

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: P1049221

Luminaire Tested: **GALN-SA4A-840-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049221
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-840-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12112.5 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

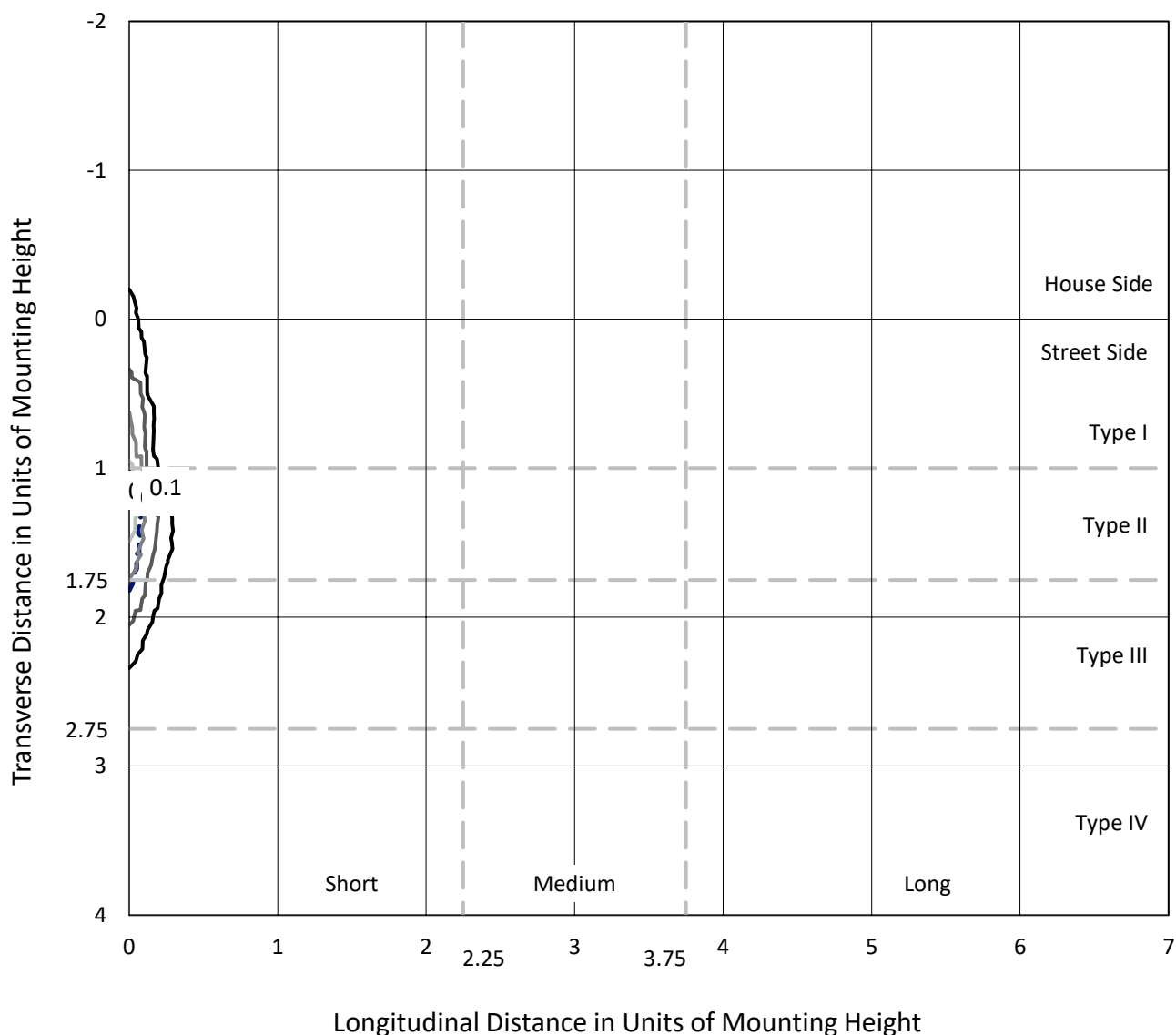
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

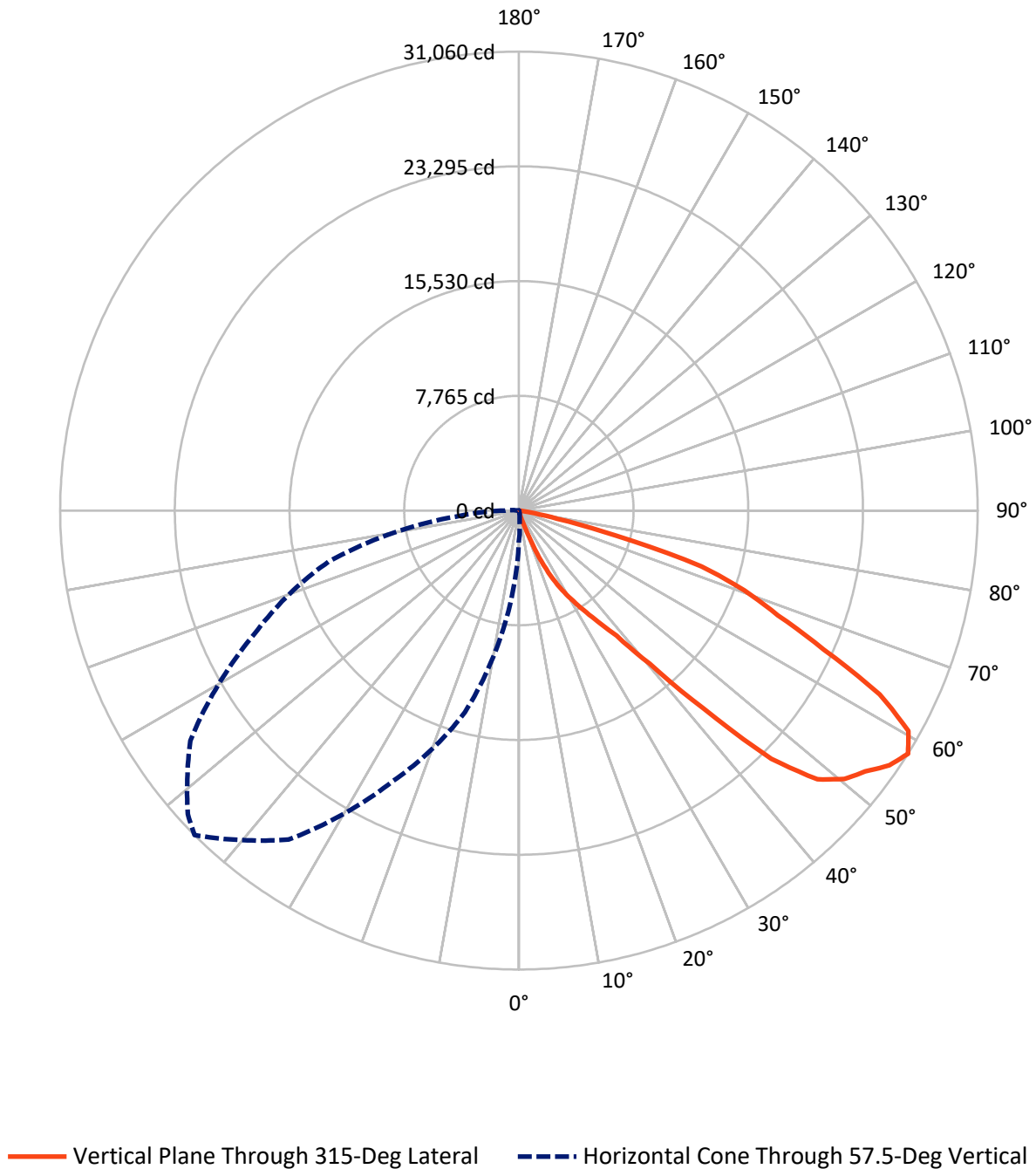


Based on 20 foot mounting height. Maximum calculated value = 1.8 fc

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	60.7	0.0	60.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	12051.9	0.0	12051.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	12112.5	0.0	12112.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.0
10°-20°	26.6	0.2
20°-30°	287.1	2.4
30°-40°	848.9	7.0
40°-50°	2529.8	20.9
50°-60°	4011.4	33.1
60°-70°	3348.5	27.6
70°-80°	1032.6	8.5
80°-90°	23.0	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°	12112.5	100.0
0°-180°	12112.5	100.0



