

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: P1049113

Luminaire Tested: **GALN-SA4A-827-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049113
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-827-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11432.1 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

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

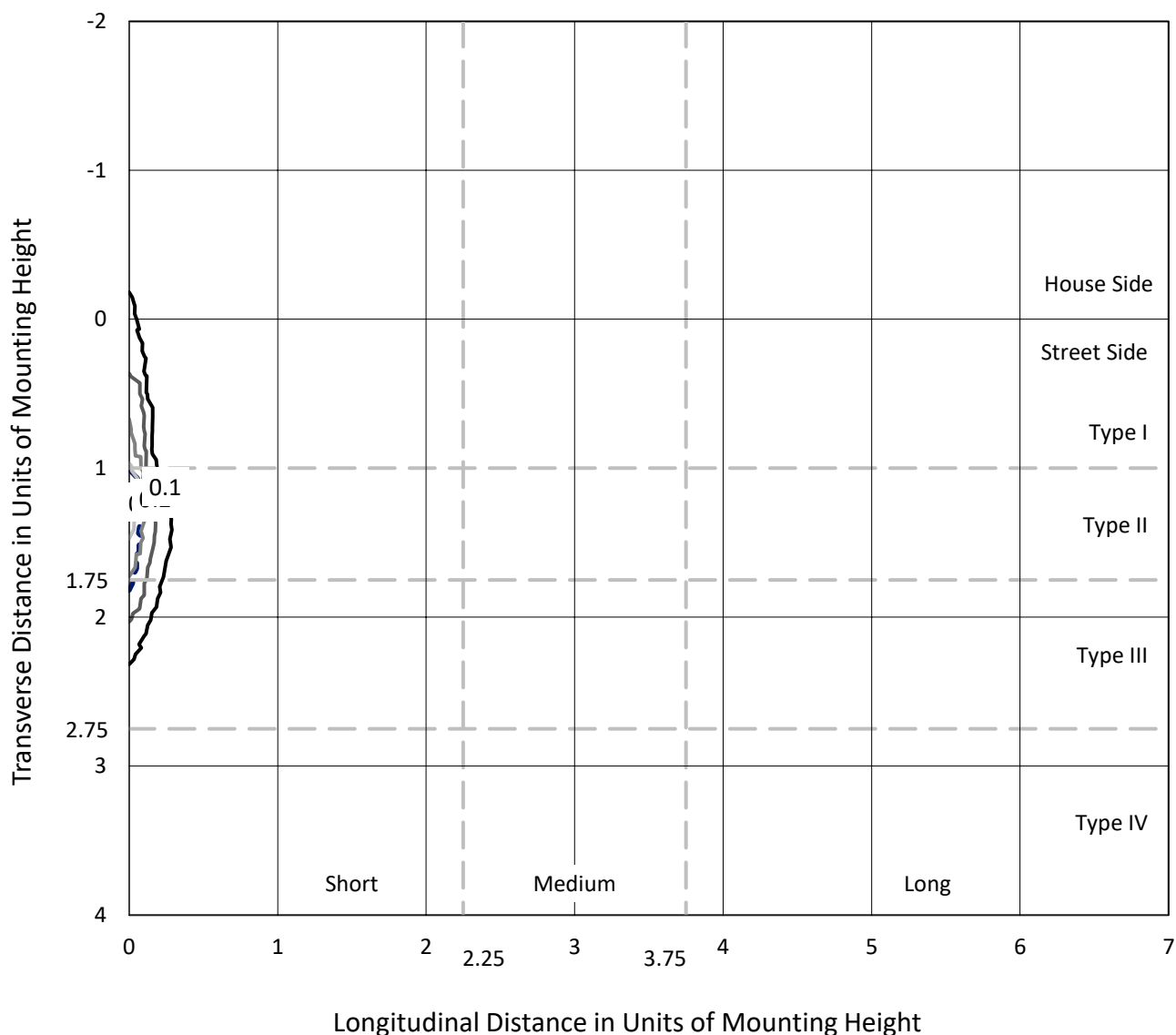
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

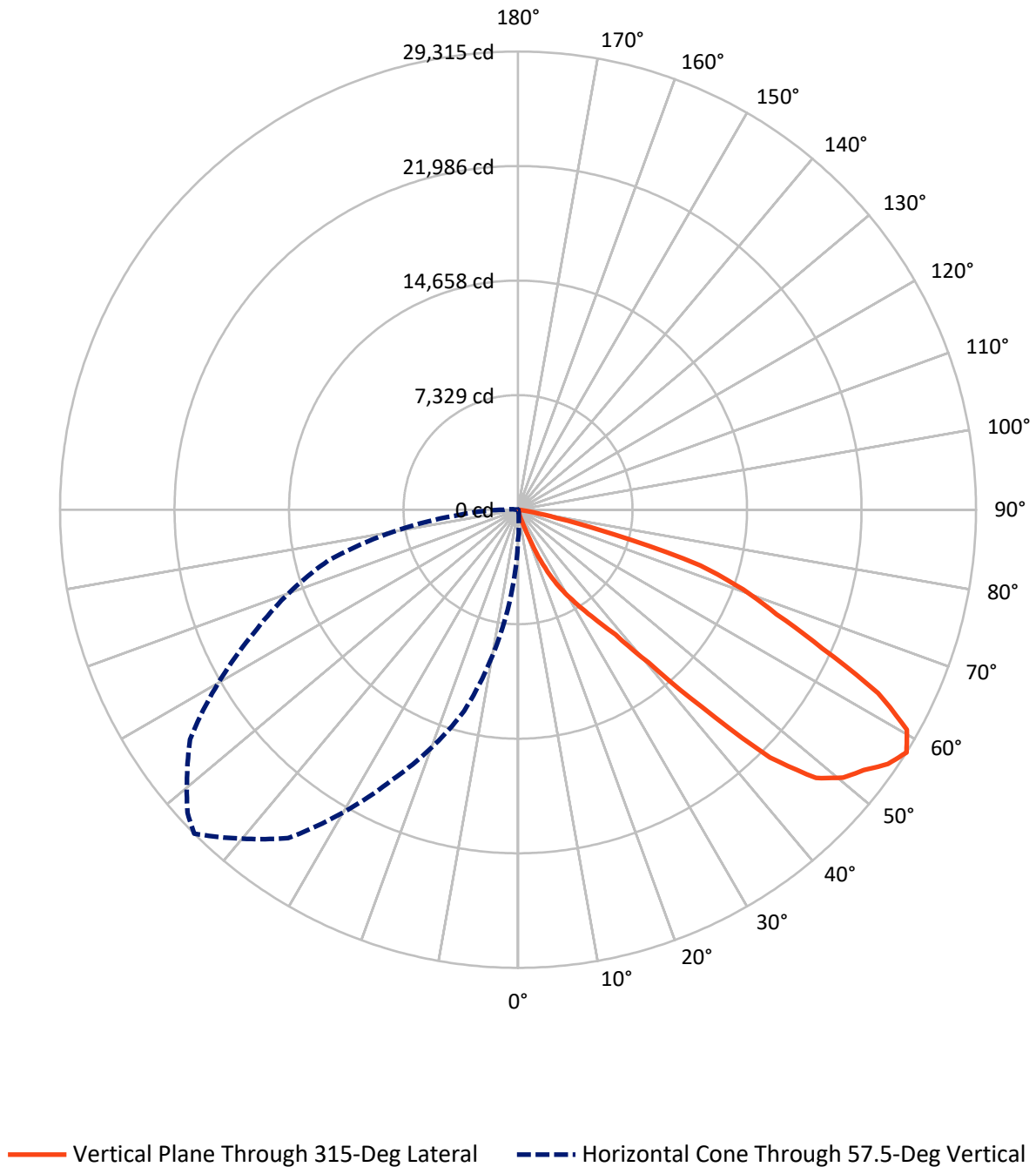


Based on 20 foot mounting height. Maximum calculated value = 1.7 fc

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	57.2	0.0	57.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	11374.8	0.0	11374.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	11432.1	0.0	11432.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	25.1	0.2
20°-30°	270.9	2.4
30°-40°	801.2	7.0
40°-50°	2387.7	20.9
50°-60°	3786.0	33.1
60°-70°	3160.4	27.6
70°-80°	974.6	8.5
80°-90°	21.7	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°	11432.1	100.0
0°-180°	11432.1	100.0

