

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: P1049270

Luminaire Tested: **GALN-SA7B-850-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049270
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-850-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
80CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25952 lumens
Efficiency: N/A
Efficacy: 104.0 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

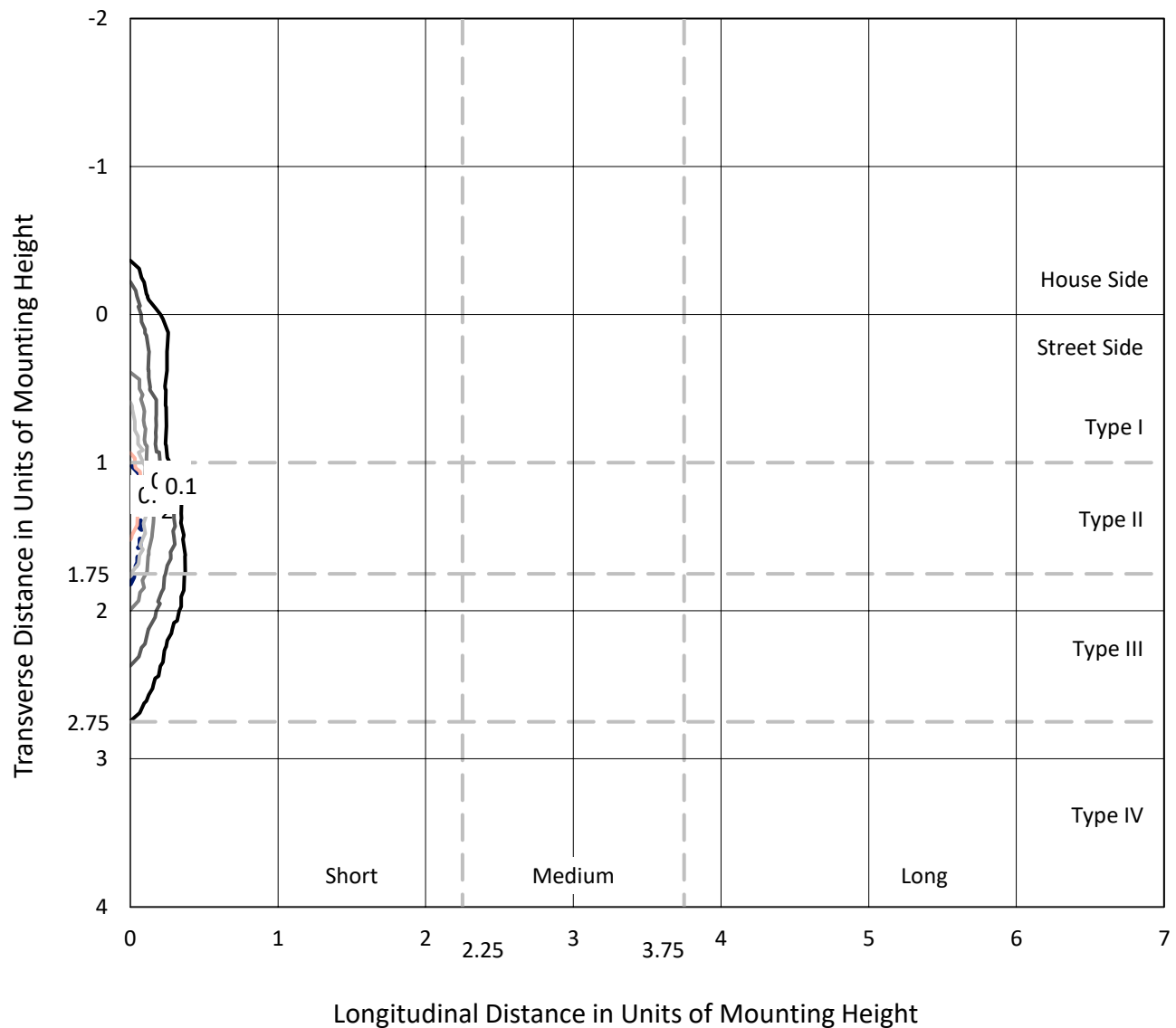
Input Watts (W): 249.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

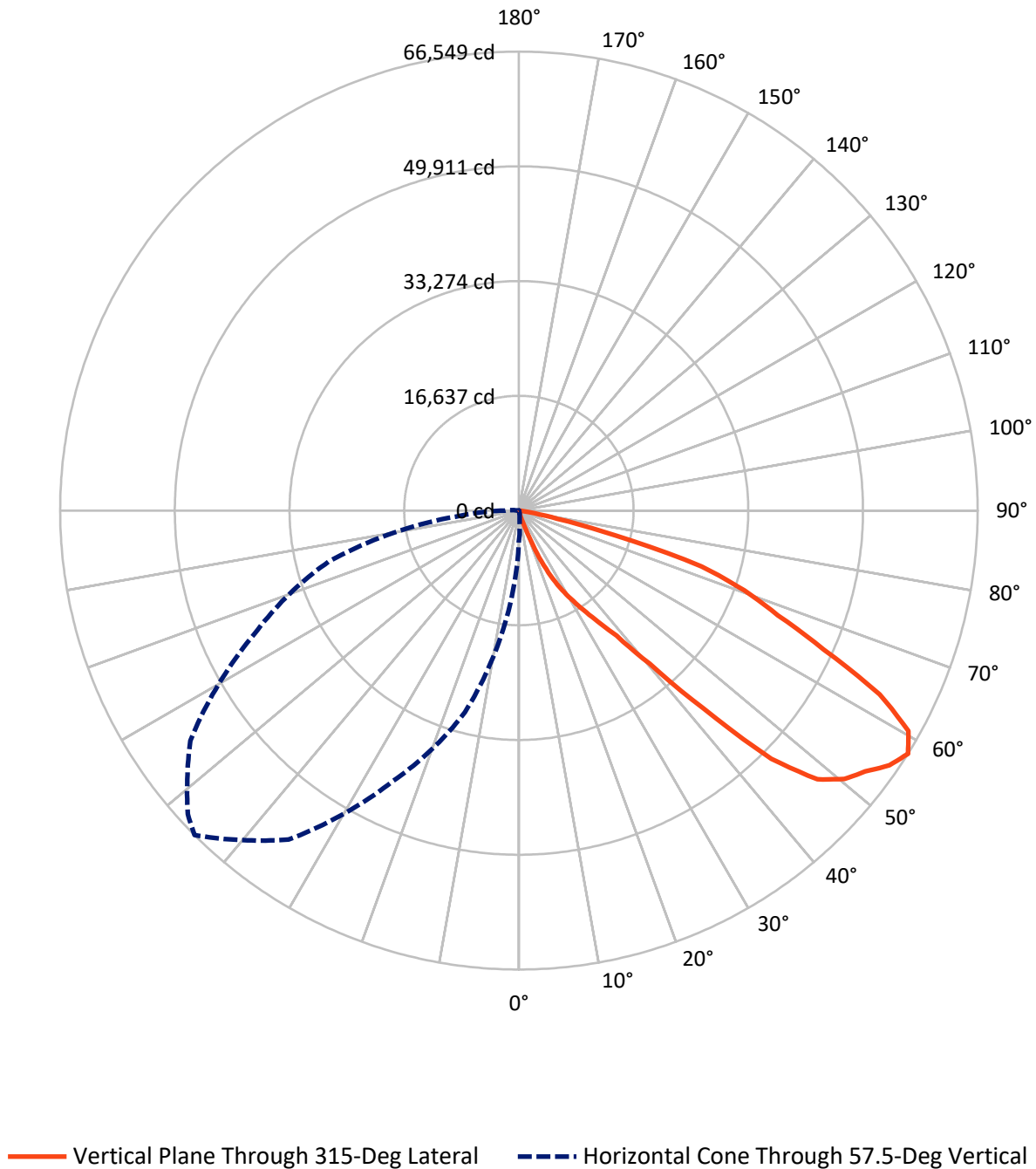
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 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	130.0	0.0	130.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	25822.1	0.0	25822.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	25952.0	0.0	25952.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.0
10°-20°	57.0	0.2
20°-30°	615.0	2.4
30°-40°	1818.7	7.0
40°-50°	5420.4	20.9
50°-60°	8594.7	33.1
60°-70°	7174.5	27.6
70°-80°	2212.3	8.5
80°-90°	49.2	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°	25952.0	100.0
0°-180°	25952.0	100.0



