

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: P1049145

Luminaire Tested: **GALN-SA3A-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049145
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8995.6 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

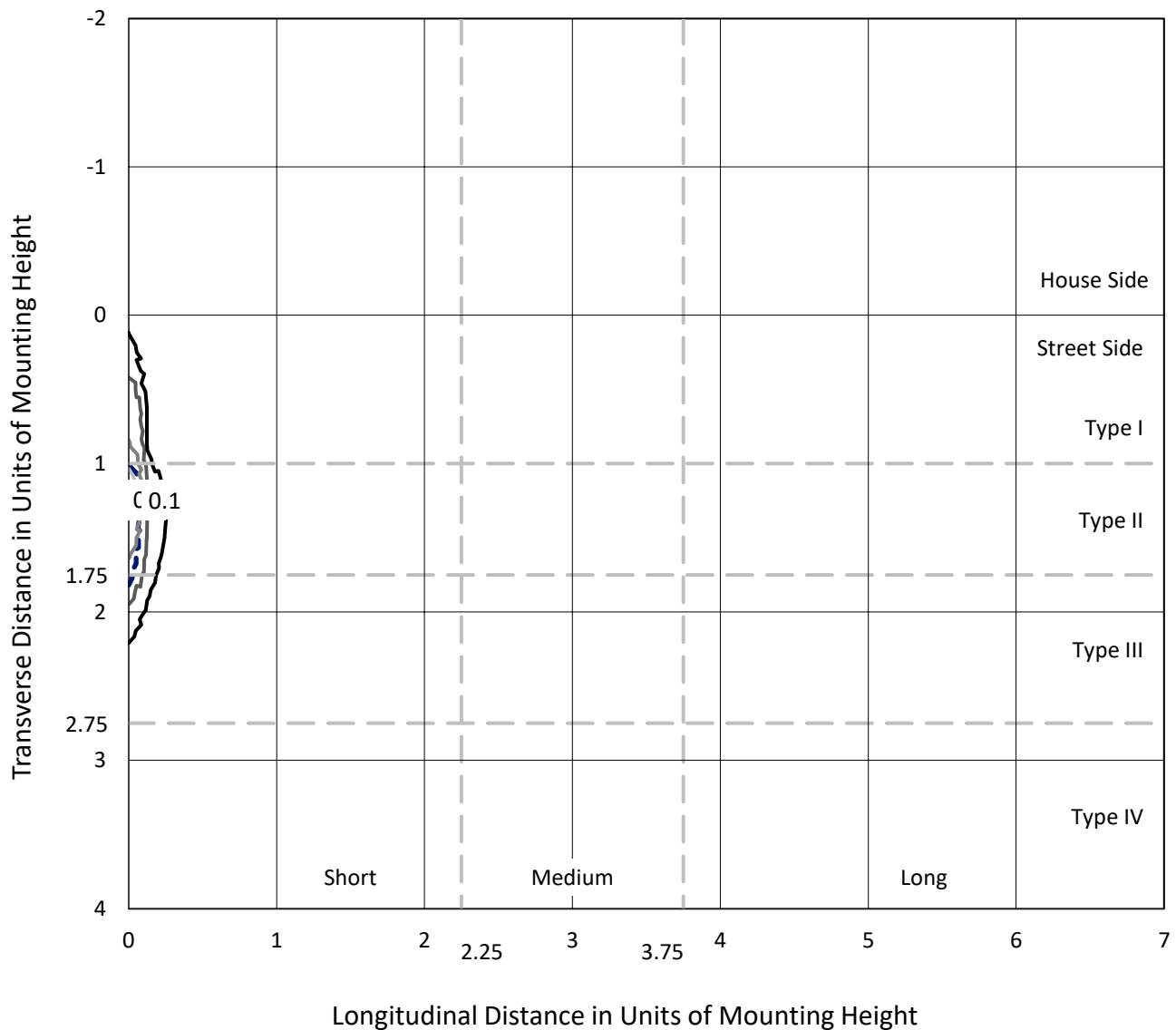
Input Watts (W): 81.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

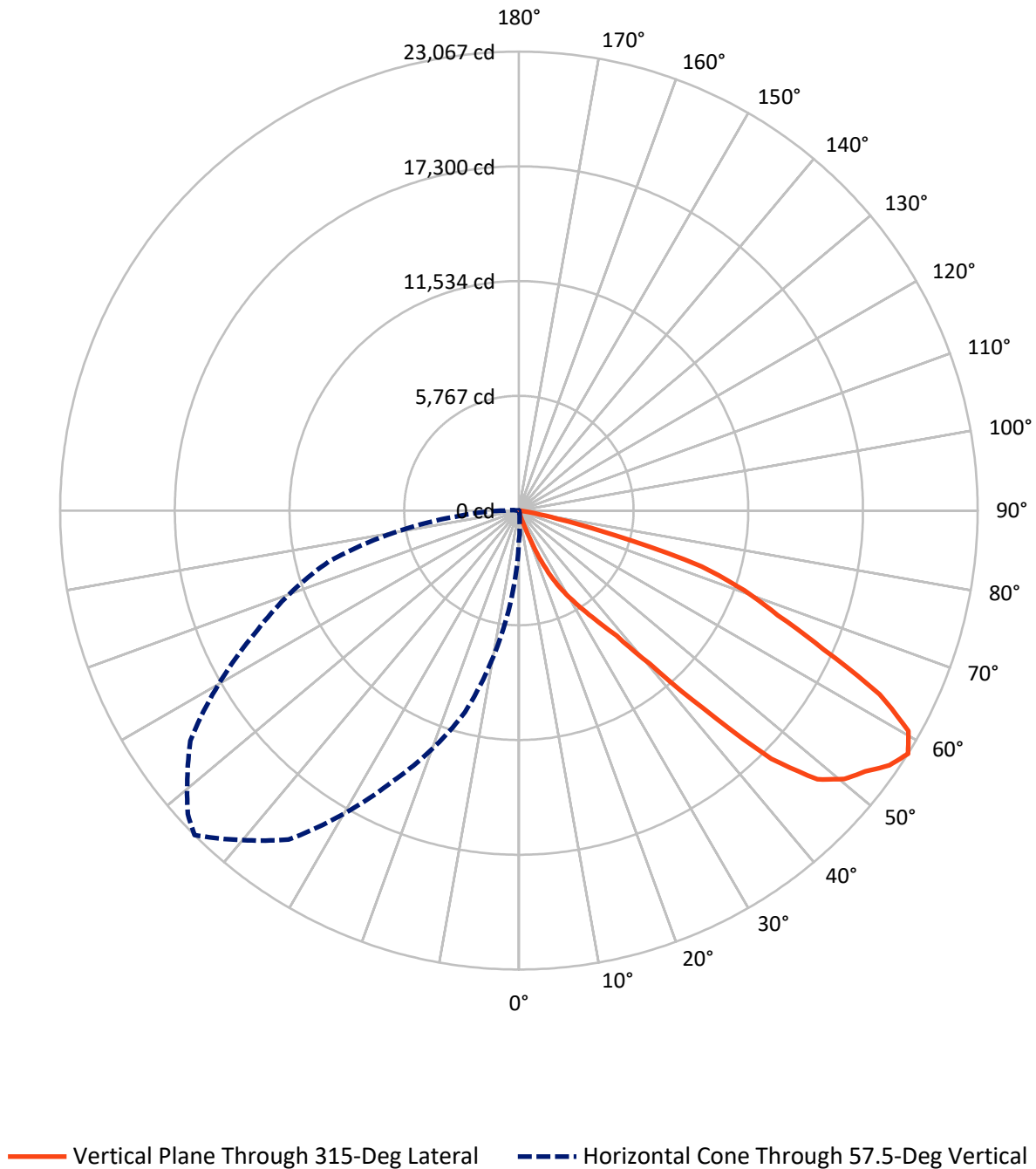
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.3 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	45.0	0.0	45.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	8950.5	0.0	8950.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	8995.6	0.0	8995.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	19.8	0.2
20°-30°	213.2	2.4
30°-40°	630.4	7.0
40°-50°	1878.8	20.9
50°-60°	2979.1	33.1
60°-70°	2486.8	27.6
70°-80°	766.8	8.5
80°-90°	17.1	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°	8995.6	100.0
0°-180°	8995.6	100.0



