

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: P1048969

Luminaire Tested: **GALN-SA4A-730-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048969
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-730-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12909.9 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

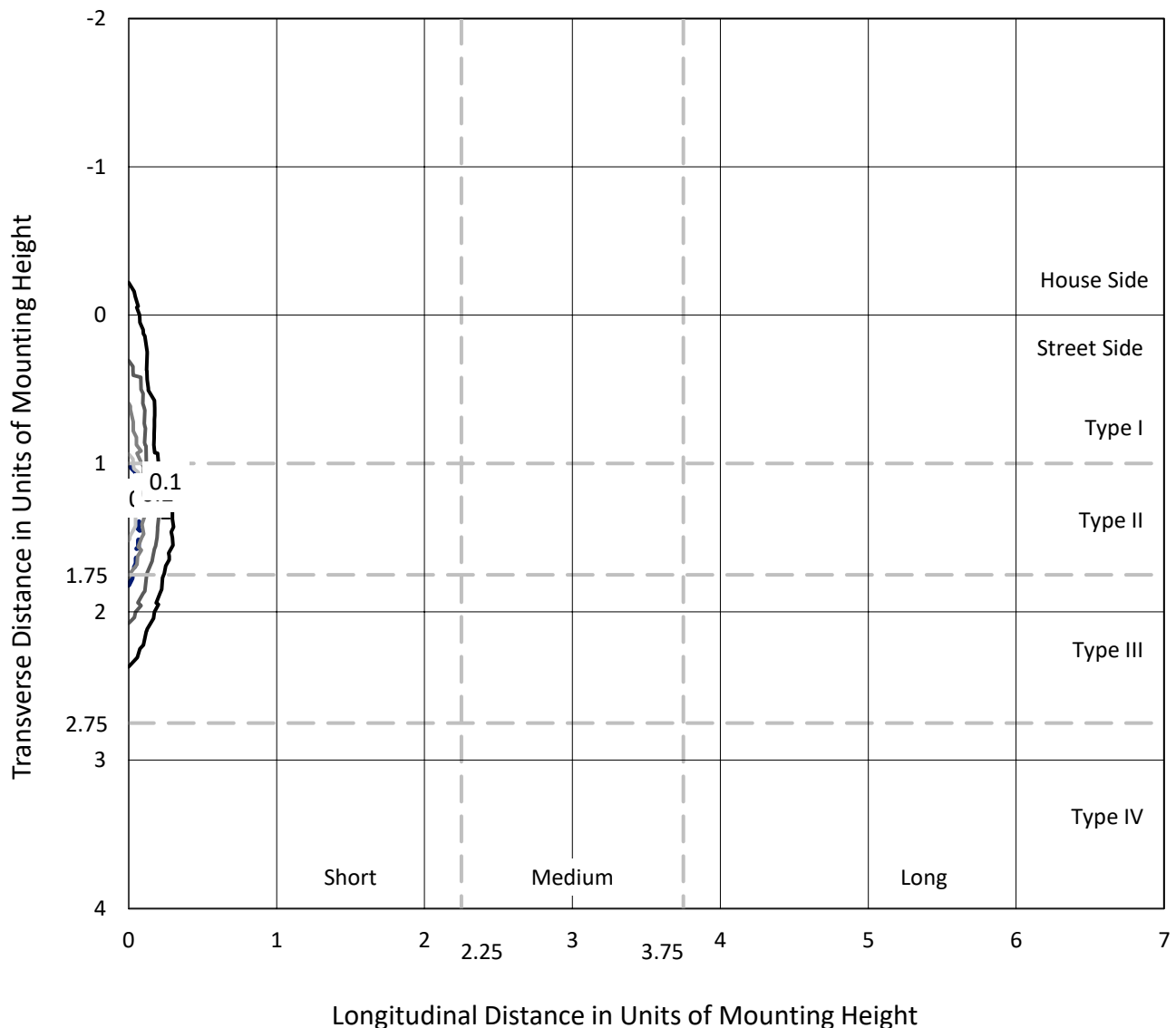
Input Watts (W): 107.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

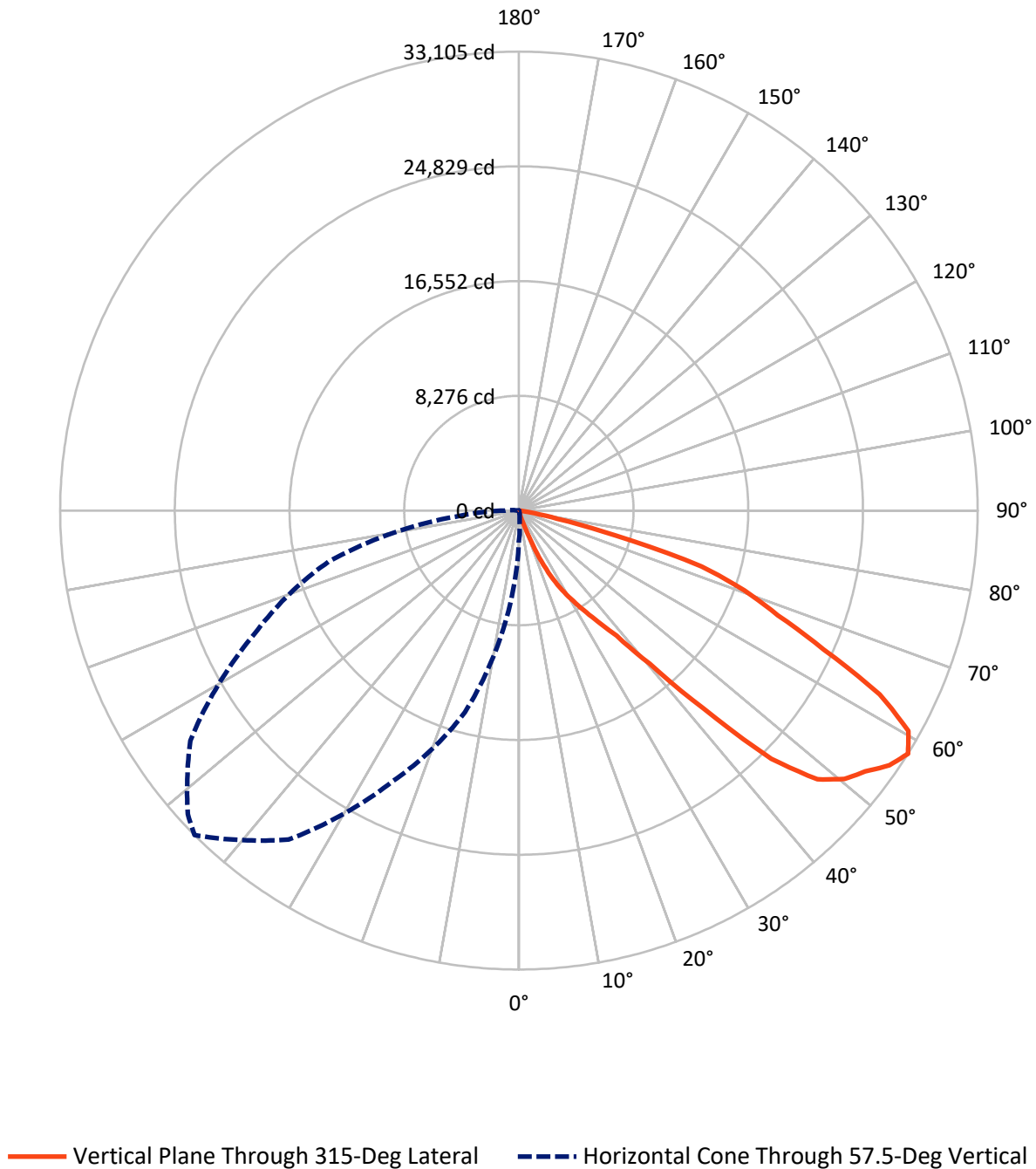
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.9 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	64.7	0.0	64.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	12845.3	0.0	12845.3
	% Fixture	99.5	0.0	99.5
Total	Lumens	12909.9	0.0	12909.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.0
10°-20°	28.4	0.2
20°-30°	305.9	2.4
30°-40°	904.7	7.0
40°-50°	2696.4	20.9
50°-60°	4275.5	33.1
60°-70°	3569.0	27.6
70°-80°	1100.5	8.5
80°-90°	24.5	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°	12909.9	100.0
0°-180°	12909.9	100.0



