

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: P1049150

Luminaire Tested: **GALN-SA4B-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049150
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14771.1 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

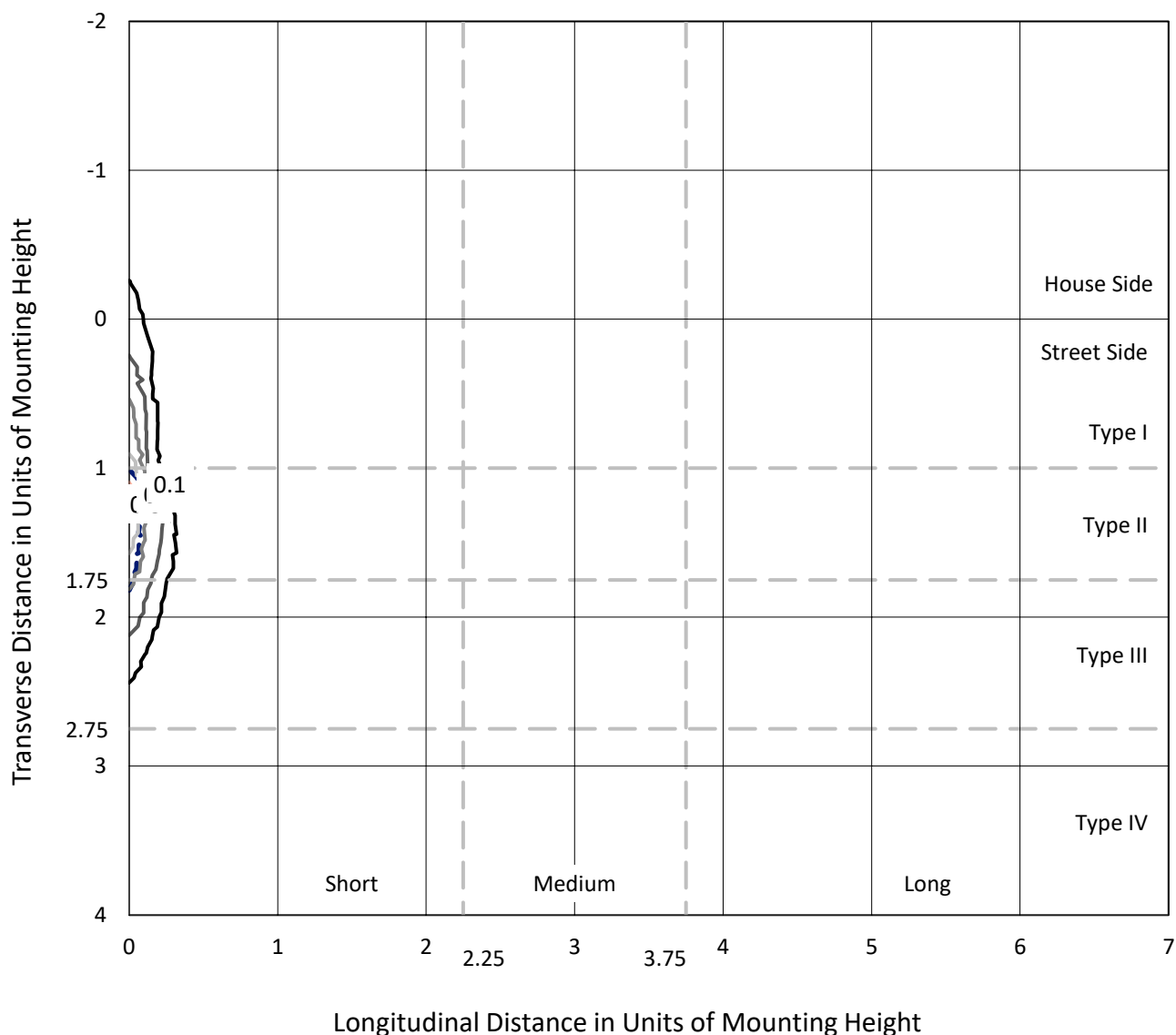
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

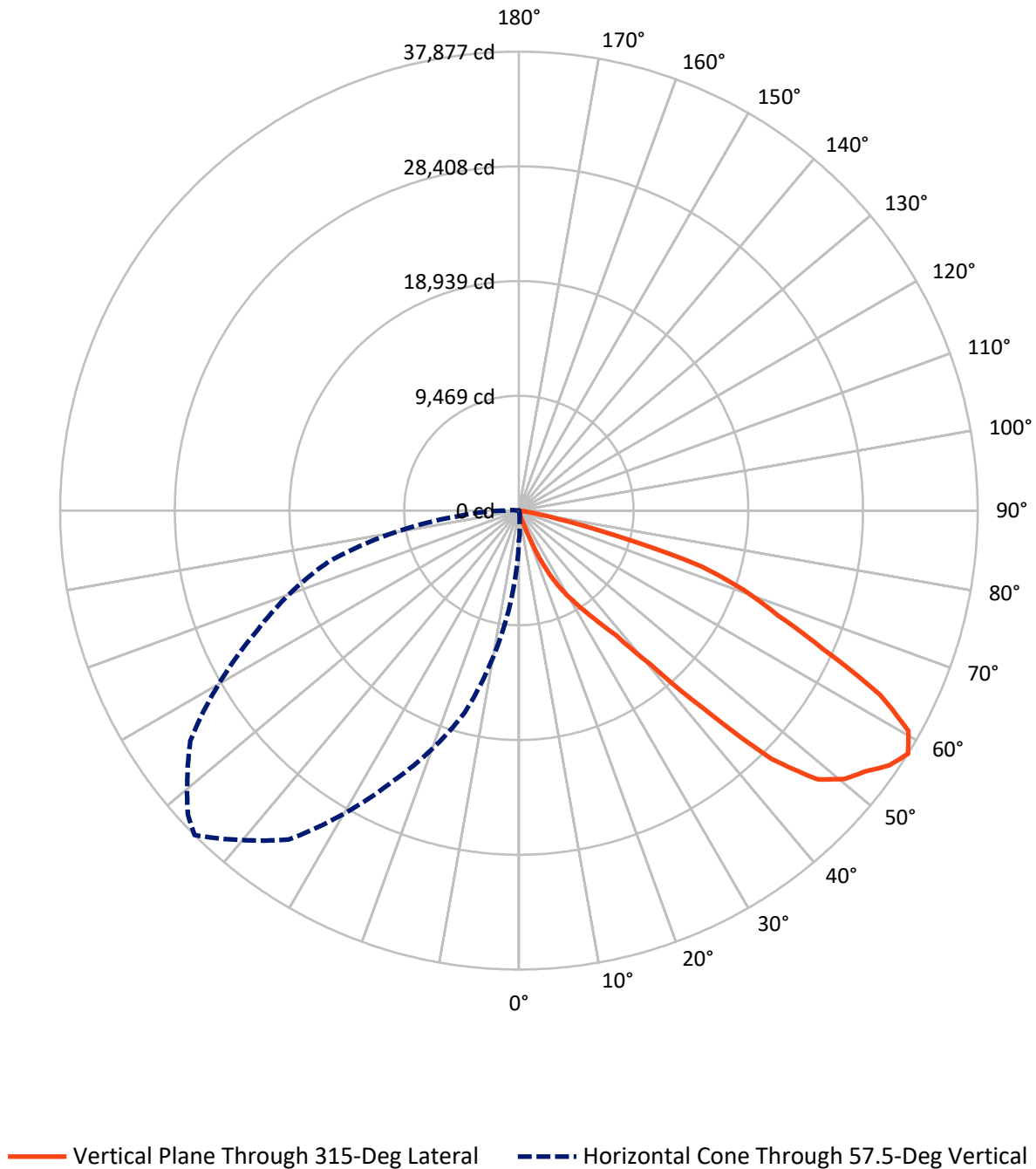


Based on 20 foot mounting height. Maximum calculated value = 2.2 fc

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	74.0	0.0	74.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	14697.1	0.0	14697.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	14771.1	0.0	14771.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.0
10°-20°	32.5	0.2
20°-30°	350.1	2.4
30°-40°	1035.2	7.0
40°-50°	3085.1	20.9
50°-60°	4891.8	33.1
60°-70°	4083.5	27.6
70°-80°	1259.2	8.5
80°-90°	28.0	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°	14771.1	100.0
0°-180°	14771.1	100.0



