

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: P1049259

Luminaire Tested: **GALN-SA4C-850-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049259
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18687.4 lumens
Efficiency: N/A
Efficacy: 98.1 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): 190.4
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

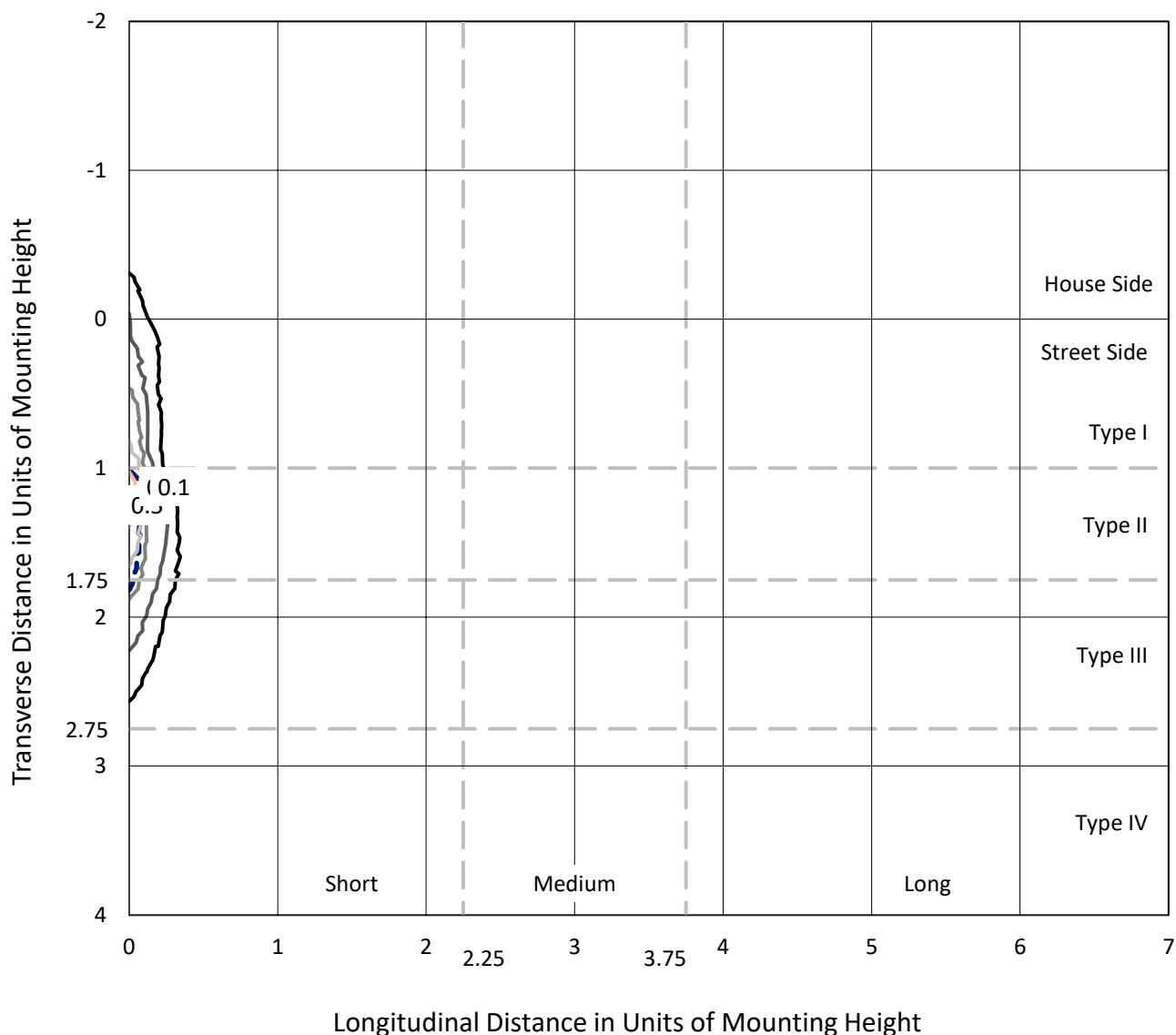
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

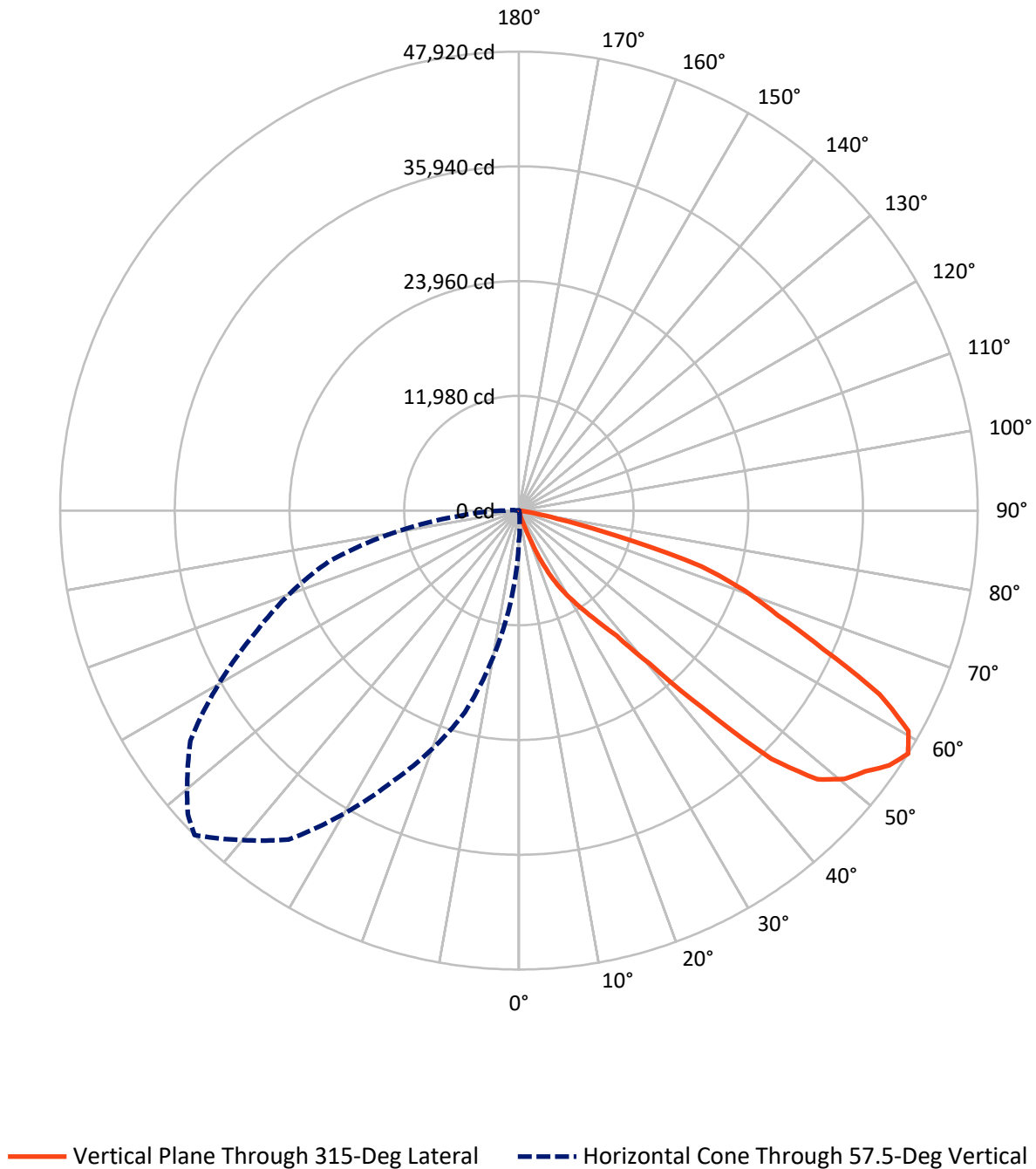


Based on 20 foot mounting height. Maximum calculated value = 2.8 fc

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	93.6	0.0	93.6
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	18593.8	0.0	18593.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	18687.4	0.0	18687.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.0
10°-20°	41.1	0.2
20°-30°	442.9	2.4
30°-40°	1309.6	7.0
40°-50°	3903.0	20.9
50°-60°	6188.8	33.1
60°-70°	5166.2	27.6
70°-80°	1593.0	8.5
80°-90°	35.4	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°	18687.4	100.0
0°-180°	18687.4	100.0



