

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: P1049129

Luminaire Tested: **GALN-SA8A-827-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049129
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-827-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
80CRI 2700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (112) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22421.1 lumens
Efficiency: N/A
Efficacy: 103.0 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

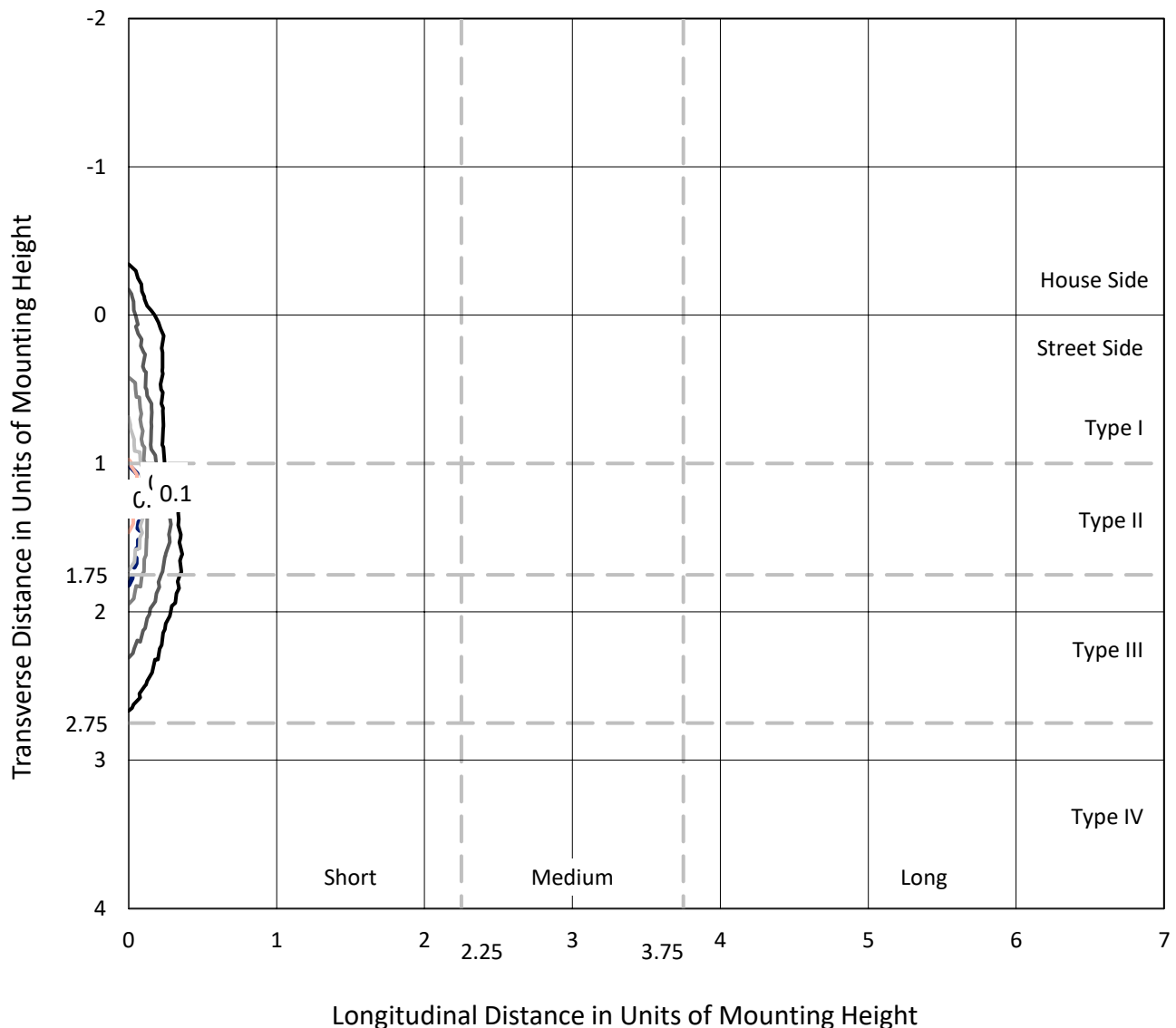
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

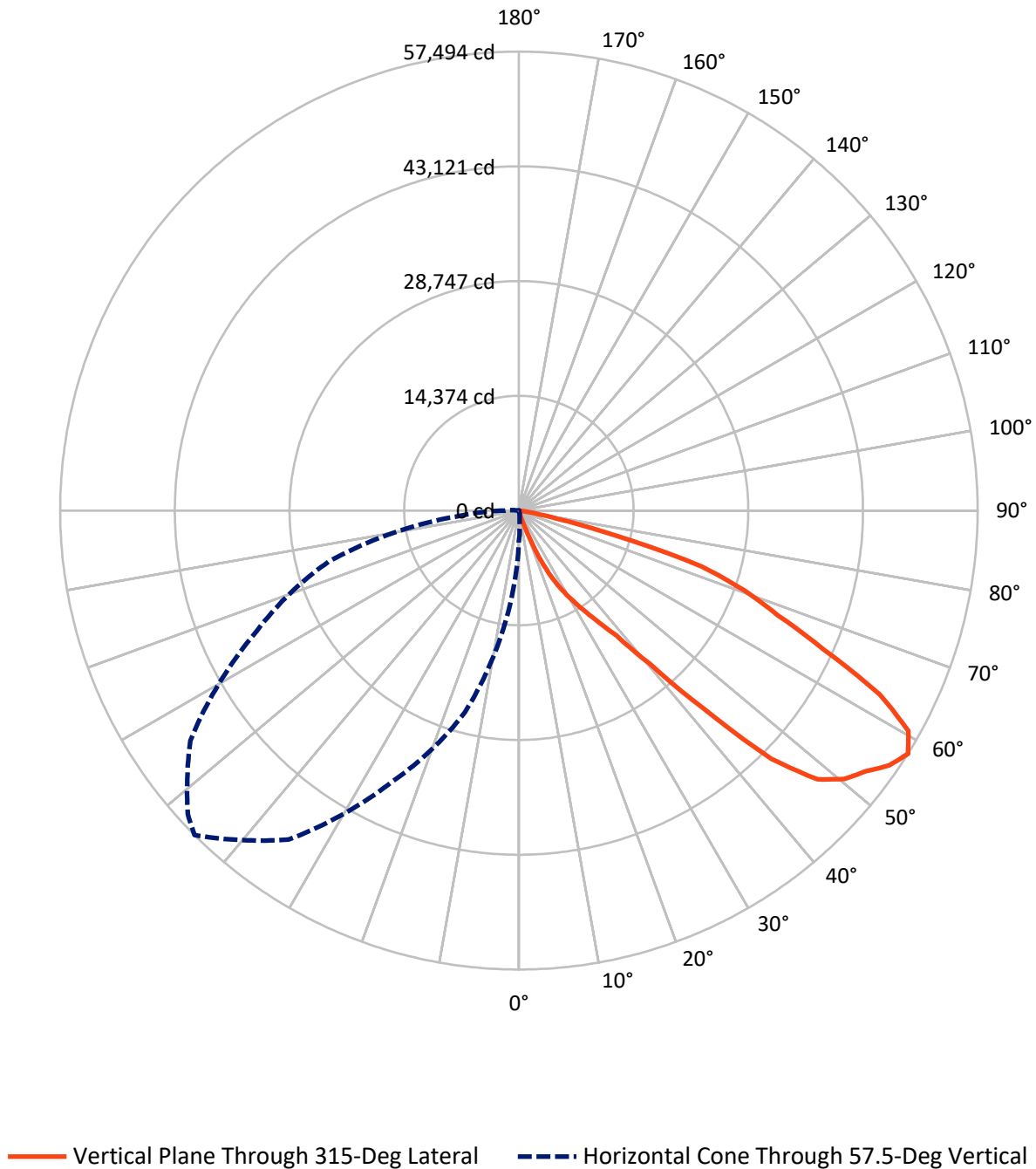


Based on 20 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	112.3	0.0	112.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	22308.9	0.0	22308.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	22421.1	0.0	22421.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.0
10°-20°	49.3	0.2
20°-30°	531.4	2.4
30°-40°	1571.3	7.0
40°-50°	4682.9	20.9
50°-60°	7425.4	33.1
60°-70°	6198.4	27.6
70°-80°	1911.3	8.5
80°-90°	42.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22421.1	100.0
0°-180°	22421.1	100.0



