

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: P1049314

Luminaire Tested: **GALN-SA9B-927-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049314
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-927-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
90CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (126) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22591.9 lumens
Efficiency: N/A
Efficacy: 72.2 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

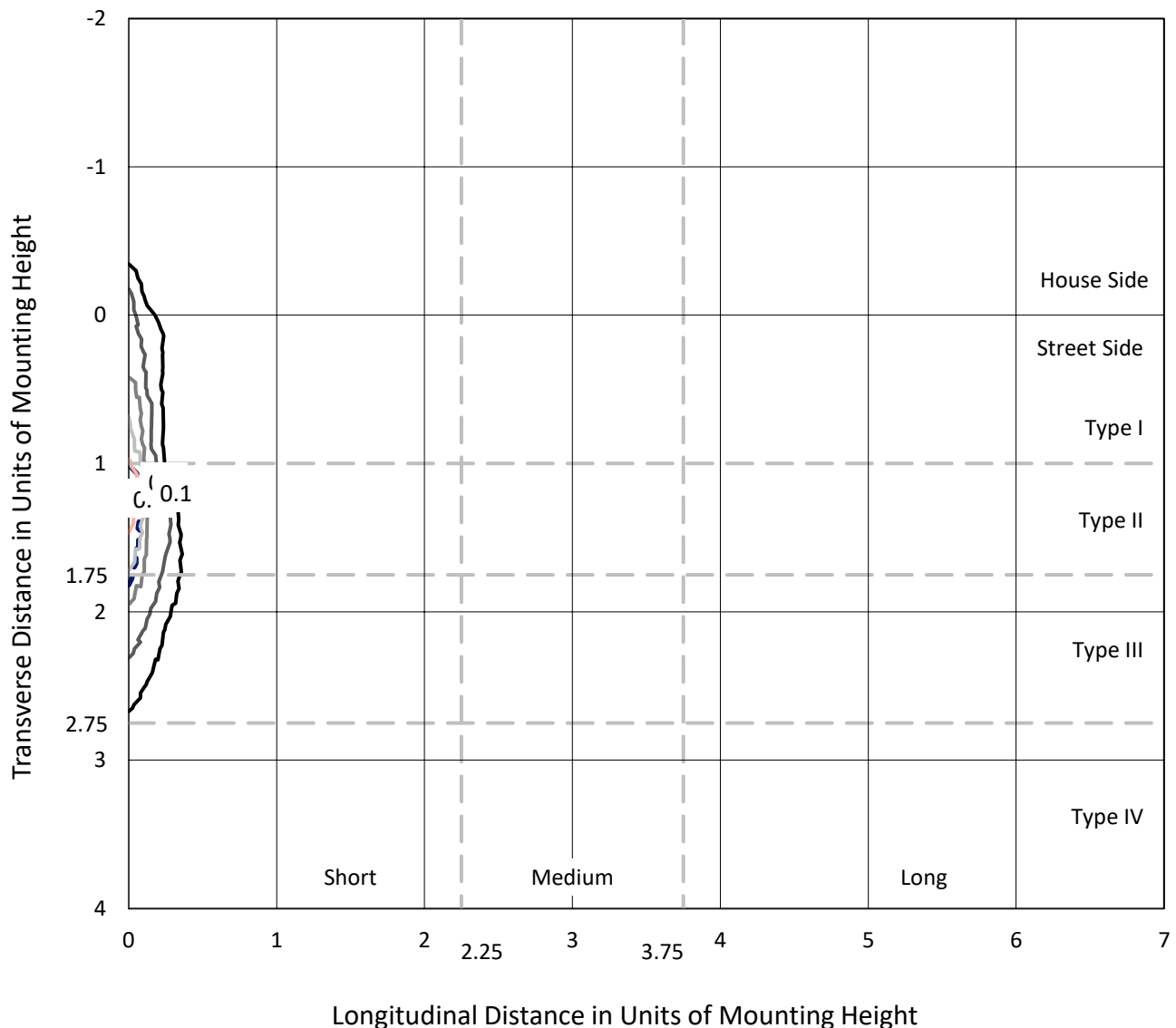
Input Watts (W): 312.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

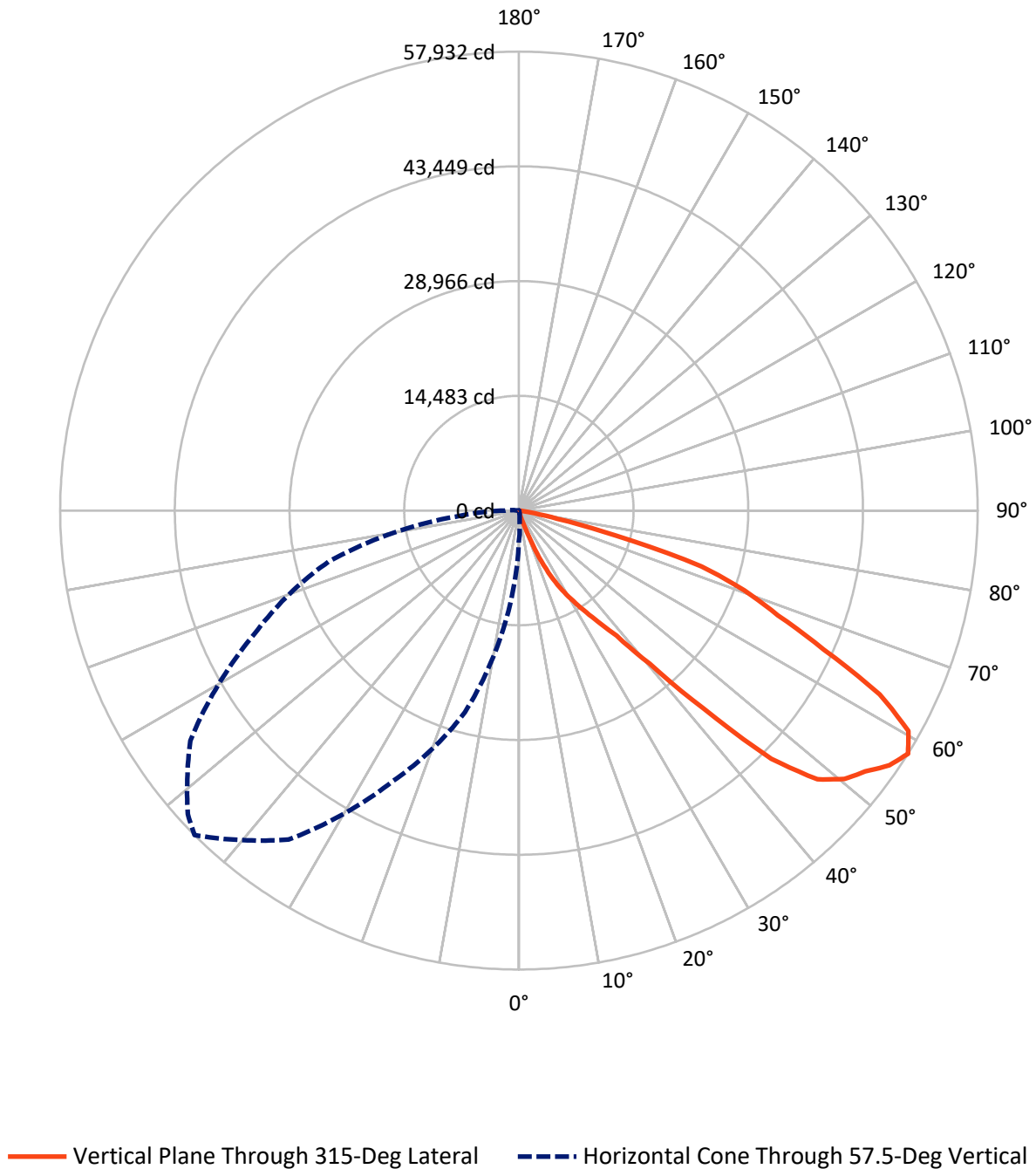
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 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	113.1	0.0	113.1
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	22478.8	0.0	22478.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	22591.9	0.0	22591.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.0
10°-20°	49.6	0.2
20°-30°	535.4	2.4
30°-40°	1583.3	7.0
40°-50°	4718.6	20.9
50°-60°	7481.9	33.1
60°-70°	6245.6	27.6
70°-80°	1925.9	8.5
80°-90°	42.8	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°	22591.9	100.0
0°-180°	22591.9	100.0