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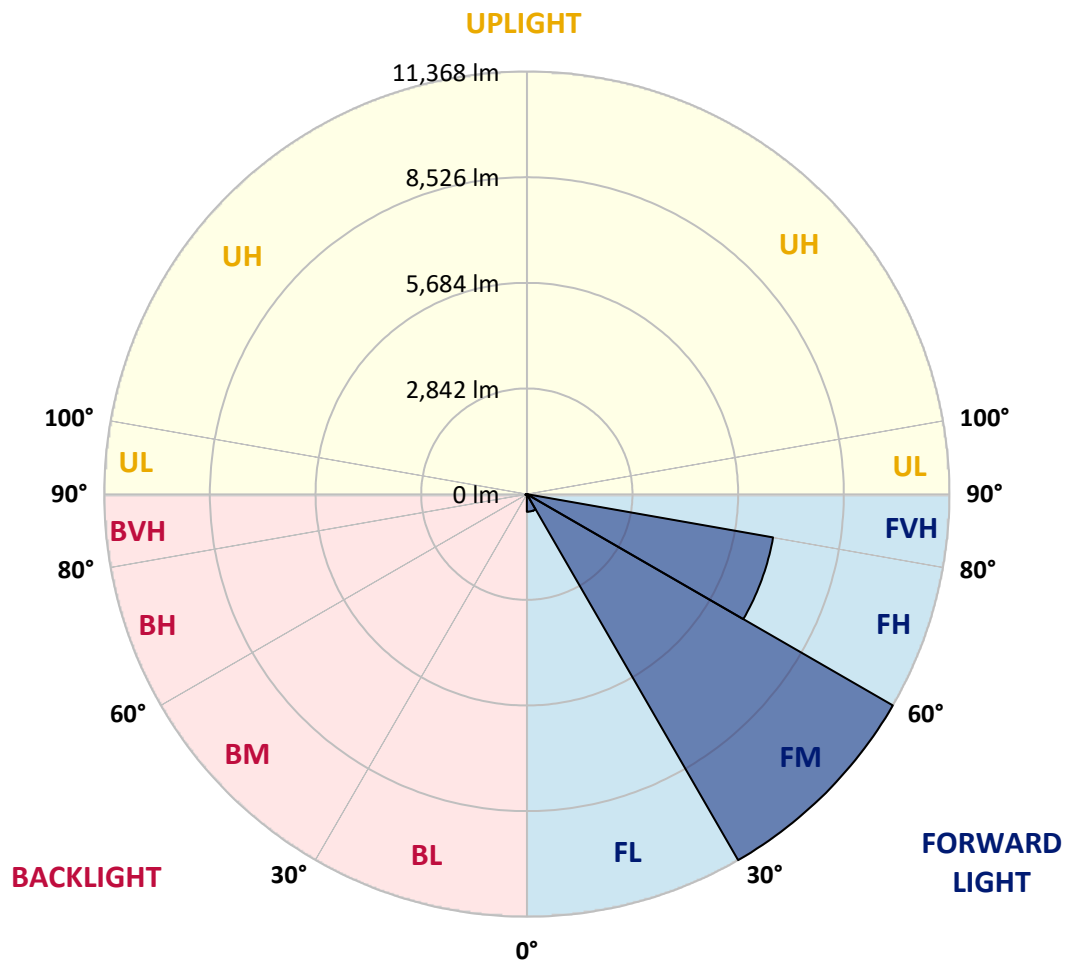
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.1	2.5			
FM	(30°-60°)	11368.0	60.8			
FH	(60°-80°)	6724.3	36.0			G3/7500
FVH	(80°-90°)	27.4	0.1			G1/100
BL	(0°-30°)	17.2	0.1	B0/110		
BM	(30°-60°)	33.4	0.2	B0/220		
BH	(60°-80°)	34.9	0.2	B0/110		G0/110
BVH	(80°-90°)	8.0	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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	74.8	74.8	74.8	74.8	73.4	73.4	72.0	72.0	70.6	70.6
5°	79.1	79.1	77.7	76.3	76.3	74.8	73.4	72.0	72.0	70.6
7.5°	86.1	84.7	83.3	81.9	79.1	77.7	74.8	73.4	72.0	69.2
10°	94.6	91.8	89.0	86.1	83.3	80.5	77.7	76.3	73.4	72.0
12.5°	105.9	101.7	96.0	91.8	89.0	84.7	81.9	79.1	74.8	72.0
15°	115.8	110.2	103.1	97.4	93.2	87.6	83.3	79.1	76.3	72.0
17.5°	129.9	120.0	108.7	101.7	96.0	89.0	81.9	77.7	73.4	67.8
20°	153.9	134.2	113.0	104.5	96.0	87.6	79.1	73.4	69.2	63.5
22.5°	192.1	158.2	124.3	111.6	100.3	87.6	76.3	70.6	65.0	59.3
25°	265.5	204.8	144.0	127.1	110.2	93.2	76.3	69.2	63.5	56.5
27.5°	353.0	262.7	170.9	146.9	124.3	100.3	76.3	67.8	60.7	52.3
30°	442.0	322.0	200.5	169.5	138.4	107.3	76.3	66.4	57.9	48.0
32.5°	526.7	377.1	226.0	189.2	152.5	114.4	77.7	66.4	55.1	43.8
35°	612.9	422.2	230.2	192.1	153.9	114.4	76.3	63.5	52.3	39.5
37.5°	723.0	473.1	221.7	183.6	146.9	108.7	72.0	60.7	49.4	36.7
40°	889.7	557.8	226.0	186.4	146.9	107.3	67.8	56.5	46.6	35.3
42.5°	1197.5	721.6	244.3	199.1	153.9	107.3	62.1	52.3	43.8	33.9
45°	2070.3	1198.9	327.6	259.8	192.1	124.3	56.5	48.0	41.0	32.5
47.5°	3424.6	2006.7	588.9	454.7	322.0	187.8	55.1	48.0	41.0	32.5
50°	4370.7	2556.1	741.4	570.5	399.6	228.8	57.9	49.4	42.4	33.9
52.5°	4363.7	2595.6	826.1	634.1	443.4	251.4	60.7	52.3	45.2	36.7
55°	3879.3	2361.2	841.7	646.8	453.3	258.4	65.0	56.5	48.0	39.5
57.5°	3242.4	2005.3	768.2	594.5	422.2	248.5	74.8	65.0	56.5	46.6
60°	2564.5	1581.7	598.8	473.1	348.8	223.1	98.9	86.1	74.8	62.1
62.5°	1770.9	1146.7	522.5	419.4	317.7	214.7	113.0	100.3	89.0	76.3
65°	1252.6	862.8	471.7	384.1	298.0	210.4	122.9	108.7	96.0	81.9
67.5°	936.3	686.3	435.0	360.1	285.3	210.4	135.6	118.6	103.1	86.1
70°	717.4	563.5	408.1	347.4	288.1	227.4	166.6	142.6	120.0	96.0
72.5°	584.6	481.6	377.1	333.3	289.5	245.7	201.9	170.9	139.8	107.3
75°	484.4	412.4	340.3	303.6	268.3	231.6	194.9	166.6	139.8	111.6
77.5°	322.0	293.7	264.1	242.9	221.7	199.1	177.9	153.9	131.3	107.3
80°	113.0	108.7	104.5	113.0	121.4	129.9	138.4	121.4	105.9	89.0
82.5°	16.9	15.5	14.1	15.5	16.9	18.4	19.8	21.2	22.6	24.0
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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	69.2	69.2	67.8	67.8	67.8	66.4	66.4	65.0	65.0	65.0
0.0	5°	67.8	67.8	66.4	65.0	63.5	63.5	62.1	60.7	60.7	59.3
0.0	7.5°	66.4	65.0	63.5	62.1	60.7	59.3	57.9	56.5	56.5	55.1
0.0	10°	67.8	65.0	63.5	60.7	59.3	57.9	55.1	53.7	52.3	52.3
0.0	12.5°	65.0	63.5	60.7	57.9	56.5	53.7	52.3	49.4	48.0	48.0
0.0	15°	65.0	62.1	57.9	55.1	52.3	50.8	48.0	45.2	43.8	42.4
0.0	17.5°	60.7	57.9	53.7	50.8	48.0	45.2	42.4	39.5	38.1	36.7
0.0	20°	55.1	52.3	48.0	43.8	41.0	38.1	35.3	32.5	31.1	29.7
0.0	22.5°	49.4	46.6	42.4	38.1	35.3	32.5	28.2	25.4	24.0	21.2
0.0	25°	46.6	42.4	38.1	33.9	29.7	26.8	22.6	18.4	15.5	12.7
0.0	27.5°	39.5	35.3	31.1	26.8	22.6	18.4	14.1	9.9	7.1	5.6
0.0	30°	33.9	29.7	25.4	21.2	15.5	11.3	7.1	1.4	1.4	1.4
0.0	32.5°	28.2	24.0	18.4	14.1	11.3	7.1	4.2	0.0	0.0	0.0
0.0	35°	22.6	18.4	12.7	8.5	7.1	4.2	2.8	0.0	0.0	0.0
0.0	37.5°	19.8	15.5	9.9	4.2	2.8	2.8	1.4	0.0	0.0	0.0
0.0	40°	18.4	12.7	7.1	1.4	1.4	1.4	0.0	0.0	0.0	0.0
0.0	42.5°	18.4	12.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	18.4	12.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	18.4	12.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	19.8	14.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	22.6	16.9	11.3	5.6	4.2	2.8	1.4	0.0	0.0	0.0
0.0	55°	28.2	25.4	21.2	18.4	14.1	9.9	4.2	0.0	0.0	0.0
0.0	57.5°	36.7	36.7	35.3	33.9	25.4	16.9	8.5	0.0	0.0	0.0
0.0	60°	49.4	49.4	49.4	49.4	36.7	25.4	12.7	0.0	0.0	0.0
0.0	62.5°	60.7	57.9	53.7	50.8	38.1	25.4	12.7	0.0	0.0	0.0
0.0	65°	60.7	55.1	48.0	41.0	31.1	21.2	9.9	0.0	0.0	0.0
0.0	67.5°	56.5	45.2	32.5	21.2	15.5	11.3	5.6	0.0	0.0	0.0
	70°	56.5	39.5	22.6	5.6	4.2	2.8	1.4	0.0	0.0	0.0
	72.5°	56.5	38.1	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	62.1	42.4	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	62.1	42.4	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	55.1	36.7	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	18.4	12.7	5.6	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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	63.5	63.5	63.5	62.1	62.1	62.1	62.1	60.7	60.7	60.7
0.0	5°	57.9	57.9	56.5	56.5	55.1	55.1	53.7	53.7	52.3	52.3
0.0	7.5°	53.7	52.3	52.3	50.8	49.4	49.4	48.0	48.0	46.6	45.2
0.0	10°	49.4	48.0	48.0	46.6	45.2	43.8	43.8	42.4	41.0	39.5
0.0	12.5°	45.2	43.8	42.4	41.0	39.5	38.1	38.1	36.7	35.3	33.9
0.0	15°	39.5	38.1	36.7	35.3	33.9	32.5	32.5	31.1	29.7	28.2
0.0	17.5°	33.9	32.5	32.5	31.1	29.7	28.2	26.8	24.0	22.6	21.2
0.0	20°	25.4	24.0	22.6	21.2	19.8	16.9	15.5	12.7	9.9	8.5
0.0	22.5°	16.9	14.1	12.7	9.9	7.1	5.6	4.2	1.4	0.0	0.0
0.0	25°	5.6	4.2	2.8	1.4	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-SA4C-850-U-RBC