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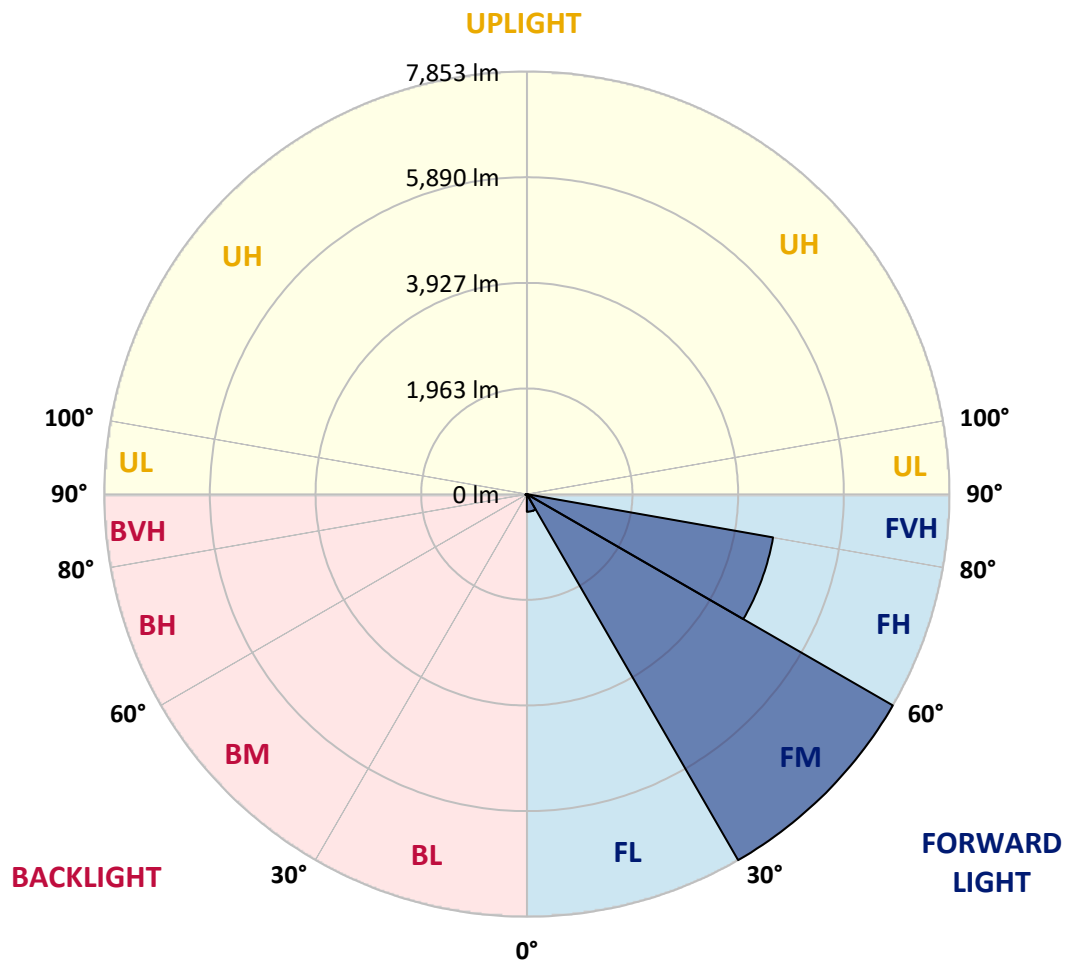
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.5	2.5			
FM	(30°-60°)	7853.5	60.8			
FH	(60°-80°)	4645.4	36.0			G2/5000
FVH	(80°-90°)	18.9	0.1			G1/100
BL	(0°-30°)	11.9	0.1	B0/110		
BM	(30°-60°)	23.1	0.2	B0/220		
BH	(60°-80°)	24.1	0.2	B0/110		G0/110
BVH	(80°-90°)	5.6	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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.5°	51.7	51.7	51.7	51.7	50.7	50.7	49.8	49.8	48.8	48.8
5°	54.6	54.6	53.7	52.7	52.7	51.7	50.7	49.8	49.8	48.8
7.5°	59.5	58.5	57.6	56.6	54.6	53.7	51.7	50.7	49.8	47.8
10°	65.4	63.4	61.5	59.5	57.6	55.6	53.7	52.7	50.7	49.8
12.5°	73.2	70.2	66.3	63.4	61.5	58.5	56.6	54.6	51.7	49.8
15°	80.0	76.1	71.2	67.3	64.4	60.5	57.6	54.6	52.7	49.8
17.5°	89.8	82.9	75.1	70.2	66.3	61.5	56.6	53.7	50.7	46.8
20°	106.3	92.7	78.0	72.2	66.3	60.5	54.6	50.7	47.8	43.9
22.5°	132.7	109.3	85.9	77.1	69.3	60.5	52.7	48.8	44.9	41.0
25°	183.4	141.5	99.5	87.8	76.1	64.4	52.7	47.8	43.9	39.0
27.5°	243.9	181.5	118.0	101.5	85.9	69.3	52.7	46.8	42.0	36.1
30°	305.4	222.4	138.5	117.1	95.6	74.1	52.7	45.9	40.0	33.2
32.5°	363.9	260.5	156.1	130.7	105.4	79.0	53.7	45.9	38.0	30.2
35°	423.4	291.7	159.0	132.7	106.3	79.0	52.7	43.9	36.1	27.3
37.5°	499.5	326.8	153.2	126.8	101.5	75.1	49.8	42.0	34.1	25.4
40°	614.6	385.4	156.1	128.8	101.5	74.1	46.8	39.0	32.2	24.4
42.5°	827.3	498.5	168.8	137.6	106.3	74.1	42.9	36.1	30.2	23.4
45°	1430.2	828.3	226.3	179.5	132.7	85.9	39.0	33.2	28.3	22.4
47.5°	2365.8	1386.3	406.8	314.1	222.4	129.8	38.0	33.2	28.3	22.4
50°	3019.5	1765.8	512.2	394.1	276.1	158.0	40.0	34.1	29.3	23.4
52.5°	3014.6	1793.1	570.7	438.0	306.3	173.7	42.0	36.1	31.2	25.4
55°	2680.0	1631.2	581.5	446.8	313.2	178.5	44.9	39.0	33.2	27.3
57.5°	2240.0	1385.3	530.7	410.7	291.7	171.7	51.7	44.9	39.0	32.2
60°	1771.7	1092.7	413.7	326.8	241.0	154.1	68.3	59.5	51.7	42.9
62.5°	1223.4	792.2	361.0	289.8	219.5	148.3	78.0	69.3	61.5	52.7
65°	865.4	596.1	325.8	265.4	205.9	145.4	84.9	75.1	66.3	56.6
67.5°	646.8	474.1	300.5	248.8	197.1	145.4	93.7	81.9	71.2	59.5
70°	495.6	389.3	281.9	240.0	199.0	157.1	115.1	98.5	82.9	66.3
72.5°	403.9	332.7	260.5	230.2	200.0	169.8	139.5	118.0	96.6	74.1
75°	334.6	284.9	235.1	209.8	185.4	160.0	134.6	115.1	96.6	77.1
77.5°	222.4	202.9	182.4	167.8	153.2	137.6	122.9	106.3	90.7	74.1
80°	78.0	75.1	72.2	78.0	83.9	89.8	95.6	83.9	73.2	61.5
82.5°	11.7	10.7	9.8	10.7	11.7	12.7	13.7	14.6	15.6	16.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	47.8	47.8	46.8	46.8	46.8	45.9	45.9	44.9	44.9	44.9
0.0	5°	46.8	46.8	45.9	44.9	43.9	43.9	42.9	42.0	42.0	41.0
0.0	7.5°	45.9	44.9	43.9	42.9	42.0	41.0	40.0	39.0	39.0	38.0
0.0	10°	46.8	44.9	43.9	42.0	41.0	40.0	38.0	37.1	36.1	36.1
0.0	12.5°	44.9	43.9	42.0	40.0	39.0	37.1	36.1	34.1	33.2	33.2
0.0	15°	44.9	42.9	40.0	38.0	36.1	35.1	33.2	31.2	30.2	29.3
0.0	17.5°	42.0	40.0	37.1	35.1	33.2	31.2	29.3	27.3	26.3	25.4
0.0	20°	38.0	36.1	33.2	30.2	28.3	26.3	24.4	22.4	21.5	20.5
0.0	22.5°	34.1	32.2	29.3	26.3	24.4	22.4	19.5	17.6	16.6	14.6
0.0	25°	32.2	29.3	26.3	23.4	20.5	18.5	15.6	12.7	10.7	8.8
0.0	27.5°	27.3	24.4	21.5	18.5	15.6	12.7	9.8	6.8	4.9	3.9
0.0	30°	23.4	20.5	17.6	14.6	10.7	7.8	4.9	1.0	1.0	1.0
0.0	32.5°	19.5	16.6	12.7	9.8	7.8	4.9	2.9	0.0	0.0	0.0
0.0	35°	15.6	12.7	8.8	5.9	4.9	2.9	2.0	0.0	0.0	0.0
0.0	37.5°	13.7	10.7	6.8	2.9	2.0	2.0	1.0	0.0	0.0	0.0
0.0	40°	12.7	8.8	4.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0
0.0	42.5°	12.7	8.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	12.7	8.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	12.7	8.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	13.7	9.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	15.6	11.7	7.8	3.9	2.9	2.0	1.0	0.0	0.0	0.0
0.0	55°	19.5	17.6	14.6	12.7	9.8	6.8	2.9	0.0	0.0	0.0
0.0	57.5°	25.4	25.4	24.4	23.4	17.6	11.7	5.9	0.0	0.0	0.0
0.0	60°	34.1	34.1	34.1	34.1	25.4	17.6	8.8	0.0	0.0	0.0
0.0	62.5°	42.0	40.0	37.1	35.1	26.3	17.6	8.8	0.0	0.0	0.0
0.0	65°	42.0	38.0	33.2	28.3	21.5	14.6	6.8	0.0	0.0	0.0
0.0	67.5°	39.0	31.2	22.4	14.6	10.7	7.8	3.9	0.0	0.0	0.0
	70°	39.0	27.3	15.6	3.9	2.9	2.0	1.0	0.0	0.0	0.0
	72.5°	39.0	26.3	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	42.9	29.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	42.9	29.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	38.0	25.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	12.7	8.8	3.9	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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	43.9	43.9	43.9	42.9	42.9	42.9	42.9	42.0	42.0	42.0
0.0	5°	40.0	40.0	39.0	39.0	38.0	38.0	37.1	37.1	36.1	36.1
0.0	7.5°	37.1	36.1	36.1	35.1	34.1	34.1	33.2	33.2	32.2	31.2
0.0	10°	34.1	33.2	33.2	32.2	31.2	30.2	30.2	29.3	28.3	27.3
0.0	12.5°	31.2	30.2	29.3	28.3	27.3	26.3	26.3	25.4	24.4	23.4
0.0	15°	27.3	26.3	25.4	24.4	23.4	22.4	22.4	21.5	20.5	19.5
0.0	17.5°	23.4	22.4	22.4	21.5	20.5	19.5	18.5	16.6	15.6	14.6
0.0	20°	17.6	16.6	15.6	14.6	13.7	11.7	10.7	8.8	6.8	5.9
0.0	22.5°	11.7	9.8	8.8	6.8	4.9	3.9	2.9	1.0	0.0	0.0
0.0	25°	3.9	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	41.0	41.0	41.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	5°	35.1	35.1	35.1	34.1	34.1	33.2	33.2	33.2	32.2	32.2
0.0	7.5°	30.2	29.3	29.3	28.3	28.3	27.3	27.3	27.3	26.3	26.3
0.0	10°	25.4	24.4	24.4	23.4	23.4	22.4	22.4	21.5	21.5	20.5
0.0	12.5°	22.4	21.5	20.5	19.5	19.5	18.5	17.6	17.6	16.6	15.6
0.0	15°	17.6	16.6	15.6	14.6	13.7	12.7	11.7	11.7	10.7	9.8
0.0	17.5°	11.7	9.8	8.8	7.8	7.8	6.8	5.9	4.9	3.9	2.9
0.0	20°	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048969

