

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: P1049421

Luminaire Tested: **GALN-SA9A-940-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049421
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-940-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
90CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (126) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21471.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 244.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

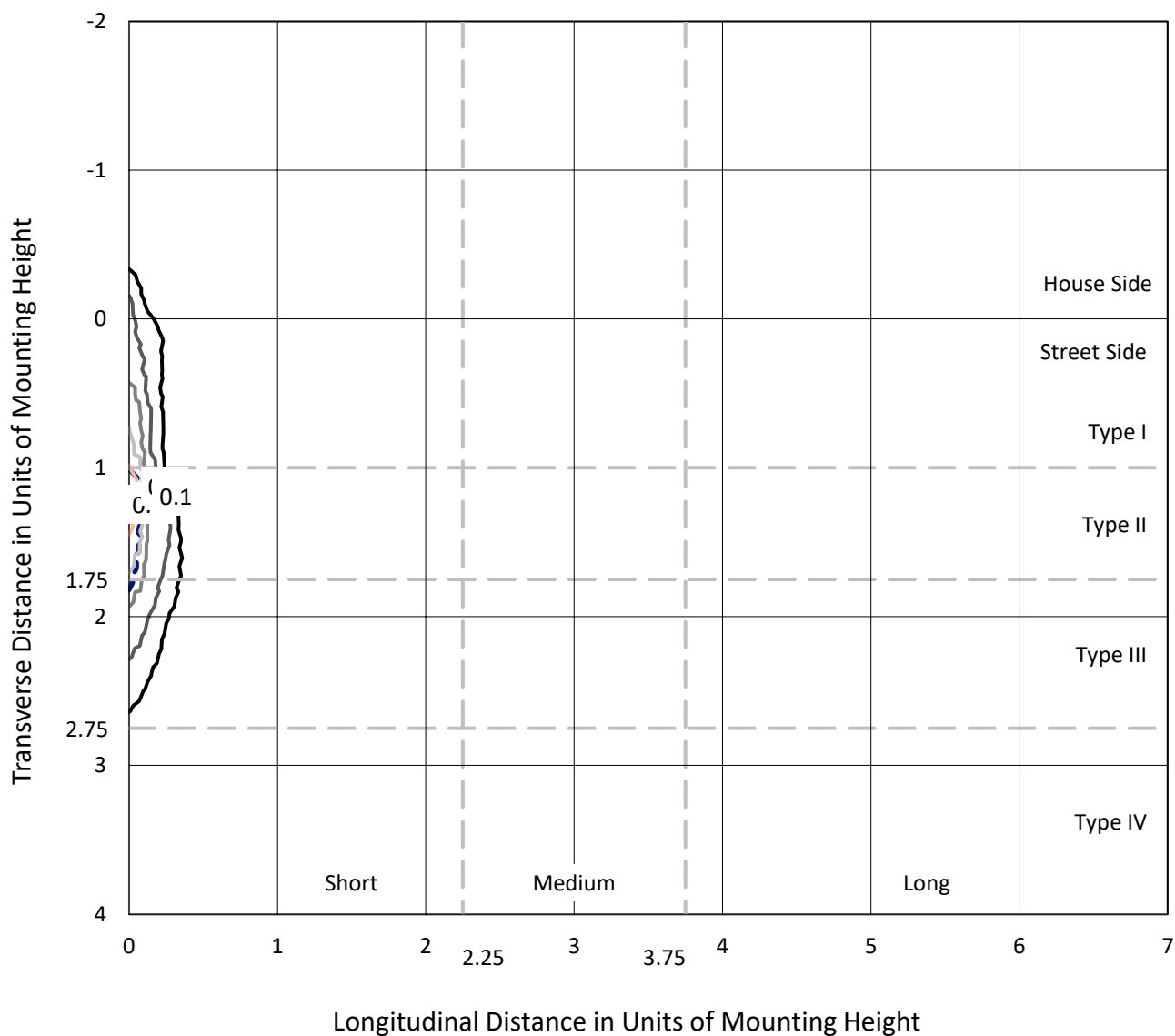
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

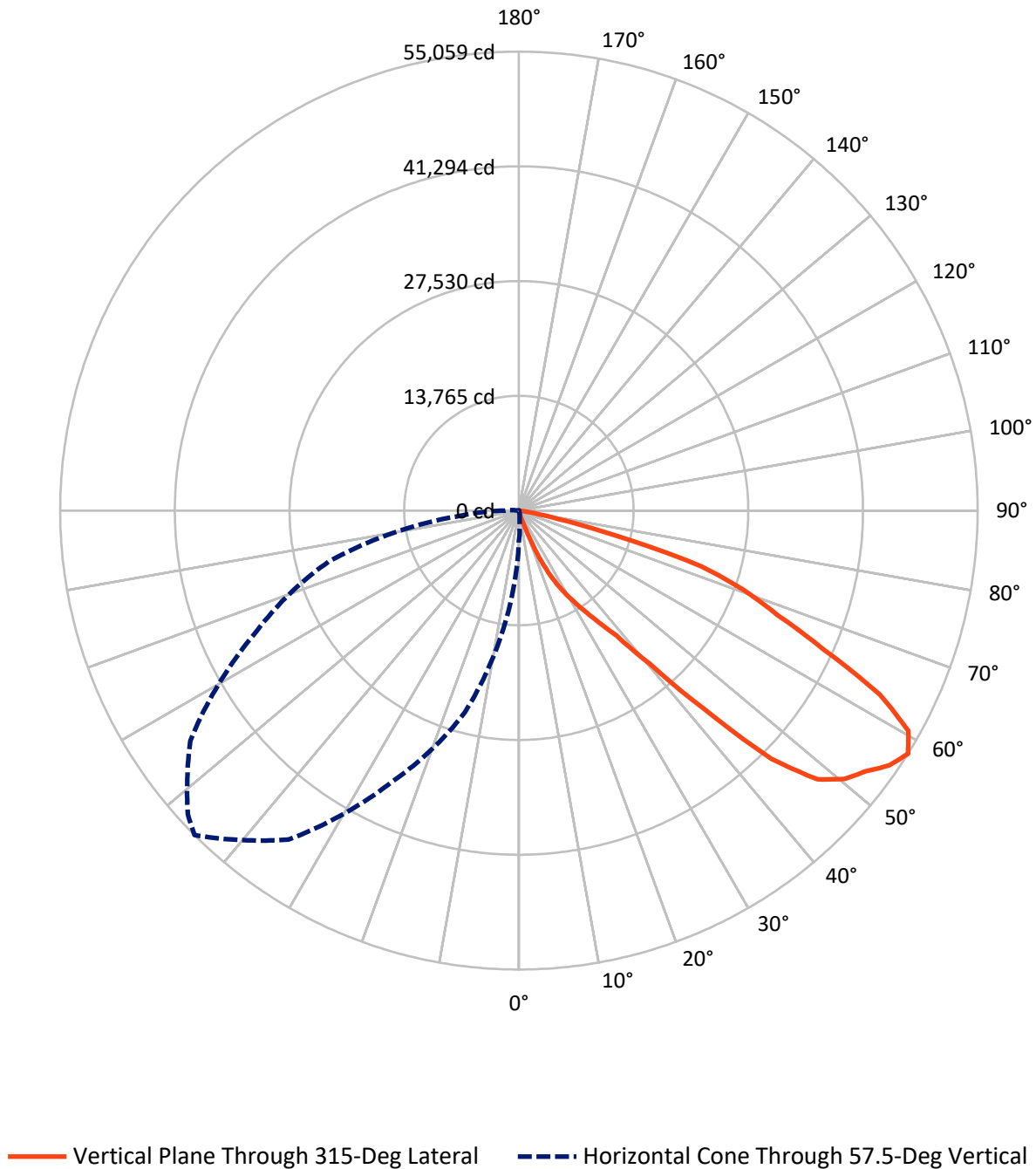


Based on 20 foot mounting height. Maximum calculated value = 3.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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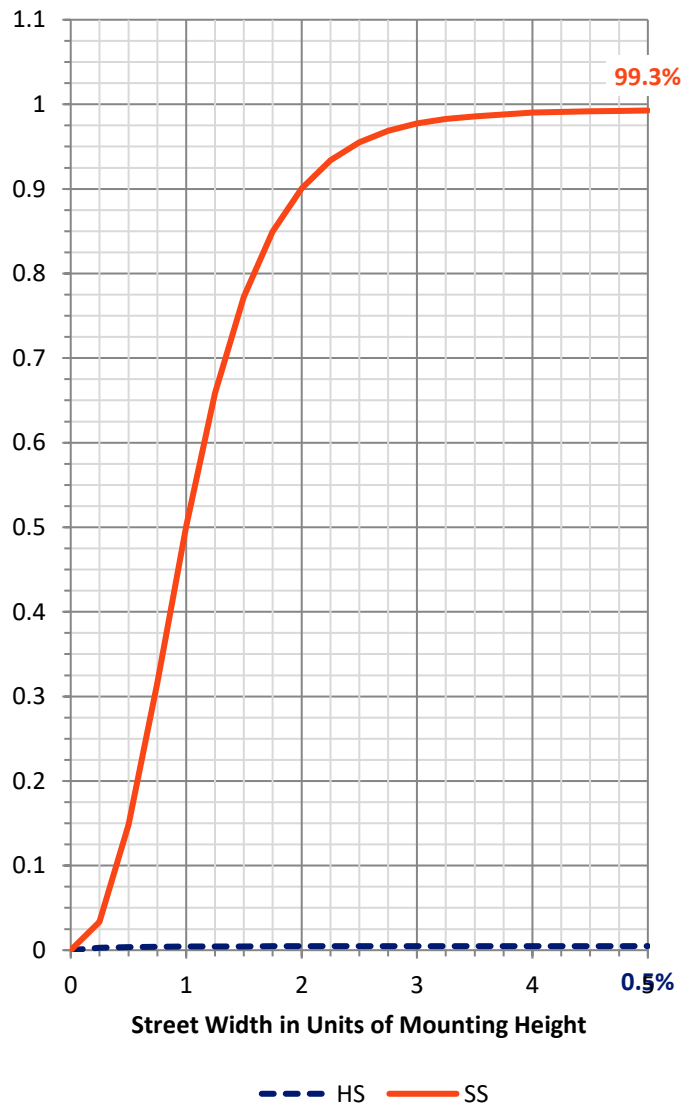
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.5	0.0	107.5
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	21364.0	0.0	21364.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	21471.5	0.0	21471.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.0
10°-20°	47.2	0.2
20°-30°	508.8	2.4
30°-40°	1504.7	7.0
40°-50°	4484.6	20.9
50°-60°	7110.9	33.1
60°-70°	5935.9	27.6
70°-80°	1830.4	8.5
80°-90°	40.7	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°	21471.5	100.0
0°-180°	21471.5	100.0



