

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: P1049166

Luminaire Tested: **GALN-SA8B-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049166
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8B-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 8xLight Square PACKAGE
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29291.9 lumens
Efficiency: N/A
Efficacy: 103.6 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

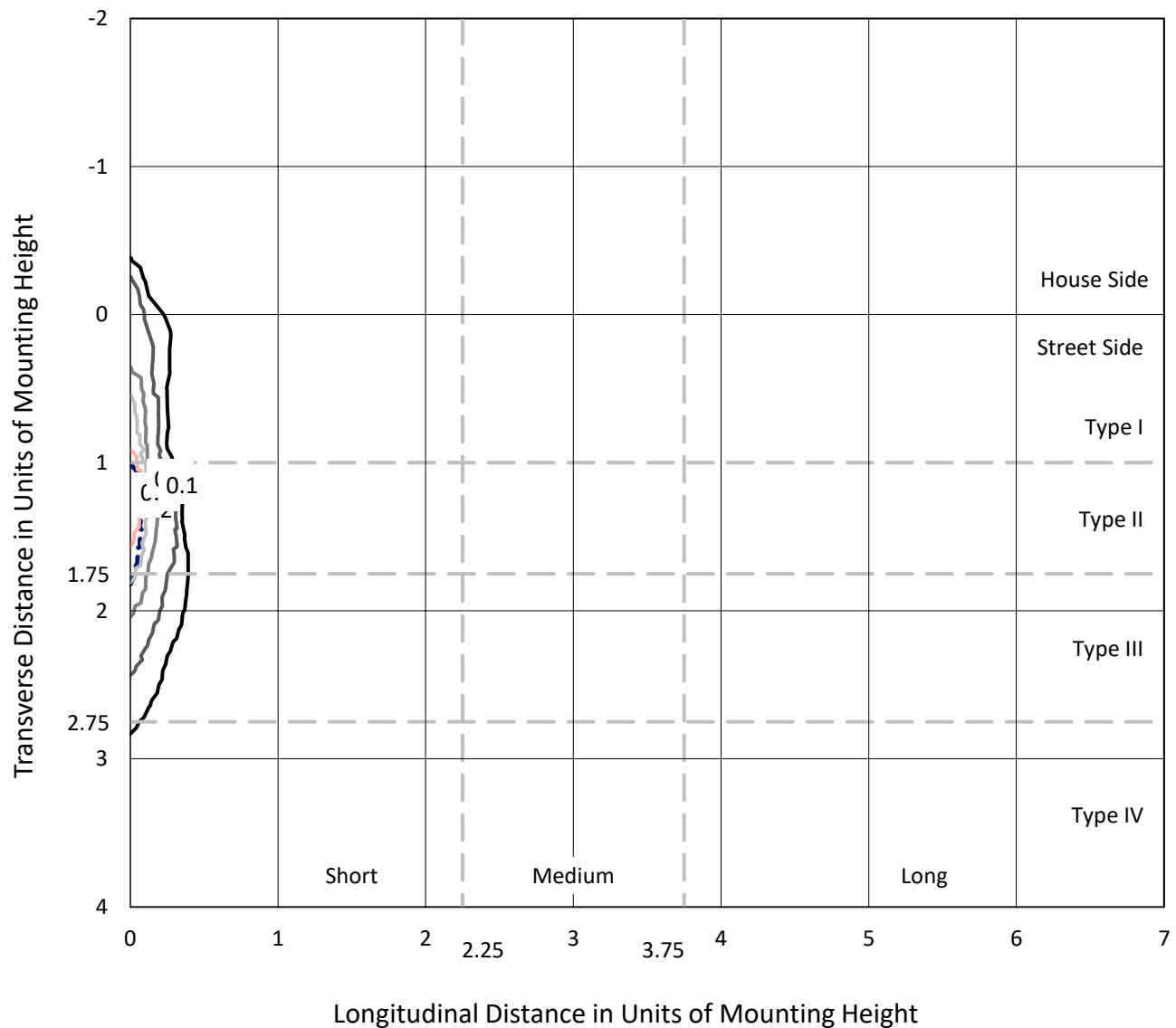
Input Watts (W): 282.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

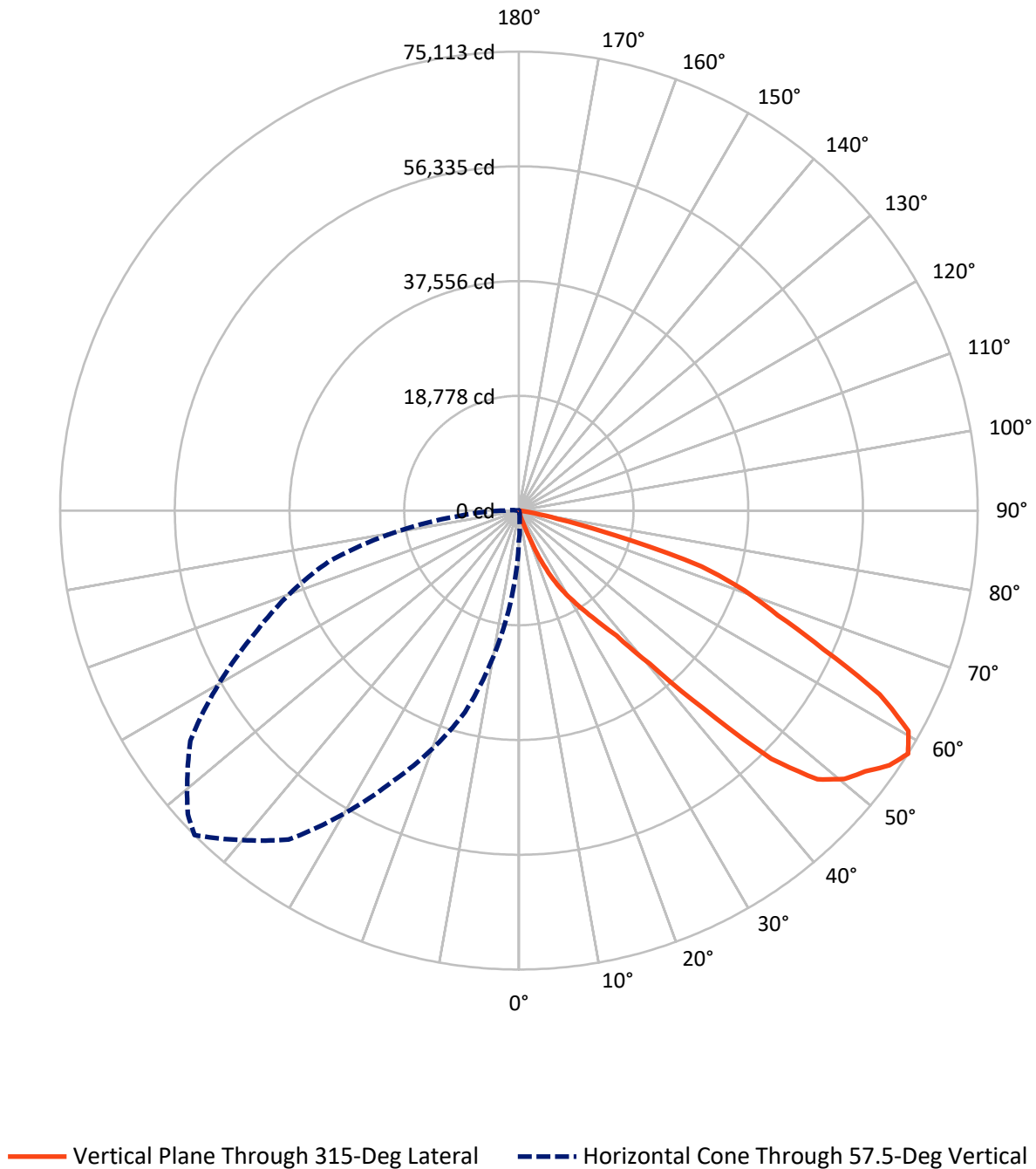
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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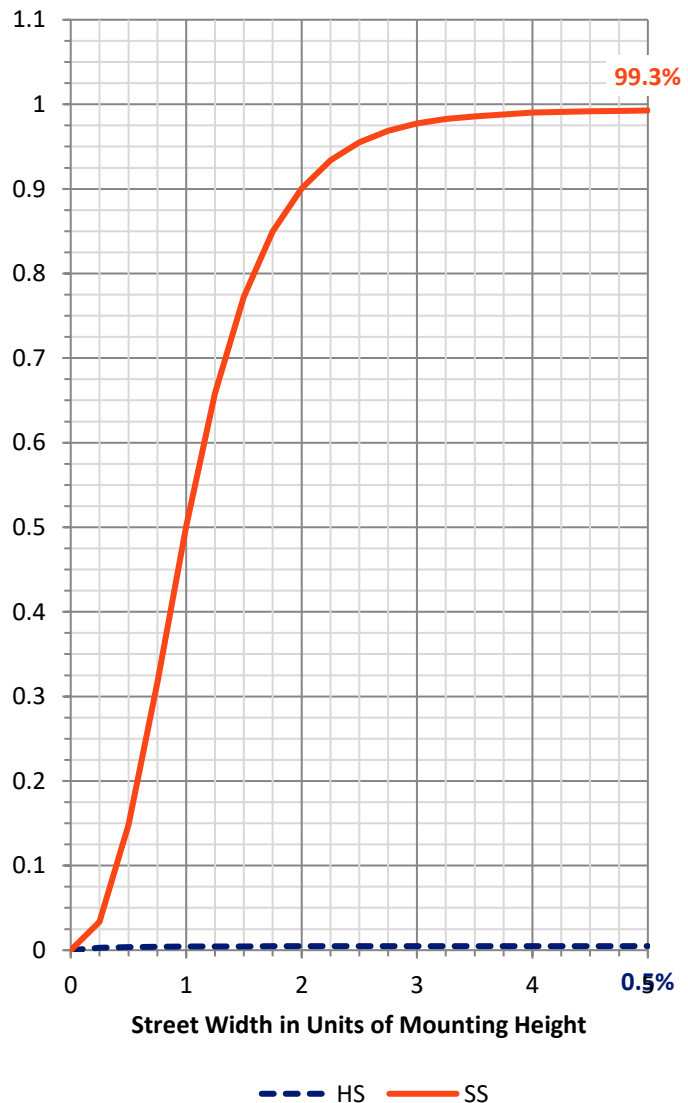
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	146.7	0.0	146.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	29145.2	0.0	29145.2
	% Fixture	99.5	0.0	99.5
Total	Lumens	29291.9	0.0	29291.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.0
10°-20°	64.4	0.2
20°-30°	694.2	2.4
30°-40°	2052.8	7.0
40°-50°	6117.9	20.9
50°-60°	9700.8	33.1
60°-70°	8097.8	27.6
70°-80°	2497.1	8.5
80°-90°	55.5	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°	29291.9	100.0
0°-180°	29291.9	100.0



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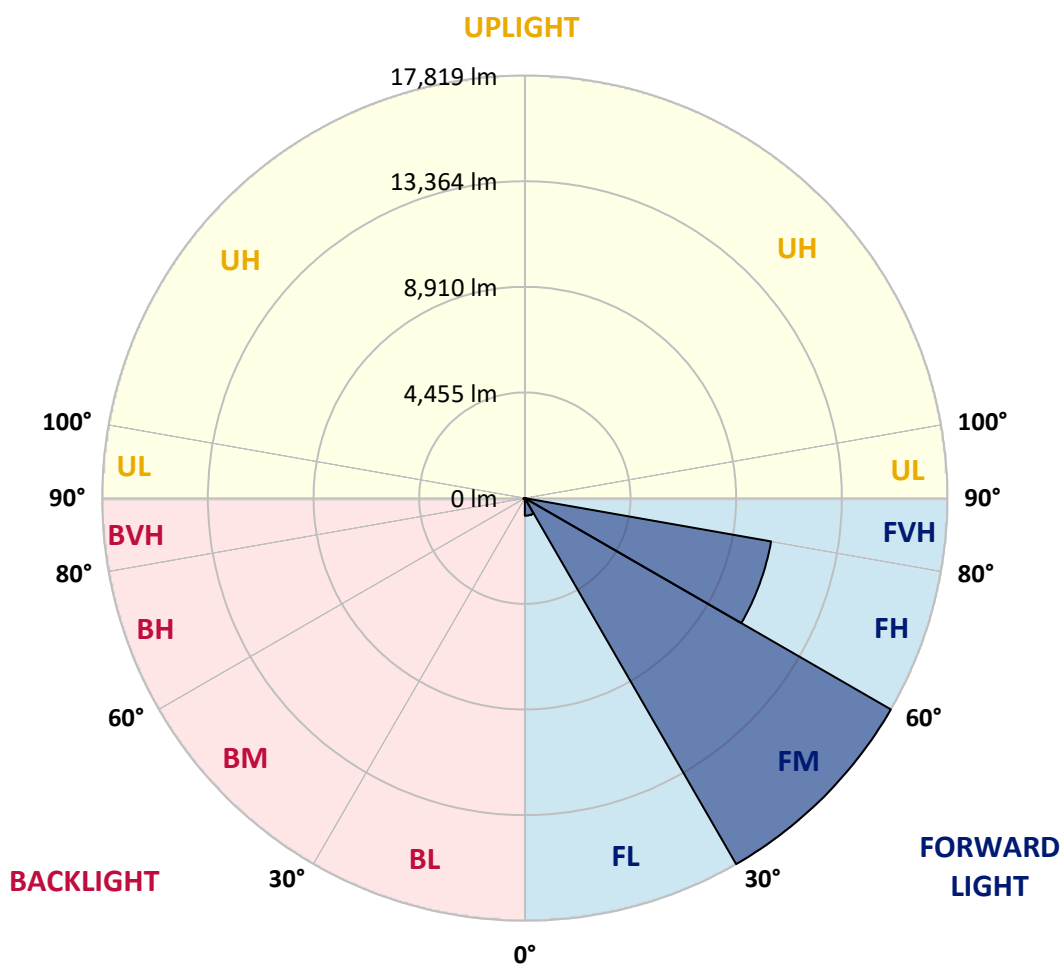