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CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	40.0	39.0	39.0	39.0	40.0	40.0	40.0	40.0	40.0	40.0
0.0	5°	32.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
0.0	7.5°	26.3	25.4	25.4	25.4	25.4	24.4	24.4	24.4	24.4	24.4
0.0	10°	20.5	19.5	19.5	19.5	19.5	18.5	18.5	18.5	18.5	18.5
0.0	12.5°	14.6	14.6	13.7	13.7	13.7	12.7	12.7	12.7	12.7	11.7
0.0	15°	8.8	7.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9	4.9
0.0	17.5°	2.0	2.0	1.0	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	41.0	41.0	42.0	42.0	42.9	44.9	45.9	46.8	48.8	50.7
0.0	5°	32.2	33.2	33.2	34.1	35.1	36.1	37.1	38.0	40.0	42.0
0.0	7.5°	25.4	25.4	26.3	26.3	27.3	29.3	30.2	31.2	33.2	36.1
0.0	10°	19.5	19.5	20.5	20.5	21.5	23.4	24.4	25.4	27.3	30.2
0.0	12.5°	12.7	13.7	13.7	14.6	15.6	17.6	18.5	19.5	21.5	23.4
0.0	15°	5.9	6.8	6.8	7.8	8.8	10.7	11.7	12.7	14.6	17.6
0.0	17.5°	1.0	1.0	2.0	2.0	2.9	3.9	4.9	5.9	8.8	10.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	53.7	55.6	57.6	59.5	61.5	63.4	64.4	66.3	67.3	68.3
0.0	5°	45.9	47.8	50.7	52.7	54.6	56.6	58.5	59.5	60.5	61.5
0.0	7.5°	40.0	42.0	44.9	46.8	48.8	50.7	52.7	54.6	55.6	56.6
0.0	10°	34.1	37.1	39.0	42.0	43.9	45.9	47.8	49.8	51.7	52.7
0.0	12.5°	27.3	30.2	33.2	35.1	38.0	41.0	42.9	44.9	46.8	48.8
0.0	15°	21.5	24.4	27.3	29.3	32.2	35.1	38.0	40.0	42.0	43.9
0.0	17.5°	15.6	18.5	21.5	23.4	26.3	29.3	31.2	34.1	36.1	38.0
0.0	20°	7.8	10.7	13.7	16.6	19.5	22.4	24.4	27.3	29.3	31.2
0.0	22.5°	1.0	3.9	6.8	8.8	11.7	14.6	16.6	19.5	21.5	23.4
0.0	25°	0.0	1.0	2.9	3.9	4.9	6.8	8.8	10.7	12.7	14.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.9	5.9	7.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	1.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
	85°	0.0	0.0	0.0	0.0	0.0	2.0	2.9	4.9	5.9	6.8
	87.5°	0.0	1.0	2.0	2.9	3.9	5.9	7.8	9.8	10.7	11.7
	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: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
56.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.9	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											
1.0											
3.9											
8.8											
12.7											
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REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	69.3	69.3	69.3	69.3	68.3	68.3	68.3	67.3	67.3	66.3
0.0	5°	63.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	63.4	63.4
0.0	7.5°	58.5	59.5	60.5	60.5	61.5	61.5	61.5	60.5	60.5	59.5
0.0	10°	55.6	56.6	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
0.0	12.5°	51.7	52.7	53.7	53.7	54.6	54.6	54.6	54.6	53.7	53.7
0.0	15°	46.8	48.8	49.8	50.7	50.7	51.7	51.7	51.7	51.7	51.7
0.0	17.5°	42.9	44.9	45.9	46.8	46.8	47.8	47.8	48.8	48.8	48.8
0.0	20°	35.1	37.1	38.0	40.0	41.0	42.0	42.9	43.9	43.9	44.9
0.0	22.5°	27.3	29.3	30.2	32.2	33.2	34.1	35.1	36.1	37.1	38.0
0.0	25°	19.5	21.5	22.4	24.4	25.4	26.3	27.3	28.3	28.3	29.3
0.0	27.5°	10.7	12.7	14.6	15.6	17.6	18.5	19.5	20.5	21.5	22.4
0.0	30°	4.9	5.9	6.8	8.8	9.8	10.7	11.7	13.7	14.6	15.6
0.0	32.5°	0.0	0.0	1.0	2.9	3.9	4.9	5.9	6.8	6.8	7.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.9	3.9
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°	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	82.5°	4.9	5.9	6.8	6.8	7.8	7.8	7.8	7.8	6.8	6.8
	85°	9.8	10.7	11.7	11.7	12.7	12.7	12.7	12.7	12.7	12.7
	87.5°	13.7	14.6	15.6	15.6	16.6	16.6	16.6	16.6	16.6	16.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
56.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	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											
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2.9											
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REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	65.4	65.4	64.4	64.4	64.4	64.4	64.4	65.4	66.3	66.3
0.0	5°	62.4	62.4	61.5	61.5	61.5	62.4	62.4	63.4	64.4	65.4
0.0	7.5°	59.5	58.5	58.5	59.5	59.5	60.5	60.5	61.5	62.4	63.4
0.0	10°	57.6	56.6	56.6	56.6	57.6	57.6	58.5	59.5	60.5	61.5
0.0	12.5°	53.7	53.7	53.7	53.7	54.6	54.6	55.6	56.6	58.5	59.5
0.0	15°	51.7	50.7	50.7	50.7	50.7	51.7	51.7	53.7	55.6	56.6
0.0	17.5°	47.8	47.8	46.8	46.8	47.8	47.8	48.8	50.7	52.7	53.7
0.0	20°	43.9	42.9	42.0	42.0	42.9	42.9	43.9	45.9	47.8	48.8
0.0	22.5°	38.0	37.1	37.1	37.1	37.1	38.0	38.0	40.0	42.9	44.9
0.0	25°	30.2	31.2	31.2	32.2	32.2	33.2	34.1	36.1	39.0	41.0
0.0	27.5°	23.4	24.4	24.4	26.3	27.3	28.3	29.3	32.2	35.1	37.1
0.0	30°	17.6	18.5	19.5	20.5	22.4	24.4	26.3	29.3	32.2	34.1
0.0	32.5°	10.7	12.7	13.7	15.6	17.6	19.5	21.5	24.4	28.3	31.2
0.0	35°	7.8	8.8	10.7	11.7	13.7	15.6	17.6	21.5	24.4	28.3
0.0	37.5°	3.9	5.9	7.8	9.8	11.7	13.7	15.6	19.5	23.4	26.3
0.0	40°	2.9	4.9	5.9	7.8	10.7	12.7	14.6	18.5	22.4	26.3
0.0	42.5°	2.0	2.9	3.9	6.8	8.8	11.7	14.6	18.5	22.4	26.3
0.0	45°	2.0	2.0	2.9	5.9	8.8	12.7	15.6	19.5	22.4	26.3
0.0	47.5°	2.0	2.9	3.9	7.8	9.8	12.7	15.6	18.5	22.4	25.4
0.0	50°	2.9	3.9	4.9	8.8	10.7	13.7	15.6	19.5	22.4	26.3
0.0	52.5°	2.0	2.9	3.9	7.8	10.7	14.6	17.6	21.5	25.4	28.3
0.0	55°	1.0	1.0	1.0	5.9	11.7	16.6	22.4	25.4	29.3	32.2
0.0	57.5°	0.0	0.0	0.0	3.9	11.7	18.5	25.4	29.3	33.2	36.1
0.0	60°	0.0	0.0	0.0	3.9	11.7	18.5	25.4	30.2	35.1	40.0
0.0	62.5°	0.0	0.0	0.0	3.9	9.8	15.6	21.5	29.3	38.0	45.9
0.0	65°	0.0	0.0	0.0	2.9	7.8	12.7	17.6	29.3	41.0	51.7
0.0	67.5°	0.0	0.0	0.0	2.9	7.8	11.7	16.6	29.3	41.0	53.7
	70°	0.0	0.0	0.0	2.9	7.8	12.7	17.6	29.3	41.0	52.7
	72.5°	0.0	0.0	0.0	2.9	8.8	13.7	19.5	29.3	39.0	48.8
	75°	0.0	0.0	0.0	3.9	8.8	14.6	20.5	29.3	38.0	45.9
	77.5°	0.0	0.0	0.0	2.9	8.8	13.7	19.5	28.3	37.1	44.9
	80°	2.9	2.0	2.0	4.9	8.8	12.7	16.6	25.4	35.1	43.9
	82.5°	5.9	5.9	4.9	6.8	8.8	11.7	14.6	22.4	31.2	39.0
	85°	11.7	11.7	10.7	11.7	11.7	12.7	13.7	17.6	21.5	25.4
	87.5°	15.6	15.6	14.6	14.6	14.6	13.7	13.7	13.7	13.7	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: P1048969

