

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: P1049117

Luminaire Tested: **GALN-SA5A-827-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049117
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-827-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13953.3 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

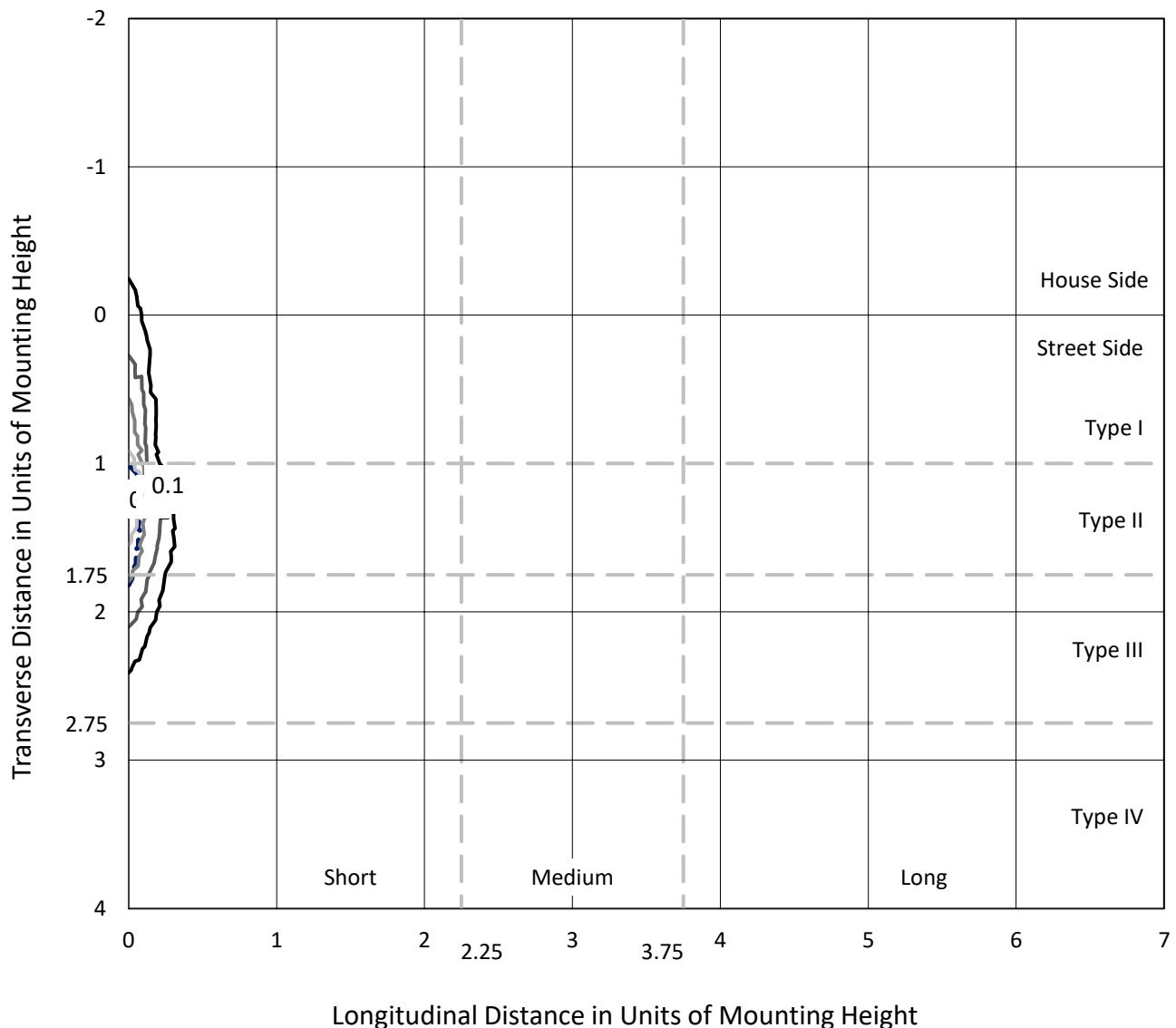
Input Watts (W): 136.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

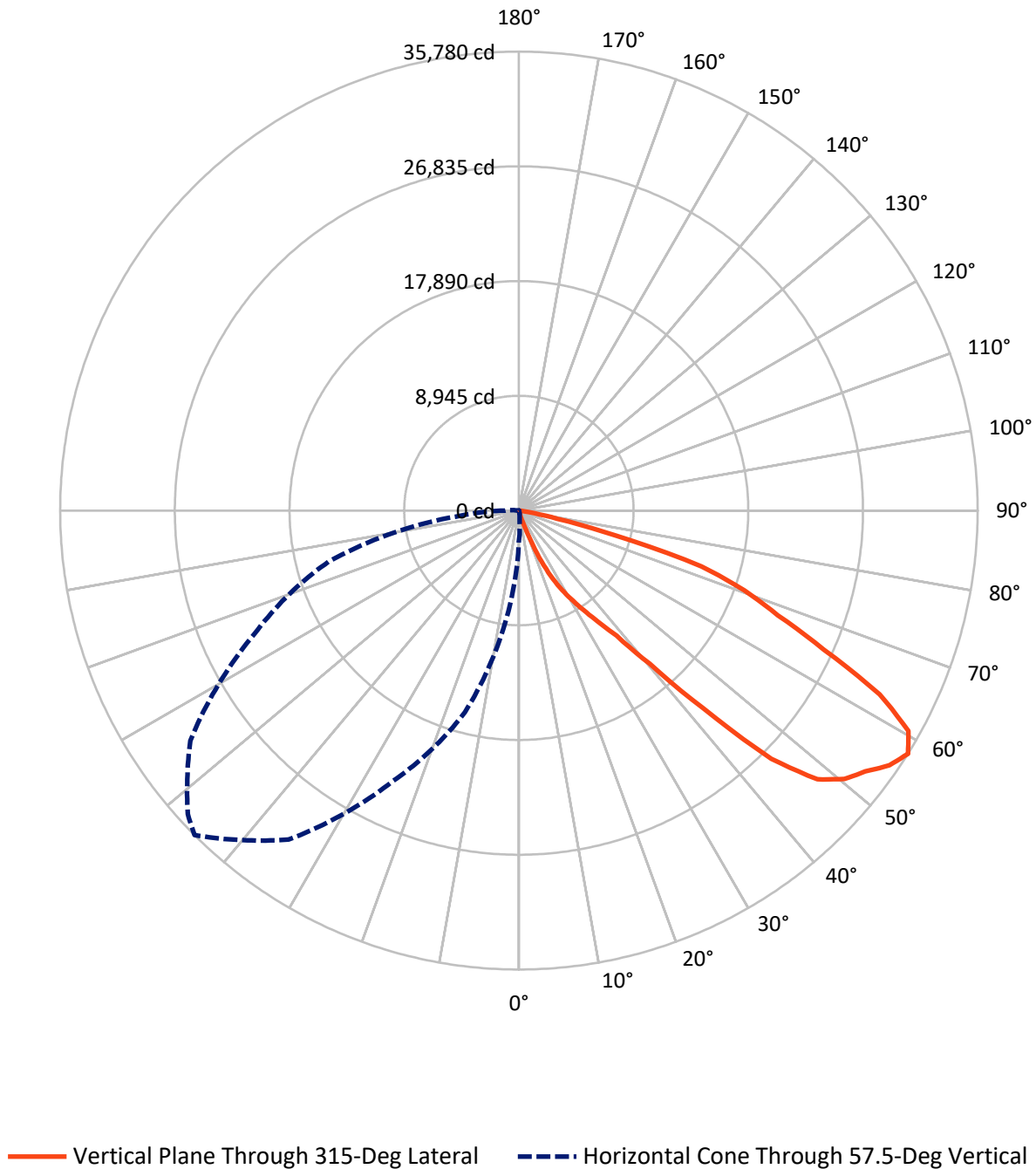


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.9	0.0	69.9
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	13883.5	0.0	13883.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	13953.3	0.0	13953.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.0
10°-20°	30.7	0.2
20°-30°	330.7	2.4
30°-40°	977.9	7.0
40°-50°	2914.3	20.9
50°-60°	4621.0	33.1
60°-70°	3857.4	27.6
70°-80°	1189.5	8.5
80°-90°	26.5	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°	13953.3	100.0
0°-180°	13953.3	100.0

