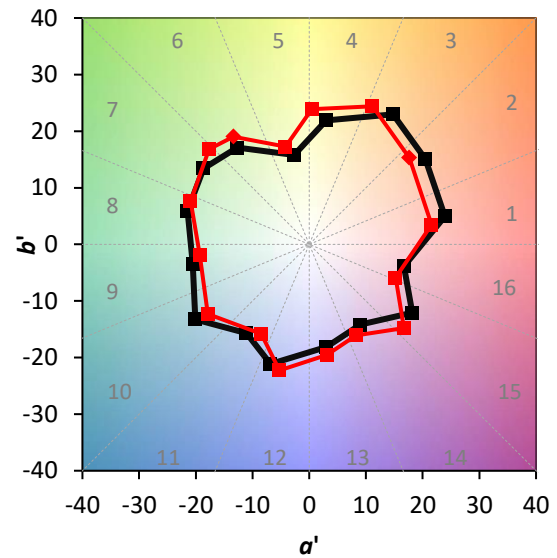
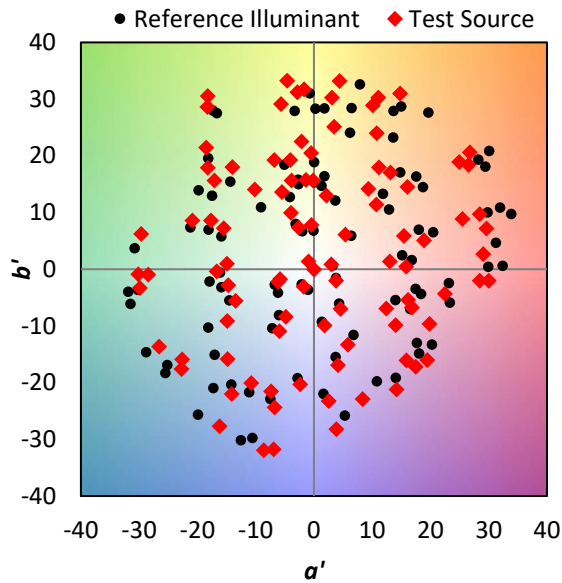
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