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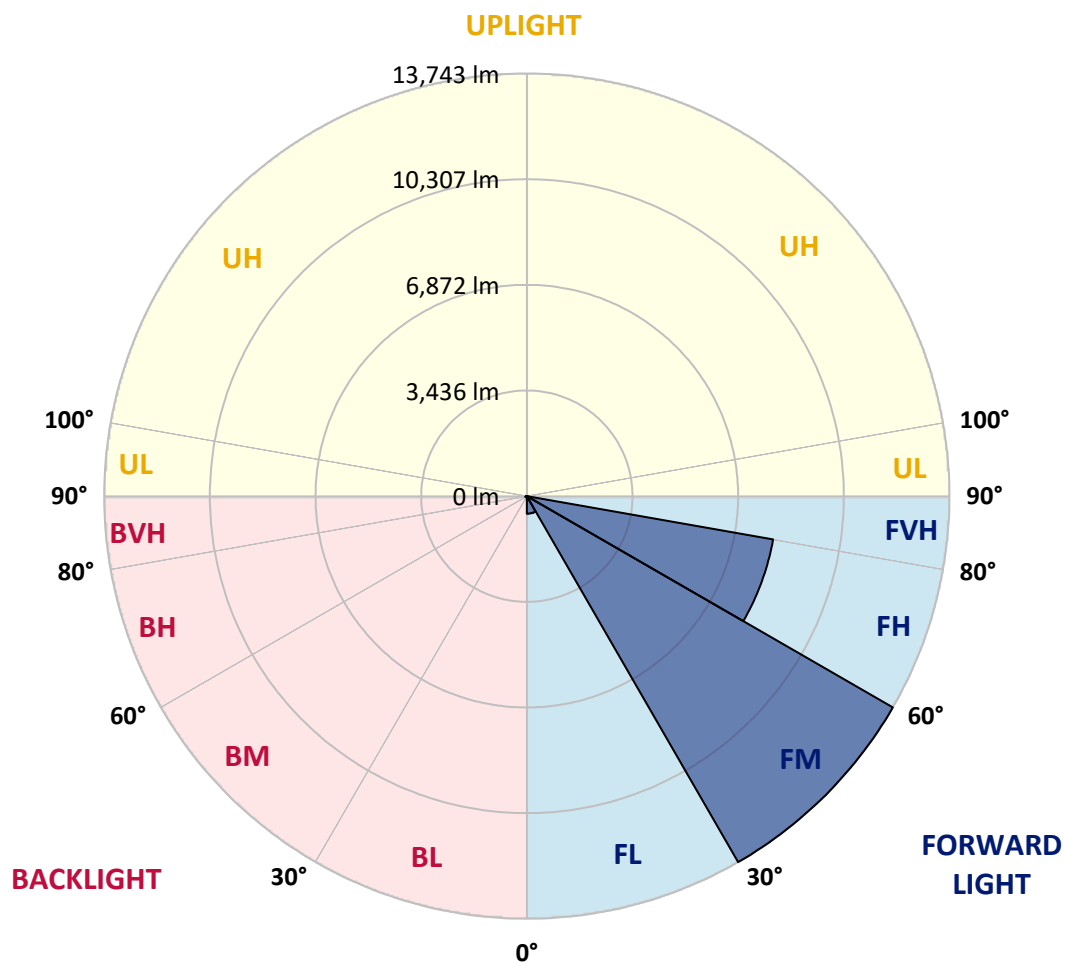
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.1	2.5			
FM	(30°-60°)	13743.3	60.8			
FH	(60°-80°)	8129.3	36.0			G4/12000
FVH	(80°-90°)	33.1	0.1			G1/100
BL	(0°-30°)	20.8	0.1	B0/110		
BM	(30°-60°)	40.4	0.2	B0/220		
BH	(60°-80°)	42.2	0.2	B0/110		G0/110
BVH	(80°-90°)	9.7	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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	90.5	90.5	90.5	90.5	88.8	88.8	87.1	87.1	85.4	85.4
5°	95.6	95.6	93.9	92.2	92.2	90.5	88.8	87.1	87.1	85.4
7.5°	104.1	102.4	100.7	99.0	95.6	93.9	90.5	88.8	87.1	83.7
10°	114.4	111.0	107.6	104.1	100.7	97.3	93.9	92.2	88.8	87.1
12.5°	128.0	122.9	116.1	111.0	107.6	102.4	99.0	95.6	90.5	87.1
15°	140.0	133.2	124.6	117.8	112.7	105.8	100.7	95.6	92.2	87.1
17.5°	157.1	145.1	131.5	122.9	116.1	107.6	99.0	93.9	88.8	81.9
20°	186.1	162.2	136.6	126.3	116.1	105.8	95.6	88.8	83.7	76.8
22.5°	232.2	191.2	150.2	134.9	121.2	105.8	92.2	85.4	78.5	71.7
25°	321.0	247.6	174.1	153.7	133.2	112.7	92.2	83.7	76.8	68.3
27.5°	426.8	317.5	206.6	177.6	150.2	121.2	92.2	81.9	73.4	63.2
30°	534.4	389.3	242.4	204.9	167.3	129.8	92.2	80.2	70.0	58.0
32.5°	636.8	455.8	273.2	228.8	184.4	138.3	93.9	80.2	66.6	52.9
35°	740.9	510.5	278.3	232.2	186.1	138.3	92.2	76.8	63.2	47.8
37.5°	874.1	571.9	268.0	221.9	177.6	131.5	87.1	73.4	59.8	44.4
40°	1075.6	674.4	273.2	225.4	177.6	129.8	81.9	68.3	56.3	42.7
42.5°	1447.8	872.4	295.4	240.7	186.1	129.8	75.1	63.2	52.9	41.0
45°	2502.8	1449.5	396.1	314.1	232.2	150.2	68.3	58.0	49.5	39.3
47.5°	4140.1	2426.0	711.9	549.7	389.3	227.1	66.6	58.0	49.5	39.3
50°	5283.9	3090.1	896.3	689.7	483.2	276.6	70.0	59.8	51.2	41.0
52.5°	5275.4	3137.9	998.7	766.6	536.1	303.9	73.4	63.2	54.6	44.4
55°	4689.8	2854.5	1017.5	781.9	548.0	312.4	78.5	68.3	58.0	47.8
57.5°	3919.9	2424.3	928.7	718.8	510.5	300.5	90.5	78.5	68.3	56.3
60°	3100.4	1912.1	723.9	571.9	421.7	269.7	119.5	104.1	90.5	75.1
62.5°	2140.9	1386.3	631.7	507.1	384.1	259.5	136.6	121.2	107.6	92.2
65°	1514.3	1043.1	570.2	464.4	360.2	254.4	148.5	131.5	116.1	99.0
67.5°	1131.9	829.7	525.8	435.3	344.9	254.4	163.9	143.4	124.6	104.1
70°	867.3	681.2	493.4	420.0	348.3	274.9	201.5	172.4	145.1	116.1
72.5°	706.8	582.2	455.8	402.9	350.0	297.1	244.1	206.6	169.0	129.8
75°	585.6	498.5	411.4	367.1	324.4	280.0	235.6	201.5	169.0	134.9
77.5°	389.3	355.1	319.3	293.6	268.0	240.7	215.1	186.1	158.8	129.8
80°	136.6	131.5	126.3	136.6	146.8	157.1	167.3	146.8	128.0	107.6
82.5°	20.5	18.8	17.1	18.8	20.5	22.2	23.9	25.6	27.3	29.0
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):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	83.7	83.7	81.9	81.9	81.9	80.2	80.2	78.5	78.5	78.5
0.0	5°	81.9	81.9	80.2	78.5	76.8	76.8	75.1	73.4	73.4	71.7
0.0	7.5°	80.2	78.5	76.8	75.1	73.4	71.7	70.0	68.3	68.3	66.6
0.0	10°	81.9	78.5	76.8	73.4	71.7	70.0	66.6	64.9	63.2	63.2
0.0	12.5°	78.5	76.8	73.4	70.0	68.3	64.9	63.2	59.8	58.0	58.0
0.0	15°	78.5	75.1	70.0	66.6	63.2	61.5	58.0	54.6	52.9	51.2
0.0	17.5°	73.4	70.0	64.9	61.5	58.0	54.6	51.2	47.8	46.1	44.4
0.0	20°	66.6	63.2	58.0	52.9	49.5	46.1	42.7	39.3	37.6	35.9
0.0	22.5°	59.8	56.3	51.2	46.1	42.7	39.3	34.1	30.7	29.0	25.6
0.0	25°	56.3	51.2	46.1	41.0	35.9	32.4	27.3	22.2	18.8	15.4
0.0	27.5°	47.8	42.7	37.6	32.4	27.3	22.2	17.1	12.0	8.5	6.8
0.0	30°	41.0	35.9	30.7	25.6	18.8	13.7	8.5	1.7	1.7	1.7
0.0	32.5°	34.1	29.0	22.2	17.1	13.7	8.5	5.1	0.0	0.0	0.0
0.0	35°	27.3	22.2	15.4	10.2	8.5	5.1	3.4	0.0	0.0	0.0
0.0	37.5°	23.9	18.8	12.0	5.1	3.4	3.4	1.7	0.0	0.0	0.0
0.0	40°	22.2	15.4	8.5	1.7	1.7	1.7	0.0	0.0	0.0	0.0
0.0	42.5°	22.2	15.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	22.2	15.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	22.2	15.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	23.9	17.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	27.3	20.5	13.7	6.8	5.1	3.4	1.7	0.0	0.0	0.0
0.0	55°	34.1	30.7	25.6	22.2	17.1	12.0	5.1	0.0	0.0	0.0
0.0	57.5°	44.4	44.4	42.7	41.0	30.7	20.5	10.2	0.0	0.0	0.0
0.0	60°	59.8	59.8	59.8	59.8	44.4	30.7	15.4	0.0	0.0	0.0
0.0	62.5°	73.4	70.0	64.9	61.5	46.1	30.7	15.4	0.0	0.0	0.0
0.0	65°	73.4	66.6	58.0	49.5	37.6	25.6	12.0	0.0	0.0	0.0
0.0	67.5°	68.3	54.6	39.3	25.6	18.8	13.7	6.8	0.0	0.0	0.0
	70°	68.3	47.8	27.3	6.8	5.1	3.4	1.7	0.0	0.0	0.0
	72.5°	68.3	46.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	75.1	51.2	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	75.1	51.2	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	66.6	44.4	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	22.2	15.4	6.8	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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	76.8	76.8	76.8	75.1	75.1	75.1	75.1	73.4	73.4	73.4
0.0	5°	70.0	70.0	68.3	68.3	66.6	66.6	64.9	64.9	63.2	63.2
0.0	7.5°	64.9	63.2	63.2	61.5	59.8	59.8	58.0	58.0	56.3	54.6
0.0	10°	59.8	58.0	58.0	56.3	54.6	52.9	52.9	51.2	49.5	47.8
0.0	12.5°	54.6	52.9	51.2	49.5	47.8	46.1	46.1	44.4	42.7	41.0
0.0	15°	47.8	46.1	44.4	42.7	41.0	39.3	39.3	37.6	35.9	34.1
0.0	17.5°	41.0	39.3	39.3	37.6	35.9	34.1	32.4	29.0	27.3	25.6
0.0	20°	30.7	29.0	27.3	25.6	23.9	20.5	18.8	15.4	12.0	10.2
0.0	22.5°	20.5	17.1	15.4	12.0	8.5	6.8	5.1	1.7	0.0	0.0
0.0	25°	6.8	5.1	3.4	1.7	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	71.7	71.7	71.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
0.0	5°	61.5	61.5	61.5	59.8	59.8	58.0	58.0	58.0	56.3	56.3
0.0	7.5°	52.9	51.2	51.2	49.5	49.5	47.8	47.8	47.8	46.1	46.1
0.0	10°	44.4	42.7	42.7	41.0	41.0	39.3	39.3	37.6	37.6	35.9
0.0	12.5°	39.3	37.6	35.9	34.1	34.1	32.4	30.7	30.7	29.0	27.3
0.0	15°	30.7	29.0	27.3	25.6	23.9	22.2	20.5	20.5	18.8	17.1
0.0	17.5°	20.5	17.1	15.4	13.7	13.7	12.0	10.2	8.5	6.8	5.1
0.0	20°	5.1	3.4	1.7	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	70.0	68.3	68.3	68.3	70.0	70.0	70.0	70.0	70.0	70.0
0.0	5°	56.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
0.0	7.5°	46.1	44.4	44.4	44.4	44.4	42.7	42.7	42.7	42.7	42.7
0.0	10°	35.9	34.1	34.1	34.1	34.1	32.4	32.4	32.4	32.4	32.4
0.0	12.5°	25.6	25.6	23.9	23.9	23.9	22.2	22.2	22.2	22.2	20.5
0.0	15°	15.4	13.7	12.0	12.0	12.0	10.2	10.2	10.2	10.2	8.5
0.0	17.5°	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	71.7	71.7	73.4	73.4	75.1	78.5	80.2	81.9	85.4	88.8
0.0	5°	56.3	58.0	58.0	59.8	61.5	63.2	64.9	66.6	70.0	73.4
0.0	7.5°	44.4	44.4	46.1	46.1	47.8	51.2	52.9	54.6	58.0	63.2
0.0	10°	34.1	34.1	35.9	35.9	37.6	41.0	42.7	44.4	47.8	52.9
0.0	12.5°	22.2	23.9	23.9	25.6	27.3	30.7	32.4	34.1	37.6	41.0
0.0	15°	10.2	12.0	12.0	13.7	15.4	18.8	20.5	22.2	25.6	30.7
0.0	17.5°	1.7	1.7	3.4	3.4	5.1	6.8	8.5	10.2	15.4	18.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	6.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	93.9	97.3	100.7	104.1	107.6	111.0	112.7	116.1	117.8	119.5
0.0	5°	80.2	83.7	88.8	92.2	95.6	99.0	102.4	104.1	105.8	107.6
0.0	7.5°	70.0	73.4	78.5	81.9	85.4	88.8	92.2	95.6	97.3	99.0
0.0	10°	59.8	64.9	68.3	73.4	76.8	80.2	83.7	87.1	90.5	92.2
0.0	12.5°	47.8	52.9	58.0	61.5	66.6	71.7	75.1	78.5	81.9	85.4
0.0	15°	37.6	42.7	47.8	51.2	56.3	61.5	66.6	70.0	73.4	76.8
0.0	17.5°	27.3	32.4	37.6	41.0	46.1	51.2	54.6	59.8	63.2	66.6
0.0	20°	13.7	18.8	23.9	29.0	34.1	39.3	42.7	47.8	51.2	54.6
0.0	22.5°	1.7	6.8	12.0	15.4	20.5	25.6	29.0	34.1	37.6	41.0
0.0	25°	0.0	1.7	5.1	6.8	8.5	12.0	15.4	18.8	22.2	25.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.4	6.8	10.2	13.7
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	1.7
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.4
	85°	0.0	0.0	0.0	0.0	0.0	3.4	5.1	8.5	10.2	12.0
	87.5°	0.0	1.7	3.4	5.1	6.8	10.2	13.7	17.1	18.8	20.5
	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
99.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.7											
6.8											
15.4											
22.2											
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REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	121.2	121.2	121.2	121.2	119.5	119.5	119.5	117.8	117.8	116.1
0.0	5°	111.0	112.7	112.7	112.7	112.7	112.7	112.7	112.7	111.0	111.0
0.0	7.5°	102.4	104.1	105.8	105.8	107.6	107.6	107.6	105.8	105.8	104.1
0.0	10°	97.3	99.0	99.0	100.7	100.7	100.7	100.7	100.7	100.7	100.7
0.0	12.5°	90.5	92.2	93.9	93.9	95.6	95.6	95.6	95.6	93.9	93.9
0.0	15°	81.9	85.4	87.1	88.8	88.8	90.5	90.5	90.5	90.5	90.5
0.0	17.5°	75.1	78.5	80.2	81.9	81.9	83.7	83.7	85.4	85.4	85.4
0.0	20°	61.5	64.9	66.6	70.0	71.7	73.4	75.1	76.8	76.8	78.5
0.0	22.5°	47.8	51.2	52.9	56.3	58.0	59.8	61.5	63.2	64.9	66.6
0.0	25°	34.1	37.6	39.3	42.7	44.4	46.1	47.8	49.5	49.5	51.2
0.0	27.5°	18.8	22.2	25.6	27.3	30.7	32.4	34.1	35.9	37.6	39.3
0.0	30°	8.5	10.2	12.0	15.4	17.1	18.8	20.5	23.9	25.6	27.3
0.0	32.5°	0.0	0.0	1.7	5.1	6.8	8.5	10.2	12.0	12.0	13.7
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	6.8
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°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
	82.5°	8.5	10.2	12.0	12.0	13.7	13.7	13.7	13.7	12.0	12.0
	85°	17.1	18.8	20.5	20.5	22.2	22.2	22.2	22.2	22.2	22.2
	87.5°	23.9	25.6	27.3	27.3	29.0	29.0	29.0	29.0	29.0	29.0
	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
99.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	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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5.1											
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REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	114.4	114.4	112.7	112.7	112.7	112.7	112.7	114.4	116.1	116.1
0.0	5°	109.3	109.3	107.6	107.6	107.6	109.3	109.3	111.0	112.7	114.4
0.0	7.5°	104.1	102.4	102.4	104.1	104.1	105.8	105.8	107.6	109.3	111.0
0.0	10°	100.7	99.0	99.0	99.0	100.7	100.7	102.4	104.1	105.8	107.6
0.0	12.5°	93.9	93.9	93.9	93.9	95.6	95.6	97.3	99.0	102.4	104.1
0.0	15°	90.5	88.8	88.8	88.8	88.8	90.5	90.5	93.9	97.3	99.0
0.0	17.5°	83.7	83.7	81.9	81.9	83.7	83.7	85.4	88.8	92.2	93.9
0.0	20°	76.8	75.1	73.4	73.4	75.1	75.1	76.8	80.2	83.7	85.4
0.0	22.5°	66.6	64.9	64.9	64.9	64.9	66.6	66.6	70.0	75.1	78.5
0.0	25°	52.9	54.6	54.6	56.3	56.3	58.0	59.8	63.2	68.3	71.7
0.0	27.5°	41.0	42.7	42.7	46.1	47.8	49.5	51.2	56.3	61.5	64.9
0.0	30°	30.7	32.4	34.1	35.9	39.3	42.7	46.1	51.2	56.3	59.8
0.0	32.5°	18.8	22.2	23.9	27.3	30.7	34.1	37.6	42.7	49.5	54.6
0.0	35°	13.7	15.4	18.8	20.5	23.9	27.3	30.7	37.6	42.7	49.5
0.0	37.5°	6.8	10.2	13.7	17.1	20.5	23.9	27.3	34.1	41.0	46.1
0.0	40°	5.1	8.5	10.2	13.7	18.8	22.2	25.6	32.4	39.3	46.1
0.0	42.5°	3.4	5.1	6.8	12.0	15.4	20.5	25.6	32.4	39.3	46.1
0.0	45°	3.4	3.4	5.1	10.2	15.4	22.2	27.3	34.1	39.3	46.1
0.0	47.5°	3.4	5.1	6.8	13.7	17.1	22.2	27.3	32.4	39.3	44.4
0.0	50°	5.1	6.8	8.5	15.4	18.8	23.9	27.3	34.1	39.3	46.1
0.0	52.5°	3.4	5.1	6.8	13.7	18.8	25.6	30.7	37.6	44.4	49.5
0.0	55°	1.7	1.7	1.7	10.2	20.5	29.0	39.3	44.4	51.2	56.3
0.0	57.5°	0.0	0.0	0.0	6.8	20.5	32.4	44.4	51.2	58.0	63.2
0.0	60°	0.0	0.0	0.0	6.8	20.5	32.4	44.4	52.9	61.5	70.0
0.0	62.5°	0.0	0.0	0.0	6.8	17.1	27.3	37.6	51.2	66.6	80.2
0.0	65°	0.0	0.0	0.0	5.1	13.7	22.2	30.7	51.2	71.7	90.5
0.0	67.5°	0.0	0.0	0.0	5.1	13.7	20.5	29.0	51.2	71.7	93.9
	70°	0.0	0.0	0.0	5.1	13.7	22.2	30.7	51.2	71.7	92.2
	72.5°	0.0	0.0	0.0	5.1	15.4	23.9	34.1	51.2	68.3	85.4
	75°	0.0	0.0	0.0	6.8	15.4	25.6	35.9	51.2	66.6	80.2
	77.5°	0.0	0.0	0.0	5.1	15.4	23.9	34.1	49.5	64.9	78.5
	80°	5.1	3.4	3.4	8.5	15.4	22.2	29.0	44.4	61.5	76.8
	82.5°	10.2	10.2	8.5	12.0	15.4	20.5	25.6	39.3	54.6	68.3