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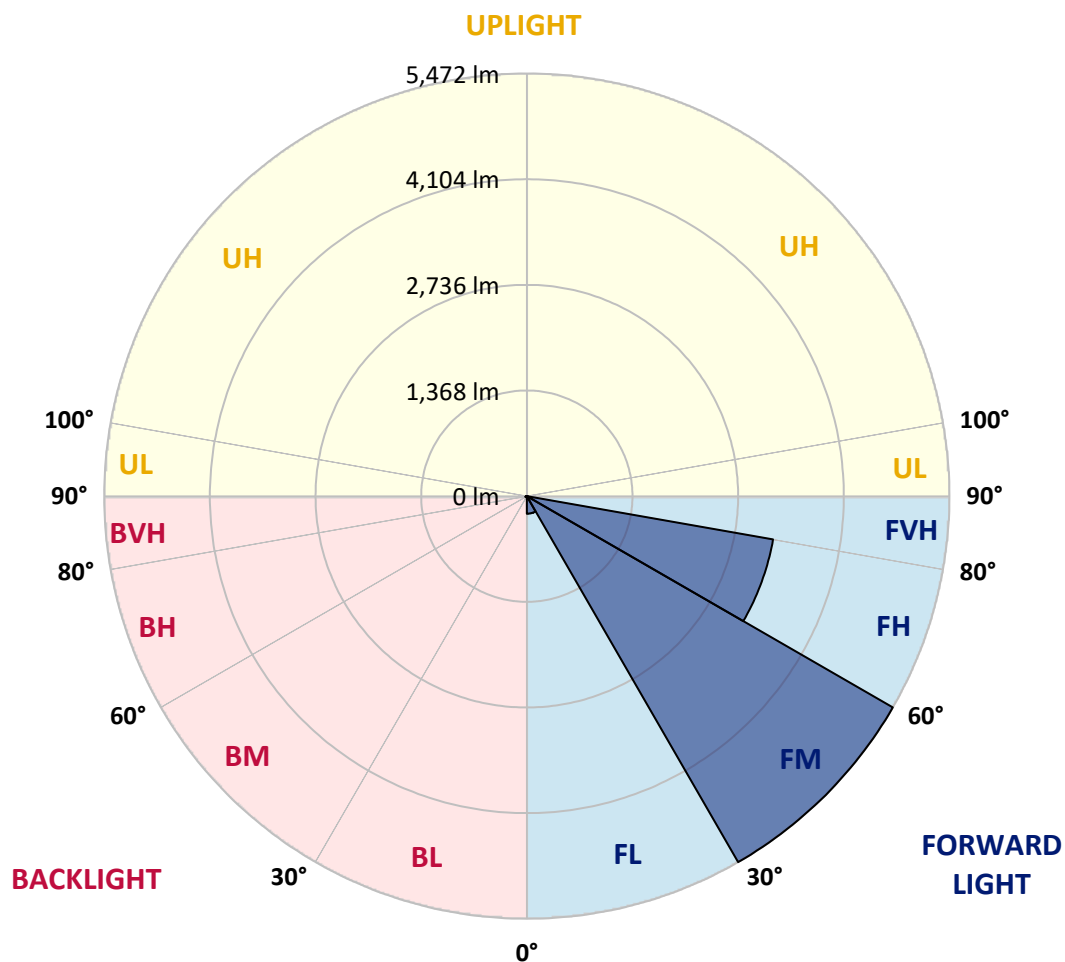
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.2	2.5			
FM	(30°-60°)	5472.3	60.8			
FH	(60°-80°)	3236.9	36.0			G2/5000
FVH	(80°-90°)	13.2	0.1			G1/100
BL	(0°-30°)	8.3	0.1	B0/110		
BM	(30°-60°)	16.1	0.2	B0/220		
BH	(60°-80°)	16.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	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°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
2.5°	36.0	36.0	36.0	36.0	35.3	35.3	34.7	34.7	34.0	34.0
5°	38.1	38.1	37.4	36.7	36.7	36.0	35.3	34.7	34.7	34.0
7.5°	41.5	40.8	40.1	39.4	38.1	37.4	36.0	35.3	34.7	33.3
10°	45.5	44.2	42.8	41.5	40.1	38.7	37.4	36.7	35.3	34.7
12.5°	51.0	48.9	46.2	44.2	42.8	40.8	39.4	38.1	36.0	34.7
15°	55.7	53.0	49.6	46.9	44.9	42.1	40.1	38.1	36.7	34.7
17.5°	62.5	57.8	52.3	48.9	46.2	42.8	39.4	37.4	35.3	32.6
20°	74.1	64.6	54.4	50.3	46.2	42.1	38.1	35.3	33.3	30.6
22.5°	92.5	76.1	59.8	53.7	48.3	42.1	36.7	34.0	31.3	28.6
25°	127.8	98.6	69.3	61.2	53.0	44.9	36.7	33.3	30.6	27.2
27.5°	169.9	126.4	82.3	70.7	59.8	48.3	36.7	32.6	29.2	25.2
30°	212.8	155.0	96.5	81.6	66.6	51.7	36.7	31.9	27.9	23.1
32.5°	253.6	181.5	108.8	91.1	73.4	55.1	37.4	31.9	26.5	21.1
35°	295.0	203.3	110.8	92.5	74.1	55.1	36.7	30.6	25.2	19.0
37.5°	348.1	227.7	106.7	88.4	70.7	52.3	34.7	29.2	23.8	17.7
40°	428.3	268.5	108.8	89.7	70.7	51.7	32.6	27.2	22.4	17.0
42.5°	576.5	347.4	117.6	95.8	74.1	51.7	29.9	25.2	21.1	16.3
45°	996.6	577.1	157.7	125.1	92.5	59.8	27.2	23.1	19.7	15.6
47.5°	1648.5	966.0	283.5	218.9	155.0	90.4	26.5	23.1	19.7	15.6
50°	2103.9	1230.4	356.9	274.6	192.4	110.1	27.9	23.8	20.4	16.3
52.5°	2100.5	1249.4	397.7	305.2	213.5	121.0	29.2	25.2	21.8	17.7
55°	1867.4	1136.6	405.2	311.3	218.2	124.4	31.3	27.2	23.1	19.0
57.5°	1560.8	965.3	369.8	286.2	203.3	119.6	36.0	31.3	27.2	22.4
60°	1234.5	761.4	288.2	227.7	167.9	107.4	47.6	41.5	36.0	29.9
62.5°	852.5	552.0	251.5	201.9	153.0	103.3	54.4	48.3	42.8	36.7
65°	603.0	415.3	227.0	184.9	143.4	101.3	59.1	52.3	46.2	39.4
67.5°	450.7	330.4	209.4	173.3	137.3	101.3	65.3	57.1	49.6	41.5
70°	345.3	271.2	196.5	167.2	138.7	109.4	80.2	68.7	57.8	46.2
72.5°	281.4	231.8	181.5	160.4	139.4	118.3	97.2	82.3	67.3	51.7
75°	233.2	198.5	163.8	146.2	129.2	111.5	93.8	80.2	67.3	53.7
77.5°	155.0	141.4	127.1	116.9	106.7	95.8	85.7	74.1	63.2	51.7
80°	54.4	52.3	50.3	54.4	58.5	62.5	66.6	58.5	51.0	42.8
82.5°	8.2	7.5	6.8	7.5	8.2	8.8	9.5	10.2	10.9	11.6
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



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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°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	33.3	33.3	32.6	32.6	32.6	31.9	31.9	31.3	31.3	31.3
0.0	5°	32.6	32.6	31.9	31.3	30.6	30.6	29.9	29.2	29.2	28.6
0.0	7.5°	31.9	31.3	30.6	29.9	29.2	28.6	27.9	27.2	27.2	26.5
0.0	10°	32.6	31.3	30.6	29.2	28.6	27.9	26.5	25.8	25.2	25.2
0.0	12.5°	31.3	30.6	29.2	27.9	27.2	25.8	25.2	23.8	23.1	23.1
0.0	15°	31.3	29.9	27.9	26.5	25.2	24.5	23.1	21.8	21.1	20.4
0.0	17.5°	29.2	27.9	25.8	24.5	23.1	21.8	20.4	19.0	18.4	17.7
0.0	20°	26.5	25.2	23.1	21.1	19.7	18.4	17.0	15.6	15.0	14.3
0.0	22.5°	23.8	22.4	20.4	18.4	17.0	15.6	13.6	12.2	11.6	10.2
0.0	25°	22.4	20.4	18.4	16.3	14.3	12.9	10.9	8.8	7.5	6.1
0.0	27.5°	19.0	17.0	15.0	12.9	10.9	8.8	6.8	4.8	3.4	2.7
0.0	30°	16.3	14.3	12.2	10.2	7.5	5.4	3.4	0.7	0.7	0.7
0.0	32.5°	13.6	11.6	8.8	6.8	5.4	3.4	2.0	0.0	0.0	0.0
0.0	35°	10.9	8.8	6.1	4.1	3.4	2.0	1.4	0.0	0.0	0.0
0.0	37.5°	9.5	7.5	4.8	2.0	1.4	1.4	0.7	0.0	0.0	0.0
0.0	40°	8.8	6.1	3.4	0.7	0.7	0.7	0.0	0.0	0.0	0.0
0.0	42.5°	8.8	6.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	8.8	6.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	8.8	6.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	9.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	10.9	8.2	5.4	2.7	2.0	1.4	0.7	0.0	0.0	0.0
0.0	55°	13.6	12.2	10.2	8.8	6.8	4.8	2.0	0.0	0.0	0.0
0.0	57.5°	17.7	17.7	17.0	16.3	12.2	8.2	4.1	0.0	0.0	0.0
0.0	60°	23.8	23.8	23.8	23.8	17.7	12.2	6.1	0.0	0.0	0.0
0.0	62.5°	29.2	27.9	25.8	24.5	18.4	12.2	6.1	0.0	0.0	0.0
0.0	65°	29.2	26.5	23.1	19.7	15.0	10.2	4.8	0.0	0.0	0.0
0.0	67.5°	27.2	21.8	15.6	10.2	7.5	5.4	2.7	0.0	0.0	0.0
	70°	27.2	19.0	10.9	2.7	2.0	1.4	0.7	0.0	0.0	0.0
	72.5°	27.2	18.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	29.9	20.4	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	29.9	20.4	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	26.5	17.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	8.8	6.1	2.7	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):