Coefficient of Utilization



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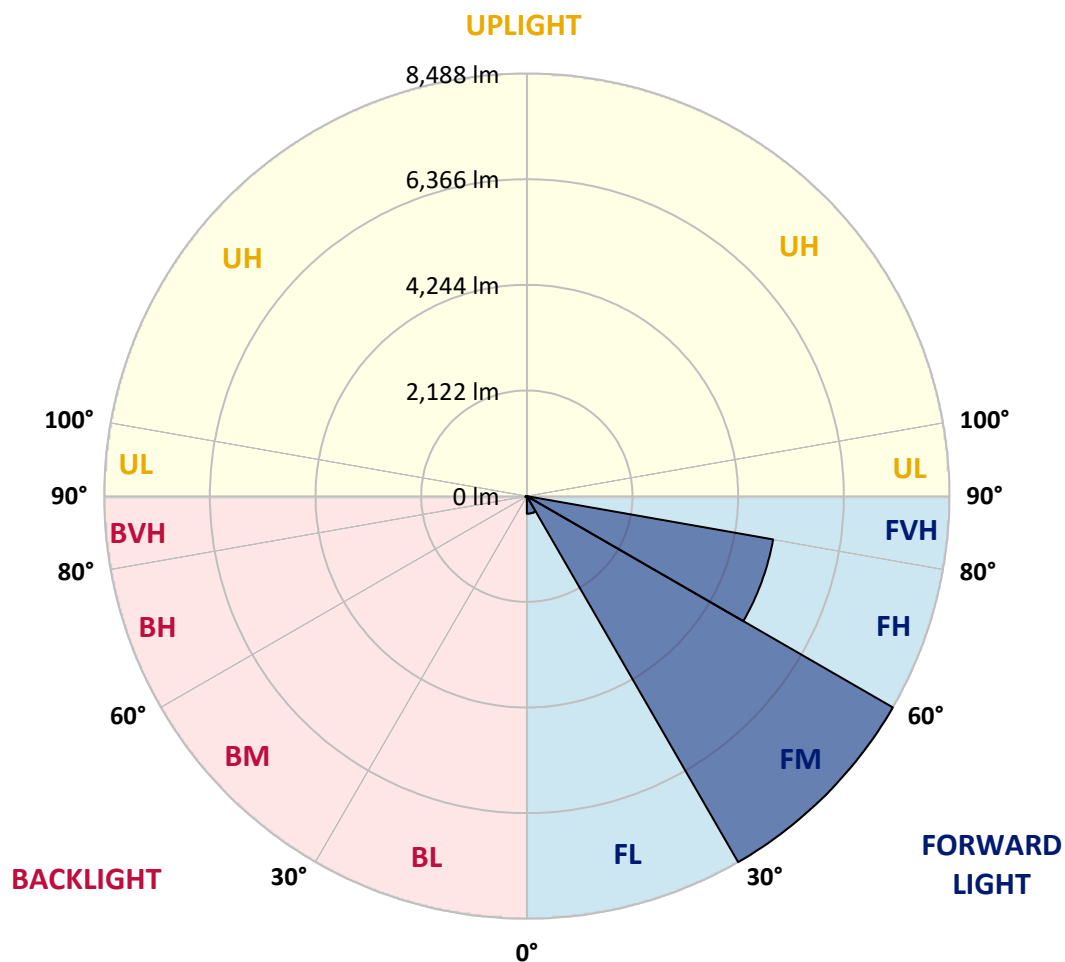
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.0	2.5			
FM	(30°-60°)	8488.2	60.8			
FH	(60°-80°)	5020.9	36.0			G3/7500
FVH	(80°-90°)	20.4	0.1			G1/100
BL	(0°-30°)	12.8	0.1	B0/110		
BM	(30°-60°)	25.0	0.2	B0/220		
BH	(60°-80°)	26.1	0.2	B0/110		G0/110
BVH	(80°-90°)	6.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	55.9	55.9	55.9	55.9	54.8	54.8	53.8	53.8	52.7	52.7
5°	59.0	59.0	58.0	56.9	56.9	55.9	54.8	53.8	53.8	52.7
7.5°	64.3	63.3	62.2	61.2	59.0	58.0	55.9	54.8	53.8	51.7
10°	70.6	68.5	66.4	64.3	62.2	60.1	58.0	56.9	54.8	53.8
12.5°	79.1	75.9	71.7	68.5	66.4	63.3	61.2	59.0	55.9	53.8
15°	86.5	82.2	77.0	72.8	69.6	65.4	62.2	59.0	56.9	53.8
17.5°	97.0	89.6	81.2	75.9	71.7	66.4	61.2	58.0	54.8	50.6
20°	114.9	100.2	84.4	78.0	71.7	65.4	59.0	54.8	51.7	47.4
22.5°	143.4	118.1	92.8	83.3	74.9	65.4	56.9	52.7	48.5	44.3
25°	198.2	152.9	107.6	94.9	82.2	69.6	56.9	51.7	47.4	42.2
27.5°	263.6	196.1	127.6	109.7	92.8	74.9	56.9	50.6	45.3	39.0
30°	330.0	240.4	149.7	126.5	103.3	80.1	56.9	49.6	43.2	35.9
32.5°	393.3	281.5	168.7	141.3	113.9	85.4	58.0	49.6	41.1	32.7
35°	457.6	315.3	171.9	143.4	114.9	85.4	56.9	47.4	39.0	29.5
37.5°	539.9	353.2	165.5	137.1	109.7	81.2	53.8	45.3	36.9	27.4
40°	664.3	416.5	168.7	139.2	109.7	80.1	50.6	42.2	34.8	26.4
42.5°	894.2	538.8	182.4	148.7	114.9	80.1	46.4	39.0	32.7	25.3
45°	1545.8	895.2	244.6	194.0	143.4	92.8	42.2	35.9	30.6	24.3
47.5°	2557.0	1498.4	439.7	339.5	240.4	140.2	41.1	35.9	30.6	24.3
50°	3263.5	1908.5	553.6	426.0	298.4	170.8	43.2	36.9	31.6	25.3
52.5°	3258.2	1938.1	616.8	473.4	331.1	187.7	45.3	39.0	33.7	27.4
55°	2896.6	1763.0	628.4	482.9	338.5	193.0	48.5	42.2	35.9	29.5
57.5°	2421.0	1497.3	573.6	443.9	315.3	185.6	55.9	48.5	42.2	34.8
60°	1914.9	1181.0	447.1	353.2	260.4	166.6	73.8	64.3	55.9	46.4
62.5°	1322.3	856.2	390.1	313.2	237.2	160.3	84.4	74.9	66.4	56.9
65°	935.3	644.3	352.2	286.8	222.5	157.1	91.7	81.2	71.7	61.2
67.5°	699.1	512.5	324.8	268.9	213.0	157.1	101.2	88.6	77.0	64.3
70°	535.7	420.7	304.7	259.4	215.1	169.8	124.4	106.5	89.6	71.7
72.5°	436.5	359.6	281.5	248.8	216.2	183.5	150.8	127.6	104.4	80.1
75°	361.7	307.9	254.1	226.7	200.3	172.9	145.5	124.4	104.4	83.3
77.5°	240.4	219.3	197.2	181.4	165.5	148.7	132.9	114.9	98.1	80.1
80°	84.4	81.2	78.0	84.4	90.7	97.0	103.3	90.7	79.1	66.4
82.5°	12.7	11.6	10.5	11.6	12.7	13.7	14.8	15.8	16.9	17.9
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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	51.7	51.7	50.6	50.6	50.6	49.6	49.6	48.5	48.5	48.5
0.0	5°	50.6	50.6	49.6	48.5	47.4	47.4	46.4	45.3	45.3	44.3
0.0	7.5°	49.6	48.5	47.4	46.4	45.3	44.3	43.2	42.2	42.2	41.1
0.0	10°	50.6	48.5	47.4	45.3	44.3	43.2	41.1	40.1	39.0	39.0
0.0	12.5°	48.5	47.4	45.3	43.2	42.2	40.1	39.0	36.9	35.9	35.9
0.0	15°	48.5	46.4	43.2	41.1	39.0	38.0	35.9	33.7	32.7	31.6
0.0	17.5°	45.3	43.2	40.1	38.0	35.9	33.7	31.6	29.5	28.5	27.4
0.0	20°	41.1	39.0	35.9	32.7	30.6	28.5	26.4	24.3	23.2	22.1
0.0	22.5°	36.9	34.8	31.6	28.5	26.4	24.3	21.1	19.0	17.9	15.8
0.0	25°	34.8	31.6	28.5	25.3	22.1	20.0	16.9	13.7	11.6	9.5
0.0	27.5°	29.5	26.4	23.2	20.0	16.9	13.7	10.5	7.4	5.3	4.2
0.0	30°	25.3	22.1	19.0	15.8	11.6	8.4	5.3	1.1	1.1	1.1
0.0	32.5°	21.1	17.9	13.7	10.5	8.4	5.3	3.2	0.0	0.0	0.0
0.0	35°	16.9	13.7	9.5	6.3	5.3	3.2	2.1	0.0	0.0	0.0
0.0	37.5°	14.8	11.6	7.4	3.2	2.1	2.1	1.1	0.0	0.0	0.0
0.0	40°	13.7	9.5	5.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0
0.0	42.5°	13.7	9.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	13.7	9.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	13.7	9.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	14.8	10.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	16.9	12.7	8.4	4.2	3.2	2.1	1.1	0.0	0.0	0.0
0.0	55°	21.1	19.0	15.8	13.7	10.5	7.4	3.2	0.0	0.0	0.0
0.0	57.5°	27.4	27.4	26.4	25.3	19.0	12.7	6.3	0.0	0.0	0.0
0.0	60°	36.9	36.9	36.9	36.9	27.4	19.0	9.5	0.0	0.0	0.0
0.0	62.5°	45.3	43.2	40.1	38.0	28.5	19.0	9.5	0.0	0.0	0.0
0.0	65°	45.3	41.1	35.9	30.6	23.2	15.8	7.4	0.0	0.0	0.0
0.0	67.5°	42.2	33.7	24.3	15.8	11.6	8.4	4.2	0.0	0.0	0.0
	70°	42.2	29.5	16.9	4.2	3.2	2.1	1.1	0.0	0.0	0.0
	72.5°	42.2	28.5	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	46.4	31.6	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	46.4	31.6	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	41.1	27.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	13.7	9.5	4.2	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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	47.4	47.4	47.4	46.4	46.4	46.4	46.4	45.3	45.3	45.3
0.0	5°	43.2	43.2	42.2	42.2	41.1	41.1	40.1	40.1	39.0	39.0
0.0	7.5°	40.1	39.0	39.0	38.0	36.9	36.9	35.9	35.9	34.8	33.7
0.0	10°	36.9	35.9	35.9	34.8	33.7	32.7	32.7	31.6	30.6	29.5
0.0	12.5°	33.7	32.7	31.6	30.6	29.5	28.5	28.5	27.4	26.4	25.3
0.0	15°	29.5	28.5	27.4	26.4	25.3	24.3	24.3	23.2	22.1	21.1
0.0	17.5°	25.3	24.3	24.3	23.2	22.1	21.1	20.0	17.9	16.9	15.8
0.0	20°	19.0	17.9	16.9	15.8	14.8	12.7	11.6	9.5	7.4	6.3
0.0	22.5°	12.7	10.5	9.5	7.4	5.3	4.2	3.2	1.1	0.0	0.0
0.0	25°	4.2	3.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	44.3	44.3	44.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2
0.0	5°	38.0	38.0	38.0	36.9	36.9	35.9	35.9	35.9	34.8	34.8
0.0	7.5°	32.7	31.6	31.6	30.6	30.6	29.5	29.5	29.5	28.5	28.5
0.0	10°	27.4	26.4	26.4	25.3	25.3	24.3	24.3	23.2	23.2	22.1
0.0	12.5°	24.3	23.2	22.1	21.1	21.1	20.0	19.0	19.0	17.9	16.9
0.0	15°	19.0	17.9	16.9	15.8	14.8	13.7	12.7	12.7	11.6	10.5
0.0	17.5°	12.7	10.5	9.5	8.4	8.4	7.4	6.3	5.3	4.2	3.2
0.0	20°	3.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	43.2	42.2	42.2	42.2	43.2	43.2	43.2	43.2	43.2	43.2
0.0	5°	34.8	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
0.0	7.5°	28.5	27.4	27.4	27.4	27.4	26.4	26.4	26.4	26.4	26.4
0.0	10°	22.1	21.1	21.1	21.1	21.1	20.0	20.0	20.0	20.0	20.0
0.0	12.5°	15.8	15.8	14.8	14.8	14.8	13.7	13.7	13.7	13.7	12.7
0.0	15°	9.5	8.4	7.4	7.4	7.4	6.3	6.3	6.3	6.3	5.3
0.0	17.5°	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	44.3	44.3	45.3	45.3	46.4	48.5	49.6	50.6	52.7	54.8
0.0	5°	34.8	35.9	35.9	36.9	38.0	39.0	40.1	41.1	43.2	45.3
0.0	7.5°	27.4	27.4	28.5	28.5	29.5	31.6	32.7	33.7	35.9	39.0
0.0	10°	21.1	21.1	22.1	22.1	23.2	25.3	26.4	27.4	29.5	32.7
0.0	12.5°	13.7	14.8	14.8	15.8	16.9	19.0	20.0	21.1	23.2	25.3
0.0	15°	6.3	7.4	7.4	8.4	9.5	11.6	12.7	13.7	15.8	19.0
0.0	17.5°	1.1	1.1	2.1	2.1	3.2	4.2	5.3	6.3	9.5	11.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	58.0	60.1	62.2	64.3	66.4	68.5	69.6	71.7	72.8	73.8
0.0	5°	49.6	51.7	54.8	56.9	59.0	61.2	63.3	64.3	65.4	66.4
0.0	7.5°	43.2	45.3	48.5	50.6	52.7	54.8	56.9	59.0	60.1	61.2
0.0	10°	36.9	40.1	42.2	45.3	47.4	49.6	51.7	53.8	55.9	56.9
0.0	12.5°	29.5	32.7	35.9	38.0	41.1	44.3	46.4	48.5	50.6	52.7
0.0	15°	23.2	26.4	29.5	31.6	34.8	38.0	41.1	43.2	45.3	47.4
0.0	17.5°	16.9	20.0	23.2	25.3	28.5	31.6	33.7	36.9	39.0	41.1
0.0	20°	8.4	11.6	14.8	17.9	21.1	24.3	26.4	29.5	31.6	33.7
0.0	22.5°	1.1	4.2	7.4	9.5	12.7	15.8	17.9	21.1	23.2	25.3
0.0	25°	0.0	1.1	3.2	4.2	5.3	7.4	9.5	11.6	13.7	15.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.1	4.2	6.3	8.4
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.1
	85°	0.0	0.0	0.0	0.0	0.0	2.1	3.2	5.3	6.3	7.4
	87.5°	0.0	1.1	2.1	3.2	4.2	6.3	8.4	10.5	11.6	12.7
	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



REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
61.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.1											
4.2											
9.5											
13.7											
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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	74.9	74.9	74.9	74.9	73.8	73.8	73.8	72.8	72.8	71.7
0.0	5°	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	68.5	68.5
0.0	7.5°	63.3	64.3	65.4	65.4	66.4	66.4	66.4	65.4	65.4	64.3
0.0	10°	60.1	61.2	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
0.0	12.5°	55.9	56.9	58.0	58.0	59.0	59.0	59.0	59.0	58.0	58.0
0.0	15°	50.6	52.7	53.8	54.8	54.8	55.9	55.9	55.9	55.9	55.9
0.0	17.5°	46.4	48.5	49.6	50.6	50.6	51.7	51.7	52.7	52.7	52.7
0.0	20°	38.0	40.1	41.1	43.2	44.3	45.3	46.4	47.4	47.4	48.5
0.0	22.5°	29.5	31.6	32.7	34.8	35.9	36.9	38.0	39.0	40.1	41.1
0.0	25°	21.1	23.2	24.3	26.4	27.4	28.5	29.5	30.6	30.6	31.6
0.0	27.5°	11.6	13.7	15.8	16.9	19.0	20.0	21.1	22.1	23.2	24.3
0.0	30°	5.3	6.3	7.4	9.5	10.5	11.6	12.7	14.8	15.8	16.9
0.0	32.5°	0.0	0.0	1.1	3.2	4.2	5.3	6.3	7.4	7.4	8.4
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2	4.2
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°	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	82.5°	5.3	6.3	7.4	7.4	8.4	8.4	8.4	8.4	7.4	7.4
	85°	10.5	11.6	12.7	12.7	13.7	13.7	13.7	13.7	13.7	13.7
	87.5°	14.8	15.8	16.9	16.9	17.9	17.9	17.9	17.9	17.9	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: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
61.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
3.2											
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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	70.6	70.6	69.6	69.6	69.6	69.6	69.6	70.6	71.7	71.7
0.0	5°	67.5	67.5	66.4	66.4	66.4	67.5	67.5	68.5	69.6	70.6
0.0	7.5°	64.3	63.3	63.3	64.3	64.3	65.4	65.4	66.4	67.5	68.5
0.0	10°	62.2	61.2	61.2	61.2	62.2	62.2	63.3	64.3	65.4	66.4
0.0	12.5°	58.0	58.0	58.0	58.0	59.0	59.0	60.1	61.2	63.3	64.3
0.0	15°	55.9	54.8	54.8	54.8	54.8	55.9	55.9	58.0	60.1	61.2
0.0	17.5°	51.7	51.7	50.6	50.6	51.7	51.7	52.7	54.8	56.9	58.0
0.0	20°	47.4	46.4	45.3	45.3	46.4	46.4	47.4	49.6	51.7	52.7
0.0	22.5°	41.1	40.1	40.1	40.1	40.1	41.1	41.1	43.2	46.4	48.5
0.0	25°	32.7	33.7	33.7	34.8	34.8	35.9	36.9	39.0	42.2	44.3
0.0	27.5°	25.3	26.4	26.4	28.5	29.5	30.6	31.6	34.8	38.0	40.1
0.0	30°	19.0	20.0	21.1	22.1	24.3	26.4	28.5	31.6	34.8	36.9
0.0	32.5°	11.6	13.7	14.8	16.9	19.0	21.1	23.2	26.4	30.6	33.7
0.0	35°	8.4	9.5	11.6	12.7	14.8	16.9	19.0	23.2	26.4	30.6
0.0	37.5°	4.2	6.3	8.4	10.5	12.7	14.8	16.9	21.1	25.3	28.5
0.0	40°	3.2	5.3	6.3	8.4	11.6	13.7	15.8	20.0	24.3	28.5
0.0	42.5°	2.1	3.2	4.2	7.4	9.5	12.7	15.8	20.0	24.3	28.5
0.0	45°	2.1	2.1	3.2	6.3	9.5	13.7	16.9	21.1	24.3	28.5
0.0	47.5°	2.1	3.2	4.2	8.4	10.5	13.7	16.9	20.0	24.3	27.4
0.0	50°	3.2	4.2	5.3	9.5	11.6	14.8	16.9	21.1	24.3	28.5
0.0	52.5°	2.1	3.2	4.2	8.4	11.6	15.8	19.0	23.2	27.4	30.6
0.0	55°	1.1	1.1	1.1	6.3	12.7	17.9	24.3	27.4	31.6	34.8
0.0	57.5°	0.0	0.0	0.0	4.2	12.7	20.0	27.4	31.6	35.9	39.0
0.0	60°	0.0	0.0	0.0	4.2	12.7	20.0	27.4	32.7	38.0	43.2
0.0	62.5°	0.0	0.0	0.0	4.2	10.5	16.9	23.2	31.6	41.1	49.6
0.0	65°	0.0	0.0	0.0	3.2	8.4	13.7	19.0	31.6	44.3	55.9
0.0	67.5°	0.0	0.0	0.0	3.2	8.4	12.7	17.9	31.6	44.3	58.0
	70°	0.0	0.0	0.0	3.2	8.4	13.7	19.0	31.6	44.3	56.9
	72.5°	0.0	0.0	0.0	3.2	9.5	14.8	21.1	31.6	42.2	52.7
	75°	0.0	0.0	0.0	4.2	9.5	15.8	22.1	31.6	41.1	49.6
	77.5°	0.0	0.0	0.0	3.2	9.5	14.8	21.1	30.6	40.1	48.5
	80°	3.2	2.1	2.1	5.3	9.5	13.7	17.9	27.4	38.0	47.4
	82.5°	6.3	6.3	5.3	7.4	9.5	12.7	15.8	24.3	33.7	42.2
	85°	12.7	12.7	11.6	12.7	12.7	13.7	14.8	19.0	23.2	27.4
	87.5°	16.9	16.9	15.8	15.8	15.8	14.8	14.8	14.8	14.8	13.7
	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):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
61.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.6											
63.3											
59.0											
58.0											
56.9											
50.6											
31.6											
13.7											
0.0											
0.0											
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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	73.8	74.9	74.9	75.9	77.0	78.0	78.0	79.1	79.1	79.1
0.0	5°	72.8	74.9	75.9	77.0	78.0	79.1	80.1	81.2	82.2	82.2
0.0	7.5°	71.7	72.8	74.9	75.9	78.0	79.1	81.2	82.2	83.3	84.4
0.0	10°	69.6	71.7	73.8	75.9	78.0	80.1	82.2	84.4	86.5	87.5
0.0	12.5°	67.5	70.6	72.8	74.9	78.0	81.2	83.3	86.5	88.6	90.7
0.0	15°	66.4	68.5	71.7	73.8	78.0	82.2	85.4	89.6	93.8	97.0
0.0	17.5°	63.3	67.5	70.6	73.8	78.0	83.3	87.5	91.7	98.1	104.4
0.0	20°	59.0	62.2	66.4	69.6	75.9	81.2	87.5	92.8	102.3	111.8
0.0	22.5°	54.8	59.0	62.2	66.4	73.8	80.1	87.5	93.8	109.7	124.4
0.0	25°	50.6	55.9	60.1	64.3	72.8	81.2	89.6	98.1	124.4	150.8
0.0	27.5°	48.5	52.7	58.0	62.2	72.8	84.4	94.9	105.4	147.6	188.7
0.0	30°	45.3	50.6	54.8	60.1	73.8	87.5	101.2	114.9	179.3	243.6
0.0	32.5°	42.2	47.4	52.7	58.0	75.9	93.8	110.7	128.6	213.0	296.3
0.0	35°	39.0	45.3	50.6	55.9	79.1	103.3	126.5	149.7	243.6	336.4
0.0	37.5°	38.0	44.3	49.6	54.8	80.1	104.4	129.7	153.9	246.7	339.5
0.0	40°	39.0	44.3	50.6	55.9	77.0	98.1	118.1	139.2	236.2	332.1
0.0	42.5°	39.0	45.3	51.7	58.0	74.9	91.7	108.6	125.5	233.0	340.6
0.0	45°	38.0	44.3	50.6	56.9	72.8	87.5	103.3	118.1	252.0	384.9
0.0	47.5°	36.9	43.2	49.6	55.9	71.7	87.5	103.3	119.2	325.8	531.4
0.0	50°	36.9	43.2	48.5	53.8	72.8	92.8	111.8	130.8	474.5	817.2
0.0	52.5°	39.0	44.3	48.5	52.7	74.9	98.1	120.2	142.3	603.1	1062.9
0.0	55°	42.2	45.3	49.6	52.7	80.1	106.5	133.9	160.3	642.2	1124.0
0.0	57.5°	46.4	49.6	52.7	55.9	89.6	123.4	156.1	189.8	645.3	1099.8
0.0	60°	51.7	55.9	59.0	62.2	98.1	135.0	170.8	206.7	584.2	960.6
0.0	62.5°	63.3	68.5	72.8	78.0	112.8	146.6	181.4	215.1	485.0	755.0
0.0	65°	72.8	77.0	81.2	85.4	119.2	153.9	187.7	221.4	411.2	601.0
0.0	67.5°	74.9	79.1	82.2	86.5	121.3	156.1	189.8	224.6	352.2	478.7
	70°	75.9	81.2	87.5	92.8	128.6	164.5	199.3	235.1	312.1	389.1
	72.5°	72.8	83.3	92.8	102.3	136.0	168.7	202.5	235.1	290.0	344.8
	75°	72.8	87.5	101.2	114.9	140.2	164.5	189.8	214.1	256.2	298.4
	77.5°	77.0	96.0	114.9	133.9	148.7	162.4	177.1	190.9	218.3	245.7
	80°	77.0	97.0	116.0	136.0	142.3	149.7	156.1	162.4	165.5	168.7
	82.5°	66.4	82.2	98.1	113.9	106.5	99.1	91.7	84.4	79.1	72.8
	85°	33.7	36.9	39.0	41.1	38.0	34.8	31.6	28.5	26.4	23.2
	87.5°	13.7	13.7	12.7	12.7	12.7	12.7	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: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
61.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
312.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
422.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
528.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
600.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
653.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
707.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
813.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1023.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1560.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2390.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3009.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3077.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2777.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2374.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1855.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1402.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1035.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
732.8											
545.1											
396.5											
298.4											
167.7											
75.9											
22.1											
10.5											
0.0											
0.0											
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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	79.1	78.0	78.0	77.0	75.9	74.9	73.8	72.8	71.7	70.6
0.0	5°	82.2	82.2	82.2	81.2	81.2	80.1	80.1	79.1	78.0	77.0
0.0	7.5°	85.4	86.5	86.5	87.5	87.5	87.5	87.5	86.5	86.5	86.5
0.0	10°	90.7	91.7	92.8	93.8	94.9	96.0	96.0	97.0	97.0	97.0
0.0	12.5°	97.0	100.2	102.3	105.4	107.6	110.7	112.8	116.0	118.1	120.2
0.0	15°	106.5	111.8	118.1	123.4	128.6	136.0	144.5	151.8	159.2	170.8
0.0	17.5°	120.2	137.1	153.9	169.8	186.6	223.5	260.4	296.3	333.2	387.0
0.0	20°	146.6	197.2	246.7	297.4	346.9	476.6	605.2	734.9	863.6	1001.7
0.0	22.5°	205.6	330.0	454.5	578.9	703.3	974.3	1244.2	1515.2	1785.2	2102.6
0.0	25°	298.4	527.2	756.0	983.8	1212.6	1636.5	2061.4	2485.3	2909.2	3321.5
0.0	27.5°	434.4	784.5	1134.6	1483.6	1833.7	2408.3	2984.1	3558.7	4133.4	4599.5
0.0	30°	602.1	1076.6	1551.1	2025.6	2500.1	3153.8	3807.6	4460.3	5114.0	5623.3