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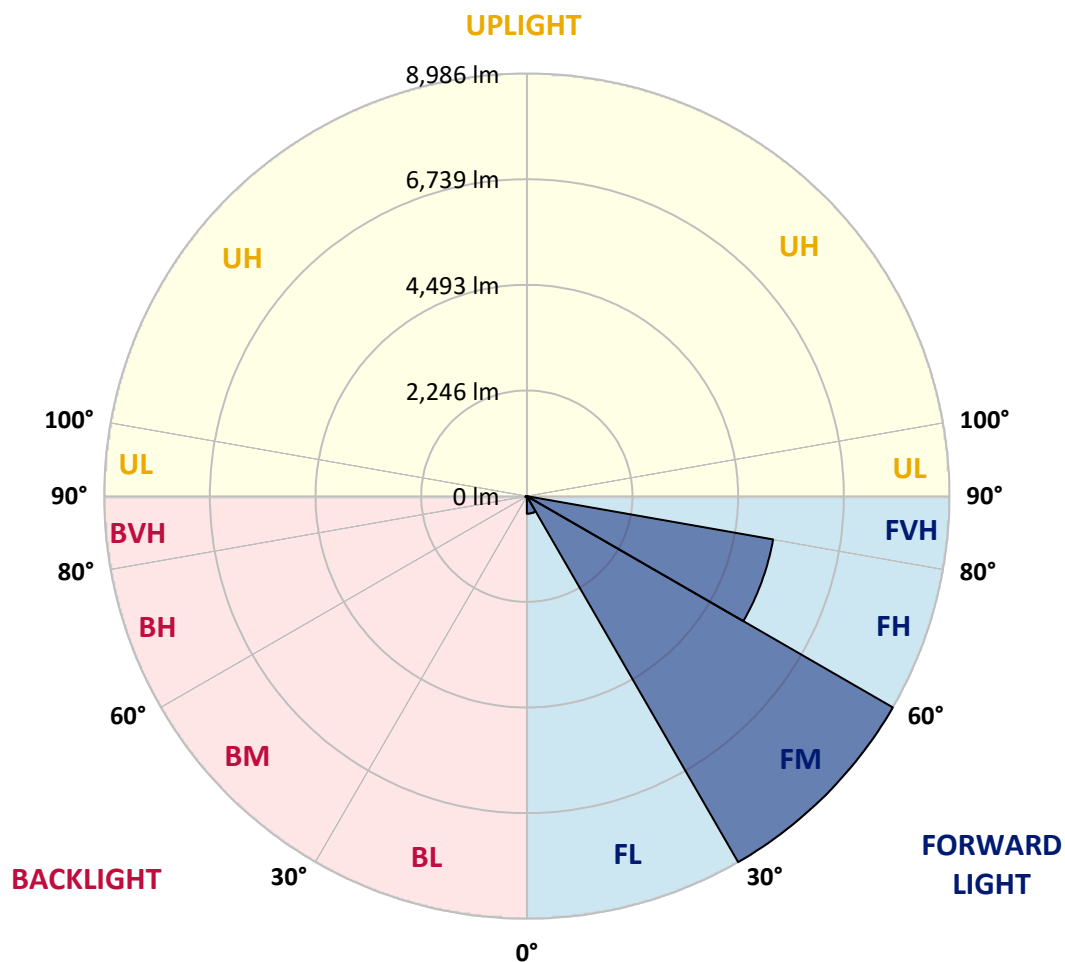
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.7	2.5			
FM	(30°-60°)	8985.6	60.8			
FH	(60°-80°)	5315.1	36.0			G3/7500
FVH	(80°-90°)	21.6	0.1			G1/100
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	26.4	0.2	B0/220		
BH	(60°-80°)	27.6	0.2	B0/110		G0/110
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
2.5°	59.2	59.2	59.2	59.2	58.0	58.0	56.9	56.9	55.8	55.8
5°	62.5	62.5	61.4	60.3	60.3	59.2	58.0	56.9	56.9	55.8
7.5°	68.1	67.0	65.9	64.7	62.5	61.4	59.2	58.0	56.9	54.7
10°	74.8	72.6	70.3	68.1	65.9	63.6	61.4	60.3	58.0	56.9
12.5°	83.7	80.4	75.9	72.6	70.3	67.0	64.7	62.5	59.2	56.9
15°	91.5	87.1	81.5	77.0	73.7	69.2	65.9	62.5	60.3	56.9
17.5°	102.7	94.9	86.0	80.4	75.9	70.3	64.7	61.4	58.0	53.6
20°	121.7	106.0	89.3	82.6	75.9	69.2	62.5	58.0	54.7	50.2
22.5°	151.8	125.0	98.2	88.2	79.3	69.2	60.3	55.8	51.3	46.9
25°	209.9	161.9	113.9	100.5	87.1	73.7	60.3	54.7	50.2	44.6
27.5°	279.1	207.6	135.1	116.1	98.2	79.3	60.3	53.6	48.0	41.3
30°	349.4	254.5	158.5	133.9	109.4	84.8	60.3	52.5	45.8	38.0
32.5°	416.4	298.0	178.6	149.6	120.6	90.4	61.4	52.5	43.5	34.6
35°	484.4	333.8	181.9	151.8	121.7	90.4	60.3	50.2	41.3	31.3
37.5°	571.5	373.9	175.2	145.1	116.1	86.0	56.9	48.0	39.1	29.0
40°	703.2	440.9	178.6	147.3	116.1	84.8	53.6	44.6	36.8	27.9
42.5°	946.6	570.4	193.1	157.4	121.7	84.8	49.1	41.3	34.6	26.8
45°	1636.4	947.7	259.0	205.4	151.8	98.2	44.6	38.0	32.4	25.7
47.5°	2706.9	1586.2	465.5	359.4	254.5	148.5	43.5	38.0	32.4	25.7
50°	3454.7	2020.4	586.0	451.0	315.9	180.8	45.8	39.1	33.5	26.8
52.5°	3449.2	2051.6	653.0	501.2	350.5	198.7	48.0	41.3	35.7	29.0
55°	3066.3	1866.3	665.3	511.2	358.3	204.3	51.3	44.6	38.0	31.3
57.5°	2562.9	1585.1	607.2	469.9	333.8	196.5	59.2	51.3	44.6	36.8
60°	2027.1	1250.2	473.3	373.9	275.7	176.4	78.1	68.1	59.2	49.1
62.5°	1399.8	906.4	413.0	331.5	251.2	169.7	89.3	79.3	70.3	60.3
65°	990.1	682.0	372.8	303.6	235.5	166.3	97.1	86.0	75.9	64.7
67.5°	740.1	542.5	343.8	284.6	225.5	166.3	107.2	93.8	81.5	68.1
70°	567.0	445.4	322.6	274.6	227.7	179.7	131.7	112.7	94.9	75.9
72.5°	462.1	380.6	298.0	263.4	228.8	194.2	159.6	135.1	110.5	84.8
75°	382.9	325.9	269.0	240.0	212.1	183.1	154.0	131.7	110.5	88.2
77.5°	254.5	232.2	208.7	192.0	175.2	157.4	140.6	121.7	103.8	84.8
80°	89.3	86.0	82.6	89.3	96.0	102.7	109.4	96.0	83.7	70.3
82.5°	13.4	12.3	11.2	12.3	13.4	14.5	15.6	16.7	17.9	19.0
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):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	54.7	54.7	53.6	53.6	53.6	52.5	52.5	51.3	51.3	51.3
0.0	5°	53.6	53.6	52.5	51.3	50.2	50.2	49.1	48.0	48.0	46.9
0.0	7.5°	52.5	51.3	50.2	49.1	48.0	46.9	45.8	44.6	44.6	43.5
0.0	10°	53.6	51.3	50.2	48.0	46.9	45.8	43.5	42.4	41.3	41.3
0.0	12.5°	51.3	50.2	48.0	45.8	44.6	42.4	41.3	39.1	38.0	38.0
0.0	15°	51.3	49.1	45.8	43.5	41.3	40.2	38.0	35.7	34.6	33.5
0.0	17.5°	48.0	45.8	42.4	40.2	38.0	35.7	33.5	31.3	30.1	29.0
0.0	20°	43.5	41.3	38.0	34.6	32.4	30.1	27.9	25.7	24.6	23.4
0.0	22.5°	39.1	36.8	33.5	30.1	27.9	25.7	22.3	20.1	19.0	16.7
0.0	25°	36.8	33.5	30.1	26.8	23.4	21.2	17.9	14.5	12.3	10.0
0.0	27.5°	31.3	27.9	24.6	21.2	17.9	14.5	11.2	7.8	5.6	4.5
0.0	30°	26.8	23.4	20.1	16.7	12.3	8.9	5.6	1.1	1.1	1.1
0.0	32.5°	22.3	19.0	14.5	11.2	8.9	5.6	3.3	0.0	0.0	0.0
0.0	35°	17.9	14.5	10.0	6.7	5.6	3.3	2.2	0.0	0.0	0.0
0.0	37.5°	15.6	12.3	7.8	3.3	2.2	2.2	1.1	0.0	0.0	0.0
0.0	40°	14.5	10.0	5.6	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	14.5	10.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	14.5	10.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	14.5	10.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	15.6	11.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	17.9	13.4	8.9	4.5	3.3	2.2	1.1	0.0	0.0	0.0
0.0	55°	22.3	20.1	16.7	14.5	11.2	7.8	3.3	0.0	0.0	0.0
0.0	57.5°	29.0	29.0	27.9	26.8	20.1	13.4	6.7	0.0	0.0	0.0
0.0	60°	39.1	39.1	39.1	39.1	29.0	20.1	10.0	0.0	0.0	0.0
0.0	62.5°	48.0	45.8	42.4	40.2	30.1	20.1	10.0	0.0	0.0	0.0
0.0	65°	48.0	43.5	38.0	32.4	24.6	16.7	7.8	0.0	0.0	0.0
0.0	67.5°	44.6	35.7	25.7	16.7	12.3	8.9	4.5	0.0	0.0	0.0
	70°	44.6	31.3	17.9	4.5	3.3	2.2	1.1	0.0	0.0	0.0
	72.5°	44.6	30.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	49.1	33.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	49.1	33.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	43.5	29.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	14.5	10.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	50.2	50.2	50.2	49.1	49.1	49.1	49.1	48.0	48.0	48.0
0.0	5°	45.8	45.8	44.6	44.6	43.5	43.5	42.4	42.4	41.3	41.3
0.0	7.5°	42.4	41.3	41.3	40.2	39.1	39.1	38.0	38.0	36.8	35.7
0.0	10°	39.1	38.0	38.0	36.8	35.7	34.6	34.6	33.5	32.4	31.3
0.0	12.5°	35.7	34.6	33.5	32.4	31.3	30.1	30.1	29.0	27.9	26.8
0.0	15°	31.3	30.1	29.0	27.9	26.8	25.7	25.7	24.6	23.4	22.3
0.0	17.5°	26.8	25.7	25.7	24.6	23.4	22.3	21.2	19.0	17.9	16.7
0.0	20°	20.1	19.0	17.9	16.7	15.6	13.4	12.3	10.0	7.8	6.7
0.0	22.5°	13.4	11.2	10.0	7.8	5.6	4.5	3.3	1.1	0.0	0.0
0.0	25°	4.5	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: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	46.9	46.9	46.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8
0.0	5°	40.2	40.2	40.2	39.1	39.1	38.0	38.0	38.0	36.8	36.8
0.0	7.5°	34.6	33.5	33.5	32.4	32.4	31.3	31.3	31.3	30.1	30.1
0.0	10°	29.0	27.9	27.9	26.8	26.8	25.7	25.7	24.6	24.6	23.4
0.0	12.5°	25.7	24.6	23.4	22.3	22.3	21.2	20.1	20.1	19.0	17.9
0.0	15°	20.1	19.0	17.9	16.7	15.6	14.5	13.4	13.4	12.3	11.2
0.0	17.5°	13.4	11.2	10.0	8.9	8.9	7.8	6.7	5.6	4.5	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



REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	45.8	44.6	44.6	44.6	45.8	45.8	45.8	45.8	45.8	45.8
0.0	5°	36.8	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
0.0	7.5°	30.1	29.0	29.0	29.0	29.0	27.9	27.9	27.9	27.9	27.9
0.0	10°	23.4	22.3	22.3	22.3	22.3	21.2	21.2	21.2	21.2	21.2
0.0	12.5°	16.7	16.7	15.6	15.6	15.6	14.5	14.5	14.5	14.5	13.4
0.0	15°	10.0	8.9	7.8	7.8	7.8	6.7	6.7	6.7	6.7	5.6
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
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-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	46.9	46.9	48.0	48.0	49.1	51.3	52.5	53.6	55.8	58.0
0.0	5°	36.8	38.0	38.0	39.1	40.2	41.3	42.4	43.5	45.8	48.0
0.0	7.5°	29.0	29.0	30.1	30.1	31.3	33.5	34.6	35.7	38.0	41.3
0.0	10°	22.3	22.3	23.4	23.4	24.6	26.8	27.9	29.0	31.3	34.6
0.0	12.5°	14.5	15.6	15.6	16.7	17.9	20.1	21.2	22.3	24.6	26.8
0.0	15°	6.7	7.8	7.8	8.9	10.0	12.3	13.4	14.5	16.7	20.1
0.0	17.5°	1.1	1.1	2.2	2.2	3.3	4.5	5.6	6.7	10.0	12.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.5
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
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	61.4	63.6	65.9	68.1	70.3	72.6	73.7	75.9	77.0	78.1
0.0	5°	52.5	54.7	58.0	60.3	62.5	64.7	67.0	68.1	69.2	70.3
0.0	7.5°	45.8	48.0	51.3	53.6	55.8	58.0	60.3	62.5	63.6	64.7
0.0	10°	39.1	42.4	44.6	48.0	50.2	52.5	54.7	56.9	59.2	60.3
0.0	12.5°	31.3	34.6	38.0	40.2	43.5	46.9	49.1	51.3	53.6	55.8
0.0	15°	24.6	27.9	31.3	33.5	36.8	40.2	43.5	45.8	48.0	50.2
0.0	17.5°	17.9	21.2	24.6	26.8	30.1	33.5	35.7	39.1	41.3	43.5
0.0	20°	8.9	12.3	15.6	19.0	22.3	25.7	27.9	31.3	33.5	35.7
0.0	22.5°	1.1	4.5	7.8	10.0	13.4	16.7	19.0	22.3	24.6	26.8
0.0	25°	0.0	1.1	3.3	4.5	5.6	7.8	10.0	12.3	14.5	16.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.2	4.5	6.7	8.9
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	5.6	6.7	7.8
	87.5°	0.0	1.1	2.2	3.3	4.5	6.7	8.9	11.2	12.3	13.4
	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: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
64.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	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											
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1.1											
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REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	79.3	79.3	79.3	79.3	78.1	78.1	78.1	77.0	77.0	75.9
0.0	5°	72.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	72.6	72.6
0.0	7.5°	67.0	68.1	69.2	69.2	70.3	70.3	70.3	69.2	69.2	68.1
0.0	10°	63.6	64.7	64.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
0.0	12.5°	59.2	60.3	61.4	61.4	62.5	62.5	62.5	62.5	61.4	61.4
0.0	15°	53.6	55.8	56.9	58.0	58.0	59.2	59.2	59.2	59.2	59.2
0.0	17.5°	49.1	51.3	52.5	53.6	53.6	54.7	54.7	55.8	55.8	55.8
0.0	20°	40.2	42.4	43.5	45.8	46.9	48.0	49.1	50.2	50.2	51.3
0.0	22.5°	31.3	33.5	34.6	36.8	38.0	39.1	40.2	41.3	42.4	43.5
0.0	25°	22.3	24.6	25.7	27.9	29.0	30.1	31.3	32.4	32.4	33.5
0.0	27.5°	12.3	14.5	16.7	17.9	20.1	21.2	22.3	23.4	24.6	25.7
0.0	30°	5.6	6.7	7.8	10.0	11.2	12.3	13.4	15.6	16.7	17.9
0.0	32.5°	0.0	0.0	1.1	3.3	4.5	5.6	6.7	7.8	7.8	8.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3	4.5
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°	5.6	6.7	7.8	7.8	8.9	8.9	8.9	8.9	7.8	7.8
	85°	11.2	12.3	13.4	13.4	14.5	14.5	14.5	14.5	14.5	14.5
	87.5°	15.6	16.7	17.9	17.9	19.0	19.0	19.0	19.0	19.0	19.0
	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: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
64.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.7	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: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	74.8	74.8	73.7	73.7	73.7	73.7	73.7	74.8	75.9	75.9
0.0	5°	71.4	71.4	70.3	70.3	70.3	71.4	71.4	72.6	73.7	74.8
0.0	7.5°	68.1	67.0	67.0	68.1	68.1	69.2	69.2	70.3	71.4	72.6
0.0	10°	65.9	64.7	64.7	64.7	65.9	65.9	67.0	68.1	69.2	70.3
0.0	12.5°	61.4	61.4	61.4	61.4	62.5	62.5	63.6	64.7	67.0	68.1
0.0	15°	59.2	58.0	58.0	58.0	58.0	59.2	59.2	61.4	63.6	64.7
0.0	17.5°	54.7	54.7	53.6	53.6	54.7	54.7	55.8	58.0	60.3	61.4
0.0	20°	50.2	49.1	48.0	48.0	49.1	49.1	50.2	52.5	54.7	55.8
0.0	22.5°	43.5	42.4	42.4	42.4	42.4	43.5	43.5	45.8	49.1	51.3
0.0	25°	34.6	35.7	35.7	36.8	36.8	38.0	39.1	41.3	44.6	46.9
0.0	27.5°	26.8	27.9	27.9	30.1	31.3	32.4	33.5	36.8	40.2	42.4
0.0	30°	20.1	21.2	22.3	23.4	25.7	27.9	30.1	33.5	36.8	39.1
0.0	32.5°	12.3	14.5	15.6	17.9	20.1	22.3	24.6	27.9	32.4	35.7
0.0	35°	8.9	10.0	12.3	13.4	15.6	17.9	20.1	24.6	27.9	32.4
0.0	37.5°	4.5	6.7	8.9	11.2	13.4	15.6	17.9	22.3	26.8	30.1
0.0	40°	3.3	5.6	6.7	8.9	12.3	14.5	16.7	21.2	25.7	30.1
0.0	42.5°	2.2	3.3	4.5	7.8	10.0	13.4	16.7	21.2	25.7	30.1
0.0	45°	2.2	2.2	3.3	6.7	10.0	14.5	17.9	22.3	25.7	30.1
0.0	47.5°	2.2	3.3	4.5	8.9	11.2	14.5	17.9	21.2	25.7	29.0
0.0	50°	3.3	4.5	5.6	10.0	12.3	15.6	17.9	22.3	25.7	30.1
0.0	52.5°	2.2	3.3	4.5	8.9	12.3	16.7	20.1	24.6	29.0	32.4
0.0	55°	1.1	1.1	1.1	6.7	13.4	19.0	25.7	29.0	33.5	36.8
0.0	57.5°	0.0	0.0	0.0	4.5	13.4	21.2	29.0	33.5	38.0	41.3
0.0	60°	0.0	0.0	0.0	4.5	11.2	17.9	24.6	33.5	43.5	52.5
0.0	62.5°	0.0	0.0	0.0	3.3	8.9	14.5	20.1	33.5	46.9	59.2
0.0	65°	0.0	0.0	0.0	3.3	8.9	13.4	19.0	33.5	46.9	61.4
0.0	67.5°	0.0	0.0	0.0	3.3	8.9	14.5	20.1	33.5	46.9	60.3
	70°	0.0	0.0	0.0	3.3	10.0	15.6	22.3	33.5	44.6	55.8
	72.5°	0.0	0.0	0.0	4.5	10.0	16.7	23.4	33.5	43.5	52.5
	75°	0.0	0.0	0.0	3.3	10.0	15.6	22.3	32.4	42.4	51.3
	77.5°	0.0	0.0	0.0	5.6	10.0	14.5	19.0	29.0	40.2	50.2
	80°	6.7	6.7	5.6	7.8	10.0	13.4	16.7	25.7	35.7	44.6
	82.5°	13.4	13.4	12.3	13.4	13.4	14.5	15.6	20.1	24.6	29.0
	85°	17.9	17.9	16.7	16.7	16.7	15.6	15.6	15.6	15.6	14.5
	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: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
64.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7											
67.0											
62.5											
61.4											
60.3											
53.6											
33.5											
14.5											
0.0											
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REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	78.1	79.3	79.3	80.4	81.5	82.6	82.6	83.7	83.7	83.7
0.0	5°	77.0	79.3	80.4	81.5	82.6	83.7	84.8	86.0	87.1	87.1
0.0	7.5°	75.9	77.0	79.3	80.4	82.6	83.7	86.0	87.1	88.2	89.3
0.0	10°	73.7	75.9	78.1	80.4	82.6	84.8	87.1	89.3	91.5	92.6
0.0	12.5°	71.4	74.8	77.0	79.3	82.6	86.0	88.2	91.5	93.8	96.0
0.0	15°	70.3	72.6	75.9	78.1	82.6	87.1	90.4	94.9	99.3	102.7
0.0	17.5°	67.0	71.4	74.8	78.1	82.6	88.2	92.6	97.1	103.8	110.5
0.0	20°	62.5	65.9	70.3	73.7	80.4	86.0	92.6	98.2	108.3	118.3
0.0	22.5°	58.0	62.5	65.9	70.3	78.1	84.8	92.6	99.3	116.1	131.7
0.0	25°	53.6	59.2	63.6	68.1	77.0	86.0	94.9	103.8	131.7	159.6
0.0	27.5°	51.3	55.8	61.4	65.9	77.0	89.3	100.5	111.6	156.3	199.8
0.0	30°	48.0	53.6	58.0	63.6	78.1	92.6	107.2	121.7	189.8	257.9
0.0	32.5°	44.6	50.2	55.8	61.4	80.4	99.3	117.2	136.2	225.5	313.7
0.0	35°	41.3	48.0	53.6	59.2	83.7	109.4	133.9	158.5	257.9	356.1
0.0	37.5°	40.2	46.9	52.5	58.0	84.8	110.5	137.3	163.0	261.2	359.4
0.0	40°	41.3	46.9	53.6	59.2	81.5	103.8	125.0	147.3	250.0	351.6
0.0	42.5°	41.3	48.0	54.7	61.4	79.3	97.1	115.0	132.8	246.7	360.5
0.0	45°	40.2	46.9	53.6	60.3	77.0	92.6	109.4	125.0	266.8	407.4
0.0	47.5°	39.1	45.8	52.5	59.2	75.9	92.6	109.4	126.1	344.9	562.6
0.0	50°	39.1	45.8	51.3	56.9	77.0	98.2	118.3	138.4	502.3	865.1
0.0	52.5°	41.3	46.9	51.3	55.8	79.3	103.8	127.3	150.7	638.5	1125.2
0.0	55°	44.6	48.0	52.5	55.8	84.8	112.7	141.8	169.7	679.8	1189.9
0.0	57.5°	49.1	52.5	55.8	59.2	94.9	130.6	165.2	200.9	683.1	1164.2
0.0	60°	54.7	59.2	62.5	65.9	103.8	142.9	180.8	218.8	618.4	1016.9
0.0	62.5°	67.0	72.6	77.0	82.6	119.4	155.2	192.0	227.7	513.5	799.2
0.0	65°	77.0	81.5	86.0	90.4	126.1	163.0	198.7	234.4	435.3	636.3
0.0	67.5°	79.3	83.7	87.1	91.5	128.4	165.2	200.9	237.8	372.8	506.8
	70°	80.4	86.0	92.6	98.2	136.2	174.1	211.0	248.9	330.4	411.9
	72.5°	77.0	88.2	98.2	108.3	144.0	178.6	214.3	248.9	307.0	365.0
	75°	77.0	92.6	107.2	121.7	148.5	174.1	200.9	226.6	271.2	315.9
	77.5°	81.5	101.6	121.7	141.8	157.4	171.9	187.5	202.0	231.1	260.1
	80°	81.5	102.7	122.8	144.0	150.7	158.5	165.2	171.9	175.2	178.6
	82.5°	70.3	87.1	103.8	120.6	112.7	104.9	97.1	89.3	83.7	77.0
	85°	35.7	39.1	41.3	43.5	40.2	36.8	33.5	30.1	27.9	24.6