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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°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	30.6	30.6	30.6	29.9	29.9	29.9	29.9	29.2	29.2	29.2
0.0	5°	27.9	27.9	27.2	27.2	26.5	26.5	25.8	25.8	25.2	25.2
0.0	7.5°	25.8	25.2	25.2	24.5	23.8	23.8	23.1	23.1	22.4	21.8
0.0	10°	23.8	23.1	23.1	22.4	21.8	21.1	21.1	20.4	19.7	19.0
0.0	12.5°	21.8	21.1	20.4	19.7	19.0	18.4	18.4	17.7	17.0	16.3
0.0	15°	19.0	18.4	17.7	17.0	16.3	15.6	15.6	15.0	14.3	13.6
0.0	17.5°	16.3	15.6	15.6	15.0	14.3	13.6	12.9	11.6	10.9	10.2
0.0	20°	12.2	11.6	10.9	10.2	9.5	8.2	7.5	6.1	4.8	4.1
0.0	22.5°	8.2	6.8	6.1	4.8	3.4	2.7	2.0	0.7	0.0	0.0
0.0	25°	2.7	2.0	1.4	0.7	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-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	28.6	28.6	28.6	27.9	27.9	27.9	27.9	27.9	27.9	27.9
0.0	5°	24.5	24.5	24.5	23.8	23.8	23.1	23.1	23.1	22.4	22.4
0.0	7.5°	21.1	20.4	20.4	19.7	19.7	19.0	19.0	19.0	18.4	18.4
0.0	10°	17.7	17.0	17.0	16.3	16.3	15.6	15.6	15.0	15.0	14.3
0.0	12.5°	15.6	15.0	14.3	13.6	13.6	12.9	12.2	12.2	11.6	10.9
0.0	15°	12.2	11.6	10.9	10.2	9.5	8.8	8.2	8.2	7.5	6.8
0.0	17.5°	8.2	6.8	6.1	5.4	5.4	4.8	4.1	3.4	2.7	2.0
0.0	20°	2.0	1.4	0.7	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: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	27.9	27.2	27.2	27.2	27.9	27.9	27.9	27.9	27.9	27.9
0.0	5°	22.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
0.0	7.5°	18.4	17.7	17.7	17.7	17.7	17.0	17.0	17.0	17.0	17.0
0.0	10°	14.3	13.6	13.6	13.6	13.6	12.9	12.9	12.9	12.9	12.9
0.0	12.5°	10.2	10.2	9.5	9.5	9.5	8.8	8.8	8.8	8.8	8.2
0.0	15°	6.1	5.4	4.8	4.8	4.8	4.1	4.1	4.1	4.1	3.4
0.0	17.5°	1.4	1.4	0.7	0.7	0.7	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



REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	28.6	28.6	29.2	29.2	29.9	31.3	31.9	32.6	34.0	35.3
0.0	5°	22.4	23.1	23.1	23.8	24.5	25.2	25.8	26.5	27.9	29.2
0.0	7.5°	17.7	17.7	18.4	18.4	19.0	20.4	21.1	21.8	23.1	25.2
0.0	10°	13.6	13.6	14.3	14.3	15.0	16.3	17.0	17.7	19.0	21.1
0.0	12.5°	8.8	9.5	9.5	10.2	10.9	12.2	12.9	13.6	15.0	16.3
0.0	15°	4.1	4.8	4.8	5.4	6.1	7.5	8.2	8.8	10.2	12.2
0.0	17.5°	0.7	0.7	1.4	1.4	2.0	2.7	3.4	4.1	6.1	7.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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-SA3A-830-U-RBC

[illegible]



REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	37.4	38.7	40.1	41.5	42.8	44.2	44.9	46.2	46.9	47.6
0.0	5°	31.9	33.3	35.3	36.7	38.1	39.4	40.8	41.5	42.1	42.8
0.0	7.5°	27.9	29.2	31.3	32.6	34.0	35.3	36.7	38.1	38.7	39.4
0.0	10°	23.8	25.8	27.2	29.2	30.6	31.9	33.3	34.7	36.0	36.7
0.0	12.5°	19.0	21.1	23.1	24.5	26.5	28.6	29.9	31.3	32.6	34.0
0.0	15°	15.0	17.0	19.0	20.4	22.4	24.5	26.5	27.9	29.2	30.6
0.0	17.5°	10.9	12.9	15.0	16.3	18.4	20.4	21.8	23.8	25.2	26.5
0.0	20°	5.4	7.5	9.5	11.6	13.6	15.6	17.0	19.0	20.4	21.8
0.0	22.5°	0.7	2.7	4.8	6.1	8.2	10.2	11.6	13.6	15.0	16.3
0.0	25°	0.0	0.7	2.0	2.7	3.4	4.8	6.1	7.5	8.8	10.2
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.7	4.1	5.4
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	0.7
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
	85°	0.0	0.0	0.0	0.0	0.0	1.4	2.0	3.4	4.1	4.8
	87.5°	0.0	0.7	1.4	2.0	2.7	4.1	5.4	6.8	7.5	8.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
39.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
0.7											
2.7											
6.1											
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REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	48.3	48.3	48.3	48.3	47.6	47.6	47.6	46.9	46.9	46.2
0.0	5°	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.2	44.2
0.0	7.5°	40.8	41.5	42.1	42.1	42.8	42.8	42.8	42.1	42.1	41.5
0.0	10°	38.7	39.4	39.4	40.1	40.1	40.1	40.1	40.1	40.1	40.1
0.0	12.5°	36.0	36.7	37.4	37.4	38.1	38.1	38.1	38.1	37.4	37.4
0.0	15°	32.6	34.0	34.7	35.3	35.3	36.0	36.0	36.0	36.0	36.0
0.0	17.5°	29.9	31.3	31.9	32.6	32.6	33.3	33.3	34.0	34.0	34.0
0.0	20°	24.5	25.8	26.5	27.9	28.6	29.2	29.9	30.6	30.6	31.3
0.0	22.5°	19.0	20.4	21.1	22.4	23.1	23.8	24.5	25.2	25.8	26.5
0.0	25°	13.6	15.0	15.6	17.0	17.7	18.4	19.0	19.7	19.7	20.4
0.0	27.5°	7.5	8.8	10.2	10.9	12.2	12.9	13.6	14.3	15.0	15.6
0.0	30°	3.4	4.1	4.8	6.1	6.8	7.5	8.2	9.5	10.2	10.9
0.0	32.5°	0.0	0.0	0.7	2.0	2.7	3.4	4.1	4.8	4.8	5.4
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	2.7
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°	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	82.5°	3.4	4.1	4.8	4.8	5.4	5.4	5.4	5.4	4.8	4.8
	85°	6.8	7.5	8.2	8.2	8.8	8.8	8.8	8.8	8.8	8.8
	87.5°	9.5	10.2	10.9	10.9	11.6	11.6	11.6	11.6	11.6	11.6
	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: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
39.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
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REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	45.5	45.5	44.9	44.9	44.9	44.9	44.9	45.5	46.2	46.2
0.0	5°	43.5	43.5	42.8	42.8	42.8	43.5	43.5	44.2	44.9	45.5
0.0	7.5°	41.5	40.8	40.8	41.5	41.5	42.1	42.1	42.8	43.5	44.2
0.0	10°	40.1	39.4	39.4	39.4	40.1	40.1	40.8	41.5	42.1	42.8
0.0	12.5°	37.4	37.4	37.4	37.4	38.1	38.1	38.7	39.4	40.8	41.5
0.0	15°	36.0	35.3	35.3	35.3	35.3	36.0	36.0	37.4	38.7	39.4
0.0	17.5°	33.3	33.3	32.6	32.6	33.3	33.3	34.0	35.3	36.7	37.4
0.0	20°	30.6	29.9	29.2	29.2	29.9	29.9	30.6	31.9	33.3	34.0
0.0	22.5°	26.5	25.8	25.8	25.8	25.8	26.5	26.5	27.9	29.9	31.3
0.0	25°	21.1	21.8	21.8	22.4	22.4	23.1	23.8	25.2	27.2	28.6
0.0	27.5°	16.3	17.0	17.0	18.4	19.0	19.7	20.4	22.4	24.5	25.8
0.0	30°	12.2	12.9	13.6	14.3	15.6	17.0	18.4	20.4	22.4	23.8
0.0	32.5°	7.5	8.8	9.5	10.9	12.2	13.6	15.0	17.0	19.7	21.8
0.0	35°	5.4	6.1	7.5	8.2	9.5	10.9	12.2	15.0	17.0	19.7
0.0	37.5°	2.7	4.1	5.4	6.8	8.2	9.5	10.9	13.6	16.3	18.4
0.0	40°	2.0	3.4	4.1	5.4	7.5	8.8	10.2	12.9	15.6	18.4
0.0	42.5°	1.4	2.0	2.7	4.8	6.1	8.2	10.2	12.9	15.6	18.4
0.0	45°	1.4	1.4	2.0	4.1	6.1	8.8	10.9	13.6	15.6	18.4
0.0	47.5°	1.4	2.0	2.7	5.4	6.8	8.8	10.9	12.9	15.6	17.7
0.0	50°	2.0	2.7	3.4	6.1	7.5	9.5	10.9	13.6	15.6	18.4
0.0	52.5°	1.4	2.0	2.7	5.4	7.5	10.2	12.2	15.0	17.7	19.7
0.0	55°	0.7	0.7	0.7	4.1	8.2	11.6	15.6	17.7	20.4	22.4
0.0	57.5°	0.0	0.0	0.0	2.7	8.2	12.9	17.7	20.4	23.1	25.2
0.0	60°	0.0	0.0	0.0	2.7	8.2	12.9	17.7	21.1	24.5	27.9
0.0	62.5°	0.0	0.0	0.0	2.7	6.8	10.9	15.0	20.4	26.5	31.9
0.0	65°	0.0	0.0	0.0	2.0	5.4	8.8	12.2	20.4	28.6	36.0
0.0	67.5°	0.0	0.0	0.0	2.0	5.4	8.2	11.6	20.4	28.6	37.4
	70°	0.0	0.0	0.0	2.0	5.4	8.8	12.2	20.4	28.6	36.7
	72.5°	0.0	0.0	0.0	2.0	6.1	9.5	13.6	20.4	27.2	34.0
	75°	0.0	0.0	0.0	2.7	6.1	10.2	14.3	20.4	26.5	31.9
	77.5°	0.0	0.0	0.0	2.0	6.1	9.5	13.6	19.7	25.8	31.3
	80°	2.0	1.4	1.4	3.4	6.1	8.8	11.6	17.7	24.5	30.6
	82.5°	4.1	4.1	3.4	4.8	6.1	8.2	10.2	15.6	21.8	27.2
	85°	8.2	8.2	7.5	8.2	8.2	8.8	9.5	12.2	15.0	17.7
	87.5°	10.9	10.9	10.2	10.2	10.2	9.5	9.5	9.5	9.5	8.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
39.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9											
40.8											
38.1											
37.4											
36.7											
32.6											
20.4											
8.8											
0.0											
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REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	47.6	48.3	48.3	48.9	49.6	50.3	50.3	51.0	51.0	51.0
0.0	5°	46.9	48.3	48.9	49.6	50.3	51.0	51.7	52.3	53.0	53.0
0.0	7.5°	46.2	46.9	48.3	48.9	50.3	51.0	52.3	53.0	53.7	54.4
0.0	10°	44.9	46.2	47.6	48.9	50.3	51.7	53.0	54.4	55.7	56.4
0.0	12.5°	43.5	45.5	46.9	48.3	50.3	52.3	53.7	55.7	57.1	58.5
0.0	15°	42.8	44.2	46.2	47.6	50.3	53.0	55.1	57.8	60.5	62.5
0.0	17.5°	40.8	43.5	45.5	47.6	50.3	53.7	56.4	59.1	63.2	67.3
0.0	20°	38.1	40.1	42.8	44.9	48.9	52.3	56.4	59.8	65.9	72.1
0.0	22.5°	35.3	38.1	40.1	42.8	47.6	51.7	56.4	60.5	70.7	80.2
0.0	25°	32.6	36.0	38.7	41.5	46.9	52.3	57.8	63.2	80.2	97.2
0.0	27.5°	31.3	34.0	37.4	40.1	46.9	54.4	61.2	68.0	95.2	121.7
0.0	30°	29.2	32.6	35.3	38.7	47.6	56.4	65.3	74.1	115.6	157.0
0.0	32.5°	27.2	30.6	34.0	37.4	48.9	60.5	71.4	82.9	137.3	191.0
0.0	35°	25.2	29.2	32.6	36.0	51.0	66.6	81.6	96.5	157.0	216.9
0.0	37.5°	24.5	28.6	31.9	35.3	51.7	67.3	83.6	99.2	159.1	218.9
0.0	40°	25.2	28.6	32.6	36.0	49.6	63.2	76.1	89.7	152.3	214.1
0.0	42.5°	25.2	29.2	33.3	37.4	48.3	59.1	70.0	80.9	150.2	219.6
0.0	45°	24.5	28.6	32.6	36.7	46.9	56.4	66.6	76.1	162.5	248.1
0.0	47.5°	23.8	27.9	31.9	36.0	46.2	56.4	66.6	76.8	210.1	342.6
0.0	50°	23.8	27.9	31.3	34.7	46.9	59.8	72.1	84.3	305.9	526.8
0.0	52.5°	25.2	28.6	31.3	34.0	48.3	63.2	77.5	91.8	388.8	685.2
0.0	55°	27.2	29.2	31.9	34.0	51.7	68.7	86.3	103.3	414.0	724.7
0.0	57.5°	29.9	31.9	34.0	36.0	57.8	79.5	100.6	122.4	416.0	709.0
0.0	60°	33.3	36.0	38.1	40.1	63.2	87.0	110.1	133.2	376.6	619.3
0.0	62.5°	40.8	44.2	46.9	50.3	72.7	94.5	116.9	138.7	312.7	486.7
0.0	65°	46.9	49.6	52.3	55.1	76.8	99.2	121.0	142.8	265.1	387.5
0.0	67.5°	48.3	51.0	53.0	55.7	78.2	100.6	122.4	144.8	227.0	308.6
	70°	48.9	52.3	56.4	59.8	82.9	106.0	128.5	151.6	201.2	250.8
	72.5°	46.9	53.7	59.8	65.9	87.7	108.8	130.5	151.6	186.9	222.3
	75°	46.9	56.4	65.3	74.1	90.4	106.0	122.4	138.0	165.2	192.4
	77.5°	49.6	61.9	74.1	86.3	95.8	104.7	114.2	123.0	140.7	158.4
	80°	49.6	62.5	74.8	87.7	91.8	96.5	100.6	104.7	106.7	108.8
	82.5°	42.8	53.0	63.2	73.4	68.7	63.9	59.1	54.4	51.0	46.9
	85°	21.8	23.8	25.2	26.5	24.5	22.4	20.4	18.4	17.0	15.0
	87.5°	8.8	8.8	8.2	8.2	8.2	8.2	7.5	7.5	7.5	7.5
	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: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
39.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
386.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
421.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
524.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1006.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1541.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1940.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1790.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1530.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1196.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
904.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
667.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.5											
351.4											
255.6											
192.4											
108.1											
48.9											
14.3											
6.8											
0.0											
0.0											
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REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	51.0	50.3	50.3	49.6	48.9	48.3	47.6	46.9	46.2	45.5
0.0	5°	53.0	53.0	53.0	52.3	52.3	51.7	51.7	51.0	50.3	49.6
0.0	7.5°	55.1	55.7	55.7	56.4	56.4	56.4	56.4	55.7	55.7	55.7
0.0	10°	58.5	59.1	59.8	60.5	61.2	61.9	61.9	62.5	62.5	62.5
0.0	12.5°	62.5	64.6	65.9	68.0	69.3	71.4	72.7	74.8	76.1	77.5
0.0	15°	68.7	72.1	76.1	79.5	82.9	87.7	93.1	97.9	102.6	110.1
0.0	17.5°	77.5	88.4	99.2	109.4	120.3	144.1	167.9	191.0	214.8	249.5
0.0	20°	94.5	127.1	159.1	191.7	223.6	307.3	390.2	473.8	556.7	645.8
0.0	22.5°	132.6	212.8	293.0	373.2	453.4	628.1	802.1	976.9	1150.9	1355.5
0.0	25°	192.4	339.9	487.4	634.2	781.8	1055.0	1329.0	1602.3	1875.5	2141.3
0.0	27.5°	280.1	505.8	731.5	956.5	1182.1	1552.6	1923.8	2294.3	2664.8	2965.2
0.0	30°	388.2	694.1	1000.0	1305.9	1611.8	2033.2	2454.7	2875.5	3297.0	3625.3
0.0	32.5°	490.1	864.7	1239.3	1613.1	1987.7	2467.6	2948.2	3428.2	3908.1	4267.0
0.0	35°	556.7	1009.5	1462.9	1915.6	2368.4	2887.7	3407.1	3925.8	4445.1	4855.0
0.0	37.5°	623.4	1146.1	1668.2	2191.0	2713.0	3283.4	3853.7	4424.1	4994.4	5500.8
0.0	40°	698.1	1311.3	1923.8	2537.0	3149.5	3825.2	4500.2	5175.9	5850.9	6565.4
0.0	42.5°	828.0	1585.3	2343.2	3100.5	3857.8	4751.7	5645.6	6538.9	7432.8	8452.5
0.0	45°	1072.0	2139.3	3207.2	4274.5	5341.8	6526.0	7710.8	8895.0	10079.2	11436.1
0.0	47.5°	1669.6	3137.9	4605.6	6073.9	7541.6	8820.2	10098.2	11376.9	12654.9	14006.3
0.0	50°	2554.6	4263.6	5972.6	7680.9	9389.9	10546.9	11703.2	12860.2	14016.5	15302.0
0.0	52.5°	3195.0	4975.4	6756.4	8536.8	10317.1	11361.3	12406.1	13450.3	14494.4	15695.6
0.0	55°	3243.3	5013.4	6784.3	8554.4	10324.6	11373.5	12422.4	13471.3	14520.3	15793.5
0.0	57.5°	2871.4	4627.3	6382.5	8138.4	9893.6	11088.0	12281.7	13476.1	14669.8	16046.4
0.0	60°	2442.5	4199.0	5954.9	7711.5	9467.4	10843.3	12219.9	13595.7	14971.6	16261.2
0.0	62.5°	1905.4	3712.3	5519.9	7326.7	9133.6	10530.6	11927.5	13323.8	14720.8	15688.1
0.0	65°	1420.1	3174.6	4929.1	6683.0	8437.5	9556.4	10675.4	11793.6	12912.6	13511.4
0.0	67.5°	1026.5	2539.7	4052.2	5565.4	7077.9	7878.7	8679.5	9479.6	10280.4	10738.6
	70°	694.1	1742.3	2789.8	3838.1	4885.6	5543.7	6202.4	6860.4	7518.4	8137.1
	72.5°	480.6	1069.3	1658.7	2247.4	2836.1	3498.2	4159.6	4821.7	5483.2	6137.8
	75°	318.8	586.7	855.2	1123.0	1390.8	1881.0	2371.8	2861.9	3352.0	3742.2
	77.5°	226.4	306.6	387.5	467.7	547.9	639.7	732.1	823.9	915.7	1055.0
	80°	107.4	117.6	127.8	137.3	147.5	180.8	214.1	247.4	280.8	316.1
	82.5°	51.0	55.1	59.1	62.5	66.6	70.0	73.4	76.8	80.2	76.8
	85°	13.6	13.6	14.3	14.3	14.3	14.3	14.3	14.3	14.3	13.6
	87.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.4	5.4	4.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
39.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
735.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1560.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2407.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3265.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3954.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4626.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5265.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6008.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7279.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9472.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12792.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15357.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16587.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16896.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17067.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17422.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17550.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16656.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14111.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11197.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8755.0											
6792.4											
4132.4											
1194.4											
351.4											
72.7											
12.9											
4.8											
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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CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	2.5°	44.2	43.5	42.8	42.1	41.5	40.1	40.1	39.4	39.4
0.0	5°	48.3	47.6	46.9	46.2	46.2	45.5	44.9	44.9	44.2
0.0	7.5°	55.1	54.4	53.7	53.0	53.0	52.3	52.3	51.7	51.7
0.0	10°	63.2	63.2	63.2	63.2	63.2	62.5	62.5	62.5	61.9
0.0	12.5°	79.5	80.2	81.6	82.9	85.0	85.0	85.0	84.3	84.3
0.0	15°	125.8	133.2	138.7	144.1	148.9	159.7	158.4	156.4	155.0
0.0	17.5°	318.1	352.1	370.5	388.2	406.5	456.8	448.7	440.5	433.0
0.0	20°	824.6	913.6	972.8	1031.9	1091.7	1186.2	1163.1	1140.0	1116.9
0.0	22.5°	1764.0	1968.7	2057.7	2146.8	2235.1	2349.3	2275.2	2201.2	2127.7
0.0	25°	2672.2	2938.0	3088.3	3238.5	3388.1	3453.3	3356.8	3259.6	3163.0
0.0	27.5°	3566.2	3866.6	3999.2	4131.1	4263.6	4400.3	4280.6	4160.3	4040.7
0.0	30°	4282.7	4611.0	4754.4	4897.2	5040.6	5135.8	5012.1	4887.7	4763.9
0.0	32.5°	4985.6	5344.5	5501.5	5658.5	5814.9	5951.5	5799.3	5646.3	5494.0
0.0	35°	5674.2	6084.1	6300.3	6516.4	6732.6	6859.7	6678.9	6497.4	6316.6
0.0	37.5°	6514.4	7020.8	7262.8	7504.8	7746.9	7978.7	7779.5	7579.6	7380.4
0.0	40°	7994.3	8708.8	9079.9	9451.8	9822.9	10122.0	9870.5	9619.0	9367.5
0.0	42.5°	10491.8	11511.5	12045.1	12578.1	13111.7	13578.7	13314.3	13049.9	12785.4
0.0	45°	14149.8	15506.6	16157.2	16807.1	17457.6	17798.9	17418.2	17036.8	16656.1
0.0	47.5°	16708.5	18059.9	18639.1	19218.3	19797.4	20187.0	19721.3	19255.6	18790.7
0.0	50°	17872.3	19157.8	19739.0	20319.5	20900.7	21210.0	20672.3	20133.9	19596.2
0.0	52.5°	18097.3	19298.5	19991.9	20685.9	21379.3	21792.6	21157.7	20522.1	19887.2
0.0	55°	18340.7	19613.9	20418.1	21223.0	22027.1	22599.5	21881.7	21163.1	20445.3
0.0	57.5°	18798.8	20175.4	20977.5	21779.0	22581.2	23067.2	22347.3	21626.7	20906.9
0.0	60°	18839.6	20128.5	20817.8	21507.8	22197.1	22503.0	21814.4	21125.1	20436.4
0.0	62.5°	17623.5	18590.8	19069.4	19548.0	20026.5	20358.9	19640.4	18921.2	18202.7
0.0	65°	14709.9	15308.8	15690.2	16071.5	16452.9	16849.2	16191.2	15533.1	14875.1
0.0	67.5°	11655.6	12113.8	12616.2	13118.5	13620.9	14044.4	13517.6	12990.1	12463.2
	70°	9373.6	9991.5	10556.4	11121.3	11686.2	12032.9	11504.0	10974.5	10445.6
	72.5°	7447.1	8101.7	8573.5	9044.6	9516.3	9601.3	9212.5	8823.6	8435.5
	75°	4521.9	4912.1	4921.7	4930.5	4940.0	5020.9	4698.7	4376.5	4054.9
	77.5°	1333.7	1473.1	1588.0	1702.2	1817.1	1955.7	1837.5	1718.5	1600.2
	80°	386.1	421.5	451.4	480.6	510.5	492.8	465.0	437.1	409.2
	82.5°	69.3	65.3	64.6	63.9	63.9	60.5	55.1	49.6	44.2
	85°	12.2	11.6	10.9	10.2	9.5	8.8	7.5	6.8	5.4
	87.5°	4.1	3.4	2.7	2.0	2.0	0.7	0.7	0.7	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