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	743.1	2.5			
FM	(30°-60°)	17819.1	60.8			
FH	(60°-80°)	10540.1	36.0			G4/12000
FVH	(80°-90°)	42.9	0.1			G1/100
BL	(0°-30°)	26.9	0.1	B0/110		
BM	(30°-60°)	52.4	0.2	B0/220		
BH	(60°-80°)	54.7	0.2	B0/110		G0/110
BVH	(80°-90°)	12.6	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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	117.3	117.3	117.3	117.3	115.1	115.1	112.9	112.9	110.7	110.7
5°	124.0	124.0	121.7	119.5	119.5	117.3	115.1	112.9	112.9	110.7
7.5°	135.0	132.8	130.6	128.4	124.0	121.7	117.3	115.1	112.9	108.5
10°	148.3	143.9	139.5	135.0	130.6	126.2	121.7	119.5	115.1	112.9
12.5°	166.0	159.4	150.5	143.9	139.5	132.8	128.4	124.0	117.3	112.9
15°	181.5	172.7	161.6	152.7	146.1	137.2	130.6	124.0	119.5	112.9
17.5°	203.6	188.2	170.4	159.4	150.5	139.5	128.4	121.7	115.1	106.3
20°	241.3	210.3	177.1	163.8	150.5	137.2	124.0	115.1	108.5	99.6
22.5°	301.0	247.9	194.8	174.9	157.2	137.2	119.5	110.7	101.8	93.0
25°	416.1	321.0	225.8	199.2	172.7	146.1	119.5	108.5	99.6	88.5
27.5°	553.4	411.7	267.8	230.2	194.8	157.2	119.5	106.3	95.2	81.9
30°	692.8	504.7	314.3	265.6	216.9	168.2	119.5	104.0	90.8	75.3
32.5°	825.7	591.0	354.2	296.6	239.1	179.3	121.7	104.0	86.3	68.6
35°	960.7	661.9	360.8	301.0	241.3	179.3	119.5	99.6	81.9	62.0
37.5°	1133.3	741.5	347.5	287.8	230.2	170.4	112.9	95.2	77.5	57.6
