

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: P1049154

Luminaire Tested: **GALN-SA5B-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049154
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18253.9 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

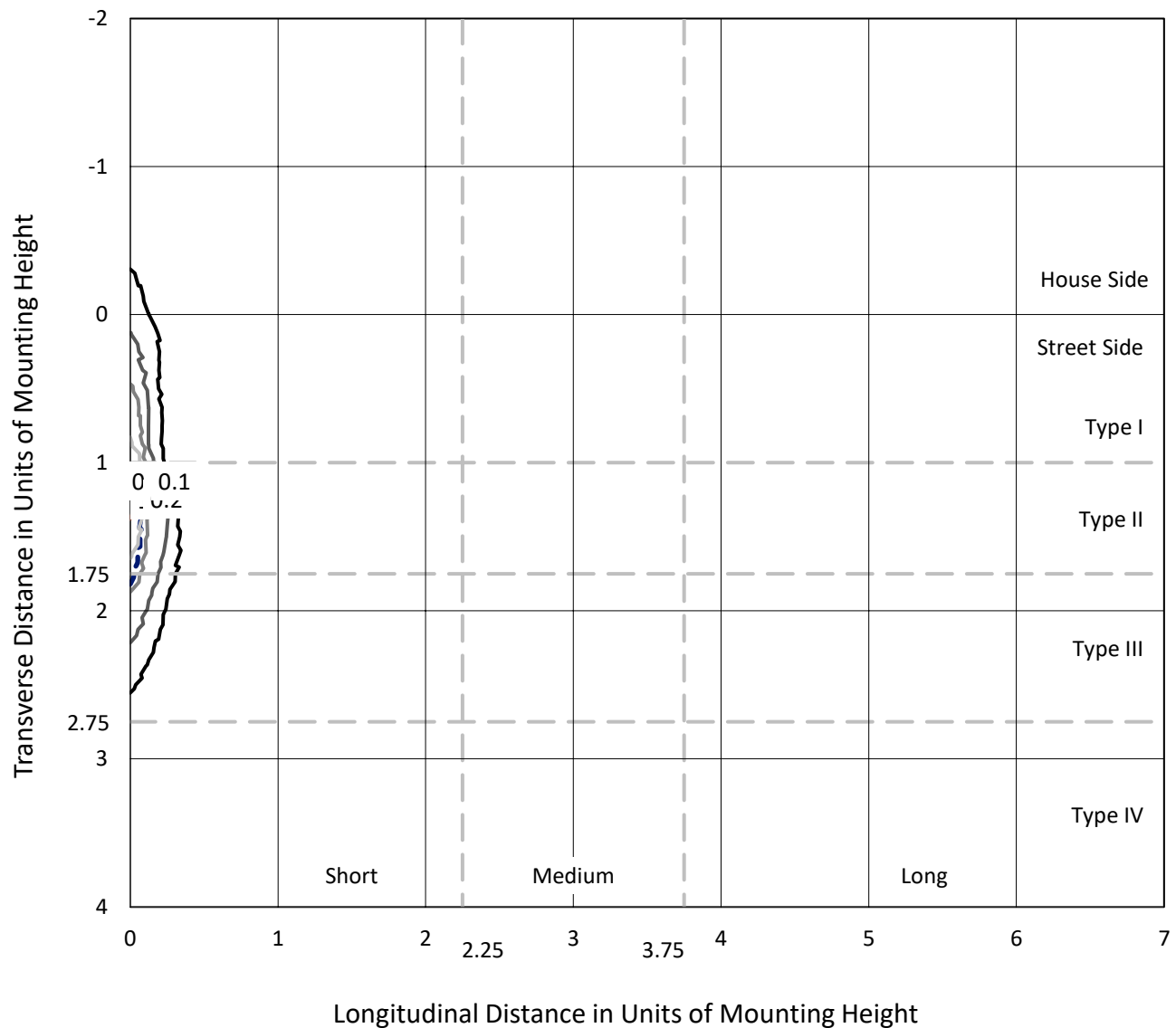
Input Watts (W): 178.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

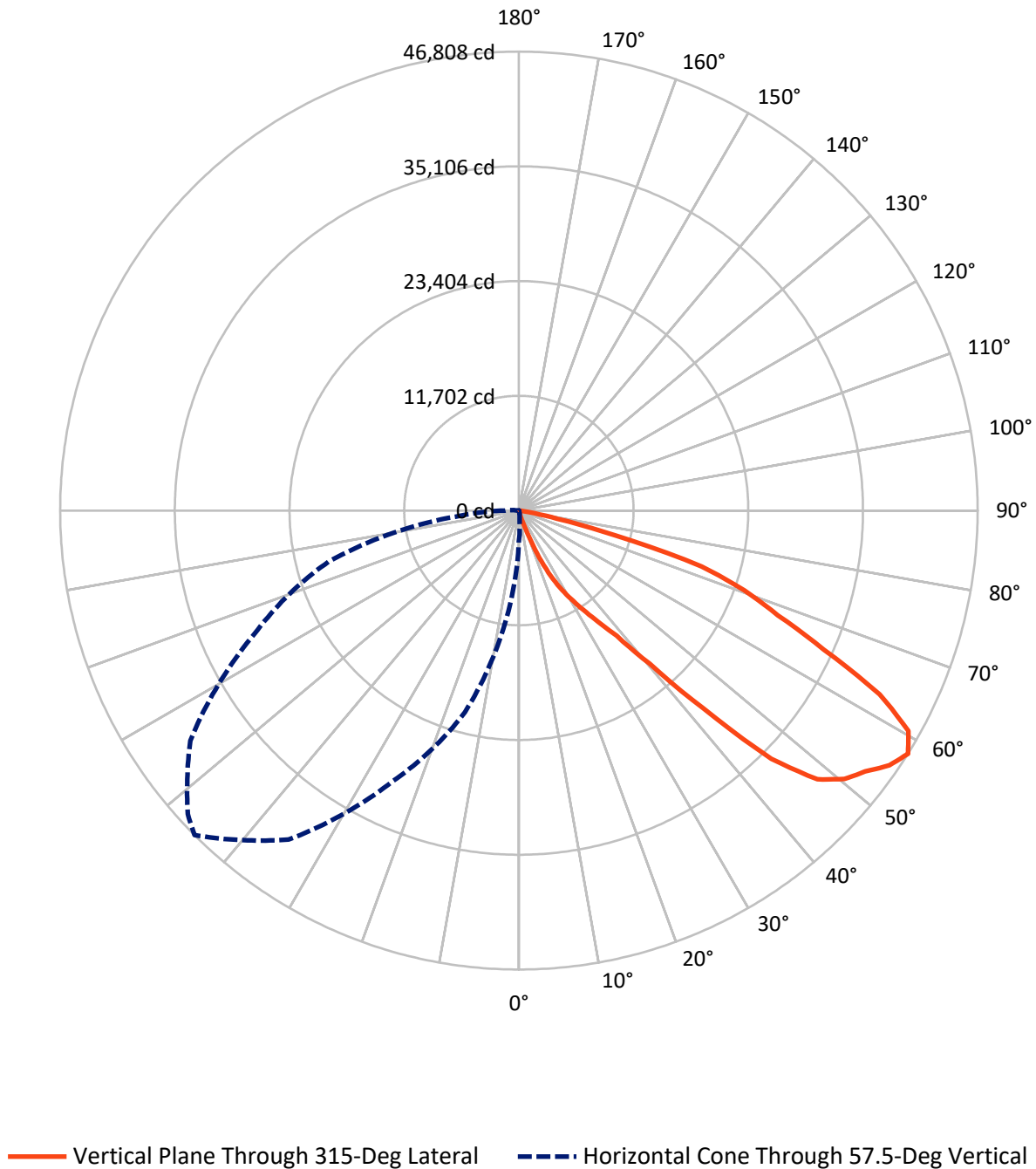


Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.4	0.0	91.4
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	18162.5	0.0	18162.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	18253.9	0.0	18253.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.0
10°-20°	40.1	0.2
20°-30°	432.6	2.4
30°-40°	1279.2	7.0
40°-50°	3812.5	20.9
50°-60°	6045.3	33.1
60°-70°	5046.3	27.6
70°-80°	1556.1	8.5
80°-90°	34.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18253.9	100.0
0°-180°	18253.9	100.0