0.0	32.5°	760.3	1341.3	1922.2	2502.2	3083.2	3827.6	4573.1	5317.6	6062.0	6618.7
0.0	35°	863.6	1565.8	2269.2	2971.4	3673.7	4479.3	5284.9	6089.4	6895.0	7530.8
0.0	37.5°	966.9	1777.8	2587.6	3398.5	4208.3	5093.0	5977.6	6862.3	7747.0	8532.5
0.0	40°	1082.9	2034.0	2984.1	3935.2	4885.2	5933.3	6980.4	8028.5	9075.6	10183.8
0.0	42.5°	1284.3	2459.0	3634.7	4809.3	5984.0	7370.6	8757.1	10142.7	11529.3	13110.9
0.0	45°	1662.9	3318.3	4974.9	6630.3	8285.8	10122.6	11960.5	13797.4	15634.2	17738.9
0.0	47.5°	2589.7	4867.3	7143.8	9421.4	11698.0	13681.4	15663.7	17647.1	19629.5	21725.7
0.0	50°	3962.6	6613.5	9264.3	11914.1	14565.0	16359.7	18153.3	19947.9	21741.5	23735.5
0.0	52.5°	4955.9	7717.5	10480.1	13241.7	16003.3	17622.9	19243.6	20863.2	22482.8	24346.0
0.0	55°	5030.7	7776.5	10523.3	13269.1	16014.9	17641.9	19268.9	20895.9	22522.9	24497.9
0.0	57.5°	4454.0	7177.6	9900.2	12623.8	15346.4	17199.0	19050.6	20903.3	22754.9	24890.1
0.0	60°	3788.6	6513.3	9236.9	11961.6	14685.2	16819.4	18954.7	21088.8	23223.0	25223.3
0.0	62.5°	2955.6	5758.3	8562.1	11364.8	14167.5	16334.4	18501.2	20667.1	22833.9	24334.4
0.0	65°	2202.7	4924.2	7645.8	10366.2	13087.7	14823.3	16559.0	18293.5	20029.1	20958.1
0.0	67.5°	1592.2	3939.4	6285.5	8632.7	10978.9	12221.0	13463.1	14704.2	15946.3	16657.0
	70°	1076.6	2702.5	4327.4	5953.4	7578.3	8599.0	9620.7	10641.4	11662.1	12621.7
	72.5°	745.5	1658.6	2572.8	3486.0	4399.1	5426.2	6452.1	7479.2	8505.1	9520.6
	75°	494.5	910.0	1326.5	1741.9	2157.4	2917.6	3678.9	4439.2	5199.5	5804.7
	77.5°	351.1	475.6	601.0	725.5	849.9	992.2	1135.6	1278.0	1420.3	1636.5
	80°	166.6	182.4	198.2	213.0	228.8	280.5	332.1	383.8	435.5	490.3
	82.5°	79.1	85.4	91.7	97.0	103.3	108.6	113.9	119.2	124.4	119.2
	85°	21.1	21.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	21.1
	87.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	8.4	8.4	7.4
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
61.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
439.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1140.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2419.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3733.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5065.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6133.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7176.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8166.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9319.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11292.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14692.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19843.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23822.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25729.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26209.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26473.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27025.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27222.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25835.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21888.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17368.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13580.2											
10536.0											
6410.0											
1852.7											
545.1											
112.8											
20.0											
7.4											
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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	2.5°	68.5	67.5	66.4	65.4	64.3	62.2	62.2	61.2	61.2
0.0	5°	74.9	73.8	72.8	71.7	71.7	70.6	69.6	69.6	68.5
0.0	7.5°	85.4	84.4	83.3	82.2	82.2	81.2	81.2	80.1	80.1
0.0	10°	98.1	98.1	98.1	98.1	98.1	97.0	97.0	97.0	96.0
0.0	12.5°	123.4	124.4	126.5	128.6	131.8	131.8	131.8	130.8	130.8
0.0	15°	195.1	206.7	215.1	223.5	230.9	247.8	245.7	242.5	240.4
0.0	17.5°	493.5	546.2	574.7	602.1	630.6	708.6	695.9	683.3	671.7
0.0	20°	1279.0	1417.2	1508.9	1600.6	1693.4	1840.0	1804.2	1768.3	1732.4
0.0	22.5°	2736.3	3053.7	3191.8	3329.9	3467.0	3644.2	3529.2	3414.3	3300.4
0.0	25°	4145.0	4557.3	4790.3	5023.4	5255.3	5356.6	5206.8	5056.1	4906.3
0.0	27.5°	5531.6	5997.7	6203.3	6407.8	6613.5	6825.4	6639.8	6453.2	6267.6
0.0	30°	6643.0	7152.3	7374.8	7596.2	7818.7	7966.3	7774.4	7581.4	7389.5
0.0	32.5°	7733.3	8290.0	8533.6	8777.2	9019.7	9231.6	8995.4	8758.2	8522.0
0.0	35°	8801.4	9437.3	9772.6	10107.9	10443.2	10640.4	10359.9	10078.4	9797.9
0.0	37.5°	10104.7	10890.3	11265.7	11641.0	12016.4	12376.0	12067.0	11757.0	11448.1
0.0	40°	12400.2	13508.5	14084.2	14661.0	15236.7	15700.6	15310.5	14920.4	14530.2
0.0	42.5°	16274.3	17855.9	18683.7	19510.3	20338.1	21062.5	20652.3	20242.1	19831.9
0.0	45°	21948.2	24052.9	25062.0	26070.0	27079.1	27608.5	27018.0	26426.4	25835.9
0.0	47.5°	25917.1	28013.4	28911.7	29810.1	30708.5	31312.7	30590.4	29868.1	29146.9
0.0	50°	27722.3	29716.3	30617.8	31518.3	32419.9	32899.7	32065.6	31230.5	30396.4
0.0	52.5°	28071.4	29934.6	31010.1	32086.7	33162.2	33803.3	32818.5	31832.6	30847.7
0.0	55°	28448.8	30423.8	31671.2	32919.7	34167.1	35054.9	33941.4	32826.9	31713.4
0.0	57.5°	29159.5	31294.8	32539.0	33782.2	35026.5	35780.4	34663.7	33546.0	32429.4
0.0	60°	29222.8	31222.0	32291.2	33361.5	34430.7	34905.2	33837.0	32767.8	31699.7
0.0	62.5°	27336.4	28836.9	29579.2	30321.5	31063.9	31579.5	30464.9	29349.3	28234.8
0.0	65°	22817.1	23746.0	24337.6	24929.1	25520.7	26135.4	25114.7	24094.0	23073.3
0.0	67.5°	18079.5	18790.2	19569.4	20348.6	21127.9	21784.8	20967.6	20149.3	19332.1
	70°	14539.7	15498.2	16374.4	17250.7	18126.9	18664.7	17844.3	17022.9	16202.6
	72.5°	11551.4	12566.8	13298.6	14029.4	14761.1	14892.9	14289.8	13686.7	13084.6
	75°	7014.1	7619.4	7634.2	7647.9	7662.6	7788.1	7288.3	6788.5	6289.7
	77.5°	2068.8	2285.0	2463.2	2640.3	2818.5	3033.6	2850.2	2665.6	2482.2
	80°	598.9	653.8	700.1	745.5	791.9	764.5	721.2	678.0	634.8
	82.5°	107.6	101.2	100.2	99.1	99.1	93.8	85.4	77.0	68.5
	85°	19.0	17.9	16.9	15.8	14.8	13.7	11.6	10.5	8.4
	87.5°	6.3	5.3	4.2	3.2	3.2	1.1	1.1	1.1	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	0.0	2.5°	60.1	59.0	59.0	59.0	59.0	58.0	58.0	58.0	58.0
0.0	0.0	5°	66.4	66.4	65.4	65.4	64.3	64.3	63.3	63.3	62.2
0.0	0.0	7.5°	78.0	77.0	75.9	74.9	73.8	71.7	70.6	69.6	69.6
0.0	0.0	10°	93.8	91.7	90.7	88.6	87.5	85.4	83.3	81.2	79.1
0.0	0.0	12.5°	123.4	119.2	116.0	111.8	107.6	104.4	100.2	97.0	92.8
0.0	0.0	15°	214.1	203.5	191.9	178.2	163.4	149.7	135.0	126.5	117.0
0.0	0.0	17.5°	547.3	492.4	436.5	391.2	345.9	301.6	256.2	223.5	190.9
0.0	0.0	20°	1392.9	1241.1	1089.2	939.5	788.7	639.0	488.2	412.3	336.4
0.0	0.0	22.5°	2621.3	2339.8	2057.2	1784.1	1510.0	1236.9	963.8	791.9	621.1
0.0	0.0	25°	4045.9	3691.6	3337.3	2888.1	2437.9	1988.7	1539.5	1260.1	980.6
0.0	0.0	27.5°	5264.8	4856.8	4448.7	3902.5	3356.3	2810.1	2263.9	1847.4	1431.9
0.0	0.0	30°	6320.3	5881.7	5443.0	4807.2	4171.4	3535.5	2899.7	2378.8	1857.9
0.0	0.0	32.5°	7235.6	6710.5	6185.4	5529.5	4873.6	4217.8	3561.9	2922.9	2283.9
0.0	0.0	35°	8291.1	7678.4	7064.8	6337.2	5608.6	4881.0	4153.4	3432.2	2709.9
0.0	0.0	37.5°	9632.3	8880.5	8127.6	7316.8	6505.9	5696.1	4885.2	4060.7	3236.1
0.0	0.0	40°	12199.9	11229.8	10259.7	9229.5	8198.3	7168.1	6137.9	5125.6	4113.4
0.0	0.0	42.5°	16800.4	15489.8	14179.1	12808.3	11436.5	10065.7	8693.9	7266.2	5837.4
0.0	0.0	45°	21992.5	20366.6	18739.5	17201.1	15661.6	14123.2	12584.8	10625.6	8666.5
0.0	0.0	47.5°	24912.3	23156.6	21401.0	19944.8	18488.6	17032.4	15576.2	13464.2	11352.1
0.0	0.0	50°	25986.7	24199.4	22412.2	21072.0	19730.7	18390.5	17049.3	14934.1	12817.8
0.0	0.0	52.5°	26215.5	24392.4	22569.3	21220.6	19872.0	18524.4	17175.8	15074.3	12972.8
0.0	0.0	55°	26685.8	24729.8	22772.8	21235.4	19698.0	18160.7	16623.3	14488.0	12352.8
0.0	0.0	57.5°	27300.6	25295.0	23289.5	21538.0	19786.6	18036.2	16284.8	13950.3	11615.7
0.0	0.0	60°	27139.2	25394.1	23648.0	21772.1	19895.2	18019.4	16142.5	13574.9	11006.3
0.0	0.0	62.5°	24338.6	22948.9	21558.1	20015.4	18471.7	16929.1	15386.4	12742.9	10099.4
0.0	0.0	65°	20022.8	19008.4	17994.1	16753.0	15510.8	14269.8	13028.7	10658.3	8289.0
0.0	0.0	67.5°	16227.9	15084.8	13940.8	12951.7	11961.6	10972.5	9982.4	8117.1	6251.8
		70°	12892.7	11649.5	10405.2	9439.4	8472.4	7506.6	6540.7	5300.7	4061.7
		72.5°	10238.6	9117.8	7996.9	6966.7	5935.5	4905.3	3874.0	3141.2	2408.3
		75°	4893.7	4445.5	3997.4	3458.6	2919.8	2380.9	1842.1	1522.6	1204.2
		77.5°	1813.6	1572.2	1329.7	1110.3	891.0	672.7	453.4	415.5	377.5
		80°	469.2	409.1	348.0	304.7	260.4	217.2	174.0	157.1	141.3
		82.5°	53.8	49.6	46.4	44.3	41.1	39.0	35.9	32.7	29.5
		85°	3.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049117