Coefficient of Utilization



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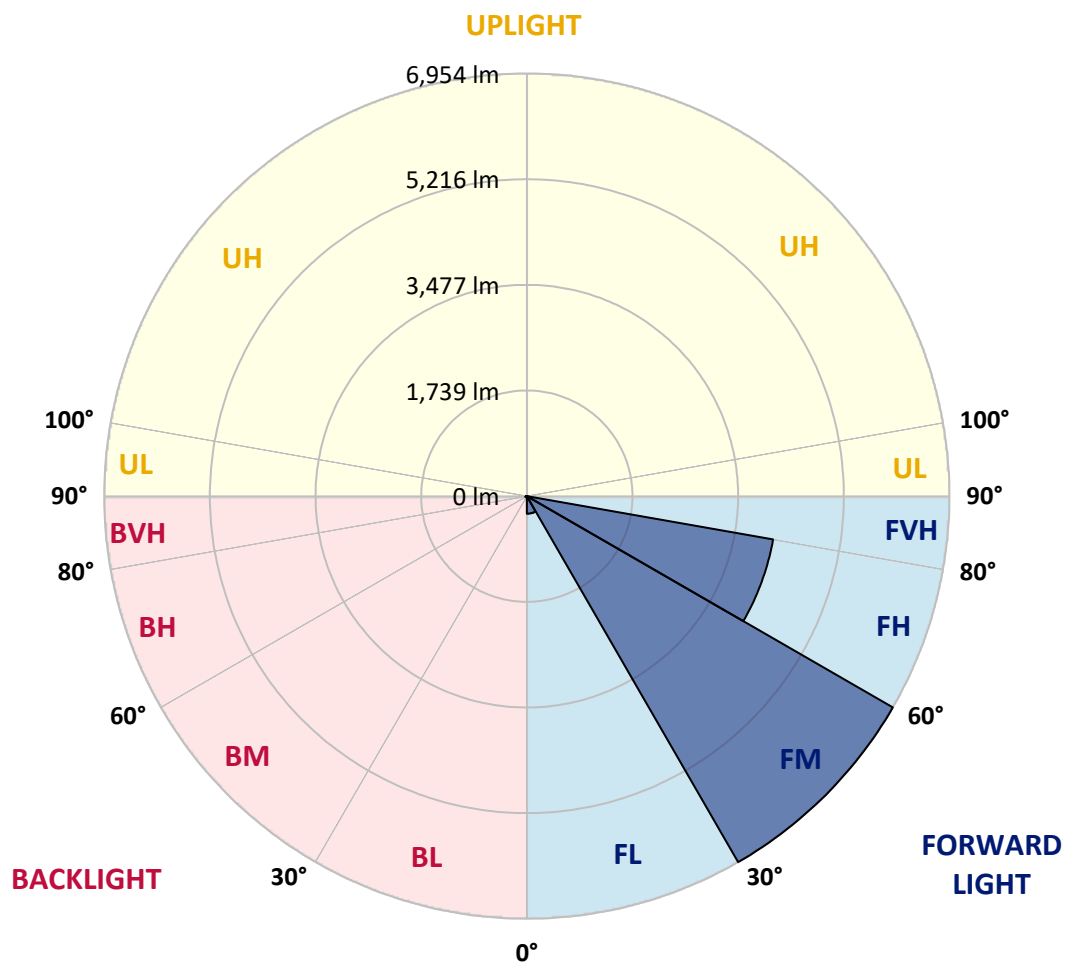
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.0	2.5			
FM	(30°-60°)	6954.5	60.8			
FH	(60°-80°)	4113.6	36.0			G2/5000
FVH	(80°-90°)	16.8	0.1			G1/100
BL	(0°-30°)	10.5	0.1	B0/110		
BM	(30°-60°)	20.5	0.2	B0/220		
BH	(60°-80°)	21.4	0.2	B0/110		G0/110
BVH	(80°-90°)	4.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.5°	45.8	45.8	45.8	45.8	44.9	44.9	44.1	44.1	43.2	43.2
5°	48.4	48.4	47.5	46.7	46.7	45.8	44.9	44.1	44.1	43.2
7.5°	52.7	51.8	51.0	50.1	48.4	47.5	45.8	44.9	44.1	42.3
10°	57.9	56.2	54.4	52.7	51.0	49.2	47.5	46.7	44.9	44.1
12.5°	64.8	62.2	58.7	56.2	54.4	51.8	50.1	48.4	45.8	44.1
15°	70.8	67.4	63.1	59.6	57.0	53.6	51.0	48.4	46.7	44.1
17.5°	79.5	73.4	66.5	62.2	58.7	54.4	50.1	47.5	44.9	41.5
20°	94.2	82.1	69.1	63.9	58.7	53.6	48.4	44.9	42.3	38.9
22.5°	117.5	96.8	76.0	68.2	61.3	53.6	46.7	43.2	39.7	36.3
25°	162.4	125.3	88.1	77.8	67.4	57.0	46.7	42.3	38.9	34.6
27.5°	216.0	160.7	104.5	89.8	76.0	61.3	46.7	41.5	37.1	32.0
30°	270.4	197.0	122.7	103.7	84.7	65.7	46.7	40.6	35.4	29.4
32.5°	322.2	230.7	138.2	115.8	93.3	70.0	47.5	40.6	33.7	26.8
35°	374.9	258.3	140.8	117.5	94.2	70.0	46.7	38.9	32.0	24.2
37.5°	442.3	289.4	135.6	112.3	89.8	66.5	44.1	37.1	30.2	22.5
40°	544.3	341.2	138.2	114.0	89.8	65.7	41.5	34.6	28.5	21.6
42.5°	732.6	441.5	149.5	121.8	94.2	65.7	38.0	32.0	26.8	20.7
45°	1266.5	733.5	200.4	159.0	117.5	76.0	34.6	29.4	25.1	19.9
47.5°	2095.0	1227.6	360.3	278.2	197.0	114.9	33.7	29.4	25.1	19.9
50°	2673.8	1563.7	453.6	349.0	244.5	140.0	35.4	30.2	25.9	20.7
52.5°	2669.5	1587.9	505.4	387.9	271.3	153.8	37.1	32.0	27.6	22.5
55°	2373.2	1444.5	514.9	395.7	277.3	158.1	39.7	34.6	29.4	24.2
57.5°	1983.5	1226.8	470.0	363.7	258.3	152.0	45.8	39.7	34.6	28.5
60°	1568.9	967.6	366.3	289.4	213.4	136.5	60.5	52.7	45.8	38.0
62.5°	1083.3	701.5	319.6	256.6	194.4	131.3	69.1	61.3	54.4	46.7
65°	766.3	527.9	288.5	235.0	182.3	128.7	75.2	66.5	58.7	50.1
67.5°	572.8	419.9	266.1	220.3	174.5	128.7	82.9	72.6	63.1	52.7
70°	438.9	344.7	249.7	212.5	176.2	139.1	101.9	87.3	73.4	58.7
72.5°	357.7	294.6	230.7	203.9	177.1	150.3	123.5	104.5	85.5	65.7
75°	296.3	252.3	208.2	185.7	164.1	141.7	119.2	101.9	85.5	68.2
77.5°	197.0	179.7	161.6	148.6	135.6	121.8	108.9	94.2	80.3	65.7
80°	69.1	66.5	63.9	69.1	74.3	79.5	84.7	74.3	64.8	54.4
82.5°	10.4	9.5	8.6	9.5	10.4	11.2	12.1	13.0	13.8	14.7
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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	42.3	42.3	41.5	41.5	41.5	40.6	40.6	39.7	39.7	39.7
0.0	5°	41.5	41.5	40.6	39.7	38.9	38.9	38.0	37.1	37.1	36.3
0.0	7.5°	40.6	39.7	38.9	38.0	37.1	36.3	35.4	34.6	34.6	33.7
0.0	10°	41.5	39.7	38.9	37.1	36.3	35.4	33.7	32.8	32.0	32.0
0.0	12.5°	39.7	38.9	37.1	35.4	34.6	32.8	32.0	30.2	29.4	29.4
0.0	15°	39.7	38.0	35.4	33.7	32.0	31.1	29.4	27.6	26.8	25.9
0.0	17.5°	37.1	35.4	32.8	31.1	29.4	27.6	25.9	24.2	23.3	22.5
0.0	20°	33.7	32.0	29.4	26.8	25.1	23.3	21.6	19.9	19.0	18.1
0.0	22.5°	30.2	28.5	25.9	23.3	21.6	19.9	17.3	15.6	14.7	13.0
0.0	25°	28.5	25.9	23.3	20.7	18.1	16.4	13.8	11.2	9.5	7.8
0.0	27.5°	24.2	21.6	19.0	16.4	13.8	11.2	8.6	6.0	4.3	3.5
0.0	30°	20.7	18.1	15.6	13.0	9.5	6.9	4.3	0.9	0.9	0.9
0.0	32.5°	17.3	14.7	11.2	8.6	6.9	4.3	2.6	0.0	0.0	0.0
0.0	35°	13.8	11.2	7.8	5.2	4.3	2.6	1.7	0.0	0.0	0.0
0.0	37.5°	12.1	9.5	6.0	2.6	1.7	1.7	0.9	0.0	0.0	0.0
0.0	40°	11.2	7.8	4.3	0.9	0.9	0.9	0.0	0.0	0.0	0.0
0.0	42.5°	11.2	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	11.2	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	11.2	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	12.1	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	13.8	10.4	6.9	3.5	2.6	1.7	0.9	0.0	0.0	0.0
0.0	55°	17.3	15.6	13.0	11.2	8.6	6.0	2.6	0.0	0.0	0.0
0.0	57.5°	22.5	22.5	21.6	20.7	15.6	10.4	5.2	0.0	0.0	0.0
0.0	60°	30.2	30.2	30.2	30.2	22.5	15.6	7.8	0.0	0.0	0.0
0.0	62.5°	37.1	35.4	32.8	31.1	23.3	15.6	7.8	0.0	0.0	0.0
0.0	65°	37.1	33.7	29.4	25.1	19.0	13.0	6.0	0.0	0.0	0.0
0.0	67.5°	34.6	27.6	19.9	13.0	9.5	6.9	3.5	0.0	0.0	0.0
	70°	34.6	24.2	13.8	3.5	2.6	1.7	0.9	0.0	0.0	0.0
	72.5°	34.6	23.3	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	38.0	25.9	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	38.0	25.9	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	33.7	22.5	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	11.2	7.8	3.5	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):