40°	1394.5	874.4	354.2	292.2	230.2	168.2	106.3	88.5	73.0	55.3
42.5°	1877.1	1131.1	382.9	312.1	241.3	168.2	97.4	81.9	68.6	53.1
45°	3245.1	1879.3	513.5	407.3	301.0	194.8	88.5	75.3	64.2	50.9
47.5°	5367.9	3145.5	923.1	712.8	504.7	294.4	86.3	75.3	64.2	50.9
50°	6851.0	4006.5	1162.1	894.3	626.4	358.6	90.8	77.5	66.4	53.1
52.5°	6839.9	4068.5	1294.9	993.9	695.1	394.0	95.2	81.9	70.8	57.6
55°	6080.7	3701.1	1319.3	1013.8	710.6	405.1	101.8	88.5	75.3	62.0
57.5°	5082.3	3143.3	1204.2	931.9	661.9	389.6	117.3	101.8	88.5	73.0
60°	4019.8	2479.2	938.6	741.5	546.7	349.7	154.9	135.0	117.3	97.4
62.5°	2775.8	1797.4	819.0	657.4	498.1	336.5	177.1	157.2	139.5	119.5
65°	1963.4	1352.5	739.3	602.1	467.1	329.8	192.6	170.4	150.5	128.4
67.5°	1467.6	1075.8	681.8	564.5	447.1	329.8	212.5	185.9	161.6	135.0
70°	1124.5	883.2	639.7	544.5	451.6	356.4	261.2	223.6	188.2	150.5
72.5°	916.4	754.8	591.0	522.4	453.8	385.2	316.5	267.8	219.1	168.2
75°	759.3	646.4	533.5	475.9	420.6	363.0	305.5	261.2	219.1	174.9
77.5°	504.7	460.4	413.9	380.7	347.5	312.1	278.9	241.3	205.9	168.2
80°	177.1	170.4	163.8	177.1	190.4	203.6	216.9	190.4	166.0	139.5
82.5°	26.6	24.3	22.1	24.3	26.6	28.8	31.0	33.2	35.4	37.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	108.5	108.5	106.3	106.3	106.3	104.0	104.0	101.8	101.8	101.8
0.0	5°	106.3	106.3	104.0	101.8	99.6	99.6	97.4	95.2	95.2	93.0