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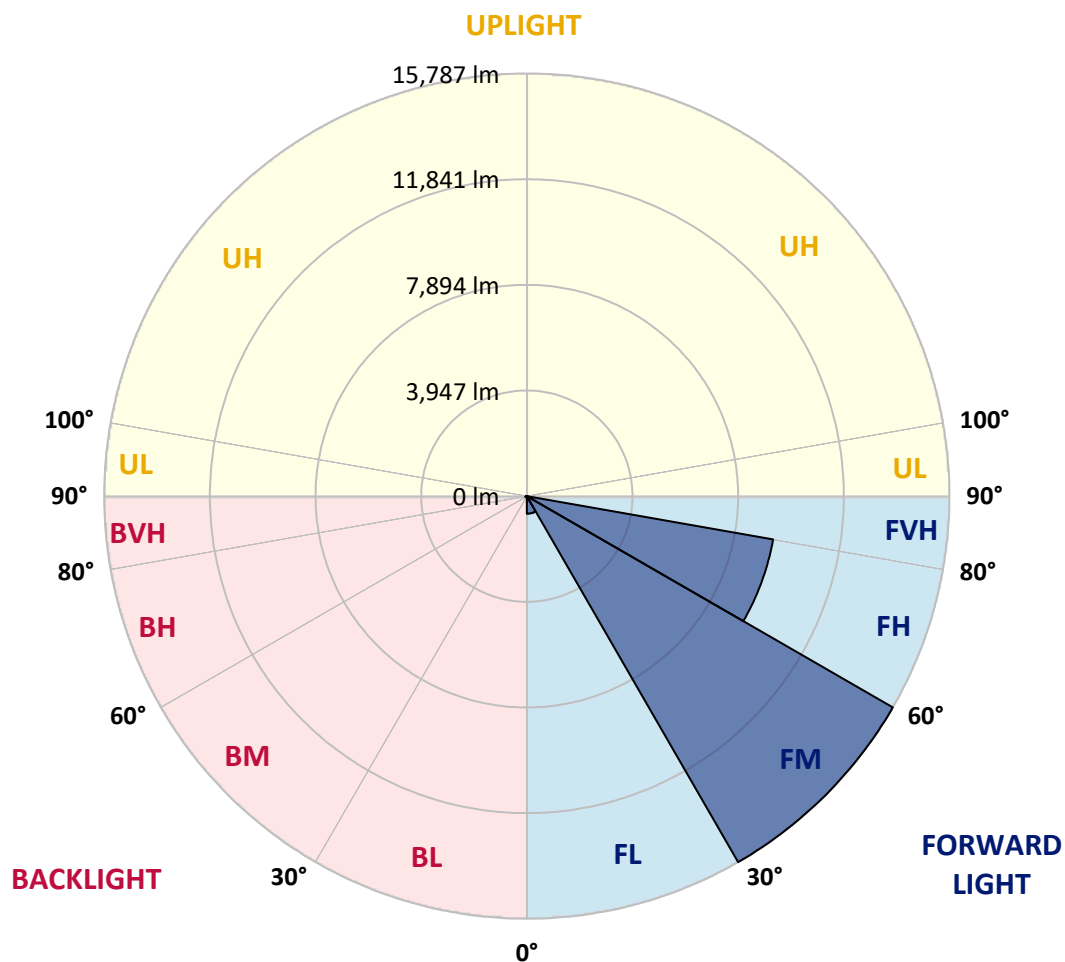
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.3	2.5			
FM	(30°-60°)	15787.3	60.8			
FH	(60°-80°)	9338.4	36.0			G4/12000
FVH	(80°-90°)	38.0	0.1			G1/100
BL	(0°-30°)	23.9	0.1	B0/110		
BM	(30°-60°)	46.5	0.2	B0/220		
BH	(60°-80°)	48.5	0.2	B0/110		G0/110
BVH	(80°-90°)	11.2	0.0			G1/100
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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
2.5°	103.9	103.9	103.9	103.9	102.0	102.0	100.0	100.0	98.1	98.1
5°	109.8	109.8	107.9	105.9	105.9	103.9	102.0	100.0	100.0	98.1
7.5°	119.6	117.7	115.7	113.7	109.8	107.9	103.9	102.0	100.0	96.1
10°	131.4	127.5	123.6	119.6	115.7	111.8	107.9	105.9	102.0	100.0
12.5°	147.1	141.2	133.4	127.5	123.6	117.7	113.7	109.8	103.9	100.0
15°	160.8	153.0	143.2	135.3	129.4	121.6	115.7	109.8	105.9	100.0
17.5°	180.4	166.7	151.0	141.2	133.4	123.6	113.7	107.9	102.0	94.1
20°	213.8	186.3	156.9	145.1	133.4	121.6	109.8	102.0	96.1	88.3
22.5°	266.7	219.7	172.6	154.9	139.2	121.6	105.9	98.1	90.2	82.4
25°	368.7	284.4	200.0	176.5	153.0	129.4	105.9	96.1	88.3	78.4
27.5°	490.3	364.8	237.3	204.0	172.6	139.2	105.9	94.1	84.3	72.6
30°	613.8	447.1	278.5	235.3	192.2	149.0	105.9	92.2	80.4	66.7
32.5°	731.5	523.6	313.8	262.8	211.8	158.9	107.9	92.2	76.5	60.8
35°	851.1	586.4	319.7	266.7	213.8	158.9	105.9	88.3	72.6	54.9
37.5°	1004.1	657.0	307.9	255.0	204.0	151.0	100.0	84.3	68.6	51.0
40°	1235.5	774.7	313.8	258.9	204.0	149.0	94.1	78.4	64.7	49.0
42.5°	1663.1	1002.2	339.3	276.5	213.8	149.0	86.3	72.6	60.8	47.1
45°	2875.1	1665.0	455.0	360.9	266.7	172.6	78.4	66.7	56.9	45.1
47.5°	4755.8	2786.8	817.8	631.5	447.1	260.8	76.5	66.7	56.9	45.1
50°	6069.8	3549.7	1029.6	792.3	555.0	317.7	80.4	68.6	58.8	47.1
52.5°	6060.0	3604.6	1147.3	880.6	615.8	349.1	84.3	72.6	62.8	51.0
55°	5387.3	3279.1	1168.9	898.2	629.5	358.9	90.2	78.4	66.7	54.9
57.5°	4502.9	2784.9	1066.9	825.7	586.4	345.2	103.9	90.2	78.4	64.7
60°	3561.5	2196.5	831.5	657.0	484.4	309.9	137.3	119.6	103.9	86.3
62.5°	2459.3	1592.5	725.6	582.5	441.3	298.1	156.9	139.2	123.6	105.9
65°	1739.6	1198.3	655.0	533.4	413.8	292.2	170.6	151.0	133.4	113.7
67.5°	1300.3	953.1	604.0	500.1	396.2	292.2	188.3	164.7	143.2	119.6
70°	996.3	782.5	566.8	482.4	400.1	315.7	231.4	198.1	166.7	133.4
72.5°	811.9	668.8	523.6	462.8	402.0	341.2	280.4	237.3	194.2	149.0
75°	672.7	572.7	472.6	421.7	372.6	321.6	270.6	231.4	194.2	154.9
77.5°	447.1	407.9	366.7	337.3	307.9	276.5	247.1	213.8	182.4	149.0
80°	156.9	151.0	145.1	156.9	168.7	180.4	192.2	168.7	147.1	123.6
82.5°	23.5	21.6	19.6	21.6	23.5	25.5	27.5	29.4	31.4	33.3
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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	96.1	96.1	94.1	94.1	94.1	92.2	92.2	90.2	90.2	90.2
0.0	5°	94.1	94.1	92.2	90.2	88.3	88.3	86.3	84.3	84.3	82.4
0.0	7.5°	92.2	90.2	88.3	86.3	84.3	82.4	80.4	78.4	78.4	76.5
0.0	10°	94.1	90.2	88.3	84.3	82.4	80.4	76.5	74.5	72.6	72.6
0.0	12.5°	90.2	88.3	84.3	80.4	78.4	74.5	72.6	68.6	66.7	66.7
0.0	15°	90.2	86.3	80.4	76.5	72.6	70.6	66.7	62.8	60.8	58.8
0.0	17.5°	84.3	80.4	74.5	70.6	66.7	62.8	58.8	54.9	53.0	51.0
0.0	20°	76.5	72.6	66.7	60.8	56.9	53.0	49.0	45.1	43.1	41.2
0.0	22.5°	68.6	64.7	58.8	53.0	49.0	45.1	39.2	35.3	33.3	29.4
0.0	25°	64.7	58.8	53.0	47.1	41.2	37.3	31.4	25.5	21.6	17.7
0.0	27.5°	54.9	49.0	43.1	37.3	31.4	25.5	19.6	13.7	9.8	7.8
0.0	30°	47.1	41.2	35.3	29.4	21.6	15.7	9.8	2.0	2.0	2.0
0.0	32.5°	39.2	33.3	25.5	19.6	15.7	9.8	5.9	0.0	0.0	0.0
0.0	35°	31.4	25.5	17.7	11.8	9.8	5.9	3.9	0.0	0.0	0.0
0.0	37.5°	27.5	21.6	13.7	5.9	3.9	3.9	2.0	0.0	0.0	0.0
0.0	40°	25.5	17.7	9.8	2.0	2.0	2.0	0.0	0.0	0.0	0.0
0.0	42.5°	25.5	17.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	25.5	17.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	25.5	17.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	27.5	19.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	31.4	23.5	15.7	7.8	5.9	3.9	2.0	0.0	0.0	0.0
0.0	55°	39.2	35.3	29.4	25.5	19.6	13.7	5.9	0.0	0.0	0.0
0.0	57.5°	51.0	51.0	49.0	47.1	35.3	23.5	11.8	0.0	0.0	0.0
0.0	60°	68.6	68.6	68.6	68.6	51.0	35.3	17.7	0.0	0.0	0.0
0.0	62.5°	84.3	80.4	74.5	70.6	53.0	35.3	17.7	0.0	0.0	0.0
0.0	65°	84.3	76.5	66.7	56.9	43.1	29.4	13.7	0.0	0.0	0.0
0.0	67.5°	78.4	62.8	45.1	29.4	21.6	15.7	7.8	0.0	0.0	0.0
	70°	78.4	54.9	31.4	7.8	5.9	3.9	2.0	0.0	0.0	0.0
	72.5°	78.4	53.0	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	86.3	58.8	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	86.3	58.8	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	76.5	51.0	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	25.5	17.7	7.8	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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	88.3	88.3	88.3	86.3	86.3	86.3	86.3	84.3	84.3	84.3
0.0	5°	80.4	80.4	78.4	78.4	76.5	76.5	74.5	74.5	72.6	72.6
0.0	7.5°	74.5	72.6	72.6	70.6	68.6	68.6	66.7	66.7	64.7	62.8
0.0	10°	68.6	66.7	66.7	64.7	62.8	60.8	60.8	58.8	56.9	54.9
0.0	12.5°	62.8	60.8	58.8	56.9	54.9	53.0	53.0	51.0	49.0	47.1
0.0	15°	54.9	53.0	51.0	49.0	47.1	45.1	45.1	43.1	41.2	39.2
0.0	17.5°	47.1	45.1	45.1	43.1	41.2	39.2	37.3	33.3	31.4	29.4
0.0	20°	35.3	33.3	31.4	29.4	27.5	23.5	21.6	17.7	13.7	11.8
0.0	22.5°	23.5	19.6	17.7	13.7	9.8	7.8	5.9	2.0	0.0	0.0
0.0	25°	7.8	5.9	3.9	2.0	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-SA7B-850-U-RBC