[illegible]

REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	59.3	59.3	59.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9
0.0	5°	50.8	50.8	50.8	49.4	49.4	48.0	48.0	48.0	46.6	46.6
0.0	7.5°	43.8	42.4	42.4	41.0	41.0	39.5	39.5	39.5	38.1	38.1
0.0	10°	36.7	35.3	35.3	33.9	33.9	32.5	32.5	31.1	31.1	29.7
0.0	12.5°	32.5	31.1	29.7	28.2	28.2	26.8	25.4	25.4	24.0	22.6
0.0	15°	25.4	24.0	22.6	21.2	19.8	18.4	16.9	16.9	15.5	14.1
0.0	17.5°	16.9	14.1	12.7	11.3	11.3	9.9	8.5	7.1	5.6	4.2
0.0	20°	4.2	2.8	1.4	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: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	57.9	56.5	56.5	56.5	57.9	57.9	57.9	57.9	57.9	57.9
0.0	5°	46.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
0.0	7.5°	38.1	36.7	36.7	36.7	36.7	35.3	35.3	35.3	35.3	35.3
0.0	10°	29.7	28.2	28.2	28.2	28.2	26.8	26.8	26.8	26.8	26.8
0.0	12.5°	21.2	21.2	19.8	19.8	19.8	18.4	18.4	18.4	18.4	16.9
0.0	15°	12.7	11.3	9.9	9.9	9.9	8.5	8.5	8.5	8.5	7.1
0.0	17.5°	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4C-850-U-RBC

[illegible]

REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	59.3	59.3	60.7	60.7	62.1	65.0	66.4	67.8	70.6	73.4
0.0	5°	46.6	48.0	48.0	49.4	50.8	52.3	53.7	55.1	57.9	60.7
0.0	7.5°	36.7	36.7	38.1	38.1	39.5	42.4	43.8	45.2	48.0	52.3
0.0	10°	28.2	28.2	29.7	29.7	31.1	33.9	35.3	36.7	39.5	43.8
0.0	12.5°	18.4	19.8	19.8	21.2	22.6	25.4	26.8	28.2	31.1	33.9
0.0	15°	8.5	9.9	9.9	11.3	12.7	15.5	16.9	18.4	21.2	25.4
0.0	17.5°	1.4	1.4	2.8	2.8	4.2	5.6	7.1	8.5	12.7	15.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	77.7	80.5	83.3	86.1	89.0	91.8	93.2	96.0	97.4	98.9
0.0	5°	66.4	69.2	73.4	76.3	79.1	81.9	84.7	86.1	87.6	89.0
0.0	7.5°	57.9	60.7	65.0	67.8	70.6	73.4	76.3	79.1	80.5	81.9
0.0	10°	49.4	53.7	56.5	60.7	63.5	66.4	69.2	72.0	74.8	76.3
0.0	12.5°	39.5	43.8	48.0	50.8	55.1	59.3	62.1	65.0	67.8	70.6
0.0	15°	31.1	35.3	39.5	42.4	46.6	50.8	55.1	57.9	60.7	63.5
0.0	17.5°	22.6	26.8	31.1	33.9	38.1	42.4	45.2	49.4	52.3	55.1
0.0	20°	11.3	15.5	19.8	24.0	28.2	32.5	35.3	39.5	42.4	45.2
0.0	22.5°	1.4	5.6	9.9	12.7	16.9	21.2	24.0	28.2	31.1	33.9
0.0	25°	0.0	1.4	4.2	5.6	7.1	9.9	12.7	15.5	18.4	21.2
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.4	2.8	5.6	8.5	11.3
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	1.4
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
	85°	0.0	0.0	0.0	0.0	0.0	2.8	4.2	7.1	8.5	9.9
	87.5°	0.0	1.4	2.8	4.2	5.6	8.5	11.3	14.1	15.5	16.9
	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: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
81.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.4											
5.6											
12.7											
18.4											
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REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	100.3	100.3	100.3	100.3	98.9	98.9	98.9	97.4	97.4	96.0
0.0	5°	91.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	91.8	91.8
0.0	7.5°	84.7	86.1	87.6	87.6	89.0	89.0	89.0	87.6	87.6	86.1
0.0	10°	80.5	81.9	81.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
0.0	12.5°	74.8	76.3	77.7	77.7	79.1	79.1	79.1	79.1	77.7	77.7
0.0	15°	67.8	70.6	72.0	73.4	73.4	74.8	74.8	74.8	74.8	74.8
0.0	17.5°	62.1	65.0	66.4	67.8	67.8	69.2	69.2	70.6	70.6	70.6
0.0	20°	50.8	53.7	55.1	57.9	59.3	60.7	62.1	63.5	63.5	65.0
0.0	22.5°	39.5	42.4	43.8	46.6	48.0	49.4	50.8	52.3	53.7	55.1
0.0	25°	28.2	31.1	32.5	35.3	36.7	38.1	39.5	41.0	41.0	42.4
0.0	27.5°	15.5	18.4	21.2	22.6	25.4	26.8	28.2	29.7	31.1	32.5
0.0	30°	7.1	8.5	9.9	12.7	14.1	15.5	16.9	19.8	21.2	22.6
0.0	32.5°	0.0	0.0	1.4	4.2	5.6	7.1	8.5	9.9	9.9	11.3
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	5.6
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°	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	82.5°	7.1	8.5	9.9	9.9	11.3	11.3	11.3	11.3	9.9	9.9
	85°	14.1	15.5	16.9	16.9	18.4	18.4	18.4	18.4	18.4	18.4
	87.5°	19.8	21.2	22.6	22.6	24.0	24.0	24.0	24.0	24.0	24.0
	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: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
81.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
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4.2											
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REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	94.6	94.6	93.2	93.2	93.2	93.2	93.2	94.6	96.0	96.0
0.0	5°	90.4	90.4	89.0	89.0	89.0	90.4	90.4	91.8	93.2	94.6
0.0	7.5°	86.1	84.7	84.7	86.1	86.1	87.6	87.6	89.0	90.4	91.8
0.0	10°	83.3	81.9	81.9	81.9	83.3	83.3	84.7	86.1	87.6	89.0
0.0	12.5°	77.7	77.7	77.7	77.7	79.1	79.1	80.5	81.9	84.7	86.1
0.0	15°	74.8	73.4	73.4	73.4	73.4	74.8	74.8	77.7	80.5	81.9
0.0	17.5°	69.2	69.2	67.8	67.8	69.2	69.2	70.6	73.4	76.3	77.7
0.0	20°	63.5	62.1	60.7	60.7	62.1	62.1	63.5	66.4	69.2	70.6
0.0	22.5°	55.1	53.7	53.7	53.7	53.7	55.1	55.1	57.9	62.1	65.0
0.0	25°	43.8	45.2	45.2	46.6	46.6	48.0	49.4	52.3	56.5	59.3
0.0	27.5°	33.9	35.3	35.3	38.1	39.5	41.0	42.4	46.6	50.8	53.7
0.0	30°	25.4	26.8	28.2	29.7	32.5	35.3	38.1	42.4	46.6	49.4
0.0	32.5°	15.5	18.4	19.8	22.6	25.4	28.2	31.1	35.3	41.0	45.2
0.0	35°	11.3	12.7	15.5	16.9	19.8	22.6	25.4	31.1	35.3	41.0
0.0	37.5°	5.6	8.5	11.3	14.1	16.9	19.8	22.6	28.2	33.9	38.1
0.0	40°	4.2	7.1	8.5	11.3	15.5	18.4	21.2	26.8	32.5	38.1
0.0	42.5°	2.8	4.2	5.6	9.9	12.7	16.9	21.2	26.8	32.5	38.1
0.0	45°	2.8	2.8	4.2	8.5	12.7	18.4	22.6	28.2	32.5	38.1
0.0	47.5°	2.8	4.2	5.6	11.3	14.1	18.4	22.6	26.8	32.5	36.7
0.0	50°	4.2	5.6	7.1	12.7	15.5	19.8	22.6	28.2	32.5	38.1
0.0	52.5°	2.8	4.2	5.6	11.3	15.5	21.2	25.4	31.1	36.7	41.0
0.0	55°	1.4	1.4	1.4	8.5	16.9	24.0	32.5	36.7	42.4	46.6
0.0	57.5°	0.0	0.0	0.0	5.6	16.9	26.8	36.7	42.4	48.0	52.3
0.0	60°	0.0	0.0	0.0	5.6	16.9	26.8	36.7	43.8	50.8	57.9
0.0	62.5°	0.0	0.0	0.0	5.6	14.1	22.6	31.1	42.4	55.1	66.4
0.0	65°	0.0	0.0	0.0	4.2	11.3	18.4	25.4	42.4	59.3	74.8
0.0	67.5°	0.0	0.0	0.0	4.2	11.3	16.9	24.0	42.4	59.3	77.7
	70°	0.0	0.0	0.0	4.2	11.3	18.4	25.4	42.4	59.3	76.3
	72.5°	0.0	0.0	0.0	4.2	12.7	19.8	28.2	42.4	56.5	70.6
	75°	0.0	0.0	0.0	5.6	12.7	21.2	29.7	42.4	55.1	66.4
	77.5°	0.0	0.0	0.0	4.2	12.7	19.8	28.2	41.0	53.7	65.0
	80°	4.2	2.8	2.8	7.1	12.7	18.4	24.0	36.7	50.8	63.5
	82.5°	8.5	8.5	7.1	9.9	12.7	16.9	21.2	32.5	45.2	56.5
	85°	16.9	16.9	15.5	16.9	16.9	18.4	19.8	25.4	31.1	36.7
	87.5°	22.6	22.6	21.2	21.2	21.2	19.8	19.8	19.8	19.8	18.4
	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):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
81.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2											
84.7											
79.1											
77.7											
76.3											
67.8											
42.4											
18.4											
0.0											
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REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	98.9	100.3	100.3	101.7	103.1	104.5	104.5	105.9	105.9	105.9
0.0	5°	97.4	100.3	101.7	103.1	104.5	105.9	107.3	108.7	110.2	110.2
0.0	7.5°	96.0	97.4	100.3	101.7	104.5	105.9	108.7	110.2	111.6	113.0
0.0	10°	93.2	96.0	98.9	101.7	104.5	107.3	110.2	113.0	115.8	117.2
0.0	12.5°	90.4	94.6	97.4	100.3	104.5	108.7	111.6	115.8	118.6	121.4
0.0	15°	89.0	91.8	96.0	98.9	104.5	110.2	114.4	120.0	125.7	129.9
0.0	17.5°	84.7	90.4	94.6	98.9	104.5	111.6	117.2	122.9	131.3	139.8
0.0	20°	79.1	83.3	89.0	93.2	101.7	108.7	117.2	124.3	137.0	149.7
0.0	22.5°	73.4	79.1	83.3	89.0	98.9	107.3	117.2	125.7	146.9	166.6
0.0	25°	67.8	74.8	80.5	86.1	97.4	108.7	120.0	131.3	166.6	201.9
0.0	27.5°	65.0	70.6	77.7	83.3	97.4	113.0	127.1	141.2	197.7	252.8
0.0	30°	60.7	67.8	73.4	80.5	98.9	117.2	135.6	153.9	240.1	326.2
0.0	32.5°	56.5	63.5	70.6	77.7	101.7	125.7	148.3	172.3	285.3	396.8
0.0	35°	52.3	60.7	67.8	74.8	105.9	138.4	169.5	200.5	326.2	450.5
0.0	37.5°	50.8	59.3	66.4	73.4	107.3	139.8	173.7	206.2	330.5	454.7
0.0	40°	52.3	59.3	67.8	74.8	103.1	131.3	158.2	186.4	316.3	444.8
0.0	42.5°	52.3	60.7	69.2	77.7	100.3	122.9	145.5	168.1	312.1	456.1
0.0	45°	50.8	59.3	67.8	76.3	97.4	117.2	138.4	158.2	337.5	515.4
0.0	47.5°	49.4	57.9	66.4	74.8	96.0	117.2	138.4	159.6	436.4	711.7
0.0	50°	49.4	57.9	65.0	72.0	97.4	124.3	149.7	175.1	635.5	1094.4
0.0	52.5°	52.3	59.3	65.0	70.6	100.3	131.3	161.0	190.6	807.8	1423.5
0.0	55°	56.5	60.7	66.4	70.6	107.3	142.6	179.3	214.7	860.0	1505.4
0.0	57.5°	62.1	66.4	70.6	74.8	120.0	165.2	209.0	254.2	864.3	1472.9
0.0	60°	69.2	74.8	79.1	83.3	131.3	180.8	228.8	276.8	782.4	1286.5
0.0	62.5°	84.7	91.8	97.4	104.5	151.1	196.3	242.9	288.1	649.6	1011.1
0.0	65°	97.4	103.1	108.7	114.4	159.6	206.2	251.4	296.6	550.8	804.9
0.0	67.5°	100.3	105.9	110.2	115.8	162.4	209.0	254.2	300.8	471.7	641.1
	70°	101.7	108.7	117.2	124.3	172.3	220.3	266.9	314.9	418.0	521.1
	72.5°	97.4	111.6	124.3	137.0	182.2	226.0	271.1	314.9	388.4	461.8
	75°	97.4	117.2	135.6	153.9	187.8	220.3	254.2	286.7	343.2	399.6
	77.5°	103.1	128.5	153.9	179.3	199.1	217.5	237.2	255.6	292.3	329.0
	80°	103.1	129.9	155.3	182.2	190.6	200.5	209.0	217.5	221.7	226.0
	82.5°	89.0	110.2	131.3	152.5	142.6	132.7	122.9	113.0	105.9	97.4
	85°	45.2	49.4	52.3	55.1	50.8	46.6	42.4	38.1	35.3	31.1
	87.5°	18.4	18.4	16.9	16.9	16.9	16.9	15.5	15.5	15.5	15.5
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
81.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
418.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
707.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
803.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
875.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
947.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1088.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1371.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2090.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3201.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4030.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4122.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3719.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3180.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2485.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1878.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1386.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
981.5											
730.1											
531.0											
399.6											
224.5											
101.7											
29.7											
14.1											
0.0											
0.0											
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REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	105.9	104.5	104.5	103.1	101.7	100.3	98.9	97.4	96.0	94.6
0.0	5°	110.2	110.2	110.2	108.7	108.7	107.3	107.3	105.9	104.5	103.1
0.0	7.5°	114.4	115.8	115.8	117.2	117.2	117.2	117.2	115.8	115.8	115.8
0.0	10°	121.4	122.9	124.3	125.7	127.1	128.5	128.5	129.9	129.9	129.9
0.0	12.5°	129.9	134.2	137.0	141.2	144.0	148.3	151.1	155.3	158.2	161.0
0.0	15°	142.6	149.7	158.2	165.2	172.3	182.2	193.5	203.4	213.2	228.8
0.0	17.5°	161.0	183.6	206.2	227.4	250.0	299.4	348.8	396.8	446.3	518.3
0.0	20°	196.3	264.1	330.5	398.2	464.6	638.3	810.6	984.3	1156.6	1341.6
0.0	22.5°	275.4	442.0	608.7	775.3	941.9	1304.9	1666.4	2029.3	2390.8	2815.9
0.0	25°	399.6	706.1	1012.5	1317.6	1624.0	2191.7	2760.8	3328.5	3896.2	4448.4
0.0	27.5°	581.8	1050.7	1519.5	1986.9	2455.8	3225.4	3996.5	4766.1	5535.8	6160.0
0.0	30°	806.4	1441.8	2077.3	2712.8	3348.3	4223.9	5099.4	5973.6	6849.1	7531.2
0.0	32.5°	1018.2	1796.3	2574.4	3351.1	4129.2	5126.2	6124.7	7121.7	8118.7	8864.3
0.0	35°	1156.6	2097.1	3039.0	3979.5	4920.1	5999.0	7077.9	8155.4	9234.3	10085.9
0.0	37.5°	1295.0	2380.9	3465.5	4551.5	5636.0	6820.9	8005.7	9190.5	10375.3	11427.4
0.0	40°	1450.3	2724.1	3996.5	5270.3	6542.7	7946.4	9348.7	10752.4	12154.7	13638.9
0.0	42.5°	1720.0	3293.2	4867.8	6441.0	8014.2	9871.2	11728.2	13583.8	15440.9	17559.2
0.0	45°	2227.0	4444.2	6662.7	8879.8	11097.0	13557.0	16018.5	18478.5	20938.5	23757.2
0.0	47.5°	3468.3	6518.7	9567.6	12617.9	15666.8	18323.1	20978.1	23634.4	26289.3	29096.7
0.0	50°	5307.0	8857.2	12407.5	15956.3	19506.6	21910.1	24312.2	26715.8	29117.9	31788.4
0.0	52.5°	6637.3	10335.8	14035.7	17734.3	21432.8	23601.9	25772.4	27941.6	30110.7	32606.0
0.0	55°	6737.6	10414.9	14093.6	17771.0	21448.3	23627.3	25806.3	27985.3	30164.3	32809.4
0.0	57.5°	5965.1	9612.8	13259.0	16906.7	20553.0	23034.2	25514.0	27995.2	30475.0	33334.7
0.0	60°	5074.0	8723.1	12370.8	16019.9	19667.6	22525.8	25385.5	28243.8	31102.0	33781.0
0.0	62.5°	3958.4	7712.0	11467.0	15220.6	18974.2	21876.2	24778.3	27678.9	30580.9	32590.5
0.0	65°	2950.1	6594.9	10239.8	13883.2	17528.1	19852.5	22177.0	24500.1	26824.5	28068.7
0.0	67.5°	2132.4	5275.9	8418.1	11561.6	14703.7	16367.3	18030.8	19693.0	21356.5	22308.3
	70°	1441.8	3619.4	5795.6	7973.2	10149.4	11516.4	12884.8	14251.8	15618.8	16903.9
	72.5°	998.4	2221.4	3445.7	4668.7	5891.7	7267.1	8641.2	10016.7	11390.7	12750.7
	75°	662.3	1218.7	1776.5	2332.9	2889.3	3907.5	4927.1	5945.3	6963.5	7774.1
	77.5°	470.3	636.9	804.9	971.6	1138.2	1328.9	1520.9	1711.6	1902.2	2191.7
	80°	223.1	244.3	265.5	285.3	306.4	375.6	444.8	514.0	583.2	656.7
	82.5°	105.9	114.4	122.9	129.9	138.4	145.5	152.5	159.6	166.6	159.6
	85°	28.2	28.2	29.7	29.7	29.7	29.7	29.7	29.7	29.7	28.2
	87.5°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	11.3	11.3	9.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
81.9	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1528.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3241.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6784.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8214.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9611.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10937.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12480.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15123.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19677.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26576.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31904.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34458.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35101.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35455.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36194.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36458.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34601.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29314.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23261.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18187.6											
14110.6											
8584.7											
2481.2											
730.1											
151.1											
26.8											
9.9											
0.0											
0.0											
0.0											
0.0											
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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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	2.5°	91.8	90.4	89.0	87.6	86.1	83.3	83.3	81.9	81.9
0.0	5°	100.3	98.9	97.4	96.0	96.0	94.6	93.2	93.2	91.8
0.0	7.5°	114.4	113.0	111.6	110.2	110.2	108.7	108.7	107.3	107.3
0.0	10°	131.3	131.3	131.3	131.3	131.3	129.9	129.9	129.9	128.5
0.0	12.5°	165.2	166.6	169.5	172.3	176.5	176.5	176.5	175.1	175.1
0.0	15°	261.3	276.8	288.1	299.4	309.3	331.9	329.0	324.8	322.0
0.0	17.5°	660.9	731.5	769.6	806.4	844.5	949.0	932.0	915.1	899.6
0.0	20°	1713.0	1898.0	2020.8	2143.7	2268.0	2464.3	2416.3	2368.2	2320.2
0.0	22.5°	3664.6	4089.7	4274.7	4459.7	4643.3	4880.5	4726.6	4572.7	4420.2
0.0	25°	5551.3	6103.5	6415.6	6727.7	7038.3	7173.9	6973.4	6771.4	6570.9
0.0	27.5°	7408.3	8032.5	8307.9	8581.9	8857.2	9141.1	8892.6	8642.6	8394.0
0.0	30°	8896.8	9578.9	9876.8	10173.4	10471.4	10669.1	10412.1	10153.6	9896.6
0.0	32.5°	10357.0	11102.6	11428.8	11755.1	12079.9	12363.7	12047.4	11729.6	11413.3
0.0	35°	11787.5	12639.1	13088.2	13537.2	13986.3	14250.4	13874.8	13497.7	13122.1
0.0	37.5°	13533.0	14585.1	15087.8	15590.6	16093.3	16574.9	16161.1	15745.9	15332.1
0.0	40°	16607.3	18091.5	18862.6	19635.1	20406.1	21027.5	20505.0	19982.5	19460.0
0.0	42.5°	21795.7	23914.0	25022.6	26129.7	27238.3	28208.5	27659.1	27109.8	26560.4
0.0	45°	29394.7	32213.4	33564.9	34915.0	36266.4	36975.3	36184.5	35392.3	34601.4
0.0	47.5°	34710.2	37517.6	38720.8	39924.0	41127.2	41936.4	40969.0	40001.7	39035.7
0.0	50°	37127.8	39798.3	41005.7	42211.7	43419.1	44061.7	42944.7	41826.2	40709.2
0.0	52.5°	37595.3	40090.6	41531.1	42972.9	44413.3	45271.9	43953.0	42632.6	41313.6
0.0	55°	38100.8	40745.9	42416.5	44088.5	45759.1	46948.2	45456.9	43964.3	42473.0
0.0	57.5°	39052.7	41912.3	43578.7	45243.7	46910.1	47919.8	46424.3	44927.4	43431.9
0.0	60°	39137.4	41814.9	43246.9	44680.2	46112.2	46747.7	45317.1	43885.2	42454.6
0.0	62.5°	36611.0	38620.5	39614.7	40608.9	41603.1	42293.6	40801.0	39306.9	37814.2
0.0	65°	30558.3	31802.5	32594.7	33387.0	34179.2	35002.5	33635.5	32268.5	30901.5
0.0	67.5°	24213.4	25165.2	26208.8	27252.4	28296.0	29175.8	28081.4	26985.5	25891.1
	70°	19472.7	20756.3	21929.9	23103.4	24276.9	24997.1	23898.5	22798.4	21699.7
	72.5°	15470.5	16830.5	17810.5	18789.2	19769.2	19945.8	19138.0	18330.2	17523.8
	75°	9393.9	10204.5	10224.2	10242.6	10262.4	10430.4	9761.0	9091.7	8423.7
	77.5°	2770.7	3060.2	3298.9	3536.1	3774.8	4062.9	3817.1	3570.0	3324.3
	80°	802.1	875.6	937.7	998.4	1060.6	1023.8	965.9	908.0	850.1
	82.5°	144.0	135.6	134.2	132.7	132.7	125.7	114.4	103.1	91.8
	85°	25.4	24.0	22.6	21.2	19.8	18.4	15.5	14.1	11.3
	87.5°	8.5	7.1	5.6	4.2	4.2	1.4	1.4	1.4	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: P1049259