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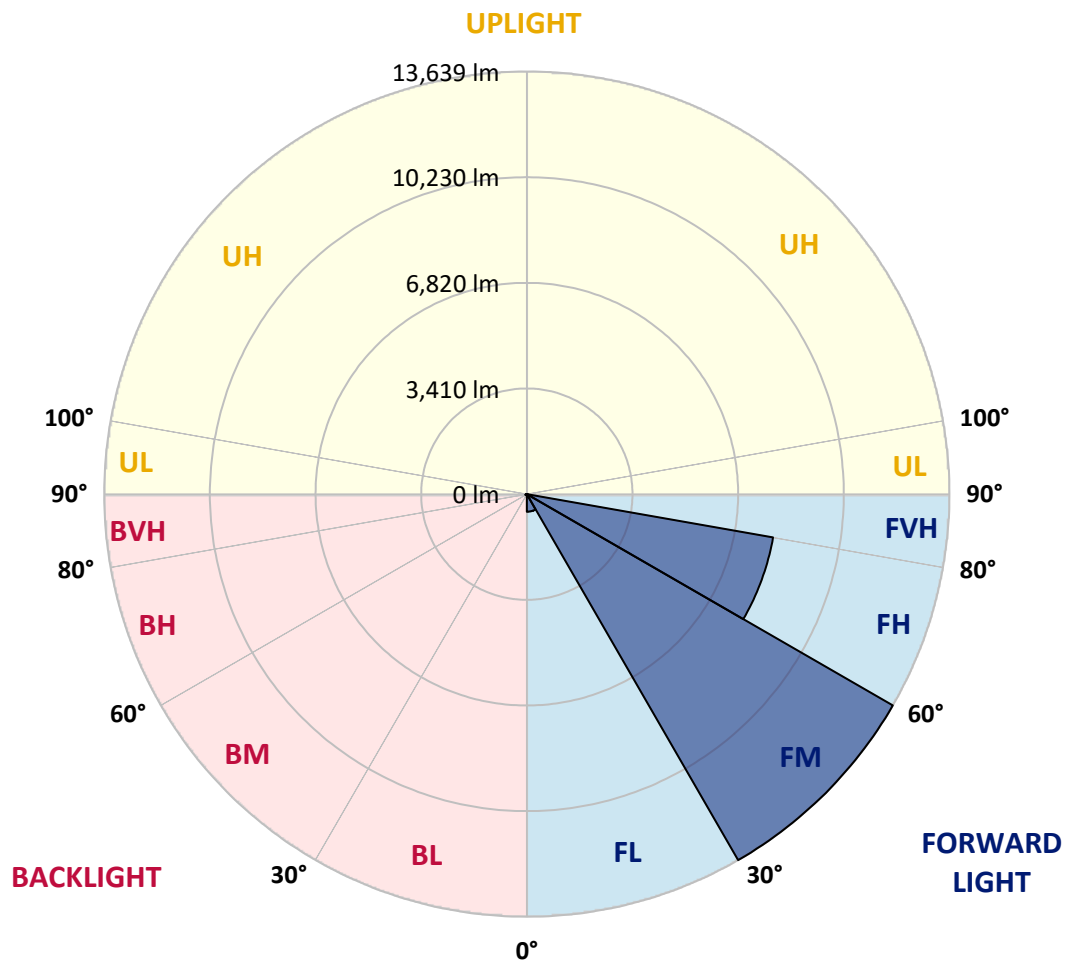
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	568.8	2.5			
FM	(30°-60°)	13639.4	60.8			
FH	(60°-80°)	8067.8	36.0			G4/12000
FVH	(80°-90°)	32.9	0.1			G1/100
BL	(0°-30°)	20.6	0.1	B0/110		
BM	(30°-60°)	40.1	0.2	B0/220		
BH	(60°-80°)	41.9	0.2	B0/110		G0/110
BVH	(80°-90°)	9.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-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°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2.5°	89.8	89.8	89.8	89.8	88.1	88.1	86.4	86.4	84.7	84.7
5°	94.9	94.9	93.2	91.5	91.5	89.8	88.1	86.4	86.4	84.7
7.5°	103.4	101.7	100.0	98.3	94.9	93.2	89.8	88.1	86.4	83.0
10°	113.5	110.1	106.7	103.4	100.0	96.6	93.2	91.5	88.1	86.4
12.5°	127.1	122.0	115.2	110.1	106.7	101.7	98.3	94.9	89.8	86.4
15°	138.9	132.2	123.7	116.9	111.8	105.0	100.0	94.9	91.5	86.4
17.5°	155.9	144.0	130.5	122.0	115.2	106.7	98.3	93.2	88.1	81.3
20°	184.7	161.0	135.5	125.4	115.2	105.0	94.9	88.1	83.0	76.2
22.5°	230.4	189.8	149.1	133.9	120.3	105.0	91.5	84.7	77.9	71.2
25°	318.5	245.7	172.8	152.5	132.2	111.8	91.5	83.0	76.2	67.8
27.5°	423.6	315.1	205.0	176.2	149.1	120.3	91.5	81.3	72.9	62.7
30°	530.3	386.3	240.6	203.3	166.0	128.8	91.5	79.6	69.5	57.6
32.5°	632.0	452.4	271.1	227.0	183.0	137.2	93.2	79.6	66.1	52.5
35°	735.3	506.6	276.2	230.4	184.7	137.2	91.5	76.2	62.7	47.4
37.5°	867.5	567.6	266.0	220.3	176.2	130.5	86.4	72.9	59.3	44.1
40°	1067.4	669.3	271.1	223.7	176.2	128.8	81.3	67.8	55.9	42.4
42.5°	1436.8	865.8	293.1	238.9	184.7	128.8	74.6	62.7	52.5	40.7
45°	2483.9	1438.5	393.1	311.8	230.4	149.1	67.8	57.6	49.1	39.0
47.5°	4108.8	2407.7	706.5	545.6	386.3	225.3	66.1	57.6	49.1	39.0
50°	5244.0	3066.8	889.5	684.5	479.5	274.5	69.5	59.3	50.8	40.7
52.5°	5235.5	3114.2	991.2	760.8	532.0	301.6	72.9	62.7	54.2	44.1
55°	4654.4	2832.9	1009.8	776.0	543.9	310.1	77.9	67.8	57.6	47.4
57.5°	3890.2	2406.0	921.7	713.3	506.6	298.2	89.8	77.9	67.8	55.9
60°	3076.9	1897.7	718.4	567.6	418.5	267.7	118.6	103.4	89.8	74.6
62.5°	2124.7	1375.8	626.9	503.2	381.2	257.5	135.5	120.3	106.7	91.5
65°	1502.9	1035.2	565.9	460.9	357.5	252.5	147.4	130.5	115.2	98.3
67.5°	1123.4	823.5	521.9	432.1	342.3	252.5	162.7	142.3	123.7	103.4
70°	860.7	676.0	489.7	416.8	345.6	272.8	199.9	171.1	144.0	115.2
72.5°	701.5	577.8	452.4	399.9	347.3	294.8	242.3	205.0	167.7	128.8
75°	581.2	494.7	408.3	364.3	321.9	277.9	233.8	199.9	167.7	133.9
77.5°	386.3	352.4	316.8	291.4	266.0	238.9	213.5	184.7	157.6	128.8
80°	135.5	130.5	125.4	135.5	145.7	155.9	166.0	145.7	127.1	106.7
82.5°	20.3	18.6	16.9	18.6	20.3	22.0	23.7	25.4	27.1	28.8
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°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	83.0	83.0	81.3	81.3	81.3	79.6	79.6	77.9	77.9	77.9
0.0	5°	81.3	81.3	79.6	77.9	76.2	76.2	74.6	72.9	72.9	71.2
0.0	7.5°	79.6	77.9	76.2	74.6	72.9	71.2	69.5	67.8	67.8	66.1
0.0	10°	81.3	77.9	76.2	72.9	71.2	69.5	66.1	64.4	62.7	62.7
0.0	12.5°	77.9	76.2	72.9	69.5	67.8	64.4	62.7	59.3	57.6	57.6
0.0	15°	77.9	74.6	69.5	66.1	62.7	61.0	57.6	54.2	52.5	50.8
0.0	17.5°	72.9	69.5	64.4	61.0	57.6	54.2	50.8	47.4	45.7	44.1
0.0	20°	66.1	62.7	57.6	52.5	49.1	45.7	42.4	39.0	37.3	35.6
0.0	22.5°	59.3	55.9	50.8	45.7	42.4	39.0	33.9	30.5	28.8	25.4
0.0	25°	55.9	50.8	45.7	40.7	35.6	32.2	27.1	22.0	18.6	15.2
0.0	27.5°	47.4	42.4	37.3	32.2	27.1	22.0	16.9	11.9	8.5	6.8
0.0	30°	40.7	35.6	30.5	25.4	18.6	13.6	8.5	1.7	1.7	1.7
0.0	32.5°	33.9	28.8	22.0	16.9	13.6	8.5	5.1	0.0	0.0	0.0
0.0	35°	27.1	22.0	15.2	10.2	8.5	5.1	3.4	0.0	0.0	0.0
0.0	37.5°	23.7	18.6	11.9	5.1	3.4	3.4	1.7	0.0	0.0	0.0
0.0	40°	22.0	15.2	8.5	1.7	1.7	1.7	0.0	0.0	0.0	0.0
0.0	42.5°	22.0	15.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	22.0	15.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	22.0	15.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	23.7	16.9	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	27.1	20.3	13.6	6.8	5.1	3.4	1.7	0.0	0.0	0.0
0.0	55°	33.9	30.5	25.4	22.0	16.9	11.9	5.1	0.0	0.0	0.0
0.0	57.5°	44.1	44.1	42.4	40.7	30.5	20.3	10.2	0.0	0.0	0.0
0.0	60°	59.3	59.3	59.3	59.3	44.1	30.5	15.2	0.0	0.0	0.0
0.0	62.5°	72.9	69.5	64.4	61.0	45.7	30.5	15.2	0.0	0.0	0.0
0.0	65°	72.9	66.1	57.6	49.1	37.3	25.4	11.9	0.0	0.0	0.0
0.0	67.5°	67.8	54.2	39.0	25.4	18.6	13.6	6.8	0.0	0.0	0.0
	70°	67.8	47.4	27.1	6.8	5.1	3.4	1.7	0.0	0.0	0.0
	72.5°	67.8	45.7	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	74.6	50.8	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	74.6	50.8	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	66.1	44.1	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	22.0	15.2	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°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	76.2	76.2	76.2	74.6	74.6	74.6	74.6	72.9	72.9	72.9
0.0	5°	69.5	69.5	67.8	67.8	66.1	66.1	64.4	64.4	62.7	62.7
0.0	7.5°	64.4	62.7	62.7	61.0	59.3	59.3	57.6	57.6	55.9	54.2
0.0	10°	59.3	57.6	57.6	55.9	54.2	52.5	52.5	50.8	49.1	47.4
0.0	12.5°	54.2	52.5	50.8	49.1	47.4	45.7	45.7	44.1	42.4	40.7
0.0	15°	47.4	45.7	44.1	42.4	40.7	39.0	39.0	37.3	35.6	33.9
0.0	17.5°	40.7	39.0	39.0	37.3	35.6	33.9	32.2	28.8	27.1	25.4
0.0	20°	30.5	28.8	27.1	25.4	23.7	20.3	18.6	15.2	11.9	10.2
0.0	22.5°	20.3	16.9	15.2	11.9	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