Coefficient of Utilization



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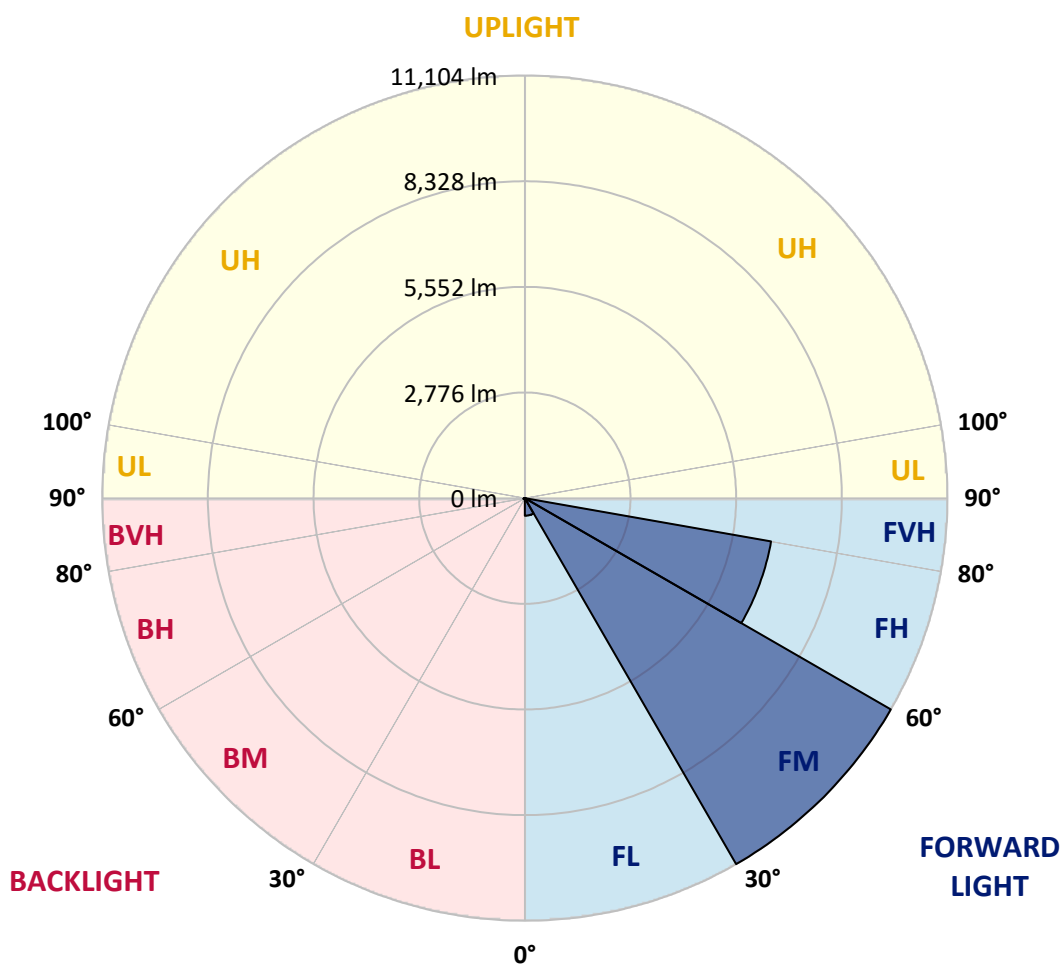
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.1	2.5			
FM	(30°-60°)	11104.3	60.8			
FH	(60°-80°)	6568.3	36.0			G3/7500
FVH	(80°-90°)	26.8	0.1			G1/100
BL	(0°-30°)	16.8	0.1	B0/110		
BM	(30°-60°)	32.7	0.2	B0/220		
BH	(60°-80°)	34.1	0.2	B0/110		G0/110
BVH	(80°-90°)	7.9	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-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	73.1	73.1	73.1	73.1	71.7	71.7	70.4	70.4	69.0	69.0
5°	77.2	77.2	75.9	74.5	74.5	73.1	71.7	70.4	70.4	69.0
7.5°	84.1	82.8	81.4	80.0	77.2	75.9	73.1	71.7	70.4	67.6
10°	92.4	89.7	86.9	84.1	81.4	78.6	75.9	74.5	71.7	70.4
12.5°	103.5	99.3	93.8	89.7	86.9	82.8	80.0	77.2	73.1	70.4
15°	113.1	107.6	100.7	95.2	91.0	85.5	81.4	77.2	74.5	70.4
17.5°	126.9	117.3	106.2	99.3	93.8	86.9	80.0	75.9	71.7	66.2
20°	150.4	131.0	110.4	102.1	93.8	85.5	77.2	71.7	67.6	62.1
22.5°	187.6	154.5	121.4	109.0	97.9	85.5	74.5	69.0	63.5	57.9
25°	259.3	200.0	140.7	124.1	107.6	91.0	74.5	67.6	62.1	55.2
27.5°	344.9	256.6	166.9	143.5	121.4	97.9	74.5	66.2	59.3	51.0
30°	431.8	314.5	195.9	165.5	135.2	104.8	74.5	64.8	56.6	46.9
32.5°	514.5	368.3	220.7	184.8	149.0	111.7	75.9	64.8	53.8	42.8
35°	598.7	412.4	224.8	187.6	150.4	111.7	74.5	62.1	51.0	38.6
37.5°	706.3	462.1	216.6	179.3	143.5	106.2	70.4	59.3	48.3	35.9
40°	869.0	544.9	220.7	182.1	143.5	104.8	66.2	55.2	45.5	34.5
42.5°	1169.8	704.9	238.6	194.5	150.4	104.8	60.7	51.0	42.8	33.1
45°	2022.2	1171.1	320.0	253.8	187.6	121.4	55.2	46.9	40.0	31.7
47.5°	3345.1	1960.2	575.2	444.2	314.5	183.5	53.8	46.9	40.0	31.7
50°	4269.3	2496.8	724.2	557.3	390.4	223.5	56.6	48.3	41.4	33.1
52.5°	4262.4	2535.4	807.0	619.4	433.1	245.5	59.3	51.0	44.1	35.9
55°	3789.3	2306.4	822.1	631.8	442.8	252.4	63.5	55.2	46.9	38.6
57.5°	3167.2	1958.8	750.4	580.7	412.4	242.8	73.1	63.5	55.2	45.5
60°	2505.0	1545.0	584.9	462.1	340.7	217.9	96.6	84.1	73.1	60.7
62.5°	1729.8	1120.1	510.4	409.7	310.4	209.7	110.4	97.9	86.9	74.5
65°	1223.6	842.8	460.7	375.2	291.1	205.5	120.0	106.2	93.8	80.0
67.5°	914.6	670.4	424.9	351.8	278.6	205.5	132.4	115.9	100.7	84.1
70°	700.7	550.4	398.7	339.3	281.4	222.1	162.8	139.3	117.3	93.8
72.5°	571.1	470.4	368.3	325.5	282.8	240.0	197.3	166.9	136.6	104.8
75°	473.1	402.8	332.4	296.6	262.1	226.2	190.4	162.8	136.6	109.0
77.5°	314.5	286.9	258.0	237.3	216.6	194.5	173.8	150.4	128.3	104.8
80°	110.4	106.2	102.1	110.4	118.6	126.9	135.2	118.6	103.5	86.9
82.5°	16.6	15.2	13.8	15.2	16.6	17.9	19.3	20.7	22.1	23.5
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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	67.6	67.6	66.2	66.2	66.2	64.8	64.8	63.5	63.5	63.5
0.0	5°	66.2	66.2	64.8	63.5	62.1	62.1	60.7	59.3	59.3	57.9
0.0	7.5°	64.8	63.5	62.1	60.7	59.3	57.9	56.6	55.2	55.2	53.8
0.0	10°	66.2	63.5	62.1	59.3	57.9	56.6	53.8	52.4	51.0	51.0
0.0	12.5°	63.5	62.1	59.3	56.6	55.2	52.4	51.0	48.3	46.9	46.9
0.0	15°	63.5	60.7	56.6	53.8	51.0	49.7	46.9	44.1	42.8	41.4
0.0	17.5°	59.3	56.6	52.4	49.7	46.9	44.1	41.4	38.6	37.2	35.9
0.0	20°	53.8	51.0	46.9	42.8	40.0	37.2	34.5	31.7	30.3	29.0
0.0	22.5°	48.3	45.5	41.4	37.2	34.5	31.7	27.6	24.8	23.5	20.7
0.0	25°	45.5	41.4	37.2	33.1	29.0	26.2	22.1	17.9	15.2	12.4
0.0	27.5°	38.6	34.5	30.3	26.2	22.1	17.9	13.8	9.7	6.9	5.5
0.0	30°	33.1	29.0	24.8	20.7	15.2	11.0	6.9	1.4	1.4	1.4
0.0	32.5°	27.6	23.5	17.9	13.8	11.0	6.9	4.1	0.0	0.0	0.0
0.0	35°	22.1	17.9	12.4	8.3	6.9	4.1	2.8	0.0	0.0	0.0
0.0	37.5°	19.3	15.2	9.7	4.1	2.8	2.8	1.4	0.0	0.0	0.0
0.0	40°	17.9	12.4	6.9	1.4	1.4	1.4	0.0	0.0	0.0	0.0
0.0	42.5°	17.9	12.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	17.9	12.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	17.9	12.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	19.3	13.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	22.1	16.6	11.0	5.5	4.1	2.8	1.4	0.0	0.0	0.0
0.0	55°	27.6	24.8	20.7	17.9	13.8	9.7	4.1	0.0	0.0	0.0
0.0	57.5°	35.9	35.9	34.5	33.1	24.8	16.6	8.3	0.0	0.0	0.0
0.0	60°	48.3	48.3	48.3	48.3	35.9	24.8	12.4	0.0	0.0	0.0
0.0	62.5°	59.3	56.6	52.4	49.7	37.2	24.8	12.4	0.0	0.0	0.0
0.0	65°	59.3	53.8	46.9	40.0	30.3	20.7	9.7	0.0	0.0	0.0
0.0	67.5°	55.2	44.1	31.7	20.7	15.2	11.0	5.5	0.0	0.0	0.0
	70°	55.2	38.6	22.1	5.5	4.1	2.8	1.4	0.0	0.0	0.0
	72.5°	55.2	37.2	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	60.7	41.4	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	60.7	41.4	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	53.8	35.9	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	17.9	12.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	62.1	62.1	62.1	60.7	60.7	60.7	60.7	59.3	59.3	59.3
0.0	5°	56.6	56.6	55.2	55.2	53.8	53.8	52.4	52.4	51.0	51.0
0.0	7.5°	52.4	51.0	51.0	49.7	48.3	48.3	46.9	46.9	45.5	44.1
0.0	10°	48.3	46.9	46.9	45.5	44.1	42.8	42.8	41.4	40.0	38.6
0.0	12.5°	44.1	42.8	41.4	40.0	38.6	37.2	37.2	35.9	34.5	33.1
0.0	15°	38.6	37.2	35.9	34.5	33.1	31.7	31.7	30.3	29.0	27.6
0.0	17.5°	33.1	31.7	31.7	30.3	29.0	27.6	26.2	23.5	22.1	20.7
0.0	20°	24.8	23.5	22.1	20.7	19.3	16.6	15.2	12.4	9.7	8.3
0.0	22.5°	16.6	13.8	12.4	9.7	6.9	5.5	4.1	1.4	0.0	0.0
0.0	25°	5.5	4.1	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



REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	57.9	57.9	57.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	5°	49.7	49.7	49.7	48.3	48.3	46.9	46.9	46.9	45.5	45.5
0.0	7.5°	42.8	41.4	41.4	40.0	40.0	38.6	38.6	38.6	37.2	37.2
0.0	10°	35.9	34.5	34.5	33.1	33.1	31.7	31.7	30.3	30.3	29.0
0.0	12.5°	31.7	30.3	29.0	27.6	27.6	26.2	24.8	24.8	23.5	22.1
0.0	15°	24.8	23.5	22.1	20.7	19.3	17.9	16.6	16.6	15.2	13.8
0.0	17.5°	16.6	13.8	12.4	11.0	11.0	9.7	8.3	6.9	5.5	4.1
0.0	20°	4.1	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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	56.6	55.2	55.2	55.2	56.6	56.6	56.6	56.6	56.6	56.6
0.0	5°	45.5	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
0.0	7.5°	37.2	35.9	35.9	35.9	35.9	34.5	34.5	34.5	34.5	34.5
0.0	10°	29.0	27.6	27.6	27.6	27.6	26.2	26.2	26.2	26.2	26.2
0.0	12.5°	20.7	20.7	19.3	19.3	19.3	17.9	17.9	17.9	17.9	16.6
0.0	15°	12.4	11.0	9.7	9.7	9.7	8.3	8.3	8.3	8.3	6.9
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
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-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	57.9	57.9	59.3	59.3	60.7	63.5	64.8	66.2	69.0	71.7
0.0	5°	45.5	46.9	46.9	48.3	49.7	51.0	52.4	53.8	56.6	59.3
0.0	7.5°	35.9	35.9	37.2	37.2	38.6	41.4	42.8	44.1	46.9	51.0
0.0	10°	27.6	27.6	29.0	29.0	30.3	33.1	34.5	35.9	38.6	42.8
0.0	12.5°	17.9	19.3	19.3	20.7	22.1	24.8	26.2	27.6	30.3	33.1
0.0	15°	8.3	9.7	9.7	11.0	12.4	15.2	16.6	17.9	20.7	24.8
0.0	17.5°	1.4	1.4	2.8	2.8	4.1	5.5	6.9	8.3	12.4	15.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.5
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
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	75.9	78.6	81.4	84.1	86.9	89.7	91.0	93.8	95.2	96.6
0.0	5°	64.8	67.6	71.7	74.5	77.2	80.0	82.8	84.1	85.5	86.9
0.0	7.5°	56.6	59.3	63.5	66.2	69.0	71.7	74.5	77.2	78.6	80.0
0.0	10°	48.3	52.4	55.2	59.3	62.1	64.8	67.6	70.4	73.1	74.5
0.0	12.5°	38.6	42.8	46.9	49.7	53.8	57.9	60.7	63.5	66.2	69.0
0.0	15°	30.3	34.5	38.6	41.4	45.5	49.7	53.8	56.6	59.3	62.1
0.0	17.5°	22.1	26.2	30.3	33.1	37.2	41.4	44.1	48.3	51.0	53.8
0.0	20°	11.0	15.2	19.3	23.5	27.6	31.7	34.5	38.6	41.4	44.1
0.0	22.5°	1.4	5.5	9.7	12.4	16.6	20.7	23.5	27.6	30.3	33.1
0.0	25°	0.0	1.4	4.1	5.5	6.9	9.7	12.4	15.2	17.9	20.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.4	2.8	5.5	8.3	11.0
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	4.1	6.9	8.3	9.7
	87.5°	0.0	1.4	2.8	4.1	5.5	8.3	11.0	13.8	15.2	16.6
	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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
80.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.1	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											
5.5											
12.4											
17.9											
0.0											
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REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	97.9	97.9	97.9	97.9	96.6	96.6	96.6	95.2	95.2	93.8
0.0	5°	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	89.7	89.7
0.0	7.5°	82.8	84.1	85.5	85.5	86.9	86.9	86.9	85.5	85.5	84.1
0.0	10°	78.6	80.0	80.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4
0.0	12.5°	73.1	74.5	75.9	75.9	77.2	77.2	77.2	77.2	75.9	75.9
0.0	15°	66.2	69.0	70.4	71.7	71.7	73.1	73.1	73.1	73.1	73.1
0.0	17.5°	60.7	63.5	64.8	66.2	66.2	67.6	67.6	69.0	69.0	69.0
0.0	20°	49.7	52.4	53.8	56.6	57.9	59.3	60.7	62.1	62.1	63.5
0.0	22.5°	38.6	41.4	42.8	45.5	46.9	48.3	49.7	51.0	52.4	53.8
0.0	25°	27.6	30.3	31.7	34.5	35.9	37.2	38.6	40.0	40.0	41.4
0.0	27.5°	15.2	17.9	20.7	22.1	24.8	26.2	27.6	29.0	30.3	31.7
0.0	30°	6.9	8.3	9.7	12.4	13.8	15.2	16.6	19.3	20.7	22.1
0.0	32.5°	0.0	0.0	1.4	4.1	5.5	6.9	8.3	9.7	9.7	11.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.1	5.5
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	2.8	2.8	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	82.5°	6.9	8.3	9.7	9.7	11.0	11.0	11.0	11.0	9.7	9.7
	85°	13.8	15.2	16.6	16.6	17.9	17.9	17.9	17.9	17.9	17.9
	87.5°	19.3	20.7	22.1	22.1	23.5	23.5	23.5	23.5	23.5	23.5
	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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
80.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.3	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											
0.0											
0.0											
4.1											
9.7											
17.9											
23.5											
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REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	92.4	92.4	91.0	91.0	91.0	91.0	91.0	92.4	93.8	93.8
0.0	5°	88.3	88.3	86.9	86.9	86.9	88.3	88.3	89.7	91.0	92.4
0.0	7.5°	84.1	82.8	82.8	84.1	84.1	85.5	85.5	86.9	88.3	89.7
0.0	10°	81.4	80.0	80.0	80.0	81.4	81.4	82.8	84.1	85.5	86.9
0.0	12.5°	75.9	75.9	75.9	75.9	77.2	77.2	78.6	80.0	82.8	84.1
0.0	15°	73.1	71.7	71.7	71.7	71.7	73.1	73.1	75.9	78.6	80.0
0.0	17.5°	67.6	67.6	66.2	66.2	67.6	67.6	69.0	71.7	74.5	75.9
0.0	20°	62.1	60.7	59.3	59.3	60.7	60.7	62.1	64.8	67.6	69.0
0.0	22.5°	53.8	52.4	52.4	52.4	52.4	53.8	53.8	56.6	60.7	63.5
0.0	25°	42.8	44.1	44.1	45.5	45.5	46.9	48.3	51.0	55.2	57.9
0.0	27.5°	33.1	34.5	34.5	37.2	38.6	40.0	41.4	45.5	49.7	52.4
0.0	30°	24.8	26.2	27.6	29.0	31.7	34.5	37.2	41.4	45.5	48.3
0.0	32.5°	15.2	17.9	19.3	22.1	24.8	27.6	30.3	34.5	40.0	44.1
0.0	35°	11.0	12.4	15.2	16.6	19.3	22.1	24.8	30.3	34.5	40.0
0.0	37.5°	5.5	8.3	11.0	13.8	16.6	19.3	22.1	27.6	33.1	37.2
0.0	40°	4.1	6.9	8.3	11.0	15.2	17.9	20.7	26.2	31.7	37.2
0.0	42.5°	2.8	4.1	5.5	9.7	12.4	16.6	20.7	26.2	31.7	37.2
0.0	45°	2.8	2.8	4.1	8.3	12.4	17.9	22.1	27.6	31.7	37.2
0.0	47.5°	2.8	4.1	5.5	11.0	13.8	17.9	22.1	26.2	31.7	35.9
0.0	50°	4.1	5.5	6.9	12.4	15.2	19.3	22.1	27.6	31.7	37.2
0.0	52.5°	2.8	4.1	5.5	11.0	15.2	20.7	24.8	30.3	35.9	40.0
0.0	55°	1.4	1.4	1.4	8.3	16.6	23.5	31.7	35.9	41.4	45.5
0.0	57.5°	0.0	0.0	0.0	5.5	16.6	26.2	35.9	41.4	46.9	51.0
0.0	60°	0.0	0.0	0.0	5.5	16.6	26.2	35.9	42.8	49.7	56.6
0.0	62.5°	0.0	0.0	0.0	5.5	13.8	22.1	30.3	41.4	53.8	64.8
0.0	65°	0.0	0.0	0.0	4.1	11.0	17.9	24.8	41.4	57.9	73.1
0.0	67.5°	0.0	0.0	0.0	4.1	11.0	16.6	23.5	41.4	57.9	75.9
	70°	0.0	0.0	0.0	4.1	11.0	17.9	24.8	41.4	57.9	74.5
	72.5°	0.0	0.0	0.0	4.1	12.4	19.3	27.6	41.4	55.2	69.0
	75°	0.0	0.0	0.0	5.5	12.4	20.7	29.0	41.4	53.8	64.8
	77.5°	0.0	0.0	0.0	4.1	12.4	19.3	27.6	40.0	52.4	63.5
	80°	4.1	2.8	2.8	6.9	12.4	17.9	23.5	35.9	49.7	62.1
	82.5°	8.3	8.3	6.9	9.7	12.4	16.6	20.7	31.7	44.1	55.2
	85°	16.6	16.6	15.2	16.6	16.6	17.9	19.3	24.8	30.3	35.9
	87.5°	22.1	22.1	20.7	20.7	20.7	19.3	19.3	19.3	19.3	17.9
	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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
80.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0											
82.8											
77.2											
75.9											
74.5											
66.2											
41.4											
17.9											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	96.6	97.9	97.9	99.3	100.7	102.1	102.1	103.5	103.5	103.5
0.0	5°	95.2	97.9	99.3	100.7	102.1	103.5	104.8	106.2	107.6	107.6
0.0	7.5°	93.8	95.2	97.9	99.3	102.1	103.5	106.2	107.6	109.0	110.4
0.0	10°	91.0	93.8	96.6	99.3	102.1	104.8	107.6	110.4	113.1	114.5
0.0	12.5°	88.3	92.4	95.2	97.9	102.1	106.2	109.0	113.1	115.9	118.6
0.0	15°	86.9	89.7	93.8	96.6	102.1	107.6	111.7	117.3	122.8	126.9
0.0	17.5°	82.8	88.3	92.4	96.6	102.1	109.0	114.5	120.0	128.3	136.6
0.0	20°	77.2	81.4	86.9	91.0	99.3	106.2	114.5	121.4	133.8	146.2
0.0	22.5°	71.7	77.2	81.4	86.9	96.6	104.8	114.5	122.8	143.5	162.8
0.0	25°	66.2	73.1	78.6	84.1	95.2	106.2	117.3	128.3	162.8	197.3
0.0	27.5°	63.5	69.0	75.9	81.4	95.2	110.4	124.1	137.9	193.1	246.9
0.0	30°	59.3	66.2	71.7	78.6	96.6	114.5	132.4	150.4	234.5	318.6
0.0	32.5°	55.2	62.1	69.0	75.9	99.3	122.8	144.8	168.3	278.6	387.6
0.0	35°	51.0	59.3	66.2	73.1	103.5	135.2	165.5	195.9	318.6	440.0
0.0	37.5°	49.7	57.9	64.8	71.7	104.8	136.6	169.7	201.4	322.8	444.2
0.0	40°	51.0	57.9	66.2	73.1	100.7	128.3	154.5	182.1	309.0	434.5
0.0	42.5°	51.0	59.3	67.6	75.9	97.9	120.0	142.1	164.2	304.9	445.6
0.0	45°	49.7	57.9	66.2	74.5	95.2	114.5	135.2	154.5	329.7	503.5
0.0	47.5°	48.3	56.6	64.8	73.1	93.8	114.5	135.2	155.9	426.2	695.2
0.0	50°	48.3	56.6	63.5	70.4	95.2	121.4	146.2	171.0	620.7	1069.1
0.0	52.5°	51.0	57.9	63.5	69.0	97.9	128.3	157.3	186.2	789.0	1390.5
0.0	55°	55.2	59.3	64.8	69.0	104.8	139.3	175.2	209.7	840.1	1470.5
0.0	57.5°	60.7	64.8	69.0	73.1	117.3	161.4	204.2	248.3	844.2	1438.7
0.0	60°	67.6	73.1	77.2	81.4	128.3	176.6	223.5	270.4	764.2	1256.7
0.0	62.5°	82.8	89.7	95.2	102.1	147.6	191.7	237.3	281.4	634.5	987.7
0.0	65°	95.2	100.7	106.2	111.7	155.9	201.4	245.5	289.7	538.0	786.3
0.0	67.5°	97.9	103.5	107.6	113.1	158.6	204.2	248.3	293.8	460.7	626.3
	70°	99.3	106.2	114.5	121.4	168.3	215.2	260.7	307.6	408.3	509.0
	72.5°	95.2	109.0	121.4	133.8	177.9	220.7	264.9	307.6	379.3	451.1
	75°	95.2	114.5	132.4	150.4	183.5	215.2	248.3	280.0	335.2	390.4