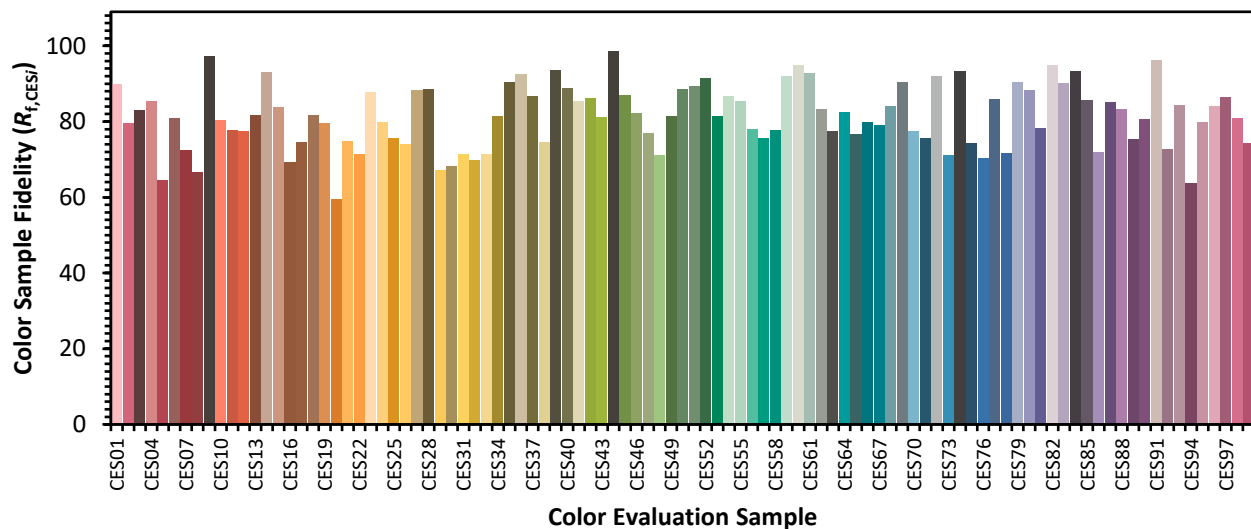


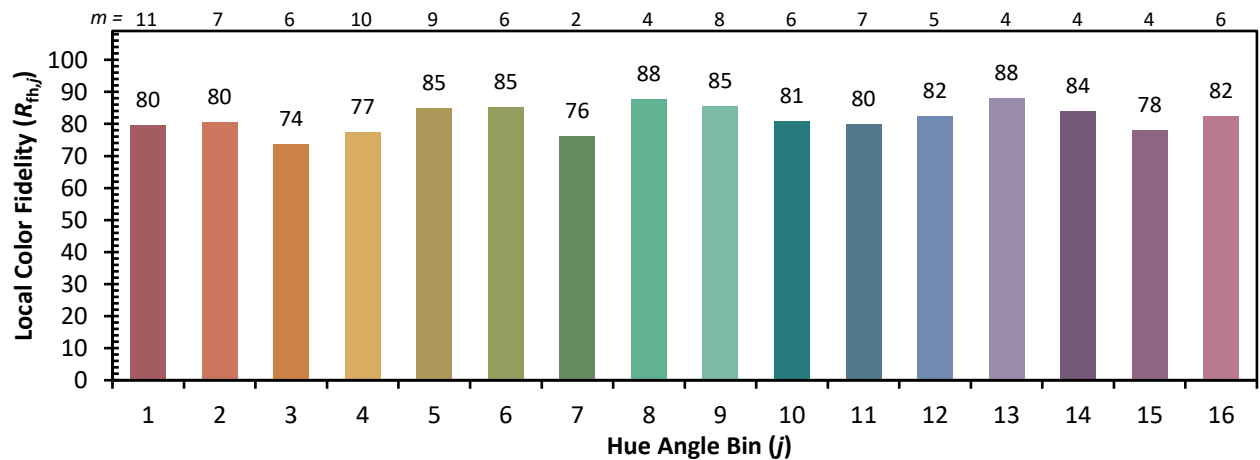
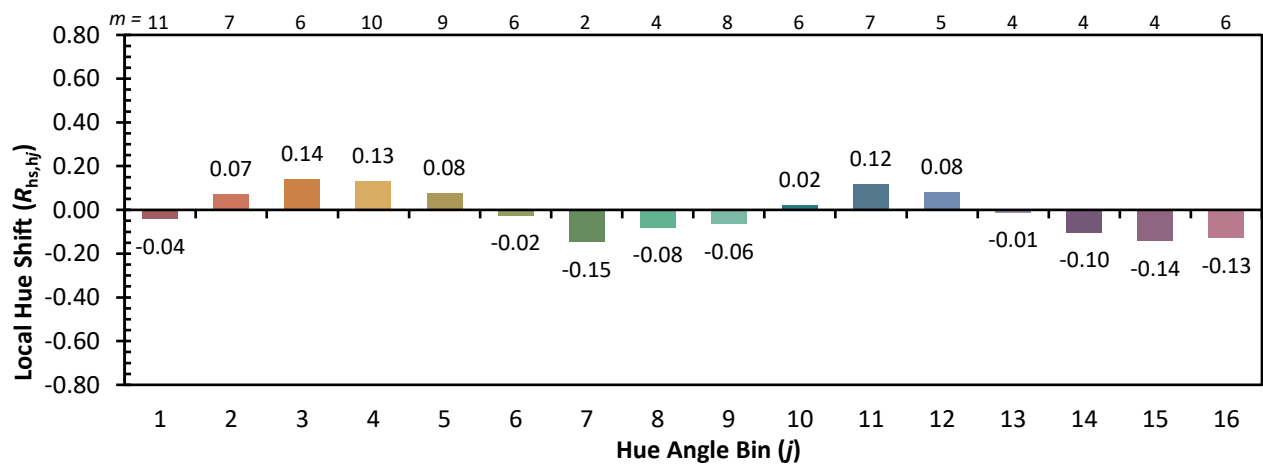