CATALOG NUMBER: GALN-SA5A-827-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	61.2	61.2
0.0	0.0	2.5°	56.9	55.9
0.0	0.0	5°	60.1	59.0
0.0	0.0	7.5°	66.4	64.3
0.0	0.0	10°	72.8	70.6
0.0	0.0	12.5°	82.2	79.1
0.0	0.0	15°	92.8	86.5
0.0	0.0	17.5°	110.7	97.0
0.0	0.0	20°	149.7	114.9
0.0	0.0	22.5°	210.9	143.4
0.0	0.0	25°	310.0	198.2
0.0	0.0	27.5°	431.3	263.6
0.0	0.0	30°	573.6	330.0
0.0	0.0	32.5°	699.1	393.3
0.0	0.0	35°	862.5	457.6
0.0	0.0	37.5°	1063.9	539.9
0.0	0.0	40°	1376.0	664.3
0.0	0.0	42.5°	1938.1	894.2
0.0	0.0	45°	3147.5	1545.8
0.0	0.0	47.5°	4843.1	2557.0
0.0	0.0	50°	5924.9	3263.5
0.0	0.0	52.5°	6013.5	3258.2
0.0	0.0	55°	5489.4	2896.6
0.0	0.0	57.5°	4683.8	2421.0
0.0	0.0	60°	3893.0	1914.9
0.0	0.0	62.5°	3067.4	1322.3
0.0	0.0	65°	2241.7	935.3
0.0	0.0	67.5°	1610.1	699.1
		70°	1058.7	535.7
		72.5°	689.6	436.5
		75°	464.0	361.7
		77.5°	271.0	240.4
		80°	96.0	84.4
		82.5°	17.9	12.7
		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: P1049117