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CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
56.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.4											
58.5											
54.6											
53.7											
52.7											
46.8											
29.3											
12.7											
0.0											
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REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	68.3	69.3	69.3	70.2	71.2	72.2	72.2	73.2	73.2	73.2
0.0	5°	67.3	69.3	70.2	71.2	72.2	73.2	74.1	75.1	76.1	76.1
0.0	7.5°	66.3	67.3	69.3	70.2	72.2	73.2	75.1	76.1	77.1	78.0
0.0	10°	64.4	66.3	68.3	70.2	72.2	74.1	76.1	78.0	80.0	81.0
0.0	12.5°	62.4	65.4	67.3	69.3	72.2	75.1	77.1	80.0	81.9	83.9
0.0	15°	61.5	63.4	66.3	68.3	72.2	76.1	79.0	82.9	86.8	89.8
0.0	17.5°	58.5	62.4	65.4	68.3	72.2	77.1	81.0	84.9	90.7	96.6
0.0	20°	54.6	57.6	61.5	64.4	70.2	75.1	81.0	85.9	94.6	103.4
0.0	22.5°	50.7	54.6	57.6	61.5	68.3	74.1	81.0	86.8	101.5	115.1
0.0	25°	46.8	51.7	55.6	59.5	67.3	75.1	82.9	90.7	115.1	139.5
0.0	27.5°	44.9	48.8	53.7	57.6	67.3	78.0	87.8	97.6	136.6	174.6
0.0	30°	42.0	46.8	50.7	55.6	68.3	81.0	93.7	106.3	165.9	225.4
0.0	32.5°	39.0	43.9	48.8	53.7	70.2	86.8	102.4	119.0	197.1	274.1
0.0	35°	36.1	42.0	46.8	51.7	73.2	95.6	117.1	138.5	225.4	311.2
0.0	37.5°	35.1	41.0	45.9	50.7	74.1	96.6	120.0	142.4	228.3	314.1
0.0	40°	36.1	41.0	46.8	51.7	71.2	90.7	109.3	128.8	218.5	307.3
0.0	42.5°	36.1	42.0	47.8	53.7	69.3	84.9	100.5	116.1	215.6	315.1
0.0	45°	35.1	41.0	46.8	52.7	67.3	81.0	95.6	109.3	233.2	356.1
0.0	47.5°	34.1	40.0	45.9	51.7	66.3	81.0	95.6	110.2	301.5	491.7
0.0	50°	34.1	40.0	44.9	49.8	67.3	85.9	103.4	121.0	439.0	756.1
0.0	52.5°	36.1	41.0	44.9	48.8	69.3	90.7	111.2	131.7	558.0	983.4
0.0	55°	39.0	42.0	45.9	48.8	74.1	98.5	123.9	148.3	594.1	1040.0
0.0	57.5°	42.9	45.9	48.8	51.7	82.9	114.1	144.4	175.6	597.1	1017.5
0.0	60°	47.8	51.7	54.6	57.6	90.7	124.9	158.0	191.2	540.5	888.8
0.0	62.5°	58.5	63.4	67.3	72.2	104.4	135.6	167.8	199.0	448.8	698.5
0.0	65°	67.3	71.2	75.1	79.0	110.2	142.4	173.7	204.9	380.5	556.1
0.0	67.5°	69.3	73.2	76.1	80.0	112.2	144.4	175.6	207.8	325.8	442.9
	70°	70.2	75.1	81.0	85.9	119.0	152.2	184.4	217.6	288.8	360.0
	72.5°	67.3	77.1	85.9	94.6	125.9	156.1	187.3	217.6	268.3	319.0
	75°	67.3	81.0	93.7	106.3	129.8	152.2	175.6	198.0	237.1	276.1
	77.5°	71.2	88.8	106.3	123.9	137.6	150.2	163.9	176.6	201.9	227.3
	80°	71.2	89.8	107.3	125.9	131.7	138.5	144.4	150.2	153.2	156.1
	82.5°	61.5	76.1	90.7	105.4	98.5	91.7	84.9	78.0	73.2	67.3
	85°	31.2	34.1	36.1	38.0	35.1	32.2	29.3	26.3	24.4	21.5
	87.5°	12.7	12.7	11.7	11.7	11.7	11.7	10.7	10.7	10.7	10.7
	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: P1048969

CATALOG NUMBER: GALN-SA4A-730-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
56.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
288.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
391.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
488.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
555.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
604.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
654.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
752.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
947.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1443.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2211.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2784.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2847.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2569.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2197.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1717.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1297.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
958.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
678.0											
504.4											
366.8											
276.1											
155.1											
70.2											
20.5											
9.8											
0.0											
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REPORT NUMBER: P1048969