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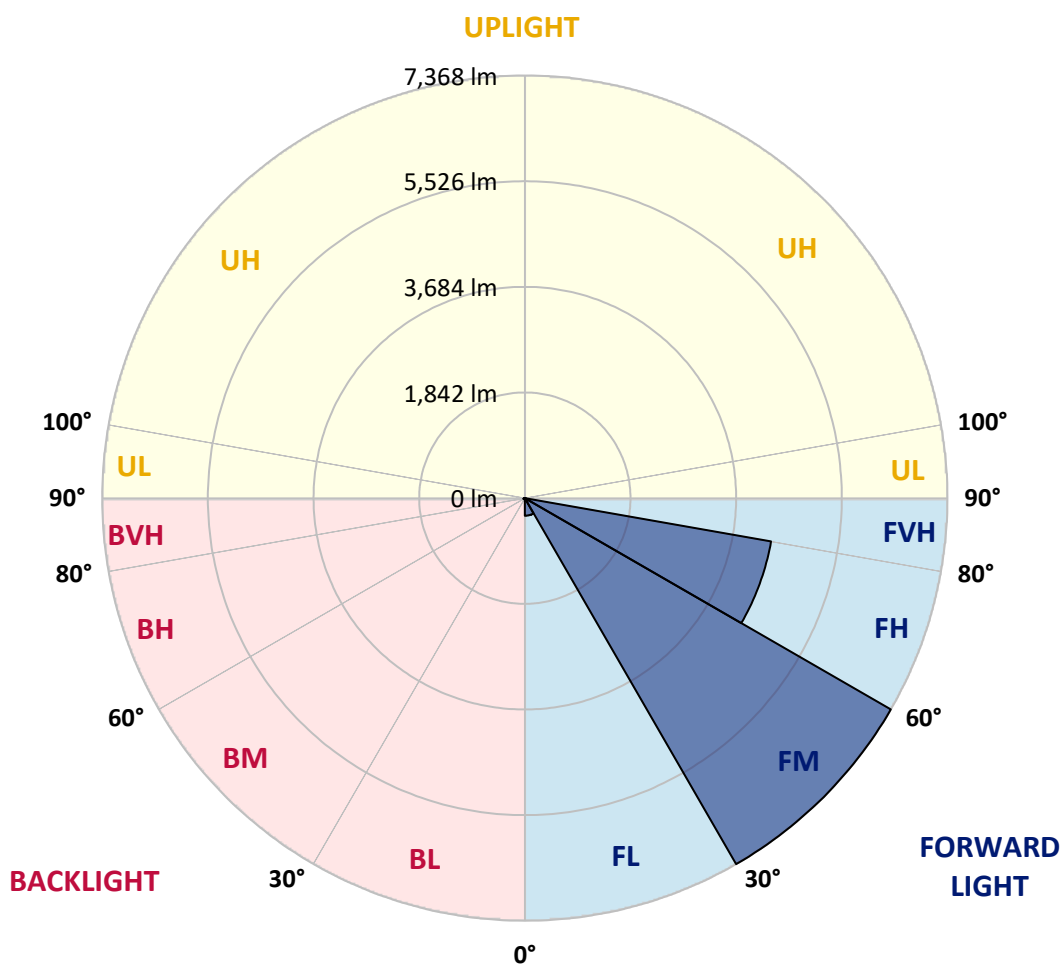
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.3	2.5			
FM	(30°-60°)	7368.4	60.8			
FH	(60°-80°)	4358.5	36.0			G2/5000
FVH	(80°-90°)	17.8	0.1			G1/100
BL	(0°-30°)	11.1	0.1	B0/110		
BM	(30°-60°)	21.7	0.2	B0/220		
BH	(60°-80°)	22.6	0.2	B0/110		G0/110
BVH	(80°-90°)	5.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	48.5	48.5	48.5	48.5	47.6	47.6	46.7	46.7	45.8	45.8
5°	51.3	51.3	50.3	49.4	49.4	48.5	47.6	46.7	46.7	45.8
7.5°	55.8	54.9	54.0	53.1	51.3	50.3	48.5	47.6	46.7	44.9
10°	61.3	59.5	57.7	55.8	54.0	52.2	50.3	49.4	47.6	46.7
12.5°	68.7	65.9	62.2	59.5	57.7	54.9	53.1	51.3	48.5	46.7
15°	75.1	71.4	66.8	63.2	60.4	56.8	54.0	51.3	49.4	46.7
17.5°	84.2	77.8	70.5	65.9	62.2	57.7	53.1	50.3	47.6	43.9
20°	99.8	87.0	73.2	67.7	62.2	56.8	51.3	47.6	44.9	41.2
22.5°	124.5	102.5	80.5	72.3	65.0	56.8	49.4	45.8	42.1	38.4
25°	172.1	132.7	93.4	82.4	71.4	60.4	49.4	44.9	41.2	36.6
27.5°	228.8	170.3	110.8	95.2	80.5	65.0	49.4	43.9	39.4	33.9
30°	286.5	208.7	130.0	109.8	89.7	69.6	49.4	43.0	37.5	31.1
32.5°	341.4	244.4	146.5	122.7	98.9	74.1	50.3	43.0	35.7	28.4
35°	397.3	273.7	149.2	124.5	99.8	74.1	49.4	41.2	33.9	25.6
37.5°	468.7	306.6	143.7	119.0	95.2	70.5	46.7	39.4	32.0	23.8
40°	576.7	361.6	146.5	120.8	95.2	69.6	43.9	36.6	30.2	22.9
42.5°	776.2	467.7	158.4	129.1	99.8	69.6	40.3	33.9	28.4	22.0
45°	1341.9	777.1	212.4	168.4	124.5	80.5	36.6	31.1	26.5	21.1
47.5°	2219.7	1300.7	381.7	294.7	208.7	121.7	35.7	31.1	26.5	21.1
50°	2833.0	1656.8	480.6	369.8	259.0	148.3	37.5	32.0	27.5	22.0
52.5°	2828.4	1682.4	535.5	411.0	287.4	162.9	39.4	33.9	29.3	23.8
55°	2514.4	1530.4	545.5	419.2	293.8	167.5	42.1	36.6	31.1	25.6
57.5°	2101.6	1299.8	497.9	385.4	273.7	161.1	48.5	42.1	36.6	30.2
60°	1662.2	1025.2	388.1	306.6	226.1	144.6	64.1	55.8	48.5	40.3
62.5°	1147.8	743.3	338.7	271.9	206.0	139.1	73.2	65.0	57.7	49.4
65°	811.9	559.3	305.7	249.0	193.1	136.4	79.6	70.5	62.2	53.1
67.5°	606.9	444.9	281.9	233.4	184.9	136.4	87.9	76.9	66.8	55.8
70°	465.0	365.2	264.5	225.2	186.7	147.4	108.0	92.4	77.8	62.2
72.5°	378.9	312.1	244.4	216.0	187.6	159.3	130.9	110.8	90.6	69.6
75°	314.0	267.3	220.6	196.8	173.9	150.1	126.3	108.0	90.6	72.3
77.5°	208.7	190.4	171.2	157.4	143.7	129.1	115.3	99.8	85.1	69.6
80°	73.2	70.5	67.7	73.2	78.7	84.2	89.7	78.7	68.7	57.7
82.5°	11.0	10.1	9.2	10.1	11.0	11.9	12.8	13.7	14.6	15.6
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-SA4A-840-U-RBC

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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	44.9	44.9	43.9	43.9	43.9	43.0	43.0	42.1	42.1	42.1
0.0	5°	43.9	43.9	43.0	42.1	41.2	41.2	40.3	39.4	39.4	38.4
0.0	7.5°	43.0	42.1	41.2	40.3	39.4	38.4	37.5	36.6	36.6	35.7
0.0	10°	43.9	42.1	41.2	39.4	38.4	37.5	35.7	34.8	33.9	33.9
0.0	12.5°	42.1	41.2	39.4	37.5	36.6	34.8	33.9	32.0	31.1	31.1
0.0	15°	42.1	40.3	37.5	35.7	33.9	33.0	31.1	29.3	28.4	27.5
0.0	17.5°	39.4	37.5	34.8	33.0	31.1	29.3	27.5	25.6	24.7	23.8
0.0	20°	35.7	33.9	31.1	28.4	26.5	24.7	22.9	21.1	20.1	19.2
0.0	22.5°	32.0	30.2	27.5	24.7	22.9	21.1	18.3	16.5	15.6	13.7
0.0	25°	30.2	27.5	24.7	22.0	19.2	17.4	14.6	11.9	10.1	8.2
0.0	27.5°	25.6	22.9	20.1	17.4	14.6	11.9	9.2	6.4	4.6	3.7
0.0	30°	22.0	19.2	16.5	13.7	10.1	7.3	4.6	0.9	0.9	0.9
0.0	32.5°	18.3	15.6	11.9	9.2	7.3	4.6	2.7	0.0	0.0	0.0
0.0	35°	14.6	11.9	8.2	5.5	4.6	2.7	1.8	0.0	0.0	0.0
0.0	37.5°	12.8	10.1	6.4	2.7	1.8	1.8	0.9	0.0	0.0	0.0
0.0	40°	11.9	8.2	4.6	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	11.9	8.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	11.9	8.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	11.9	8.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.8	9.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	14.6	11.0	7.3	3.7	2.7	1.8	0.9	0.0	0.0	0.0
0.0	55°	18.3	16.5	13.7	11.9	9.2	6.4	2.7	0.0	0.0	0.0
0.0	57.5°	23.8	23.8	22.9	22.0	16.5	11.0	5.5	0.0	0.0	0.0
0.0	60°	32.0	32.0	32.0	32.0	23.8	16.5	8.2	0.0	0.0	0.0
0.0	62.5°	39.4	37.5	34.8	33.0	24.7	16.5	8.2	0.0	0.0	0.0
0.0	65°	39.4	35.7	31.1	26.5	20.1	13.7	6.4	0.0	0.0	0.0
0.0	67.5°	36.6	29.3	21.1	13.7	10.1	7.3	3.7	0.0	0.0	0.0
	70°	36.6	25.6	14.6	3.7	2.7	1.8	0.9	0.0	0.0	0.0
	72.5°	36.6	24.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	40.3	27.5	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	40.3	27.5	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	35.7	23.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	11.9	8.2	3.7	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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	41.2	41.2	41.2	40.3	40.3	40.3	40.3	39.4	39.4	39.4
0.0	5°	37.5	37.5	36.6	36.6	35.7	35.7	34.8	34.8	33.9	33.9
0.0	7.5°	34.8	33.9	33.9	33.0	32.0	32.0	31.1	31.1	30.2	29.3
0.0	10°	32.0	31.1	31.1	30.2	29.3	28.4	28.4	27.5	26.5	25.6
0.0	12.5°	29.3	28.4	27.5	26.5	25.6	24.7	24.7	23.8	22.9	22.0
0.0	15°	25.6	24.7	23.8	22.9	22.0	21.1	21.1	20.1	19.2	18.3
0.0	17.5°	22.0	21.1	21.1	20.1	19.2	18.3	17.4	15.6	14.6	13.7
0.0	20°	16.5	15.6	14.6	13.7	12.8	11.0	10.1	8.2	6.4	5.5
0.0	22.5°	11.0	9.2	8.2	6.4	4.6	3.7	2.7	0.9	0.0	0.0
0.0	25°	3.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4A-840-U-RBC