[illegible]

REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	82.4	82.4	82.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
0.0	5°	70.6	70.6	70.6	68.6	68.6	66.7	66.7	66.7	64.7	64.7
0.0	7.5°	60.8	58.8	58.8	56.9	56.9	54.9	54.9	54.9	53.0	53.0
0.0	10°	51.0	49.0	49.0	47.1	47.1	45.1	45.1	43.1	43.1	41.2
0.0	12.5°	45.1	43.1	41.2	39.2	39.2	37.3	35.3	35.3	33.3	31.4
0.0	15°	35.3	33.3	31.4	29.4	27.5	25.5	23.5	23.5	21.6	19.6
0.0	17.5°	23.5	19.6	17.7	15.7	15.7	13.7	11.8	9.8	7.8	5.9
0.0	20°	5.9	3.9	2.0	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



REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	80.4	78.4	78.4	78.4	80.4	80.4	80.4	80.4	80.4	80.4
0.0	5°	64.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
0.0	7.5°	53.0	51.0	51.0	51.0	51.0	49.0	49.0	49.0	49.0	49.0
0.0	10°	41.2	39.2	39.2	39.2	39.2	37.3	37.3	37.3	37.3	37.3
0.0	12.5°	29.4	29.4	27.5	27.5	27.5	25.5	25.5	25.5	25.5	23.5
0.0	15°	17.7	15.7	13.7	13.7	13.7	11.8	11.8	11.8	11.8	9.8
0.0	17.5°	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-SA7B-850-U-RBC

[illegible]

REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	82.4	82.4	84.3	84.3	86.3	90.2	92.2	94.1	98.1	102.0
0.0	5°	64.7	66.7	66.7	68.6	70.6	72.6	74.5	76.5	80.4	84.3
0.0	7.5°	51.0	51.0	53.0	53.0	54.9	58.8	60.8	62.8	66.7	72.6
0.0	10°	39.2	39.2	41.2	41.2	43.1	47.1	49.0	51.0	54.9	60.8
0.0	12.5°	25.5	27.5	27.5	29.4	31.4	35.3	37.3	39.2	43.1	47.1
0.0	15°	11.8	13.7	13.7	15.7	17.7	21.6	23.5	25.5	29.4	35.3
0.0	17.5°	2.0	2.0	3.9	3.9	5.9	7.8	9.8	11.8	17.7	21.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	107.9	111.8	115.7	119.6	123.6	127.5	129.4	133.4	135.3	137.3
0.0	5°	92.2	96.1	102.0	105.9	109.8	113.7	117.7	119.6	121.6	123.6
0.0	7.5°	80.4	84.3	90.2	94.1	98.1	102.0	105.9	109.8	111.8	113.7
0.0	10°	68.6	74.5	78.4	84.3	88.3	92.2	96.1	100.0	103.9	105.9
0.0	12.5°	54.9	60.8	66.7	70.6	76.5	82.4	86.3	90.2	94.1	98.1
0.0	15°	43.1	49.0	54.9	58.8	64.7	70.6	76.5	80.4	84.3	88.3
0.0	17.5°	31.4	37.3	43.1	47.1	53.0	58.8	62.8	68.6	72.6	76.5
0.0	20°	15.7	21.6	27.5	33.3	39.2	45.1	49.0	54.9	58.8	62.8
0.0	22.5°	2.0	7.8	13.7	17.7	23.5	29.4	33.3	39.2	43.1	47.1
0.0	25°	0.0	2.0	5.9	7.8	9.8	13.7	17.7	21.6	25.5	29.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.0	3.9	7.8	11.8	15.7
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	2.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.9
	85°	0.0	0.0	0.0	0.0	0.0	3.9	5.9	9.8	11.8	13.7
	87.5°	0.0	2.0	3.9	5.9	7.8	11.8	15.7	19.6	21.6	23.5
	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: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
113.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.0											
7.8											
17.7											
25.5											
0.0											
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REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	139.2	139.2	139.2	139.2	137.3	137.3	137.3	135.3	135.3	133.4
0.0	5°	127.5	129.4	129.4	129.4	129.4	129.4	129.4	129.4	127.5	127.5
0.0	7.5°	117.7	119.6	121.6	121.6	123.6	123.6	123.6	121.6	121.6	119.6
0.0	10°	111.8	113.7	113.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
0.0	12.5°	103.9	105.9	107.9	107.9	109.8	109.8	109.8	109.8	107.9	107.9
0.0	15°	94.1	98.1	100.0	102.0	102.0	103.9	103.9	103.9	103.9	103.9
0.0	17.5°	86.3	90.2	92.2	94.1	94.1	96.1	96.1	98.1	98.1	98.1
0.0	20°	70.6	74.5	76.5	80.4	82.4	84.3	86.3	88.3	88.3	90.2
0.0	22.5°	54.9	58.8	60.8	64.7	66.7	68.6	70.6	72.6	74.5	76.5
0.0	25°	39.2	43.1	45.1	49.0	51.0	53.0	54.9	56.9	56.9	58.8
0.0	27.5°	21.6	25.5	29.4	31.4	35.3	37.3	39.2	41.2	43.1	45.1
0.0	30°	9.8	11.8	13.7	17.7	19.6	21.6	23.5	27.5	29.4	31.4
0.0	32.5°	0.0	0.0	2.0	5.9	7.8	9.8	11.8	13.7	13.7	15.7
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.9	5.9	7.8
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°	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	82.5°	9.8	11.8	13.7	13.7	15.7	15.7	15.7	15.7	13.7	13.7
	85°	19.6	21.6	23.5	23.5	25.5	25.5	25.5	25.5	25.5	25.5
	87.5°	27.5	29.4	31.4	31.4	33.3	33.3	33.3	33.3	33.3	33.3
	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: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
113.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0	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											
5.9											
13.7											
25.5											
33.3											
0.0											
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REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	131.4	131.4	129.4	129.4	129.4	129.4	129.4	131.4	133.4	133.4
0.0	5°	125.5	125.5	123.6	123.6	123.6	125.5	125.5	127.5	129.4	131.4
0.0	7.5°	119.6	117.7	117.7	119.6	119.6	121.6	121.6	123.6	125.5	127.5
0.0	10°	115.7	113.7	113.7	113.7	115.7	115.7	117.7	119.6	121.6	123.6