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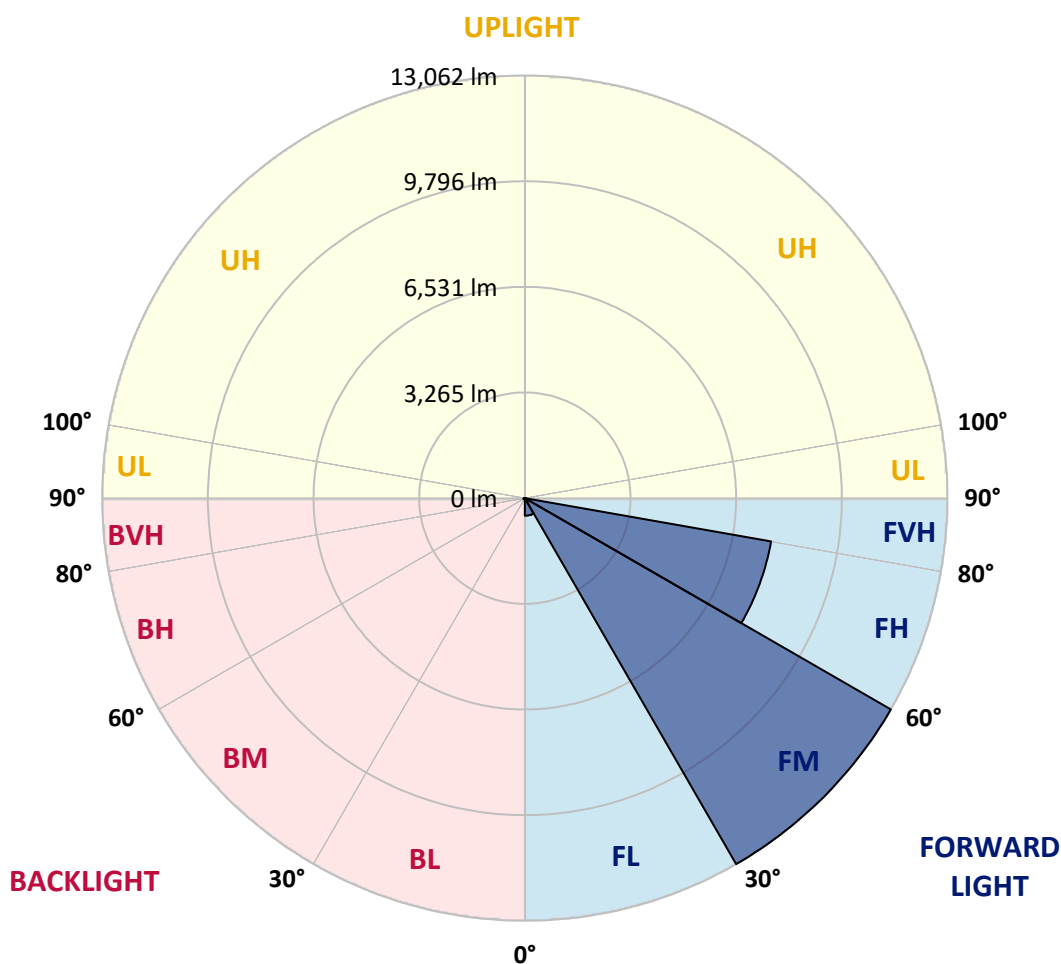
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.7	2.5			
FM	(30°-60°)	13061.7	60.8			
FH	(60°-80°)	7726.1	36.0			G4/12000
FVH	(80°-90°)	31.5	0.1			G1/100
BL	(0°-30°)	19.7	0.1	B0/110		
BM	(30°-60°)	38.4	0.2	B0/220		
BH	(60°-80°)	40.1	0.2	B0/110		G0/110
BVH	(80°-90°)	9.2	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-G4

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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2.5°	86.0	86.0	86.0	86.0	84.4	84.4	82.8	82.8	81.1	81.1
5°	90.9	90.9	89.2	87.6	87.6	86.0	84.4	82.8	82.8	81.1
7.5°	99.0	97.4	95.7	94.1	90.9	89.2	86.0	84.4	82.8	79.5
10°	108.7	105.5	102.2	99.0	95.7	92.5	89.2	87.6	84.4	82.8
12.5°	121.7	116.8	110.3	105.5	102.2	97.4	94.1	90.9	86.0	82.8
15°	133.1	126.6	118.4	112.0	107.1	100.6	95.7	90.9	87.6	82.8
17.5°	149.3	137.9	124.9	116.8	110.3	102.2	94.1	89.2	84.4	77.9
20°	176.9	154.1	129.8	120.1	110.3	100.6	90.9	84.4	79.5	73.0
22.5°	220.7	181.7	142.8	128.2	115.2	100.6	87.6	81.1	74.6	68.1
25°	305.0	235.3	165.5	146.0	126.6	107.1	87.6	79.5	73.0	64.9
27.5°	405.6	301.8	196.3	168.7	142.8	115.2	87.6	77.9	69.8	60.0
30°	507.9	369.9	230.4	194.7	159.0	123.3	87.6	76.3	66.5	55.2
32.5°	605.2	433.2	259.6	217.4	175.2	131.4	89.2	76.3	63.3	50.3
35°	704.2	485.2	264.5	220.7	176.9	131.4	87.6	73.0	60.0	45.4
37.5°	830.8	543.6	254.7	210.9	168.7	124.9	82.8	69.8	56.8	42.2
40°	1022.2	640.9	259.6	214.2	168.7	123.3	77.9	64.9	53.5	40.6
42.5°	1376.0	829.1	280.7	228.8	176.9	123.3	71.4	60.0	50.3	38.9
45°	2378.7	1377.6	376.4	298.6	220.7	142.8	64.9	55.2	47.1	37.3
47.5°	3934.8	2305.7	676.6	522.5	369.9	215.8	63.3	55.2	47.1	37.3
50°	5021.9	2936.9	851.9	655.5	459.2	262.9	66.5	56.8	48.7	38.9
52.5°	5013.8	2982.3	949.2	728.5	509.5	288.8	69.8	60.0	51.9	42.2
55°	4457.2	2713.0	967.1	743.1	520.8	296.9	74.6	64.9	55.2	45.4
57.5°	3725.5	2304.1	882.7	683.1	485.2	285.6	86.0	74.6	64.9	53.5
60°	2946.6	1817.3	688.0	543.6	400.8	256.4	113.6	99.0	86.0	71.4
62.5°	2034.7	1317.5	600.4	481.9	365.1	246.6	129.8	115.2	102.2	87.6
65°	1439.2	991.4	541.9	441.3	342.4	241.8	141.2	124.9	110.3	94.1
67.5°	1075.8	788.6	499.8	413.8	327.8	241.8	155.8	136.3	118.4	99.0
70°	824.3	647.4	468.9	399.2	331.0	261.2	191.5	163.9	137.9	110.3
72.5°	671.8	553.3	433.2	382.9	332.6	282.3	232.0	196.3	160.6	123.3
75°	556.5	473.8	391.0	348.9	308.3	266.1	223.9	191.5	160.6	128.2
77.5°	369.9	337.5	303.4	279.1	254.7	228.8	204.4	176.9	150.9	123.3
80°	129.8	124.9	120.1	129.8	139.5	149.3	159.0	139.5	121.7	102.2
82.5°	19.5	17.8	16.2	17.8	19.5	21.1	22.7	24.3	26.0	27.6
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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	79.5	79.5	77.9	77.9	77.9	76.3	76.3	74.6	74.6	74.6
0.0	5°	77.9	77.9	76.3	74.6	73.0	73.0	71.4	69.8	69.8	68.1
0.0	7.5°	76.3	74.6	73.0	71.4	69.8	68.1	66.5	64.9	64.9	63.3
0.0	10°	77.9	74.6	73.0	69.8	68.1	66.5	63.3	61.7	60.0	60.0
0.0	12.5°	74.6	73.0	69.8	66.5	64.9	61.7	60.0	56.8	55.2	55.2
0.0	15°	74.6	71.4	66.5	63.3	60.0	58.4	55.2	51.9	50.3	48.7
0.0	17.5°	69.8	66.5	61.7	58.4	55.2	51.9	48.7	45.4	43.8	42.2
0.0	20°	63.3	60.0	55.2	50.3	47.1	43.8	40.6	37.3	35.7	34.1
0.0	22.5°	56.8	53.5	48.7	43.8	40.6	37.3	32.5	29.2	27.6	24.3
0.0	25°	53.5	48.7	43.8	38.9	34.1	30.8	26.0	21.1	17.8	14.6
0.0	27.5°	45.4	40.6	35.7	30.8	26.0	21.1	16.2	11.4	8.1	6.5
0.0	30°	38.9	34.1	29.2	24.3	17.8	13.0	8.1	1.6	1.6	1.6
0.0	32.5°	32.5	27.6	21.1	16.2	13.0	8.1	4.9	0.0	0.0	0.0
0.0	35°	26.0	21.1	14.6	9.7	8.1	4.9	3.2	0.0	0.0	0.0
0.0	37.5°	22.7	17.8	11.4	4.9	3.2	3.2	1.6	0.0	0.0	0.0
0.0	40°	21.1	14.6	8.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
0.0	42.5°	21.1	14.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	21.1	14.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	21.1	14.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	22.7	16.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	26.0	19.5	13.0	6.5	4.9	3.2	1.6	0.0	0.0	0.0
0.0	55°	32.5	29.2	24.3	21.1	16.2	11.4	4.9	0.0	0.0	0.0
0.0	57.5°	42.2	42.2	40.6	38.9	29.2	19.5	9.7	0.0	0.0	0.0
0.0	60°	56.8	56.8	56.8	56.8	42.2	29.2	14.6	0.0	0.0	0.0
0.0	62.5°	69.8	66.5	61.7	58.4	43.8	29.2	14.6	0.0	0.0	0.0
0.0	65°	69.8	63.3	55.2	47.1	35.7	24.3	11.4	0.0	0.0	0.0
0.0	67.5°	64.9	51.9	37.3	24.3	17.8	13.0	6.5	0.0	0.0	0.0
	70°	64.9	45.4	26.0	6.5	4.9	3.2	1.6	0.0	0.0	0.0
	72.5°	64.9	43.8	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	71.4	48.7	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	71.4	48.7	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	63.3	42.2	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	21.1	14.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	73.0	73.0	73.0	71.4	71.4	71.4	71.4	69.8	69.8	69.8
0.0	5°	66.5	66.5	64.9	64.9	63.3	63.3	61.7	61.7	60.0	60.0
0.0	7.5°	61.7	60.0	60.0	58.4	56.8	56.8	55.2	55.2	53.5	51.9
0.0	10°	56.8	55.2	55.2	53.5	51.9	50.3	50.3	48.7	47.1	45.4
0.0	12.5°	51.9	50.3	48.7	47.1	45.4	43.8	43.8	42.2	40.6	38.9
0.0	15°	45.4	43.8	42.2	40.6	38.9	37.3	37.3	35.7	34.1	32.5
0.0	17.5°	38.9	37.3	37.3	35.7	34.1	32.5	30.8	27.6	26.0	24.3
0.0	20°	29.2	27.6	26.0	24.3	22.7	19.5	17.8	14.6	11.4	9.7
0.0	22.5°	19.5	16.2	14.6	11.4	8.1	6.5	4.9	1.6	0.0	0.0
0.0	25°	6.5	4.9	3.2	1.6	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-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	68.1	68.1	68.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5
0.0	5°	58.4	58.4	58.4	56.8	56.8	55.2	55.2	55.2	53.5	53.5
0.0	7.5°	50.3	48.7	48.7	47.1	47.1	45.4	45.4	45.4	43.8	43.8
0.0	10°	42.2	40.6	40.6	38.9	38.9	37.3	37.3	35.7	35.7	34.1
0.0	12.5°	37.3	35.7	34.1	32.5	32.5	30.8	29.2	29.2	27.6	26.0
0.0	15°	29.2	27.6	26.0	24.3	22.7	21.1	19.5	19.5	17.8	16.2
0.0	17.5°	19.5	16.2	14.6	13.0	13.0	11.4	9.7	8.1	6.5	4.9
0.0	20°	4.9	3.2	1.6	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



REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	66.5	64.9	64.9	64.9	66.5	66.5	66.5	66.5	66.5	66.5
0.0	5°	53.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
0.0	7.5°	43.8	42.2	42.2	42.2	42.2	40.6	40.6	40.6	40.6	40.6
0.0	10°	34.1	32.5	32.5	32.5	32.5	30.8	30.8	30.8	30.8	30.8
0.0	12.5°	24.3	24.3	22.7	22.7	22.7	21.1	21.1	21.1	21.1	19.5
0.0	15°	14.6	13.0	11.4	11.4	11.4	9.7	9.7	9.7	9.7	8.1
0.0	17.5°	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	68.1	68.1	69.8	69.8	71.4	74.6	76.3	77.9	81.1	84.4
0.0	5°	53.5	55.2	55.2	56.8	58.4	60.0	61.7	63.3	66.5	69.8
0.0	7.5°	42.2	42.2	43.8	43.8	45.4	48.7	50.3	51.9	55.2	60.0
0.0	10°	32.5	32.5	34.1	34.1	35.7	38.9	40.6	42.2	45.4	50.3
0.0	12.5°	21.1	22.7	22.7	24.3	26.0	29.2	30.8	32.5	35.7	38.9
0.0	15°	9.7	11.4	11.4	13.0	14.6	17.8	19.5	21.1	24.3	29.2
0.0	17.5°	1.6	1.6	3.2	3.2	4.9	6.5	8.1	9.7	14.6	17.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9A-940-U-RBC

[illegible]