[illegible]



REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	38.4	38.4	38.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
0.0	5°	33.0	33.0	33.0	32.0	32.0	31.1	31.1	31.1	30.2	30.2
0.0	7.5°	28.4	27.5	27.5	26.5	26.5	25.6	25.6	25.6	24.7	24.7
0.0	10°	23.8	22.9	22.9	22.0	22.0	21.1	21.1	20.1	20.1	19.2
0.0	12.5°	21.1	20.1	19.2	18.3	18.3	17.4	16.5	16.5	15.6	14.6
0.0	15°	16.5	15.6	14.6	13.7	12.8	11.9	11.0	11.0	10.1	9.2
0.0	17.5°	11.0	9.2	8.2	7.3	7.3	6.4	5.5	4.6	3.7	2.7
0.0	20°	2.7	1.8	0.9	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-SA4A-840-U-RBC

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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	37.5	36.6	36.6	36.6	37.5	37.5	37.5	37.5	37.5	37.5
0.0	5°	30.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
0.0	7.5°	24.7	23.8	23.8	23.8	23.8	22.9	22.9	22.9	22.9	22.9
0.0	10°	19.2	18.3	18.3	18.3	18.3	17.4	17.4	17.4	17.4	17.4
0.0	12.5°	13.7	13.7	12.8	12.8	12.8	11.9	11.9	11.9	11.9	11.0
0.0	15°	8.2	7.3	6.4	6.4	6.4	5.5	5.5	5.5	5.5	4.6
0.0	17.5°	1.8	1.8	0.9	0.9	0.9	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