	85°	20.5	20.5	18.8	20.5	20.5	22.2	23.9	30.7	37.6	44.4
	87.5°	27.3	27.3	25.6	25.6	25.6	23.9	23.9	23.9	23.9	22.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
99.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.7											
102.4											
95.6											
93.9											
92.2											
81.9											
51.2											
22.2											
0.0											
0.0											
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REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	119.5	121.2	121.2	122.9	124.6	126.3	126.3	128.0	128.0	128.0
0.0	5°	117.8	121.2	122.9	124.6	126.3	128.0	129.8	131.5	133.2	133.2
0.0	7.5°	116.1	117.8	121.2	122.9	126.3	128.0	131.5	133.2	134.9	136.6
0.0	10°	112.7	116.1	119.5	122.9	126.3	129.8	133.2	136.6	140.0	141.7
0.0	12.5°	109.3	114.4	117.8	121.2	126.3	131.5	134.9	140.0	143.4	146.8
0.0	15°	107.6	111.0	116.1	119.5	126.3	133.2	138.3	145.1	151.9	157.1
0.0	17.5°	102.4	109.3	114.4	119.5	126.3	134.9	141.7	148.5	158.8	169.0
0.0	20°	95.6	100.7	107.6	112.7	122.9	131.5	141.7	150.2	165.6	181.0
0.0	22.5°	88.8	95.6	100.7	107.6	119.5	129.8	141.7	151.9	177.6	201.5
0.0	25°	81.9	90.5	97.3	104.1	117.8	131.5	145.1	158.8	201.5	244.1
0.0	27.5°	78.5	85.4	93.9	100.7	117.8	136.6	153.7	170.7	239.0	305.6
0.0	30°	73.4	81.9	88.8	97.3	119.5	141.7	163.9	186.1	290.2	394.4
0.0	32.5°	68.3	76.8	85.4	93.9	122.9	151.9	179.3	208.3	344.9	479.7
0.0	35°	63.2	73.4	81.9	90.5	128.0	167.3	204.9	242.4	394.4	544.6
0.0	37.5°	61.5	71.7	80.2	88.8	129.8	169.0	210.0	249.3	399.5	549.7
0.0	40°	63.2	71.7	81.9	90.5	124.6	158.8	191.2	225.4	382.4	537.8
0.0	42.5°	63.2	73.4	83.7	93.9	121.2	148.5	175.8	203.2	377.3	551.4
0.0	45°	61.5	71.7	81.9	92.2	117.8	141.7	167.3	191.2	408.0	623.1
0.0	47.5°	59.8	70.0	80.2	90.5	116.1	141.7	167.3	192.9	527.5	860.5
0.0	50°	59.8	70.0	78.5	87.1	117.8	150.2	181.0	211.7	768.3	1323.1
0.0	52.5°	63.2	71.7	78.5	85.4	121.2	158.8	194.6	230.5	976.5	1720.9
0.0	55°	68.3	73.4	80.2	85.4	129.8	172.4	216.8	259.5	1039.7	1819.9
0.0	57.5°	75.1	80.2	85.4	90.5	145.1	199.7	252.7	307.3	1044.8	1780.7
0.0	60°	83.7	90.5	95.6	100.7	158.8	218.5	276.6	334.6	945.8	1555.3
0.0	62.5°	102.4	111.0	117.8	126.3	182.7	237.3	293.6	348.3	785.3	1222.4
0.0	65°	117.8	124.6	131.5	138.3	192.9	249.3	303.9	358.5	665.8	973.1
0.0	67.5°	121.2	128.0	133.2	140.0	196.3	252.7	307.3	363.6	570.2	775.1
	70°	122.9	131.5	141.7	150.2	208.3	266.3	322.7	380.7	505.3	630.0
	72.5°	117.8	134.9	150.2	165.6	220.2	273.2	327.8	380.7	469.5	558.3
	75°	117.8	141.7	163.9	186.1	227.1	266.3	307.3	346.6	414.9	483.2
	77.5°	124.6	155.4	186.1	216.8	240.7	262.9	286.8	309.0	353.4	397.8
	80°	124.6	157.1	187.8	220.2	230.5	242.4	252.7	262.9	268.0	273.2
	82.5°	107.6	133.2	158.8	184.4	172.4	160.5	148.5	136.6	128.0	117.8
	85°	54.6	59.8	63.2	66.6	61.5	56.3	51.2	46.1	42.7	37.6
	87.5°	22.2	22.2	20.5	20.5	20.5	20.5	18.8	18.8	18.8	18.8
	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
99.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
268.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
505.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
684.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
855.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
971.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1058.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1145.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1316.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1657.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2526.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3870.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4872.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4983.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4496.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3844.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3004.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2270.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1676.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1186.5											
882.6											
641.9											
483.2											
271.5											
122.9											
35.9											
17.1											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	128.0	126.3	126.3	124.6	122.9	121.2	119.5	117.8	116.1	114.4
0.0	5°	133.2	133.2	133.2	131.5	131.5	129.8	129.8	128.0	126.3	124.6
0.0	7.5°	138.3	140.0	140.0	141.7	141.7	141.7	141.7	140.0	140.0	140.0
0.0	10°	146.8	148.5	150.2	151.9	153.7	155.4	155.4	157.1	157.1	157.1
0.0	12.5°	157.1	162.2	165.6	170.7	174.1	179.3	182.7	187.8	191.2	194.6
0.0	15°	172.4	181.0	191.2	199.7	208.3	220.2	233.9	245.8	257.8	276.6
0.0	17.5°	194.6	221.9	249.3	274.9	302.2	361.9	421.7	479.7	539.5	626.6
0.0	20°	237.3	319.3	399.5	481.4	561.7	771.7	980.0	1190.0	1398.2	1621.9
0.0	22.5°	332.9	534.4	735.8	937.3	1138.7	1577.5	2014.6	2453.3	2890.4	3404.3
0.0	25°	483.2	853.6	1224.1	1592.9	1963.3	2649.7	3337.7	4024.0	4710.3	5377.8
0.0	27.5°	703.4	1270.2	1837.0	2402.1	2968.9	3899.4	4831.5	5762.0	6692.4	7447.0
0.0	30°	974.8	1743.1	2511.4	3279.6	4047.9	5106.4	6164.9	7221.7	8280.2	9104.8
0.0	32.5°	1230.9	2171.6	3112.3	4051.3	4992.0	6197.3	7404.4	8609.7	9815.0	10716.4
0.0	35°	1398.2	2535.3	3674.0	4811.0	5948.1	7252.4	8556.8	9859.4	11163.7	12193.2
0.0	37.5°	1565.6	2878.4	4189.6	5502.5	6813.6	8246.0	9678.4	11110.8	12543.2	13815.1
0.0	40°	1753.3	3293.3	4831.5	6371.5	7909.7	9606.7	11302.0	12999.0	14694.3	16488.6
0.0	42.5°	2079.4	3981.3	5884.9	7786.8	9688.7	11933.7	14178.7	16422.1	18667.1	21228.0
0.0	45°	2692.3	5372.7	8054.8	10735.2	13415.6	16389.6	19365.4	22339.4	25313.4	28721.1
0.0	47.5°	4193.0	7880.7	11566.6	15254.3	18940.3	22151.6	25361.2	28572.6	31782.2	35176.2
0.0	50°	6415.9	10707.9	14999.9	19290.2	23582.3	26488.0	29392.1	32297.8	35201.8	38430.3
0.0	52.5°	8024.1	12495.4	16968.4	21439.7	25911.0	28533.3	31157.4	33779.7	36402.0	39418.8
0.0	55°	8145.3	12591.0	17038.4	21484.1	25929.8	28564.0	31198.3	33832.6	36466.9	39664.6
0.0	57.5°	7211.4	11621.3	16029.4	20439.2	24847.4	27847.0	30844.9	33844.6	36842.5	40299.7
0.0	60°	6134.2	10545.7	14955.5	19367.1	23776.9	27232.4	30689.6	34145.1	37600.5	40839.2
0.0	62.5°	4785.4	9323.3	13862.9	18400.8	22938.6	26447.1	29955.5	33462.2	36970.6	39400.0
0.0	65°	3566.5	7972.9	12379.3	16784.0	21190.4	24000.6	26810.7	29619.1	32429.3	33933.4
0.0	67.5°	2578.0	6378.3	10176.9	13977.3	17775.9	19787.1	21798.2	23807.6	25818.8	26969.5
	70°	1743.1	4375.7	7006.6	9639.1	12270.0	13922.6	15577.0	17229.6	18882.2	20435.8
	72.5°	1207.0	2685.5	4165.7	5644.2	7122.7	8785.5	10446.7	12109.5	13770.7	15414.8
	75°	800.7	1473.4	2147.7	2820.4	3493.0	4724.0	5956.6	7187.5	8418.5	9398.4
	77.5°	568.5	770.0	973.1	1174.6	1376.0	1606.5	1838.7	2069.2	2299.7	2649.7
	80°	269.7	295.4	321.0	344.9	370.5	454.1	537.8	621.4	705.1	793.9
	82.5°	128.0	138.3	148.5	157.1	167.3	175.8	184.4	192.9	201.5	192.9
	85°	34.1	34.1	35.9	35.9	35.9	35.9	35.9	35.9	35.9	34.1
	87.5°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	13.7	13.7	12.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
99.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
297.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
711.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1847.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3918.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6045.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8201.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9931.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11619.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13222.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15088.7	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18283.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23788.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32128.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38570.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41658.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42435.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42864.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43756.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44076.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41831.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35439.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28121.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21987.7											
17058.9											
10378.4											
2999.6											
882.6											
182.7											
32.4											
12.0											
0.0											
0.0											
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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	2.5°	111.0	109.3	107.6	105.8	104.1	100.7	100.7	99.0	99.0
0.0	5°	121.2	119.5	117.8	116.1	116.1	114.4	112.7	112.7	111.0
0.0	7.5°	138.3	136.6	134.9	133.2	133.2	131.5	131.5	129.8	129.8
0.0	10°	158.8	158.8	158.8	158.8	158.8	157.1	157.1	157.1	155.4
0.0	12.5°	199.7	201.5	204.9	208.3	213.4	213.4	213.4	211.7	211.7
0.0	15°	315.8	334.6	348.3	361.9	373.9	401.2	397.8	392.7	389.3
0.0	17.5°	799.0	884.4	930.5	974.8	1020.9	1147.3	1126.8	1106.3	1087.5
0.0	20°	2070.9	2294.5	2443.1	2591.6	2741.8	2979.2	2921.1	2863.1	2805.0
0.0	22.5°	4430.3	4944.2	5167.9	5391.5	5613.4	5900.3	5714.2	5528.1	5343.7
0.0	25°	6711.2	7378.7	7756.0	8133.4	8508.9	8672.8	8430.4	8186.3	7943.8
0.0	27.5°	8956.2	9710.9	10043.8	10375.0	10707.9	11051.0	10750.6	10448.4	10147.9
0.0	30°	10755.7	11580.3	11940.5	12299.0	12659.3	12898.3	12587.6	12275.1	11964.4
0.0	32.5°	12521.0	13422.4	13816.8	14211.2	14603.8	14947.0	14564.6	14180.4	13798.0
0.0	35°	14250.4	15279.9	15822.8	16365.7	16908.6	17227.9	16773.8	16317.9	15863.8
0.0	37.5°	16360.6	17632.5	18240.3	18848.1	19455.9	20038.0	19537.8	19035.9	18535.6
0.0	40°	20077.3	21871.6	22803.8	23737.6	24669.8	25421.0	24789.3	24157.6	23525.9
0.0	42.5°	26349.7	28910.6	30250.8	31589.3	32929.5	34102.4	33438.3	32774.1	32110.0
0.0	45°	35536.5	38944.1	40578.0	42210.1	43844.0	44701.0	43744.9	42787.2	41831.1
0.0	47.5°	41962.6	45356.6	46811.2	48265.7	49720.3	50698.6	49529.1	48359.6	47191.9
0.0	50°	44885.4	48113.8	49573.5	51031.5	52491.2	53268.0	51917.6	50565.4	49215.0
0.0	52.5°	45450.5	48467.2	50208.6	51951.7	53693.1	54731.1	53136.5	51540.3	49945.7
0.0	55°	46061.7	49259.4	51279.0	53300.4	55320.1	56757.6	54954.8	53150.2	51347.3
0.0	57.5°	47212.4	50669.6	52684.1	54697.0	56711.5	57932.2	56124.2	54314.5	52506.6
0.0	60°	47314.8	50551.8	52282.9	54015.8	55746.9	56515.2	54785.7	53054.6	51325.1
0.0	62.5°	44260.5	46690.0	47891.9	49093.8	50295.7	51130.5	49325.9	47519.7	45715.1
0.0	65°	36943.2	38447.3	39405.1	40362.9	41320.6	42316.0	40663.3	39010.7	37358.1
0.0	67.5°	29272.6	30423.2	31684.9	32946.6	34208.2	35271.8	33948.7	32623.9	31300.8
	70°	23541.3	25093.2	26511.9	27930.7	29349.4	30220.1	28891.8	27561.9	26233.6
	72.5°	18703.0	20347.0	21531.9	22715.0	23899.8	24113.2	23136.7	22160.1	21185.3
	75°	11356.6	12336.6	12360.5	12382.7	12406.6	12609.8	11800.5	10991.3	10183.8
	77.5°	3349.6	3699.6	3988.1	4275.0	4563.5	4911.8	4614.7	4315.9	4018.9
	80°	969.7	1058.5	1133.6	1207.0	1282.1	1237.8	1167.8	1097.8	1027.8
	82.5°	174.1	163.9	162.2	160.5	160.5	151.9	138.3	124.6	111.0
	85°	30.7	29.0	27.3	25.6	23.9	22.2	18.8	17.1	13.7
	87.5°	10.2	8.5	6.8	5.1	5.1	1.7	1.7	1.7	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: P1049314