CATALOG NUMBER: GALN-SA3A-830-U-RBC

[illegible]

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
0.0	0.0	2.5°	38.7	38.1	38.1	38.1	38.1	37.4	37.4	37.4	37.4
0.0	0.0	5°	42.8	42.8	42.1	42.1	41.5	41.5	40.8	40.8	40.1
0.0	0.0	7.5°	50.3	49.6	48.9	48.3	47.6	46.2	45.5	44.9	44.9
0.0	0.0	10°	60.5	59.1	58.5	57.1	56.4	55.1	53.7	52.3	51.0
0.0	0.0	12.5°	79.5	76.8	74.8	72.1	69.3	67.3	64.6	62.5	59.8
0.0	0.0	15°	138.0	131.2	123.7	114.9	105.4	96.5	87.0	81.6	75.5
0.0	0.0	17.5°	352.8	317.5	281.4	252.2	223.0	194.4	165.2	144.1	123.0
0.0	0.0	20°	898.0	800.1	702.2	605.7	508.5	412.0	314.7	265.8	216.9
0.0	0.0	22.5°	1690.0	1508.4	1326.3	1150.2	973.5	797.4	621.3	510.5	400.4
0.0	0.0	25°	2608.3	2379.9	2151.5	1861.9	1571.7	1282.1	992.5	812.3	632.2
0.0	0.0	27.5°	3394.2	3131.1	2868.0	2515.9	2163.8	1811.6	1459.5	1191.0	923.2
0.0	0.0	30°	4074.6	3791.9	3509.1	3099.1	2689.2	2279.3	1869.4	1533.6	1197.8
0.0	0.0	32.5°	4664.7	4326.2	3987.6	3564.8	3142.0	2719.1	2296.3	1884.4	1472.4
0.0	0.0	35°	5345.2	4950.2	4554.6	4085.5	3615.8	3146.7	2677.7	2212.7	1747.1
0.0	0.0	37.5°	6209.9	5725.2	5239.8	4717.0	4194.3	3672.2	3149.5	2617.9	2086.3
0.0	0.0	40°	7865.1	7239.7	6614.3	5950.2	5285.3	4621.2	3957.0	3304.4	2651.8
0.0	0.0	42.5°	10831.0	9986.1	9141.1	8257.4	7373.0	6489.2	5604.8	4684.4	3763.3
0.0	0.0	45°	14178.3	13130.1	12081.2	11089.4	10096.9	9105.1	8113.3	6850.2	5587.2
0.0	0.0	47.5°	16060.6	14928.8	13797.0	12858.2	11919.4	10980.6	10041.8	8680.2	7318.6
0.0	0.0	50°	16753.4	15601.1	14448.9	13584.9	12720.2	11856.2	10991.5	9627.8	8263.5
0.0	0.0	52.5°	16900.9	15725.5	14550.2	13680.7	12811.3	11942.5	11073.1	9718.2	8363.4
0.0	0.0	55°	17204.1	15943.0	14681.4	13690.2	12699.1	11708.0	10716.8	9340.3	7963.7
0.0	0.0	57.5°	17600.4	16307.4	15014.5	13885.3	12756.2	11627.8	10498.6	8993.6	7488.5
0.0	0.0	60°	17496.4	16371.3	15245.6	14036.2	12826.2	11616.9	10406.9	8751.6	7095.6
0.0	0.0	62.5°	15690.8	14794.9	13898.2	12903.7	11908.5	10914.0	9919.5	8215.2	6511.0
0.0	0.0	65°	12908.5	12254.5	11600.6	10800.5	9999.7	9199.6	8399.4	6871.3	5343.8
0.0	0.0	67.5°	10461.9	9725.0	8987.5	8349.8	7711.5	7073.9	6435.5	5233.0	4030.5
		70°	8311.8	7510.3	6708.1	6085.5	5462.1	4839.4	4216.7	3417.3	2618.5
		72.5°	6600.7	5878.1	5155.5	4491.4	3826.5	3162.4	2497.5	2025.1	1552.6
		75°	3154.9	2866.0	2577.1	2229.7	1882.3	1535.0	1187.6	981.6	776.3
		77.5°	1169.2	1013.6	857.2	715.8	574.4	433.7	292.3	267.8	243.4
		80°	302.5	263.8	224.3	196.5	167.9	140.0	112.2	101.3	91.1
		82.5°	34.7	31.9	29.9	28.6	26.5	25.2	23.1	21.1	19.0
		85°	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	39.4	39.4
0.0	0.0	2.5°	36.7	36.0
0.0	0.0	5°	38.7	38.1
0.0	0.0	7.5°	42.8	41.5
0.0	0.0	10°	46.9	45.5
0.0	0.0	12.5°	53.0	51.0
0.0	0.0	15°	59.8	55.7
0.0	0.0	17.5°	71.4	62.5
0.0	0.0	20°	96.5	74.1
0.0	0.0	22.5°	136.0	92.5
0.0	0.0	25°	199.9	127.8
0.0	0.0	27.5°	278.0	169.9
0.0	0.0	30°	369.8	212.8
0.0	0.0	32.5°	450.7	253.6
0.0	0.0	35°	556.1	295.0
0.0	0.0	37.5°	685.9	348.1
0.0	0.0	40°	887.1	428.3
0.0	0.0	42.5°	1249.4	576.5
0.0	0.0	45°	2029.2	996.6
0.0	0.0	47.5°	3122.3	1648.5
0.0	0.0	50°	3819.7	2103.9
0.0	0.0	52.5°	3876.8	2100.5
0.0	0.0	55°	3539.0	1867.4
0.0	0.0	57.5°	3019.6	1560.8
0.0	0.0	60°	2509.8	1234.5
0.0	0.0	62.5°	1977.5	852.5
0.0	0.0	65°	1445.2	603.0
0.0	0.0	67.5°	1038.0	450.7
		70°	682.5	345.3
		72.5°	444.6	281.4
		75°	299.1	233.2
		77.5°	174.7	155.0
		80°	61.9	54.4
		82.5°	11.6	8.2
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049145