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CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	38.4	38.4	39.4	39.4	40.3	42.1	43.0	43.9	45.8	47.6
0.0	5°	30.2	31.1	31.1	32.0	33.0	33.9	34.8	35.7	37.5	39.4
0.0	7.5°	23.8	23.8	24.7	24.7	25.6	27.5	28.4	29.3	31.1	33.9
0.0	10°	18.3	18.3	19.2	19.2	20.1	22.0	22.9	23.8	25.6	28.4
0.0	12.5°	11.9	12.8	12.8	13.7	14.6	16.5	17.4	18.3	20.1	22.0
0.0	15°	5.5	6.4	6.4	7.3	8.2	10.1	11.0	11.9	13.7	16.5
0.0	17.5°	0.9	0.9	1.8	1.8	2.7	3.7	4.6	5.5	8.2	10.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	50.3	52.2	54.0	55.8	57.7	59.5	60.4	62.2	63.2	64.1
0.0	5°	43.0	44.9	47.6	49.4	51.3	53.1	54.9	55.8	56.8	57.7
0.0	7.5°	37.5	39.4	42.1	43.9	45.8	47.6	49.4	51.3	52.2	53.1
0.0	10°	32.0	34.8	36.6	39.4	41.2	43.0	44.9	46.7	48.5	49.4
0.0	12.5°	25.6	28.4	31.1	33.0	35.7	38.4	40.3	42.1	43.9	45.8
0.0	15°	20.1	22.9	25.6	27.5	30.2	33.0	35.7	37.5	39.4	41.2
0.0	17.5°	14.6	17.4	20.1	22.0	24.7	27.5	29.3	32.0	33.9	35.7
0.0	20°	7.3	10.1	12.8	15.6	18.3	21.1	22.9	25.6	27.5	29.3
0.0	22.5°	0.9	3.7	6.4	8.2	11.0	13.7	15.6	18.3	20.1	22.0
0.0	25°	0.0	0.9	2.7	3.7	4.6	6.4	8.2	10.1	11.9	13.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.7	5.5	7.3
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
	85°	0.0	0.0	0.0	0.0	0.0	1.8	2.7	4.6	5.5	6.4
	87.5°	0.0	0.9	1.8	2.7	3.7	5.5	7.3	9.2	10.1	11.0
	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: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
53.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
0.9											
3.7											
8.2											
11.9											
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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	65.0	65.0	65.0	65.0	64.1	64.1	64.1	63.2	63.2	62.2
0.0	5°	59.5	60.4	60.4	60.4	60.4	60.4	60.4	60.4	59.5	59.5
0.0	7.5°	54.9	55.8	56.8	56.8	57.7	57.7	57.7	56.8	56.8	55.8
0.0	10°	52.2	53.1	53.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0
0.0	12.5°	48.5	49.4	50.3	50.3	51.3	51.3	51.3	51.3	50.3	50.3
0.0	15°	43.9	45.8	46.7	47.6	47.6	48.5	48.5	48.5	48.5	48.5
0.0	17.5°	40.3	42.1	43.0	43.9	43.9	44.9	44.9	45.8	45.8	45.8
0.0	20°	33.0	34.8	35.7	37.5	38.4	39.4	40.3	41.2	41.2	42.1
0.0	22.5°	25.6	27.5	28.4	30.2	31.1	32.0	33.0	33.9	34.8	35.7
0.0	25°	18.3	20.1	21.1	22.9	23.8	24.7	25.6	26.5	26.5	27.5
0.0	27.5°	10.1	11.9	13.7	14.6	16.5	17.4	18.3	19.2	20.1	21.1
0.0	30°	4.6	5.5	6.4	8.2	9.2	10.1	11.0	12.8	13.7	14.6
0.0	32.5°	0.0	0.0	0.9	2.7	3.7	4.6	5.5	6.4	6.4	7.3
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	3.7
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°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	82.5°	4.6	5.5	6.4	6.4	7.3	7.3	7.3	7.3	6.4	6.4
	85°	9.2	10.1	11.0	11.0	11.9	11.9	11.9	11.9	11.9	11.9
	87.5°	12.8	13.7	14.6	14.6	15.6	15.6	15.6	15.6	15.6	15.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
53.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	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											
2.7											
6.4											
11.9											
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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	61.3	61.3	60.4	60.4	60.4	60.4	60.4	61.3	62.2	62.2
0.0	5°	58.6	58.6	57.7	57.7	57.7	58.6	58.6	59.5	60.4	61.3
0.0	7.5°	55.8	54.9	54.9	55.8	55.8	56.8	56.8	57.7	58.6	59.5
0.0	10°	54.0	53.1	53.1	53.1	54.0	54.0	54.9	55.8	56.8	57.7
0.0	12.5°	50.3	50.3	50.3	50.3	51.3	51.3	52.2	53.1	54.9	55.8
0.0	15°	48.5	47.6	47.6	47.6	47.6	48.5	48.5	50.3	52.2	53.1
0.0	17.5°	44.9	44.9	43.9	43.9	44.9	44.9	45.8	47.6	49.4	50.3
0.0	20°	41.2	40.3	39.4	39.4	40.3	40.3	41.2	43.0	44.9	45.8
0.0	22.5°	35.7	34.8	34.8	34.8	34.8	35.7	35.7	37.5	40.3	42.1
0.0	25°	28.4	29.3	29.3	30.2	30.2	31.1	32.0	33.9	36.6	38.4
0.0	27.5°	22.0	22.9	22.9	24.7	25.6	26.5	27.5	30.2	33.0	34.8
0.0	30°	16.5	17.4	18.3	19.2	21.1	22.9	24.7	27.5	30.2	32.0
0.0	32.5°	10.1	11.9	12.8	14.6	16.5	18.3	20.1	22.9	26.5	29.3
0.0	35°	7.3	8.2	10.1	11.0	12.8	14.6	16.5	20.1	22.9	26.5
0.0	37.5°	3.7	5.5	7.3	9.2	11.0	12.8	14.6	18.3	22.0	24.7
0.0	40°	2.7	4.6	5.5	7.3	10.1	11.9	13.7	17.4	21.1	24.7
0.0	42.5°	1.8	2.7	3.7	6.4	8.2	11.0	13.7	17.4	21.1	24.7
0.0	45°	1.8	1.8	2.7	5.5	8.2	11.9	14.6	18.3	21.1	24.7
0.0	47.5°	1.8	2.7	3.7	7.3	9.2	11.9	14.6	17.4	21.1	23.8
0.0	50°	2.7	3.7	4.6	8.2	10.1	12.8	14.6	18.3	21.1	24.7
0.0	52.5°	1.8	2.7	3.7	7.3	10.1	13.7	16.5	20.1	23.8	26.5
0.0	55°	0.9	0.9	0.9	5.5	11.0	15.6	21.1	23.8	27.5	30.2
0.0	57.5°	0.0	0.0	0.0	3.7	11.0	17.4	23.8	27.5	31.1	33.9
0.0	60°	0.0	0.0	0.0	3.7	11.0	17.4	23.8	28.4	33.0	37.5
0.0	62.5°	0.0	0.0	0.0	3.7	9.2	14.6	20.1	27.5	35.7	43.0
0.0	65°	0.0	0.0	0.0	2.7	7.3	11.9	16.5	27.5	38.4	48.5
0.0	67.5°	0.0	0.0	0.0	2.7	7.3	11.0	15.6	27.5	38.4	50.3
	70°	0.0	0.0	0.0	2.7	7.3	11.9	16.5	27.5	38.4	49.4
	72.5°	0.0	0.0	0.0	2.7	8.2	12.8	18.3	27.5	36.6	45.8
	75°	0.0	0.0	0.0	3.7	8.2	13.7	19.2	27.5	35.7	43.0
	77.5°	0.0	0.0	0.0	2.7	8.2	12.8	18.3	26.5	34.8	42.1
	80°	2.7	1.8	1.8	4.6	8.2	11.9	15.6	23.8	33.0	41.2
	82.5°	5.5	5.5	4.6	6.4	8.2	11.0	13.7	21.1	29.3	36.6
	85°	11.0	11.0	10.1	11.0	11.0	11.9	12.8	16.5	20.1	23.8
	87.5°	14.6	14.6	13.7	13.7	13.7	12.8	12.8	12.8	12.8	11.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
53.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.4											
54.9											
51.3											
50.3											
49.4											
43.9											
27.5											
11.9											
0.0											
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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	64.1	65.0	65.0	65.9	66.8	67.7	67.7	68.7	68.7	68.7
0.0	5°	63.2	65.0	65.9	66.8	67.7	68.7	69.6	70.5	71.4	71.4
0.0	7.5°	62.2	63.2	65.0	65.9	67.7	68.7	70.5	71.4	72.3	73.2
0.0	10°	60.4	62.2	64.1	65.9	67.7	69.6	71.4	73.2	75.1	76.0
0.0	12.5°	58.6	61.3	63.2	65.0	67.7	70.5	72.3	75.1	76.9	78.7
0.0	15°	57.7	59.5	62.2	64.1	67.7	71.4	74.1	77.8	81.5	84.2
0.0	17.5°	54.9	58.6	61.3	64.1	67.7	72.3	76.0	79.6	85.1	90.6
0.0	20°	51.3	54.0	57.7	60.4	65.9	70.5	76.0	80.5	88.8	97.0
0.0	22.5°	47.6	51.3	54.0	57.7	64.1	69.6	76.0	81.5	95.2	108.0
0.0	25°	43.9	48.5	52.2	55.8	63.2	70.5	77.8	85.1	108.0	130.9
0.0	27.5°	42.1	45.8	50.3	54.0	63.2	73.2	82.4	91.5	128.1	163.8
0.0	30°	39.4	43.9	47.6	52.2	64.1	76.0	87.9	99.8	155.6	211.4
0.0	32.5°	36.6	41.2	45.8	50.3	65.9	81.5	96.1	111.7	184.9	257.2
0.0	35°	33.9	39.4	43.9	48.5	68.7	89.7	109.8	130.0	211.4	292.0
0.0	37.5°	33.0	38.4	43.0	47.6	69.6	90.6	112.6	133.6	214.2	294.7
0.0	40°	33.9	38.4	43.9	48.5	66.8	85.1	102.5	120.8	205.0	288.3
0.0	42.5°	33.9	39.4	44.9	50.3	65.0	79.6	94.3	108.9	202.3	295.7
0.0	45°	33.0	38.4	43.9	49.4	63.2	76.0	89.7	102.5	218.8	334.1
0.0	47.5°	32.0	37.5	43.0	48.5	62.2	76.0	89.7	103.4	282.8	461.3
0.0	50°	32.0	37.5	42.1	46.7	63.2	80.5	97.0	113.5	411.9	709.4
0.0	52.5°	33.9	38.4	42.1	45.8	65.0	85.1	104.3	123.6	523.6	922.7
0.0	55°	36.6	39.4	43.0	45.8	69.6	92.4	116.2	139.1	557.4	975.7
0.0	57.5°	40.3	43.0	45.8	48.5	77.8	107.1	135.5	164.8	560.2	954.7
0.0	60°	44.9	48.5	51.3	54.0	85.1	117.2	148.3	179.4	507.1	833.9
0.0	62.5°	54.9	59.5	63.2	67.7	97.9	127.2	157.4	186.7	421.1	655.4
0.0	65°	63.2	66.8	70.5	74.1	103.4	133.6	162.9	192.2	357.0	521.7
0.0	67.5°	65.0	68.7	71.4	75.1	105.3	135.5	164.8	195.0	305.7	415.6
	70°	65.9	70.5	76.0	80.5	111.7	142.8	173.0	204.1	270.9	337.8
	72.5°	63.2	72.3	80.5	88.8	118.1	146.5	175.7	204.1	251.7	299.3
	75°	63.2	76.0	87.9	99.8	121.7	142.8	164.8	185.8	222.4	259.0
	77.5°	66.8	83.3	99.8	116.2	129.1	141.0	153.8	165.7	189.5	213.3
	80°	66.8	84.2	100.7	118.1	123.6	130.0	135.5	141.0	143.7	146.5
	82.5°	57.7	71.4	85.1	98.9	92.4	86.0	79.6	73.2	68.7	63.2
	85°	29.3	32.0	33.9	35.7	33.0	30.2	27.5	24.7	22.9	20.1
	87.5°	11.9	11.9	11.0	11.0	11.0	11.0	10.1	10.1	10.1	10.1
	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: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
53.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.7	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
74.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
367.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
458.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
520.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
567.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
614.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
705.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
888.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1354.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2075.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2612.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2671.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2411.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2061.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1611.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1217.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
898.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
636.2											
473.2											
344.2											
259.0											
145.5											
65.9											
19.2											
9.2											
0.0											
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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	68.7	67.7	67.7	66.8	65.9	65.0	64.1	63.2	62.2	61.3
0.0	5°	71.4	71.4	71.4	70.5	70.5	69.6	69.6	68.7	67.7	66.8
0.0	7.5°	74.1	75.1	75.1	76.0	76.0	76.0	76.0	75.1	75.1	75.1
0.0	10°	78.7	79.6	80.5	81.5	82.4	83.3	83.3	84.2	84.2	84.2
0.0	12.5°	84.2	87.0	88.8	91.5	93.4	96.1	97.9	100.7	102.5	104.3
0.0	15°	92.4	97.0	102.5	107.1	111.7	118.1	125.4	131.8	138.2	148.3
0.0	17.5°	104.3	119.0	133.6	147.4	162.0	194.1	226.1	257.2	289.2	335.9
0.0	20°	127.2	171.2	214.2	258.1	301.1	413.7	525.4	638.0	749.7	869.6
0.0	22.5°	178.5	286.5	394.5	502.5	610.5	845.8	1080.1	1315.3	1549.7	1825.2