	87.5°	14.5	14.5	13.4	13.4	13.4	13.4	12.3	12.3	12.3	12.3
	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: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
64.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
447.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
559.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
635.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
692.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
749.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
860.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1083.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1652.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2530.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3185.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3258.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2940.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2513.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1484.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1096.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
775.8											
577.1											
419.7											
315.9											
177.5											
80.4											
23.4											
11.2											
0.0											
0.0											
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REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	83.7	82.6	82.6	81.5	80.4	79.3	78.1	77.0	75.9	74.8
0.0	5°	87.1	87.1	87.1	86.0	86.0	84.8	84.8	83.7	82.6	81.5
0.0	7.5°	90.4	91.5	91.5	92.6	92.6	92.6	92.6	91.5	91.5	91.5
0.0	10°	96.0	97.1	98.2	99.3	100.5	101.6	101.6	102.7	102.7	102.7
0.0	12.5°	102.7	106.0	108.3	111.6	113.9	117.2	119.4	122.8	125.0	127.3
0.0	15°	112.7	118.3	125.0	130.6	136.2	144.0	152.9	160.7	168.6	180.8
0.0	17.5°	127.3	145.1	163.0	179.7	197.6	236.6	275.7	313.7	352.7	409.7
0.0	20°	155.2	208.7	261.2	314.8	367.2	504.5	640.7	778.0	914.2	1060.4
0.0	22.5°	217.7	349.4	481.1	612.8	744.5	1031.4	1317.2	1604.0	1889.8	2225.8
0.0	25°	315.9	558.1	800.3	1041.4	1283.7	1732.4	2182.2	2631.0	3079.7	3516.1
0.0	27.5°	459.9	830.5	1201.1	1570.5	1941.1	2549.5	3158.9	3767.3	4375.6	4869.0
0.0	30°	637.4	1139.7	1642.0	2144.3	2646.6	3338.7	4030.7	4721.7	5413.7	5952.9
0.0	32.5°	804.8	1419.9	2034.9	2648.8	3263.9	4051.9	4841.1	5629.2	6417.2	7006.6
0.0	35°	914.2	1657.6	2402.1	3145.6	3889.0	4741.8	5594.6	6446.3	7299.1	7972.2
0.0	37.5°	1023.6	1882.0	2739.2	3597.6	4454.9	5391.4	6327.9	7264.5	8201.0	9032.6
0.0	40°	1146.4	2153.2	3158.9	4165.8	5171.5	6281.1	7389.5	8499.0	9607.4	10780.6
0.0	42.5°	1359.6	2603.1	3847.7	5091.2	6334.6	7802.5	9270.3	10737.1	12204.9	13879.3
0.0	45°	1760.3	3512.8	5266.4	7018.9	8771.4	10715.9	12661.5	14605.9	16550.4	18778.4
0.0	47.5°	2741.5	5152.5	7562.5	9973.6	12383.5	14483.2	16581.7	18681.3	20779.8	22998.9
0.0	50°	4194.8	7001.0	9807.2	12612.3	15418.6	17318.4	19217.1	21116.9	23015.7	25126.5
0.0	52.5°	5246.3	8169.7	11094.3	14017.7	16941.1	18655.6	20371.3	22085.8	23800.4	25772.8
0.0	55°	5325.6	8232.2	11140.0	14046.7	16953.4	18675.7	20398.1	22120.4	23842.8	25933.5
0.0	57.5°	4715.0	7598.2	10480.3	13363.6	16245.7	18206.9	20167.0	22128.3	24088.4	26348.7
0.0	60°	4010.6	6895.0	9778.2	12662.6	15545.8	17805.1	20065.5	22324.7	24584.0	26701.5
0.0	62.5°	3128.8	6095.8	9063.8	12030.8	14997.7	17291.6	19585.5	21878.2	24172.1	25760.5
0.0	65°	2331.8	5212.8	8093.8	10973.7	13854.7	15692.0	17529.4	19365.6	21202.9	22186.3
0.0	67.5°	1685.5	4170.3	6653.9	9138.6	11622.2	12937.2	14252.1	15565.9	16880.8	17633.2
	70°	1139.7	2860.9	4581.0	6302.3	8022.4	9102.9	10184.5	11265.1	12345.6	13361.3
	72.5°	789.2	1755.8	2723.6	3690.3	4656.9	5744.1	6830.2	7917.5	9003.6	10078.5
	75°	523.5	963.3	1404.2	1844.0	2283.8	3088.6	3894.5	4699.4	5504.2	6144.9
	77.5°	371.7	503.4	636.3	768.0	899.7	1050.4	1202.2	1352.9	1503.6	1732.4
	80°	176.4	193.1	209.9	225.5	242.2	296.9	351.6	406.3	461.0	519.0
	82.5°	83.7	90.4	97.1	102.7	109.4	115.0	120.6	126.1	131.7	126.1
	85°	22.3	22.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4	22.3
	87.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.9	8.9	7.8
	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
64.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
465.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1207.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2561.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3952.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5362.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6493.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7597.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8645.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9865.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11953.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15553.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21006.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25218.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27237.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27745.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28025.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28609.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28817.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27350.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23170.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18386.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14376.0											
11153.4											
6785.6											
1961.2											
577.1											
119.4											
21.2											
7.8											
0.0											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	2.5°	72.6	71.4	70.3	69.2	68.1	65.9	65.9	64.7	64.7
0.0	5°	79.3	78.1	77.0	75.9	75.9	74.8	73.7	73.7	72.6
0.0	7.5°	90.4	89.3	88.2	87.1	87.1	86.0	86.0	84.8	84.8
0.0	10°	103.8	103.8	103.8	103.8	103.8	102.7	102.7	102.7	101.6
0.0	12.5°	130.6	131.7	133.9	136.2	139.5	139.5	139.5	138.4	138.4
0.0	15°	206.5	218.8	227.7	236.6	244.5	262.3	260.1	256.7	254.5
0.0	17.5°	522.4	578.2	608.3	637.4	667.5	750.1	736.7	723.3	711.0
0.0	20°	1354.0	1500.2	1597.3	1694.4	1792.7	1947.8	1909.9	1871.9	1834.0
0.0	22.5°	2896.6	3232.6	3378.8	3525.1	3670.2	3857.7	3736.0	3614.4	3493.8
0.0	25°	4387.9	4824.4	5071.1	5317.7	5563.3	5670.5	5512.0	5352.4	5193.8
0.0	27.5°	5855.8	6349.1	6566.8	6783.4	7001.0	7225.4	7028.9	6831.4	6634.9
0.0	30°	7032.3	7571.4	7807.0	8041.4	8276.9	8433.2	8230.0	8025.7	7822.6
0.0	32.5°	8186.5	8775.8	9033.7	9291.5	9548.3	9772.6	9522.6	9271.5	9021.4
0.0	35°	9317.2	9990.3	10345.3	10700.2	11055.2	11263.9	10967.0	10669.0	10372.1
0.0	37.5°	10696.9	11528.5	11925.9	12323.2	12720.6	13101.3	12774.2	12446.0	12119.0
0.0	40°	13126.9	14300.1	14909.6	15520.1	16129.6	16620.8	16207.7	15794.7	15381.7
0.0	42.5°	17228.0	18902.3	19778.6	20653.7	21530.0	22296.8	21862.6	21428.4	20994.2
0.0	45°	23234.4	25462.5	26530.7	27597.8	28666.1	29226.4	28601.3	27975.1	27350.0
0.0	47.5°	27436.0	29655.0	30606.1	31557.1	32508.1	33147.7	32383.1	31618.5	30855.0
0.0	50°	29347.0	31457.8	32412.1	33365.4	34319.8	34827.7	33944.7	33060.7	32177.7
0.0	52.5°	29716.4	31688.8	32827.4	33967.1	35105.6	35784.3	34741.7	33698.0	32655.5
0.0	55°	30116.0	32206.8	33527.3	34848.9	36169.4	37109.3	35930.5	34750.7	33571.9
0.0	57.5°	30868.4	33128.8	34445.9	35762.0	37079.1	37877.2	36695.1	35511.9	34329.8
0.0	60°	30935.4	33051.7	34183.6	35316.6	36448.4	36950.8	35820.0	34688.1	33557.4
0.0	62.5°	28938.4	30526.8	31312.6	32098.5	32884.3	33430.1	32250.3	31069.3	29889.4
0.0	65°	24154.2	25137.6	25763.8	26390.0	27016.3	27667.0	26586.5	25506.0	24425.5
0.0	67.5°	19139.0	19891.3	20716.2	21541.1	22366.0	23061.4	22196.3	21330.2	20465.1
	70°	15391.8	16406.4	17334.0	18261.6	19189.2	19758.5	18890.1	18020.5	17152.1
	72.5°	12228.4	13303.3	14078.0	14851.5	15626.2	15765.7	15127.2	14488.7	13851.4
	75°	7425.2	8065.9	8081.5	8096.1	8111.7	8244.5	7715.4	7186.3	6658.3
	77.5°	2190.1	2418.9	2607.5	2795.1	2983.7	3211.4	3017.2	2821.8	2627.6
	80°	634.0	692.1	741.2	789.2	838.3	809.3	763.5	717.7	672.0
	82.5°	113.9	107.2	106.0	104.9	104.9	99.3	90.4	81.5	72.6
	85°	20.1	19.0	17.9	16.7	15.6	14.5	12.3	11.2	8.9
	87.5°	6.7	5.6	4.5	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: P1049150