CATALOG NUMBER: GALN-SA8A-827-U-RBC

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	71.2	71.2	71.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5
0.0	5°	61.0	61.0	61.0	59.3	59.3	57.6	57.6	57.6	55.9	55.9
0.0	7.5°	52.5	50.8	50.8	49.1	49.1	47.4	47.4	47.4	45.7	45.7
0.0	10°	44.1	42.4	42.4	40.7	40.7	39.0	39.0	37.3	37.3	35.6
0.0	12.5°	39.0	37.3	35.6	33.9	33.9	32.2	30.5	30.5	28.8	27.1
0.0	15°	30.5	28.8	27.1	25.4	23.7	22.0	20.3	20.3	18.6	16.9
0.0	17.5°	20.3	16.9	15.2	13.6	13.6	11.9	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: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	69.5	67.8	67.8	67.8	69.5	69.5	69.5	69.5	69.5	69.5
0.0	5°	55.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
0.0	7.5°	45.7	44.1	44.1	44.1	44.1	42.4	42.4	42.4	42.4	42.4
0.0	10°	35.6	33.9	33.9	33.9	33.9	32.2	32.2	32.2	32.2	32.2
0.0	12.5°	25.4	25.4	23.7	23.7	23.7	22.0	22.0	22.0	22.0	20.3
0.0	15°	15.2	13.6	11.9	11.9	11.9	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
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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CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	71.2	71.2	72.9	72.9	74.6	77.9	79.6	81.3	84.7	88.1
0.0	5°	55.9	57.6	57.6	59.3	61.0	62.7	64.4	66.1	69.5	72.9
0.0	7.5°	44.1	44.1	45.7	45.7	47.4	50.8	52.5	54.2	57.6	62.7
0.0	10°	33.9	33.9	35.6	35.6	37.3	40.7	42.4	44.1	47.4	52.5
0.0	12.5°	22.0	23.7	23.7	25.4	27.1	30.5	32.2	33.9	37.3	40.7
0.0	15°	10.2	11.9	11.9	13.6	15.2	18.6	20.3	22.0	25.4	30.5
0.0	17.5°	1.7	1.7	3.4	3.4	5.1	6.8	8.5	10.2	15.2	18.6
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