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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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	38.9	38.9	38.9	38.0	38.0	38.0	38.0	37.1	37.1	37.1
0.0	5°	35.4	35.4	34.6	34.6	33.7	33.7	32.8	32.8	32.0	32.0
0.0	7.5°	32.8	32.0	32.0	31.1	30.2	30.2	29.4	29.4	28.5	27.6
0.0	10°	30.2	29.4	29.4	28.5	27.6	26.8	26.8	25.9	25.1	24.2
0.0	12.5°	27.6	26.8	25.9	25.1	24.2	23.3	23.3	22.5	21.6	20.7
0.0	15°	24.2	23.3	22.5	21.6	20.7	19.9	19.9	19.0	18.1	17.3
0.0	17.5°	20.7	19.9	19.9	19.0	18.1	17.3	16.4	14.7	13.8	13.0
0.0	20°	15.6	14.7	13.8	13.0	12.1	10.4	9.5	7.8	6.0	5.2
0.0	22.5°	10.4	8.6	7.8	6.0	4.3	3.5	2.6	0.9	0.0	0.0
0.0	25°	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	36.3	36.3	36.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
0.0	5°	31.1	31.1	31.1	30.2	30.2	29.4	29.4	29.4	28.5	28.5
0.0	7.5°	26.8	25.9	25.9	25.1	25.1	24.2	24.2	24.2	23.3	23.3
0.0	10°	22.5	21.6	21.6	20.7	20.7	19.9	19.9	19.0	19.0	18.1
0.0	12.5°	19.9	19.0	18.1	17.3	17.3	16.4	15.6	15.6	14.7	13.8
0.0	15°	15.6	14.7	13.8	13.0	12.1	11.2	10.4	10.4	9.5	8.6
0.0	17.5°	10.4	8.6	7.8	6.9	6.9	6.0	5.2	4.3	3.5	2.6
0.0	20°	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	35.4	34.6	34.6	34.6	35.4	35.4	35.4	35.4	35.4	35.4
0.0	5°	28.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
0.0	7.5°	23.3	22.5	22.5	22.5	22.5	21.6	21.6	21.6	21.6	21.6
0.0	10°	18.1	17.3	17.3	17.3	17.3	16.4	16.4	16.4	16.4	16.4
0.0	12.5°	13.0	13.0	12.1	12.1	12.1	11.2	11.2	11.2	11.2	10.4
0.0	15°	7.8	6.9	6.0	6.0	6.0	5.2	5.2	5.2	5.2	4.3
0.0	17.5°	1.7	1.7	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4A-827-U-RBC

[illegible]

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CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	36.3	36.3	37.1	37.1	38.0	39.7	40.6	41.5	43.2	44.9
0.0	5°	28.5	29.4	29.4	30.2	31.1	32.0	32.8	33.7	35.4	37.1
0.0	7.5°	22.5	22.5	23.3	23.3	24.2	25.9	26.8	27.6	29.4	32.0
0.0	10°	17.3	17.3	18.1	18.1	19.0	20.7	21.6	22.5	24.2	26.8
0.0	12.5°	11.2	12.1	12.1	13.0	13.8	15.6	16.4	17.3	19.0	20.7
0.0	15°	5.2	6.0	6.0	6.9	7.8	9.5	10.4	11.2	13.0	15.6
0.0	17.5°	0.9	0.9	1.7	1.7	2.6	3.5	4.3	5.2	7.8	9.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	47.5	49.2	51.0	52.7	54.4	56.2	57.0	58.7	59.6	60.5
0.0	5°	40.6	42.3	44.9	46.7	48.4	50.1	51.8	52.7	53.6	54.4
0.0	7.5°	35.4	37.1	39.7	41.5	43.2	44.9	46.7	48.4	49.2	50.1
0.0	10°	30.2	32.8	34.6	37.1	38.9	40.6	42.3	44.1	45.8	46.7
0.0	12.5°	24.2	26.8	29.4	31.1	33.7	36.3	38.0	39.7	41.5	43.2
0.0	15°	19.0	21.6	24.2	25.9	28.5	31.1	33.7	35.4	37.1	38.9
0.0	17.5°	13.8	16.4	19.0	20.7	23.3	25.9	27.6	30.2	32.0	33.7
0.0	20°	6.9	9.5	12.1	14.7	17.3	19.9	21.6	24.2	25.9	27.6
0.0	22.5°	0.9	3.5	6.0	7.8	10.4	13.0	14.7	17.3	19.0	20.7
0.0	25°	0.0	0.9	2.6	3.5	4.3	6.0	7.8	9.5	11.2	13.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5	5.2	6.9
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
	85°	0.0	0.0	0.0	0.0	0.0	1.7	2.6	4.3	5.2	6.0
	87.5°	0.0	0.9	1.7	2.6	3.5	5.2	6.9	8.6	9.5	10.4
	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

REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
50.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
0.9											
3.5											
7.8											
11.2											
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REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	61.3	61.3	61.3	61.3	60.5	60.5	60.5	59.6	59.6	58.7
0.0	5°	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	56.2	56.2
0.0	7.5°	51.8	52.7	53.6	53.6	54.4	54.4	54.4	53.6	53.6	52.7
0.0	10°	49.2	50.1	50.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0
0.0	12.5°	45.8	46.7	47.5	47.5	48.4	48.4	48.4	48.4	47.5	47.5
0.0	15°	41.5	43.2	44.1	44.9	44.9	45.8	45.8	45.8	45.8	45.8
0.0	17.5°	38.0	39.7	40.6	41.5	41.5	42.3	42.3	43.2	43.2	43.2
0.0	20°	31.1	32.8	33.7	35.4	36.3	37.1	38.0	38.9	38.9	39.7
0.0	22.5°	24.2	25.9	26.8	28.5	29.4	30.2	31.1	32.0	32.8	33.7
0.0	25°	17.3	19.0	19.9	21.6	22.5	23.3	24.2	25.1	25.1	25.9
0.0	27.5°	9.5	11.2	13.0	13.8	15.6	16.4	17.3	18.1	19.0	19.9
0.0	30°	4.3	5.2	6.0	7.8	8.6	9.5	10.4	12.1	13.0	13.8
0.0	32.5°	0.0	0.0	0.9	2.6	3.5	4.3	5.2	6.0	6.0	6.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	3.5
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°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	82.5°	4.3	5.2	6.0	6.0	6.9	6.9	6.9	6.9	6.0	6.0
	85°	8.6	9.5	10.4	10.4	11.2	11.2	11.2	11.2	11.2	11.2
	87.5°	12.1	13.0	13.8	13.8	14.7	14.7	14.7	14.7	14.7	14.7
	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: P1049113

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
50.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
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2.6											
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REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	57.9	57.9	57.0	57.0	57.0	57.0	57.0	57.9	58.7	58.7
0.0	5°	55.3	55.3	54.4	54.4	54.4	55.3	55.3	56.2	57.0	57.9
0.0	7.5°	52.7	51.8	51.8	52.7	52.7	53.6	53.6	54.4	55.3	56.2
0.0	10°	51.0	50.1	50.1	50.1	51.0	51.0	51.8	52.7	53.6	54.4
0.0	12.5°	47.5	47.5	47.5	47.5	48.4	48.4	49.2	50.1	51.8	52.7
0.0	15°	45.8	44.9	44.9	44.9	44.9	45.8	45.8	47.5	49.2	50.1
0.0	17.5°	42.3	42.3	41.5	41.5	42.3	42.3	43.2	44.9	46.7	47.5
0.0	20°	38.9	38.0	37.1	37.1	38.0	38.0	38.9	40.6	42.3	43.2
0.0	22.5°	33.7	32.8	32.8	32.8	32.8	33.7	33.7	35.4	38.0	39.7
0.0	25°	26.8	27.6	27.6	28.5	28.5	29.4	30.2	32.0	34.6	36.3
0.0	27.5°	20.7	21.6	21.6	23.3	24.2	25.1	25.9	28.5	31.1	32.8
0.0	30°	15.6	16.4	17.3	18.1	19.9	21.6	23.3	25.9	28.5	30.2
0.0	32.5°	9.5	11.2	12.1	13.8	15.6	17.3	19.0	21.6	25.1	27.6
0.0	35°	6.9	7.8	9.5	10.4	12.1	13.8	15.6	19.0	21.6	25.1
0.0	37.5°	3.5	5.2	6.9	8.6	10.4	12.1	13.8	17.3	20.7	23.3
0.0	40°	2.6	4.3	5.2	6.9	9.5	11.2	13.0	16.4	19.9	23.3
0.0	42.5°	1.7	2.6	3.5	6.0	7.8	10.4	13.0	16.4	19.9	23.3
0.0	45°	1.7	1.7	2.6	5.2	7.8	11.2	13.8	17.3	19.9	23.3
0.0	47.5°	1.7	2.6	3.5	6.9	8.6	11.2	13.8	16.4	19.9	22.5
0.0	50°	2.6	3.5	4.3	7.8	9.5	12.1	13.8	17.3	19.9	23.3
0.0	52.5°	1.7	2.6	3.5	6.9	9.5	13.0	15.6	19.0	22.5	25.1
0.0	55°	0.9	0.9	0.9	5.2	10.4	14.7	19.9	22.5	25.9	28.5
0.0	57.5°	0.0	0.0	0.0	3.5	10.4	16.4	22.5	25.9	29.4	32.0
0.0	60°	0.0	0.0	0.0	3.5	10.4	16.4	22.5	26.8	31.1	35.4
0.0	62.5°	0.0	0.0	0.0	3.5	8.6	13.8	19.0	25.9	33.7	40.6
0.0	65°	0.0	0.0	0.0	2.6	6.9	11.2	15.6	25.9	36.3	45.8
0.0	67.5°	0.0	0.0	0.0	2.6	6.9	10.4	14.7	25.9	36.3	47.5
	70°	0.0	0.0	0.0	2.6	6.9	11.2	15.6	25.9	36.3	46.7
	72.5°	0.0	0.0	0.0	2.6	7.8	12.1	17.3	25.9	34.6	43.2
	75°	0.0	0.0	0.0	3.5	7.8	13.0	18.1	25.9	33.7	40.6
	77.5°	0.0	0.0	0.0	2.6	7.8	12.1	17.3	25.1	32.8	39.7
	80°	2.6	1.7	1.7	4.3	7.8	11.2	14.7	22.5	31.1	38.9
	82.5°	5.2	5.2	4.3	6.0	7.8	10.4	13.0	19.9	27.6	34.6
	85°	10.4	10.4	9.5	10.4	10.4	11.2	12.1	15.6	19.0	22.5
	87.5°	13.8	13.8	13.0	13.0	13.0	12.1	12.1	12.1	12.1	11.2
	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