0.0	7.5°	104.0	101.8	99.6	97.4	95.2	93.0	90.8	88.5	88.5	86.3
0.0	10°	106.3	101.8	99.6	95.2	93.0	90.8	86.3	84.1	81.9	81.9
0.0	12.5°	101.8	99.6	95.2	90.8	88.5	84.1	81.9	77.5	75.3	75.3
0.0	15°	101.8	97.4	90.8	86.3	81.9	79.7	75.3	70.8	68.6	66.4
0.0	17.5°	95.2	90.8	84.1	79.7	75.3	70.8	66.4	62.0	59.8	57.6
0.0	20°	86.3	81.9	75.3	68.6	64.2	59.8	55.3	50.9	48.7	46.5
0.0	22.5°	77.5	73.0	66.4	59.8	55.3	50.9	44.3	39.8	37.6	33.2
0.0	25°	73.0	66.4	59.8	53.1	46.5	42.1	35.4	28.8	24.3	19.9
0.0	27.5°	62.0	55.3	48.7	42.1	35.4	28.8	22.1	15.5	11.1	8.9
0.0	30°	53.1	46.5	39.8	33.2	24.3	17.7	11.1	2.2	2.2	2.2
0.0	32.5°	44.3	37.6	28.8	22.1	17.7	11.1	6.6	0.0	0.0	0.0
0.0	35°	35.4	28.8	19.9	13.3	11.1	6.6	4.4	0.0	0.0	0.0
0.0	37.5°	31.0	24.3	15.5	6.6	4.4	4.4	2.2	0.0	0.0	0.0
0.0	40°	28.8	19.9	11.1	2.2	2.2	2.2	0.0	0.0	0.0	0.0
0.0	42.5°	28.8	19.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	28.8	19.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	28.8	19.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	31.0	22.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	35.4	26.6	17.7	8.9	6.6	4.4	2.2	0.0	0.0	0.0
0.0	55°	44.3	39.8	33.2	28.8	22.1	15.5	6.6	0.0	0.0	0.0
0.0	57.5°	57.6	57.6	55.3	53.1	39.8	26.6	13.3	0.0	0.0	0.0
0.0	60°	77.5	77.5	77.5	77.5	57.6	39.8	19.9	0.0	0.0	0.0
0.0	62.5°	95.2	90.8	84.1	79.7	59.8	39.8	19.9	0.0	0.0	0.0