	77.5°	100.7	125.5	150.4	175.2	194.5	212.4	231.7	249.7	285.5	321.4
	80°	100.7	126.9	151.7	177.9	186.2	195.9	204.2	212.4	216.6	220.7
	82.5°	86.9	107.6	128.3	149.0	139.3	129.7	120.0	110.4	103.5	95.2
	85°	44.1	48.3	51.0	53.8	49.7	45.5	41.4	37.2	34.5	30.3
	87.5°	17.9	17.9	16.6	16.6	16.6	16.6	15.2	15.2	15.2	15.2
	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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
80.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
293.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
408.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
553.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
691.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
784.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
855.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
925.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1063.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1339.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2041.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3127.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3936.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4026.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3633.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3106.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2427.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1834.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1354.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
958.7											
713.2											
518.7											
390.4											
219.3											
99.3											
29.0											
13.8											
0.0											
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REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	103.5	102.1	102.1	100.7	99.3	97.9	96.6	95.2	93.8	92.4
0.0	5°	107.6	107.6	107.6	106.2	106.2	104.8	104.8	103.5	102.1	100.7
0.0	7.5°	111.7	113.1	113.1	114.5	114.5	114.5	114.5	113.1	113.1	113.1
0.0	10°	118.6	120.0	121.4	122.8	124.1	125.5	125.5	126.9	126.9	126.9
0.0	12.5°	126.9	131.0	133.8	137.9	140.7	144.8	147.6	151.7	154.5	157.3
0.0	15°	139.3	146.2	154.5	161.4	168.3	177.9	189.0	198.6	208.3	223.5
0.0	17.5°	157.3	179.3	201.4	222.1	244.2	292.4	340.7	387.6	435.9	506.3
0.0	20°	191.7	258.0	322.8	389.0	453.8	623.5	791.8	961.5	1129.8	1310.5
0.0	22.5°	269.0	431.8	594.5	757.3	920.1	1274.6	1627.7	1982.2	2335.4	2750.6
0.0	25°	390.4	689.7	989.1	1287.0	1586.3	2140.9	2696.8	3251.3	3805.8	4345.2
0.0	27.5°	568.3	1026.3	1484.3	1940.9	2398.8	3150.6	3903.8	4655.6	5407.4	6017.1
0.0	30°	787.7	1408.4	2029.1	2649.9	3270.6	4125.9	4981.1	5835.0	6690.2	7356.5
0.0	32.5°	994.6	1754.6	2514.7	3273.4	4033.4	5007.3	5982.6	6956.5	7930.3	8658.7
0.0	35°	1129.8	2048.5	2968.5	3887.2	4805.9	5859.8	6913.7	7966.2	9020.1	9851.9
0.0	37.5°	1264.9	2325.7	3385.1	4445.9	5505.3	6662.6	7820.0	8977.3	10134.7	11162.3
0.0	40°	1416.7	2660.9	3903.8	5148.0	6390.9	7762.0	9131.8	10503.0	11872.7	13322.5
0.0	42.5°	1680.1	3216.8	4754.9	6291.6	7828.3	9642.2	11456.2	13268.7	15082.7	17151.8
0.0	45°	2175.4	4341.1	6508.1	8673.8	10839.6	13242.5	15646.9	18049.8	20452.8	23206.1
0.0	47.5°	3387.9	6367.4	9345.6	12325.2	15303.4	17898.1	20491.4	23086.1	25679.4	28421.8
0.0	50°	5183.9	8651.8	12119.7	15586.2	19054.0	21401.8	23748.2	26096.0	28442.4	31050.9
0.0	52.5°	6483.3	10096.0	13710.1	17322.9	20935.6	23054.4	25174.6	27293.4	29412.2	31849.6
0.0	55°	6581.3	10173.3	13766.7	17358.7	20950.8	23079.2	25207.7	27336.1	29464.6	32048.3
0.0	57.5°	5826.7	9389.8	12951.5	16514.5	20076.2	22499.9	24922.1	27345.8	29768.1	32561.4
0.0	60°	4956.3	8520.7	12083.8	15648.2	19211.3	22003.3	24796.6	27588.6	30380.5	32997.3
0.0	62.5°	3866.5	7533.1	11201.0	14867.5	18534.0	21368.7	24203.5	27036.8	29871.5	31834.5
0.0	65°	2881.6	6441.9	10002.2	13561.2	17121.5	19392.0	21662.5	23931.7	26202.2	27417.5
0.0	67.5°	2082.9	5153.5	8222.8	11293.4	14362.6	15987.6	17612.5	19236.1	20861.1	21790.8
	70°	1408.4	3535.5	5661.2	7788.3	9914.0	11249.2	12585.9	13921.2	15256.5	16511.8
	72.5°	975.3	2169.8	3365.8	4560.4	5755.0	7098.5	8440.7	9784.3	11126.5	12454.9
	75°	647.0	1190.4	1735.3	2278.8	2822.3	3816.9	4812.8	5807.4	6802.0	7593.8
	77.5°	459.3	622.1	786.3	949.0	1111.8	1298.0	1485.6	1671.9	1858.1	2140.9
	80°	217.9	238.6	259.3	278.6	299.3	366.9	434.5	502.1	569.7	641.4
	82.5°	103.5	111.7	120.0	126.9	135.2	142.1	149.0	155.9	162.8	155.9
	85°	27.6	27.6	29.0	29.0	29.0	29.0	29.0	29.0	29.0	27.6
	87.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	11.0	11.0	9.7
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
80.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
575.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1492.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3165.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4884.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6626.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8024.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9388.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10683.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12191.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14772.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19221.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25959.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31164.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33659.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34287.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34633.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35354.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35612.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33798.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28634.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22722.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17765.7											
13783.3											
8385.5											
2423.7											
713.2											
147.6											
26.2											
9.7											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	2.5°	89.7	88.3	86.9	85.5	84.1	81.4	81.4	80.0	80.0
0.0	5°	97.9	96.6	95.2	93.8	93.8	92.4	91.0	91.0	89.7
0.0	7.5°	111.7	110.4	109.0	107.6	107.6	106.2	106.2	104.8	104.8
0.0	10°	128.3	128.3	128.3	128.3	128.3	126.9	126.9	126.9	125.5
0.0	12.5°	161.4	162.8	165.5	168.3	172.4	172.4	172.4	171.0	171.0
0.0	15°	255.2	270.4	281.4	292.4	302.1	324.2	321.4	317.3	314.5
0.0	17.5°	645.6	714.5	751.8	787.7	824.9	927.0	910.4	893.9	878.7
0.0	20°	1673.2	1854.0	1974.0	2094.0	2215.4	2407.1	2360.2	2313.3	2266.4
0.0	22.5°	3579.6	3994.8	4175.5	4356.2	4535.6	4767.3	4616.9	4466.6	4317.6
0.0	25°	5422.5	5961.9	6266.7	6571.6	6875.1	7007.5	6811.6	6614.4	6418.5
0.0	27.5°	7236.5	7846.2	8115.2	8382.8	8651.8	8929.0	8686.3	8442.1	8199.3
0.0	30°	8690.4	9356.7	9647.7	9937.4	10228.5	10421.6	10170.5	9918.1	9667.0
0.0	32.5°	10116.7	10845.1	11163.7	11482.4	11799.6	12076.9	11767.9	11457.5	11148.5
0.0	35°	11514.1	12345.9	12784.5	13223.2	13661.9	13919.8	13552.9	13184.6	12817.7
0.0	37.5°	13219.1	14246.7	14737.8	15228.9	15720.0	16190.4	15786.2	15380.6	14976.5
0.0	40°	16222.1	17671.9	18425.0	19179.6	19932.7	20539.7	20029.3	19518.9	19008.5
0.0	42.5°	21290.1	23359.2	24442.1	25523.6	26606.4	27554.1	27017.5	26480.9	25944.3
0.0	45°	28712.8	31466.1	32786.3	34105.0	35425.1	36117.6	35345.1	34571.2	33798.8
0.0	47.5°	33905.0	36647.3	37822.6	38997.8	40173.1	40963.5	40018.6	39073.7	38130.2
0.0	50°	36266.6	38875.1	40054.5	41232.5	42411.9	43039.6	41948.4	40855.9	39764.8
0.0	52.5°	36723.2	39160.6	40567.6	41976.0	43383.0	44221.7	42933.3	41643.6	40355.2
0.0	55°	37217.0	39800.7	41432.5	43065.8	44697.6	45859.1	44402.4	42944.4	41487.7
0.0	57.5°	38146.7	40940.1	42567.8	44194.1	45821.9	46808.2	45347.3	43885.1	42424.3
0.0	60°	38229.5	40844.9	42243.6	43643.7	45042.5	45663.2	44265.9	42867.1	41469.8
0.0	62.5°	35761.7	37724.6	38695.7	39666.9	40638.0	41312.5	39854.5	38395.0	36937.0
0.0	65°	29849.5	31064.7	31838.6	32612.5	33386.3	34190.5	32855.2	31519.9	30184.7
0.0	67.5°	23651.7	24581.4	25600.8	26620.2	27639.6	28499.0	27429.9	26359.5	25290.4
	70°	19020.9	20274.8	21421.1	22567.5	23713.8	24417.3	23344.1	22269.5	21196.3
	72.5°	15111.6	16440.0	17397.4	18353.3	19310.6	19483.1	18694.0	17905.0	17117.3
	75°	9176.0	9967.8	9987.1	10005.0	10024.3	10188.5	9534.6	8880.8	8228.3
	77.5°	2706.4	2989.2	3222.3	3454.1	3687.2	3968.6	3728.6	3487.2	3247.2
	80°	783.5	855.2	915.9	975.3	1036.0	1000.1	943.5	887.0	830.4
	82.5°	140.7	132.4	131.0	129.7	129.7	122.8	111.7	100.7	89.7
	85°	24.8	23.5	22.1	20.7	19.3	17.9	15.2	13.8	11.0
	87.5°	8.3	6.9	5.5	4.1	4.1	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: P1049154