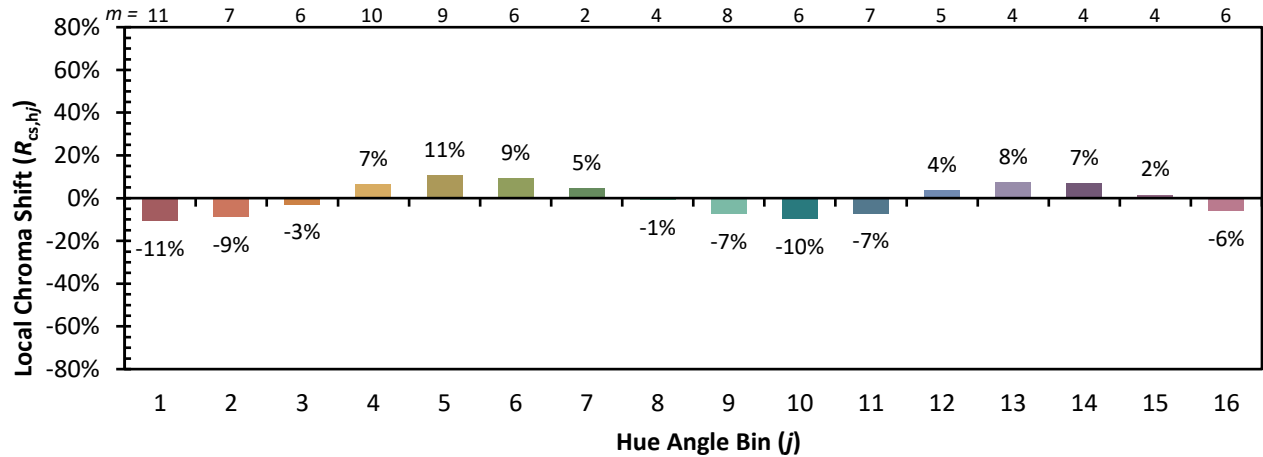
Color Vector Graphics

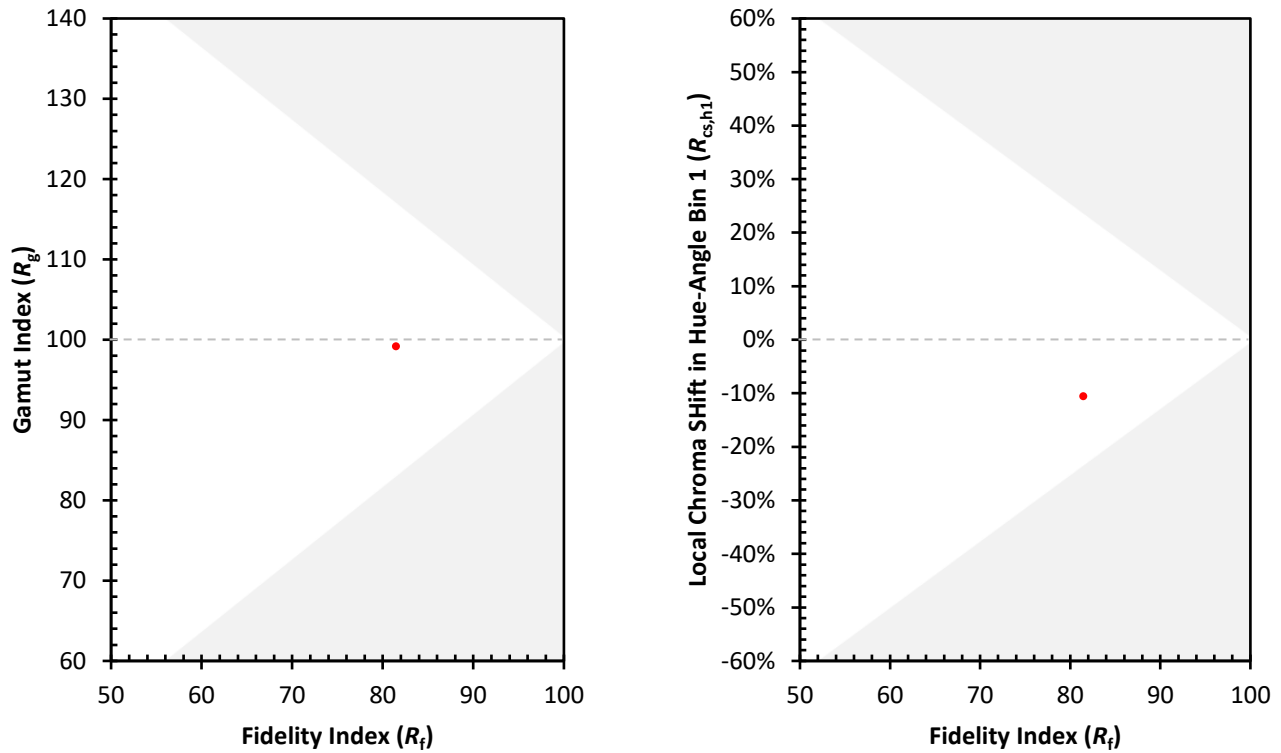


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)