CATALOG NUMBER: GALN-SA4B-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°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
0.0	0.0	2.5°	63.6	62.5	62.5	62.5	62.5	61.4	61.4	61.4	61.4
0.0	0.0	5°	70.3	70.3	69.2	69.2	68.1	68.1	67.0	67.0	65.9
0.0	0.0	7.5°	82.6	81.5	80.4	79.3	78.1	75.9	74.8	73.7	73.7
0.0	0.0	10°	99.3	97.1	96.0	93.8	92.6	90.4	88.2	86.0	83.7
0.0	0.0	12.5°	130.6	126.1	122.8	118.3	113.9	110.5	106.0	102.7	98.2
0.0	0.0	15°	226.6	215.4	203.2	188.6	173.0	158.5	142.9	133.9	123.9
0.0	0.0	17.5°	579.3	521.3	462.1	414.1	366.1	319.2	271.2	236.6	202.0
0.0	0.0	20°	1474.5	1313.8	1153.1	994.6	834.9	676.4	516.8	436.4	356.1
0.0	0.0	22.5°	2775.0	2476.9	2177.8	1888.7	1598.4	1309.3	1020.2	838.3	657.5
0.0	0.0	25°	4283.0	3907.9	3532.9	3057.4	2580.7	2105.2	1629.7	1333.9	1038.1
0.0	0.0	27.5°	5573.4	5141.4	4709.4	4131.2	3553.0	2974.8	2396.6	1955.6	1515.8
0.0	0.0	30°	6690.7	6226.4	5762.0	5088.9	4415.8	3742.7	3069.6	2518.2	1966.8
0.0	0.0	32.5°	7659.6	7103.7	6547.8	5853.5	5159.2	4464.9	3770.6	3094.2	2417.8
0.0	0.0	35°	8777.0	8128.4	7478.8	6708.6	5937.3	5167.1	4396.9	3633.3	2868.7
0.0	0.0	37.5°	10196.8	9400.9	8603.9	7745.6	6887.2	6029.9	5171.5	4298.6	3425.7
0.0	0.0	40°	12914.8	11887.9	10861.0	9770.4	8678.7	7588.2	6497.6	5426.0	4354.4
0.0	0.0	42.5°	17785.0	16397.5	15010.0	13558.9	12106.7	10655.6	9203.4	7692.0	6179.5
0.0	0.0	45°	23281.3	21560.1	19837.7	18209.2	16579.5	14950.9	13322.3	11248.3	9174.3
0.0	0.0	47.5°	26372.2	24513.7	22655.1	21113.6	19572.1	18030.6	16489.0	14253.2	12017.4
0.0	0.0	50°	27509.6	25617.6	23725.6	22306.9	20887.0	19468.3	18048.4	15809.2	13569.0
0.0	0.0	52.5°	27751.9	25821.9	23891.9	22464.2	21036.6	19610.0	18182.4	15957.7	13733.0
0.0	0.0	55°	28249.7	26179.1	24107.3	22479.9	20852.4	19224.9	17597.5	15337.1	13076.7
0.0	0.0	57.5°	28900.5	26777.4	24654.3	22800.2	20946.2	19093.2	17239.1	14767.8	12296.5
0.0	0.0	60°	28729.7	26882.3	25033.8	23048.0	21061.1	19075.4	17088.5	14370.4	11651.3
0.0	0.0	62.5°	25765.0	24293.8	22821.4	21188.4	19554.2	17921.2	16288.1	13489.7	10691.3
0.0	0.0	65°	21196.2	20122.4	19048.6	17734.8	16419.8	15106.0	13792.2	11282.9	8774.7
0.0	0.0	67.5°	17178.9	15968.9	14757.8	13710.7	12662.6	11615.6	10567.4	8592.8	6618.2
		70°	13648.2	12332.2	11015.0	9992.5	8969.0	7946.5	6924.0	5611.3	4299.7
		72.5°	10838.6	9652.1	8465.5	7375.0	6283.3	5192.7	4101.1	3325.3	2549.5
		75°	5180.5	4706.1	4231.7	3661.3	3090.9	2520.5	1950.1	1611.8	1274.7
		77.5°	1919.9	1664.3	1407.6	1175.4	943.2	712.2	480.0	439.8	399.6
		80°	496.7	433.1	368.4	322.6	275.7	229.9	184.2	166.3	149.6
		82.5°	56.9	52.5	49.1	46.9	43.5	41.3	38.0	34.6	31.3
		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