0.0	12.5°	107.9	107.9	107.9	107.9	109.8	109.8	111.8	113.7	117.7	119.6
0.0	15°	103.9	102.0	102.0	102.0	102.0	103.9	103.9	107.9	111.8	113.7
0.0	17.5°	96.1	96.1	94.1	94.1	96.1	96.1	98.1	102.0	105.9	107.9
0.0	20°	88.3	86.3	84.3	84.3	86.3	86.3	88.3	92.2	96.1	98.1
0.0	22.5°	76.5	74.5	74.5	74.5	74.5	76.5	76.5	80.4	86.3	90.2
0.0	25°	60.8	62.8	62.8	64.7	64.7	66.7	68.6	72.6	78.4	82.4
0.0	27.5°	47.1	49.0	49.0	53.0	54.9	56.9	58.8	64.7	70.6	74.5
0.0	30°	35.3	37.3	39.2	41.2	45.1	49.0	53.0	58.8	64.7	68.6
0.0	32.5°	21.6	25.5	27.5	31.4	35.3	39.2	43.1	49.0	56.9	62.8
0.0	35°	15.7	17.7	21.6	23.5	27.5	31.4	35.3	43.1	49.0	56.9
0.0	37.5°	7.8	11.8	15.7	19.6	23.5	27.5	31.4	39.2	47.1	53.0
0.0	40°	5.9	9.8	11.8	15.7	21.6	25.5	29.4	37.3	45.1	53.0
0.0	42.5°	3.9	5.9	7.8	13.7	17.7	23.5	29.4	37.3	45.1	53.0
0.0	45°	3.9	3.9	5.9	11.8	17.7	25.5	31.4	39.2	45.1	53.0
0.0	47.5°	3.9	5.9	7.8	15.7	19.6	25.5	31.4	37.3	45.1	51.0
0.0	50°	5.9	7.8	9.8	17.7	21.6	27.5	31.4	39.2	45.1	53.0
0.0	52.5°	3.9	5.9	7.8	15.7	21.6	29.4	35.3	43.1	51.0	56.9
0.0	55°	2.0	2.0	2.0	11.8	23.5	33.3	45.1	51.0	58.8	64.7
0.0	57.5°	0.0	0.0	0.0	7.8	23.5	37.3	51.0	58.8	66.7	72.6
0.0	60°	0.0	0.0	0.0	7.8	23.5	37.3	51.0	60.8	70.6	80.4
0.0	62.5°	0.0	0.0	0.0	7.8	19.6	31.4	43.1	58.8	76.5	92.2
0.0	65°	0.0	0.0	0.0	5.9	15.7	25.5	35.3	58.8	82.4	103.9
0.0	67.5°	0.0	0.0	0.0	5.9	15.7	23.5	33.3	58.8	82.4	107.9
	70°	0.0	0.0	0.0	5.9	15.7	25.5	35.3	58.8	82.4	105.9
	72.5°	0.0	0.0	0.0	5.9	17.7	27.5	39.2	58.8	78.4	98.1
	75°	0.0	0.0	0.0	7.8	17.7	29.4	41.2	58.8	76.5	92.2
	77.5°	0.0	0.0	0.0	5.9	17.7	27.5	39.2	56.9	74.5	90.2
	80°	5.9	3.9	3.9	9.8	17.7	25.5	33.3	51.0	70.6	88.3
	82.5°	11.8	11.8	9.8	13.7	17.7	23.5	29.4	45.1	62.8	78.4
	85°	23.5	23.5	21.6	23.5	23.5	25.5	27.5	35.3	43.1	51.0
	87.5°	31.4	31.4	29.4	29.4	29.4	27.5	27.5	27.5	27.5	25.5
	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: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
113.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.4											
117.7											
109.8											
107.9											
105.9											
94.1											
58.8											
25.5											
0.0											
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REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	137.3	139.2	139.2	141.2	143.2	145.1	145.1	147.1	147.1	147.1
0.0	5°	135.3	139.2	141.2	143.2	145.1	147.1	149.0	151.0	153.0	153.0
0.0	7.5°	133.4	135.3	139.2	141.2	145.1	147.1	151.0	153.0	154.9	156.9
0.0	10°	129.4	133.4	137.3	141.2	145.1	149.0	153.0	156.9	160.8	162.8
0.0	12.5°	125.5	131.4	135.3	139.2	145.1	151.0	154.9	160.8	164.7	168.7
0.0	15°	123.6	127.5	133.4	137.3	145.1	153.0	158.9	166.7	174.5	180.4
0.0	17.5°	117.7	125.5	131.4	137.3	145.1	154.9	162.8	170.6	182.4	194.2
0.0	20°	109.8	115.7	123.6	129.4	141.2	151.0	162.8	172.6	190.2	207.9
0.0	22.5°	102.0	109.8	115.7	123.6	137.3	149.0	162.8	174.5	204.0	231.4
0.0	25°	94.1	103.9	111.8	119.6	135.3	151.0	166.7	182.4	231.4	280.4
0.0	27.5°	90.2	98.1	107.9	115.7	135.3	156.9	176.5	196.1	274.6	351.1
0.0	30°	84.3	94.1	102.0	111.8	137.3	162.8	188.3	213.8	333.4	453.0
0.0	32.5°	78.4	88.3	98.1	107.9	141.2	174.5	205.9	239.3	396.2	551.1
0.0	35°	72.6	84.3	94.1	103.9	147.1	192.2	235.3	278.5	453.0	625.6
0.0	37.5°	70.6	82.4	92.2	102.0	149.0	194.2	241.2	286.3	458.9	631.5
0.0	40°	72.6	82.4	94.1	103.9	143.2	182.4	219.7	258.9	439.3	617.8
0.0	42.5°	72.6	84.3	96.1	107.9	139.2	170.6	202.0	233.4	433.4	633.5
0.0	45°	70.6	82.4	94.1	105.9	135.3	162.8	192.2	219.7	468.7	715.8
0.0	47.5°	68.6	80.4	92.2	103.9	133.4	162.8	192.2	221.6	606.0	988.4
0.0	50°	68.6	80.4	90.2	100.0	135.3	172.6	207.9	243.2	882.5	1519.9
0.0	52.5°	72.6	82.4	90.2	98.1	139.2	182.4	223.6	264.8	1121.8	1976.9
0.0	55°	78.4	84.3	92.2	98.1	149.0	198.1	249.1	298.1	1194.4	2090.6
0.0	57.5°	86.3	92.2	98.1	103.9	166.7	229.5	290.3	353.0	1200.2	2045.5
0.0	60°	96.1	103.9	109.8	115.7	182.4	251.0	317.7	384.4	1086.5	1786.6
0.0	62.5°	117.7	127.5	135.3	145.1	209.8	272.6	337.3	400.1	902.1	1404.2
0.0	65°	135.3	143.2	151.0	158.9	221.6	286.3	349.1	411.8	764.9	1117.9
0.0	67.5°	139.2	147.1	153.0	160.8	225.5	290.3	353.0	417.7	655.0	890.4
	70°	141.2	151.0	162.8	172.6	239.3	305.9	370.7	437.3	580.5	723.7
	72.5°	135.3	154.9	172.6	190.2	253.0	313.8	376.5	437.3	539.3	641.3
	75°	135.3	162.8	188.3	213.8	260.8	305.9	353.0	398.1	476.6	555.0
	77.5°	143.2	178.5	213.8	249.1	276.5	302.0	329.5	355.0	406.0	457.0
	80°	143.2	180.4	215.7	253.0	264.8	278.5	290.3	302.0	307.9	313.8
	82.5°	123.6	153.0	182.4	211.8	198.1	184.4	170.6	156.9	147.1	135.3
	85°	62.8	68.6	72.6	76.5	70.6	64.7	58.8	53.0	49.0	43.1
	87.5°	25.5	25.5	23.5	23.5	23.5	23.5	21.6	21.6	21.6	21.6
	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: P1049270