CATALOG NUMBER: GALN-SA4A-730-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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	73.2	72.2	72.2	71.2	70.2	69.3	68.3	67.3	66.3	65.4
0.0	5°	76.1	76.1	76.1	75.1	75.1	74.1	74.1	73.2	72.2	71.2
0.0	7.5°	79.0	80.0	80.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0
0.0	10°	83.9	84.9	85.9	86.8	87.8	88.8	88.8	89.8	89.8	89.8
0.0	12.5°	89.8	92.7	94.6	97.6	99.5	102.4	104.4	107.3	109.3	111.2
0.0	15°	98.5	103.4	109.3	114.1	119.0	125.9	133.7	140.5	147.3	158.0
0.0	17.5°	111.2	126.8	142.4	157.1	172.7	206.8	241.0	274.1	308.3	358.0
0.0	20°	135.6	182.4	228.3	275.1	321.0	441.0	560.0	680.0	799.0	926.8
0.0	22.5°	190.2	305.4	420.5	535.6	650.7	901.4	1151.2	1401.9	1651.7	1945.3
0.0	25°	276.1	487.8	699.5	910.2	1121.9	1514.1	1907.3	2299.5	2691.7	3073.1
0.0	27.5°	401.9	725.8	1049.7	1372.7	1696.6	2228.3	2760.9	3292.6	3824.3	4255.5
0.0	30°	557.1	996.1	1435.1	1874.1	2313.1	2918.0	3522.9	4126.8	4731.6	5202.8
0.0	32.5°	703.4	1241.0	1778.5	2315.1	2852.6	3541.4	4231.1	4919.9	5608.7	6123.8
0.0	35°	799.0	1448.8	2099.5	2749.2	3399.0	4144.3	4889.7	5634.0	6379.4	6967.7
0.0	37.5°	894.6	1644.8	2394.1	3144.3	3893.6	4712.1	5530.6	6349.2	7167.7	7894.5
0.0	40°	1001.9	1881.9	2760.9	3640.9	4519.9	5489.7	6458.4	7428.2	8396.9	9422.3
0.0	42.5°	1188.3	2275.1	3362.9	4449.7	5536.5	6819.4	8102.3	9384.2	10667.1	12130.5
0.0	45°	1538.5	3070.2	4602.8	6134.5	7666.2	9365.7	11066.2	12765.6	14465.1	16412.4
0.0	47.5°	2396.1	4503.3	6609.6	8716.9	10823.2	12658.3	14492.4	16327.5	18161.6	20101.1
0.0	50°	3666.3	6118.9	8571.6	11023.2	13475.9	15136.3	16795.8	18456.3	20115.8	21960.6
0.0	52.5°	4585.3	7140.4	9696.4	12251.5	14806.6	16305.1	17804.6	19303.1	20801.6	22525.5
0.0	55°	4654.6	7195.0	9736.4	12276.9	14817.3	16322.6	17828.0	19333.3	20838.7	22666.0
0.0	57.5°	4120.9	6640.9	9159.8	11679.8	14198.8	15912.9	17626.0	19340.2	21053.3	23028.9
0.0	60°	3505.3	6026.2	8546.2	11067.1	13587.1	15561.7	17537.3	19511.9	21486.5	23337.2
0.0	62.5°	2734.6	5327.7	7921.8	10514.9	13108.1	15112.9	17117.8	19121.6	21126.5	22514.7
0.0	65°	2038.0	4556.0	7074.0	9591.1	12109.1	13714.9	15320.7	16925.6	18531.4	19390.9
0.0	67.5°	1473.1	3644.8	5815.5	7987.2	10157.9	11307.1	12456.4	13604.6	14753.9	15411.4
	70°	996.1	2500.4	4003.8	5508.2	7011.6	7956.0	8901.3	9845.7	10790.1	11677.8
	72.5°	689.7	1534.6	2380.4	3225.3	4070.2	5020.4	5969.7	6919.9	7869.1	8808.6
	75°	457.6	841.9	1227.3	1611.7	1996.1	2699.5	3403.8	4107.2	4810.6	5370.6
	77.5°	324.9	440.0	556.1	671.2	786.3	918.0	1050.7	1182.4	1314.1	1514.1
	80°	154.1	168.8	183.4	197.1	211.7	259.5	307.3	355.1	402.9	453.7
	82.5°	73.2	79.0	84.9	89.8	95.6	100.5	105.4	110.2	115.1	110.2
	85°	19.5	19.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	19.5
	87.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.8	7.8	6.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
56.6	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
406.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2239.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3454.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4686.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5675.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6639.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7556.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8622.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10447.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13593.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18359.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22040.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23805.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24249.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24494.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25004.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25186.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23904.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20251.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16070.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12564.7											
9748.1											
5930.6											
1714.1											
504.4											
104.4											
18.5											
6.8											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	2.5°	63.4	62.4	61.5	60.5	59.5	57.6	57.6	56.6	56.6
0.0	5°	69.3	68.3	67.3	66.3	66.3	65.4	64.4	64.4	63.4
0.0	7.5°	79.0	78.0	77.1	76.1	76.1	75.1	75.1	74.1	74.1
0.0	10°	90.7	90.7	90.7	90.7	90.7	89.8	89.8	89.8	88.8
0.0	12.5°	114.1	115.1	117.1	119.0	121.9	121.9	121.9	121.0	121.0
0.0	15°	180.5	191.2	199.0	206.8	213.7	229.3	227.3	224.4	222.4
0.0	17.5°	456.6	505.4	531.7	557.1	583.4	655.6	643.9	632.2	621.5
0.0	20°	1183.4	1311.2	1396.1	1481.0	1566.8	1702.4	1669.2	1636.1	1602.9
0.0	22.5°	2531.7	2825.3	2953.1	3080.9	3207.7	3371.6	3265.3	3159.0	3053.6
0.0	25°	3835.1	4216.5	4432.1	4647.7	4862.4	4956.0	4817.5	4678.0	4539.4
0.0	27.5°	5118.0	5549.2	5739.4	5928.7	6118.9	6315.0	6143.3	5970.6	5798.9
0.0	30°	6146.2	6617.4	6823.3	7028.2	7234.0	7370.6	7193.0	7014.5	6837.0
0.0	32.5°	7155.0	7670.1	7895.5	8120.8	8345.2	8541.3	8322.8	8103.3	7884.7
0.0	35°	8143.3	8731.6	9041.8	9352.0	9662.3	9844.7	9585.2	9324.7	9065.2
0.0	37.5°	9349.1	10075.9	10423.2	10770.5	11117.9	11450.5	11164.7	10877.9	10592.0
0.0	40°	11473.0	12498.3	13031.0	13564.6	14097.3	14526.6	14165.6	13804.6	13443.7
0.0	42.5°	15057.3	16520.7	17286.5	18051.4	18817.2	19487.5	19108.0	18728.5	18349.0
0.0	45°	20307.0	22254.3	23187.9	24120.6	25054.2	25544.0	24997.6	24450.3	23904.0
0.0	47.5°	23979.1	25918.6	26749.8	27581.0	28412.2	28971.2	28302.9	27634.6	26967.3
0.0	50°	25649.3	27494.2	28328.3	29161.5	29995.6	30439.5	29667.8	28895.1	28123.4
0.0	52.5°	25972.2	27696.1	28691.2	29687.3	30682.4	31275.6	30364.4	29452.2	28541.0
0.0	55°	26321.5	28148.8	29302.9	30458.0	31612.1	32433.6	31403.4	30372.2	29341.9
0.0	57.5°	26979.0	28954.6	30105.8	31256.0	32407.2	33104.8	32071.6	31037.5	30004.4
0.0	60°	27037.6	28887.3	29876.6	30866.8	31856.0	32295.1	31306.8	30317.5	29329.3
0.0	62.5°	25292.2	26680.5	27367.3	28054.2	28741.0	29218.0	28186.8	27154.7	26123.5
0.0	65°	21110.9	21970.4	22517.7	23065.0	23612.3	24181.0	23236.7	22292.3	21347.9
0.0	67.5°	16727.5	17385.1	18106.0	18827.0	19548.0	20155.8	19399.7	18642.6	17886.5
	70°	13452.5	14339.3	15150.0	15960.7	16771.4	17269.0	16510.0	15750.0	14991.0
	72.5°	10687.6	11627.1	12304.2	12980.3	13657.3	13779.3	13221.2	12663.2	12106.1
	75°	6489.6	7049.6	7063.3	7076.0	7089.6	7205.7	6743.3	6280.9	5819.4
	77.5°	1914.1	2114.1	2279.0	2442.9	2607.8	2806.8	2637.0	2466.3	2296.5
	80°	554.1	604.9	647.8	689.7	732.7	707.3	667.3	627.3	587.3
	82.5°	99.5	93.7	92.7	91.7	91.7	86.8	79.0	71.2	63.4
	85°	17.6	16.6	15.6	14.6	13.7	12.7	10.7	9.8	7.8
	87.5°	5.9	4.9	3.9	2.9	2.9	1.0	1.0	1.0	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):

[illegible]

REPORT NUMBER: P1048969

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CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
0.0	0.0	2.5°	55.6	54.6	54.6	54.6	54.6	53.7	53.7	53.7	53.7
0.0	0.0	5°	61.5	61.5	60.5	60.5	59.5	59.5	58.5	58.5	57.6
0.0	0.0	7.5°	72.2	71.2	70.2	69.3	68.3	66.3	65.4	64.4	64.4
0.0	0.0	10°	86.8	84.9	83.9	81.9	81.0	79.0	77.1	75.1	73.2
0.0	0.0	12.5°	114.1	110.2	107.3	103.4	99.5	96.6	92.7	89.8	85.9
0.0	0.0	15°	198.0	188.3	177.6	164.9	151.2	138.5	124.9	117.1	108.3
0.0	0.0	17.5°	506.3	455.6	403.9	361.9	320.0	279.0	237.1	206.8	176.6
0.0	0.0	20°	1288.8	1148.3	1007.8	869.3	729.7	591.2	451.7	381.5	311.2
0.0	0.0	22.5°	2425.3	2164.8	1903.4	1650.7	1397.0	1144.4	891.7	732.7	574.6
0.0	0.0	25°	3743.4	3415.6	3087.8	2672.1	2255.6	1840.0	1424.4	1165.8	907.3
0.0	0.0	27.5°	4871.1	4493.6	4116.0	3610.7	3105.3	2600.0	2094.6	1709.2	1324.9
0.0	0.0	30°	5847.7	5441.9	5036.0	4447.7	3859.4	3271.2	2682.9	2200.9	1719.0
0.0	0.0	32.5°	6694.5	6208.7	5722.8	5116.0	4509.2	3902.4	3295.6	2704.3	2113.1
0.0	0.0	35°	7671.1	7104.3	6536.5	5863.3	5189.2	4516.0	3842.9	3175.6	2507.3
0.0	0.0	37.5°	8912.0	8216.4	7519.9	6769.6	6019.4	5270.2	4519.9	3757.0	2994.1
0.0	0.0	40°	11287.6	10390.1	9492.5	8539.4	7585.2	6632.1	5678.9	4742.4	3805.8
0.0	0.0	42.5°	15544.1	14331.5	13118.8	11850.5	10581.3	9313.0	8043.8	6722.8	5400.9
0.0	0.0	45°	20347.9	18843.6	17338.2	15914.8	14490.5	13067.1	11643.7	9831.1	8018.4
0.0	0.0	47.5°	23049.4	21425.0	19800.6	18453.3	17106.0	15758.8	14411.5	12457.3	10503.2
0.0	0.0	50°	24043.5	22389.9	20736.2	19496.3	18255.3	17015.3	15774.4	13817.3	11859.3
0.0	0.0	52.5°	24255.2	22568.4	20881.6	19633.8	18386.0	17139.2	15891.4	13947.1	12002.7
0.0	0.0	55°	24690.3	22880.6	21069.9	19647.5	18225.1	16802.6	15380.2	13404.6	11429.1
0.0	0.0	57.5°	25259.1	23403.5	21547.9	19927.5	18307.0	16687.5	15067.1	12907.1	10747.1
0.0	0.0	60°	25109.8	23495.2	21879.6	20144.0	18407.5	16671.9	14935.4	12559.8	10183.2
0.0	0.0	62.5°	22518.6	21232.8	19946.0	18518.7	17090.4	15663.1	14235.9	11790.0	9344.2
0.0	0.0	65°	18525.5	17587.0	16648.5	15500.2	14351.0	13202.7	12054.4	9861.3	7669.1
0.0	0.0	67.5°	15014.4	13956.8	12898.3	11983.2	11067.1	10152.0	9235.9	7510.1	5784.3
		70°	11928.6	10778.4	9627.2	8733.5	7838.9	6945.2	6051.6	4904.3	3758.0
		72.5°	9473.0	8436.0	7398.9	6445.7	5491.6	4538.5	3584.3	2906.3	2228.3
		75°	4527.7	4113.1	3698.5	3199.9	2701.4	2202.9	1704.4	1408.8	1114.1
		77.5°	1678.0	1454.6	1230.2	1027.3	824.4	622.4	419.5	384.4	349.3
		80°	434.1	378.5	321.9	281.9	241.0	201.0	161.0	145.4	130.7
		82.5°	49.8	45.9	42.9	41.0	38.0	36.1	33.2	30.2	27.3
		85°	2.9	2.0	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
		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: P1048969