CATALOG NUMBER: GALN-SA9B-927-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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.0	0.0	2.5°	97.3	95.6	95.6	95.6	95.6	93.9	93.9	93.9	93.9
0.0	0.0	5°	107.6	107.6	105.8	105.8	104.1	104.1	102.4	102.4	100.7
0.0	0.0	7.5°	126.3	124.6	122.9	121.2	119.5	116.1	114.4	112.7	112.7
0.0	0.0	10°	151.9	148.5	146.8	143.4	141.7	138.3	134.9	131.5	128.0
0.0	0.0	12.5°	199.7	192.9	187.8	181.0	174.1	169.0	162.2	157.1	150.2
0.0	0.0	15°	346.6	329.5	310.7	288.5	264.6	242.4	218.5	204.9	189.5
0.0	0.0	17.5°	886.1	797.3	706.8	633.4	560.0	488.3	414.9	361.9	309.0
0.0	0.0	20°	2255.3	2009.4	1763.6	1521.2	1277.0	1034.6	790.5	667.5	544.6
0.0	0.0	22.5°	4244.2	3788.4	3330.9	2888.7	2444.8	2002.6	1560.4	1282.1	1005.6
0.0	0.0	25°	6550.7	5977.1	5403.5	4676.2	3947.2	3219.9	2492.6	2040.2	1587.7
0.0	0.0	27.5°	8524.3	7863.6	7202.9	6318.5	5434.2	4549.8	3665.5	2991.1	2318.4
0.0	0.0	30°	10233.3	9523.1	8812.8	7783.4	6753.9	5724.4	4694.9	3851.6	3008.2
0.0	0.0	32.5°	11715.2	10865.0	10014.7	8952.8	7890.9	6829.0	5767.1	4732.5	3697.9
0.0	0.0	35°	13424.1	12432.2	11438.6	10260.6	9080.9	7902.9	6724.9	5557.1	4387.6
0.0	0.0	37.5°	15595.8	14378.5	13159.5	11846.6	10533.7	9222.6	7909.7	6574.6	5239.6
0.0	0.0	40°	19752.9	18182.2	16611.6	14943.6	13273.9	11605.9	9937.9	8299.0	6660.0
0.0	0.0	42.5°	27201.7	25079.5	22957.4	20738.0	18516.9	16297.4	14076.3	11764.7	9451.4
0.0	0.0	45°	35608.2	32975.6	30341.3	27850.4	25357.8	22866.9	20376.1	17204.0	14031.9
0.0	0.0	47.5°	40335.6	37493.0	34650.4	32292.7	29935.0	27577.3	25219.5	21799.9	18380.3
0.0	0.0	50°	42075.2	39181.5	36287.7	34117.7	31946.1	29776.2	27604.6	24179.8	20753.4
0.0	0.0	52.5°	42445.7	39493.9	36542.0	34358.5	32174.9	29993.0	27809.4	24406.9	21004.3
0.0	0.0	55°	43207.2	40040.2	36871.5	34382.4	31893.2	29404.0	26914.8	23457.7	20000.5
0.0	0.0	57.5°	44202.5	40955.3	37708.1	34872.3	32036.6	29202.6	26366.8	22587.0	18807.1
0.0	0.0	60°	43941.3	41115.8	38288.6	35251.4	32212.4	29175.2	26136.3	21979.2	17820.3
0.0	0.0	62.5°	39406.8	37156.7	34904.8	32407.1	29907.7	27409.9	24912.2	20632.2	16352.1
0.0	0.0	65°	32419.0	30776.6	29134.3	27124.8	25113.7	23104.3	21094.8	17256.9	13420.7
0.0	0.0	67.5°	26274.6	24424.0	22571.6	20970.2	19367.1	17765.7	16162.6	13142.4	10122.3
		70°	20874.6	18861.7	16847.2	15283.3	13717.8	12153.9	10590.1	8582.4	6576.3
		72.5°	16577.4	14762.6	12947.8	11279.8	9610.1	7942.1	6272.4	5085.9	3899.4
		75°	7923.4	7197.8	6472.2	5599.8	4727.4	3855.0	2982.6	2465.3	1949.7
		77.5°	2936.5	2545.5	2152.8	1797.7	1442.6	1089.2	734.1	672.7	611.2
		80°	759.7	662.4	563.4	493.4	421.7	351.7	281.7	254.4	228.8
		82.5°	87.1	80.2	75.1	71.7	66.6	63.2	58.0	52.9	47.8
		85°	5.1	3.4	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):