CATALOG NUMBER: GALN-SA5A-827-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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

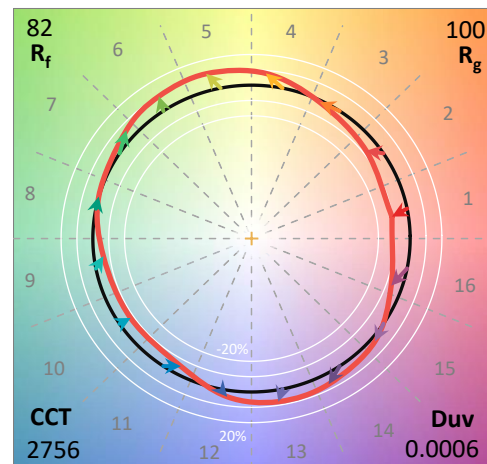
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 Rf: 82.2
 Rg: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

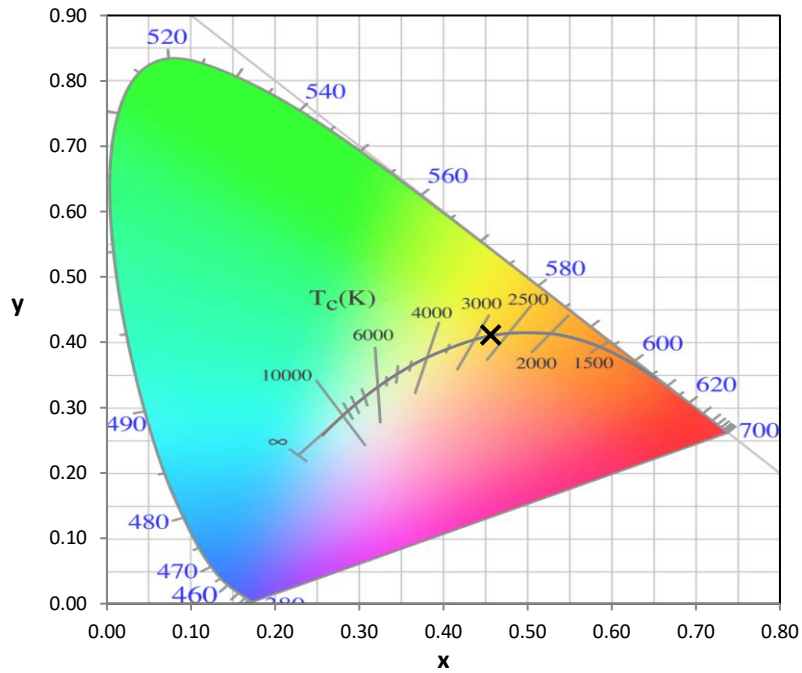
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

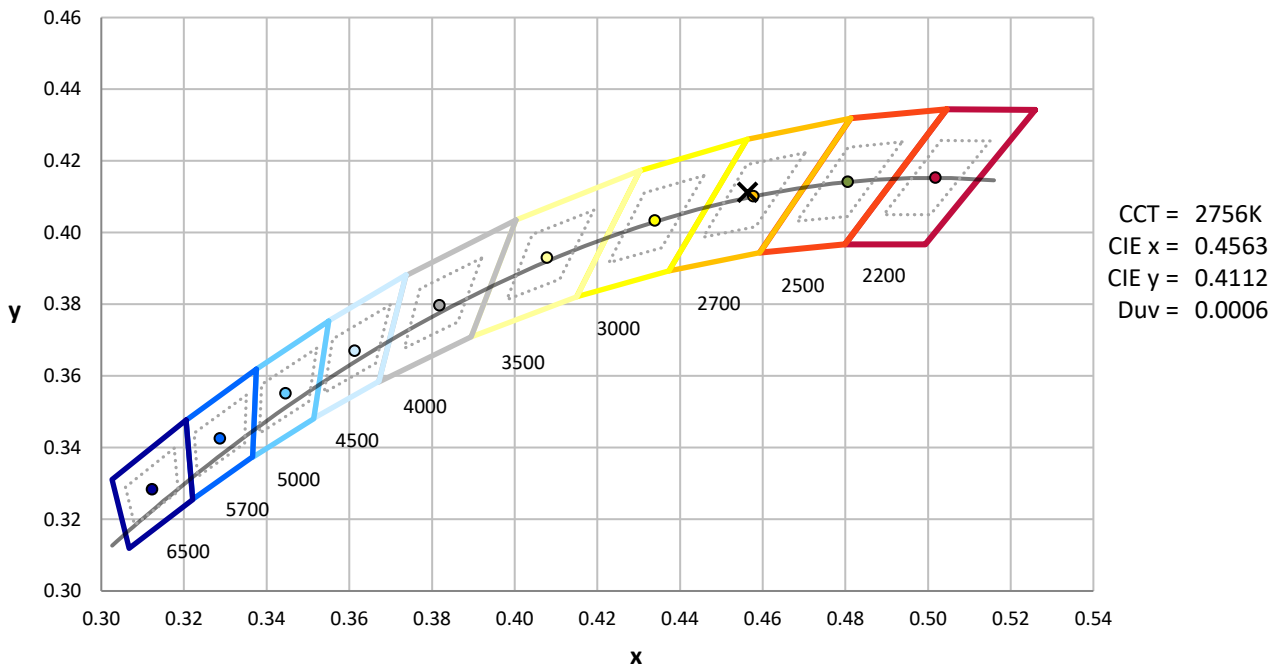
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



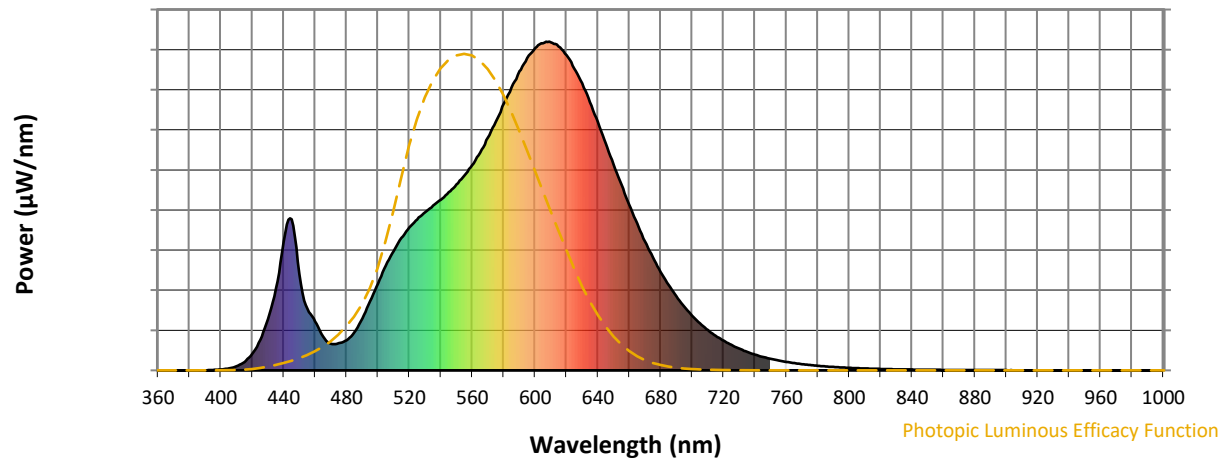
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