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CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049150

CATALOG NUMBER: GALN-SA4B-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	64.7	64.7
0.0	0.0	2.5°	60.3	59.2
0.0	0.0	5°	63.6	62.5
0.0	0.0	7.5°	70.3	68.1
0.0	0.0	10°	77.0	74.8
0.0	0.0	12.5°	87.1	83.7
0.0	0.0	15°	98.2	91.5
0.0	0.0	17.5°	117.2	102.7
0.0	0.0	20°	158.5	121.7
0.0	0.0	22.5°	223.2	151.8
0.0	0.0	25°	328.2	209.9
0.0	0.0	27.5°	456.5	279.1
0.0	0.0	30°	607.2	349.4
0.0	0.0	32.5°	740.1	416.4
0.0	0.0	35°	913.1	484.4
0.0	0.0	37.5°	1126.3	571.5
0.0	0.0	40°	1456.7	703.2
0.0	0.0	42.5°	2051.6	946.6
0.0	0.0	45°	3332.0	1636.4
0.0	0.0	47.5°	5126.9	2706.9
0.0	0.0	50°	6272.1	3454.7
0.0	0.0	52.5°	6365.9	3449.2
0.0	0.0	55°	5811.1	3066.3
0.0	0.0	57.5°	4958.3	2562.9
0.0	0.0	60°	4121.1	2027.1
0.0	0.0	62.5°	3247.1	1399.8
0.0	0.0	65°	2373.1	990.1
0.0	0.0	67.5°	1704.5	740.1
		70°	1120.7	567.0
		72.5°	730.0	462.1
		75°	491.1	382.9
		77.5°	286.9	254.5
		80°	101.6	89.3
		82.5°	19.0	13.4
		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: P1049150

CATALOG NUMBER: GALN-SA4B-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

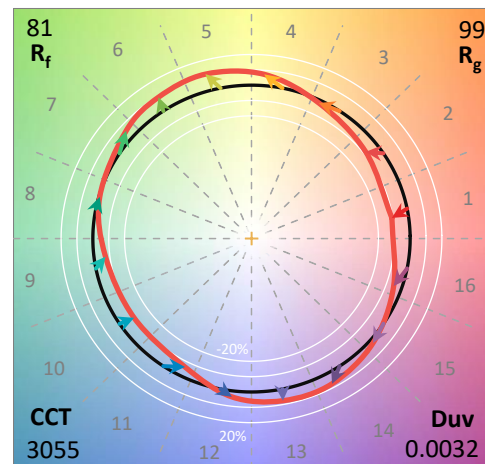
Test Information

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

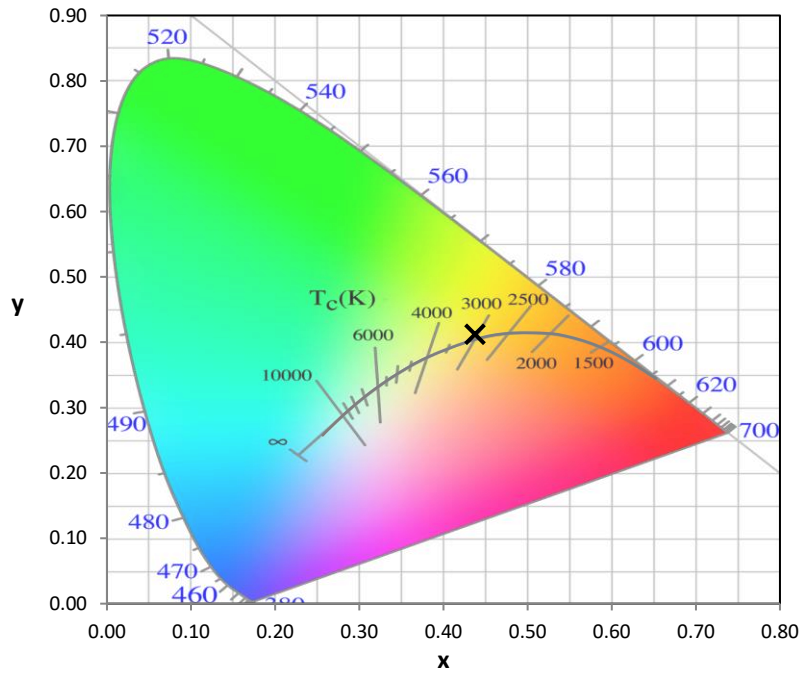
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

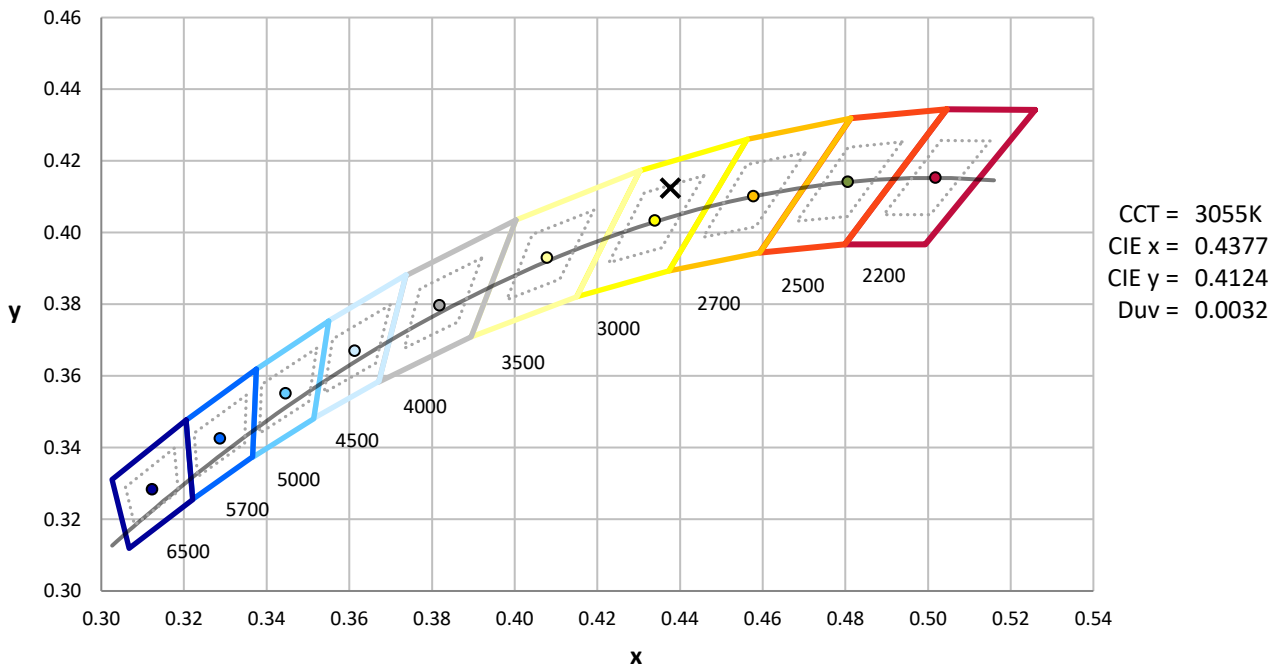
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



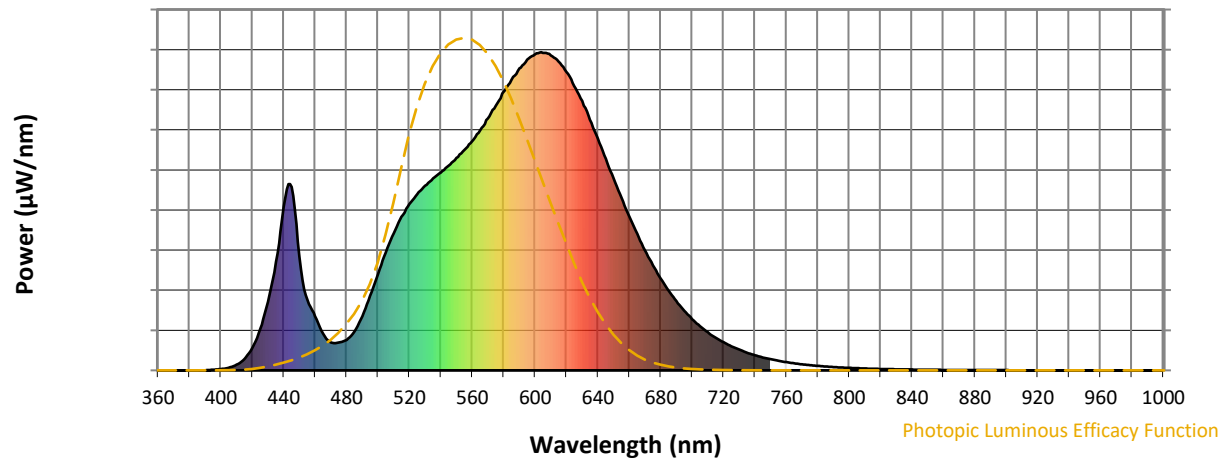
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

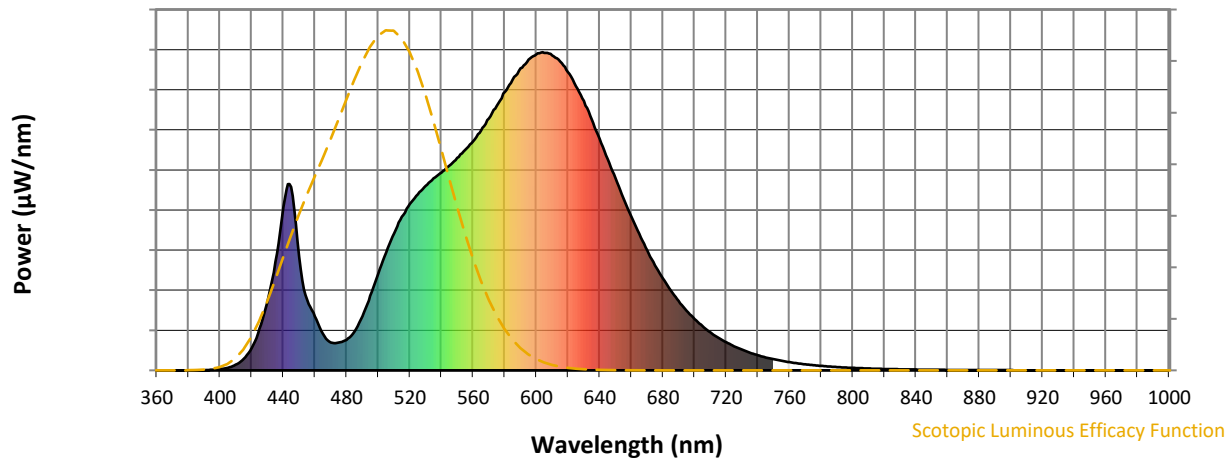


Photopic Lumens: NR

λ (nm)	Power W ^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			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