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CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
50.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.0											
51.8											
48.4											
47.5											
46.7											
41.5											
25.9											
11.2											
0.0											
0.0											
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REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	60.5	61.3	61.3	62.2	63.1	63.9	63.9	64.8	64.8	64.8
0.0	5°	59.6	61.3	62.2	63.1	63.9	64.8	65.7	66.5	67.4	67.4
0.0	7.5°	58.7	59.6	61.3	62.2	63.9	64.8	66.5	67.4	68.2	69.1
0.0	10°	57.0	58.7	60.5	62.2	63.9	65.7	67.4	69.1	70.8	71.7
0.0	12.5°	55.3	57.9	59.6	61.3	63.9	66.5	68.2	70.8	72.6	74.3
0.0	15°	54.4	56.2	58.7	60.5	63.9	67.4	70.0	73.4	76.9	79.5
0.0	17.5°	51.8	55.3	57.9	60.5	63.9	68.2	71.7	75.2	80.3	85.5
0.0	20°	48.4	51.0	54.4	57.0	62.2	66.5	71.7	76.0	83.8	91.6
0.0	22.5°	44.9	48.4	51.0	54.4	60.5	65.7	71.7	76.9	89.8	101.9
0.0	25°	41.5	45.8	49.2	52.7	59.6	66.5	73.4	80.3	101.9	123.5
0.0	27.5°	39.7	43.2	47.5	51.0	59.6	69.1	77.8	86.4	120.9	154.6
0.0	30°	37.1	41.5	44.9	49.2	60.5	71.7	82.9	94.2	146.9	199.6
0.0	32.5°	34.6	38.9	43.2	47.5	62.2	76.9	90.7	105.4	174.5	242.8
0.0	35°	32.0	37.1	41.5	45.8	64.8	84.7	103.7	122.7	199.6	275.6
0.0	37.5°	31.1	36.3	40.6	44.9	65.7	85.5	106.3	126.1	202.2	278.2
0.0	40°	32.0	36.3	41.5	45.8	63.1	80.3	96.8	114.0	193.5	272.1
0.0	42.5°	32.0	37.1	42.3	47.5	61.3	75.2	89.0	102.8	190.9	279.0
0.0	45°	31.1	36.3	41.5	46.7	59.6	71.7	84.7	96.8	206.5	315.3
0.0	47.5°	30.2	35.4	40.6	45.8	58.7	71.7	84.7	97.6	266.9	435.4
0.0	50°	30.2	35.4	39.7	44.1	59.6	76.0	91.6	107.1	388.8	669.5
0.0	52.5°	32.0	36.3	39.7	43.2	61.3	80.3	98.5	116.6	494.2	870.8
0.0	55°	34.6	37.1	40.6	43.2	65.7	87.3	109.7	131.3	526.1	920.9
0.0	57.5°	38.0	40.6	43.2	45.8	73.4	101.1	127.9	155.5	528.7	901.1
0.0	60°	42.3	45.8	48.4	51.0	80.3	110.6	140.0	169.3	478.6	787.0
0.0	62.5°	51.8	56.2	59.6	63.9	92.4	120.1	148.6	176.2	397.4	618.6
0.0	65°	59.6	63.1	66.5	70.0	97.6	126.1	153.8	181.4	336.9	492.4
0.0	67.5°	61.3	64.8	67.4	70.8	99.3	127.9	155.5	184.0	288.5	392.2
	70°	62.2	66.5	71.7	76.0	105.4	134.8	163.3	192.7	255.7	318.8
	72.5°	59.6	68.2	76.0	83.8	111.4	138.2	165.9	192.7	237.6	282.5
	75°	59.6	71.7	82.9	94.2	114.9	134.8	155.5	175.4	209.9	244.5
	77.5°	63.1	78.6	94.2	109.7	121.8	133.0	145.1	156.4	178.8	201.3
	80°	63.1	79.5	95.0	111.4	116.6	122.7	127.9	133.0	135.6	138.2
	82.5°	54.4	67.4	80.3	93.3	87.3	81.2	75.2	69.1	64.8	59.6
	85°	27.6	30.2	32.0	33.7	31.1	28.5	25.9	23.3	21.6	19.0
	87.5°	11.2	11.2	10.4	10.4	10.4	10.4	9.5	9.5	9.5	9.5
	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: P1049113