0.0	65°	95.2	86.3	75.3	64.2	48.7	33.2	15.5	0.0	0.0	0.0
0.0	67.5°	88.5	70.8	50.9	33.2	24.3	17.7	8.9	0.0	0.0	0.0
	70°	88.5	62.0	35.4	8.9	6.6	4.4	2.2	0.0	0.0	0.0
	72.5°	88.5	59.8	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	97.4	66.4	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	97.4	66.4	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	86.3	57.6	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	28.8	19.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	99.6	99.6	99.6	97.4	97.4	97.4	97.4	95.2	95.2	95.2
0.0	5°	90.8	90.8	88.5	88.5	86.3	86.3	84.1	84.1	81.9	81.9
0.0	7.5°	84.1	81.9	81.9	79.7	77.5	77.5	75.3	75.3	73.0	70.8
0.0	10°	77.5	75.3	75.3	73.0	70.8	68.6	68.6	66.4	64.2	62.0
0.0	12.5°	70.8	68.6	66.4	64.2	62.0	59.8	59.8	57.6	55.3	53.1
0.0	15°	62.0	59.8	57.6	55.3	53.1	50.9	50.9	48.7	46.5	44.3
0.0	17.5°	53.1	50.9	50.9	48.7	46.5	44.3	42.1	37.6	35.4	33.2
0.0	20°	39.8	37.6	35.4	33.2	31.0	26.6	24.3	19.9	15.5	13.3
0.0	22.5°	26.6	22.1	19.9	15.5	11.1	8.9	6.6	2.2	0.0	0.0
0.0	25°	8.9	6.6	4.4	2.2	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-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	93.0	93.0	93.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8
0.0	5°	79.7	79.7	79.7	77.5	77.5	75.3	75.3	75.3	73.0	73.0
0.0	7.5°	68.6	66.4	66.4	64.2	64.2	62.0	62.0	62.0	59.8	59.8