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	89.2	92.5	95.7	99.0	102.2	105.5	107.1	110.3	112.0	113.6
0.0	5°	76.3	79.5	84.4	87.6	90.9	94.1	97.4	99.0	100.6	102.2
0.0	7.5°	66.5	69.8	74.6	77.9	81.1	84.4	87.6	90.9	92.5	94.1
0.0	10°	56.8	61.7	64.9	69.8	73.0	76.3	79.5	82.8	86.0	87.6
0.0	12.5°	45.4	50.3	55.2	58.4	63.3	68.1	71.4	74.6	77.9	81.1
0.0	15°	35.7	40.6	45.4	48.7	53.5	58.4	63.3	66.5	69.8	73.0
0.0	17.5°	26.0	30.8	35.7	38.9	43.8	48.7	51.9	56.8	60.0	63.3
0.0	20°	13.0	17.8	22.7	27.6	32.5	37.3	40.6	45.4	48.7	51.9
0.0	22.5°	1.6	6.5	11.4	14.6	19.5	24.3	27.6	32.5	35.7	38.9
0.0	25°	0.0	1.6	4.9	6.5	8.1	11.4	14.6	17.8	21.1	24.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.2	6.5	9.7	13.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	1.6
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
	85°	0.0	0.0	0.0	0.0	0.0	3.2	4.9	8.1	9.7	11.4
	87.5°	0.0	1.6	3.2	4.9	6.5	9.7	13.0	16.2	17.8	19.5
	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: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
94.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.9	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											
1.6											
6.5											
14.6											
21.1											
0.0											
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REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	115.2	115.2	115.2	115.2	113.6	113.6	113.6	112.0	112.0	110.3
0.0	5°	105.5	107.1	107.1	107.1	107.1	107.1	107.1	107.1	105.5	105.5
0.0	7.5°	97.4	99.0	100.6	100.6	102.2	102.2	102.2	100.6	100.6	99.0
0.0	10°	92.5	94.1	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
0.0	12.5°	86.0	87.6	89.2	89.2	90.9	90.9	90.9	90.9	89.2	89.2
0.0	15°	77.9	81.1	82.8	84.4	84.4	86.0	86.0	86.0	86.0	86.0
0.0	17.5°	71.4	74.6	76.3	77.9	77.9	79.5	79.5	81.1	81.1	81.1
0.0	20°	58.4	61.7	63.3	66.5	68.1	69.8	71.4	73.0	73.0	74.6
0.0	22.5°	45.4	48.7	50.3	53.5	55.2	56.8	58.4	60.0	61.7	63.3
0.0	25°	32.5	35.7	37.3	40.6	42.2	43.8	45.4	47.1	47.1	48.7
0.0	27.5°	17.8	21.1	24.3	26.0	29.2	30.8	32.5	34.1	35.7	37.3
0.0	30°	8.1	9.7	11.4	14.6	16.2	17.8	19.5	22.7	24.3	26.0
0.0	32.5°	0.0	0.0	1.6	4.9	6.5	8.1	9.7	11.4	11.4	13.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.9	6.5
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°	3.2	3.2	3.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	82.5°	8.1	9.7	11.4	11.4	13.0	13.0	13.0	13.0	11.4	11.4
	85°	16.2	17.8	19.5	19.5	21.1	21.1	21.1	21.1	21.1	21.1
	87.5°	22.7	24.3	26.0	26.0	27.6	27.6	27.6	27.6	27.6	27.6
	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: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
94.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.6	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
4.9											
11.4											
21.1											
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REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	108.7	108.7	107.1	107.1	107.1	107.1	107.1	108.7	110.3	110.3
0.0	5°	103.8	103.8	102.2	102.2	102.2	103.8	103.8	105.5	107.1	108.7
0.0	7.5°	99.0	97.4	97.4	99.0	99.0	100.6	100.6	102.2	103.8	105.5
0.0	10°	95.7	94.1	94.1	94.1	95.7	95.7	97.4	99.0	100.6	102.2
0.0	12.5°	89.2	89.2	89.2	89.2	90.9	90.9	92.5	94.1	97.4	99.0
0.0	15°	86.0	84.4	84.4	84.4	84.4	86.0	86.0	89.2	92.5	94.1
0.0	17.5°	79.5	79.5	77.9	77.9	79.5	79.5	81.1	84.4	87.6	89.2
0.0	20°	73.0	71.4	69.8	69.8	71.4	71.4	73.0	76.3	79.5	81.1
0.0	22.5°	63.3	61.7	61.7	61.7	61.7	63.3	63.3	66.5	71.4	74.6
0.0	25°	50.3	51.9	51.9	53.5	53.5	55.2	56.8	60.0	64.9	68.1
0.0	27.5°	38.9	40.6	40.6	43.8	45.4	47.1	48.7	53.5	58.4	61.7
0.0	30°	29.2	30.8	32.5	34.1	37.3	40.6	43.8	48.7	53.5	56.8
0.0	32.5°	17.8	21.1	22.7	26.0	29.2	32.5	35.7	40.6	47.1	51.9
0.0	35°	13.0	14.6	17.8	19.5	22.7	26.0	29.2	35.7	40.6	47.1
0.0	37.5°	6.5	9.7	13.0	16.2	19.5	22.7	26.0	32.5	38.9	43.8
0.0	40°	4.9	8.1	9.7	13.0	17.8	21.1	24.3	30.8	37.3	43.8
0.0	42.5°	3.2	4.9	6.5	11.4	14.6	19.5	24.3	30.8	37.3	43.8
0.0	45°	3.2	3.2	4.9	9.7	14.6	21.1	26.0	32.5	37.3	43.8
0.0	47.5°	3.2	4.9	6.5	13.0	16.2	21.1	26.0	30.8	37.3	42.2
0.0	50°	4.9	6.5	8.1	14.6	17.8	22.7	26.0	32.5	37.3	43.8
0.0	52.5°	3.2	4.9	6.5	13.0	17.8	24.3	29.2	35.7	42.2	47.1
0.0	55°	1.6	1.6	1.6	9.7	19.5	27.6	37.3	42.2	48.7	53.5
0.0	57.5°	0.0	0.0	0.0	6.5	19.5	30.8	42.2	48.7	55.2	60.0
0.0	60°	0.0	0.0	0.0	6.5	19.5	30.8	42.2	50.3	58.4	66.5
0.0	62.5°	0.0	0.0	0.0	6.5	16.2	26.0	35.7	48.7	63.3	76.3
0.0	65°	0.0	0.0	0.0	4.9	13.0	21.1	29.2	48.7	68.1	86.0
0.0	67.5°	0.0	0.0	0.0	4.9	13.0	19.5	27.6	48.7	68.1	89.2
	70°	0.0	0.0	0.0	4.9	13.0	21.1	29.2	48.7	68.1	87.6
	72.5°	0.0	0.0	0.0	4.9	14.6	22.7	32.5	48.7	64.9	81.1
	75°	0.0	0.0	0.0	6.5	14.6	24.3	34.1	48.7	63.3	76.3
	77.5°	0.0	0.0	0.0	4.9	14.6	22.7	32.5	47.1	61.7	74.6
	80°	4.9	3.2	3.2	8.1	14.6	21.1	27.6	42.2	58.4	73.0
	82.5°	9.7	9.7	8.1	11.4	14.6	19.5	24.3	37.3	51.9	64.9
	85°	19.5	19.5	17.8	19.5	19.5	21.1	22.7	29.2	35.7	42.2
	87.5°	26.0	26.0	24.3	24.3	24.3	22.7	22.7	22.7	22.7	21.1
	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: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
94.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.1											
97.4											
90.9											
89.2											
87.6											
77.9											
48.7											
21.1											
0.0											
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REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	113.6	115.2	115.2	116.8	118.4	120.1	120.1	121.7	121.7	121.7
0.0	5°	112.0	115.2	116.8	118.4	120.1	121.7	123.3	124.9	126.6	126.6
0.0	7.5°	110.3	112.0	115.2	116.8	120.1	121.7	124.9	126.6	128.2	129.8
0.0	10°	107.1	110.3	113.6	116.8	120.1	123.3	126.6	129.8	133.1	134.7
0.0	12.5°	103.8	108.7	112.0	115.2	120.1	124.9	128.2	133.1	136.3	139.5
0.0	15°	102.2	105.5	110.3	113.6	120.1	126.6	131.4	137.9	144.4	149.3
0.0	17.5°	97.4	103.8	108.7	113.6	120.1	128.2	134.7	141.2	150.9	160.6
0.0	20°	90.9	95.7	102.2	107.1	116.8	124.9	134.7	142.8	157.4	172.0
0.0	22.5°	84.4	90.9	95.7	102.2	113.6	123.3	134.7	144.4	168.7	191.5
0.0	25°	77.9	86.0	92.5	99.0	112.0	124.9	137.9	150.9	191.5	232.0
0.0	27.5°	74.6	81.1	89.2	95.7	112.0	129.8	146.0	162.3	227.2	290.4
0.0	30°	69.8	77.9	84.4	92.5	113.6	134.7	155.8	176.9	275.8	374.8
0.0	32.5°	64.9	73.0	81.1	89.2	116.8	144.4	170.4	198.0	327.8	455.9
0.0	35°	60.0	69.8	77.9	86.0	121.7	159.0	194.7	230.4	374.8	517.6
0.0	37.5°	58.4	68.1	76.3	84.4	123.3	160.6	199.6	236.9	379.7	522.5
0.0	40°	60.0	68.1	77.9	86.0	118.4	150.9	181.7	214.2	363.5	511.1
0.0	42.5°	60.0	69.8	79.5	89.2	115.2	141.2	167.1	193.1	358.6	524.1
0.0	45°	58.4	68.1	77.9	87.6	112.0	134.7	159.0	181.7	387.8	592.2
0.0	47.5°	56.8	66.5	76.3	86.0	110.3	134.7	159.0	183.4	501.4	817.8
0.0	50°	56.8	66.5	74.6	82.8	112.0	142.8	172.0	201.2	730.2	1257.5
0.0	52.5°	60.0	68.1	74.6	81.1	115.2	150.9	185.0	219.0	928.1	1635.6
0.0	55°	64.9	69.8	76.3	81.1	123.3	163.9	206.1	246.6	988.2	1729.7
0.0	57.5°	71.4	76.3	81.1	86.0	137.9	189.8	240.1	292.1	993.0	1692.4
0.0	60°	79.5	86.0	90.9	95.7	150.9	207.7	262.9	318.0	898.9	1478.2
0.0	62.5°	97.4	105.5	112.0	120.1	173.6	225.5	279.1	331.0	746.4	1161.8
0.0	65°	112.0	118.4	124.9	131.4	183.4	236.9	288.8	340.7	632.8	924.9
0.0	67.5°	115.2	121.7	126.6	133.1	186.6	240.1	292.1	345.6	541.9	736.7
	70°	116.8	124.9	134.7	142.8	198.0	253.1	306.7	361.8	480.3	598.7
	72.5°	112.0	128.2	142.8	157.4	209.3	259.6	311.5	361.8	446.2	530.6
	75°	112.0	134.7	155.8	176.9	215.8	253.1	292.1	329.4	394.3	459.2
	77.5°	118.4	147.7	176.9	206.1	228.8	249.9	272.6	293.7	335.9	378.1
	80°	118.4	149.3	178.5	209.3	219.0	230.4	240.1	249.9	254.7	259.6
	82.5°	102.2	126.6	150.9	175.2	163.9	152.5	141.2	129.8	121.7	112.0
	85°	51.9	56.8	60.0	63.3	58.4	53.5	48.7	43.8	40.6	35.7
	87.5°	21.1	21.1	19.5	19.5	19.5	19.5	17.8	17.8	17.8	17.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
94.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
345.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
480.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
812.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
923.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1006.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1088.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1251.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1575.5	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2401.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3678.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4630.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4736.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4273.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3654.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2855.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2158.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1593.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1127.7											
838.9											
610.1											
459.2											
258.0											
116.8											
34.1											
16.2											
0.0											
0.0											
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REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	121.7	120.1	120.1	118.4	116.8	115.2	113.6	112.0	110.3	108.7
0.0	5°	126.6	126.6	126.6	124.9	124.9	123.3	123.3	121.7	120.1	118.4
0.0	7.5°	131.4	133.1	133.1	134.7	134.7	134.7	134.7	133.1	133.1	133.1
0.0	10°	139.5	141.2	142.8	144.4	146.0	147.7	147.7	149.3	149.3	149.3
0.0	12.5°	149.3	154.1	157.4	162.3	165.5	170.4	173.6	178.5	181.7	185.0
0.0	15°	163.9	172.0	181.7	189.8	198.0	209.3	222.3	233.7	245.0	262.9
0.0	17.5°	185.0	210.9	236.9	261.2	287.2	344.0	400.8	455.9	512.7	595.5
0.0	20°	225.5	303.4	379.7	457.6	533.8	733.4	931.4	1130.9	1328.9	1541.5
0.0	22.5°	316.4	507.9	699.3	890.8	1082.3	1499.3	1914.7	2331.7	2747.0	3235.4
0.0	25°	459.2	811.3	1163.4	1513.9	1866.0	2518.3	3172.2	3824.4	4476.7	5111.1
0.0	27.5°	668.5	1207.2	1745.9	2283.0	2821.7	3706.0	4591.9	5476.2	6360.5	7077.7
0.0	30°	926.5	1656.7	2386.8	3117.0	3847.1	4853.2	5859.2	6863.5	7869.5	8653.2
0.0	32.5°	1169.9	2063.9	2958.0	3850.4	4744.4	5890.0	7037.2	8182.7	9328.2	10185.0
0.0	35°	1328.9	2409.5	3491.8	4572.4	5653.1	6892.7	8132.4	9370.4	10610.1	11588.5
0.0	37.5°	1487.9	2735.7	3981.8	5229.6	6475.7	7837.1	9198.4	10559.8	11921.1	13130.0
0.0	40°	1666.4	3130.0	4591.9	6055.5	7517.4	9130.3	10741.5	12354.4	13965.6	15670.9
0.0	42.5°	1976.3	3783.9	5593.1	7400.6	9208.2	11341.9	13475.6	15607.6	17741.3	20175.2
0.0	45°	2558.8	5106.3	7655.4	10202.8	12750.3	15576.8	18405.0	21231.5	24058.1	27296.7
0.0	47.5°	3985.1	7489.9	10993.0	14497.8	18001.0	21053.0	24103.5	27155.6	30206.0	33431.7
0.0	50°	6097.7	10176.9	14256.0	18333.6	22412.8	25174.4	27934.4	30696.1	33456.1	36524.4
0.0	52.5°	7626.1	11875.7	16126.9	20376.4	24626.0	27118.3	29612.2	32104.5	34596.8	37463.9
0.0	55°	7741.4	11966.6	16193.4	20418.6	24643.8	27147.5	29651.1	32154.8	34658.4	37697.5
0.0	57.5°	6853.8	11044.9	15234.5	19425.6	23615.1	26466.0	29315.2	32166.1	35015.4	38301.1
0.0	60°	5829.9	10022.7	14213.8	18406.6	22597.7	25881.9	29167.6	32451.7	35735.8	38813.9
0.0	62.5°	4548.1	8860.9	13175.4	17488.2	21801.1	25135.5	28469.9	31802.7	35137.1	37446.0
0.0	65°	3389.6	7577.5	11765.4	15951.6	20139.5	22810.3	25481.1	28150.2	30821.0	32250.5
0.0	67.5°	2450.1	6062.0	9672.2	13284.1	16894.4	18805.8	20717.2	22626.9	24538.4	25632.0
	70°	1656.7	4158.7	6659.1	9161.1	11661.5	13232.2	14804.5	16375.1	17945.8	19422.3
	72.5°	1147.2	2552.3	3959.1	5364.3	6769.4	8349.8	9928.6	11509.0	13087.8	14650.3
	75°	761.0	1400.3	2041.2	2680.5	3319.8	4489.7	5661.2	6831.1	8001.0	8932.3
	77.5°	540.3	731.8	924.9	1116.3	1307.8	1526.9	1747.5	1966.6	2185.6	2518.3
	80°	256.4	280.7	305.0	327.8	352.1	431.6	511.1	590.6	670.1	754.5
	82.5°	121.7	131.4	141.2	149.3	159.0	167.1	175.2	183.4	191.5	183.4
	85°	32.5	32.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	32.5
	87.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.0	13.0	11.4
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
94.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
282.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
676.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1755.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3723.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5745.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7794.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9438.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11043.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12566.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14340.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17376.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22609.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30535.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36657.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39592.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40331.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40738.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41586.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41890.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39756.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33681.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26727.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20897.3											
16212.9											
9863.7											
2850.9											
838.9											
173.6											
30.8											
11.4											
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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	2.5°	105.5	103.8	102.2	100.6	99.0	95.7	95.7	94.1	94.1
0.0	5°	115.2	113.6	112.0	110.3	110.3	108.7	107.1	107.1	105.5
0.0	7.5°	131.4	129.8	128.2	126.6	126.6	124.9	124.9	123.3	123.3
0.0	10°	150.9	150.9	150.9	150.9	150.9	149.3	149.3	149.3	147.7
0.0	12.5°	189.8	191.5	194.7	198.0	202.8	202.8	202.8	201.2	201.2
0.0	15°	300.2	318.0	331.0	344.0	355.3	381.3	378.1	373.2	369.9
0.0	17.5°	759.4	840.5	884.3	926.5	970.3	1090.4	1070.9	1051.4	1033.6
0.0	20°	1968.2	2180.8	2321.9	2463.1	2605.9	2831.4	2776.2	2721.1	2665.9
0.0	22.5°	4210.6	4699.0	4911.6	5124.1	5335.1	5607.7	5430.8	5253.9	5078.7
0.0	25°	6378.4	7012.8	7371.4	7730.0	8087.0	8242.7	8012.3	7780.3	7549.9
0.0	27.5°	8512.1	9229.3	9545.7	9860.4	10176.9	10503.0	10217.4	9930.2	9644.6
0.0	30°	10222.3	11006.0	11348.4	11689.1	12031.5	12258.6	11963.3	11666.4	11371.1
0.0	32.5°	11900.0	12756.8	13131.6	13506.4	13879.6	14205.7	13842.3	13477.2	13113.7
0.0	35°	13543.7	14522.1	15038.1	15554.1	16070.1	16373.5	15941.9	15508.7	15077.1
0.0	37.5°	15549.2	16758.1	17335.7	17913.3	18491.0	19044.3	18568.9	18091.8	17616.4
0.0	40°	19081.6	20786.9	21672.9	22560.4	23446.4	24160.3	23559.9	22959.6	22359.2
0.0	42.5°	25043.0	27476.9	28750.6	30022.7	31296.4	32411.1	31780.0	31148.8	30517.6
0.0	45°	33774.1	37012.8	38565.6	40116.8	41669.6	42484.1	41575.5	40665.2	39756.6
0.0	47.5°	39881.5	43107.2	44489.7	45872.1	47254.5	48184.3	47072.8	45961.3	44851.5
0.0	50°	42659.4	45727.7	47115.0	48500.7	49888.0	50626.3	49342.8	48057.7	46774.3
0.0	52.5°	43196.5	46063.6	47718.6	49375.3	51030.3	52016.8	50501.3	48984.2	47468.7
0.0	55°	43777.3	46816.4	48736.0	50657.1	52576.6	53942.8	52229.4	50514.3	48800.9
0.0	57.5°	44871.0	48156.7	50071.4	51984.4	53899.0	55059.2	53340.9	51620.9	49902.6
0.0	60°	44968.3	48044.7	49690.0	51337.0	52982.3	53712.4	52068.8	50423.5	48779.8
0.0	62.5°	42065.5	44374.5	45516.8	46659.1	47801.4	48594.8	46879.7	45163.0	43448.0
0.0	65°	35111.1	36540.6	37450.9	38361.2	39271.4	40217.4	38646.7	37076.1	35505.4
0.0	67.5°	27820.8	28914.5	30113.6	31312.6	32511.7	33522.6	32265.1	31006.0	29748.5
	70°	22373.8	23848.8	25197.1	26545.5	27893.9	28721.4	27459.0	26195.0	24932.6
	72.5°	17775.4	19338.0	20464.0	21588.5	22714.6	22917.4	21989.3	21061.2	20134.7
	75°	10793.4	11724.8	11747.5	11768.6	11791.3	11984.4	11215.3	10446.2	9678.7
	77.5°	3183.5	3516.1	3790.4	4063.0	4337.2	4668.2	4385.8	4101.9	3819.6
	80°	921.6	1006.0	1077.4	1147.2	1218.6	1176.4	1109.8	1043.3	976.8
	82.5°	165.5	155.8	154.1	152.5	152.5	144.4	131.4	118.4	105.5
	85°	29.2	27.6	26.0	24.3	22.7	21.1	17.8	16.2	13.0
	87.5°	9.7	8.1	6.5	4.9	4.9	1.6	1.6	1.6	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.0	0.0	2.5°	92.5	90.9	90.9	90.9	90.9	89.2	89.2	89.2	89.2
0.0	0.0	5°	102.2	102.2	100.6	100.6	99.0	99.0	97.4	97.4	95.7
0.0	0.0	7.5°	120.1	118.4	116.8	115.2	113.6	110.3	108.7	107.1	107.1
0.0	0.0	10°	144.4	141.2	139.5	136.3	134.7	131.4	128.2	124.9	121.7
0.0	0.0	12.5°	189.8	183.4	178.5	172.0	165.5	160.6	154.1	149.3	142.8
0.0	0.0	15°	329.4	313.2	295.3	274.2	251.5	230.4	207.7	194.7	180.1
0.0	0.0	17.5°	842.1	757.7	671.8	602.0	532.2	464.1	394.3	344.0	293.7
0.0	0.0	20°	2143.4	1909.8	1676.1	1445.7	1213.7	983.3	751.3	634.4	517.6
0.0	0.0	22.5°	4033.7	3600.5	3165.7	2745.4	2323.5	1903.3	1483.0	1218.6	955.7
0.0	0.0	25°	6225.9	5680.7	5135.5	4444.3	3751.4	3060.2	2369.0	1939.0	1509.0
0.0	0.0	27.5°	8101.6	7473.6	6845.7	6005.2	5164.7	4324.2	3483.7	2842.8	2203.5
0.0	0.0	30°	9725.8	9050.8	8375.8	7397.4	6418.9	5440.5	4462.1	3660.6	2859.0
0.0	0.0	32.5°	11134.2	10326.1	9518.1	8508.8	7499.6	6490.3	5481.1	4497.8	3514.5
0.0	0.0	35°	12758.4	11815.7	10871.3	9751.7	8630.5	7510.9	6391.4	5281.5	4170.0
0.0	0.0	37.5°	14822.3	13665.4	12506.9	11259.1	10011.3	8765.2	7517.4	6248.6	4979.7
0.0	0.0	40°	18773.3	17280.5	15787.8	14202.5	12615.6	11030.3	9445.1	7887.4	6329.7
0.0	0.0	42.5°	25852.6	23835.8	21818.9	19709.5	17598.6	15489.2	13378.2	11181.2	8982.6
0.0	0.0	45°	33842.3	31340.2	28836.6	26469.2	24100.3	21732.9	19365.6	16350.8	13336.0
0.0	0.0	47.5°	38335.2	35633.6	32932.0	30691.2	28450.4	26209.6	23968.8	20718.8	17468.8
0.0	0.0	50°	39988.6	37238.3	34488.0	32425.7	30361.8	28299.5	26235.6	22980.7	19724.1
0.0	0.0	52.5°	40340.7	37535.3	34729.8	32654.5	30579.2	28505.6	26430.3	23196.5	19962.7
0.0	0.0	55°	41064.4	38054.5	35043.0	32677.2	30311.5	27945.8	25580.1	22294.3	19008.6
0.0	0.0	57.5°	42010.4	38924.2	35838.0	33142.9	30447.8	27754.3	25059.2	21466.8	17874.4
0.0	0.0	60°	41762.1	39076.7	36389.7	33503.1	30614.9	27728.4	24840.2	20889.2	16936.5
0.0	0.0	62.5°	37452.5	35313.9	33173.8	30799.9	28424.4	26050.6	23676.8	19608.9	15541.1
0.0	0.0	65°	30811.3	29250.3	27689.4	25779.6	23868.2	21958.4	20048.7	16401.1	12755.1
0.0	0.0	67.5°	24971.6	23212.7	21452.2	19930.2	18406.6	16884.6	15361.0	12490.7	9620.3
		70°	19839.3	17926.3	16011.7	14525.4	13037.5	11551.2	10064.9	8156.7	6250.2
		72.5°	15755.3	14030.5	12305.7	10720.4	9133.5	7548.3	5961.4	4833.7	3706.0
		75°	7530.4	6840.8	6151.2	5322.1	4492.9	3663.8	2834.7	2343.0	1853.0
		77.5°	2790.8	2419.3	2046.1	1708.6	1371.1	1035.2	697.7	639.3	580.9
		80°	722.1	629.6	535.5	468.9	400.8	334.3	267.7	241.8	217.4
		82.5°	82.8	76.3	71.4	68.1	63.3	60.0	55.2	50.3	45.4
		85°	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049421