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	93.2	96.6	100.0	103.4	106.7	110.1	111.8	115.2	116.9	118.6
0.0	5°	79.6	83.0	88.1	91.5	94.9	98.3	101.7	103.4	105.0	106.7
0.0	7.5°	69.5	72.9	77.9	81.3	84.7	88.1	91.5	94.9	96.6	98.3
0.0	10°	59.3	64.4	67.8	72.9	76.2	79.6	83.0	86.4	89.8	91.5
0.0	12.5°	47.4	52.5	57.6	61.0	66.1	71.2	74.6	77.9	81.3	84.7
0.0	15°	37.3	42.4	47.4	50.8	55.9	61.0	66.1	69.5	72.9	76.2
0.0	17.5°	27.1	32.2	37.3	40.7	45.7	50.8	54.2	59.3	62.7	66.1
0.0	20°	13.6	18.6	23.7	28.8	33.9	39.0	42.4	47.4	50.8	54.2
0.0	22.5°	1.7	6.8	11.9	15.2	20.3	25.4	28.8	33.9	37.3	40.7
0.0	25°	0.0	1.7	5.1	6.8	8.5	11.9	15.2	18.6	22.0	25.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.4	6.8	10.2	13.6
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	11.9
	87.5°	0.0	1.7	3.4	5.1	6.8	10.2	13.6	16.9	18.6	20.3
	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: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
98.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.9	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											
15.2											
22.0											
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REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	120.3	120.3	120.3	120.3	118.6	118.6	118.6	116.9	116.9	115.2
0.0	5°	110.1	111.8	111.8	111.8	111.8	111.8	111.8	111.8	110.1	110.1
0.0	7.5°	101.7	103.4	105.0	105.0	106.7	106.7	106.7	105.0	105.0	103.4
0.0	10°	96.6	98.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0	12.5°	89.8	91.5	93.2	93.2	94.9	94.9	94.9	94.9	93.2	93.2
0.0	15°	81.3	84.7	86.4	88.1	88.1	89.8	89.8	89.8	89.8	89.8
0.0	17.5°	74.6	77.9	79.6	81.3	81.3	83.0	83.0	84.7	84.7	84.7
0.0	20°	61.0	64.4	66.1	69.5	71.2	72.9	74.6	76.2	76.2	77.9
0.0	22.5°	47.4	50.8	52.5	55.9	57.6	59.3	61.0	62.7	64.4	66.1
0.0	25°	33.9	37.3	39.0	42.4	44.1	45.7	47.4	49.1	49.1	50.8
0.0	27.5°	18.6	22.0	25.4	27.1	30.5	32.2	33.9	35.6	37.3	39.0
0.0	30°	8.5	10.2	11.9	15.2	16.9	18.6	20.3	23.7	25.4	27.1
0.0	32.5°	0.0	0.0	1.7	5.1	6.8	8.5	10.2	11.9	11.9	13.6
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	11.9	11.9	13.6	13.6	13.6	13.6	11.9	11.9
	85°	16.9	18.6	20.3	20.3	22.0	22.0	22.0	22.0	22.0	22.0
	87.5°	23.7	25.4	27.1	27.1	28.8	28.8	28.8	28.8	28.8	28.8
	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: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
98.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.9	145°	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
3.4	150°	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
1.7	155°	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
1.7	160°	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
1.7	165°	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	170°	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	175°	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	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0										
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REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	113.5	113.5	111.8	111.8	111.8	111.8	111.8	113.5	115.2	115.2
0.0	5°	108.4	108.4	106.7	106.7	106.7	108.4	108.4	110.1	111.8	113.5
0.0	7.5°	103.4	101.7	101.7	103.4	103.4	105.0	105.0	106.7	108.4	110.1
0.0	10°	100.0	98.3	98.3	98.3	100.0	100.0	101.7	103.4	105.0	106.7
0.0	12.5°	93.2	93.2	93.2	93.2	94.9	94.9	96.6	98.3	101.7	103.4
0.0	15°	89.8	88.1	88.1	88.1	88.1	89.8	89.8	93.2	96.6	98.3
0.0	17.5°	83.0	83.0	81.3	81.3	83.0	83.0	84.7	88.1	91.5	93.2
0.0	20°	76.2	74.6	72.9	72.9	74.6	74.6	76.2	79.6	83.0	84.7
0.0	22.5°	66.1	64.4	64.4	64.4	64.4	66.1	66.1	69.5	74.6	77.9
0.0	25°	52.5	54.2	54.2	55.9	55.9	57.6	59.3	62.7	67.8	71.2
0.0	27.5°	40.7	42.4	42.4	45.7	47.4	49.1	50.8	55.9	61.0	64.4
0.0	30°	30.5	32.2	33.9	35.6	39.0	42.4	45.7	50.8	55.9	59.3
0.0	32.5°	18.6	22.0	23.7	27.1	30.5	33.9	37.3	42.4	49.1	54.2
0.0	35°	13.6	15.2	18.6	20.3	23.7	27.1	30.5	37.3	42.4	49.1
0.0	37.5°	6.8	10.2	13.6	16.9	20.3	23.7	27.1	33.9	40.7	45.7
0.0	40°	5.1	8.5	10.2	13.6	18.6	22.0	25.4	32.2	39.0	45.7
0.0	42.5°	3.4	5.1	6.8	11.9	15.2	20.3	25.4	32.2	39.0	45.7
0.0	45°	3.4	3.4	5.1	10.2	15.2	22.0	27.1	33.9	39.0	45.7
0.0	47.5°	3.4	5.1	6.8	13.6	16.9	22.0	27.1	32.2	39.0	44.1
0.0	50°	5.1	6.8	8.5	15.2	18.6	23.7	27.1	33.9	39.0	45.7
0.0	52.5°	3.4	5.1	6.8	13.6	18.6	25.4	30.5	37.3	44.1	49.1
0.0	55°	1.7	1.7	1.7	10.2	20.3	28.8	39.0	44.1	50.8	55.9
0.0	57.5°	0.0	0.0	0.0	6.8	20.3	32.2	44.1	50.8	57.6	62.7
0.0	60°	0.0	0.0	0.0	6.8	20.3	32.2	44.1	52.5	61.0	69.5
0.0	62.5°	0.0	0.0	0.0	6.8	16.9	27.1	37.3	50.8	66.1	79.6
0.0	65°	0.0	0.0	0.0	5.1	13.6	22.0	30.5	50.8	71.2	89.8
0.0	67.5°	0.0	0.0	0.0	5.1	13.6	20.3	28.8	50.8	71.2	93.2
	70°	0.0	0.0	0.0	5.1	13.6	22.0	30.5	50.8	71.2	91.5
	72.5°	0.0	0.0	0.0	5.1	15.2	23.7	33.9	50.8	67.8	84.7
	75°	0.0	0.0	0.0	6.8	15.2	25.4	35.6	50.8	66.1	79.6
	77.5°	0.0	0.0	0.0	5.1	15.2	23.7	33.9	49.1	64.4	77.9
	80°	5.1	3.4	3.4	8.5	15.2	22.0	28.8	44.1	61.0	76.2
	82.5°	10.2	10.2	8.5	11.9	15.2	20.3	25.4	39.0	54.2	67.8
	85°	20.3	20.3	18.6	20.3	20.3	22.0	23.7	30.5	37.3	44.1
	87.5°	27.1	27.1	25.4	25.4	25.4	23.7	23.7	23.7	23.7	22.0
	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):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
98.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.8											
101.7											
94.9											
93.2											
91.5											
81.3											
50.8											
22.0											
0.0											
0.0											
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REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	118.6	120.3	120.3	122.0	123.7	125.4	125.4	127.1	127.1	127.1
0.0	5°	116.9	120.3	122.0	123.7	125.4	127.1	128.8	130.5	132.2	132.2
0.0	7.5°	115.2	116.9	120.3	122.0	125.4	127.1	130.5	132.2	133.9	135.5
0.0	10°	111.8	115.2	118.6	122.0	125.4	128.8	132.2	135.5	138.9	140.6
0.0	12.5°	108.4	113.5	116.9	120.3	125.4	130.5	133.9	138.9	142.3	145.7
0.0	15°	106.7	110.1	115.2	118.6	125.4	132.2	137.2	144.0	150.8	155.9
0.0	17.5°	101.7	108.4	113.5	118.6	125.4	133.9	140.6	147.4	157.6	167.7
0.0	20°	94.9	100.0	106.7	111.8	122.0	130.5	140.6	149.1	164.4	179.6
0.0	22.5°	88.1	94.9	100.0	106.7	118.6	128.8	140.6	150.8	176.2	199.9
0.0	25°	81.3	89.8	96.6	103.4	116.9	130.5	144.0	157.6	199.9	242.3
0.0	27.5°	77.9	84.7	93.2	100.0	116.9	135.5	152.5	169.4	237.2	303.3
0.0	30°	72.9	81.3	88.1	96.6	118.6	140.6	162.7	184.7	288.0	391.4
0.0	32.5°	67.8	76.2	84.7	93.2	122.0	150.8	177.9	206.7	342.3	476.1
0.0	35°	62.7	72.9	81.3	89.8	127.1	166.0	203.3	240.6	391.4	540.5
0.0	37.5°	61.0	71.2	79.6	88.1	128.8	167.7	208.4	247.4	396.5	545.6
0.0	40°	62.7	71.2	81.3	89.8	123.7	157.6	189.8	223.7	379.5	533.7
0.0	42.5°	62.7	72.9	83.0	93.2	120.3	147.4	174.5	201.6	374.5	547.3
0.0	45°	61.0	71.2	81.3	91.5	116.9	140.6	166.0	189.8	404.9	618.4
0.0	47.5°	59.3	69.5	79.6	89.8	115.2	140.6	166.0	191.5	523.6	854.0
0.0	50°	59.3	69.5	77.9	86.4	116.9	149.1	179.6	210.1	762.5	1313.1
0.0	52.5°	62.7	71.2	77.9	84.7	120.3	157.6	193.2	228.7	969.2	1707.9
0.0	55°	67.8	72.9	79.6	84.7	128.8	171.1	215.2	257.5	1031.9	1806.2
0.0	57.5°	74.6	79.6	84.7	89.8	144.0	198.2	250.8	305.0	1036.9	1767.2
0.0	60°	83.0	89.8	94.9	100.0	157.6	216.9	274.5	332.1	938.7	1543.5
0.0	62.5°	101.7	110.1	116.9	125.4	181.3	235.5	291.4	345.6	779.4	1213.2
0.0	65°	116.9	123.7	130.5	137.2	191.5	247.4	301.6	355.8	660.8	965.8
0.0	67.5°	120.3	127.1	132.2	138.9	194.8	250.8	305.0	360.9	565.9	769.2
	70°	122.0	130.5	140.6	149.1	206.7	264.3	320.2	377.8	501.5	625.2
	72.5°	116.9	133.9	149.1	164.4	218.6	271.1	325.3	377.8	465.9	554.1
	75°	116.9	140.6	162.7	184.7	225.3	264.3	305.0	344.0	411.7	479.5
	77.5°	123.7	154.2	184.7	215.2	238.9	260.9	284.7	306.7	350.7	394.8
	80°	123.7	155.9	186.4	218.6	228.7	240.6	250.8	260.9	266.0	271.1
	82.5°	106.7	132.2	157.6	183.0	171.1	159.3	147.4	135.5	127.1	116.9
	85°	54.2	59.3	62.7	66.1	61.0	55.9	50.8	45.7	42.4	37.3
	87.5°	22.0	22.0	20.3	20.3	20.3	20.3	18.6	18.6	18.6	18.6
	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: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
98.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
501.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
679.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
848.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
964.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1050.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1136.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1306.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1645.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2507.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3841.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4835.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4945.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4462.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3815.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2982.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2253.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1663.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1177.6											
876.0											
637.1											
479.5											
269.4											
122.0											
35.6											
16.9											
0.0											
0.0											
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REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	127.1	125.4	125.4	123.7	122.0	120.3	118.6	116.9	115.2	113.5
0.0	5°	132.2	132.2	132.2	130.5	130.5	128.8	128.8	127.1	125.4	123.7
0.0	7.5°	137.2	138.9	138.9	140.6	140.6	140.6	140.6	138.9	138.9	138.9
0.0	10°	145.7	147.4	149.1	150.8	152.5	154.2	154.2	155.9	155.9	155.9
0.0	12.5°	155.9	161.0	164.4	169.4	172.8	177.9	181.3	186.4	189.8	193.2
0.0	15°	171.1	179.6	189.8	198.2	206.7	218.6	232.1	244.0	255.8	274.5
0.0	17.5°	193.2	220.3	247.4	272.8	299.9	359.2	418.5	476.1	535.4	621.8
0.0	20°	235.5	316.8	396.5	477.8	557.4	765.8	972.6	1181.0	1387.7	1609.6
0.0	22.5°	330.4	530.3	730.3	930.2	1130.1	1565.6	1999.3	2434.8	2868.5	3378.5
0.0	25°	479.5	847.2	1214.8	1580.8	1948.5	2629.6	3312.4	3993.6	4674.7	5337.2
0.0	27.5°	698.1	1260.6	1823.1	2383.9	2946.5	3869.9	4795.0	5718.4	6641.8	7390.7
0.0	30°	967.5	1729.9	2492.4	3254.8	4017.3	5067.8	6118.3	7167.1	8217.6	9035.9
0.0	32.5°	1221.6	2155.2	3088.8	4020.7	4954.3	6150.5	7348.4	8544.6	9740.8	10635.4
0.0	35°	1387.7	2516.1	3646.2	4774.7	5903.1	7197.6	8492.1	9784.9	11079.3	12101.0
0.0	37.5°	1553.7	2856.7	4157.9	5460.9	6762.1	8183.7	9605.2	11026.8	12448.4	13710.7
0.0	40°	1740.1	3268.4	4795.0	6323.3	7849.9	9534.1	11216.6	12900.8	14583.2	16364.0
0.0	42.5°	2063.7	3951.2	5840.4	7727.9	9615.4	11843.5	14071.5	16297.9	18526.0	21067.5
0.0	45°	2672.0	5332.1	7993.9	10654.0	13314.2	16265.7	19219.0	22170.5	25122.1	28504.0
0.0	47.5°	4161.3	7821.1	11479.2	15139.0	18797.1	21984.1	25169.5	28356.6	31542.0	34910.3
0.0	50°	6367.4	10626.9	14886.5	19144.4	23404.0	26287.8	29169.9	32053.6	34935.7	38139.7
0.0	52.5°	7963.4	12400.9	16840.1	21277.6	25715.1	28317.6	30921.8	33524.3	36126.9	39120.8
0.0	55°	8083.7	12495.8	16909.6	21321.7	25733.7	28348.1	30962.5	33576.9	36191.2	39364.7
0.0	57.5°	7156.9	11533.4	15908.2	20284.7	24659.5	27636.5	30611.8	33588.7	36564.0	39995.0
0.0	60°	6087.8	10466.0	14842.5	19220.7	23597.2	27026.5	30457.6	33886.9	37316.3	40530.5
0.0	62.5°	4749.3	9252.8	13758.1	18261.7	22765.2	26247.1	29729.0	33209.2	36691.1	39102.1
0.0	65°	3539.5	7912.6	12285.7	16657.1	21030.2	23819.1	26608.0	29395.2	32184.1	33676.8
0.0	67.5°	2558.5	6330.1	10100.0	13871.6	17641.5	19637.5	21633.4	23627.7	25623.6	26765.6
	70°	1729.9	4342.6	6953.6	9566.3	12177.3	13817.4	15459.2	17099.3	18739.5	20281.3
	72.5°	1197.9	2665.2	4134.2	5601.5	7068.8	8719.1	10367.7	12018.0	13666.6	15298.3
	75°	794.6	1462.2	2131.5	2799.1	3466.6	4688.3	5911.6	7133.2	8354.8	9327.4
	77.5°	564.2	764.2	965.8	1165.7	1365.6	1594.4	1824.8	2053.5	2282.3	2629.6
	80°	267.7	293.1	318.5	342.3	367.7	450.7	533.7	616.7	699.8	787.9
	82.5°	127.1	137.2	147.4	155.9	166.0	174.5	183.0	191.5	199.9	191.5
	85°	33.9	33.9	35.6	35.6	35.6	35.6	35.6	35.6	35.6	33.9
	87.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	13.6	13.6	11.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
98.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
706.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1833.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3888.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5999.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8139.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9856.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11531.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13122.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14974.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18144.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23609.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31885.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38278.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41343.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42114.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42540.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43426.1	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43742.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41514.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35171.2	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27909.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21821.5											
16929.9											
10299.9											
2977.0											
876.0											
181.3											
32.2											
11.9											
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°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	2.5°	110.1	108.4	106.7	105.0	103.4	100.0	100.0	98.3	98.3
0.0	5°	120.3	118.6	116.9	115.2	115.2	113.5	111.8	111.8	110.1
0.0	7.5°	137.2	135.5	133.9	132.2	132.2	130.5	130.5	128.8	128.8
0.0	10°	157.6	157.6	157.6	157.6	157.6	155.9	155.9	155.9	154.2
0.0	12.5°	198.2	199.9	203.3	206.7	211.8	211.8	211.8	210.1	210.1
0.0	15°	313.5	332.1	345.6	359.2	371.1	398.2	394.8	389.7	386.3
0.0	17.5°	793.0	877.7	923.4	967.5	1013.2	1138.6	1118.3	1097.9	1079.3
0.0	20°	2055.2	2277.2	2424.6	2572.0	2721.1	2956.6	2899.0	2841.4	2783.8
0.0	22.5°	4396.8	4906.8	5128.8	5350.7	5571.0	5855.7	5671.0	5486.3	5303.3
0.0	25°	6660.5	7323.0	7697.4	8071.9	8444.6	8607.3	8366.7	8124.4	7883.8
0.0	27.5°	8888.5	9637.4	9967.8	10296.5	10626.9	10967.5	10669.3	10369.4	10071.2
0.0	30°	10674.4	11492.8	11850.3	12206.1	12563.6	12800.8	12492.4	12182.4	11874.0
0.0	32.5°	12426.3	13321.0	13712.3	14103.7	14493.4	14834.0	14454.5	14073.2	13693.7
0.0	35°	14142.7	15164.4	15703.2	16242.0	16780.8	17097.6	16647.0	16194.6	15743.9
0.0	37.5°	16236.9	17499.2	18102.4	18705.6	19308.8	19886.5	19390.1	18892.0	18395.5
0.0	40°	19925.5	21706.3	22631.4	23558.2	24483.3	25228.8	24601.9	23975.0	23348.1
0.0	42.5°	26150.5	28692.1	30022.1	31350.5	32680.6	33844.6	33185.5	32526.4	31867.3
0.0	45°	35267.8	38649.7	40271.2	41891.0	43512.5	44363.1	43414.2	42463.7	41514.9
0.0	47.5°	41645.3	45013.7	46457.3	47900.9	49344.4	50315.3	49154.7	47994.1	46835.1
0.0	50°	44546.1	47750.1	49198.7	50645.7	52094.4	52865.3	51525.1	50183.1	48842.9
0.0	52.5°	45106.9	48100.8	49829.0	51559.0	53287.2	54317.4	52734.8	51150.6	49568.1
0.0	55°	45713.5	48887.0	50891.4	52897.5	54901.9	56328.5	54539.3	52748.4	50959.2
0.0	57.5°	46855.5	50286.5	52285.8	54283.5	56282.8	57494.3	55699.9	53903.9	52109.6
0.0	60°	46957.1	50169.6	51887.7	53607.4	55325.5	56087.9	54371.6	52653.5	50937.1
0.0	62.5°	43925.9	46337.0	47529.8	48722.6	49915.4	50744.0	48953.1	47160.4	45369.5
0.0	65°	36664.0	38156.7	39107.2	40057.7	41008.3	41996.1	40355.9	38715.8	37075.7
0.0	67.5°	29051.3	30193.3	31445.4	32697.5	33949.6	35005.2	33692.1	32377.3	31064.1
	70°	23363.3	24903.5	26311.5	27719.5	29127.5	29991.6	28673.4	27353.5	26035.3
	72.5°	18561.6	20193.2	21369.1	22543.3	23719.2	23930.9	22961.8	21992.6	21025.1
	75°	11270.8	12243.3	12267.1	12289.1	12312.8	12514.4	11711.3	10908.2	10106.8
	77.5°	3324.3	3671.6	3958.0	4242.6	4529.0	4874.6	4579.8	4283.3	3988.5
	80°	962.4	1050.5	1125.0	1197.9	1272.5	1228.4	1158.9	1089.5	1020.0
	82.5°	172.8	162.7	161.0	159.3	159.3	150.8	137.2	123.7	110.1
	85°	30.5	28.8	27.1	25.4	23.7	22.0	18.6	16.9	13.6
	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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CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.0	0.0	2.5°	96.6	94.9	94.9	94.9	94.9	93.2	93.2	93.2	93.2
0.0	0.0	5°	106.7	106.7	105.0	105.0	103.4	103.4	101.7	101.7	100.0
0.0	0.0	7.5°	125.4	123.7	122.0	120.3	118.6	115.2	113.5	111.8	111.8
0.0	0.0	10°	150.8	147.4	145.7	142.3	140.6	137.2	133.9	130.5	127.1
0.0	0.0	12.5°	198.2	191.5	186.4	179.6	172.8	167.7	161.0	155.9	149.1
0.0	0.0	15°	344.0	327.0	308.4	286.3	262.6	240.6	216.9	203.3	188.1
0.0	0.0	17.5°	879.4	791.3	701.5	628.6	555.7	484.6	411.7	359.2	306.7
0.0	0.0	20°	2238.2	1994.2	1750.3	1509.7	1267.4	1026.8	784.5	662.5	540.5
0.0	0.0	22.5°	4212.1	3759.8	3305.7	2866.8	2426.3	1987.5	1548.6	1272.5	998.0
0.0	0.0	25°	6501.2	5931.9	5362.6	4640.8	3917.3	3195.5	2473.7	2024.7	1575.7
0.0	0.0	27.5°	8459.9	7804.2	7148.4	6270.8	5393.1	4515.4	3637.8	2968.5	2300.9
0.0	0.0	30°	10155.9	9451.1	8746.2	7724.5	6702.8	5681.1	4659.5	3822.4	2985.4
0.0	0.0	32.5°	11626.6	10782.8	9939.0	8885.2	7831.3	6777.4	5723.5	4696.7	3670.0
0.0	0.0	35°	13322.6	12338.2	11352.1	10183.0	9012.2	7843.1	6674.0	5515.1	4354.5
0.0	0.0	37.5°	15477.9	14269.8	13060.0	11757.1	10454.1	9152.9	7849.9	6524.9	5199.9
0.0	0.0	40°	19603.6	18044.8	16486.0	14830.6	13173.5	11518.2	9862.8	8236.2	6609.6
0.0	0.0	42.5°	26996.0	24889.9	22783.9	20581.2	18376.9	16174.2	13969.9	11675.7	9379.9
0.0	0.0	45°	35339.0	32726.3	30111.9	27639.9	25166.1	22694.1	20222.0	17073.9	13925.8
0.0	0.0	47.5°	40030.6	37209.5	34388.5	32048.6	29708.7	27368.8	25028.9	21635.1	18241.3
0.0	0.0	50°	41757.2	38885.2	36013.3	33859.8	31704.6	29551.1	27395.9	23997.0	20596.5
0.0	0.0	52.5°	42124.8	39195.3	36265.8	34098.7	31931.7	29766.3	27599.2	24222.4	20845.5
0.0	0.0	55°	42880.5	39737.5	36592.8	34122.4	31652.1	29181.7	26711.4	23280.3	19849.3
0.0	0.0	57.5°	43868.3	40645.7	37423.0	34608.7	31794.4	28981.8	26167.5	22416.2	18664.9
0.0	0.0	60°	43609.1	40804.9	37999.1	34984.9	31968.9	28954.7	25938.7	21813.0	17685.6
0.0	0.0	62.5°	39108.9	36875.8	34640.9	32162.1	29681.6	27202.7	24723.9	20476.2	16228.4
0.0	0.0	65°	32173.9	30544.0	28914.0	26919.8	24923.8	22929.6	20935.3	17126.5	13319.3
0.0	0.0	67.5°	26076.0	24239.3	22401.0	20811.7	19220.7	17631.4	16040.4	13043.1	10045.8
		70°	20716.8	18719.1	16719.8	15167.8	13614.1	12062.1	10510.0	8517.5	6526.6
		72.5°	16452.1	14651.0	12849.9	11194.5	9537.5	7882.1	6225.0	5047.5	3869.9
		75°	7863.5	7143.4	6423.3	5557.5	4691.6	3825.8	2960.0	2446.6	1934.9
		77.5°	2914.3	2526.3	2136.6	1784.1	1431.7	1081.0	728.6	667.6	606.6
		80°	754.0	657.4	559.1	489.7	418.5	349.0	279.6	252.5	227.0
		82.5°	86.4	79.6	74.6	71.2	66.1	62.7	57.6	52.5	47.4
		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



REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	98.3	98.3
0.0	0.0	2.5°	91.5	89.8
0.0	0.0	5°	96.6	94.9
0.0	0.0	7.5°	106.7	103.4
0.0	0.0	10°	116.9	113.5
0.0	0.0	12.5°	132.2	127.1
0.0	0.0	15°	149.1	138.9
0.0	0.0	17.5°	177.9	155.9
0.0	0.0	20°	240.6	184.7
0.0	0.0	22.5°	338.9	230.4
0.0	0.0	25°	498.1	318.5
0.0	0.0	27.5°	693.0	423.6
0.0	0.0	30°	921.7	530.3
0.0	0.0	32.5°	1123.4	632.0
0.0	0.0	35°	1386.0	735.3
0.0	0.0	37.5°	1709.6	867.5
0.0	0.0	40°	2211.1	1067.4
0.0	0.0	42.5°	3114.2	1436.8
0.0	0.0	45°	5057.6	2483.9
0.0	0.0	47.5°	7782.1	4108.8
0.0	0.0	50°	9520.5	5244.0
0.0	0.0	52.5°	9662.9	5235.5
0.0	0.0	55°	8820.8	4654.4
0.0	0.0	57.5°	7526.3	3890.2
0.0	0.0	60°	6255.5	3076.9
0.0	0.0	62.5°	4928.9	2124.7
0.0	0.0	65°	3602.2	1502.9
0.0	0.0	67.5°	2587.3	1123.4
		70°	1701.1	860.7
		72.5°	1108.1	701.5
		75°	745.5	581.2
		77.5°	435.4	386.3
		80°	154.2	135.5
		82.5°	28.8	20.3
		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: P1049129