CATALOG NUMBER: GALN-SA7B-850-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
113.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
190.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
307.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
417.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
580.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
786.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
982.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1115.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1215.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1315.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1512.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1904.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2902.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4446.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5597.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5724.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5165.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4416.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3451.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2608.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1925.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1363.0											
1013.9											
737.4											
555.0											
311.8											
141.2											
41.2											
19.6											
0.0											
0.0											
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REPORT NUMBER: P1049270

CATALOG NUMBER: GALN-SA7B-850-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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	147.1	145.1	145.1	143.2	141.2	139.2	137.3	135.3	133.4	131.4
0.0	5°	153.0	153.0	153.0	151.0	151.0	149.0	149.0	147.1	145.1	143.2
0.0	7.5°	158.9	160.8	160.8	162.8	162.8	162.8	162.8	160.8	160.8	160.8
0.0	10°	168.7	170.6	172.6	174.5	176.5	178.5	178.5	180.4	180.4	180.4
0.0	12.5°	180.4	186.3	190.2	196.1	200.0	205.9	209.8	215.7	219.7	223.6
0.0	15°	198.1	207.9	219.7	229.5	239.3	253.0	268.7	282.4	296.1	317.7
0.0	17.5°	223.6	255.0	286.3	315.7	347.1	415.8	484.4	551.1	619.7	719.8
0.0	20°	272.6	366.7	458.9	553.1	645.2	886.5	1125.7	1366.9	1606.2	1863.1
0.0	22.5°	382.4	613.8	845.3	1076.7	1308.1	1812.1	2314.2	2818.2	3320.3	3910.6
0.0	25°	555.0	980.6	1406.2	1829.8	2255.3	3043.7	3834.1	4622.5	5410.9	6177.7
0.0	27.5°	808.0	1459.1	2110.2	2759.4	3410.5	4479.3	5550.1	6619.0	7687.8	8554.6
0.0	30°	1119.8	2002.4	2884.9	3767.4	4649.9	5865.9	7081.8	8295.8	9511.7	10458.9
0.0	32.5°	1414.0	2494.6	3575.2	4653.9	5734.5	7119.1	8505.6	9890.2	11274.8	12310.3
0.0	35°	1606.2	2912.3	4220.4	5526.6	6832.7	8331.1	9829.4	11325.8	12824.1	14006.7
0.0	37.5°	1798.4	3306.5	4812.7	6320.9	7827.0	9472.5	11117.9	12763.3	14408.7	15869.8
0.0	40°	2014.1	3783.1	5550.1	7319.1	9086.1	11035.5	12983.0	14932.4	16879.8	18941.0
0.0	42.5°	2388.7	4573.5	6760.2	8944.9	11129.7	13708.6	16287.5	18864.5	21443.5	24385.2
0.0	45°	3092.8	6171.8	9252.8	12331.9	15410.9	18827.3	22245.6	25662.0	29078.3	32992.8
0.0	47.5°	4816.6	9052.8	13286.9	17523.1	21757.3	25446.2	29133.2	32822.2	36509.2	40408.0
0.0	50°	7370.1	12300.5	17230.9	22159.3	27089.7	30427.6	33763.6	37101.5	40437.4	44146.0
0.0	52.5°	9217.5	14353.8	19492.1	24628.4	29764.7	32777.1	35791.4	38803.8	41816.1	45281.5
0.0	55°	9356.8	14463.7	19572.5	24679.4	29786.3	32812.4	35838.5	38864.6	41890.7	45563.9
0.0	57.5°	8284.0	13349.7	18413.5	23479.2	28542.9	31988.7	35432.5	38878.3	42322.1	46293.5
0.0	60°	7046.5	12114.2	17179.9	22247.5	27313.3	31282.7	35254.1	39223.5	43192.9	46913.2
0.0	62.5°	5497.2	10710.0	15924.7	21137.5	26350.3	30380.5	34410.7	38439.0	42469.2	45260.0
0.0	65°	4096.9	9158.7	14220.5	19280.3	24342.1	27570.2	30798.3	34024.4	37252.5	38980.3
0.0	67.5°	2961.4	7326.9	11690.6	16056.1	20419.7	22730.0	25040.3	27348.6	29658.8	30980.7
	70°	2002.4	5026.5	8048.7	11072.8	14095.0	15993.4	17893.7	19792.2	21690.6	23475.2
	72.5°	1386.5	3084.9	4785.3	6483.6	8182.0	10092.2	12000.4	13910.6	15818.8	17707.4
	75°	919.8	1692.5	2467.2	3239.9	4012.6	5426.6	6842.5	8256.5	9670.5	10796.3
	77.5°	653.1	884.5	1117.9	1349.3	1580.7	1845.5	2112.2	2376.9	2641.7	3043.7
	80°	309.9	339.3	368.7	396.2	425.6	521.7	617.8	713.9	810.0	911.9
	82.5°	147.1	158.9	170.6	180.4	192.2	202.0	211.8	221.6	231.4	221.6
	85°	39.2	39.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	39.2
	87.5°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	15.7	15.7	13.7
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
113.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
817.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2122.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4500.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6944.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9421.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11408.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13347.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15189.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17332.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21002.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27327.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36907.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44306.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47854.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48746.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49239.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50264.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50631.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48052.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40710.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32304.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25258.0											
19596.0											
11922.0											
3445.8											
1013.9											
209.8											
37.3											
13.7											
0.0											
0.0											
0.0											
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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	2.5°	127.5	125.5	123.6	121.6	119.6	115.7	115.7	113.7	113.7
0.0	5°	139.2	137.3	135.3	133.4	133.4	131.4	129.4	129.4	127.5
0.0	7.5°	158.9	156.9	154.9	153.0	153.0	151.0	151.0	149.0	149.0
0.0	10°	182.4	182.4	182.4	182.4	182.4	180.4	180.4	180.4	178.5
0.0	12.5°	229.5	231.4	235.3	239.3	245.1	245.1	245.1	243.2	243.2
0.0	15°	362.8	384.4	400.1	415.8	429.5	460.9	457.0	451.1	447.1
0.0	17.5°	917.8	1015.9	1068.8	1119.8	1172.8	1317.9	1294.4	1270.8	1249.3
0.0	20°	2378.9	2635.8	2806.4	2977.1	3149.6	3422.2	3355.6	3288.9	3222.2
0.0	22.5°	5089.2	5679.6	5936.5	6193.4	6448.3	6777.8	6564.0	6350.3	6138.5
0.0	25°	7709.4	8476.2	8909.6	9343.0	9774.5	9962.8	9684.3	9403.8	9125.3
0.0	27.5°	10288.3	11155.2	11537.6	11918.1	12300.5	12694.7	12349.5	12002.4	11657.2
0.0	30°	12355.4	13302.6	13716.4	14128.3	14542.1	14816.7	14459.7	14100.8	13743.9
0.0	32.5°	14383.2	15418.7	15871.8	16324.8	16775.9	17170.1	16730.8	16289.5	15850.2
0.0	35°	16369.9	17552.5	18176.2	18799.8	19423.5	19790.2	19268.5	18744.9	18223.2
0.0	37.5°	18793.9	20255.0	20953.2	21651.4	22349.5	23018.3	22443.7	21867.1	21292.5
0.0	40°	23063.4	25124.6	26195.4	27268.2	28339.0	29201.9	28476.2	27750.6	27025.0
0.0	42.5°	30268.7	33210.5	34750.0	36287.6	37827.1	39174.4	38411.5	37648.6	36885.7
0.0	45°	40821.8	44736.3	46613.2	48488.0	50364.9	51349.4	50251.1	49150.9	48052.7
0.0	47.5°	48203.7	52102.5	53773.4	55444.3	57115.2	58239.0	56895.6	55552.2	54210.8
0.0	50°	51561.2	55269.8	56946.6	58621.4	60298.2	61190.6	59639.3	58086.0	56534.7
0.0	52.5°	52210.4	55675.7	57676.1	59678.5	61678.9	62871.3	61039.6	59205.9	57374.1
0.0	55°	52912.5	56585.7	58905.8	61227.8	63547.9	65199.2	63128.2	61055.2	58984.2
0.0	57.5°	54234.3	58205.7	60519.8	62832.1	65146.3	66548.5	64471.6	62392.8	60315.9
0.0	60°	54352.0	58070.3	60059.0	62049.6	64038.2	64920.7	62934.1	60945.4	58958.8
0.0	62.5°	50843.4	53634.2	55014.8	56395.5	57776.2	58735.2	56662.2	54587.3	52514.3
0.0	65°	42437.8	44165.6	45265.8	46366.1	47466.3	48609.6	46711.2	44812.8	42914.4
0.0	67.5°	33626.3	34948.1	36397.4	37846.7	39296.0	40517.8	38997.9	37476.1	35956.2
	70°	27042.6	28825.3	30455.1	32084.8	33714.5	34714.7	33188.9	31661.2	30135.4
	72.5°	21484.7	23373.3	24734.3	26093.4	27454.5	27699.6	26577.8	25456.0	24336.2
	75°	13045.7	14171.4	14198.9	14224.4	14251.8	14485.2	13555.6	12626.0	11698.4
	77.5°	3847.8	4249.9	4581.3	4910.8	5242.2	5642.3	5301.1	4957.8	4616.6
	80°	1113.9	1215.9	1302.2	1386.5	1472.8	1421.9	1341.4	1261.0	1180.6
	82.5°	200.0	188.3	186.3	184.4	184.4	174.5	158.9	143.2	127.5
	85°	35.3	33.3	31.4	29.4	27.5	25.5	21.6	19.6	15.7
	87.5°	11.8	9.8	7.8	5.9	5.9	2.0	2.0	2.0	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: P1049270

CATALOG NUMBER: GALN-SA7B-850-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°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7
0.0	0.0	2.5°	111.8	109.8	109.8	109.8	109.8	107.9	107.9	107.9	107.9
0.0	0.0	5°	123.6	123.6	121.6	121.6	119.6	119.6	117.7	117.7	115.7
0.0	0.0	7.5°	145.1	143.2	141.2	139.2	137.3	133.4	131.4	129.4	129.4
0.0	0.0	10°	174.5	170.6	168.7	164.7	162.8	158.9	154.9	151.0	147.1
0.0	0.0	12.5°	229.5	221.6	215.7	207.9	200.0	194.2	186.3	180.4	172.6
0.0	0.0	15°	398.1	378.5	356.9	331.4	304.0	278.5	251.0	235.3	217.7
0.0	0.0	17.5°	1017.8	915.9	811.9	727.6	643.3	560.9	476.6	415.8	355.0
0.0	0.0	20°	2590.7	2308.3	2025.9	1747.4	1467.0	1188.5	908.0	766.8	625.6
0.0	0.0	22.5°	4875.5	4351.8	3826.2	3318.3	2808.4	2300.5	1792.5	1472.8	1155.1
0.0	0.0	25°	7525.0	6866.1	6207.1	5371.7	4534.2	3698.8	2863.3	2343.6	1823.9
0.0	0.0	27.5°	9792.1	9033.2	8274.2	7258.3	6242.4	5226.5	4210.6	3436.0	2663.3
0.0	0.0	30°	11755.3	10939.4	10123.6	8941.0	7758.4	6575.8	5393.2	4424.4	3455.6
0.0	0.0	32.5°	13457.6	12480.9	11504.2	10284.4	9064.5	7844.7	6624.8	5436.4	4247.9
0.0	0.0	35°	15420.7	14281.3	13139.9	11786.7	10431.5	9078.3	7725.1	6383.6	5040.2
0.0	0.0	37.5°	17915.3	16517.0	15116.7	13608.6	12100.4	10594.3	9086.1	7552.5	6018.8
0.0	0.0	40°	22690.8	20886.5	19082.2	17166.1	15248.1	13332.1	11416.0	9533.3	7650.5
0.0	0.0	42.5°	31247.4	28809.6	26371.9	23822.4	21270.9	18721.4	16169.9	13514.4	10857.1
0.0	0.0	45°	40904.2	37880.1	34854.0	31992.6	29129.3	26268.0	23406.6	19762.7	16118.9
0.0	0.0	47.5°	46334.7	43069.3	39804.0	37095.6	34387.2	31678.8	28970.5	25042.2	21114.0
0.0	0.0	50°	48333.1	45008.9	41684.7	39192.1	36697.5	34204.8	31710.2	27776.1	23840.0
0.0	0.0	52.5°	48758.7	45367.8	41977.0	39468.6	36960.3	34453.9	31945.6	28036.9	24128.3
0.0	0.0	55°	49633.4	45995.4	42355.5	39496.1	36636.7	33777.3	30917.9	26946.5	22975.1
0.0	0.0	57.5°	50776.7	47046.6	43316.4	40058.9	36801.4	33545.9	30288.4	25946.3	21604.3
0.0	0.0	60°	50476.7	47230.9	43983.2	40494.3	37003.4	33514.5	30023.6	25248.1	20470.7
0.0	0.0	62.5°	45267.8	42683.0	40096.2	37227.0	34355.8	31486.6	28617.4	23700.8	18784.1
0.0	0.0	65°	37240.7	35354.1	33467.4	31159.1	28848.9	26540.6	24232.3	19823.5	15416.8
0.0	0.0	67.5°	30182.5	28056.5	25928.7	24089.1	22247.5	20408.0	18566.4	15097.1	11627.8
		70°	23979.3	21667.0	19352.9	17556.4	15758.0	13961.6	12165.2	9858.8	7554.4
		72.5°	19043.0	16958.3	14873.5	12957.5	11039.4	9123.4	7205.4	5842.3	4479.3
		75°	9101.8	8268.3	7434.8	6432.6	5430.5	4428.3	3426.2	2831.9	2239.7
		77.5°	3373.2	2924.1	2473.0	2065.1	1657.2	1251.2	843.3	772.7	702.1
		80°	872.7	760.9	647.2	566.8	484.4	404.0	323.6	292.2	262.8
		82.5°	100.0	92.2	86.3	82.4	76.5	72.6	66.7	60.8	54.9
		85°	5.9	3.9	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: P1049270