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
50.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
255.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
432.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
491.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
535.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
579.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
838.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1278.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2465.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2521.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2275.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1520.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1149.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
848.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
600.4											
446.6											
324.8											
244.5											
137.4											
62.2											
18.1											
8.6											
0.0											
0.0											
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REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	64.8	63.9	63.9	63.1	62.2	61.3	60.5	59.6	58.7	57.9
0.0	5°	67.4	67.4	67.4	66.5	66.5	65.7	65.7	64.8	63.9	63.1
0.0	7.5°	70.0	70.8	70.8	71.7	71.7	71.7	71.7	70.8	70.8	70.8
0.0	10°	74.3	75.2	76.0	76.9	77.8	78.6	78.6	79.5	79.5	79.5
0.0	12.5°	79.5	82.1	83.8	86.4	88.1	90.7	92.4	95.0	96.8	98.5
0.0	15°	87.3	91.6	96.8	101.1	105.4	111.4	118.4	124.4	130.5	140.0
0.0	17.5°	98.5	112.3	126.1	139.1	152.9	183.1	213.4	242.8	273.0	317.1
0.0	20°	120.1	161.6	202.2	243.6	284.2	390.5	495.9	602.1	707.5	820.7
0.0	22.5°	168.5	270.4	372.3	474.3	576.2	798.3	1019.4	1241.4	1462.6	1722.6
0.0	25°	244.5	432.0	619.4	806.0	993.5	1340.8	1688.9	2036.2	2383.5	2721.3
0.0	27.5°	355.9	642.8	929.6	1215.5	1502.3	1973.2	2444.9	2915.7	3386.5	3768.4
0.0	30°	493.3	882.1	1270.8	1659.6	2048.3	2584.0	3119.6	3654.4	4190.0	4607.2
0.0	32.5°	622.9	1098.9	1574.9	2050.1	2526.1	3136.0	3746.8	4356.7	4966.6	5422.8
0.0	35°	707.5	1282.9	1859.1	2434.5	3009.9	3669.9	4329.9	4989.1	5649.1	6170.1
0.0	37.5°	792.2	1456.6	2120.0	2784.4	3447.9	4172.7	4897.5	5622.3	6347.2	6990.8
0.0	40°	887.2	1666.5	2444.9	3224.1	4002.5	4861.2	5719.1	6577.8	7435.7	8343.7
0.0	42.5°	1052.2	2014.6	2977.9	3940.3	4902.7	6038.8	7174.8	8310.0	9446.0	10741.9
0.0	45°	1362.4	2718.7	4075.9	5432.3	6788.6	8293.6	9799.4	11304.3	12809.2	14533.6
0.0	47.5°	2121.8	3987.8	5853.0	7719.1	9584.3	11209.3	12833.4	14458.4	16082.6	17800.1
0.0	50°	3246.6	5418.5	7590.3	9761.4	11933.2	13403.6	14873.1	16343.5	17813.0	19446.7
0.0	52.5°	4060.4	6323.0	8586.4	10849.0	13111.6	14438.6	15766.4	17093.4	18420.4	19946.9
0.0	55°	4121.7	6371.4	8621.9	10871.5	13121.1	14454.1	15787.1	17120.2	18453.2	20071.3
0.0	57.5°	3649.2	5880.7	8111.3	10342.8	12573.4	14091.3	15608.3	17126.2	18643.2	20392.7
0.0	60°	3104.0	5336.4	7567.9	9800.2	12031.7	13780.3	15529.7	17278.3	19026.8	20665.7
0.0	62.5°	2421.5	4717.8	7015.0	9311.3	11607.5	13382.9	15158.2	16932.7	18708.0	19937.4
0.0	65°	1804.7	4034.5	6264.2	8493.1	10722.9	12144.9	13566.9	14988.0	16410.0	17171.1
0.0	67.5°	1304.5	3227.6	5149.8	7072.9	8995.1	10012.8	11030.4	12047.3	13065.0	13647.2
	70°	882.1	2214.2	3545.5	4877.7	6208.9	7045.2	7882.3	8718.6	9554.9	10341.0
	72.5°	610.8	1358.9	2107.9	2856.1	3604.2	4445.7	5286.3	6127.7	6968.3	7800.3
	75°	405.2	745.6	1086.8	1427.2	1767.6	2390.4	3014.2	3637.1	4260.0	4755.8
	77.5°	287.7	389.6	492.4	594.4	696.3	812.9	930.4	1047.1	1163.7	1340.8
	80°	136.5	149.5	162.4	174.5	187.5	229.8	272.1	314.5	356.8	401.7
	82.5°	64.8	70.0	75.2	79.5	84.7	89.0	93.3	97.6	101.9	97.6
	85°	17.3	17.3	18.1	18.1	18.1	18.1	18.1	18.1	18.1	17.3
	87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.9	6.9	6.0
	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):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
50.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
934.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3059.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4150.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5025.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5879.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6691.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7635.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9251.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12037.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16258.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19517.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21080.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21473.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21690.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22142.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22303.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21167.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17933.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14230.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11126.3											
8632.2											
5251.7											
1517.9											
446.6											
92.4											
16.4											
6.0											
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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	2.5°	56.2	55.3	54.4	53.6	52.7	51.0	51.0	50.1	50.1
0.0	5°	61.3	60.5	59.6	58.7	58.7	57.9	57.0	57.0	56.2
0.0	7.5°	70.0	69.1	68.2	67.4	67.4	66.5	66.5	65.7	65.7
0.0	10°	80.3	80.3	80.3	80.3	80.3	79.5	79.5	79.5	78.6
0.0	12.5°	101.1	101.9	103.7	105.4	108.0	108.0	108.0	107.1	107.1
0.0	15°	159.8	169.3	176.2	183.1	189.2	203.0	201.3	198.7	197.0
0.0	17.5°	404.3	447.5	470.8	493.3	516.6	580.5	570.2	559.8	550.3
0.0	20°	1047.9	1161.1	1236.3	1311.4	1387.4	1507.5	1478.2	1448.8	1419.4
0.0	22.5°	2241.9	2501.9	2615.1	2728.2	2840.5	2985.7	2891.5	2797.4	2704.0
0.0	25°	3396.0	3733.8	3924.8	4115.7	4305.7	4388.7	4266.0	4142.5	4019.8
0.0	27.5°	4532.1	4913.9	5082.4	5250.0	5418.5	5592.1	5440.1	5287.1	5135.1
0.0	30°	5442.7	5859.9	6042.2	6223.6	6405.9	6526.9	6369.6	6211.5	6054.3
0.0	32.5°	6335.9	6792.1	6991.6	7191.2	7389.9	7563.6	7370.0	7175.7	6982.1
0.0	35°	7211.1	7732.0	8006.7	8281.5	8556.2	8717.7	8487.9	8257.3	8027.5
0.0	37.5°	8278.9	8922.5	9230.0	9537.6	9845.2	10139.7	9886.6	9632.6	9379.5
0.0	40°	10159.6	11067.6	11539.3	12011.8	12483.5	12863.7	12544.0	12224.4	11904.7
0.0	42.5°	13333.6	14629.5	15307.7	15985.0	16663.2	17256.7	16920.6	16584.5	16248.5
0.0	45°	17982.3	19706.7	20533.5	21359.4	22186.2	22619.8	22136.0	21651.4	21167.6
0.0	47.5°	21234.1	22951.6	23687.6	24423.7	25159.7	25654.8	25063.0	24471.2	23880.3
0.0	50°	22713.1	24346.8	25085.4	25823.2	26561.9	26955.0	26271.6	25587.4	24904.0
0.0	52.5°	22999.1	24525.6	25406.8	26288.9	27170.1	27695.3	26888.4	26080.7	25273.8
0.0	55°	23308.4	24926.5	25948.5	26971.4	27993.4	28720.8	27808.5	26895.3	25983.0
0.0	57.5°	23890.7	25640.1	26659.5	27678.0	28697.5	29315.2	28400.3	27484.5	26569.6
0.0	60°	23942.5	25580.5	26456.5	27333.3	28209.4	28598.1	27723.0	26847.0	25971.8
0.0	62.5°	22396.9	23626.3	24234.5	24842.7	25450.9	25873.3	24960.2	24046.2	23133.0
0.0	65°	18694.2	19455.3	19940.0	20424.6	20909.3	21412.9	20576.7	19740.4	18904.1
0.0	67.5°	14812.7	15394.9	16033.4	16671.8	17310.2	17848.4	17178.9	16508.5	15839.0
	70°	11912.5	12697.8	13415.7	14133.6	14851.5	15292.1	14620.0	13947.0	13274.9
	72.5°	9464.2	10296.1	10895.7	11494.4	12093.9	12201.9	11707.7	11213.6	10720.3
	75°	5746.7	6242.6	6254.7	6266.0	6278.1	6380.9	5971.4	5561.9	5153.2
	77.5°	1695.0	1872.1	2018.1	2163.2	2309.2	2485.5	2335.2	2184.0	2033.7
	80°	490.7	535.6	573.6	610.8	648.8	626.3	590.9	555.5	520.1
	82.5°	88.1	82.9	82.1	81.2	81.2	76.9	70.0	63.1	56.2
	85°	15.6	14.7	13.8	13.0	12.1	11.2	9.5	8.6	6.9
	87.5°	5.2	4.3	3.5	2.6	2.6	0.9	0.9	0.9	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049113

CATALOG NUMBER: GALN-SA4A-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°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
0.0	0.0	2.5°	49.2	48.4	48.4	48.4	48.4	47.5	47.5	47.5	47.5
0.0	0.0	5°	54.4	54.4	53.6	53.6	52.7	52.7	51.8	51.8	51.0
0.0	0.0	7.5°	63.9	63.1	62.2	61.3	60.5	58.7	57.9	57.0	57.0
0.0	0.0	10°	76.9	75.2	74.3	72.6	71.7	70.0	68.2	66.5	64.8
0.0	0.0	12.5°	101.1	97.6	95.0	91.6	88.1	85.5	82.1	79.5	76.0
0.0	0.0	15°	175.4	166.7	157.2	146.0	133.9	122.7	110.6	103.7	95.9
0.0	0.0	17.5°	448.4	403.4	357.7	320.5	283.4	247.1	209.9	183.1	156.4
0.0	0.0	20°	1141.2	1016.8	892.4	769.7	646.2	523.5	400.0	337.8	275.6
0.0	0.0	22.5°	2147.7	1917.0	1685.5	1461.7	1237.1	1013.4	789.6	648.8	508.8
0.0	0.0	25°	3314.8	3024.6	2734.3	2366.3	1997.4	1629.3	1261.3	1032.4	803.4
0.0	0.0	27.5°	4313.5	3979.2	3644.8	3197.3	2749.8	2302.3	1854.8	1513.6	1173.2
0.0	0.0	30°	5178.3	4818.9	4459.5	3938.6	3417.6	2896.7	2375.8	1949.0	1522.2
0.0	0.0	32.5°	5928.2	5497.9	5067.7	4530.4	3993.0	3455.7	2918.3	2394.8	1871.2
0.0	0.0	35°	6792.9	6291.0	5788.2	5192.1	4595.2	3999.1	3403.0	2812.0	2220.3
0.0	0.0	37.5°	7891.8	7275.9	6659.0	5994.7	5330.3	4666.9	4002.5	3326.9	2651.3
0.0	0.0	40°	9995.5	9200.7	8405.9	7561.8	6716.9	5872.9	5028.8	4199.5	3370.1
0.0	0.0	42.5°	13764.7	12690.9	11617.0	10494.0	9370.0	8246.9	7123.0	5953.2	4782.6
0.0	0.0	45°	18018.6	16686.5	15353.5	14093.0	12831.7	11571.3	10310.8	8705.7	7100.5
0.0	0.0	47.5°	20410.8	18972.4	17534.0	16340.9	15147.9	13954.8	12761.7	11031.3	9300.9
0.0	0.0	50°	21291.1	19826.8	18362.5	17264.4	16165.5	15067.5	13968.6	12235.6	10501.7
0.0	0.0	52.5°	21478.6	19984.9	18491.2	17386.2	16281.3	15177.2	14072.3	12350.5	10628.7
0.0	0.0	55°	21863.9	20261.4	18657.9	17398.3	16138.8	14879.2	13619.6	11870.2	10120.7
0.0	0.0	57.5°	22367.6	20724.4	19081.2	17646.3	16211.3	14777.2	13342.3	11429.6	9516.9
0.0	0.0	60°	22235.4	20805.6	19375.0	17838.1	16300.3	14763.4	13225.6	11122.0	9017.5
0.0	0.0	62.5°	19940.8	18802.2	17662.7	16398.8	15134.0	13870.1	12606.2	10440.4	8274.6
0.0	0.0	65°	16404.8	15573.8	14742.7	13725.9	12708.2	11691.3	10674.5	8732.4	6791.2
0.0	0.0	67.5°	13295.6	12359.1	11421.8	10611.4	9800.2	8989.9	8178.7	6650.4	5122.1
		70°	10563.1	9544.5	8525.1	7733.7	6941.5	6150.2	5358.9	4342.9	3327.8
		72.5°	8388.6	7470.3	6551.9	5707.9	4863.0	4018.9	3174.0	2573.6	1973.2
		75°	4009.4	3642.3	3275.1	2833.6	2392.2	1950.7	1509.3	1247.5	986.6
		77.5°	1485.9	1288.1	1089.4	909.7	730.0	551.2	371.5	340.4	309.3
		80°	384.4	335.2	285.1	249.7	213.4	178.0	142.5	128.7	115.8
		82.5°	44.1	40.6	38.0	36.3	33.7	32.0	29.4	26.8	24.2
		85°	2.6	1.7	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: P1049113