CATALOG NUMBER: GALN-SA5B-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°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.0	0.0	2.5°	78.6	77.2	77.2	77.2	77.2	75.9	75.9	75.9	75.9
0.0	0.0	5°	86.9	86.9	85.5	85.5	84.1	84.1	82.8	82.8	81.4
0.0	0.0	7.5°	102.1	100.7	99.3	97.9	96.6	93.8	92.4	91.0	91.0
0.0	0.0	10°	122.8	120.0	118.6	115.9	114.5	111.7	109.0	106.2	103.5
0.0	0.0	12.5°	161.4	155.9	151.7	146.2	140.7	136.6	131.0	126.9	121.4
0.0	0.0	15°	280.0	266.2	251.1	233.1	213.8	195.9	176.6	165.5	153.1
0.0	0.0	17.5°	715.9	644.2	571.1	511.8	452.5	394.5	335.2	292.4	249.7
0.0	0.0	20°	1822.2	1623.6	1424.9	1229.1	1031.8	835.9	638.7	539.4	440.0
0.0	0.0	22.5°	3429.3	3061.0	2691.3	2334.0	1975.3	1618.1	1260.8	1036.0	812.5
0.0	0.0	25°	5292.9	4829.4	4365.9	3778.3	3189.2	2601.6	2014.0	1648.4	1282.9
0.0	0.0	27.5°	6887.5	6353.6	5819.8	5105.3	4390.7	3676.2	2961.6	2416.8	1873.3
0.0	0.0	30°	8268.3	7694.5	7120.6	6288.8	5457.0	4625.2	3793.4	3112.0	2430.6
0.0	0.0	32.5°	9465.6	8778.7	8091.7	7233.7	6375.7	5517.7	4659.7	3823.8	2987.8
0.0	0.0	35°	10846.4	10045.0	9242.2	8290.4	7337.2	6385.4	5433.6	4490.0	3545.1
0.0	0.0	37.5°	12601.1	11617.5	10632.6	9571.9	8511.1	7451.7	6390.9	5312.2	4233.5
0.0	0.0	40°	15960.0	14690.9	13421.8	12074.1	10725.1	9377.4	8029.7	6705.4	5381.2
0.0	0.0	42.5°	21978.4	20263.8	18549.2	16755.9	14961.3	13168.0	11373.4	9505.6	7636.5
0.0	0.0	45°	28770.7	26643.7	24515.2	22502.6	20488.7	18476.1	16463.5	13900.5	11337.5
0.0	0.0	47.5°	32590.4	30293.6	27996.9	26091.9	24186.9	22281.9	20376.9	17613.9	14850.9
0.0	0.0	50°	33996.0	31657.9	29319.8	27566.5	25811.9	24058.6	22304.0	19536.8	16768.3
0.0	0.0	52.5°	34295.4	31910.3	29525.3	27761.0	25996.7	24233.8	22469.5	19720.3	16971.1
0.0	0.0	55°	34910.6	32351.7	29791.5	27780.3	25769.1	23757.9	21746.7	18953.4	16160.0
0.0	0.0	57.5°	35714.8	33091.1	30467.4	28176.2	25885.0	23595.1	21303.9	18249.8	15195.8
0.0	0.0	60°	35503.7	33220.8	30936.4	28482.4	26027.1	23573.1	21117.7	17758.8	14398.5
0.0	0.0	62.5°	31840.0	30021.9	28202.4	26184.3	24164.8	22146.7	20128.6	16670.4	13212.2
0.0	0.0	65°	26194.0	24867.0	23540.0	21916.4	20291.4	18667.8	17044.2	13943.3	10843.7
0.0	0.0	67.5°	21229.4	19734.1	18237.4	16943.5	15648.2	14354.3	13059.1	10618.8	8178.6
		70°	16866.3	15239.9	13612.2	12348.6	11083.7	9820.2	8556.6	6934.4	5313.6
		72.5°	13394.3	11927.9	10461.6	9113.9	7764.8	6417.1	5068.0	4109.3	3150.6
		75°	6401.9	5815.7	5229.4	4524.5	3819.6	3114.8	2409.9	1991.9	1575.3
		77.5°	2372.6	2056.7	1739.5	1452.5	1165.6	880.1	593.2	543.5	493.8
		80°	613.8	535.2	455.2	398.7	340.7	284.2	227.6	205.5	184.8
		82.5°	70.4	64.8	60.7	57.9	53.8	51.0	46.9	42.8	38.6
		85°	4.1	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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CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	80.0	80.0
0.0	0.0	2.5°	74.5	73.1
0.0	0.0	5°	78.6	77.2
0.0	0.0	7.5°	86.9	84.1
0.0	0.0	10°	95.2	92.4
0.0	0.0	12.5°	107.6	103.5
0.0	0.0	15°	121.4	113.1
0.0	0.0	17.5°	144.8	126.9
0.0	0.0	20°	195.9	150.4
0.0	0.0	22.5°	275.9	187.6
0.0	0.0	25°	405.6	259.3
0.0	0.0	27.5°	564.2	344.9
0.0	0.0	30°	750.4	431.8
0.0	0.0	32.5°	914.6	514.5
0.0	0.0	35°	1128.4	598.7
0.0	0.0	37.5°	1391.8	706.3
0.0	0.0	40°	1800.2	869.0
0.0	0.0	42.5°	2535.4	1169.8
0.0	0.0	45°	4117.6	2022.2
0.0	0.0	47.5°	6335.7	3345.1
0.0	0.0	50°	7751.0	4269.3
0.0	0.0	52.5°	7866.9	4262.4
0.0	0.0	55°	7181.3	3789.3
0.0	0.0	57.5°	6127.4	3167.2
0.0	0.0	60°	5092.9	2505.0
0.0	0.0	62.5°	4012.8	1729.8
0.0	0.0	65°	2932.7	1223.6
0.0	0.0	67.5°	2106.4	914.6
		70°	1384.9	700.7
		72.5°	902.1	571.1
		75°	606.9	473.1
		77.5°	354.5	314.5
		80°	125.5	110.4
		82.5°	23.5	16.6
		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: P1049154