CATALOG NUMBER: GALN-SA3A-830-U-RBC

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

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

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

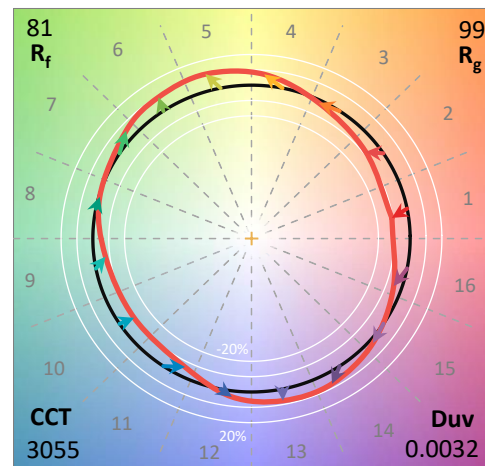
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

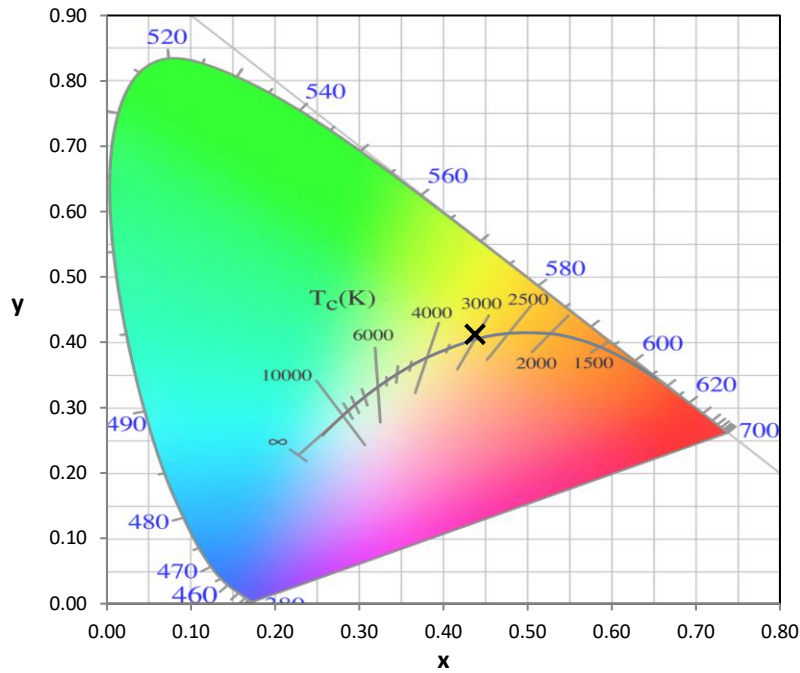
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

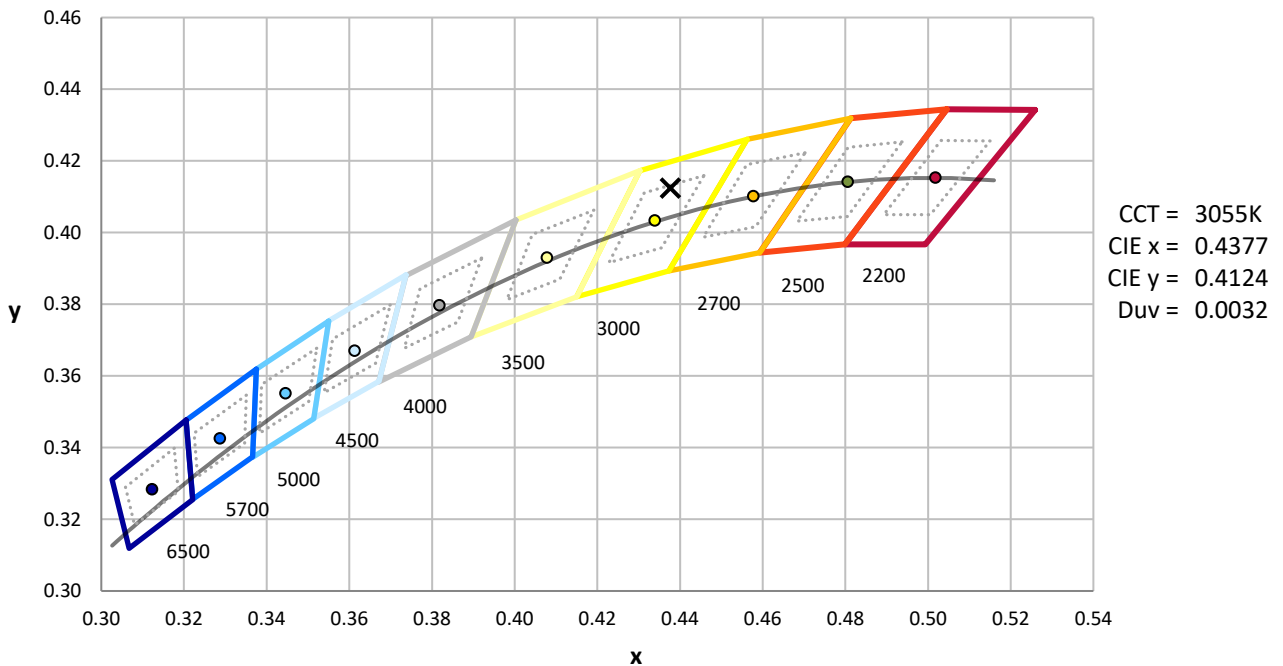
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



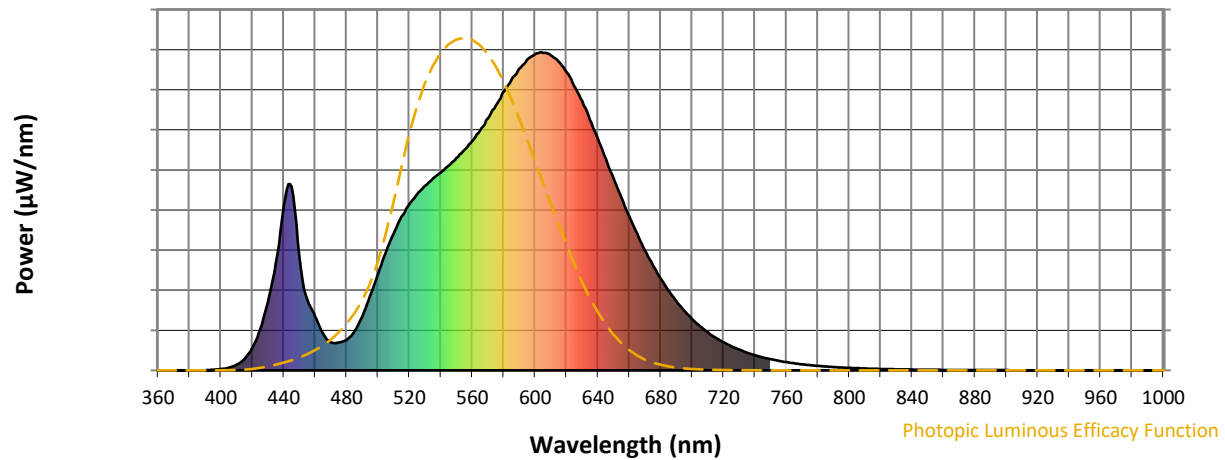
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