0.0	25°	259.0	457.7	656.3	854.0	1052.6	1420.6	1789.5	2157.4	2525.4	2883.3
0.0	27.5°	377.1	681.0	984.9	1287.9	1591.8	2090.6	2590.4	3089.3	3588.1	3992.7
0.0	30°	522.7	934.6	1346.5	1758.4	2170.3	2737.8	3305.3	3871.9	4439.4	4881.5
0.0	32.5°	660.0	1164.3	1668.7	2172.1	2676.4	3322.7	3969.8	4616.0	5262.3	5745.6
0.0	35°	749.7	1359.3	1969.8	2579.4	3189.0	3888.3	4587.7	5286.1	5985.4	6537.3
0.0	37.5°	839.4	1543.3	2246.2	2950.1	3653.1	4421.1	5189.0	5957.0	6725.0	7406.9
0.0	40°	940.0	1765.7	2590.4	3416.0	4240.7	5150.6	6059.5	6969.4	7878.3	8840.3
0.0	42.5°	1114.9	2134.6	3155.2	4174.8	5194.5	6398.2	7601.8	8804.6	10008.3	11381.3
0.0	45°	1443.5	2880.6	4318.5	5755.6	7192.7	8787.2	10382.6	11977.1	13571.7	15398.7
0.0	47.5°	2248.1	4225.2	6201.4	8178.5	10154.7	11876.5	13597.3	15319.0	17039.9	18859.5
0.0	50°	3439.8	5741.0	8042.1	10342.4	12643.5	14201.4	15758.4	17316.3	18873.3	20604.2
0.0	52.5°	4302.1	6699.3	9097.5	11494.8	13892.0	15298.0	16704.8	18110.8	19516.8	21134.1
0.0	55°	4367.1	6750.6	9135.0	11518.6	13902.1	15314.5	16726.8	18139.2	19551.5	21266.0
0.0	57.5°	3866.4	6230.7	8594.1	10958.4	13321.8	14930.0	16537.3	18145.6	19752.9	21606.5
0.0	60°	3288.8	5654.0	8018.3	10383.5	12747.9	14600.5	16454.0	18306.7	20159.3	21895.7
0.0	62.5°	2565.7	4998.6	7432.5	9865.5	12298.4	14179.4	16060.5	17940.5	19821.6	21124.1
0.0	65°	1912.1	4274.6	6637.1	8998.6	11361.1	12867.8	14374.4	15880.1	17386.8	18193.2
0.0	67.5°	1382.2	3419.7	5456.3	7493.8	9530.5	10608.7	11687.0	12764.3	13842.6	14459.5
	70°	934.6	2346.0	3756.5	5168.0	6578.5	7464.5	8351.5	9237.6	10123.6	10956.5
	72.5°	647.1	1439.8	2233.4	3026.1	3818.8	4710.3	5600.9	6492.5	7383.1	8264.6
	75°	429.3	789.9	1151.5	1512.1	1872.8	2532.7	3193.6	3853.6	4513.5	5038.9
	77.5°	304.8	412.8	521.7	629.7	737.8	861.3	985.8	1109.4	1233.0	1420.6
	80°	144.6	158.4	172.1	184.9	198.6	243.5	288.3	333.2	378.0	425.6
	82.5°	68.7	74.1	79.6	84.2	89.7	94.3	98.9	103.4	108.0	103.4
	85°	18.3	18.3	19.2	19.2	19.2	19.2	19.2	19.2	19.2	18.3
	87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.3	7.3	6.4
	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
53.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
381.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
990.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2100.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3241.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4397.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5324.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6229.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7089.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8089.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9802.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12754.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17225.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20679.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22335.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22751.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22981.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23460.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23631.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22427.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19000.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15077.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11788.6											
9146.0											
5564.3											
1608.2											
473.2											
97.9											
17.4											
6.4											
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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	2.5°	59.5	58.6	57.7	56.8	55.8	54.0	54.0	53.1	53.1
0.0	5°	65.0	64.1	63.2	62.2	62.2	61.3	60.4	60.4	59.5
0.0	7.5°	74.1	73.2	72.3	71.4	71.4	70.5	70.5	69.6	69.6
0.0	10°	85.1	85.1	85.1	85.1	85.1	84.2	84.2	84.2	83.3
0.0	12.5°	107.1	108.0	109.8	111.7	114.4	114.4	114.4	113.5	113.5
0.0	15°	169.3	179.4	186.7	194.1	200.5	215.1	213.3	210.5	208.7
0.0	17.5°	428.4	474.1	498.9	522.7	547.4	615.1	604.1	593.1	583.1
0.0	20°	1110.3	1230.2	1309.8	1389.5	1470.0	1597.3	1566.1	1535.0	1503.9
0.0	22.5°	2375.3	2650.8	2770.7	2890.6	3009.6	3163.4	3063.6	2963.9	2865.0
0.0	25°	3598.2	3956.1	4158.4	4360.7	4562.0	4649.9	4519.9	4389.0	4259.0
0.0	27.5°	4801.8	5206.4	5384.9	5562.5	5741.0	5925.0	5763.9	5601.8	5440.7
0.0	30°	5766.6	6208.7	6401.8	6594.1	6787.2	6915.3	6748.8	6581.3	6414.7
0.0	32.5°	6713.1	7196.4	7407.8	7619.2	7829.8	8013.7	7808.7	7602.8	7397.7
0.0	35°	7640.3	8192.2	8483.3	8774.4	9065.5	9236.6	8993.2	8748.8	8505.3
0.0	37.5°	8771.6	9453.6	9779.4	10105.3	10431.1	10743.3	10475.1	10206.0	9937.8
0.0	40°	10764.3	11726.3	12226.1	12726.8	13226.6	13629.3	13290.7	12952.0	12613.3
0.0	42.5°	14127.3	15500.3	16218.8	16936.4	17655.0	18283.8	17927.7	17571.7	17215.6
0.0	45°	19052.7	20879.7	21755.7	22630.7	23506.7	23966.2	23453.6	22940.1	22427.5
0.0	47.5°	22498.0	24317.7	25097.5	25877.4	26657.3	27181.8	26554.8	25927.8	25301.7
0.0	50°	24065.0	25795.9	26578.6	27360.2	28142.9	28559.3	27835.3	27110.4	26386.3
0.0	52.5°	24368.0	25985.4	26919.1	27853.6	28787.3	29343.8	28488.9	27633.0	26778.1
0.0	55°	24695.7	26410.1	27493.0	28576.7	29659.6	30430.3	29463.7	28496.2	27529.6
0.0	57.5°	25312.6	27166.2	28246.3	29325.5	30405.6	31060.0	30090.7	29120.4	28151.1
0.0	60°	25367.6	27103.0	28031.2	28960.3	29888.4	30300.3	29373.1	28444.9	27517.7
0.0	62.5°	23730.0	25032.6	25677.0	26321.3	26965.7	27413.3	26445.8	25477.4	24509.9
0.0	65°	19806.9	20613.3	21126.8	21640.3	22153.8	22687.5	21801.4	20915.4	20029.3
0.0	67.5°	15694.3	16311.3	16987.7	17664.1	18340.5	18910.8	18201.4	17491.1	16781.7
	70°	12621.5	13453.6	14214.2	14974.9	15735.5	16202.3	15490.2	14777.2	14065.0
	72.5°	10027.5	10909.0	11544.2	12178.5	12813.8	12928.2	12404.6	11881.0	11358.4
	75°	6088.8	6614.2	6627.0	6638.9	6651.7	6760.7	6326.8	5892.9	5460.0
	77.5°	1795.9	1983.5	2138.2	2292.0	2446.7	2633.4	2474.1	2314.0	2154.7
	80°	519.9	567.5	607.8	647.1	687.4	663.6	626.1	588.6	551.0
	82.5°	93.4	87.9	87.0	86.0	86.0	81.5	74.1	66.8	59.5
	85°	16.5	15.6	14.6	13.7	12.8	11.9	10.1	9.2	7.3
	87.5°	5.5	4.6	3.7	2.7	2.7	0.9	0.9	0.9	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: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
0.0	0.0	2.5°	52.2	51.3	51.3	51.3	51.3	50.3	50.3	50.3	50.3
0.0	0.0	5°	57.7	57.7	56.8	56.8	55.8	55.8	54.9	54.9	54.0
0.0	0.0	7.5°	67.7	66.8	65.9	65.0	64.1	62.2	61.3	60.4	60.4
0.0	0.0	10°	81.5	79.6	78.7	76.9	76.0	74.1	72.3	70.5	68.7
0.0	0.0	12.5°	107.1	103.4	100.7	97.0	93.4	90.6	87.0	84.2	80.5
0.0	0.0	15°	185.8	176.7	166.6	154.7	141.9	130.0	117.2	109.8	101.6
0.0	0.0	17.5°	475.1	427.5	378.9	339.6	300.2	261.8	222.4	194.1	165.7
0.0	0.0	20°	1209.2	1077.3	945.5	815.6	684.7	554.7	423.8	357.9	292.0
0.0	0.0	22.5°	2275.5	2031.1	1785.8	1548.7	1310.8	1073.7	836.6	687.4	539.1
0.0	0.0	25°	3512.1	3204.6	2897.0	2507.1	2116.3	1726.3	1336.4	1093.8	851.3
0.0	0.0	27.5°	4570.3	4216.0	3861.8	3387.7	2913.5	2439.4	1965.2	1603.7	1243.0
0.0	0.0	30°	5486.5	5105.7	4725.0	4173.0	3621.1	3069.1	2517.2	2065.0	1612.8
0.0	0.0	32.5°	6281.0	5825.2	5369.3	4800.0	4230.7	3661.3	3092.0	2537.3	1982.6
0.0	0.0	35°	7197.3	6665.5	6132.7	5501.2	4868.7	4237.1	3605.5	2979.4	2352.4
0.0	0.0	37.5°	8361.6	7708.9	7055.4	6351.5	5647.6	4944.6	4240.7	3525.0	2809.2
0.0	0.0	40°	10590.4	9748.3	8906.2	8011.9	7116.7	6222.4	5328.2	4449.4	3570.7
0.0	0.0	42.5°	14584.0	13446.3	12308.5	11118.6	9927.7	8737.8	7546.9	6307.6	5067.3
0.0	0.0	45°	19091.1	17679.7	16267.3	14931.8	13595.5	12260.0	10924.5	9223.8	7523.1
0.0	0.0	47.5°	21625.7	20101.7	18577.6	17313.5	16049.5	14785.4	13521.3	11687.9	9854.5
0.0	0.0	50°	22558.4	21006.9	19455.4	18292.0	17127.7	15964.3	14800.0	12963.9	11126.8
0.0	0.0	52.5°	22757.0	21174.4	19591.8	18421.1	17250.4	16080.6	14909.9	13085.6	11261.4
0.0	0.0	55°	23165.3	21467.3	19768.5	18433.9	17099.4	15764.8	14430.2	12576.7	10723.1
0.0	0.0	57.5°	23698.9	21957.9	20217.0	18696.6	17176.2	15656.8	14136.4	12109.9	10083.3
0.0	0.0	60°	23558.9	22044.0	20528.2	18899.8	17270.5	15642.1	14012.8	11784.0	9554.3
0.0	0.0	62.5°	21127.7	19921.3	18714.0	17374.9	16034.8	14695.7	13356.6	11061.8	8767.1
0.0	0.0	65°	17381.3	16500.7	15620.2	14542.8	13464.6	12387.2	11309.9	9252.2	7195.4
0.0	0.0	67.5°	14087.0	13094.8	12101.6	11243.0	10383.5	9525.0	8665.5	7046.2	5427.0
		70°	11191.8	10112.6	9032.5	8194.1	7354.7	6516.3	5677.8	4601.4	3525.9
		72.5°	8887.9	7914.9	6941.9	6047.6	5152.4	4258.1	3362.9	2726.8	2090.6
		75°	4248.1	3859.0	3470.0	3002.3	2534.6	2066.8	1599.1	1321.7	1045.3
		77.5°	1574.4	1364.8	1154.2	963.8	773.5	584.0	393.6	360.6	327.7
		80°	407.3	355.1	302.1	264.5	226.1	188.6	151.0	136.4	122.7
		82.5°	46.7	43.0	40.3	38.4	35.7	33.9	31.1	28.4	25.6
		85°	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	53.1	53.1
0.0	0.0	2.5°	49.4	48.5
0.0	0.0	5°	52.2	51.3
0.0	0.0	7.5°	57.7	55.8
0.0	0.0	10°	63.2	61.3
0.0	0.0	12.5°	71.4	68.7
0.0	0.0	15°	80.5	75.1
0.0	0.0	17.5°	96.1	84.2
0.0	0.0	20°	130.0	99.8
0.0	0.0	22.5°	183.1	124.5
0.0	0.0	25°	269.1	172.1
0.0	0.0	27.5°	374.4	228.8
0.0	0.0	30°	497.9	286.5
0.0	0.0	32.5°	606.9	341.4
0.0	0.0	35°	748.7	397.3
0.0	0.0	37.5°	923.6	468.7
0.0	0.0	40°	1194.5	576.7
0.0	0.0	42.5°	1682.4	776.2
0.0	0.0	45°	2732.3	1341.9
0.0	0.0	47.5°	4204.1	2219.7
0.0	0.0	50°	5143.3	2833.0
0.0	0.0	52.5°	5220.2	2828.4
0.0	0.0	55°	4765.2	2514.4
0.0	0.0	57.5°	4065.9	2101.6
0.0	0.0	60°	3379.4	1662.2
0.0	0.0	62.5°	2662.7	1147.8
0.0	0.0	65°	1946.0	811.9
0.0	0.0	67.5°	1397.7	606.9
		70°	919.0	465.0
		72.5°	598.6	378.9
		75°	402.7	314.0
		77.5°	235.2	208.7
		80°	83.3	73.2
		82.5°	15.6	11.0
		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: P1049221