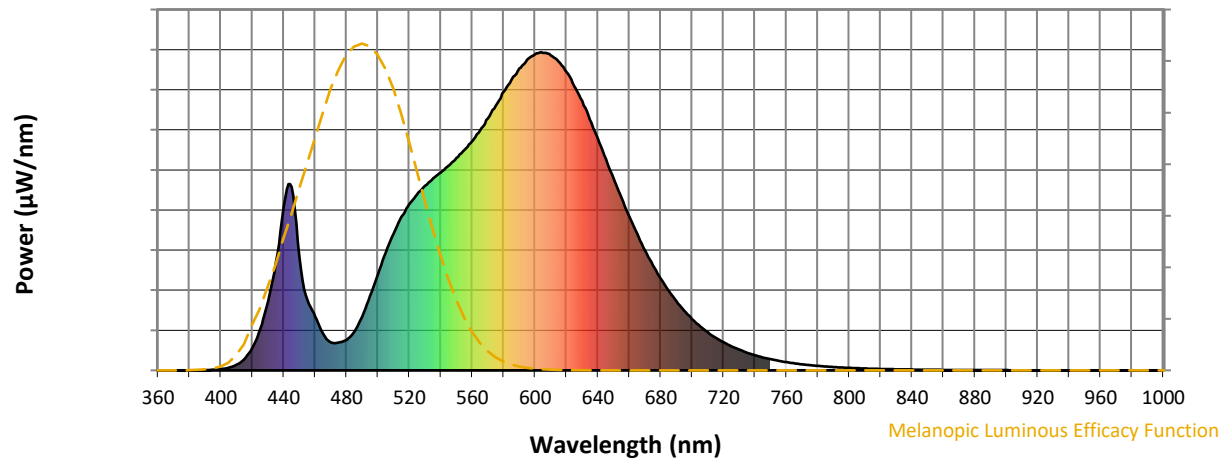
Scotopic Lumens: NR

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

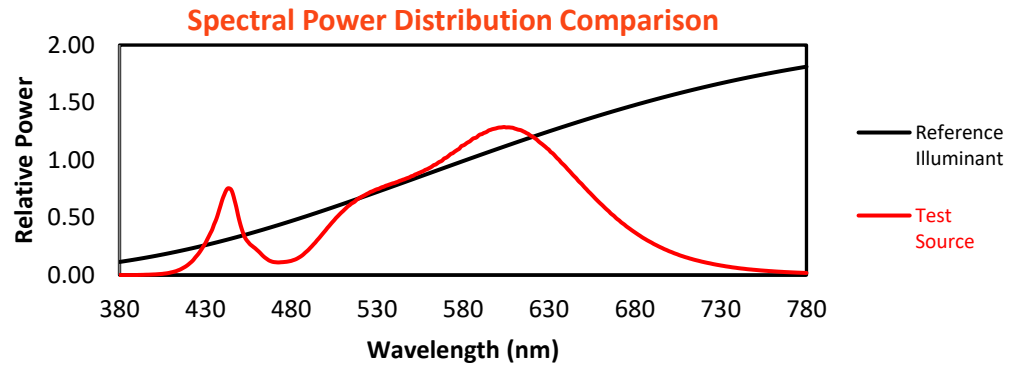
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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

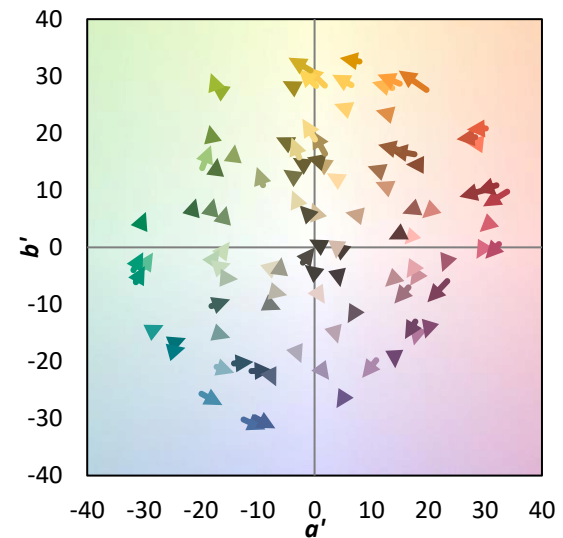
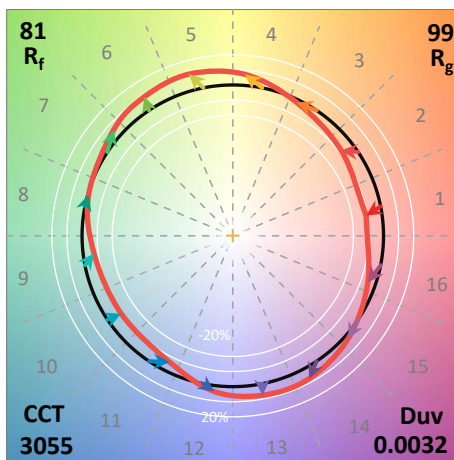
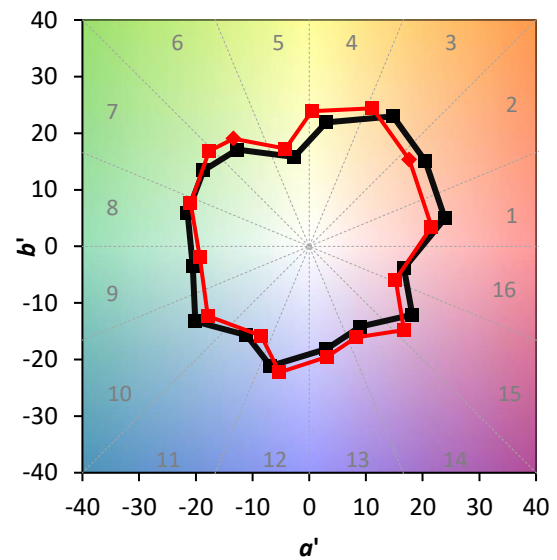
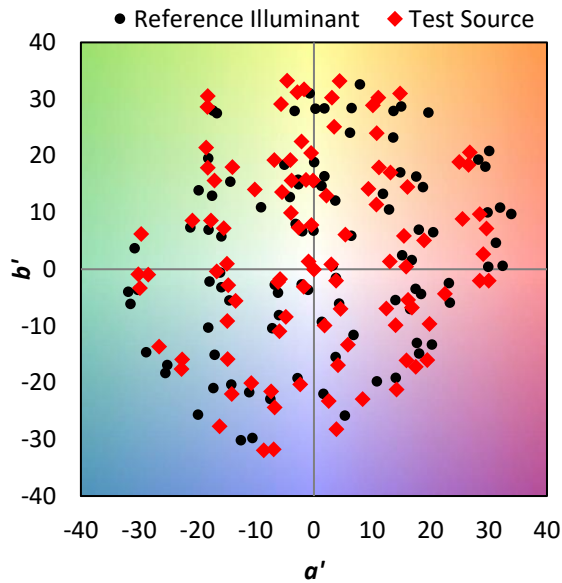
TM-30-18