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CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	56.6	56.6
0.0	0.0	2.5°	52.7	51.7
0.0	0.0	5°	55.6	54.6
0.0	0.0	7.5°	61.5	59.5
0.0	0.0	10°	67.3	65.4
0.0	0.0	12.5°	76.1	73.2
0.0	0.0	15°	85.9	80.0
0.0	0.0	17.5°	102.4	89.8
0.0	0.0	20°	138.5	106.3
0.0	0.0	22.5°	195.1	132.7
0.0	0.0	25°	286.8	183.4
0.0	0.0	27.5°	399.0	243.9
0.0	0.0	30°	530.7	305.4
0.0	0.0	32.5°	646.8	363.9
0.0	0.0	35°	798.0	423.4
0.0	0.0	37.5°	984.4	499.5
0.0	0.0	40°	1273.1	614.6
0.0	0.0	42.5°	1793.1	827.3
0.0	0.0	45°	2912.1	1430.2
0.0	0.0	47.5°	4480.9	2365.8
0.0	0.0	50°	5481.9	3019.5
0.0	0.0	52.5°	5563.8	3014.6
0.0	0.0	55°	5078.9	2680.0
0.0	0.0	57.5°	4333.6	2240.0
0.0	0.0	60°	3601.9	1771.7
0.0	0.0	62.5°	2838.0	1223.4
0.0	0.0	65°	2074.1	865.4
0.0	0.0	67.5°	1489.7	646.8
		70°	979.5	495.6
		72.5°	638.0	403.9
		75°	429.3	334.6
		77.5°	250.7	222.4
		80°	88.8	78.0
		82.5°	16.6	11.7
		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: P1048969

CATALOG NUMBER: GALN-SA4A-730-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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

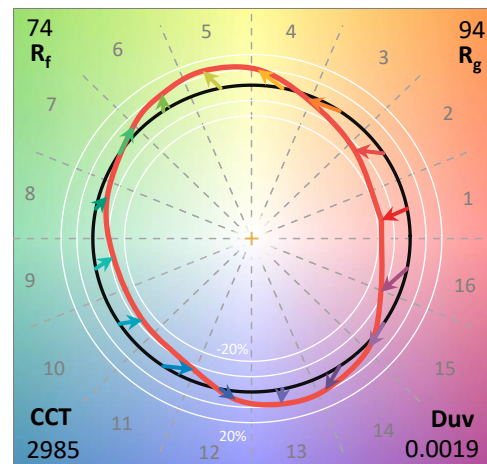
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

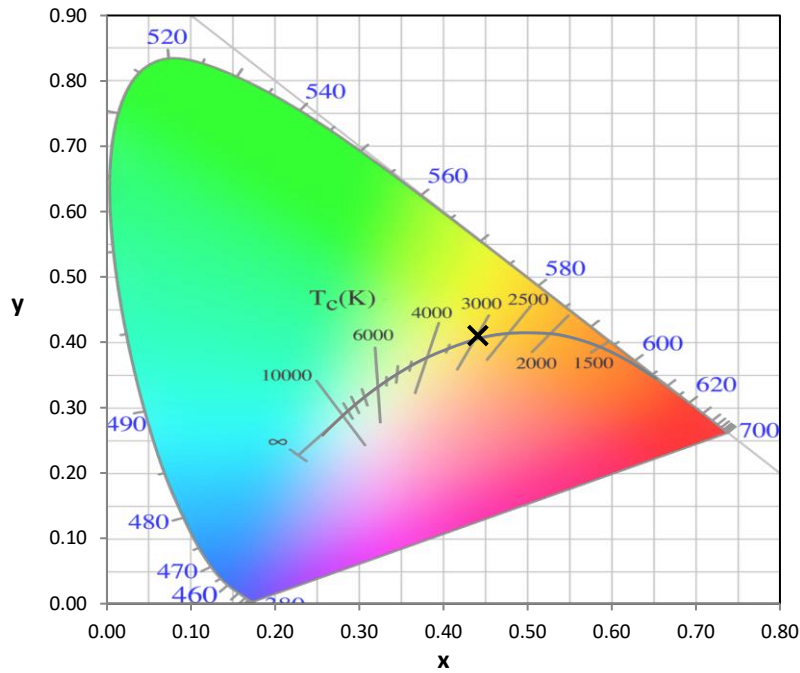
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

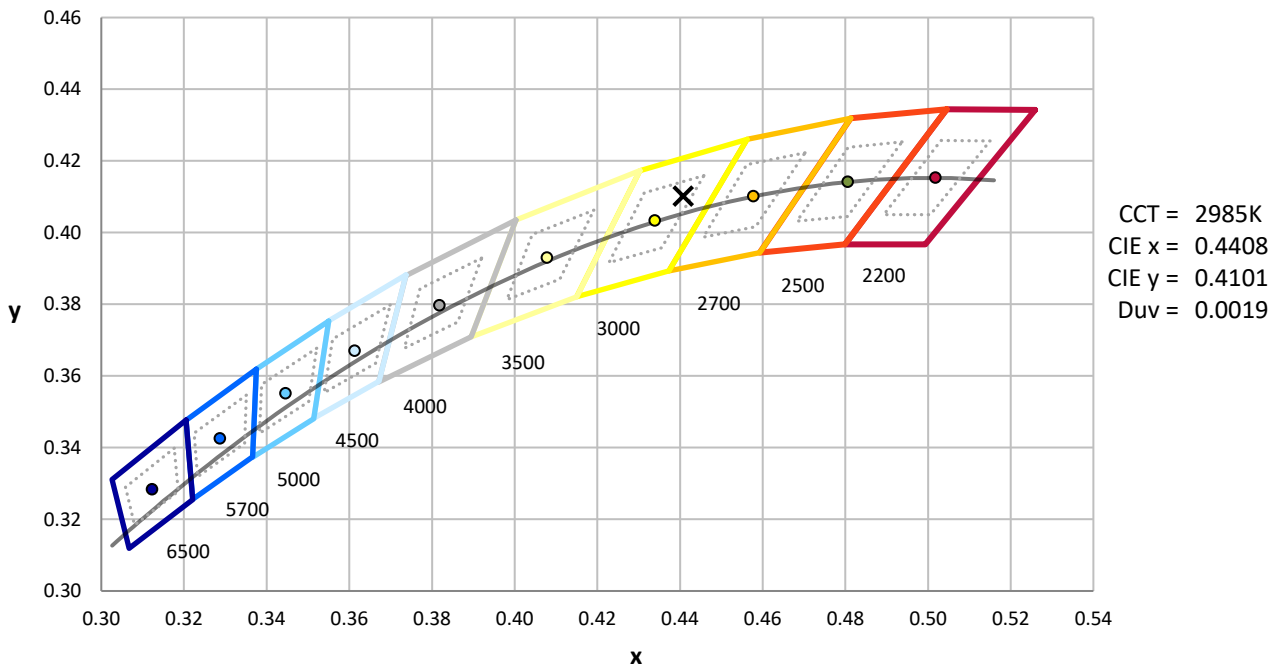
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



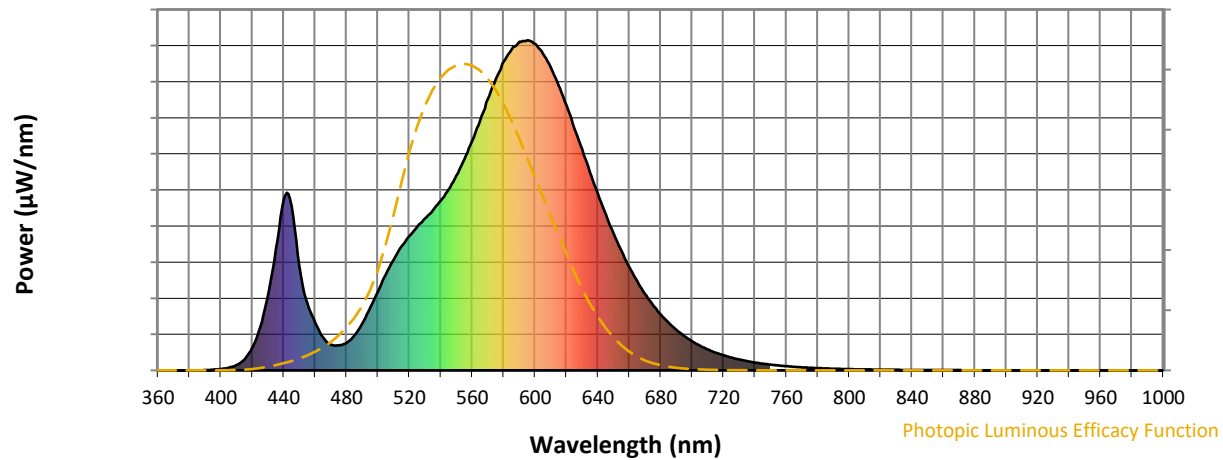
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