CATALOG NUMBER: GALN-SA4A-840-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

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

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

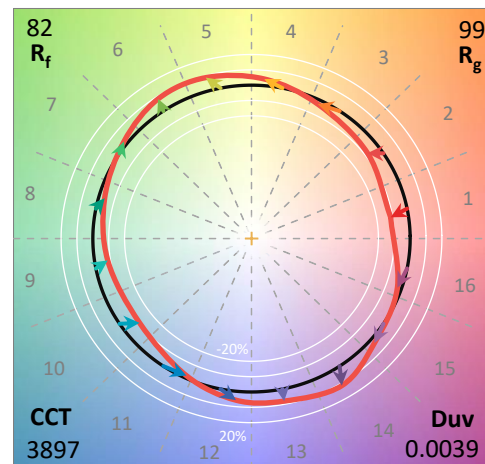
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 4000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

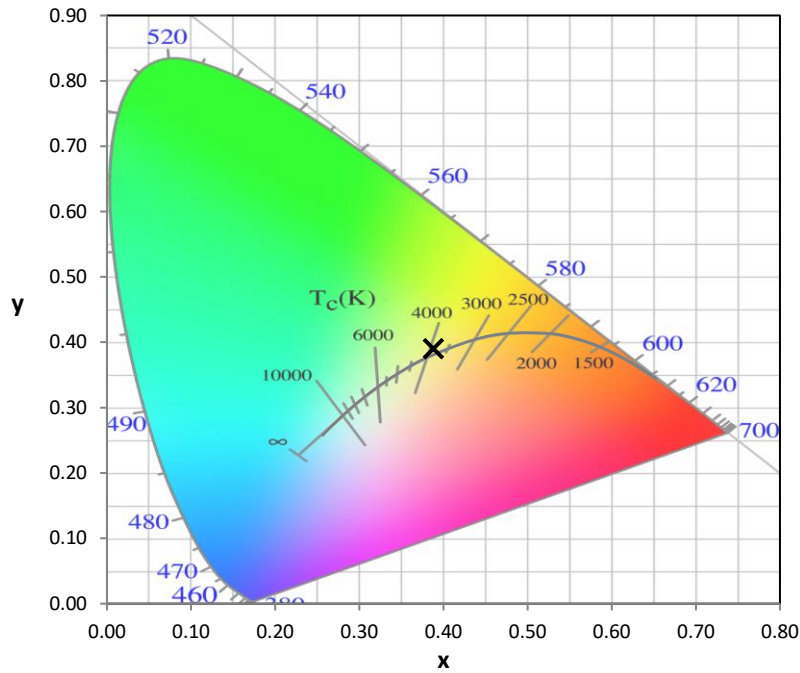
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-11

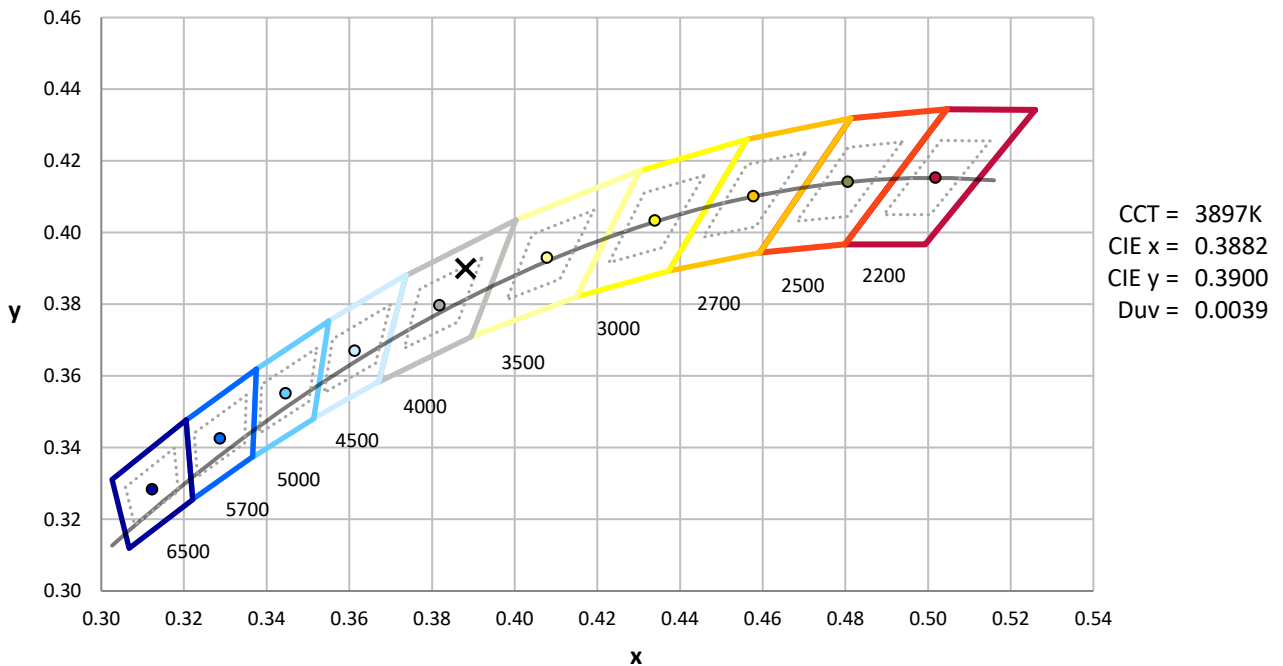
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



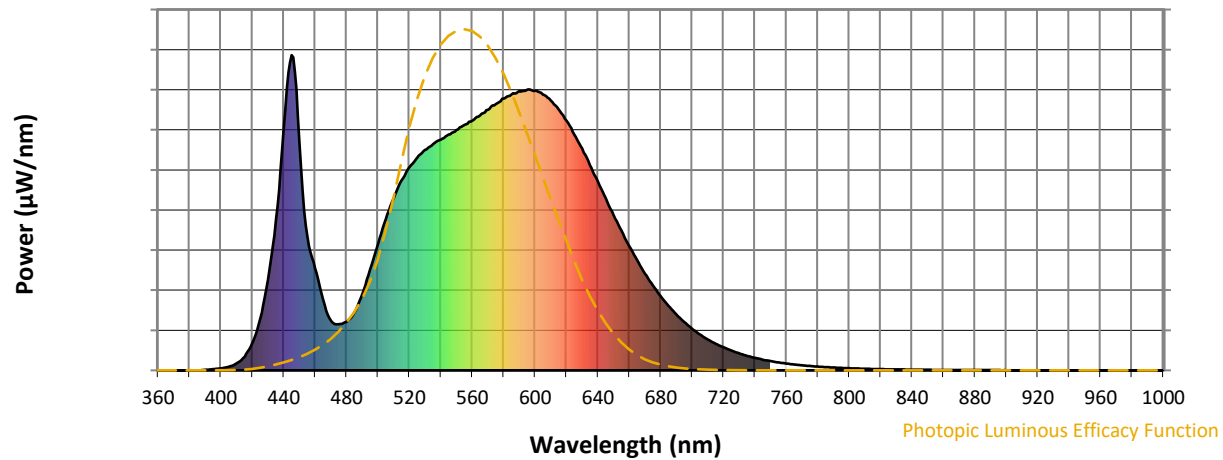
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