CATALOG NUMBER: GALN-SA4A-827-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	50.1	50.1
0.0	0.0	2.5°	46.7	45.8
0.0	0.0	5°	49.2	48.4
0.0	0.0	7.5°	54.4	52.7
0.0	0.0	10°	59.6	57.9
0.0	0.0	12.5°	67.4	64.8
0.0	0.0	15°	76.0	70.8
0.0	0.0	17.5°	90.7	79.5
0.0	0.0	20°	122.7	94.2
0.0	0.0	22.5°	172.8	117.5
0.0	0.0	25°	254.0	162.4
0.0	0.0	27.5°	353.3	216.0
0.0	0.0	30°	470.0	270.4
0.0	0.0	32.5°	572.8	322.2
0.0	0.0	35°	706.7	374.9
0.0	0.0	37.5°	871.7	442.3
0.0	0.0	40°	1127.4	544.3
0.0	0.0	42.5°	1587.9	732.6
0.0	0.0	45°	2578.8	1266.5
0.0	0.0	47.5°	3968.0	2095.0
0.0	0.0	50°	4854.3	2673.8
0.0	0.0	52.5°	4926.9	2669.5
0.0	0.0	55°	4497.5	2373.2
0.0	0.0	57.5°	3837.5	1983.5
0.0	0.0	60°	3189.6	1568.9
0.0	0.0	62.5°	2513.1	1083.3
0.0	0.0	65°	1836.7	766.3
0.0	0.0	67.5°	1319.2	572.8
		70°	867.4	438.9
		72.5°	565.0	357.7
		75°	380.1	296.3
		77.5°	222.0	197.0
		80°	78.6	69.1
		82.5°	14.7	10.4
		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: P1049113

CATALOG NUMBER: GALN-SA4A-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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

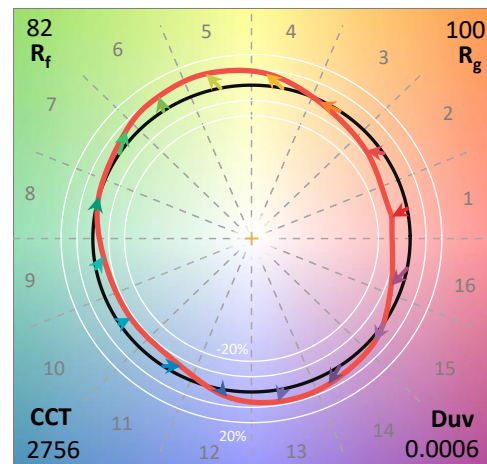
Test Information

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
 R_f: 82.2
 R_g: 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

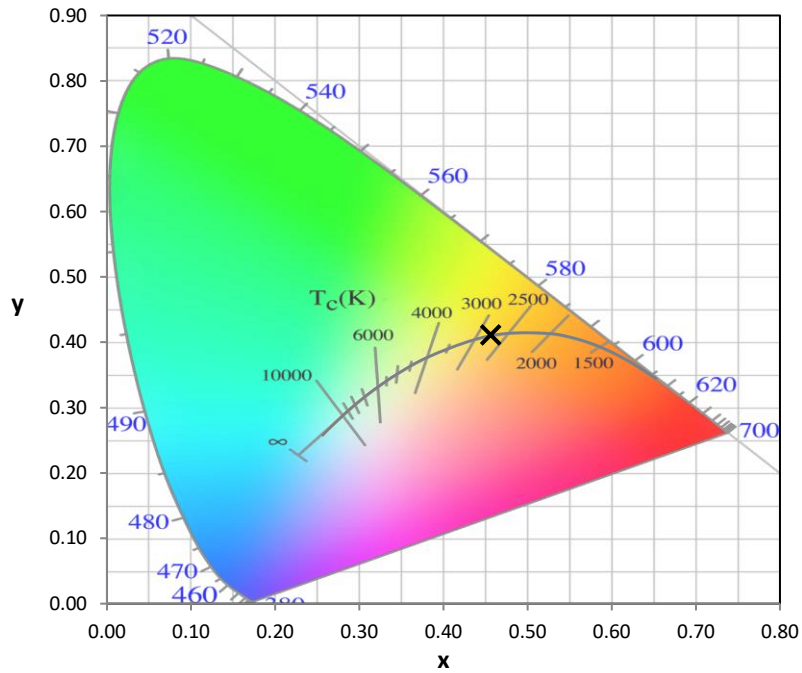
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

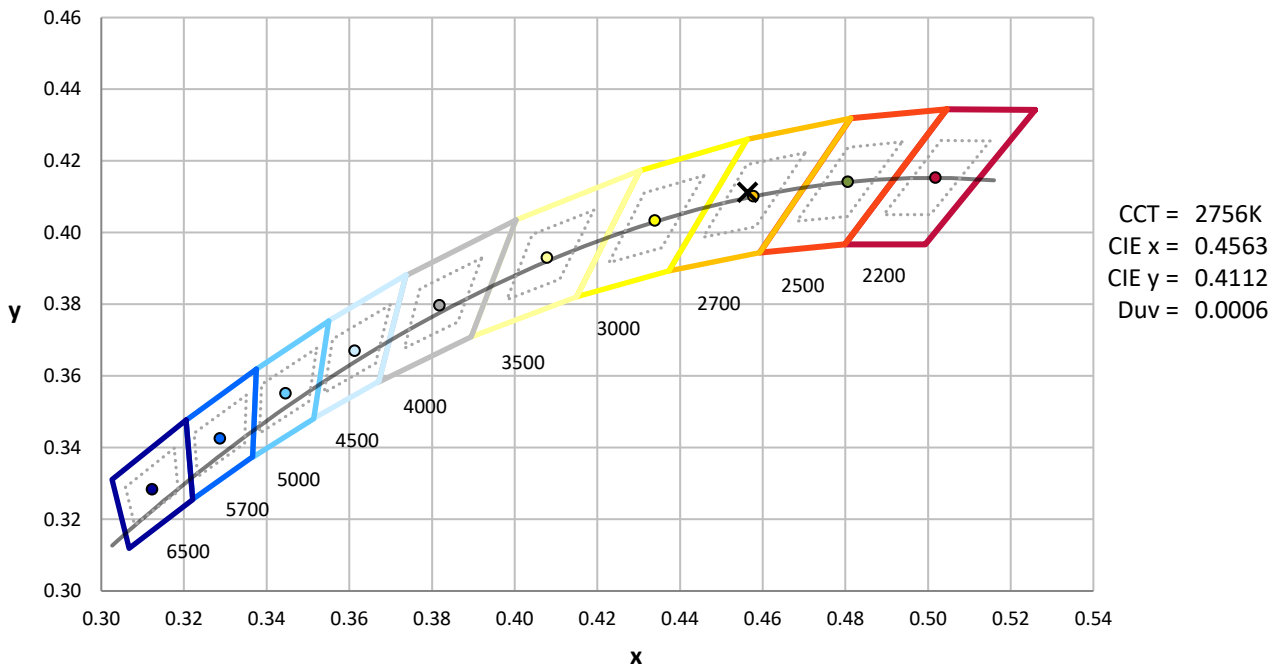
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



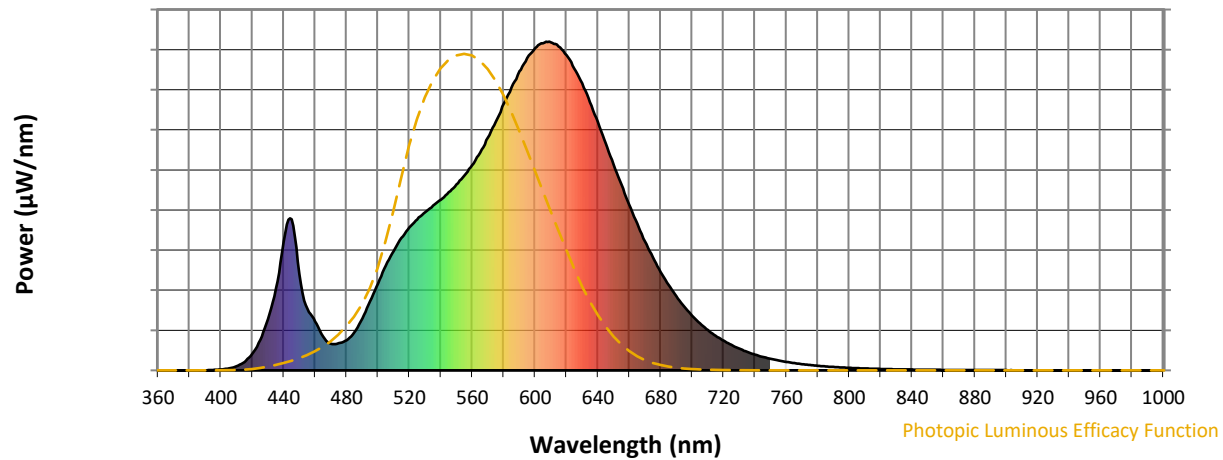
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