CATALOG NUMBER: GALN-SA5B-830-U-RBC

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

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

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

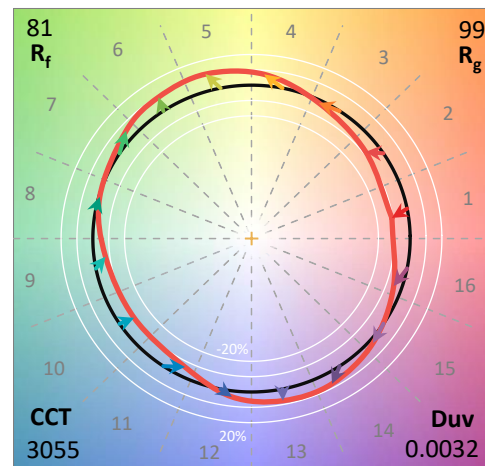
Test Information

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

Spectral Parameters

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

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



Test Conditions

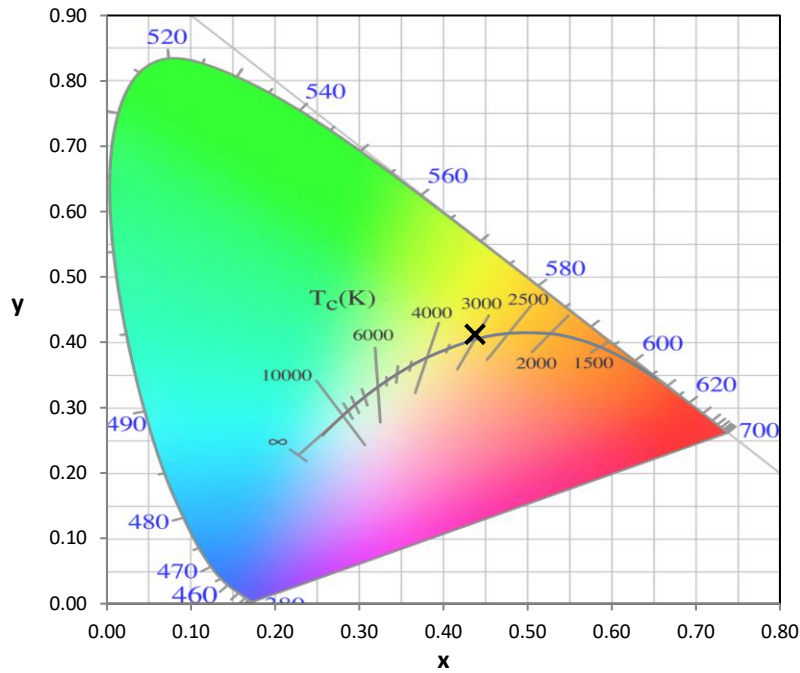
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

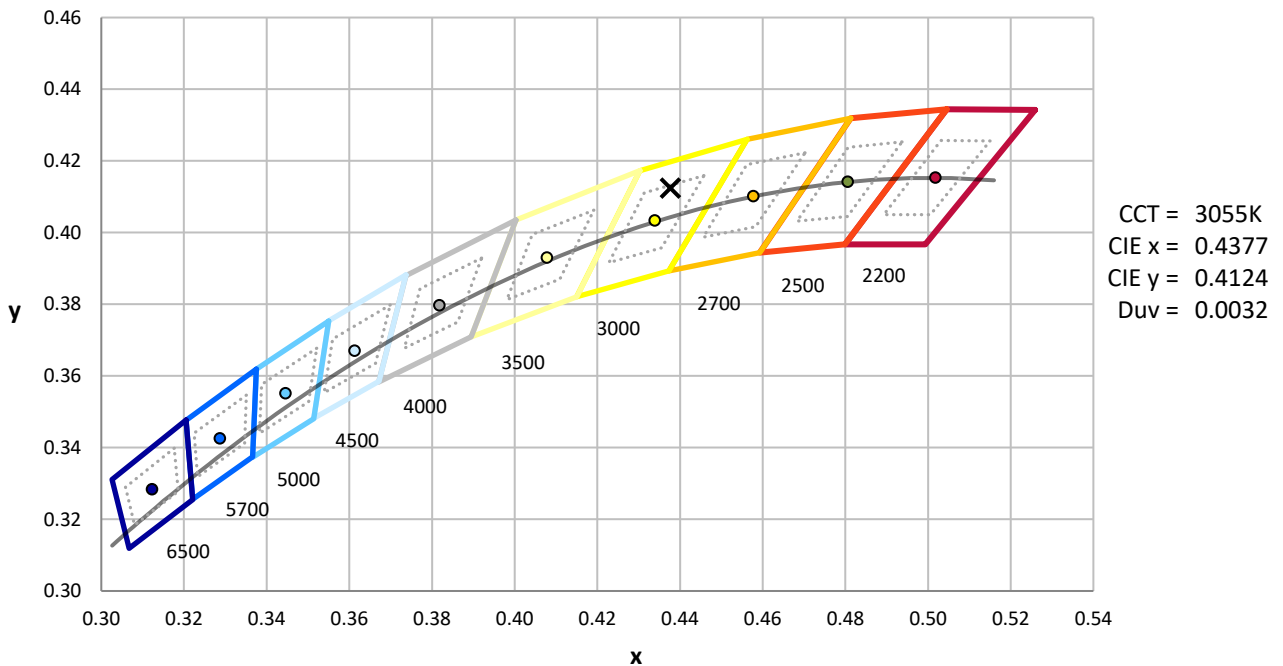
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



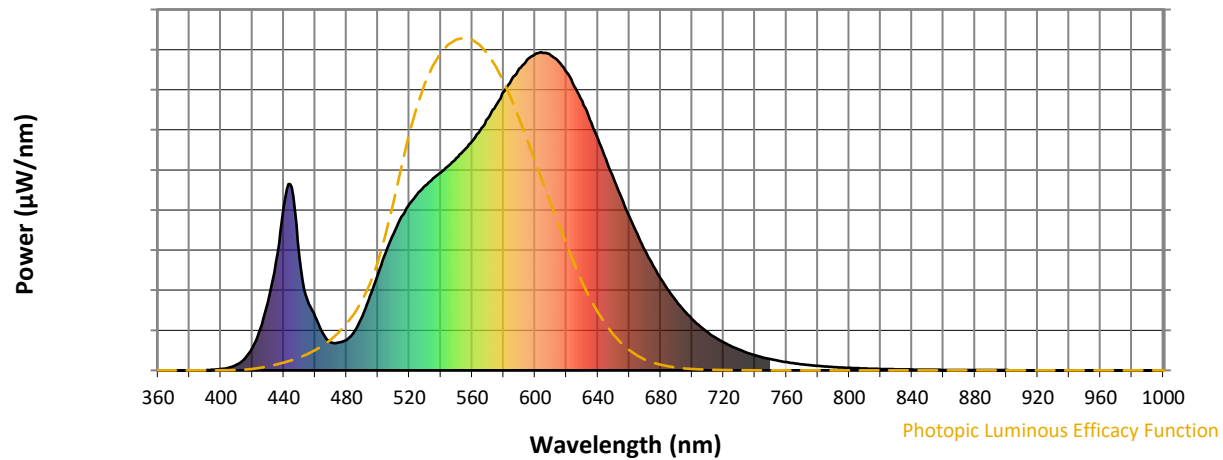
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