CATALOG NUMBER: GALN-SA4C-850-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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
0.0	0.0	2.5°	80.5	79.1	79.1	79.1	79.1	77.7	77.7	77.7	77.7
0.0	0.0	5°	89.0	89.0	87.6	87.6	86.1	86.1	84.7	84.7	83.3
0.0	0.0	7.5°	104.5	103.1	101.7	100.3	98.9	96.0	94.6	93.2	93.2
0.0	0.0	10°	125.7	122.9	121.4	118.6	117.2	114.4	111.6	108.7	105.9
0.0	0.0	12.5°	165.2	159.6	155.3	149.7	144.0	139.8	134.2	129.9	124.3
0.0	0.0	15°	286.7	272.6	257.0	238.7	218.9	200.5	180.8	169.5	156.8
0.0	0.0	17.5°	732.9	659.5	584.6	523.9	463.2	403.9	343.2	299.4	255.6
0.0	0.0	20°	1865.5	1662.1	1458.8	1258.3	1056.3	855.8	653.8	552.2	450.5
0.0	0.0	22.5°	3510.7	3133.6	2755.2	2389.4	2022.3	1656.5	1290.7	1060.6	831.8
0.0	0.0	25°	5418.6	4944.1	4469.6	3868.0	3265.0	2663.4	2061.8	1687.6	1313.3
0.0	0.0	27.5°	7051.1	6504.5	5958.0	5226.5	4495.0	3763.5	3032.0	2474.2	1917.8
0.0	0.0	30°	8464.7	7877.2	7289.7	6438.2	5586.6	4735.1	3883.5	3185.9	2488.3
0.0	0.0	32.5°	9690.4	8987.2	8283.9	7405.5	6527.1	5648.8	4770.4	3914.6	3058.8
0.0	0.0	35°	11104.0	10283.6	9461.7	8487.3	7511.4	6537.0	5562.6	4596.7	3629.3
0.0	0.0	37.5°	12900.3	11893.5	10885.1	9799.2	8713.2	7628.6	6542.7	5438.3	4334.0
0.0	0.0	40°	16339.0	15039.8	13740.6	12360.9	10979.8	9600.1	8220.3	6864.6	5508.9
0.0	0.0	42.5°	22500.4	20745.1	18989.7	17153.9	15316.6	13480.8	11643.5	9731.4	7817.9
0.0	0.0	45°	29454.0	27276.4	25097.4	23037.0	20975.2	18914.9	16854.5	14230.6	11606.8
0.0	0.0	47.5°	33364.4	31013.1	28661.8	26711.5	24761.3	22811.1	20860.8	18032.2	15203.6
0.0	0.0	50°	34803.4	32409.7	30016.1	28221.2	26424.9	24630.0	22833.7	20000.8	17166.6
0.0	0.0	52.5°	35109.8	32668.2	30226.5	28420.3	26614.1	24809.3	23003.1	20188.6	17374.2
0.0	0.0	55°	35739.7	33120.1	30499.0	28440.1	26381.1	24322.1	22263.2	19403.5	16543.8
0.0	0.0	57.5°	36563.0	33877.0	31191.0	28845.4	26499.7	24155.5	21809.8	18683.3	15556.7
0.0	0.0	60°	36346.9	34009.7	31671.2	29158.9	26645.2	24132.9	21619.2	18180.5	14740.4
0.0	0.0	62.5°	32596.1	30734.9	28872.2	26806.2	24738.7	22672.7	20606.7	17066.3	13525.9
0.0	0.0	65°	26816.0	25457.5	24099.0	22436.9	20773.3	19111.1	17449.0	14274.4	11101.2
0.0	0.0	67.5°	21733.6	20202.8	18670.5	17345.9	16019.9	14695.2	13369.2	10871.0	8372.9
		70°	17266.8	15601.9	13935.5	12641.9	11346.9	10053.4	8759.8	7099.1	5439.8
		72.5°	13712.4	12211.2	10710.0	9330.3	7949.2	6569.5	5188.4	4206.9	3225.4
		75°	6554.0	5953.8	5353.6	4632.0	3910.4	3188.7	2467.1	2039.2	1612.7
		77.5°	2429.0	2105.6	1780.8	1487.0	1193.3	901.0	607.2	556.4	505.6
		80°	628.4	547.9	466.0	408.1	348.8	290.9	233.0	210.4	189.2
		82.5°	72.0	66.4	62.1	59.3	55.1	52.3	48.0	43.8	39.5
		85°	4.2	2.8	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: P1049259