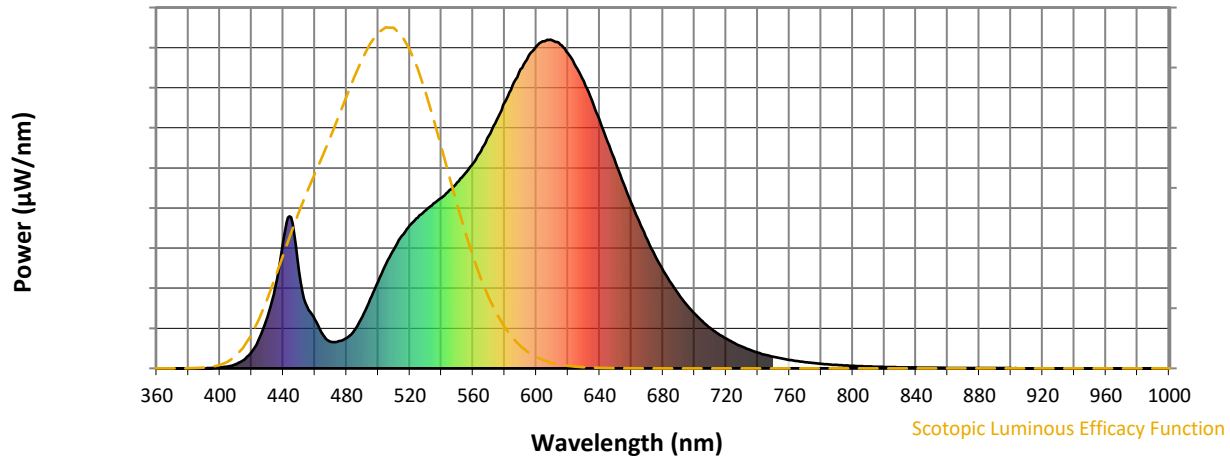


Photopic Lumens: NR

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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Scotopic Flux vs. Wavelength



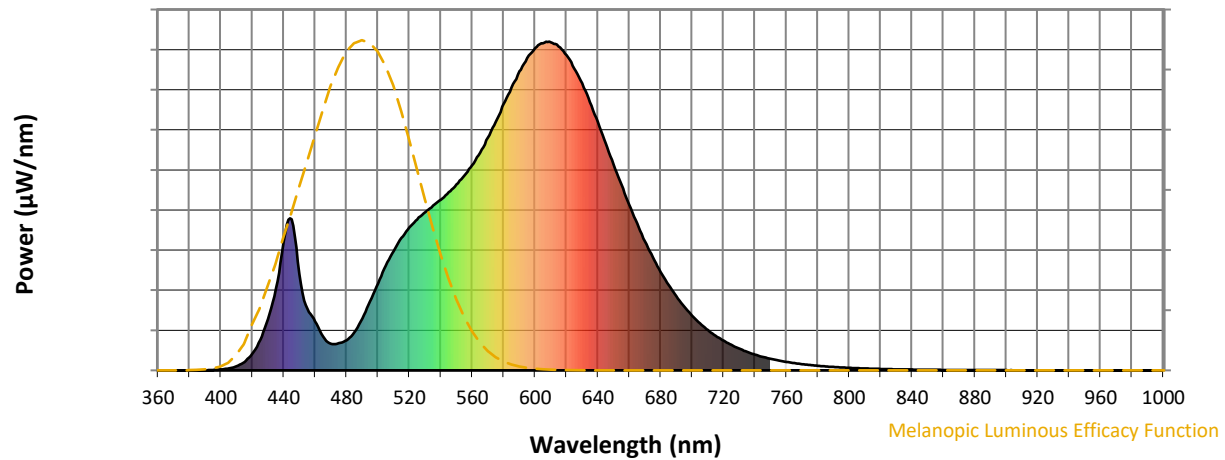
Scotopic Lumens: NR

S/P: 1.2

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	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

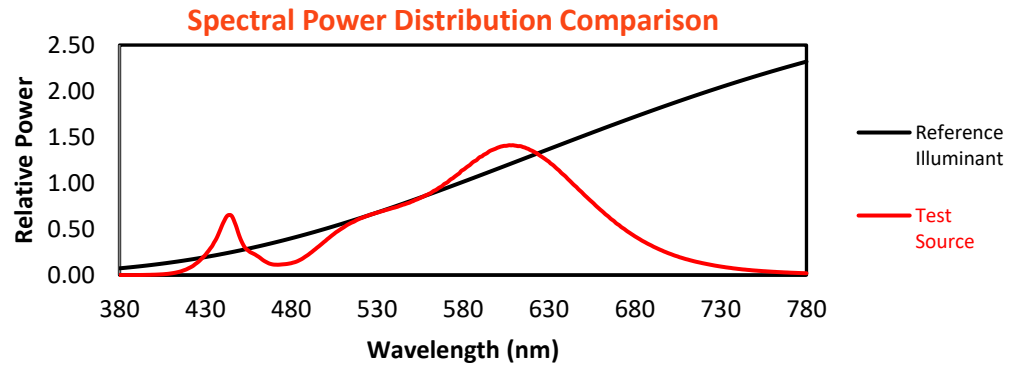
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	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

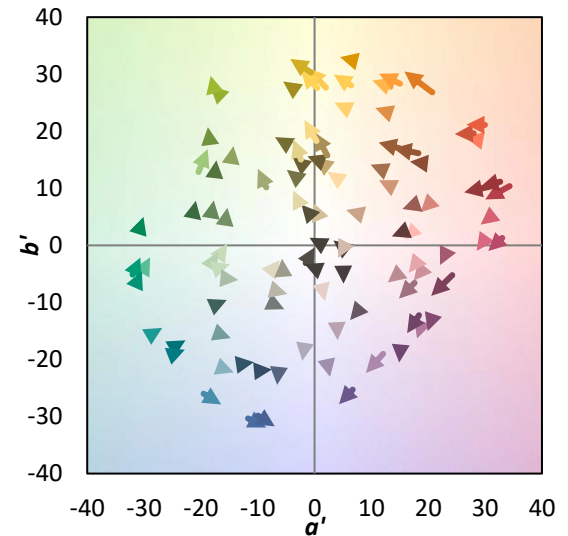
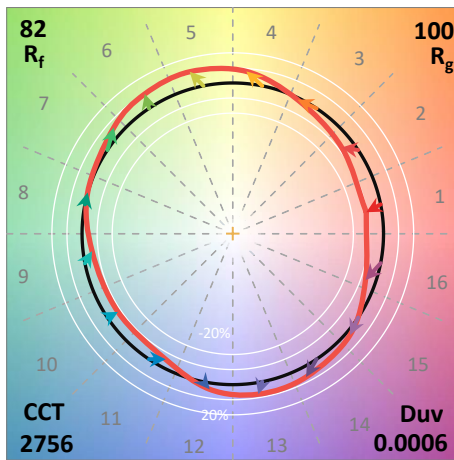
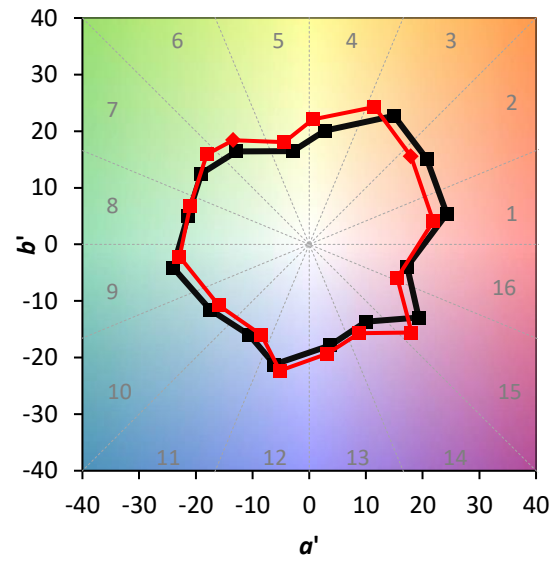
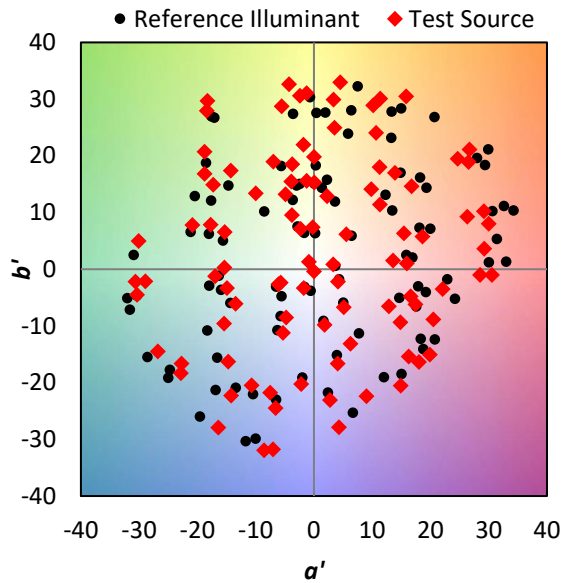
TM-30-18