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CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	113.7	113.7
0.0	0.0	2.5°	105.9	103.9
0.0	0.0	5°	111.8	109.8
0.0	0.0	7.5°	123.6	119.6
0.0	0.0	10°	135.3	131.4
0.0	0.0	12.5°	153.0	147.1
0.0	0.0	15°	172.6	160.8
0.0	0.0	17.5°	205.9	180.4
0.0	0.0	20°	278.5	213.8
0.0	0.0	22.5°	392.2	266.7
0.0	0.0	25°	576.6	368.7
0.0	0.0	27.5°	802.1	490.3
0.0	0.0	30°	1066.9	613.8
0.0	0.0	32.5°	1300.3	731.5
0.0	0.0	35°	1604.2	851.1
0.0	0.0	37.5°	1978.8	1004.1
0.0	0.0	40°	2559.3	1235.5
0.0	0.0	42.5°	3604.6	1663.1
0.0	0.0	45°	5854.1	2875.1
0.0	0.0	47.5°	9007.7	4755.8
0.0	0.0	50°	11019.8	6069.8
0.0	0.0	52.5°	11184.6	6060.0
0.0	0.0	55°	10209.9	5387.3
0.0	0.0	57.5°	8711.5	4502.9
0.0	0.0	60°	7240.7	3561.5
0.0	0.0	62.5°	5705.1	2459.3
0.0	0.0	65°	4169.5	1739.6
0.0	0.0	67.5°	2994.7	1300.3
		70°	1969.0	996.3
		72.5°	1282.6	811.9
		75°	862.9	672.7
		77.5°	504.0	447.1
		80°	178.5	156.9
		82.5°	33.3	23.5
		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: P1049270

CATALOG NUMBER: GALN-SA7B-850-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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

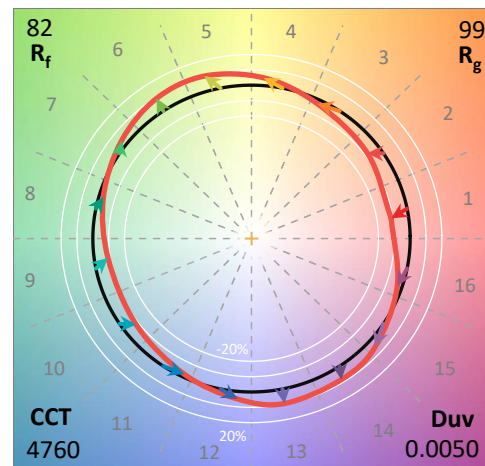
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

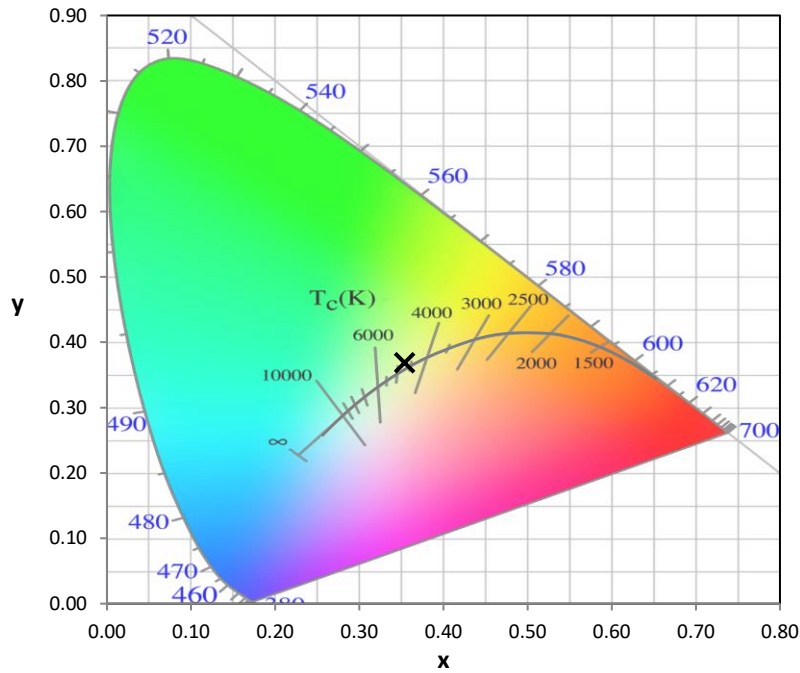
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

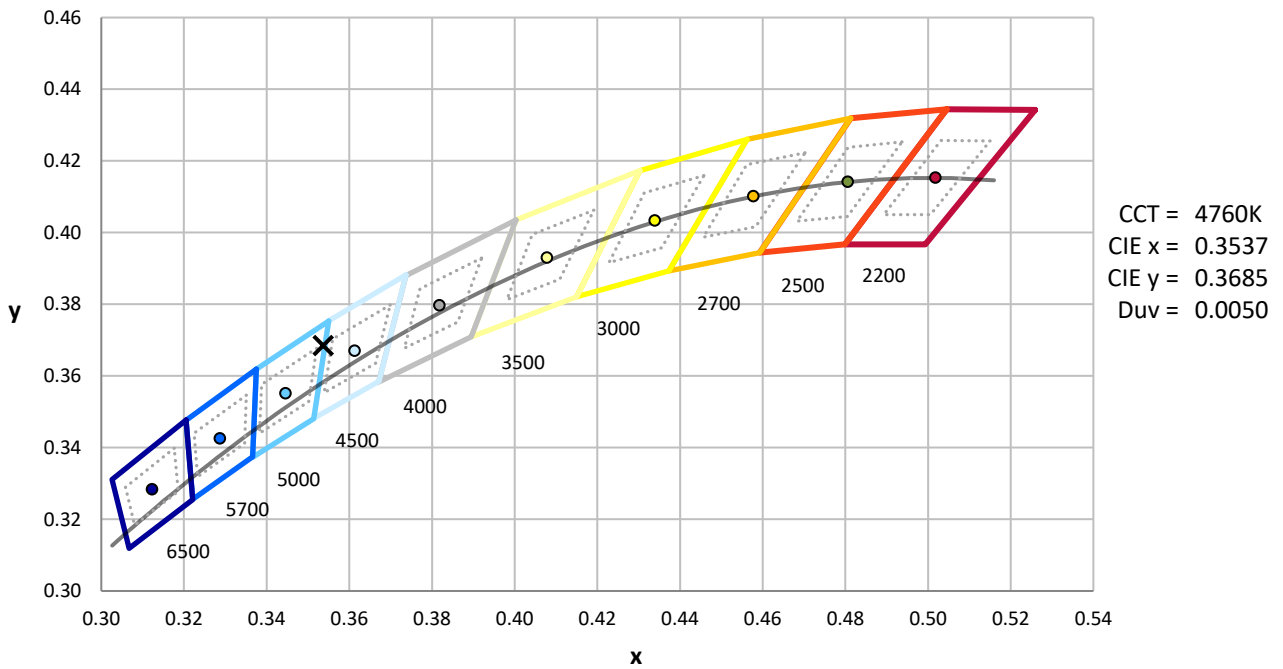
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



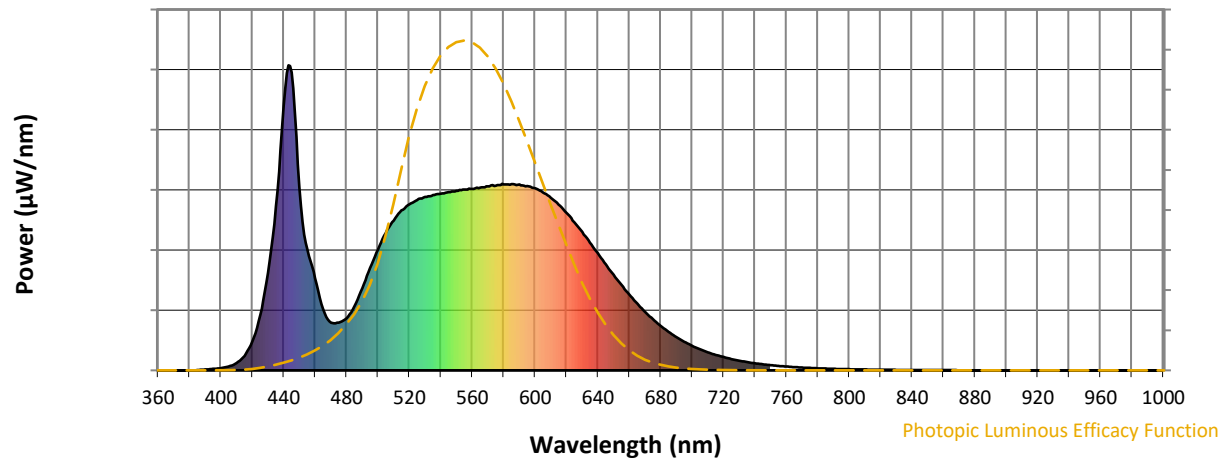
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