CATALOG NUMBER: GALN-SA4C-850-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	81.9	81.9
0.0	0.0	2.5°	76.3	74.8
0.0	0.0	5°	80.5	79.1
0.0	0.0	7.5°	89.0	86.1
0.0	0.0	10°	97.4	94.6
0.0	0.0	12.5°	110.2	105.9
0.0	0.0	15°	124.3	115.8
0.0	0.0	17.5°	148.3	129.9
0.0	0.0	20°	200.5	153.9
0.0	0.0	22.5°	282.4	192.1
0.0	0.0	25°	415.2	265.5
0.0	0.0	27.5°	577.6	353.0
0.0	0.0	30°	768.2	442.0
0.0	0.0	32.5°	936.3	526.7
0.0	0.0	35°	1155.2	612.9
0.0	0.0	37.5°	1424.9	723.0
0.0	0.0	40°	1842.9	889.7
0.0	0.0	42.5°	2595.6	1197.5
0.0	0.0	45°	4215.4	2070.3
0.0	0.0	47.5°	6486.2	3424.6
0.0	0.0	50°	7935.1	4370.7
0.0	0.0	52.5°	8053.7	4363.7
0.0	0.0	55°	7351.9	3879.3
0.0	0.0	57.5°	6272.9	3242.4
0.0	0.0	60°	5213.8	2564.5
0.0	0.0	62.5°	4108.1	1770.9
0.0	0.0	65°	3002.3	1252.6
0.0	0.0	67.5°	2156.4	936.3
		70°	1417.8	717.4
		72.5°	923.6	584.6
		75°	621.4	484.4
		77.5°	362.9	322.0
		80°	128.5	113.0
		82.5°	24.0	16.9
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049259

CATALOG NUMBER: GALN-SA4C-850-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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

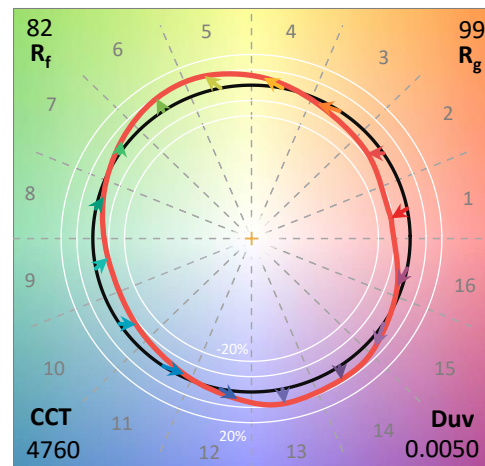
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

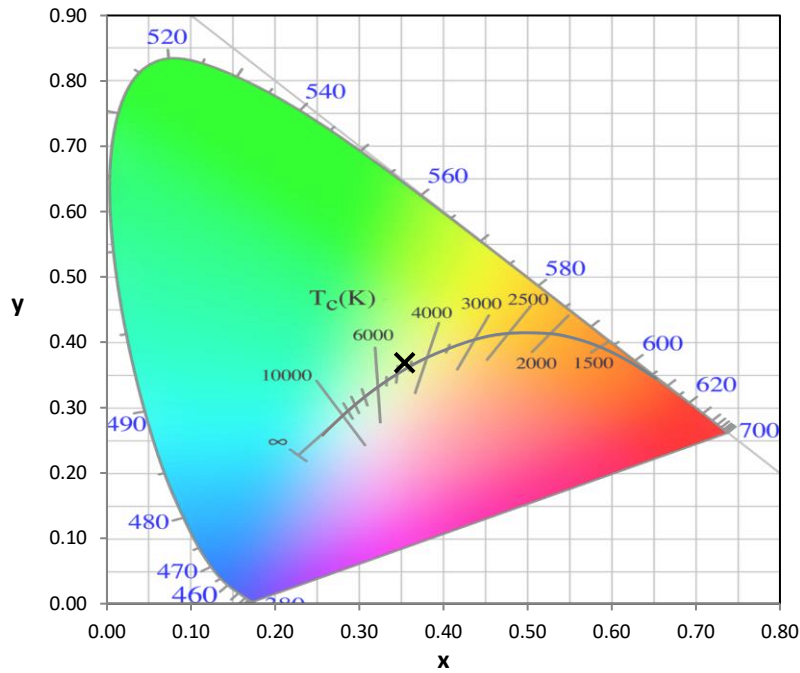
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

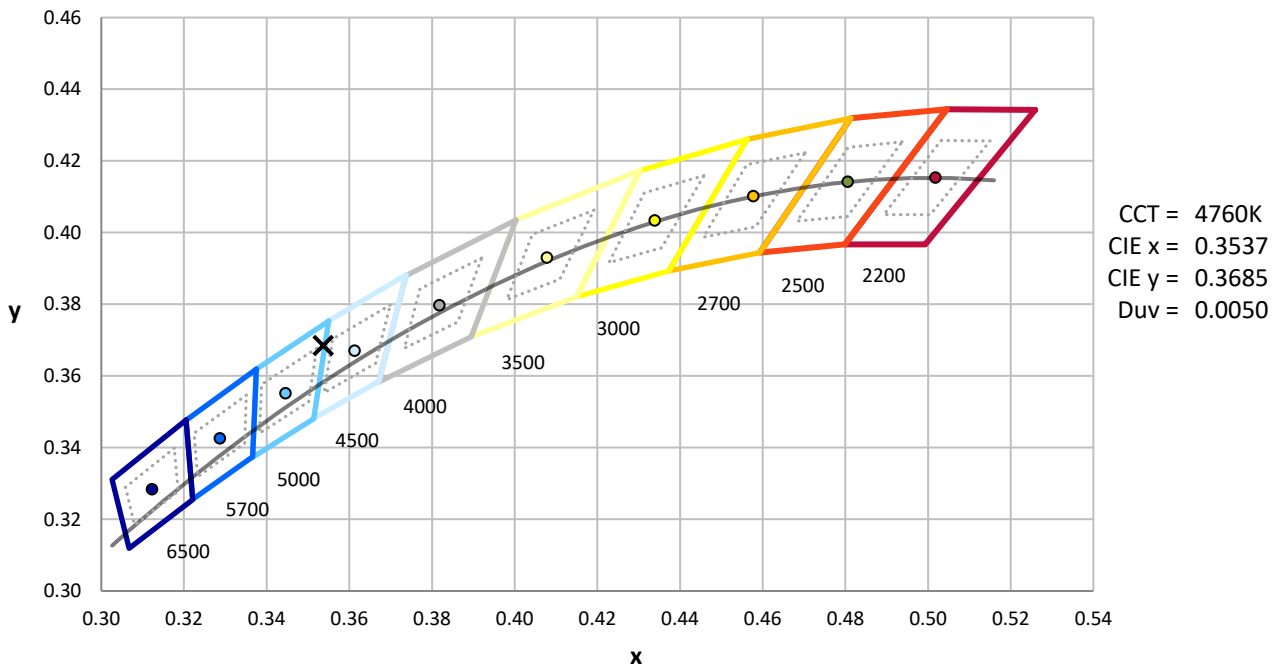
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



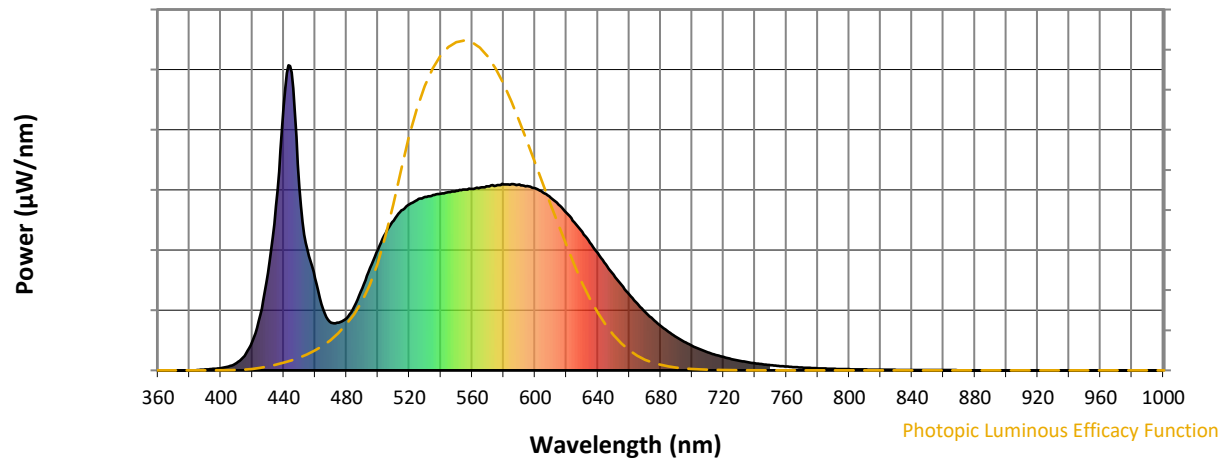
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