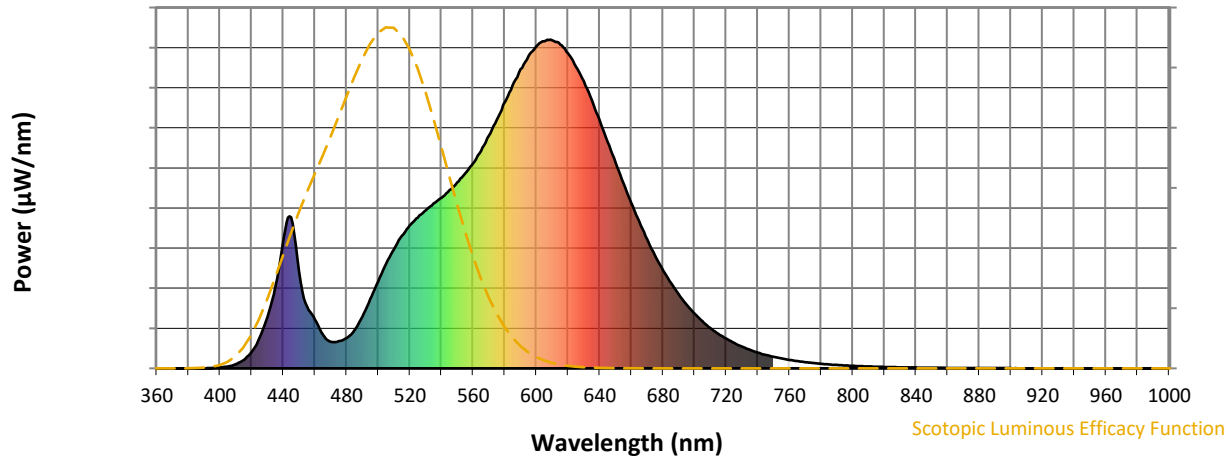


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength



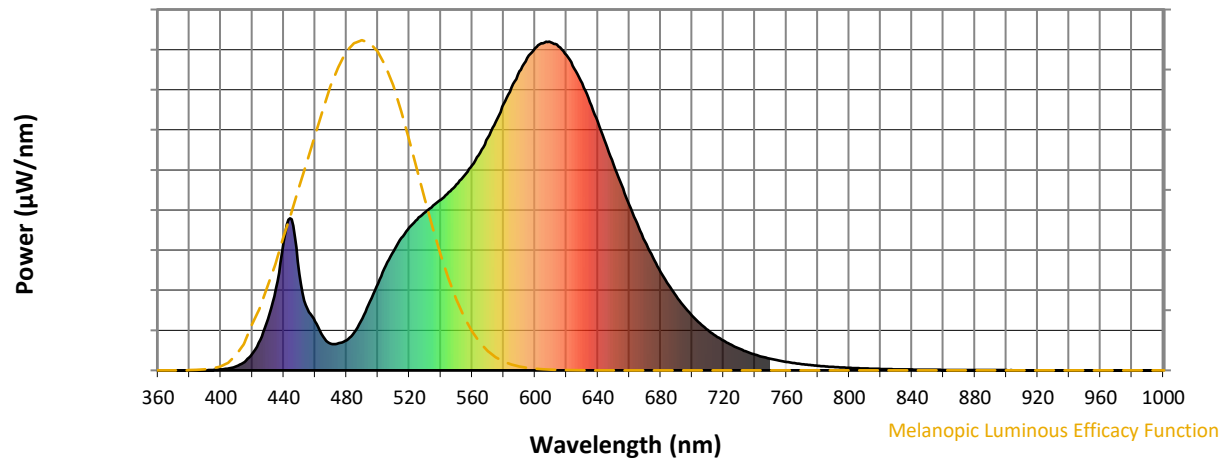
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

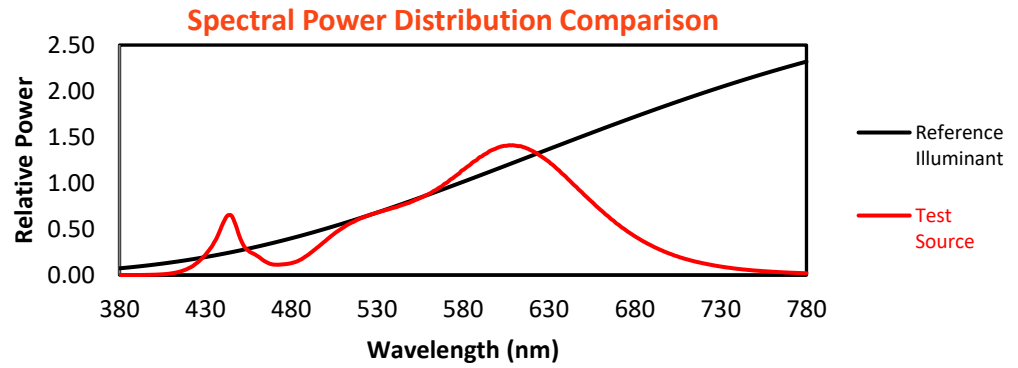
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

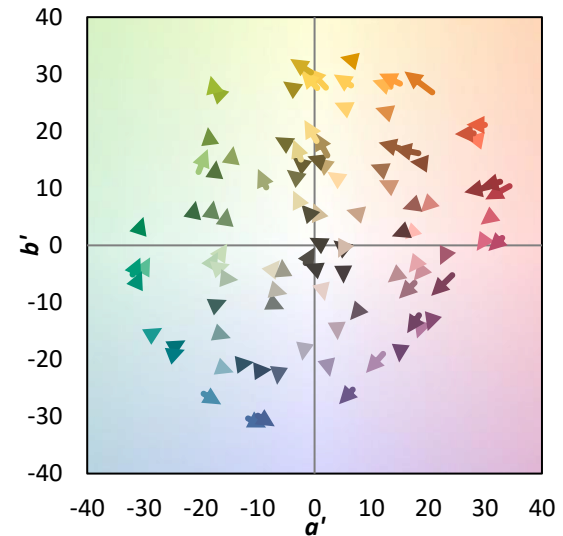
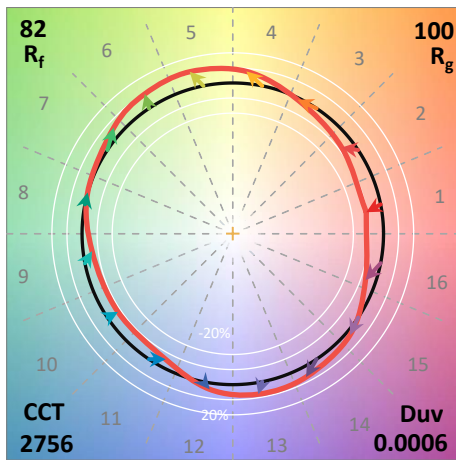
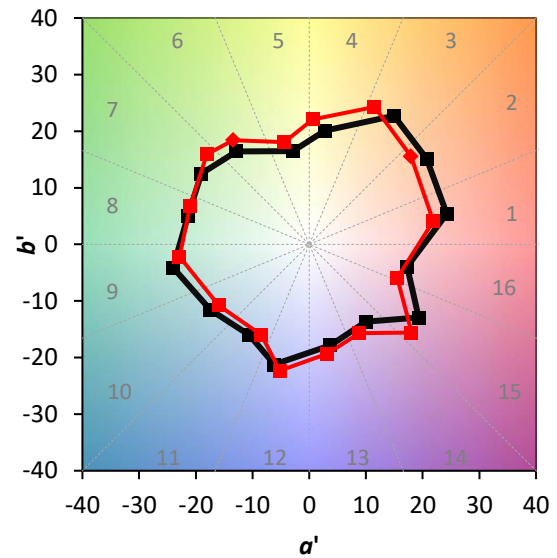
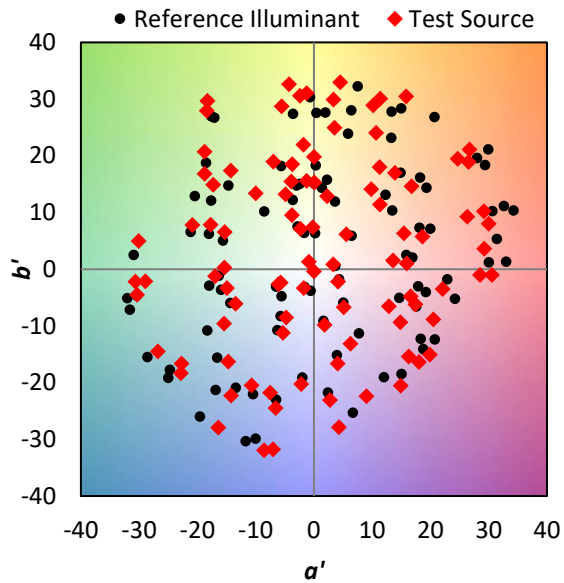
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