CATALOG NUMBER: GALN-SA9A-940-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	94.1	94.1
0.0	0.0	2.5°	87.6	86.0
0.0	0.0	5°	92.5	90.9
0.0	0.0	7.5°	102.2	99.0
0.0	0.0	10°	112.0	108.7
0.0	0.0	12.5°	126.6	121.7
0.0	0.0	15°	142.8	133.1
0.0	0.0	17.5°	170.4	149.3
0.0	0.0	20°	230.4	176.9
0.0	0.0	22.5°	324.5	220.7
0.0	0.0	25°	477.0	305.0
0.0	0.0	27.5°	663.6	405.6
0.0	0.0	30°	882.7	507.9
0.0	0.0	32.5°	1075.8	605.2
0.0	0.0	35°	1327.3	704.2
0.0	0.0	37.5°	1637.2	830.8
0.0	0.0	40°	2117.5	1022.2
0.0	0.0	42.5°	2982.3	1376.0
0.0	0.0	45°	4843.4	2378.7
0.0	0.0	47.5°	7452.5	3934.8
0.0	0.0	50°	9117.3	5021.9
0.0	0.0	52.5°	9253.6	5013.8
0.0	0.0	55°	8447.2	4457.2
0.0	0.0	57.5°	7207.5	3725.5
0.0	0.0	60°	5990.6	2946.6
0.0	0.0	62.5°	4720.1	2034.7
0.0	0.0	65°	3449.6	1439.2
0.0	0.0	67.5°	2477.7	1075.8
		70°	1629.1	824.3
		72.5°	1061.2	671.8
		75°	713.9	556.5
		77.5°	417.0	369.9
		80°	147.7	129.8
		82.5°	27.6	19.5
		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: P1049421