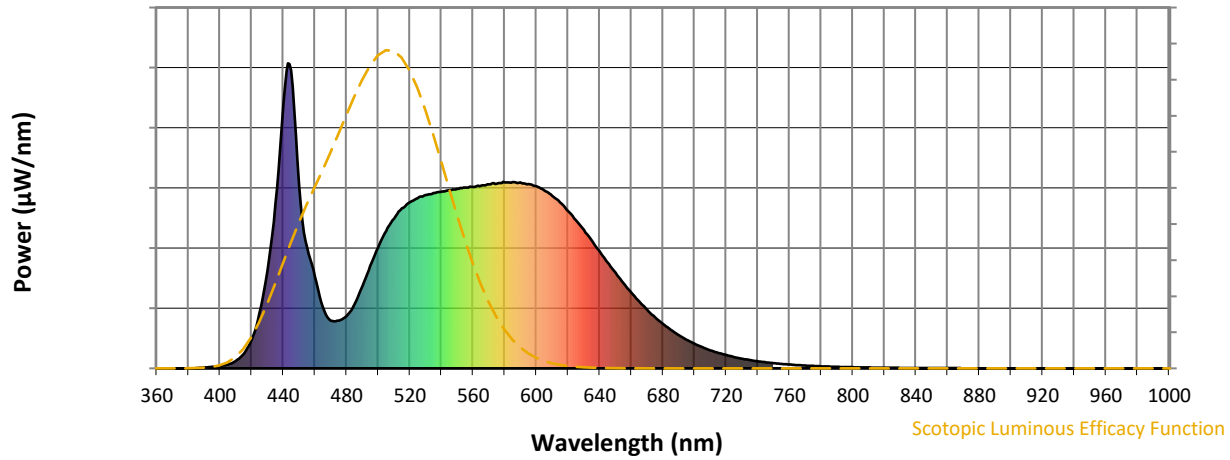


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Scotopic Flux vs. Wavelength



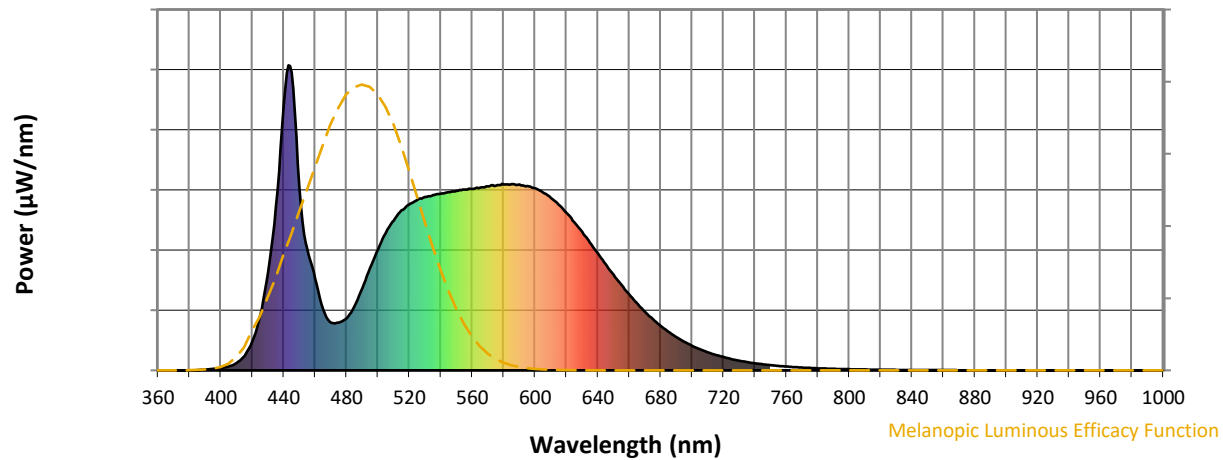
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

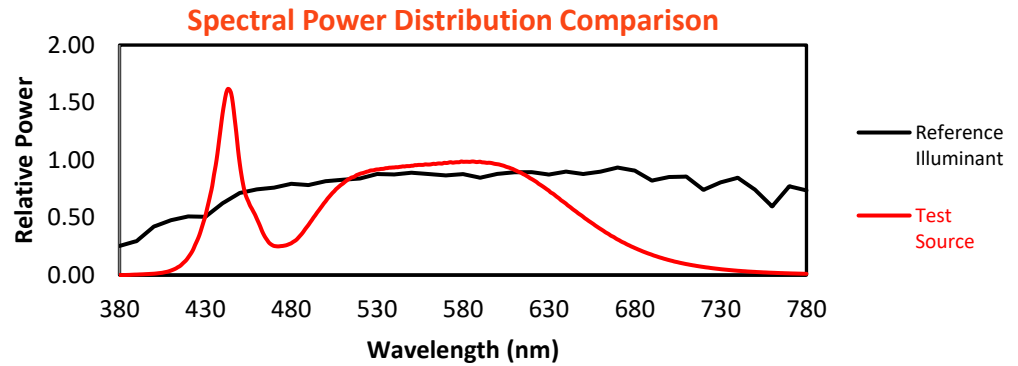
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

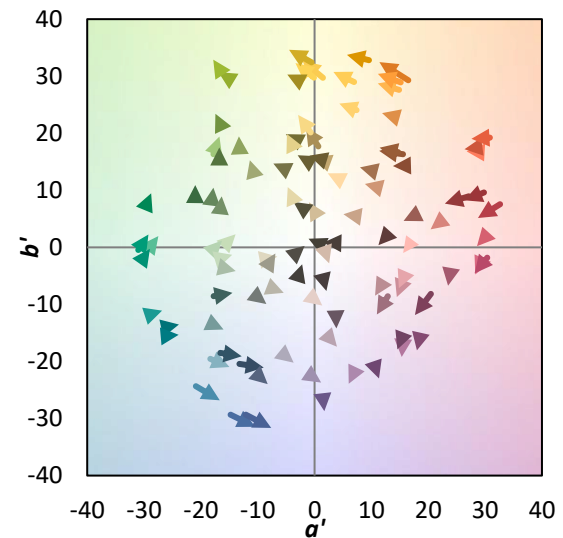
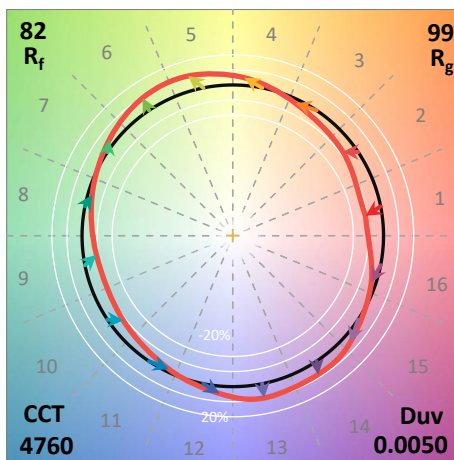
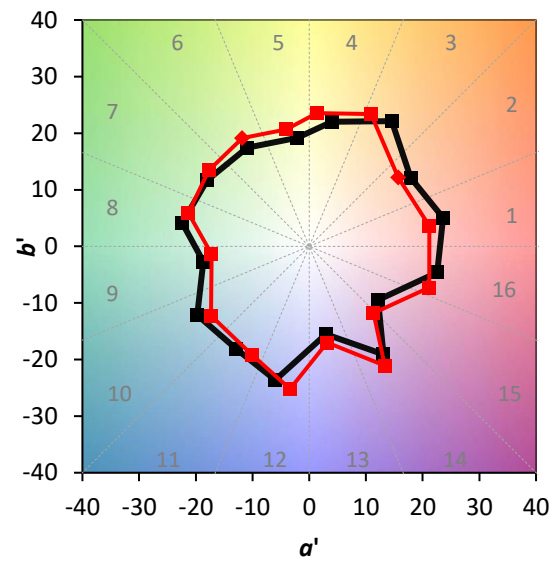
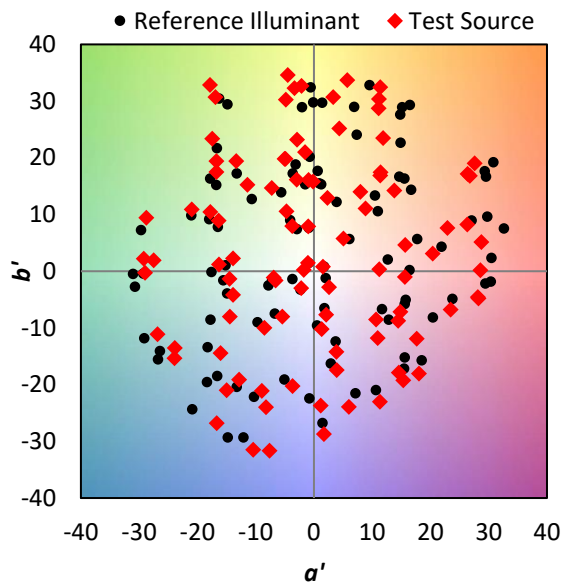
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $\text{CIE } R_a = 81.1$
 $R_9 = 8.7$