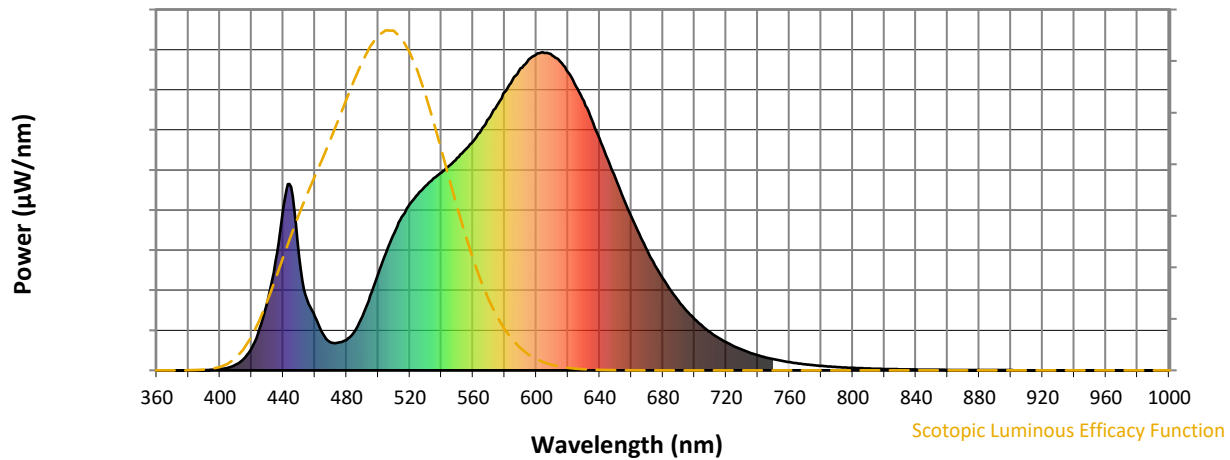


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



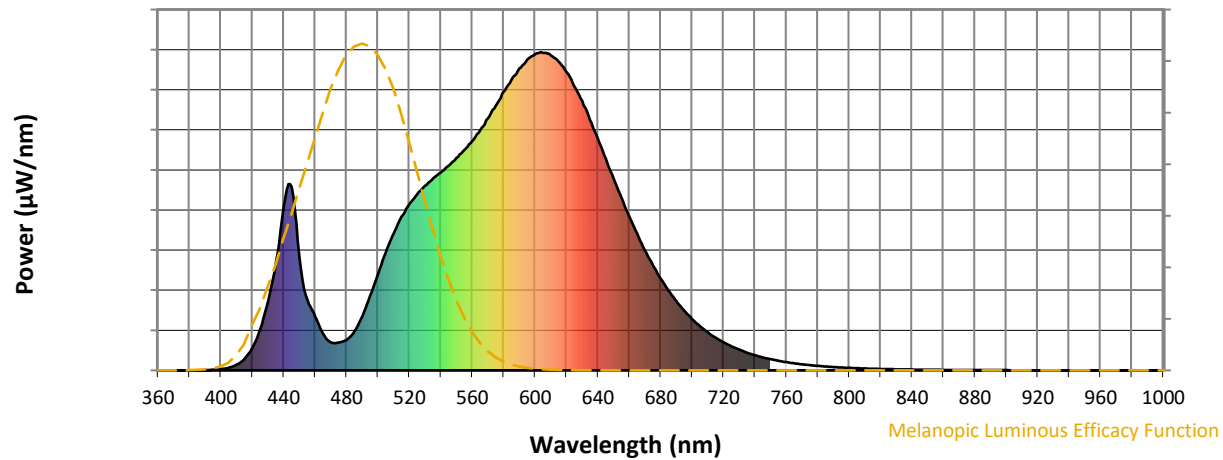
Scotopic Lumens: NR

S/P: 1.28

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

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

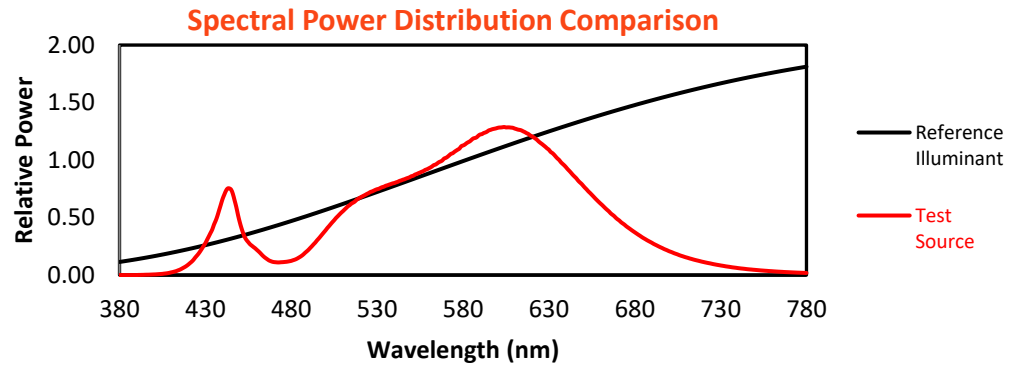
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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

REPORT NUMBER: SP1-2407-184-9

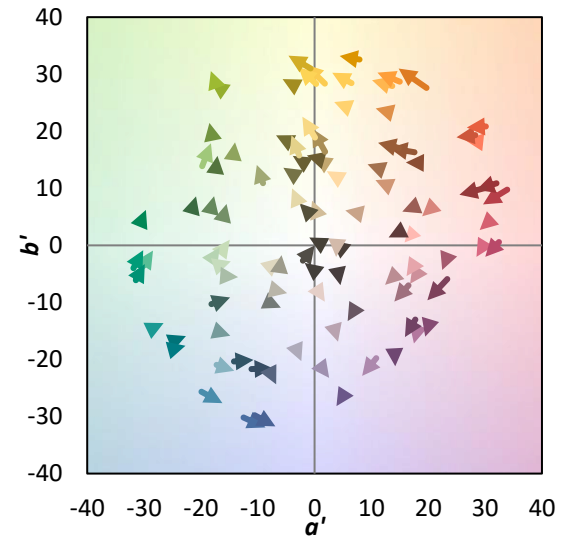
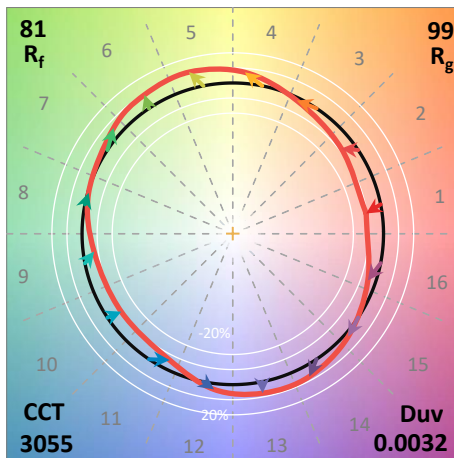
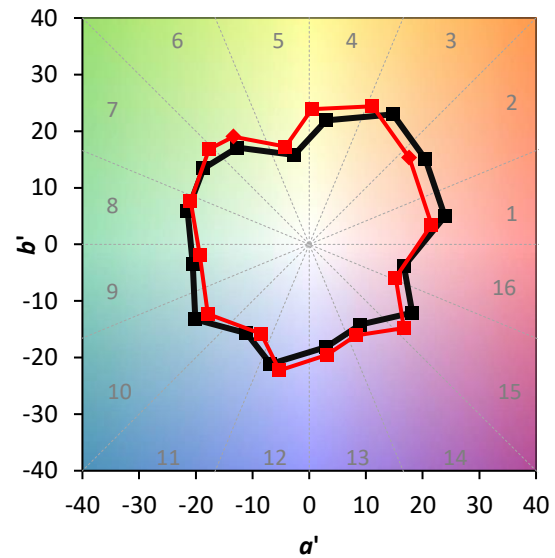
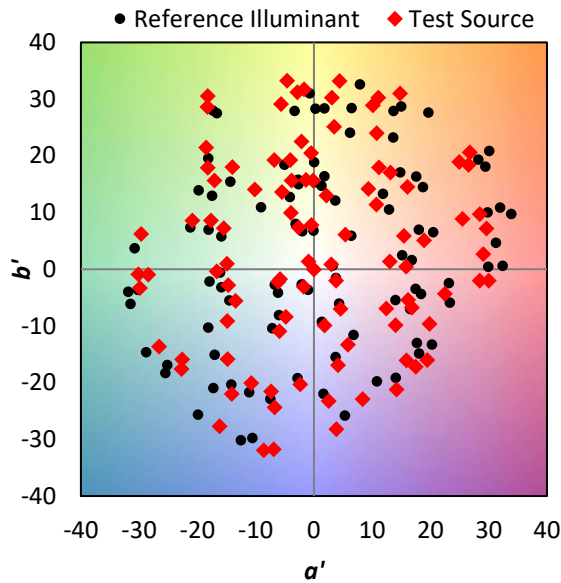
TM-30-18