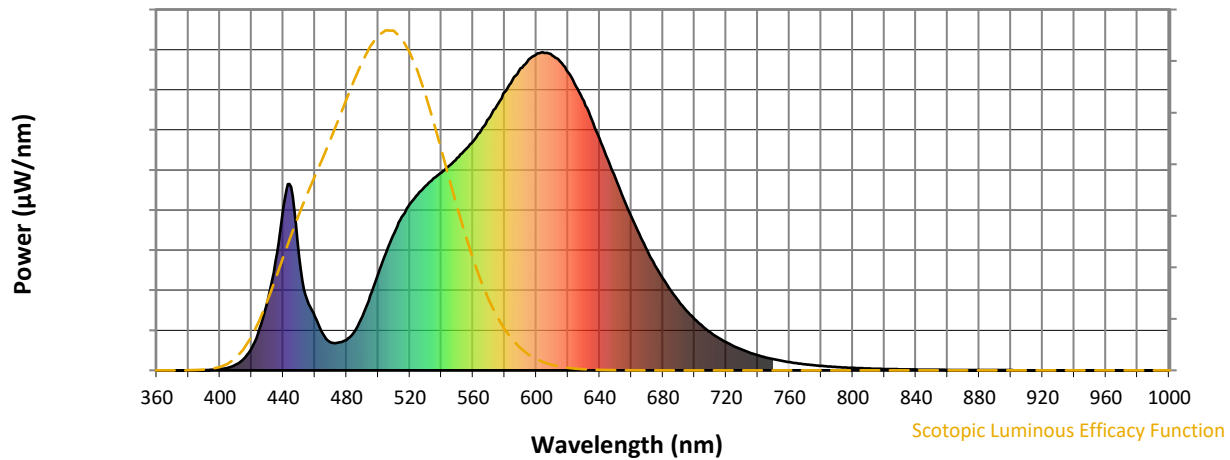


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



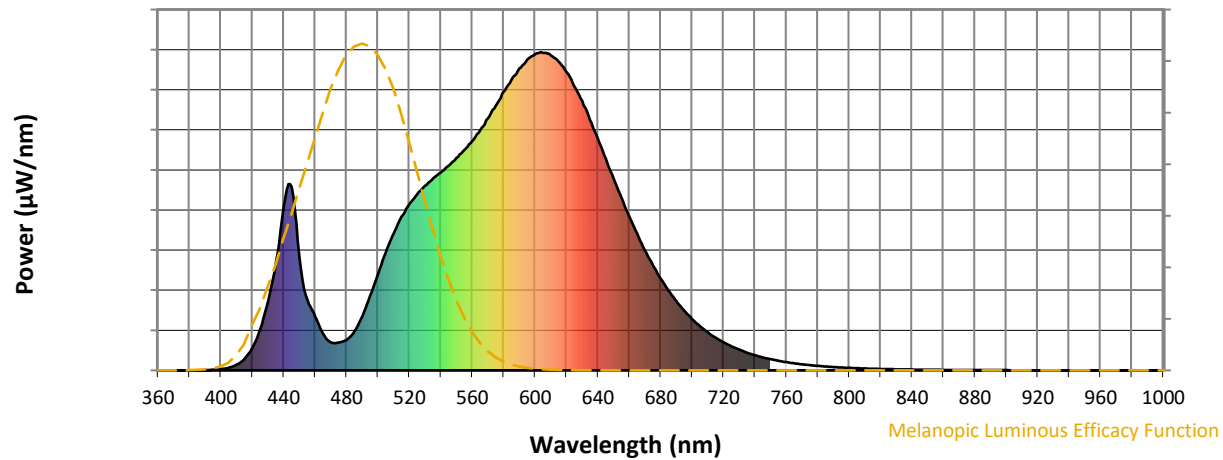
Scotopic Lumens: NR

S/P: 1.28

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

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

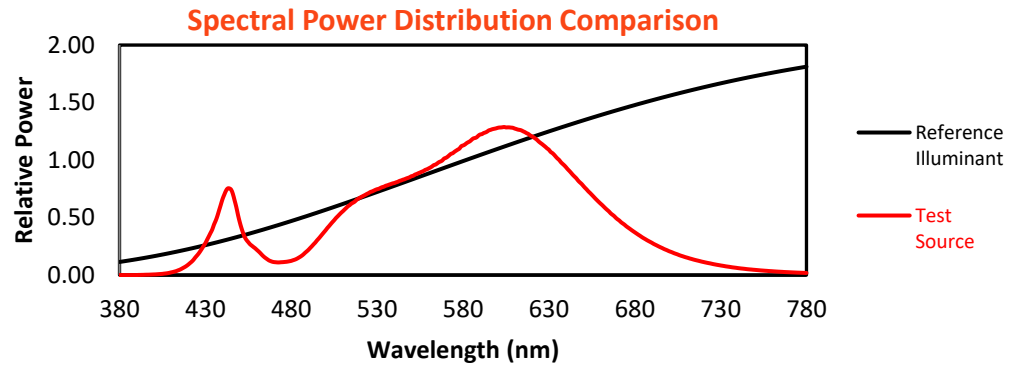
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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

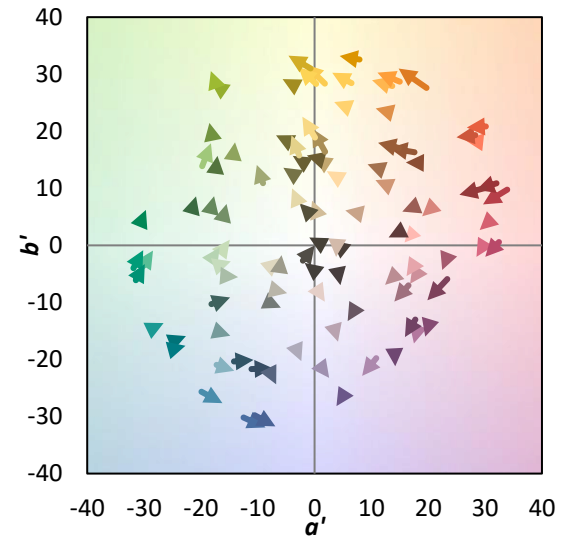
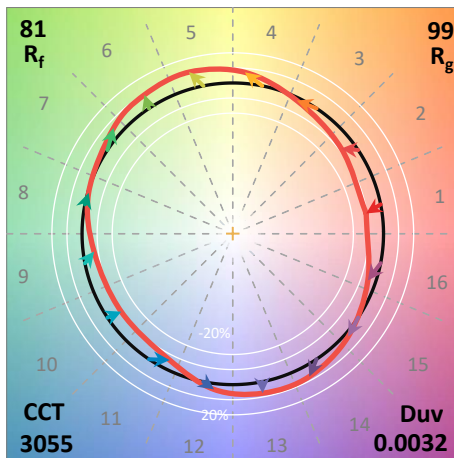
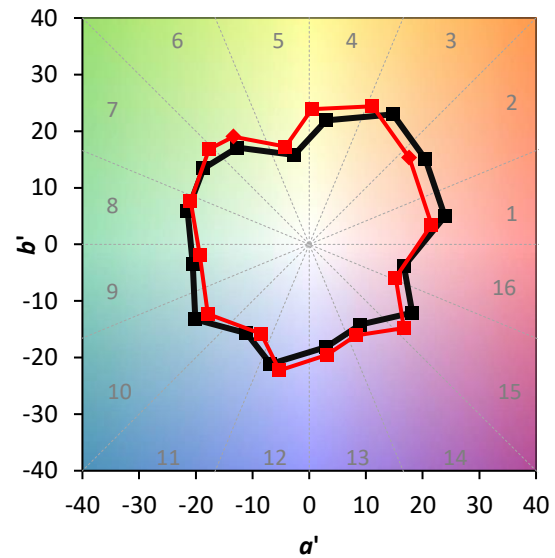
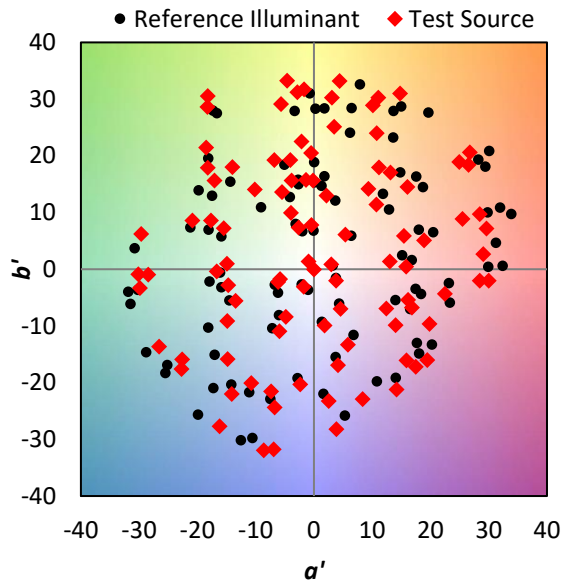
TM-30-18