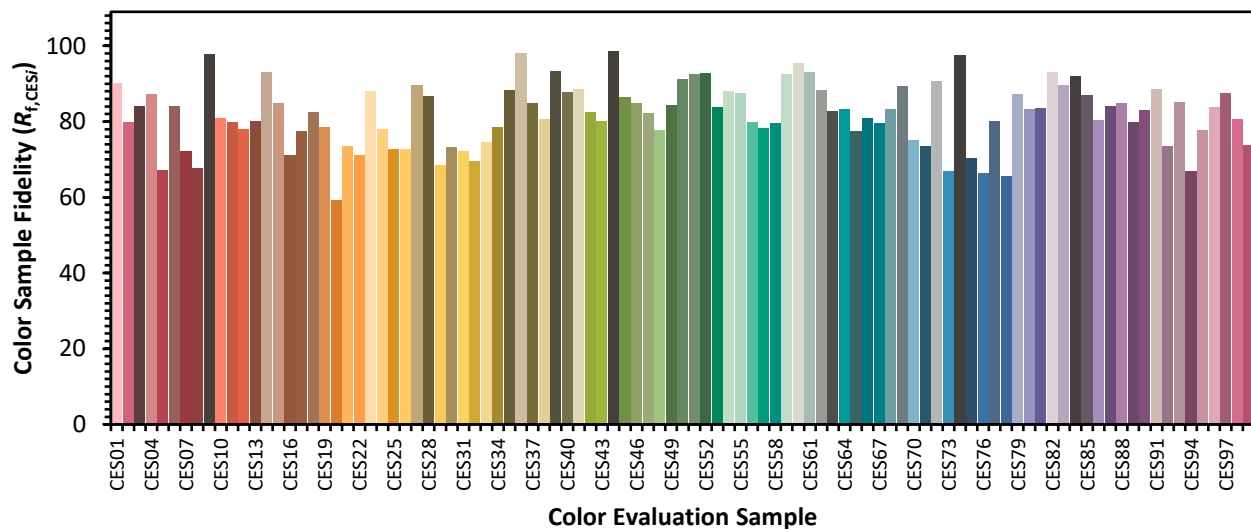


Color Vector Graphics

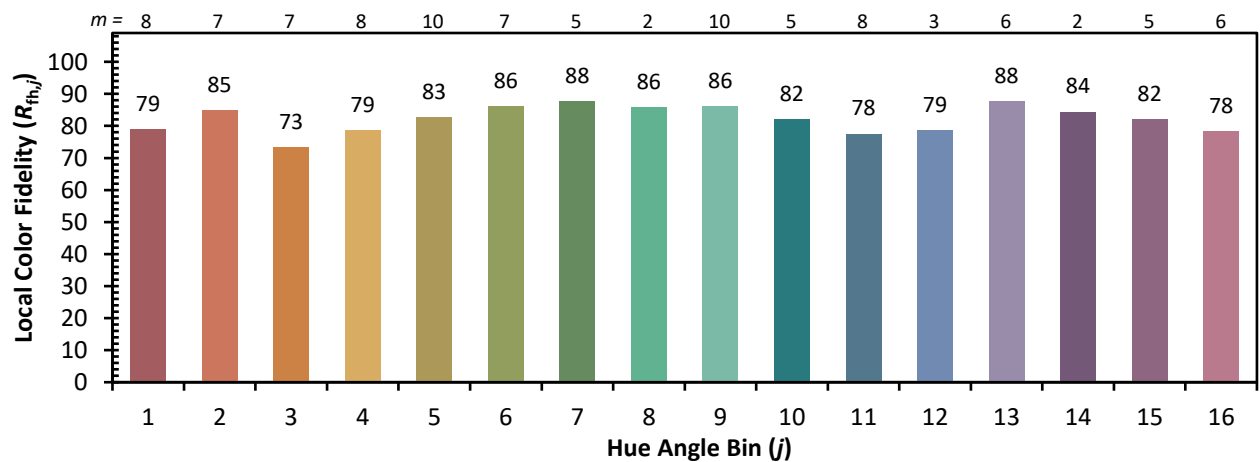
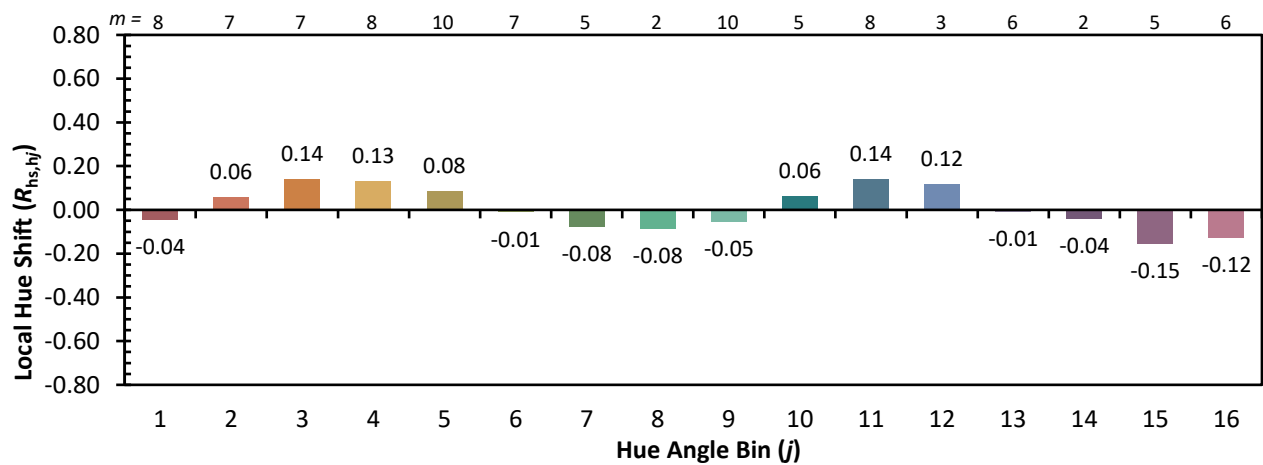
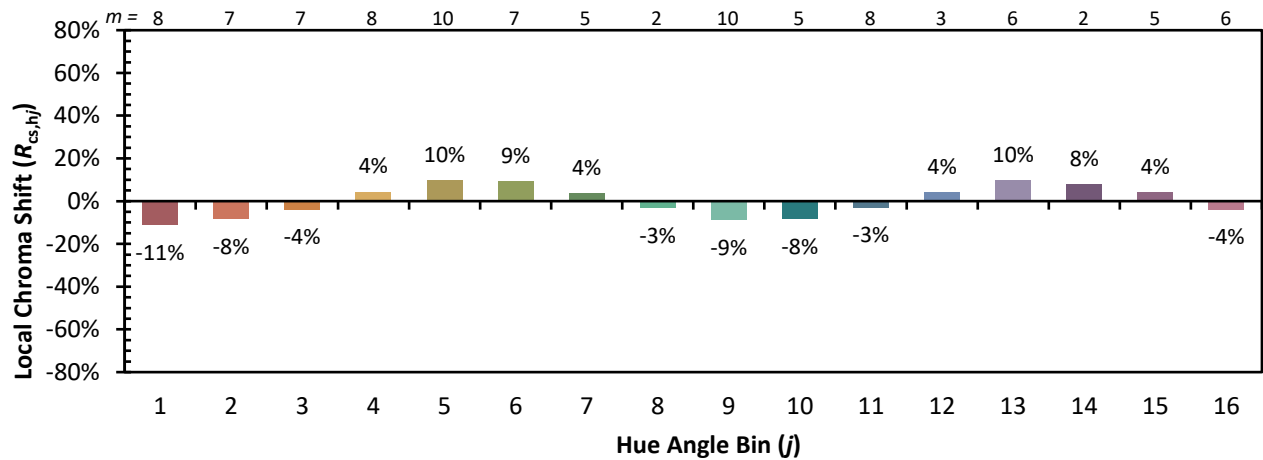


Individual Sample Fidelity Index ($R_{f,i}$)

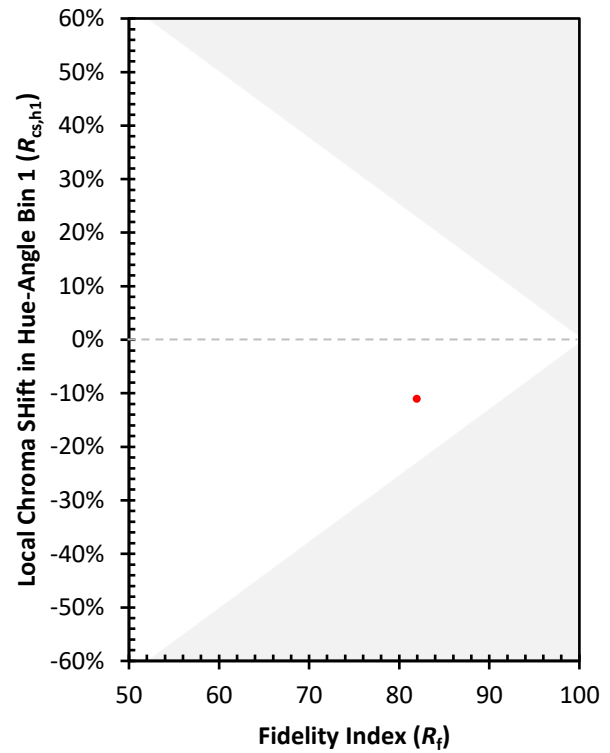
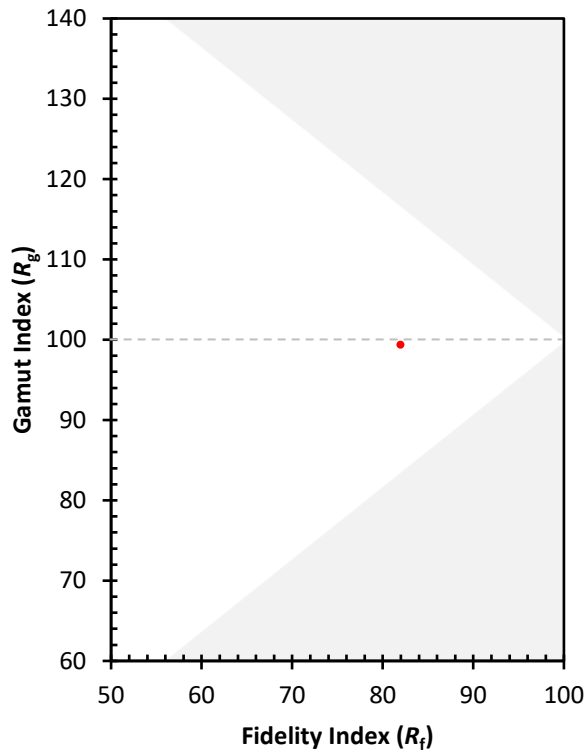
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)