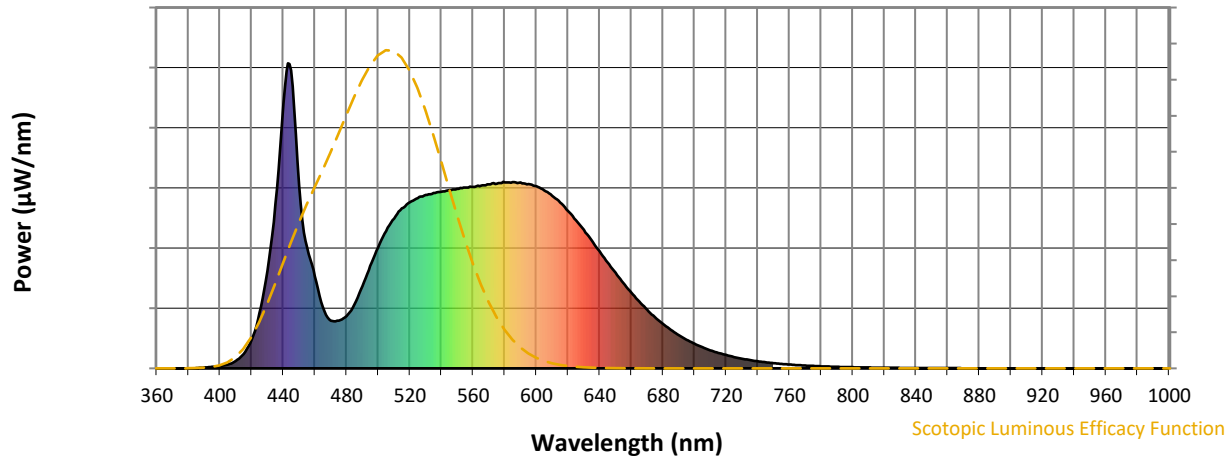


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength



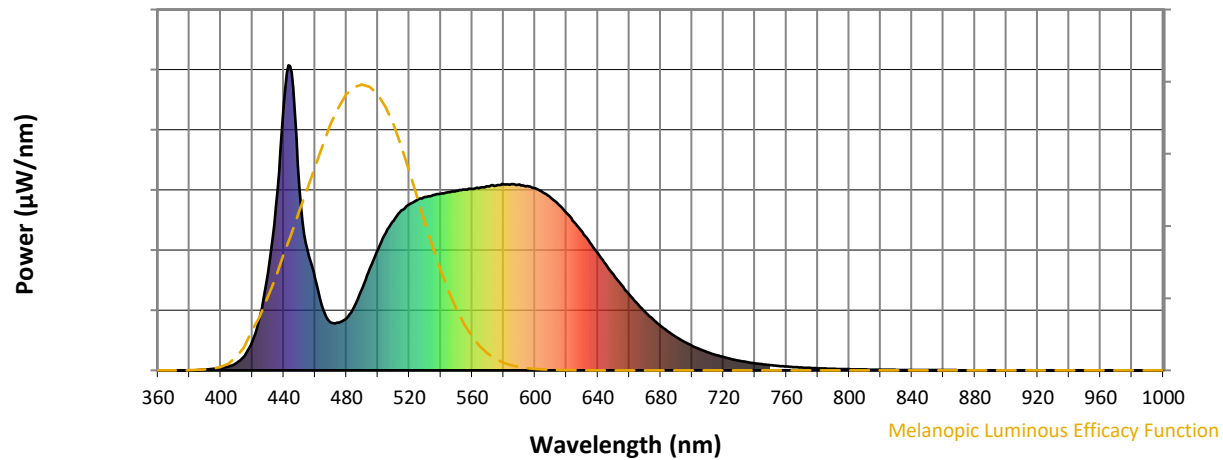
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

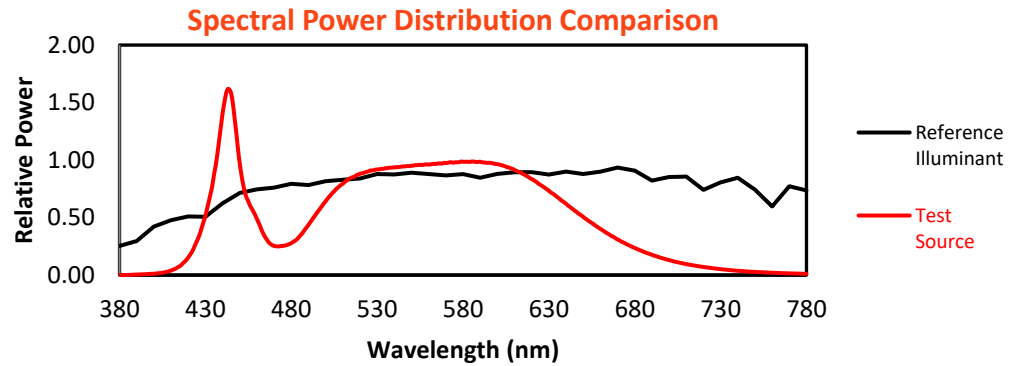
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

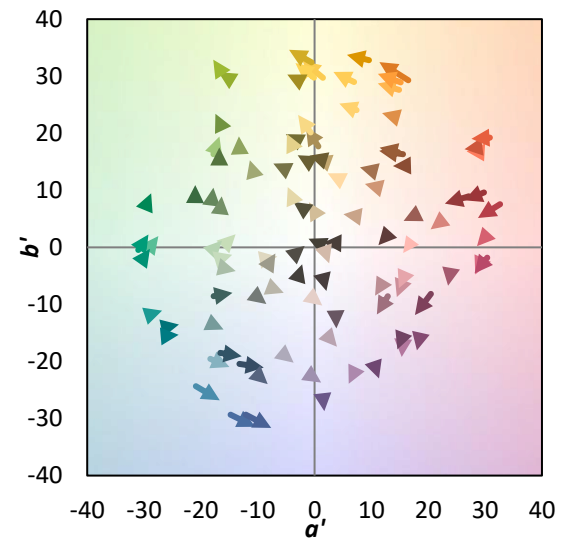
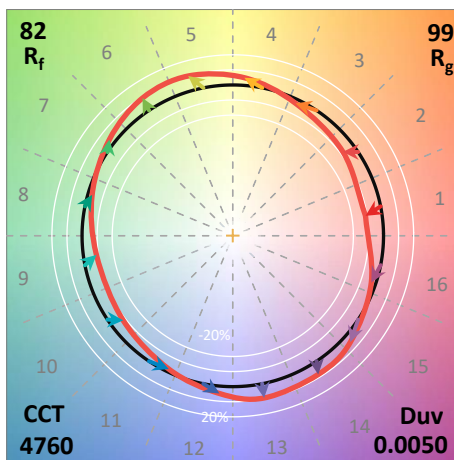
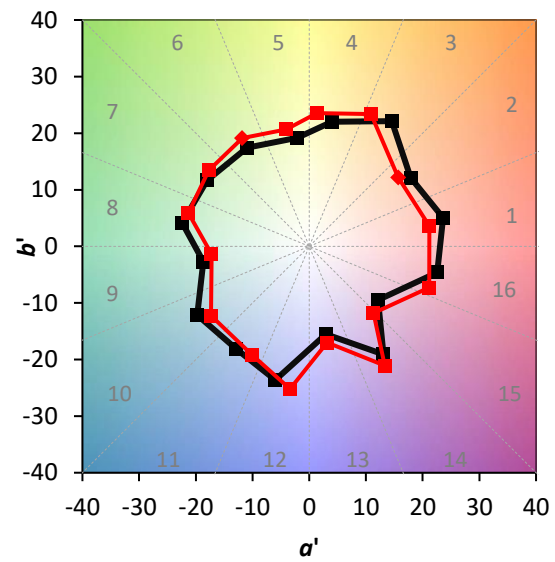
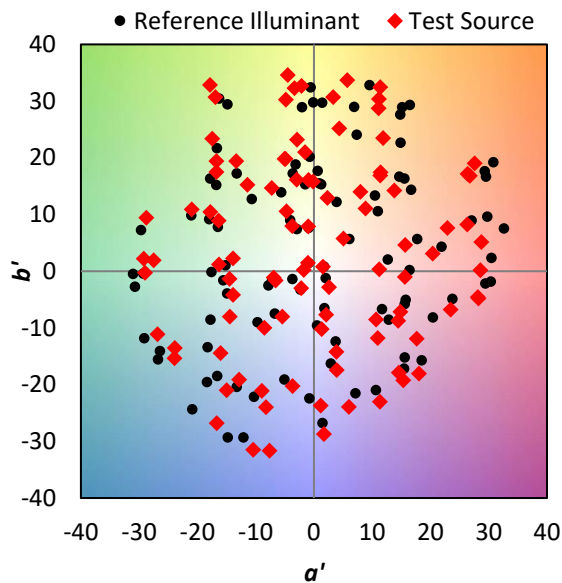
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