Summary

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

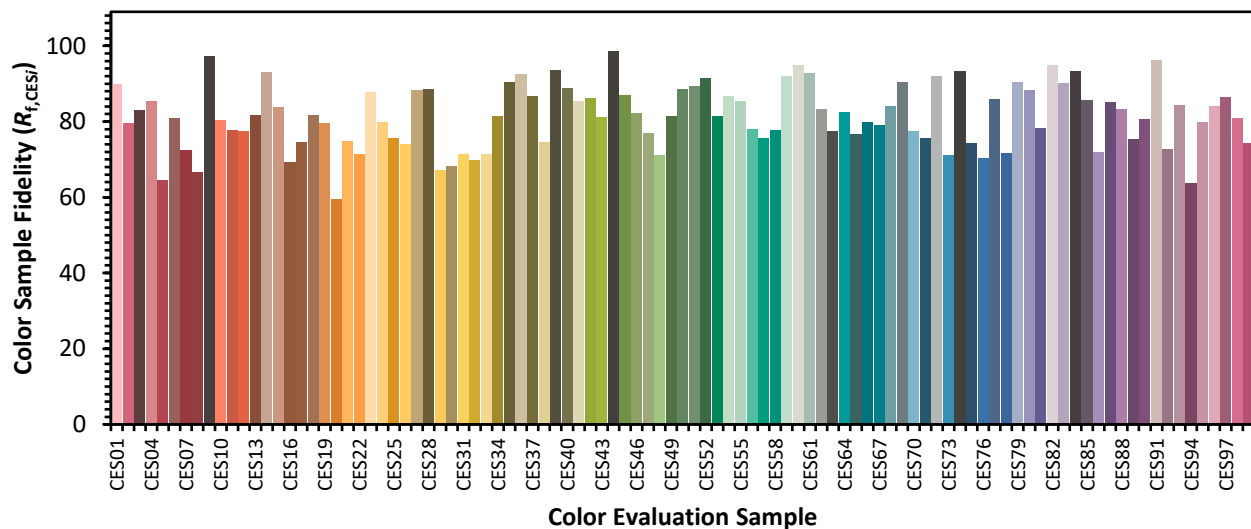


Color Vector Graphics

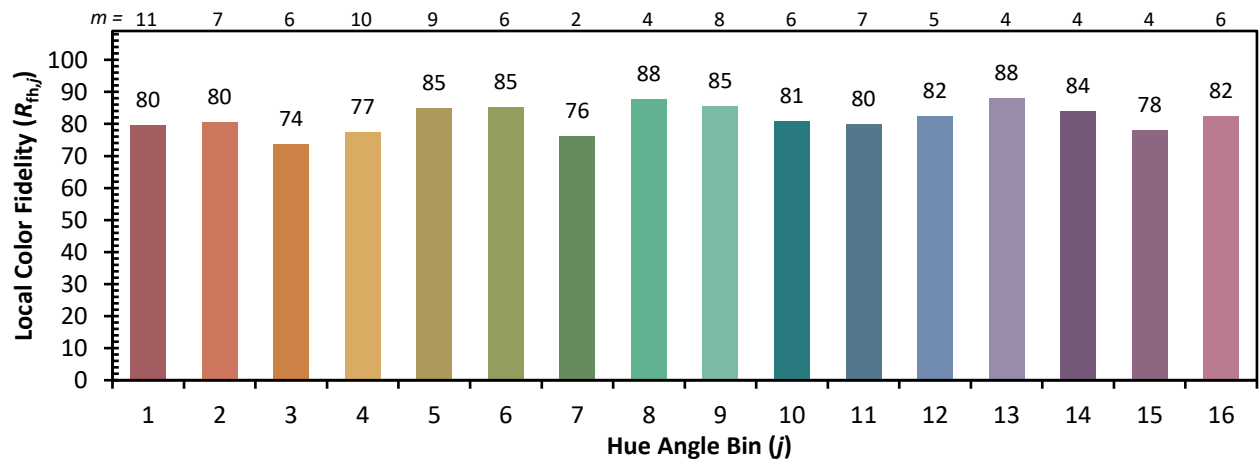
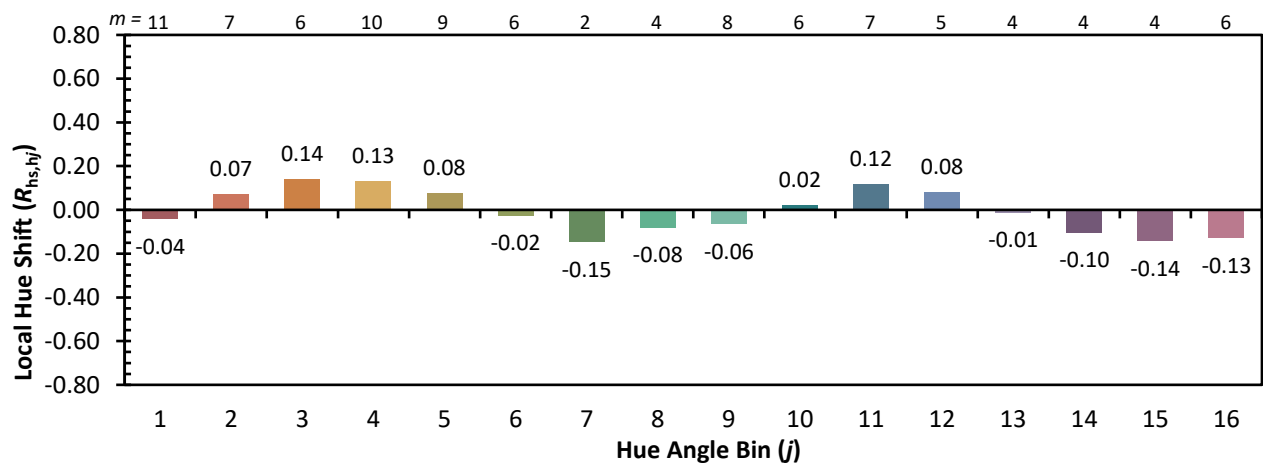
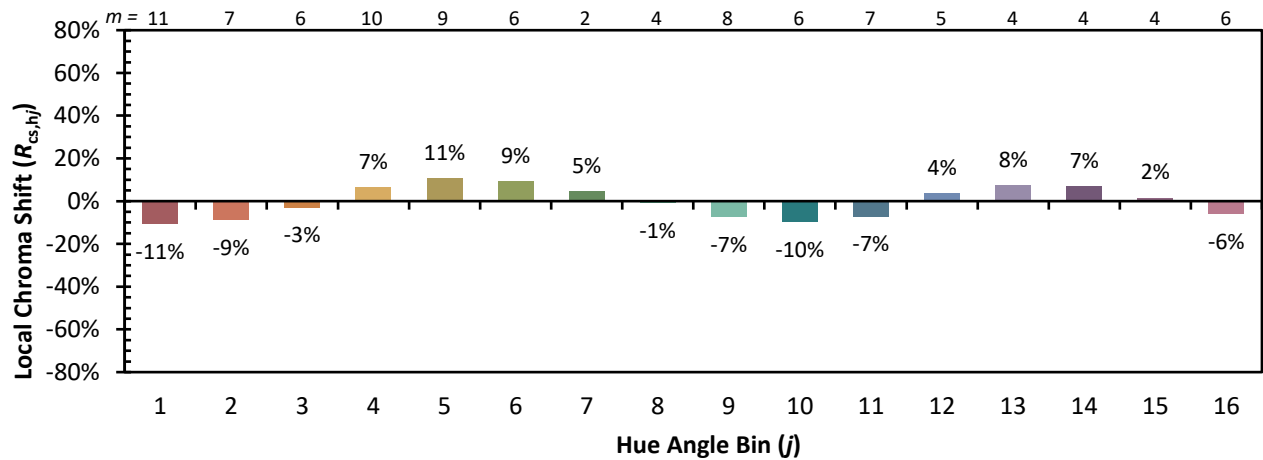


Individual Sample Fidelity Index ($R_{f,i}$)

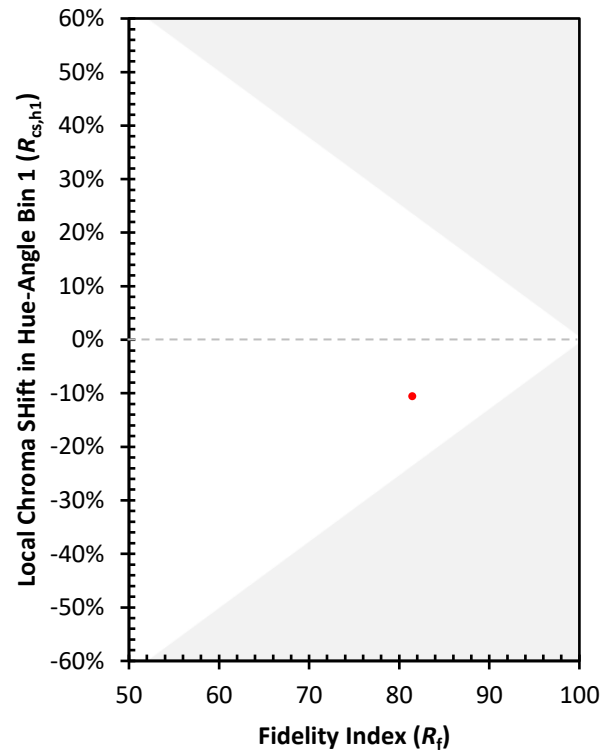
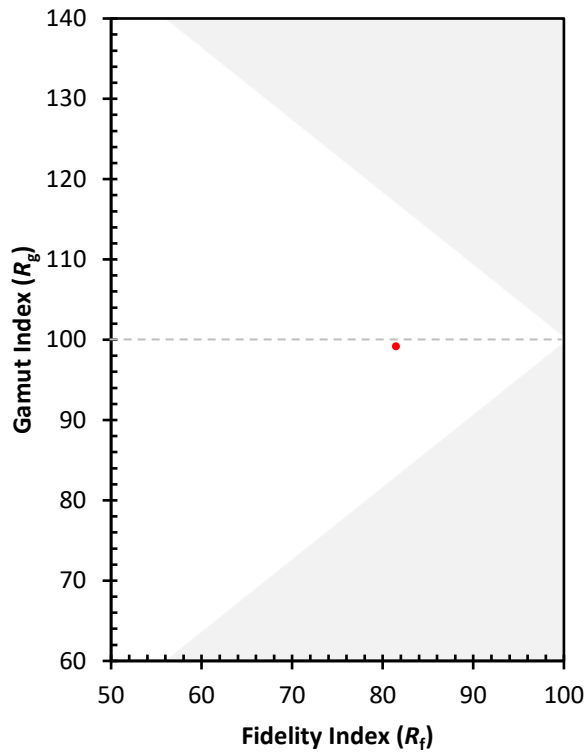
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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