CATALOG NUMBER: GALN-SA8A-827-U-RBC

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-8

Test Date: 10/10/2024

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

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

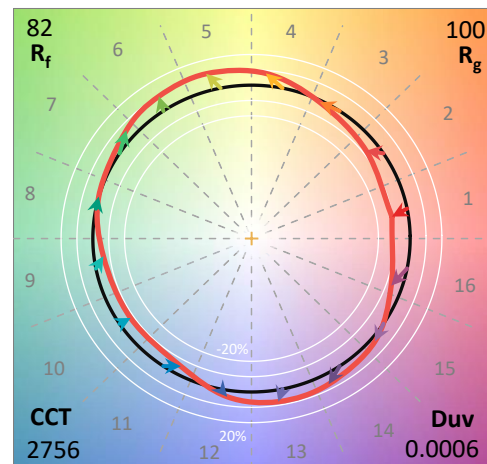
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

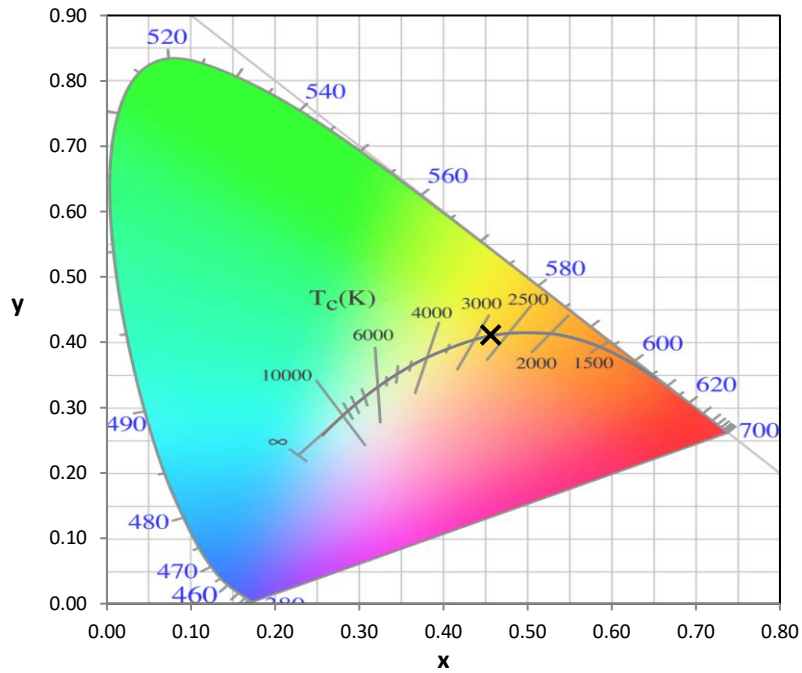
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

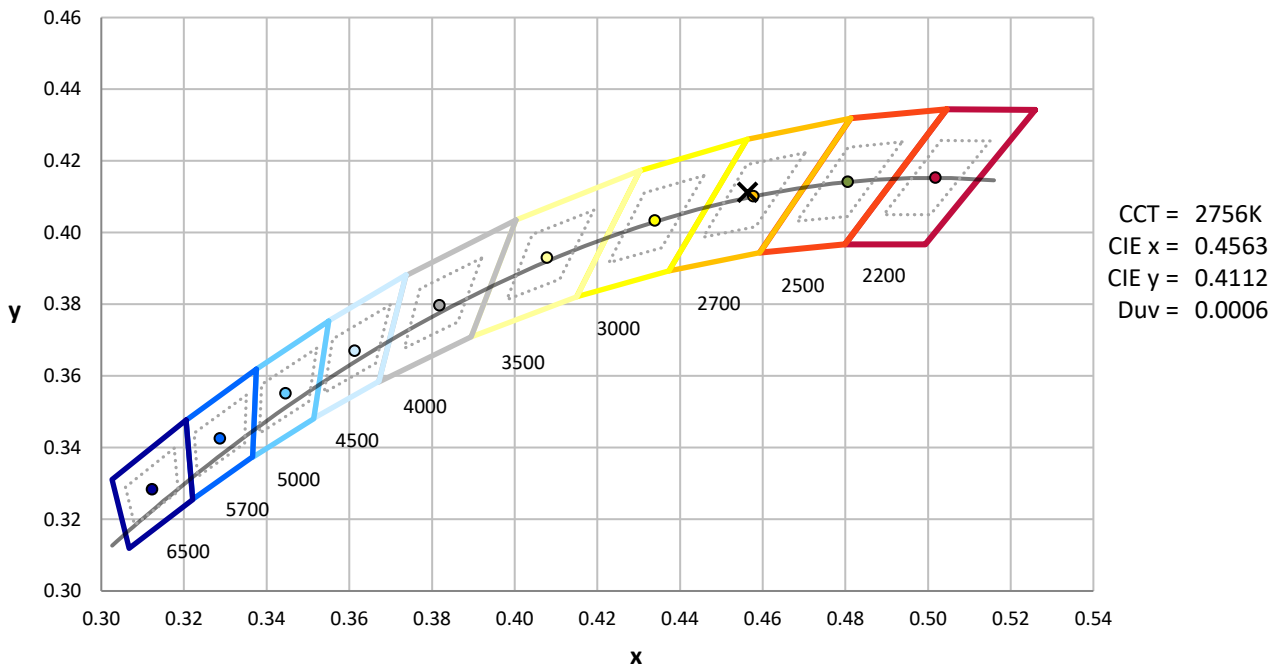
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram

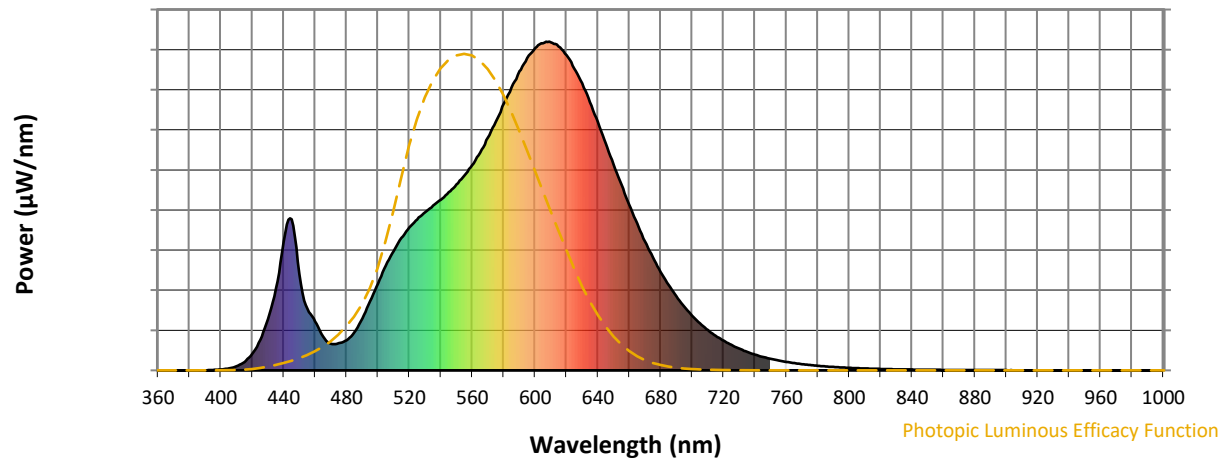


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

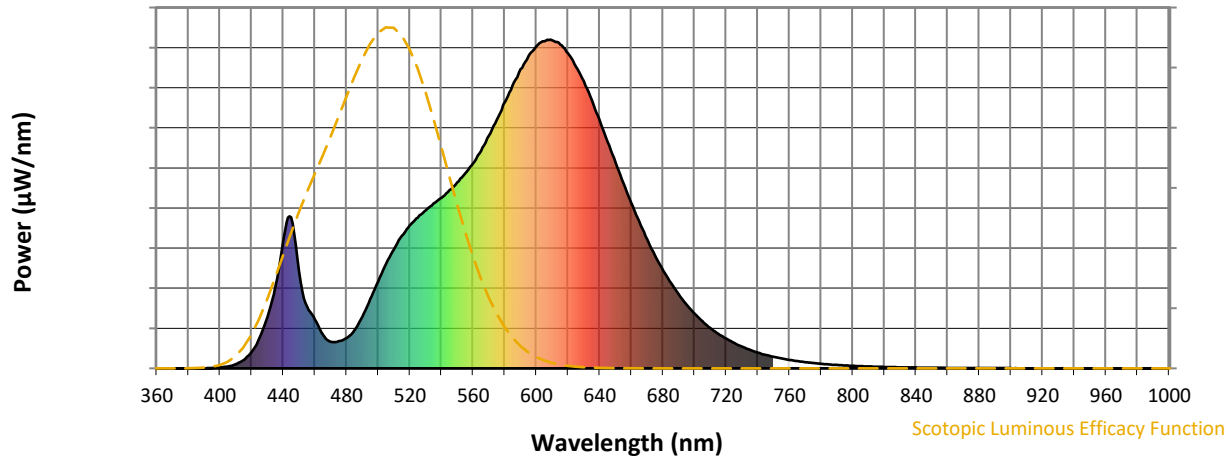


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength



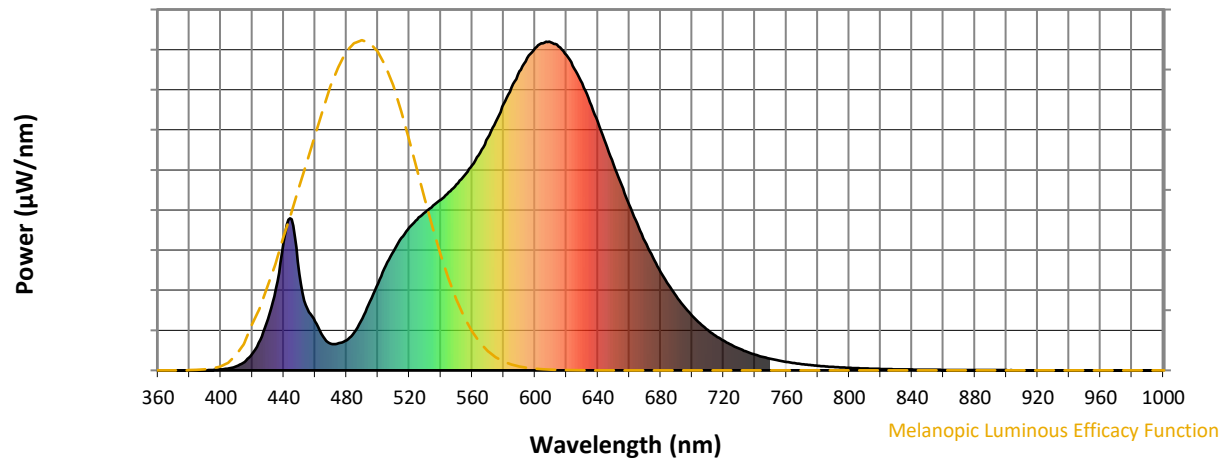
Scotopic Lumens: NR

S/P: 1.2

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

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

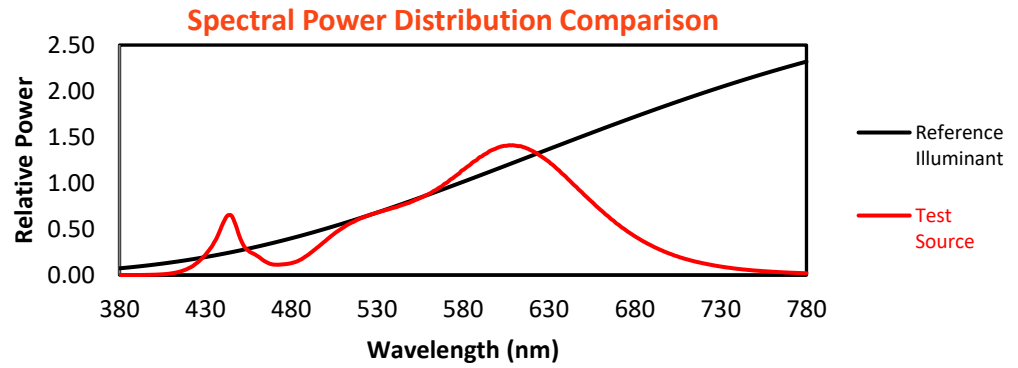
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959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

REPORT NUMBER: SP1-2407-184-8

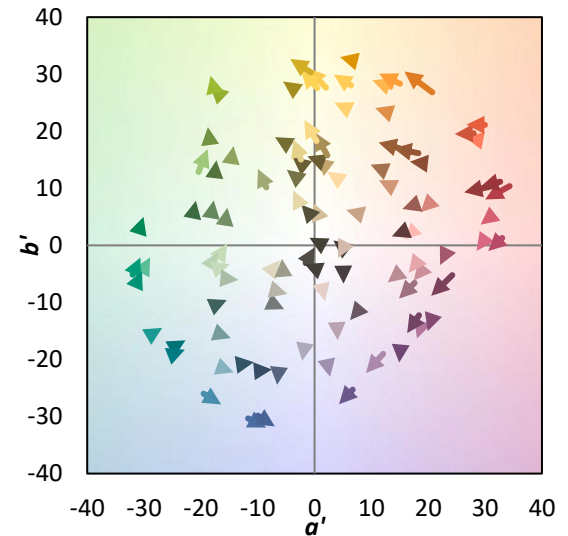
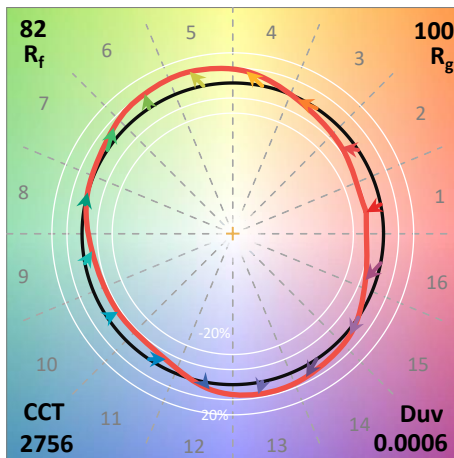
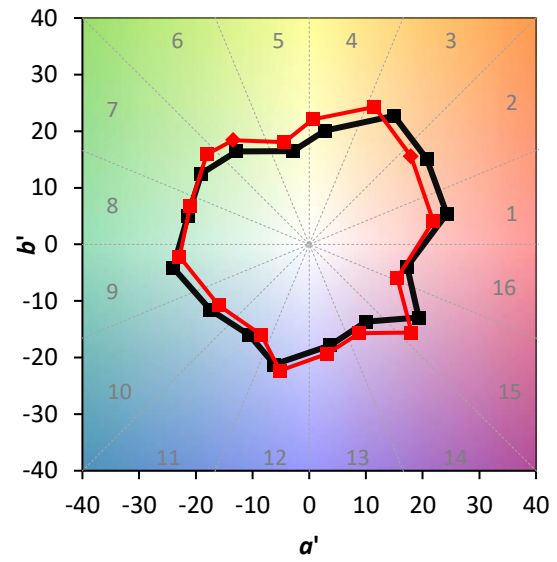
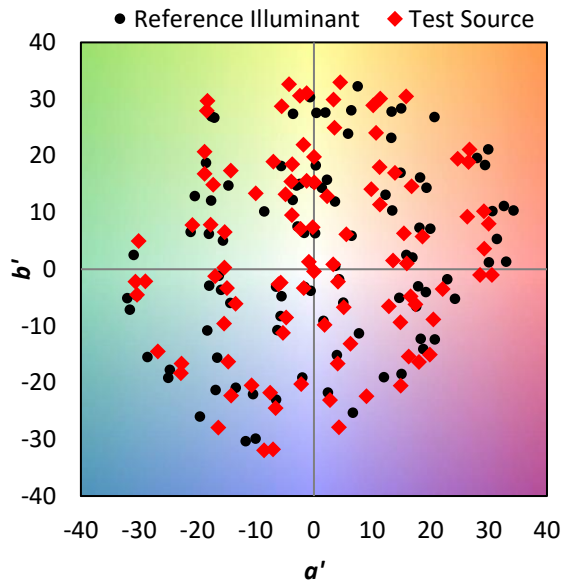
TM-30-18