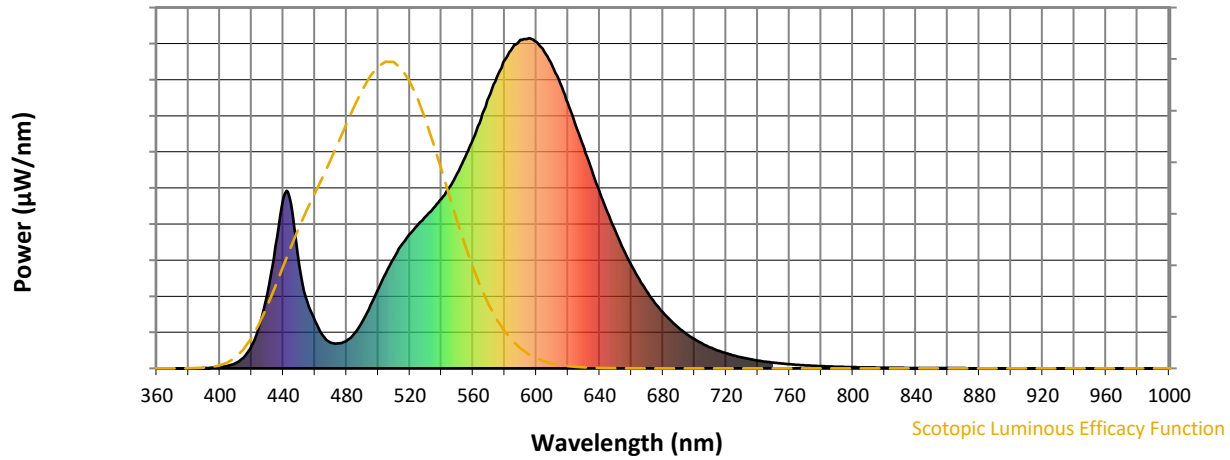


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



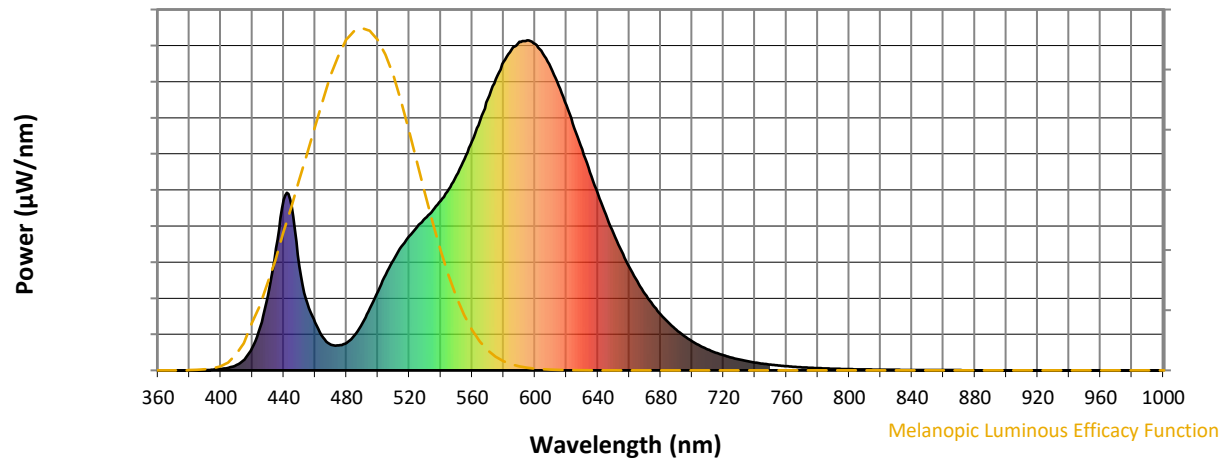
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

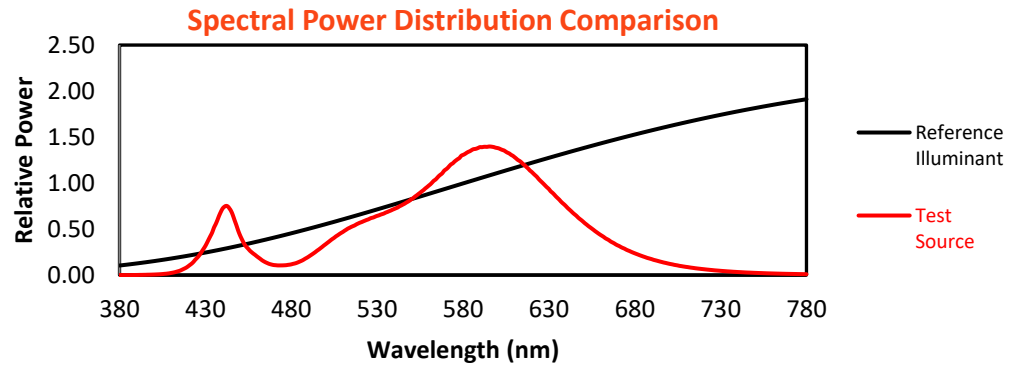
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

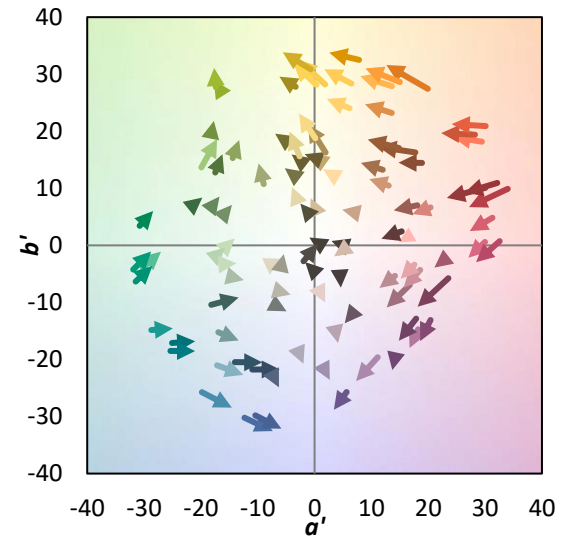
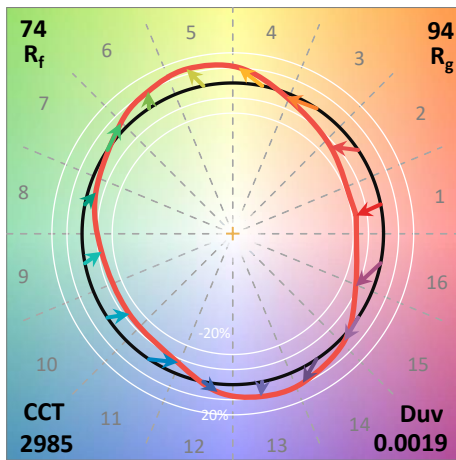
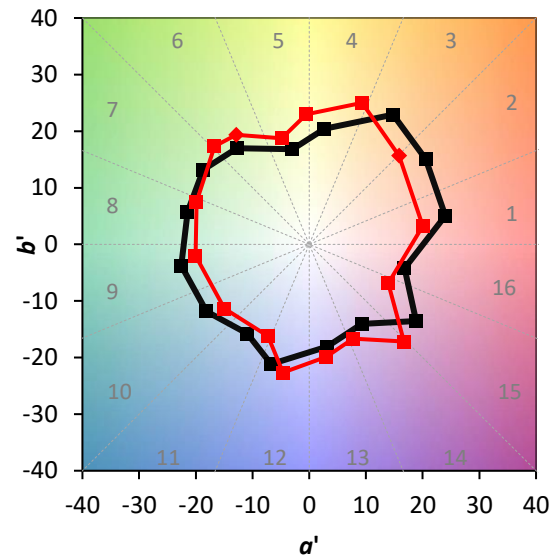
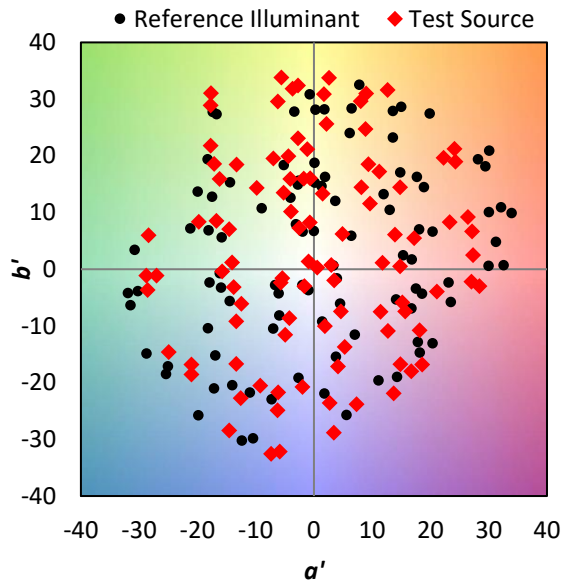
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