CATALOG NUMBER: GALN-SA9A-940-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: SP1-2407-184-16

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-940-U-5WQ

Data in this report applies to families of products including GSS-SB1A-940-U-5WQ

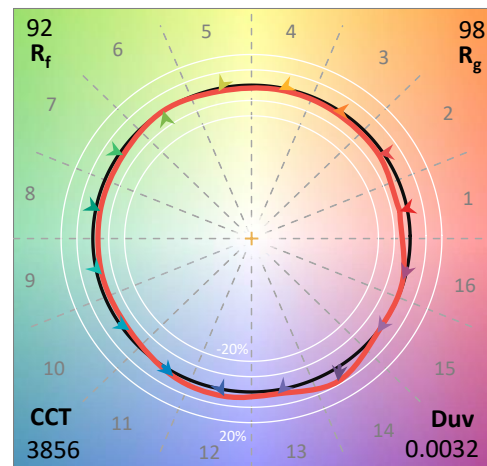
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-16
 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-940-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3856
 CIE u' : 0.2261
 CIE v' : 0.5084
 Duv: 0.0032
 CIE x: 0.3896
 CIE y: 0.3894
 CIE z: 0.2211
 Peak Wavelength (nm): 614
 Dominant Wavelength (nm): 578
 Purity: 33.77304
 R_f: 91.8
 R_g: 98.4

CRI (Ra): 92.1
 R1: 91.8
 R2: 94.1
 R3: 95.3
 R4: 92.8
 R5: 91.0
 R6: 91.6
 R7: 95.0
 R8: 85.2
 R9: 60.7
 R10: 85.2
 R11: 92.4
 R12: 74.5
 R13: 92.3
 R14: 97.0
 R15: 88.5



Test Conditions

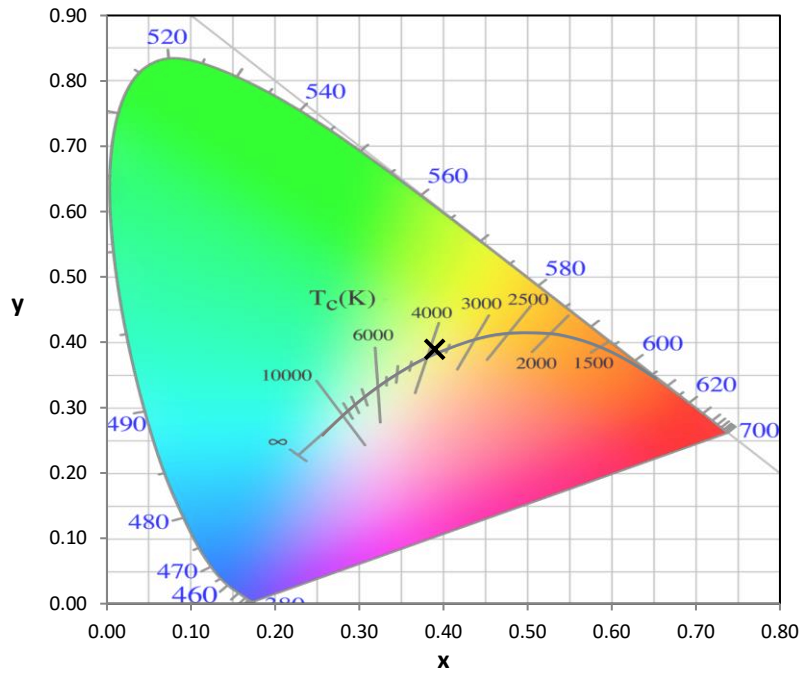
Stabilization Time: 23M
 Operation Time: 1H 23M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-16

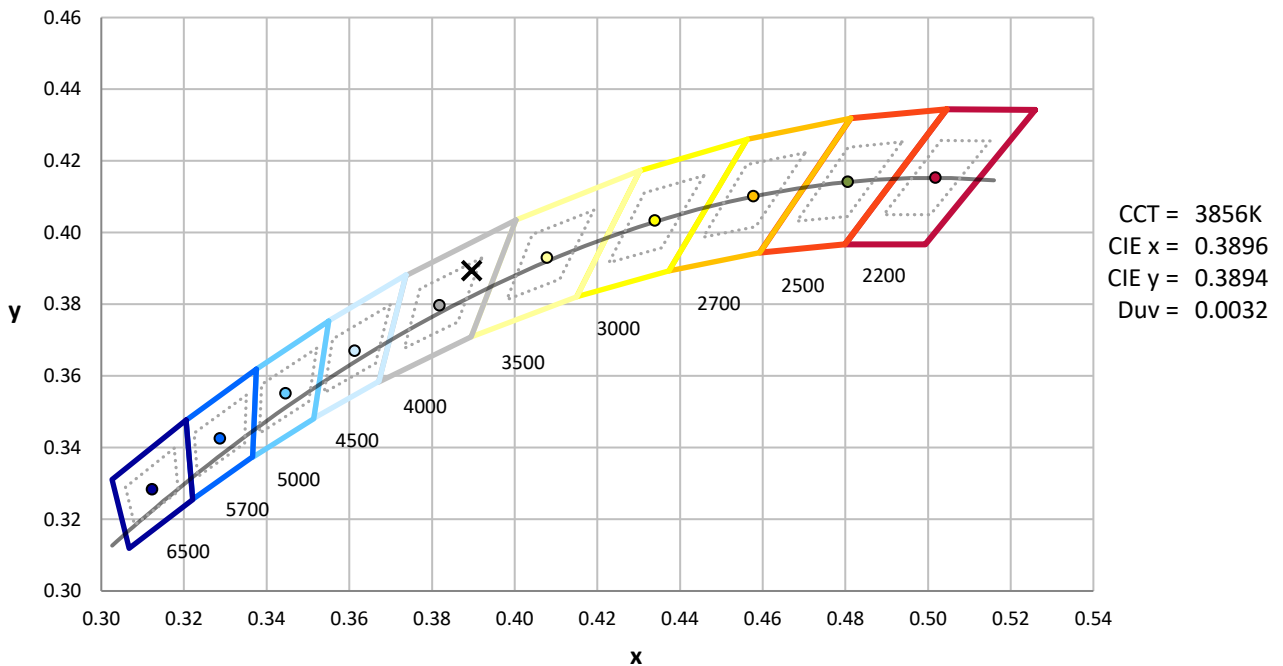
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-16

CIE 1931 Chromaticity Diagram



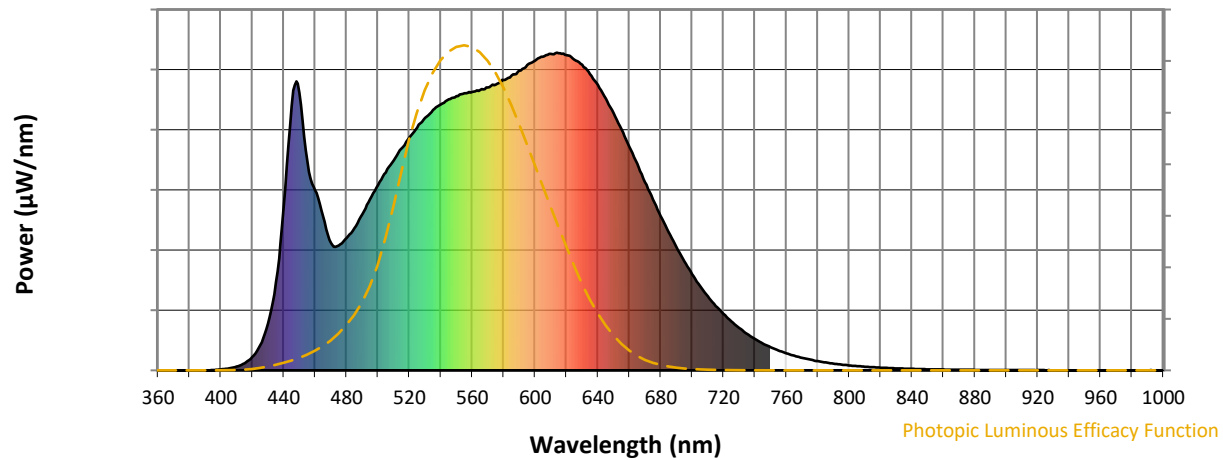
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-16