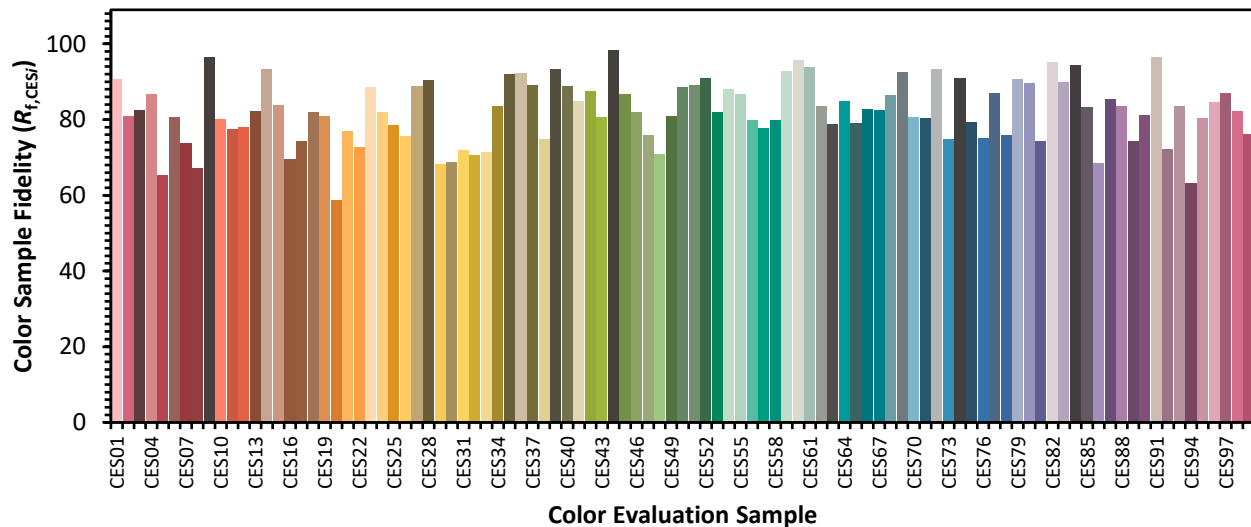


Color Vector Graphics

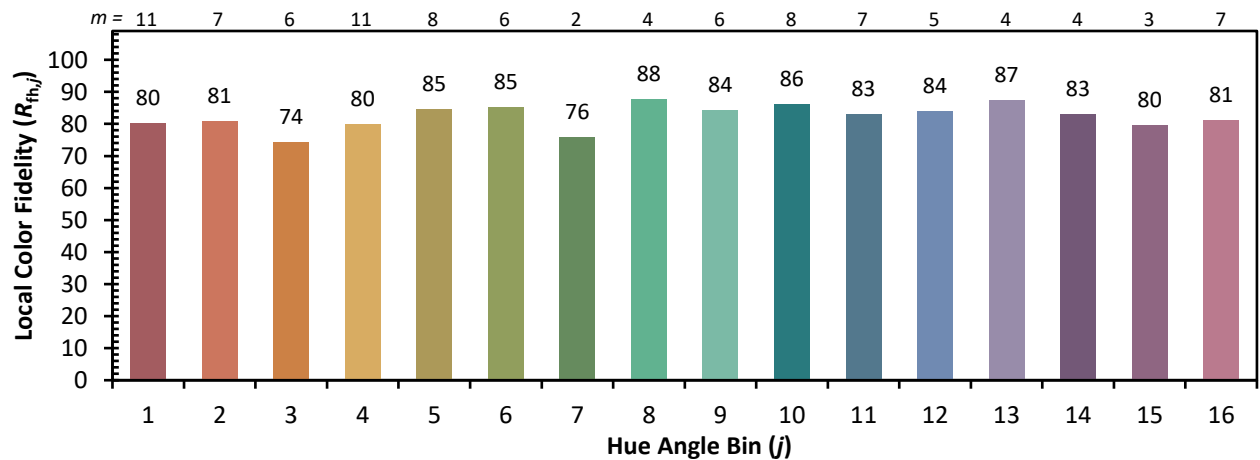
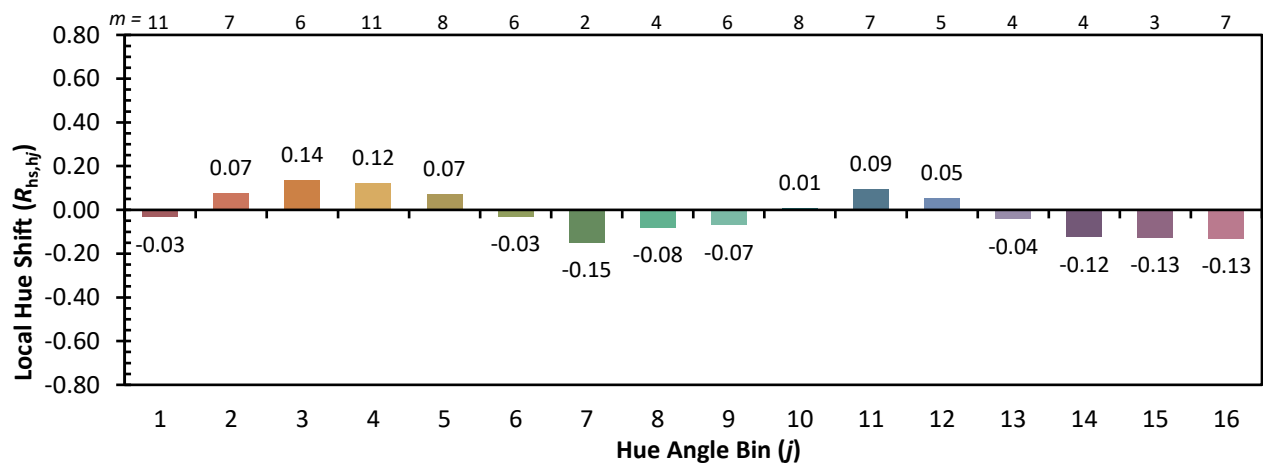
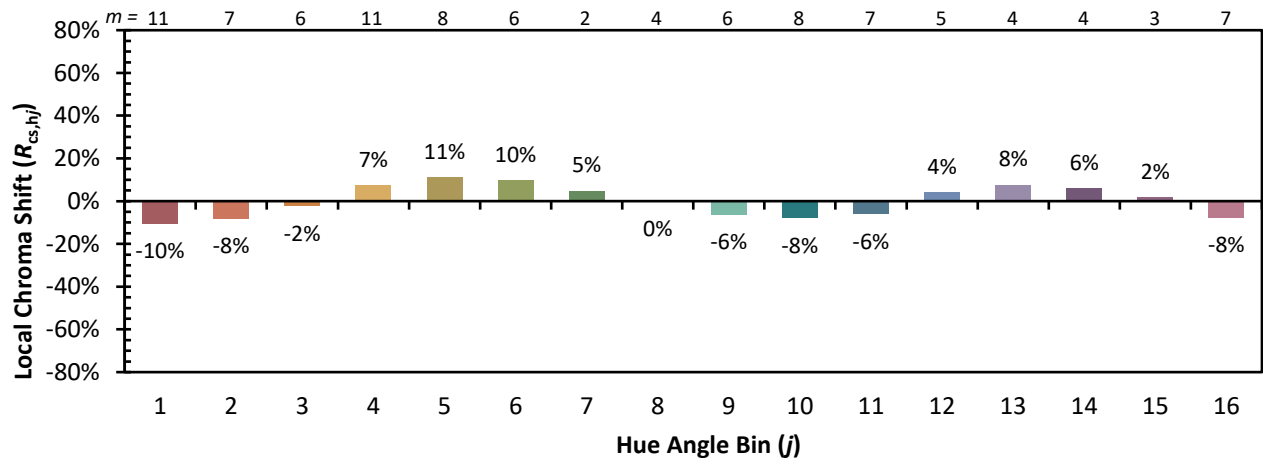


Individual Sample Fidelity Index ($R_{f,i}$)

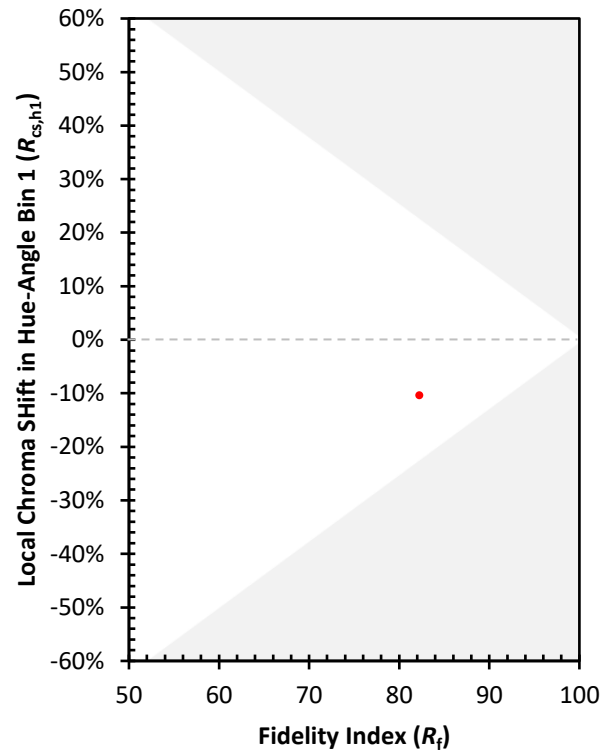
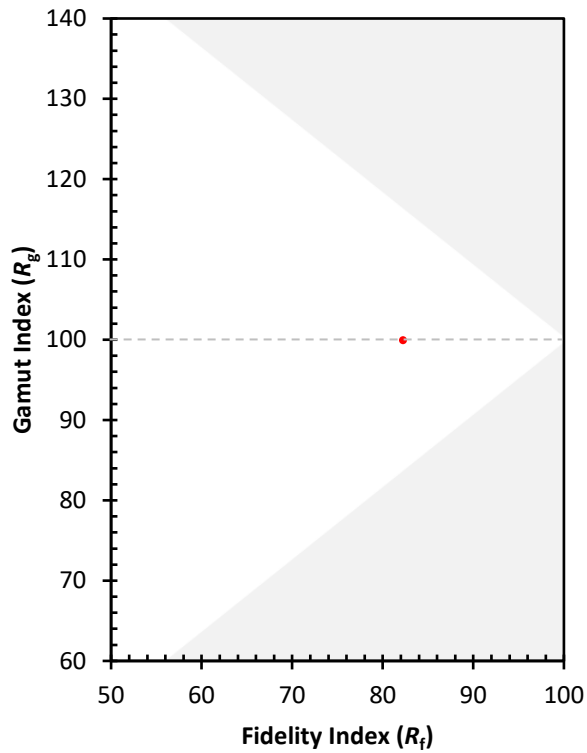
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)