0.0	10°	57.6	55.3	55.3	53.1	53.1	50.9	50.9	48.7	48.7	46.5
0.0	12.5°	50.9	48.7	46.5	44.3	44.3	42.1	39.8	39.8	37.6	35.4
0.0	15°	39.8	37.6	35.4	33.2	31.0	28.8	26.6	26.6	24.3	22.1
0.0	17.5°	26.6	22.1	19.9	17.7	17.7	15.5	13.3	11.1	8.9	6.6
0.0	20°	6.6	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	90.8	88.5	88.5	88.5	90.8	90.8	90.8	90.8	90.8	90.8
0.0	5°	73.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
0.0	7.5°	59.8	57.6	57.6	57.6	57.6	55.3	55.3	55.3	55.3	55.3
0.0	10°	46.5	44.3	44.3	44.3	44.3	42.1	42.1	42.1	42.1	42.1
0.0	12.5°	33.2	33.2	31.0	31.0	31.0	28.8	28.8	28.8	28.8	26.6
0.0	15°	19.9	17.7	15.5	15.5	15.5	13.3	13.3	13.3	13.3	11.1
0.0	17.5°	4.4	4.4	2.2	2.2	2.2	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-SA8B-830-U-RBC

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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	93.0	93.0	95.2	95.2	97.4	101.8	104.0	106.3	110.7	115.1
0.0	5°	73.0	75.3	75.3	77.5	79.7	81.9	84.1	86.3	90.8	95.2
0.0	7.5°	57.6	57.6	59.8	59.8	62.0	66.4	68.6	70.8	75.3	81.9
0.0	10°	44.3	44.3	46.5	46.5	48.7	53.1	55.3	57.6	62.0	68.6
0.0	12.5°	28.8	31.0	31.0	33.2	35.4	39.8	42.1	44.3	48.7	53.1
0.0	15°	13.3	15.5	15.5	17.7	19.9	24.3	26.6	28.8	33.2	39.8
0.0	17.5°	2.2	2.2	4.4	4.4	6.6	8.9	11.1	13.3	19.9	24.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	8.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	121.7	126.2	130.6	135.0	139.5	143.9	146.1	150.5	152.7	154.9