Photopic Flux vs. Wavelength

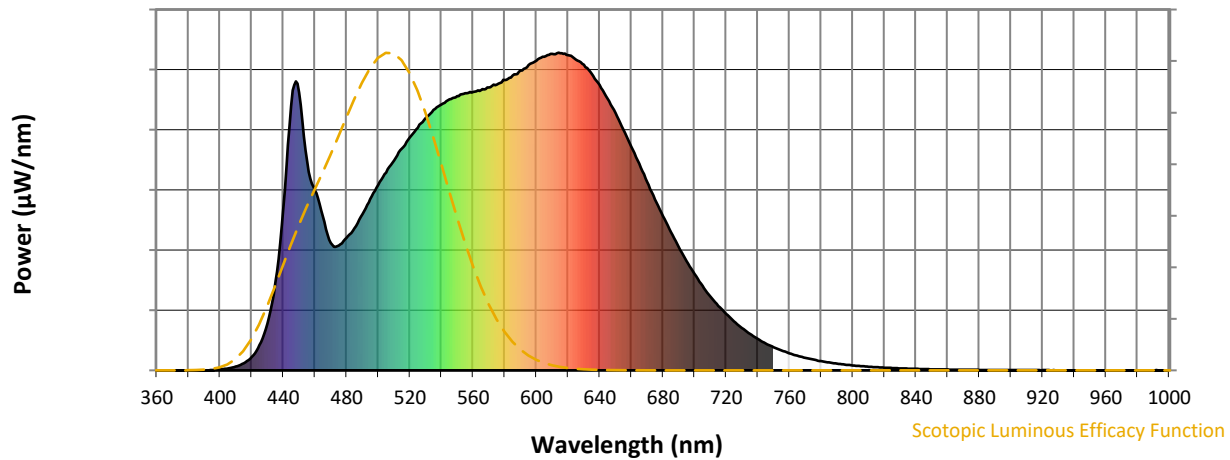


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-16

Scotopic Flux vs. Wavelength



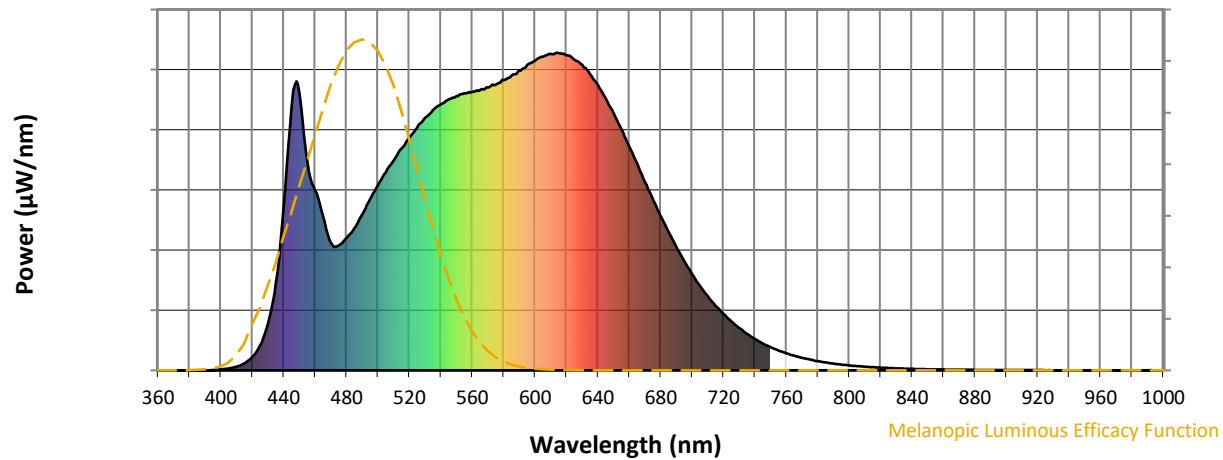
Scotopic Lumens: NR

S/P: 1.72

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.52

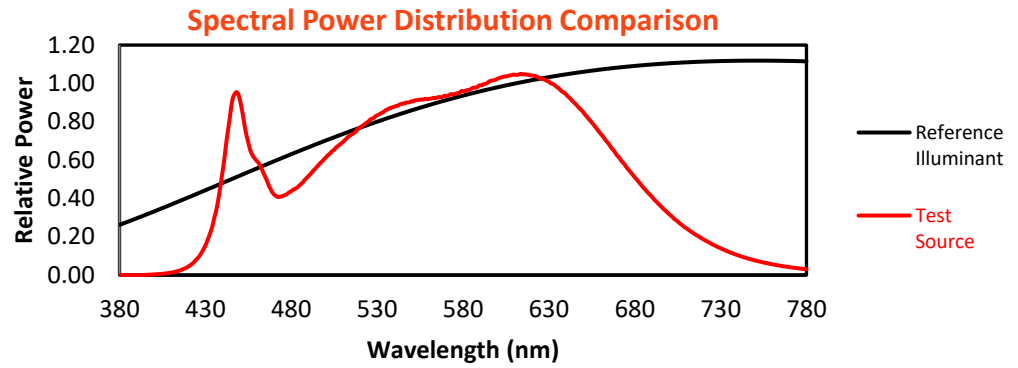
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-16

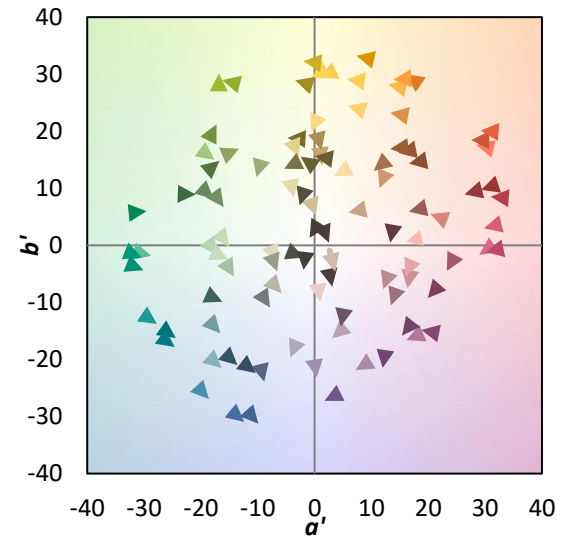
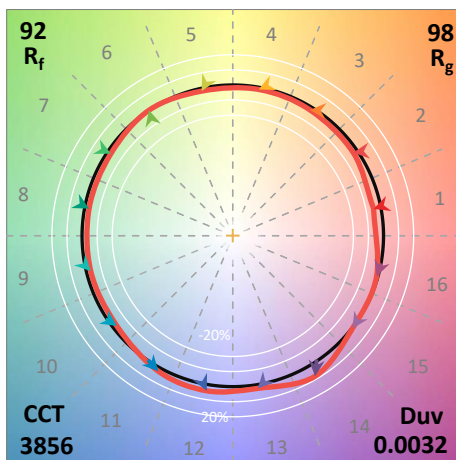
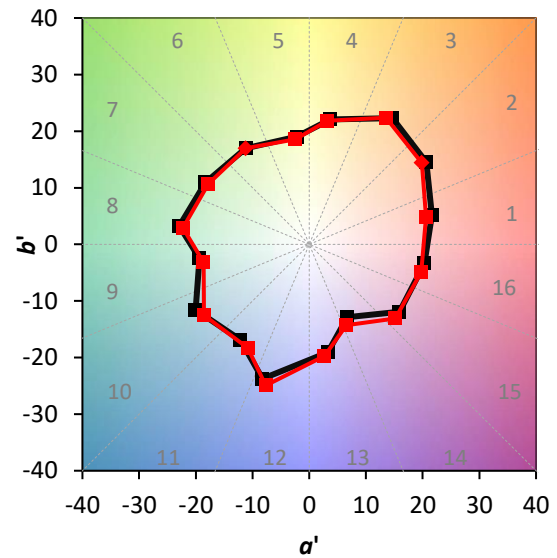
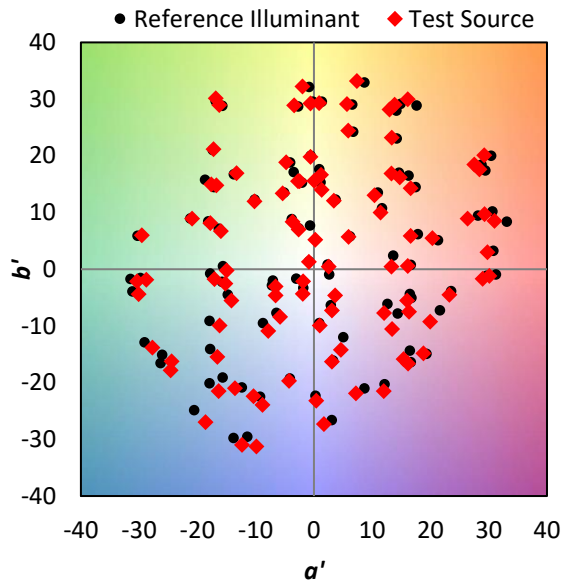
TM-30-18