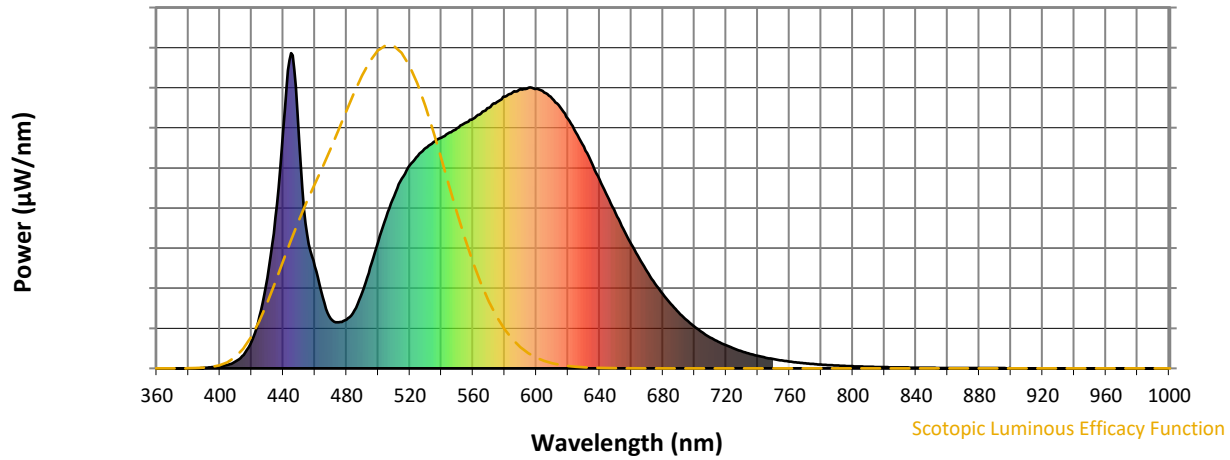


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength



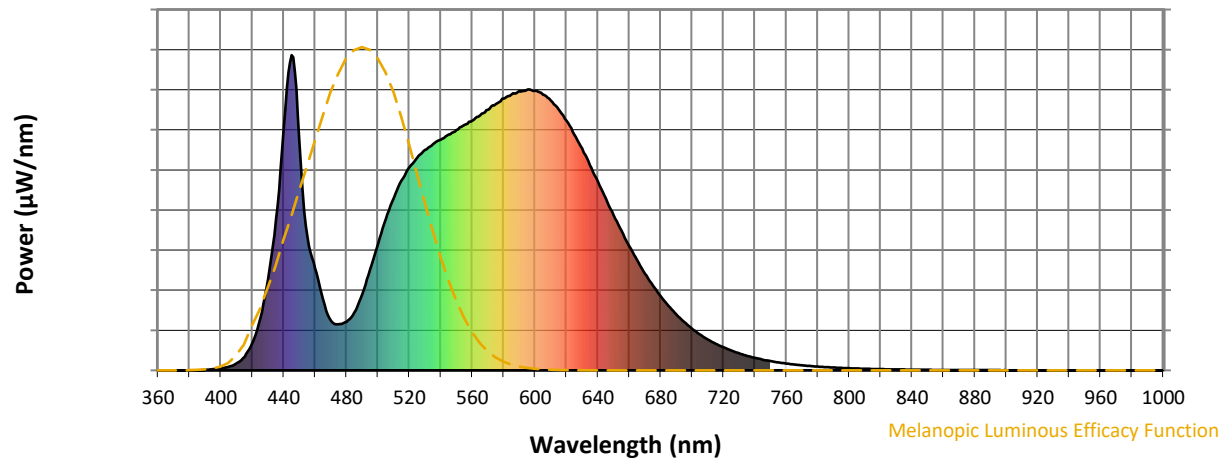
Scotopic Lumens: NR

S/P: 1.57

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

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

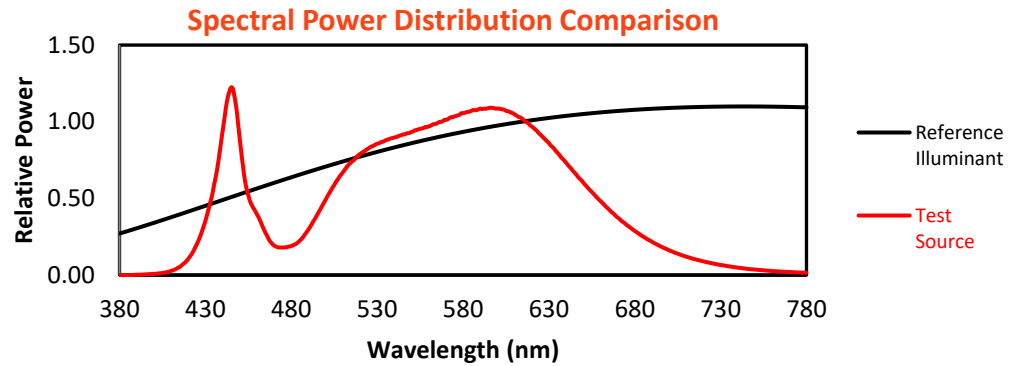
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242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

REPORT NUMBER: SP1-2407-184-11

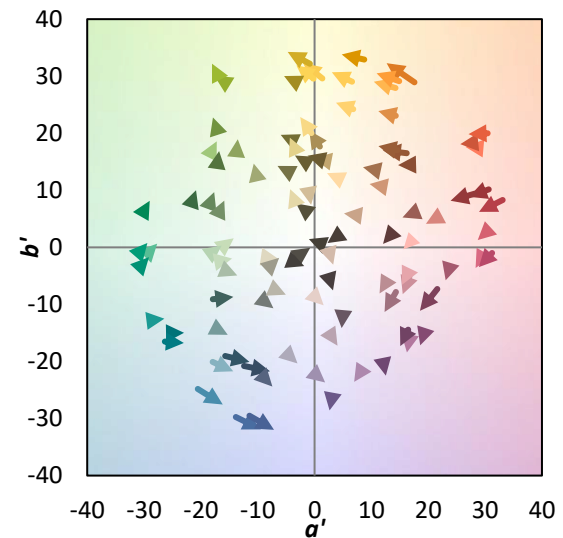
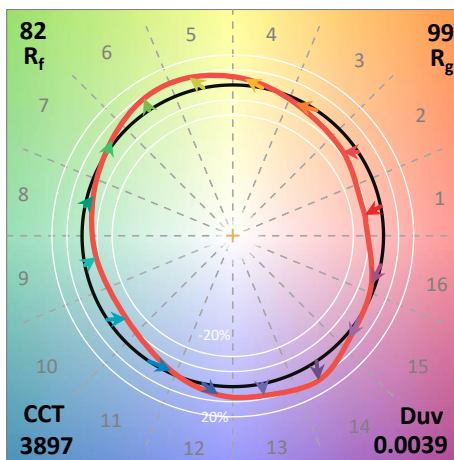
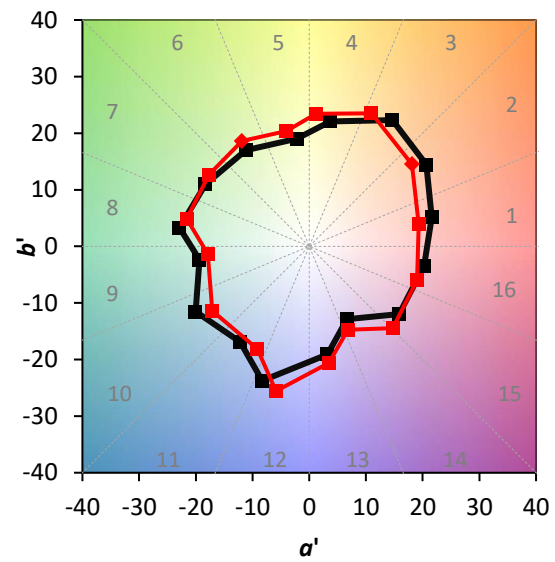
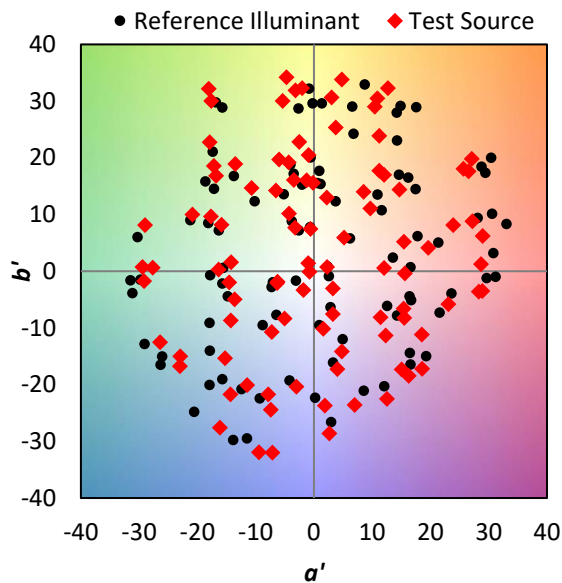
TM-30-18