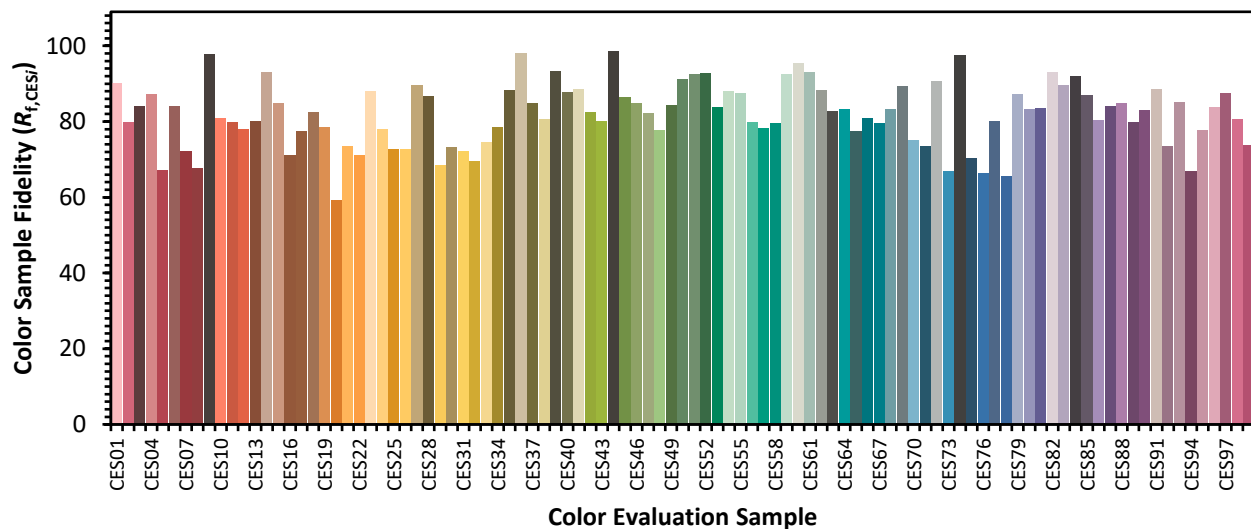


Color Vector Graphics

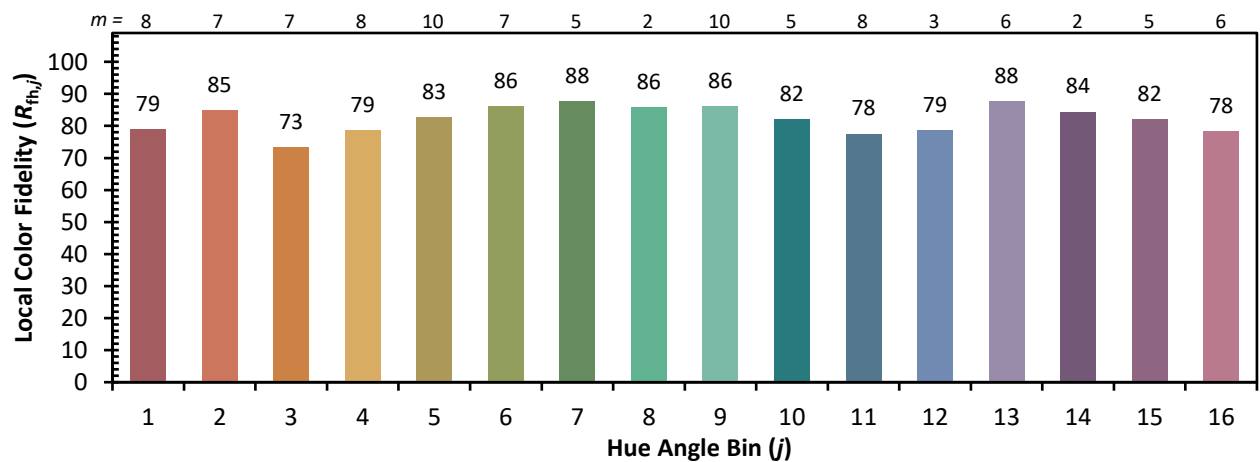
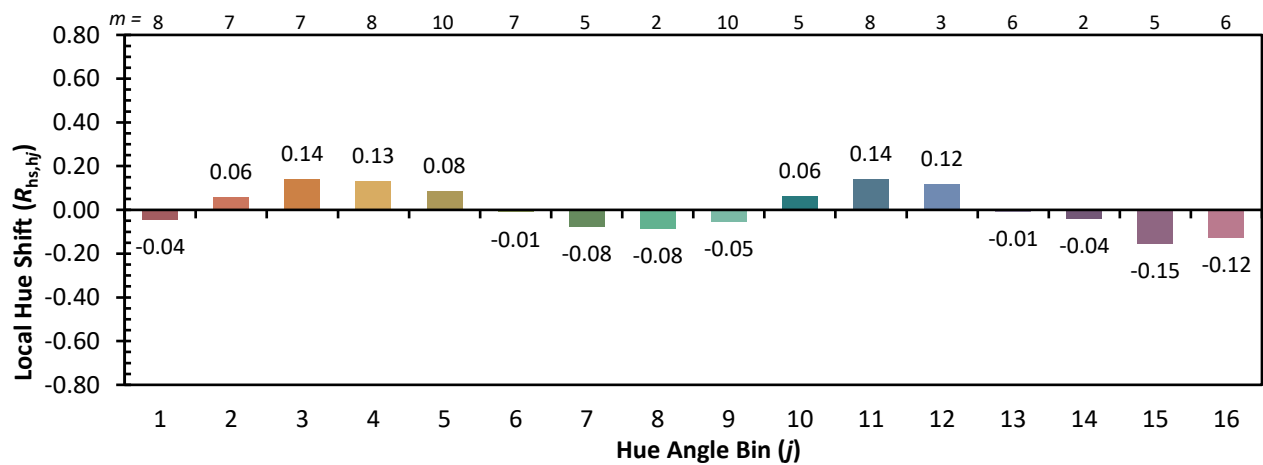
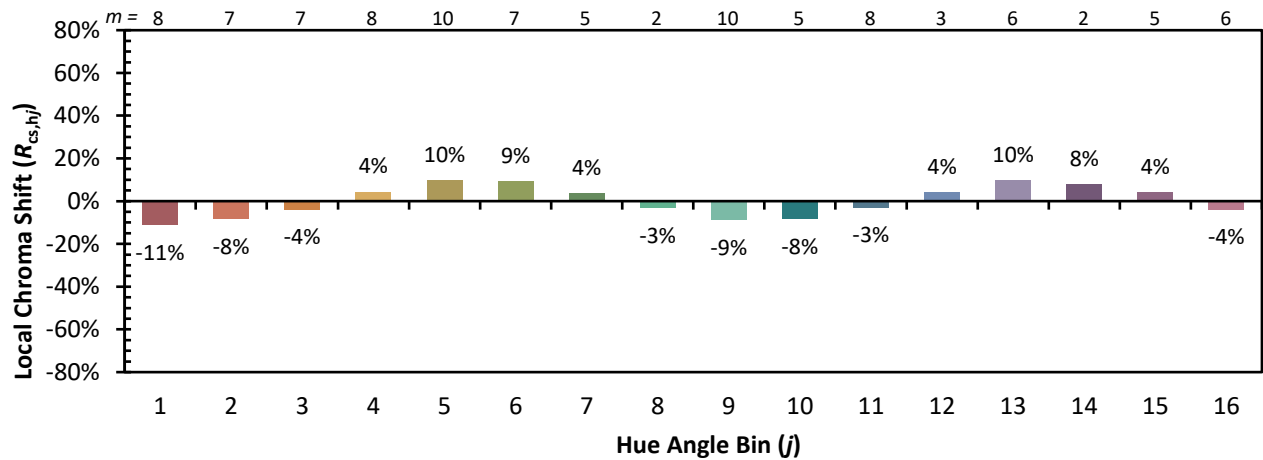


Individual Sample Fidelity Index ($R_{f,i}$)

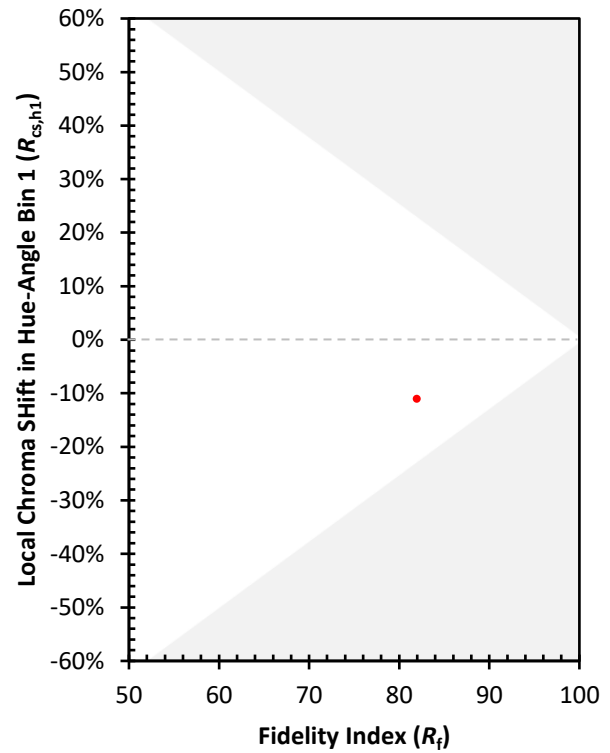
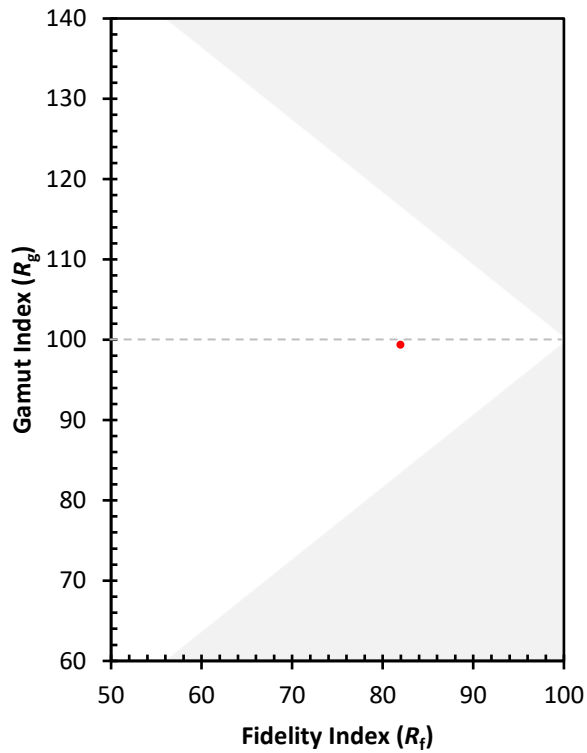
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)