Summary

$R_f = 91.8$
 $R_g = 98.4$
 $CIE R_a = 92.1$
 $R_9 = 60.7$

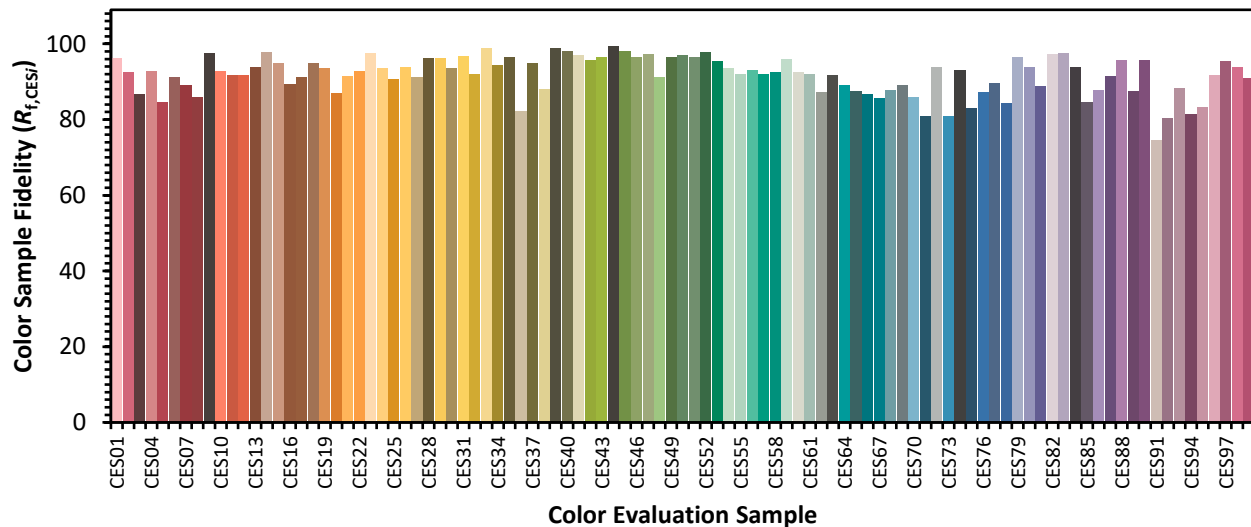


Color Vector Graphics

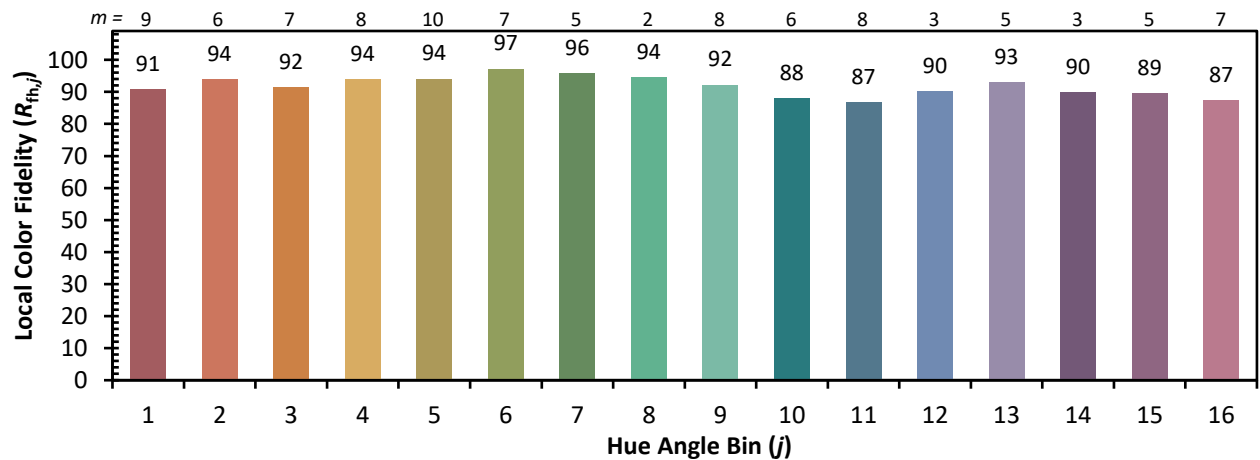
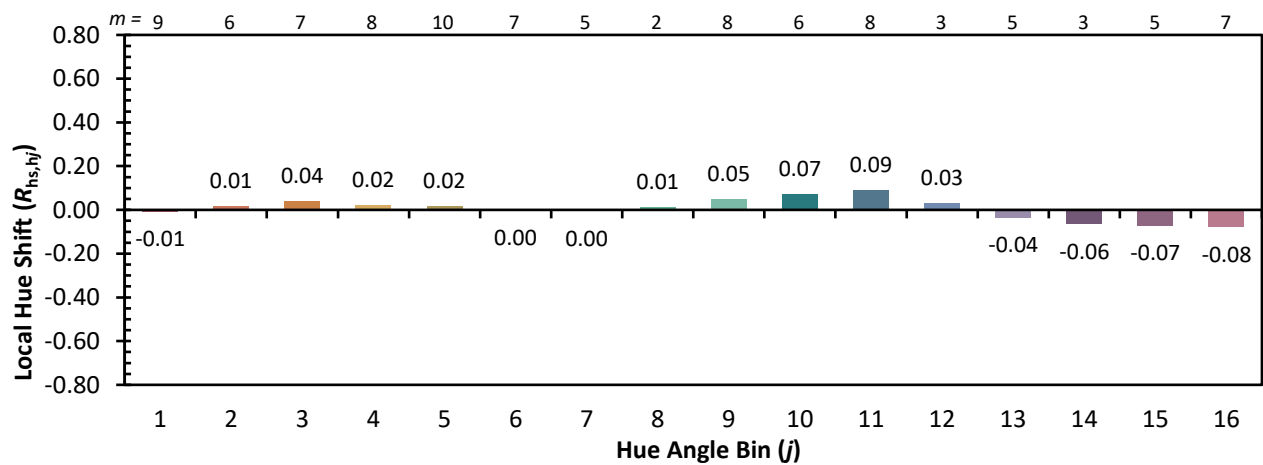
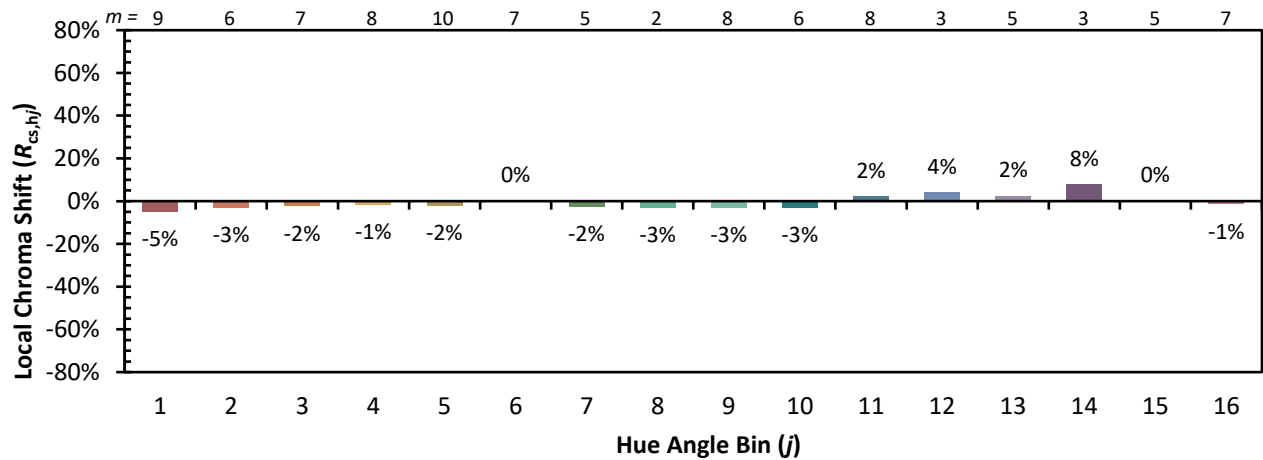


Individual Sample Fidelity Index ($R_{f,i}$)

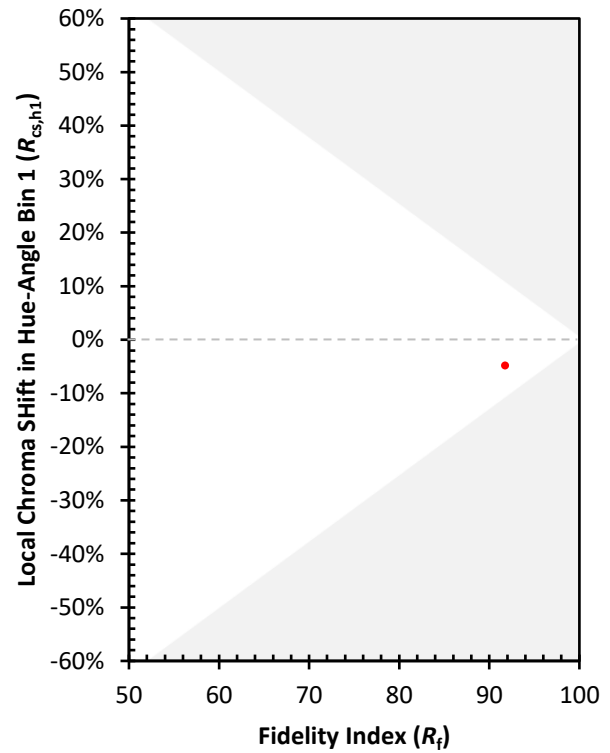
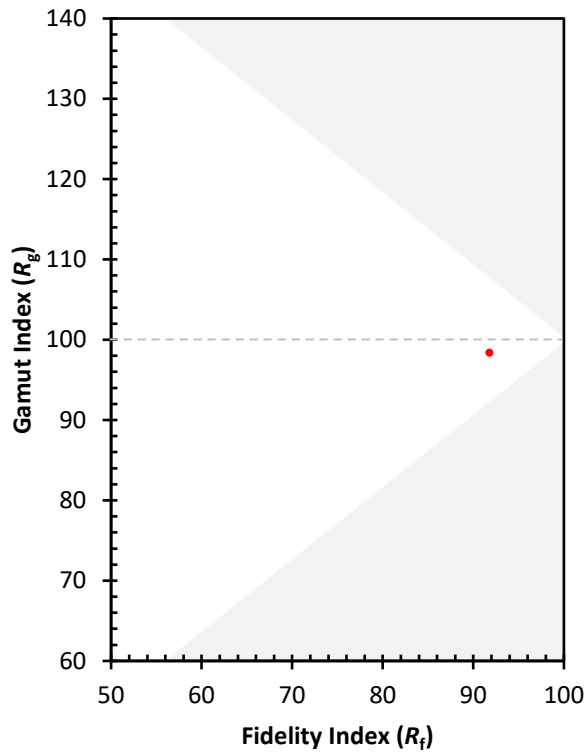
CES01 = 86	CES26 = 94	CES51 = 96	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 98	CES77 = 90
CES03 = 31	CES28 = 96	CES53 = 95	CES78 = 84
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 96
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 94
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 89
CES07 = 42	CES32 = 92	CES57 = 92	CES82 = 97
CES08 = 41	CES33 = 99	CES58 = 92	CES83 = 98
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 74	CES35 = 96	CES60 = 93	CES85 = 85
CES11 = 57	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 63	CES37 = 95	CES62 = 87	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 88	CES90 = 96
CES16 = 47	CES41 = 97	CES66 = 87	CES91 = 74
CES17 = 49	CES42 = 96	CES67 = 86	CES92 = 80
CES18 = 56	CES43 = 96	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 82
CES20 = 66	CES45 = 98	CES70 = 86	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 81	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 91	CES73 = 81	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 93	CES99 = 91
CES25 = 71	CES50 = 97	CES75 = 83	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)