[illegible]

REPORT NUMBER: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	99.0	99.0
0.0	0.0	2.5°	92.2	90.5
0.0	0.0	5°	97.3	95.6
0.0	0.0	7.5°	107.6	104.1
0.0	0.0	10°	117.8	114.4
0.0	0.0	12.5°	133.2	128.0
0.0	0.0	15°	150.2	140.0
0.0	0.0	17.5°	179.3	157.1
0.0	0.0	20°	242.4	186.1
0.0	0.0	22.5°	341.5	232.2
0.0	0.0	25°	501.9	321.0
0.0	0.0	27.5°	698.3	426.8
0.0	0.0	30°	928.7	534.4
0.0	0.0	32.5°	1131.9	636.8
0.0	0.0	35°	1396.5	740.9
0.0	0.0	37.5°	1722.6	874.1
0.0	0.0	40°	2228.0	1075.6
0.0	0.0	42.5°	3137.9	1447.8
0.0	0.0	45°	5096.1	2502.8
0.0	0.0	47.5°	7841.4	4140.1
0.0	0.0	50°	9593.1	5283.9
0.0	0.0	52.5°	9736.5	5275.4
0.0	0.0	55°	8888.0	4689.8
0.0	0.0	57.5°	7583.6	3919.9
0.0	0.0	60°	6303.2	3100.4
0.0	0.0	62.5°	4966.4	2140.9
0.0	0.0	65°	3629.6	1514.3
0.0	0.0	67.5°	2607.0	1131.9
		70°	1714.1	867.3
		72.5°	1116.5	706.8
		75°	751.2	585.6
		77.5°	438.8	389.3
		80°	155.4	136.6
		82.5°	29.0	20.5
		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: P1049314