Summary

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

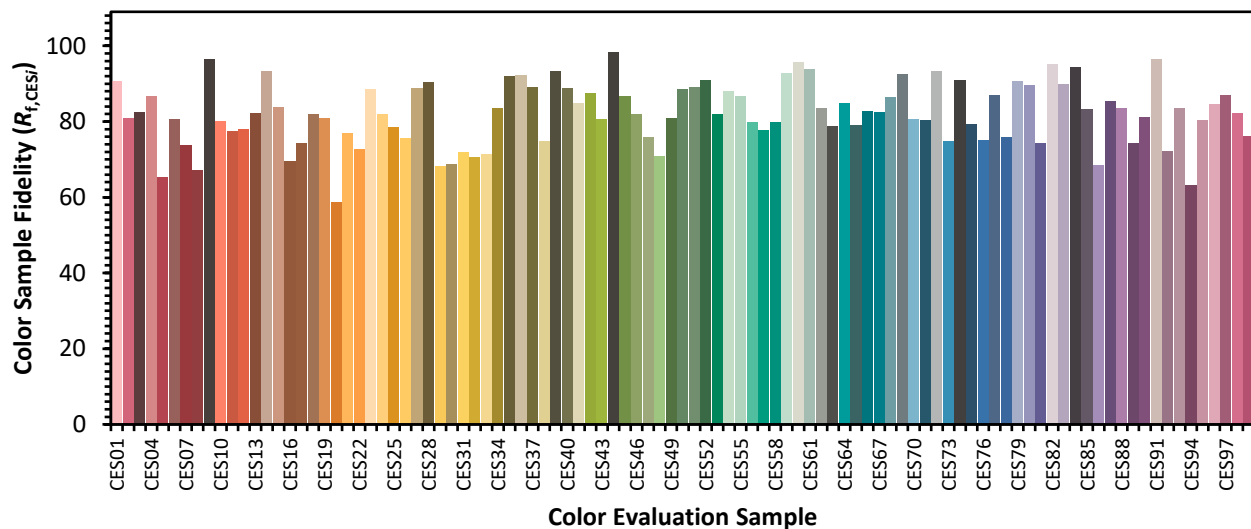


Color Vector Graphics

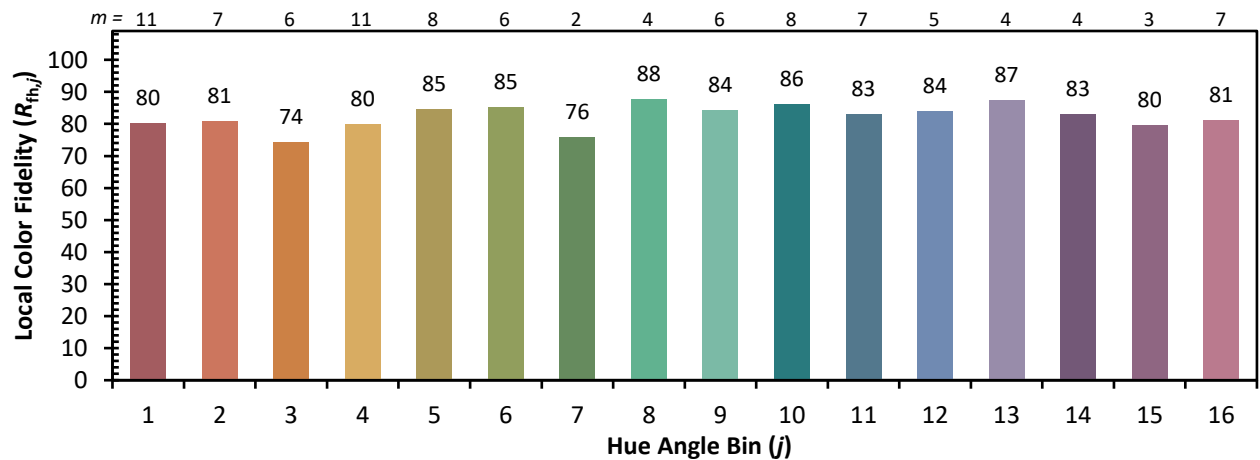
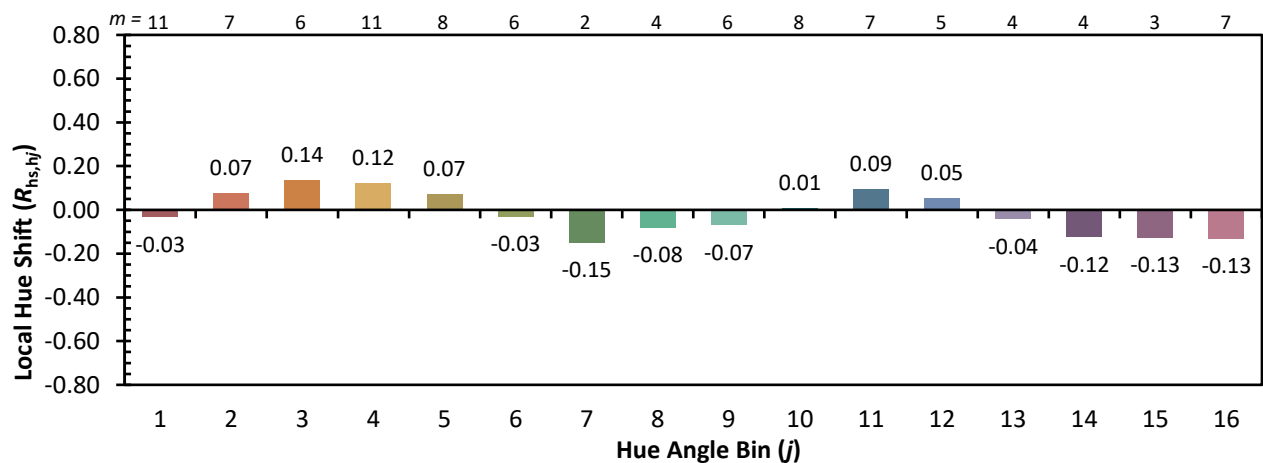
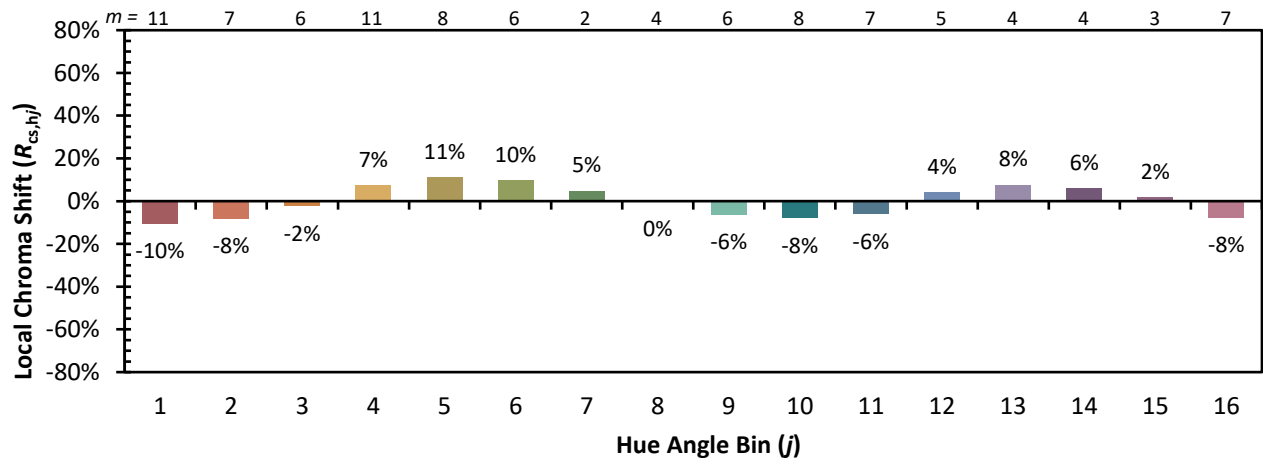


Individual Sample Fidelity Index ($R_{f,i}$)

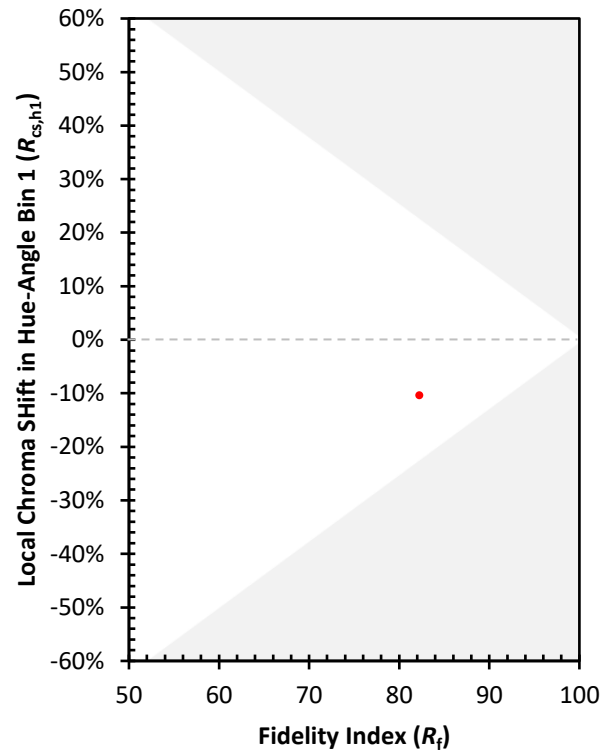
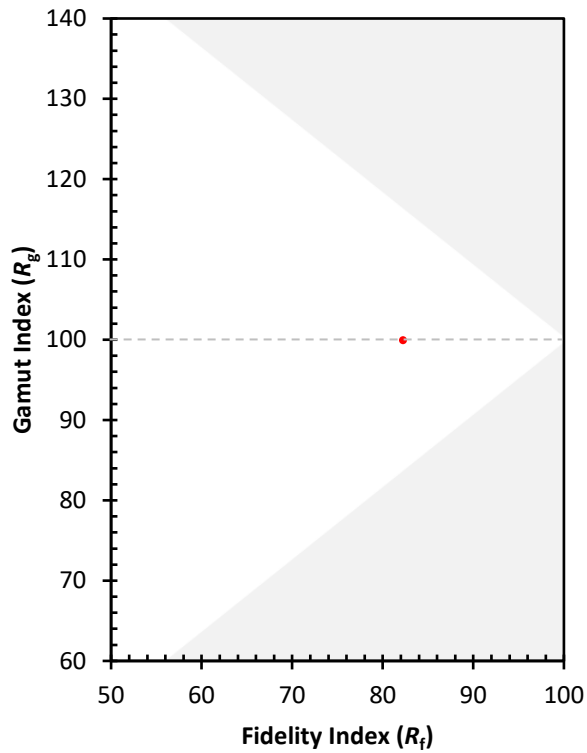
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)