Summary

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

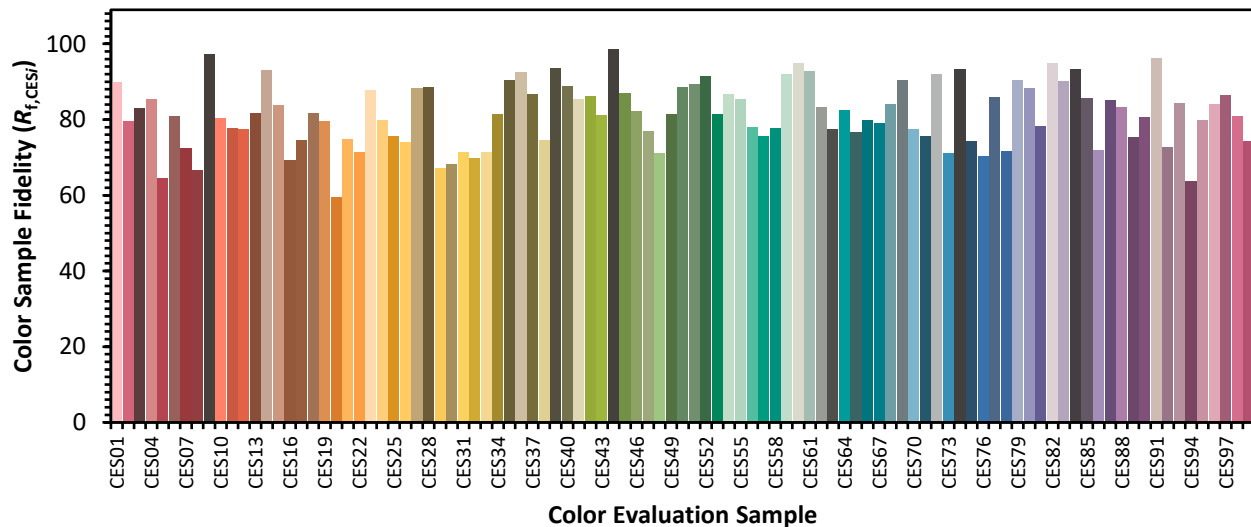


Color Vector Graphics

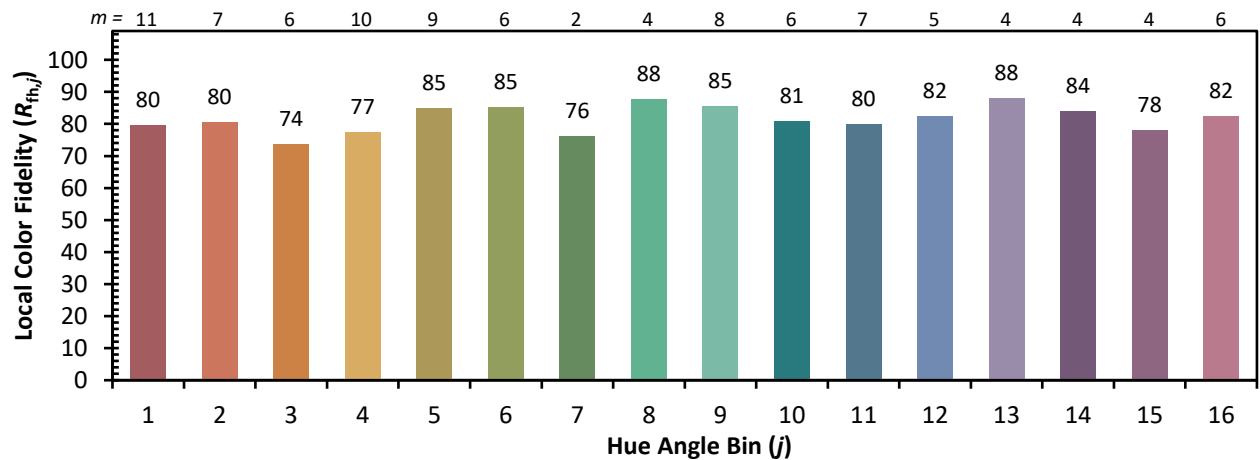
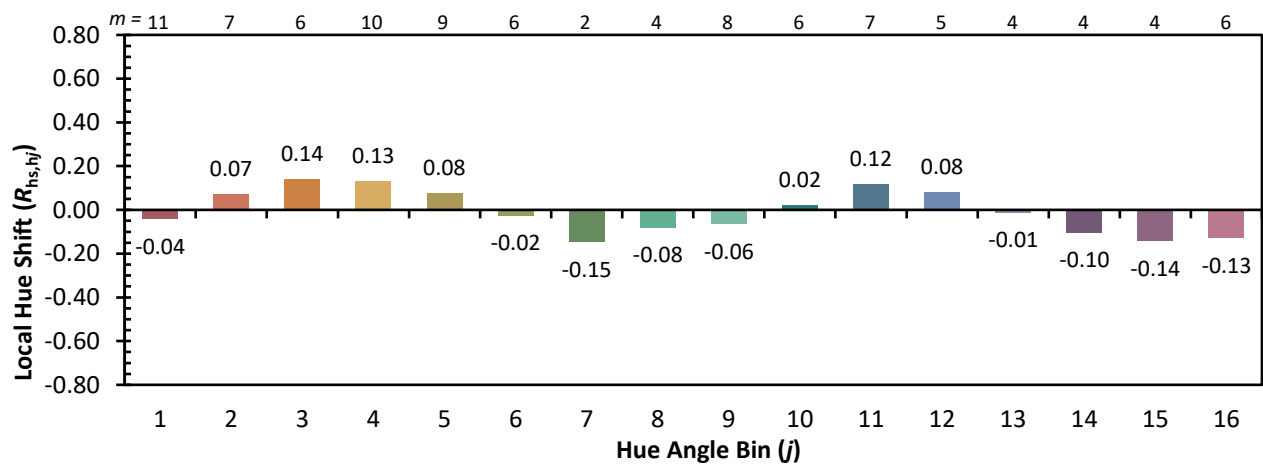
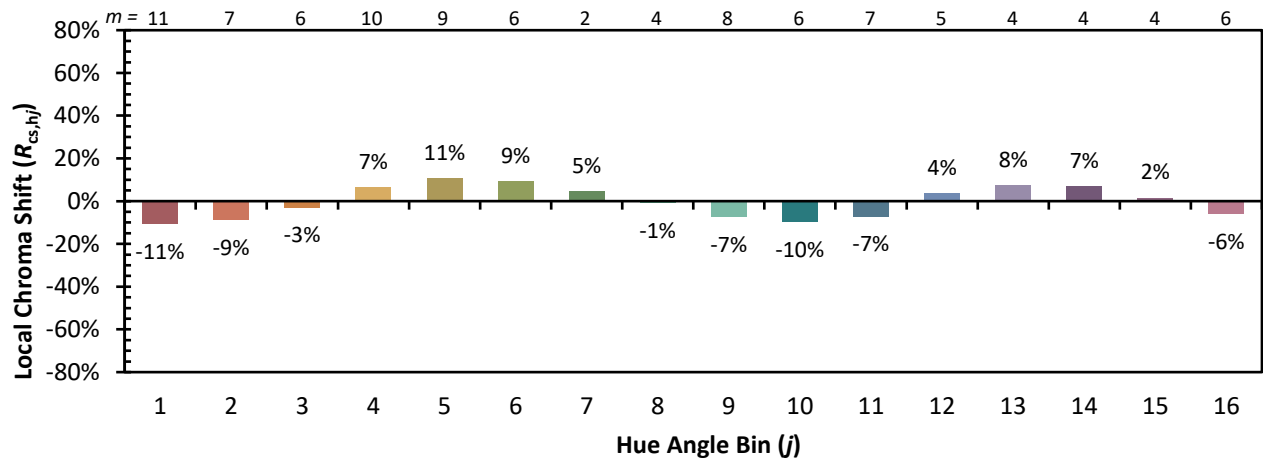


Individual Sample Fidelity Index ($R_{f,i}$)

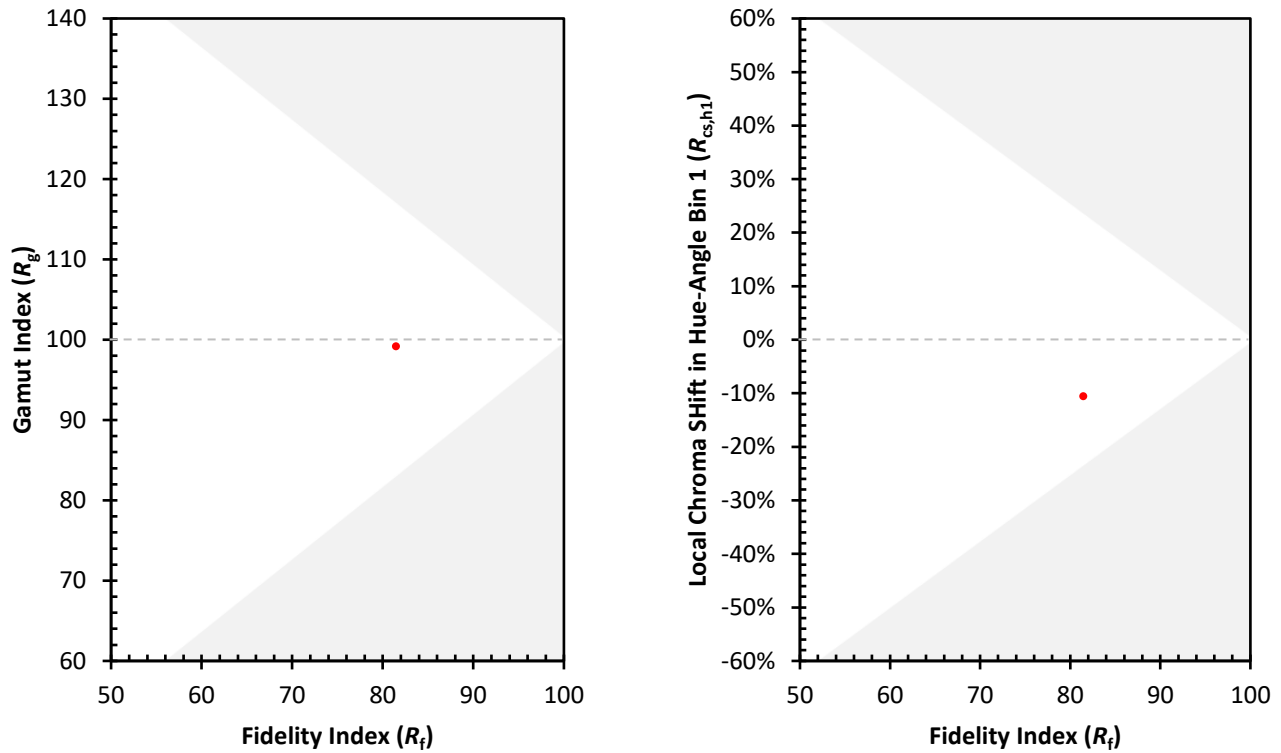
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)