CATALOG NUMBER: GALN-SA9B-927-U-RBC

CANDELA DISTRIBUTION (continued):

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

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



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

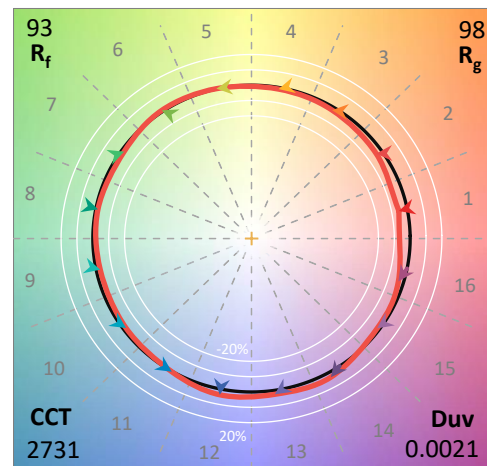
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

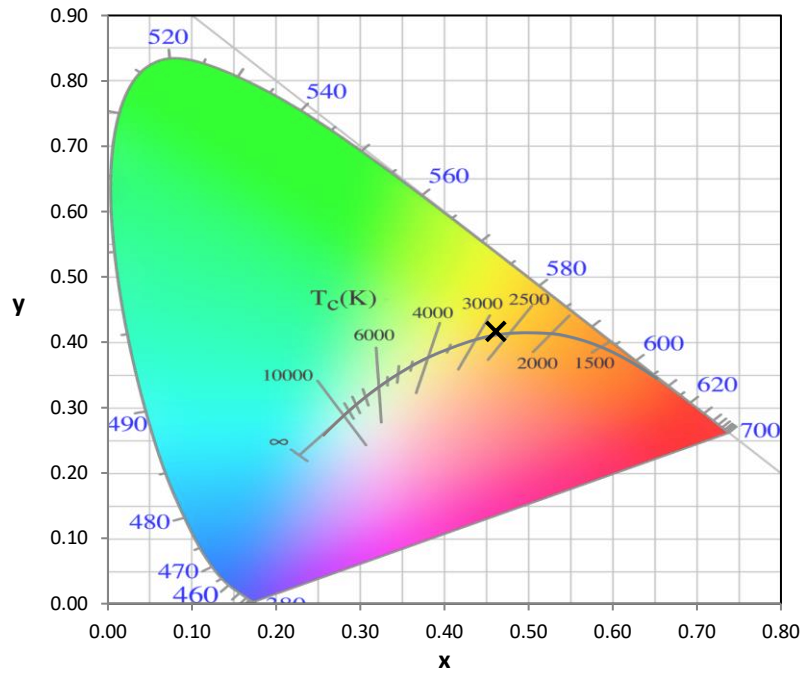
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

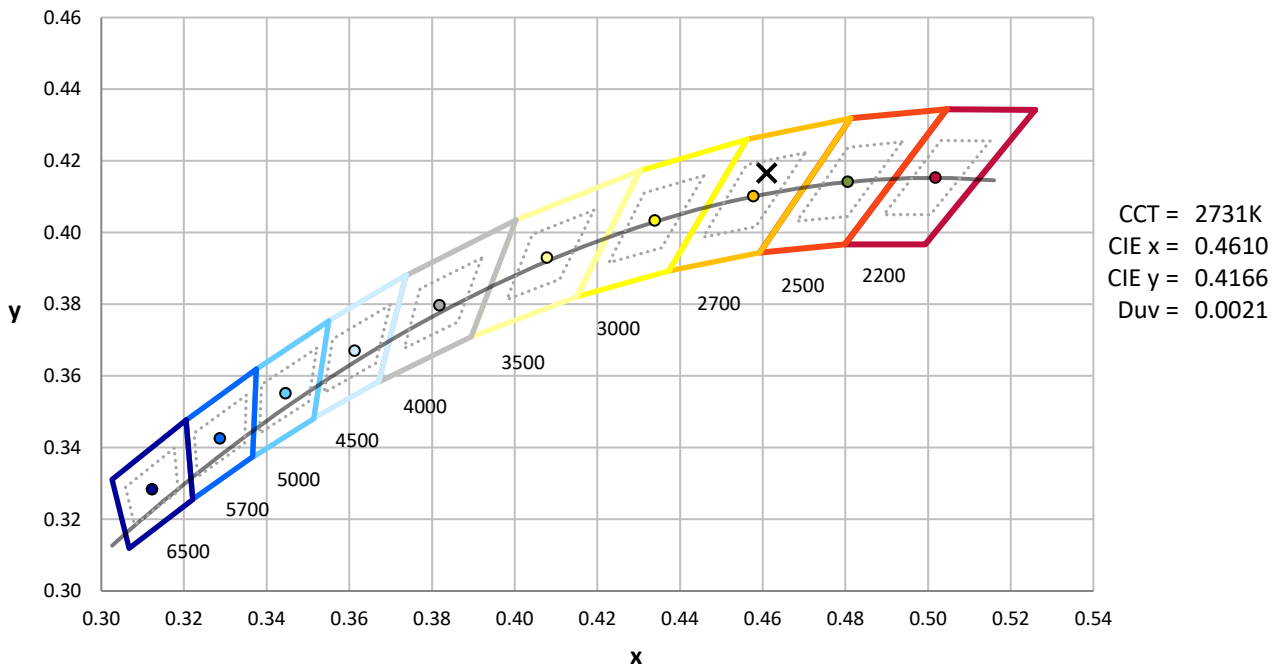
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-13