Summary

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

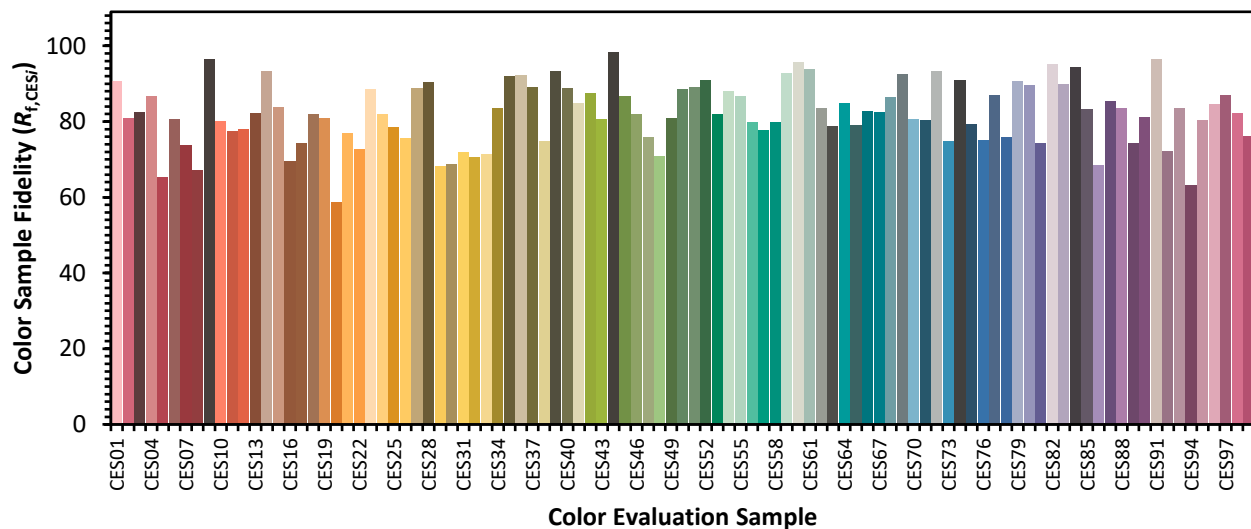


Color Vector Graphics

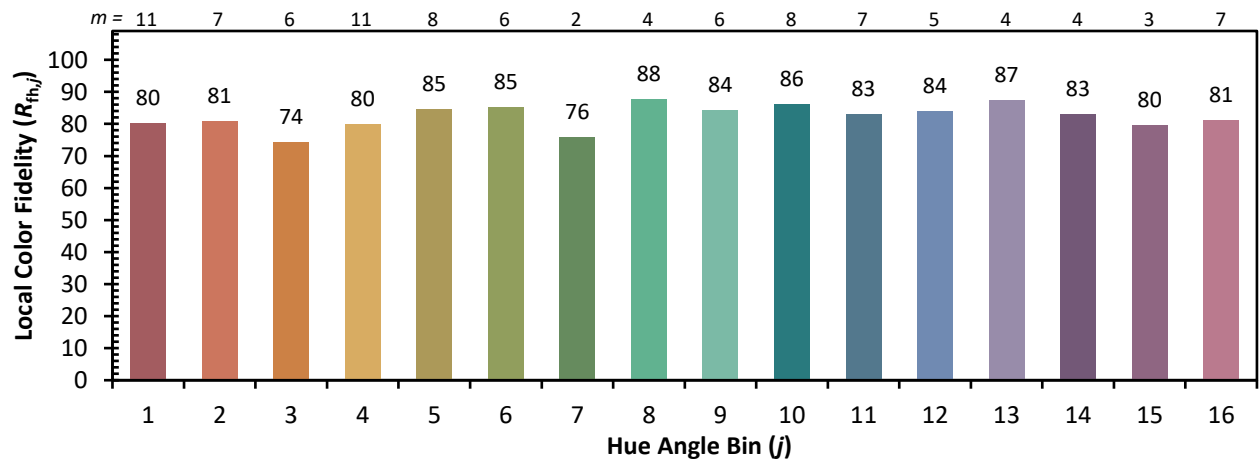
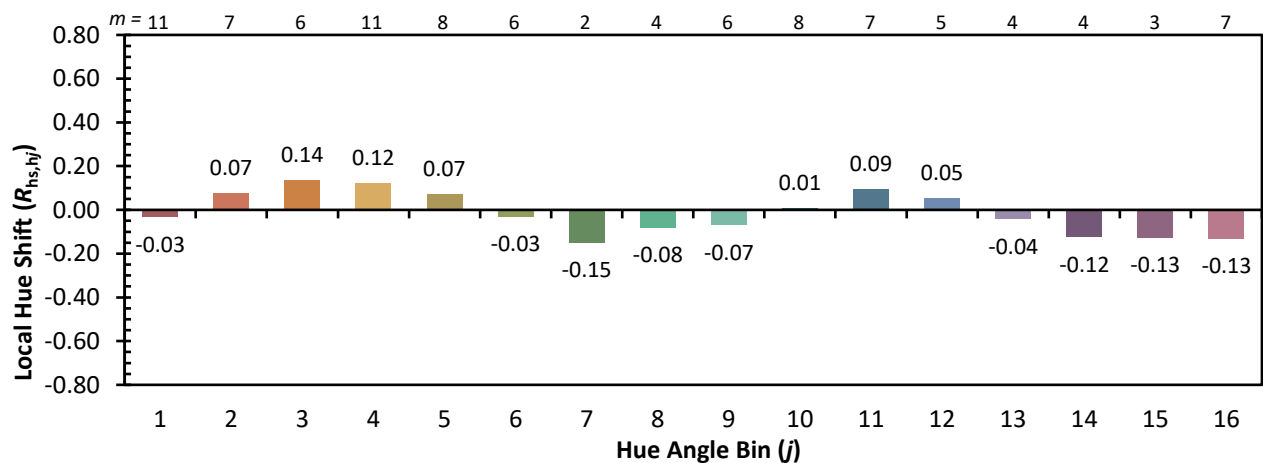
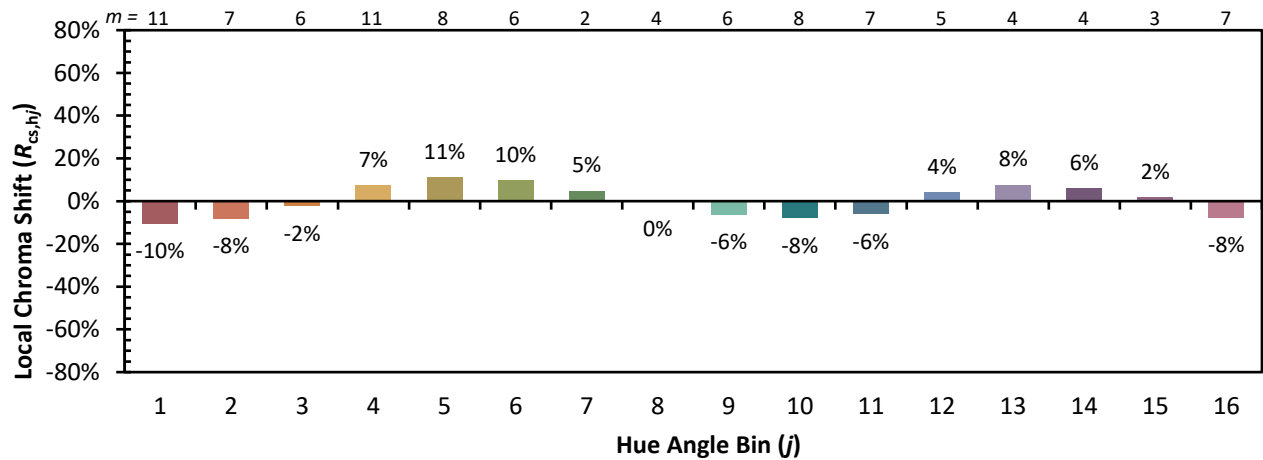


Individual Sample Fidelity Index ($R_{f,i}$)

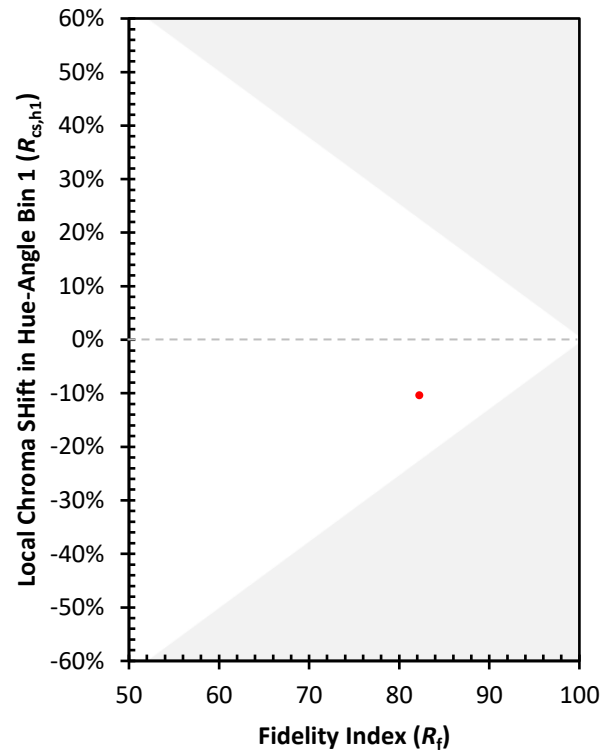
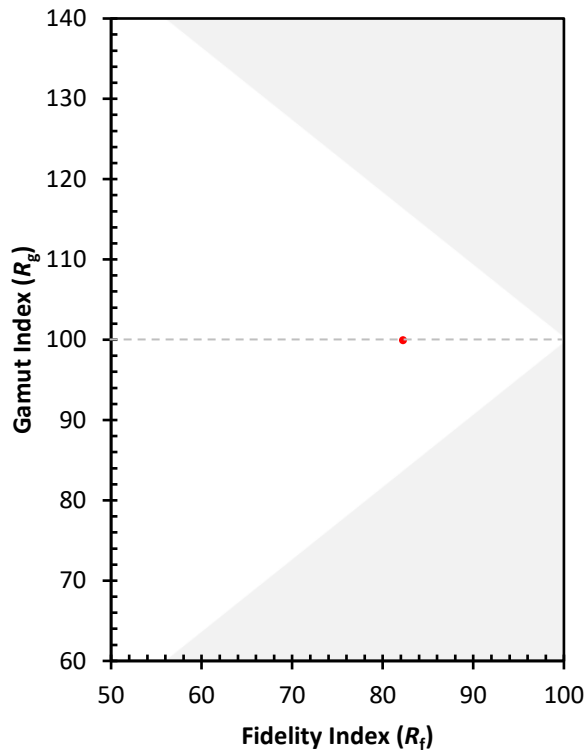
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 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)