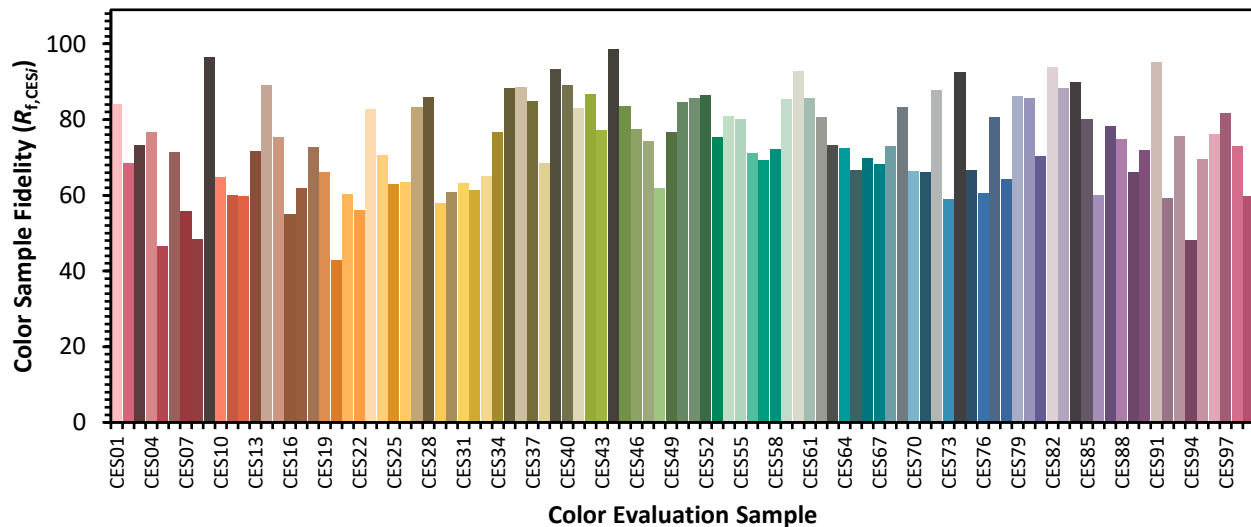


Color Vector Graphics

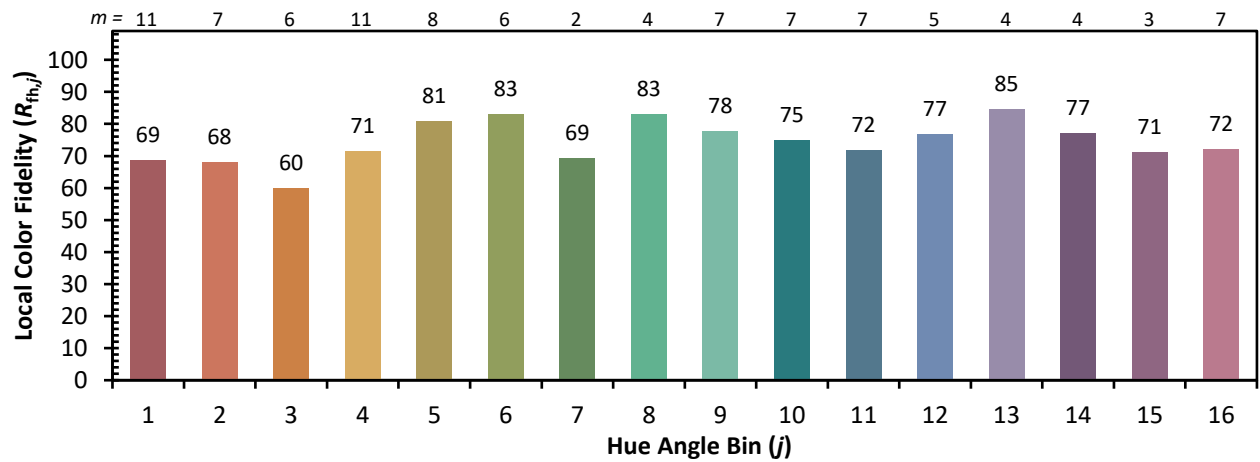
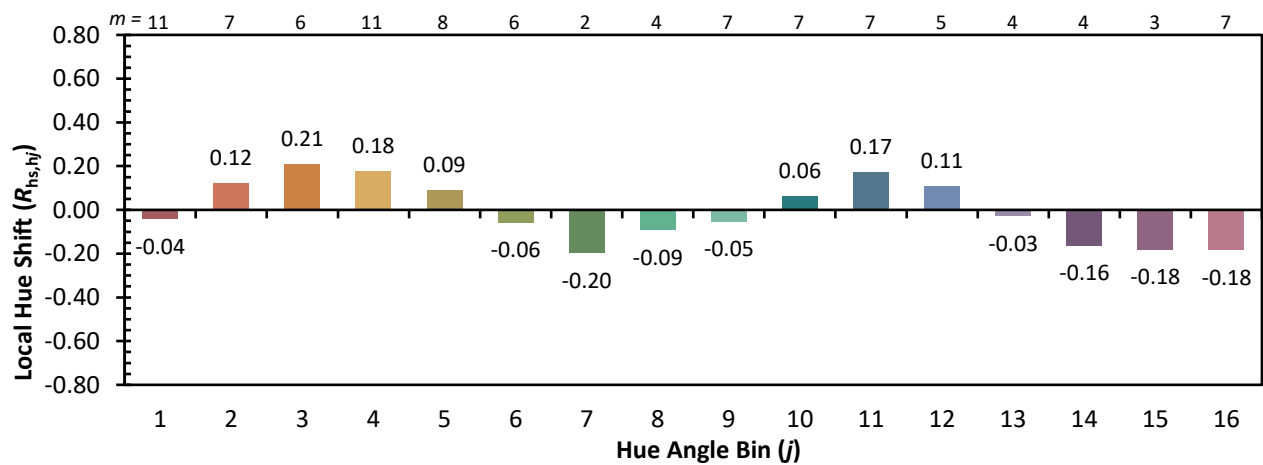
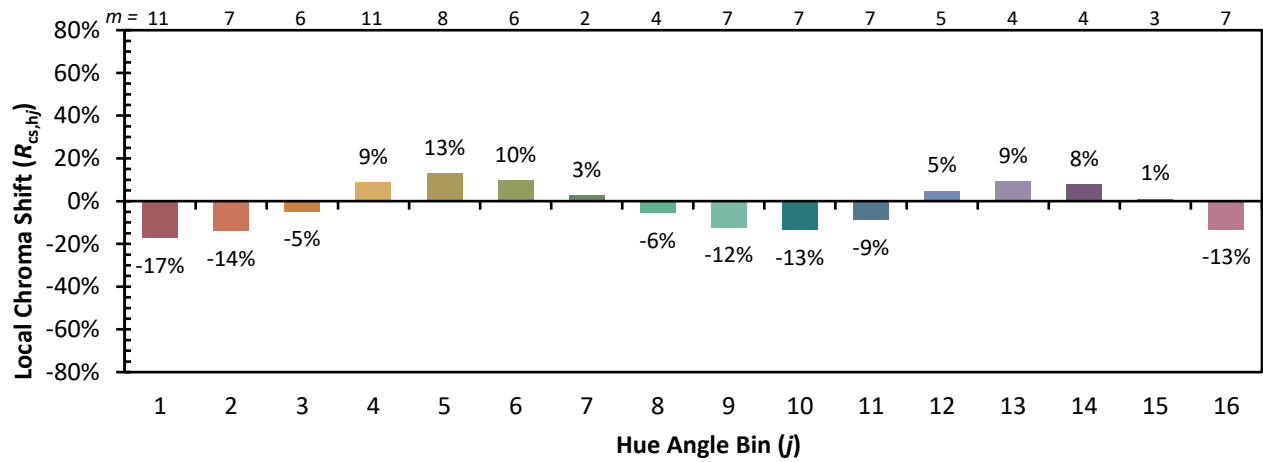


Individual Sample Fidelity Index ($R_{f,i}$)

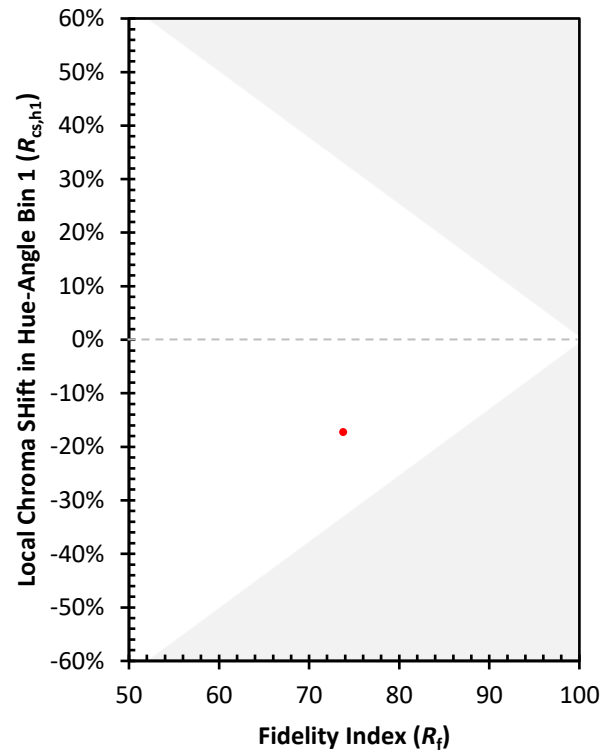
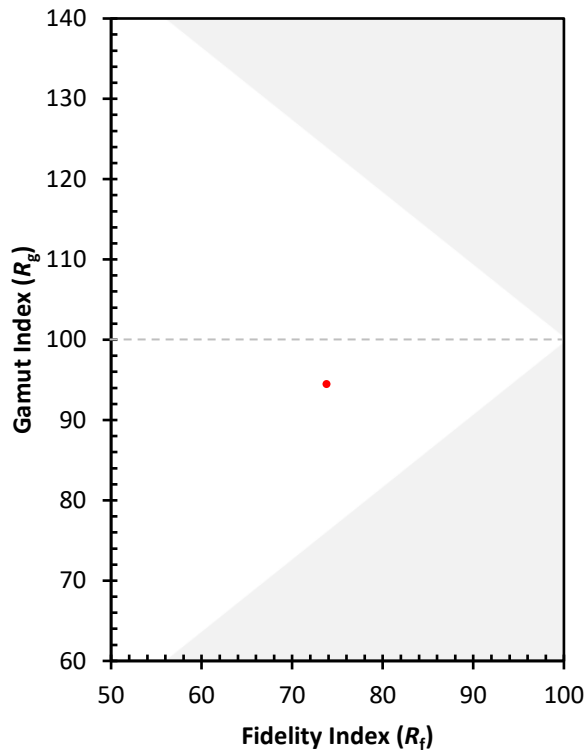
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)