CIE 1931 Chromaticity Diagram

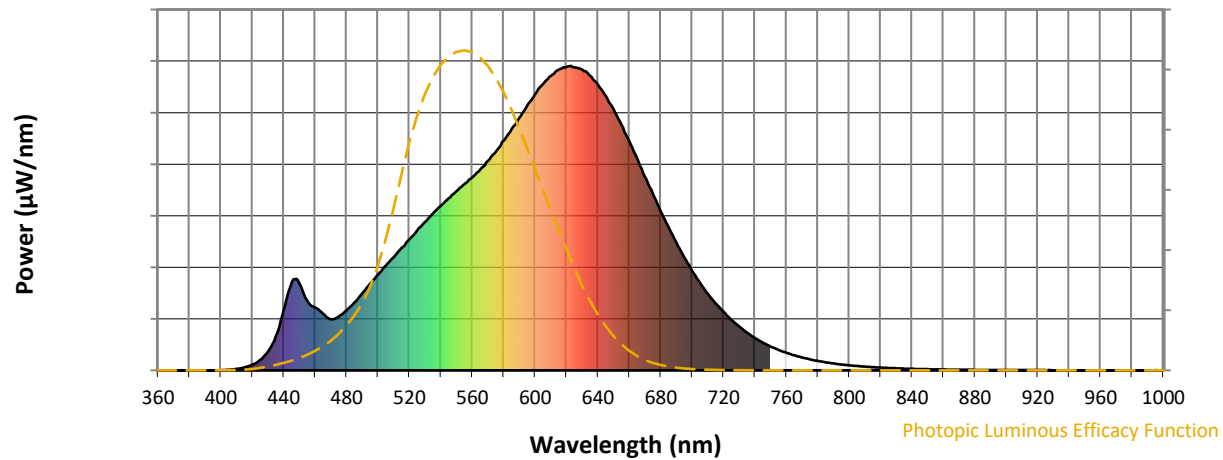


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

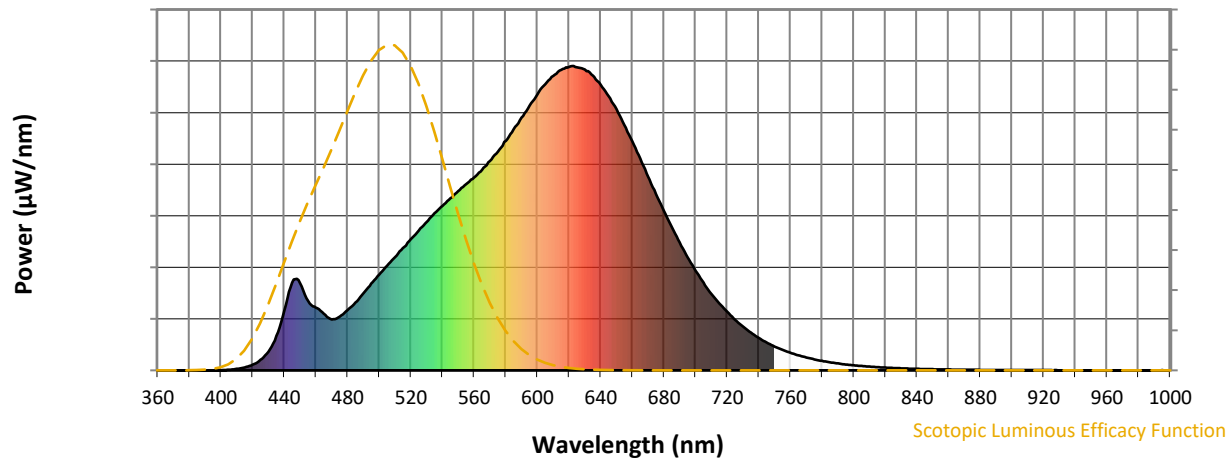


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



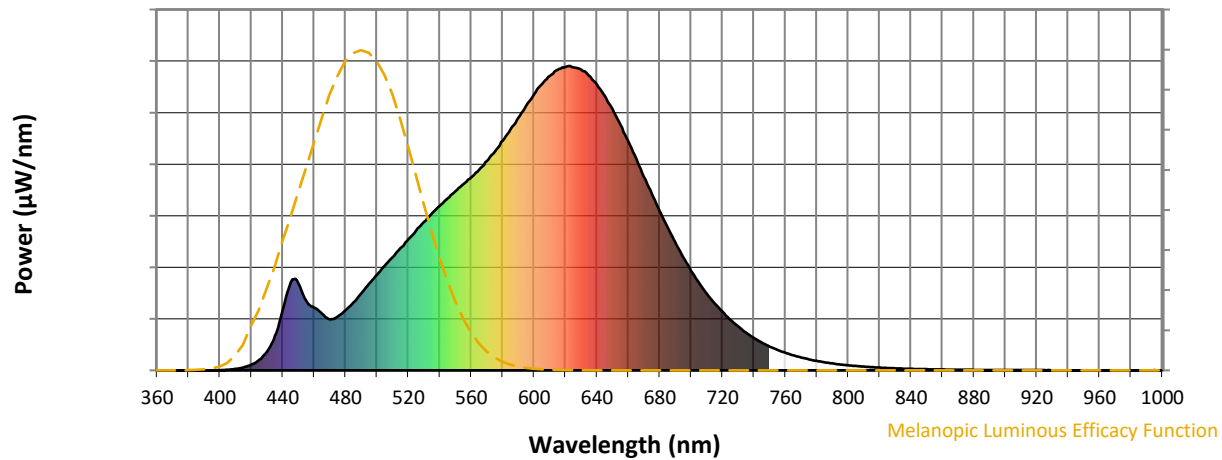
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

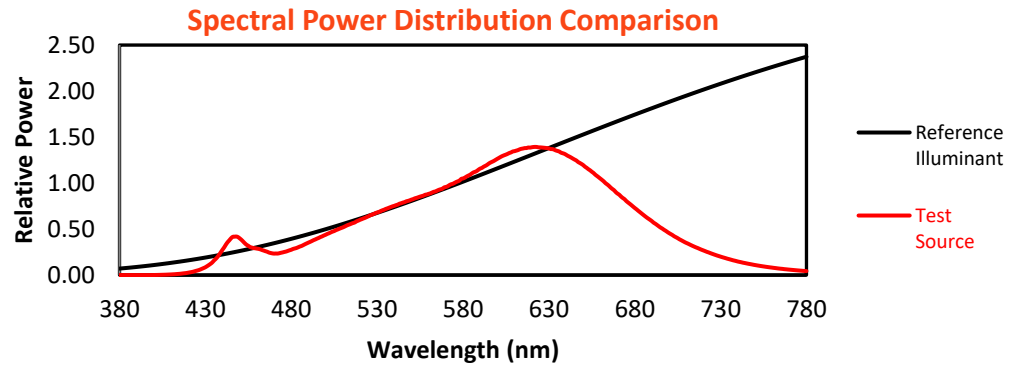
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

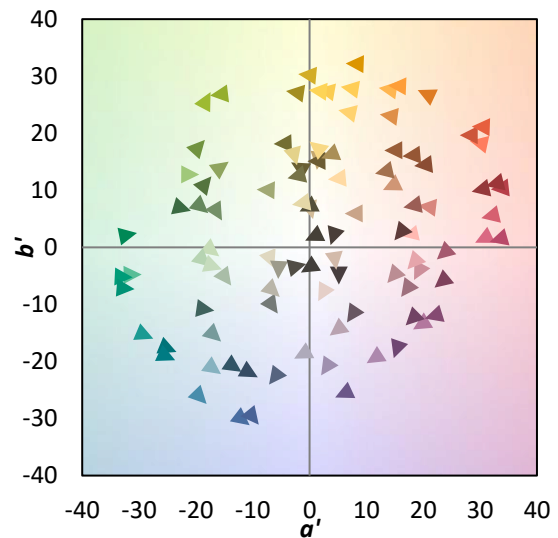
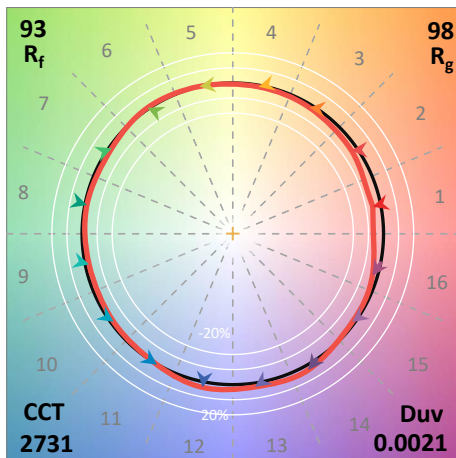
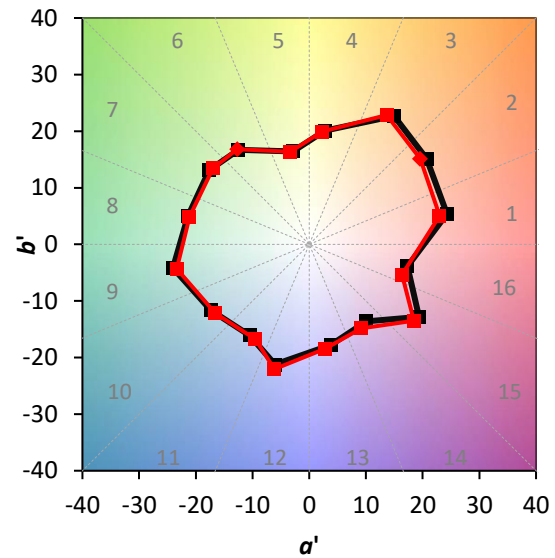
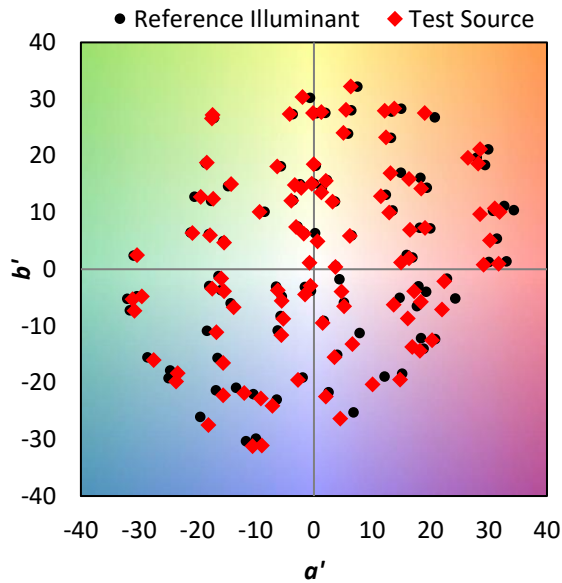
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