Summary

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

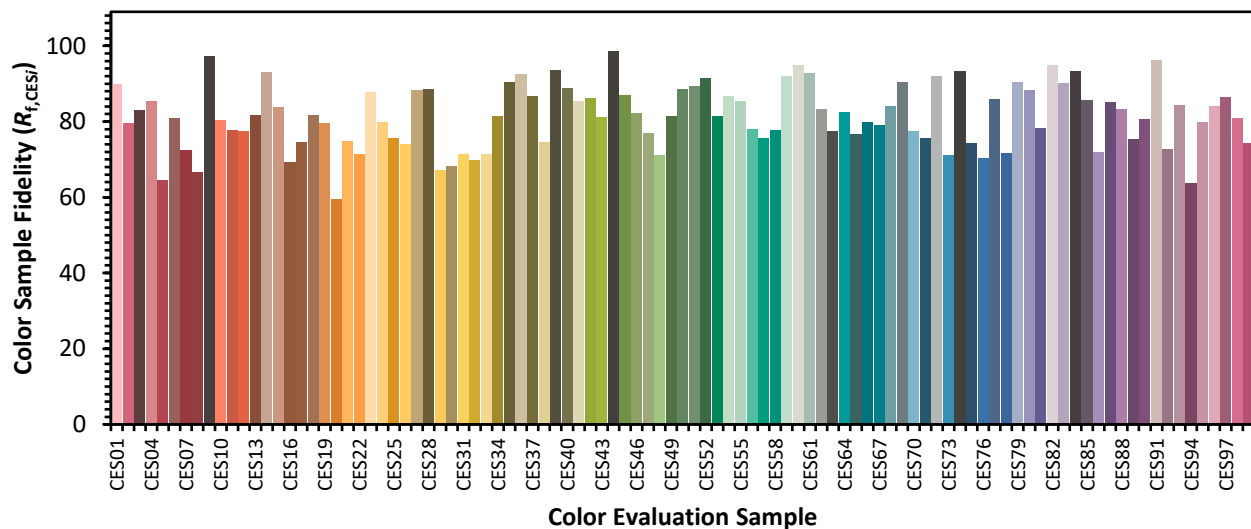


Color Vector Graphics

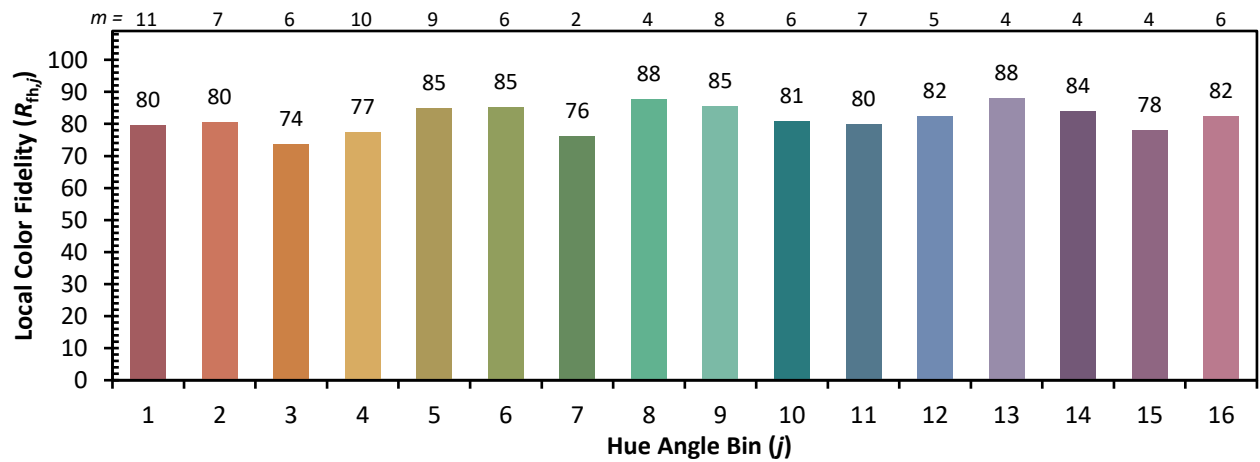
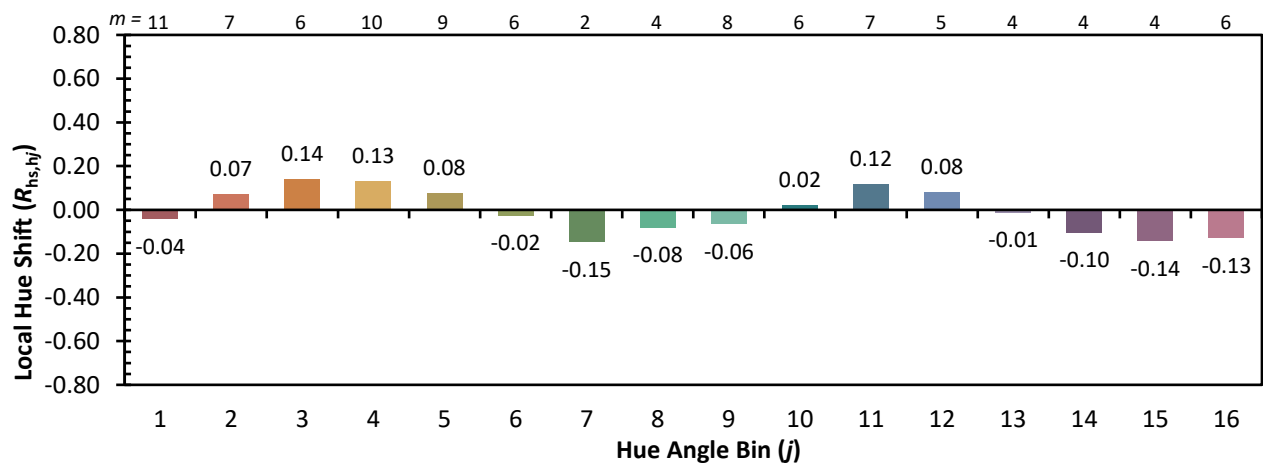
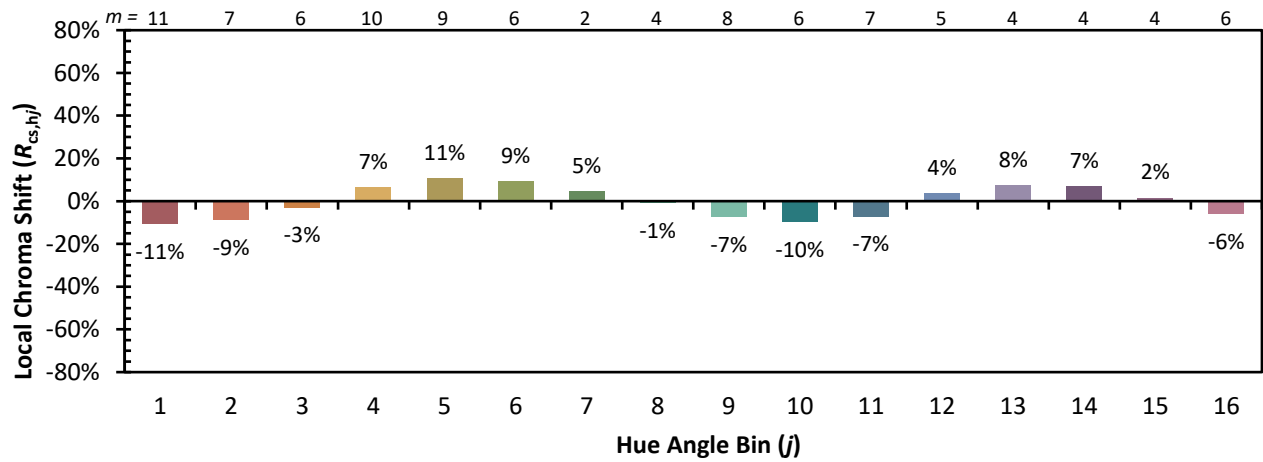


Individual Sample Fidelity Index ($R_{f,i}$)

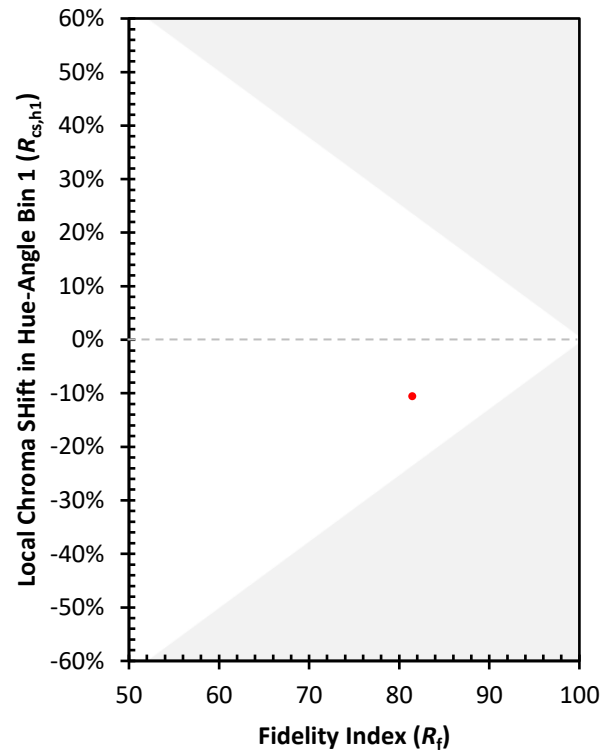
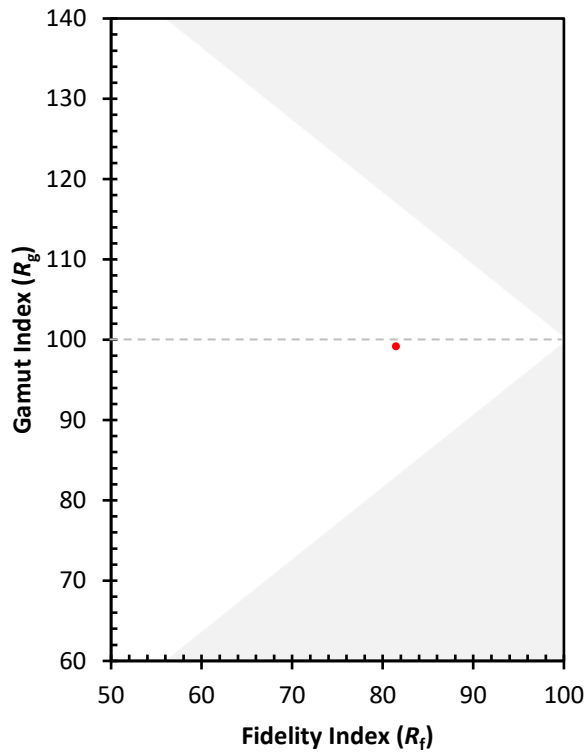
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)