Summary

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

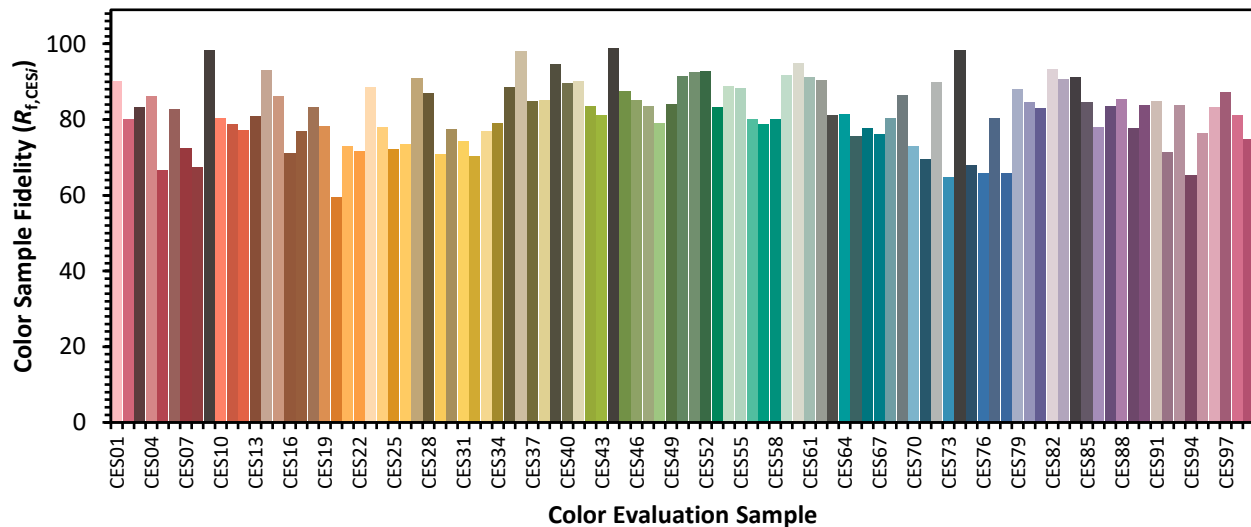


Color Vector Graphics

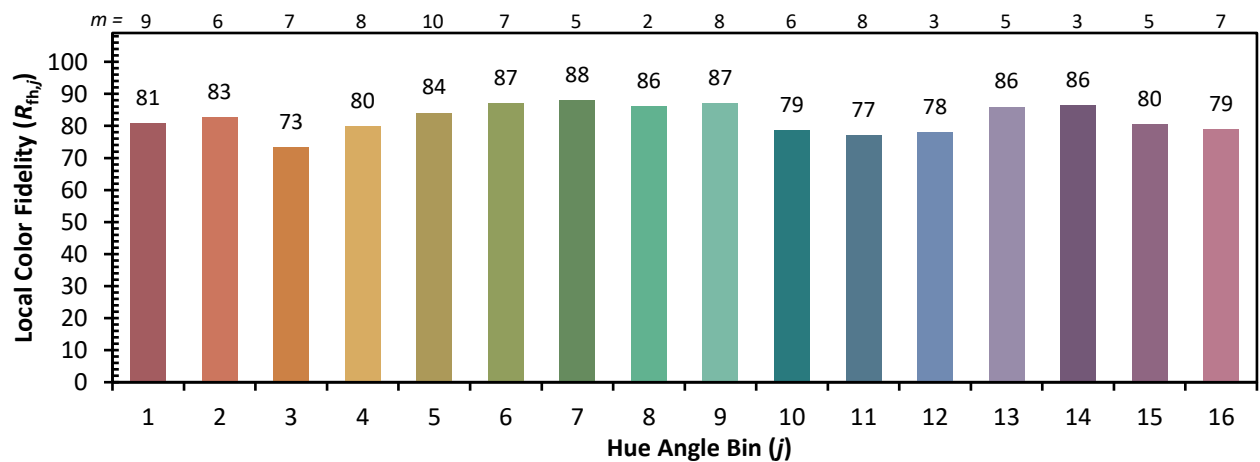
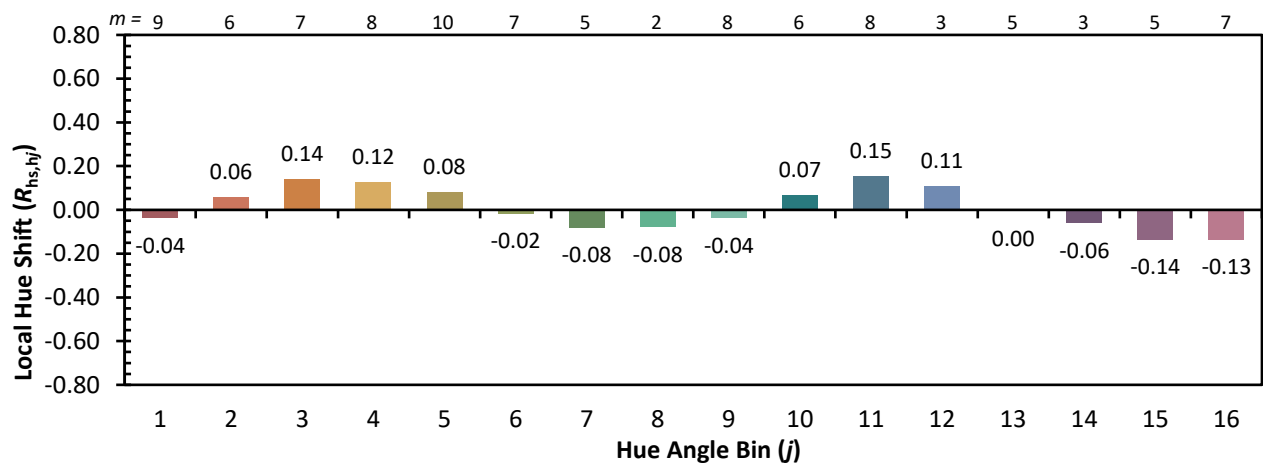
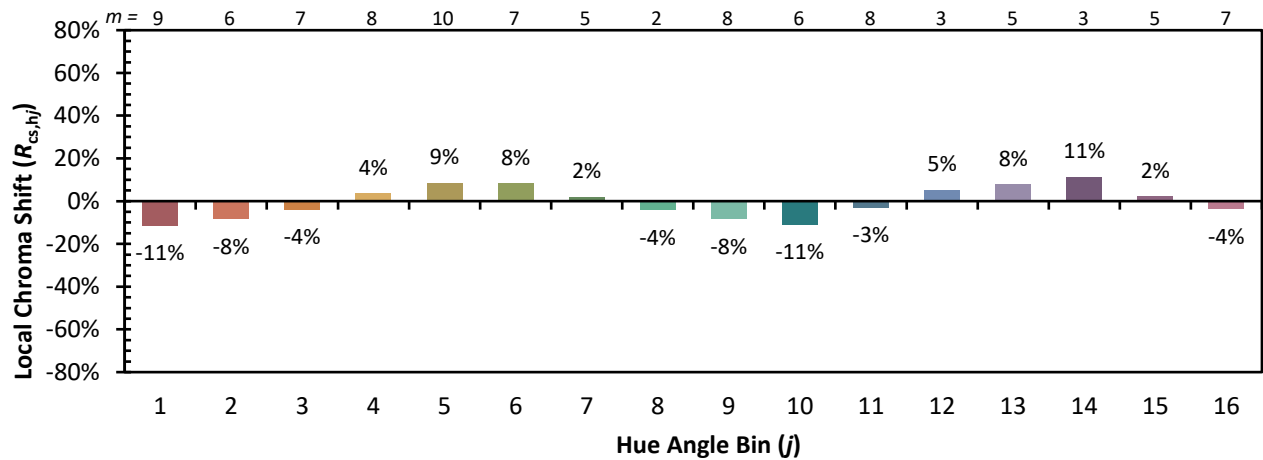


Individual Sample Fidelity Index ($R_{f,i}$)

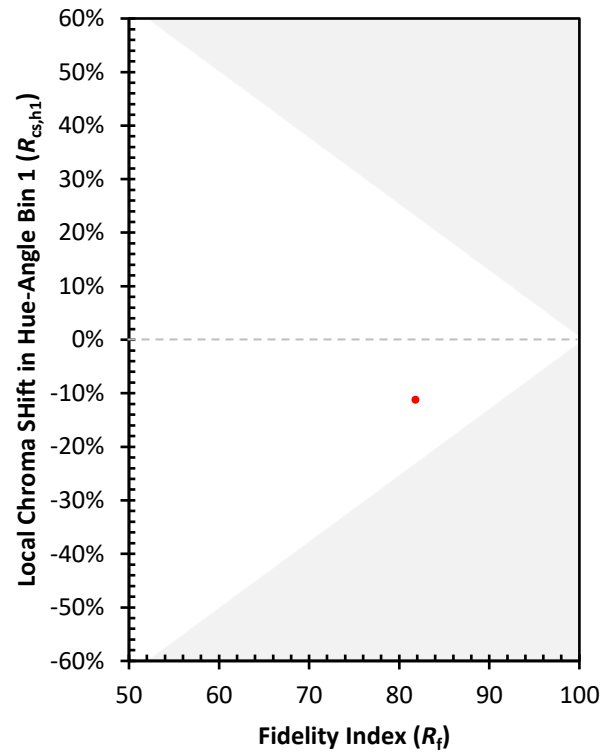
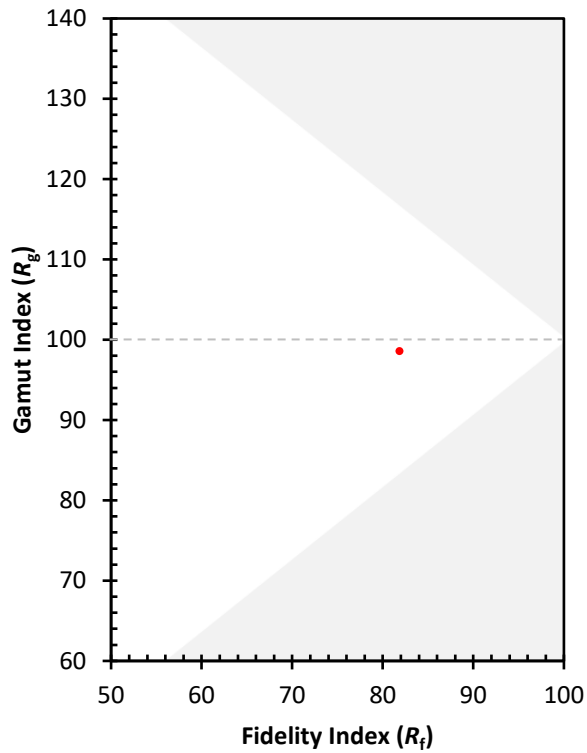
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)