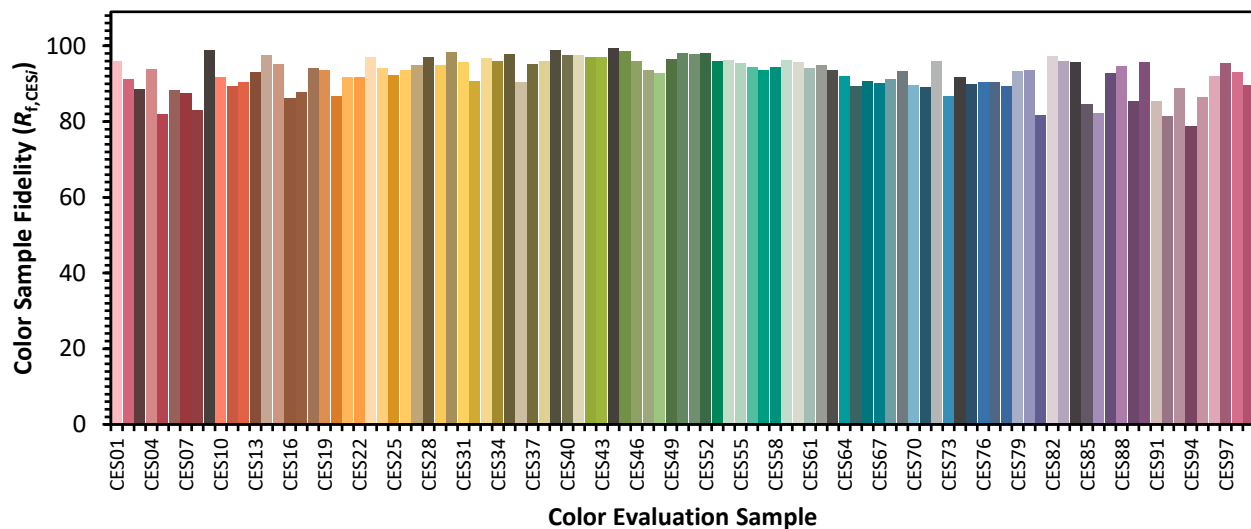


Color Vector Graphics

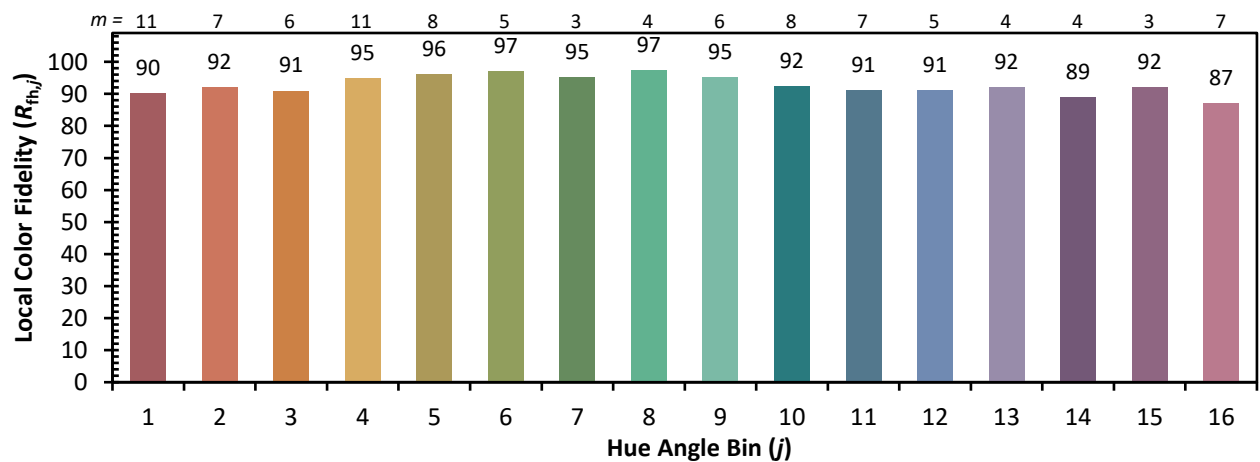
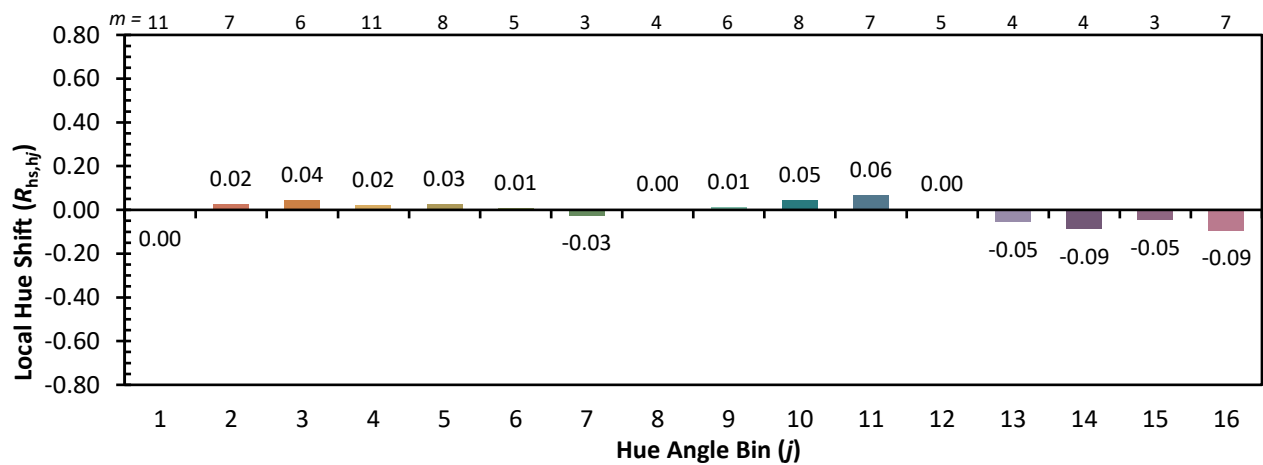
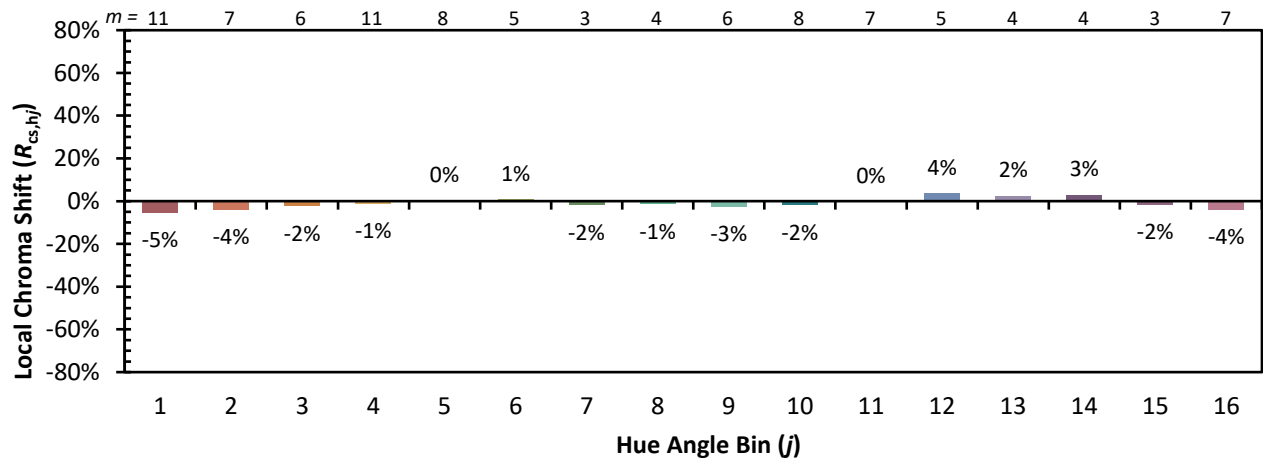


Individual Sample Fidelity Index ($R_{f,i}$)

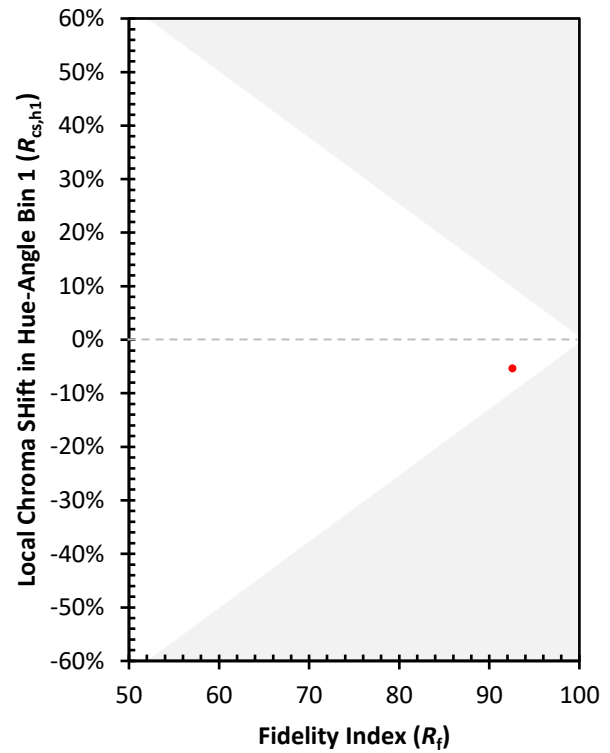
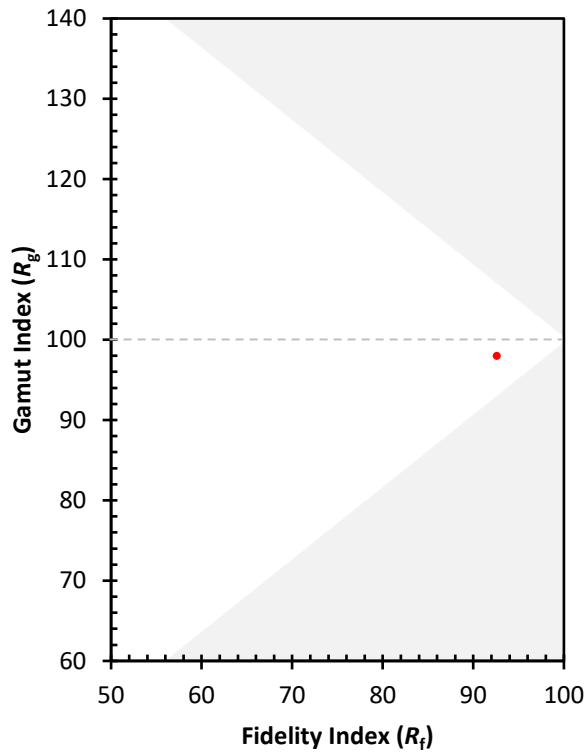
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)