0.0	5°	104.0	108.5	115.1	119.5	124.0	128.4	132.8	135.0	137.2	139.5
0.0	7.5°	90.8	95.2	101.8	106.3	110.7	115.1	119.5	124.0	126.2	128.4
0.0	10°	77.5	84.1	88.5	95.2	99.6	104.0	108.5	112.9	117.3	119.5
0.0	12.5°	62.0	68.6	75.3	79.7	86.3	93.0	97.4	101.8	106.3	110.7
0.0	15°	48.7	55.3	62.0	66.4	73.0	79.7	86.3	90.8	95.2	99.6
0.0	17.5°	35.4	42.1	48.7	53.1	59.8	66.4	70.8	77.5	81.9	86.3
0.0	20°	17.7	24.3	31.0	37.6	44.3	50.9	55.3	62.0	66.4	70.8
0.0	22.5°	2.2	8.9	15.5	19.9	26.6	33.2	37.6	44.3	48.7	53.1
0.0	25°	0.0	2.2	6.6	8.9	11.1	15.5	19.9	24.3	28.8	33.2
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.2	4.4	8.9	13.3	17.7
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
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	2.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	4.4
	85°	0.0	0.0	0.0	0.0	0.0	4.4	6.6	11.1	13.3	15.5
	87.5°	0.0	2.2	4.4	6.6	8.9	13.3	17.7	22.1	24.3	26.6
	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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	157.2	157.2	157.2	157.2	154.9	154.9	154.9	152.7	152.7	150.5
0.0	5°	143.9	146.1	146.1	146.1	146.1	146.1	146.1	146.1	143.9	143.9
0.0	7.5°	132.8	135.0	137.2	137.2	139.5	139.5	139.5	137.2	137.2	135.0
0.0	10°	126.2	128.4	128.4	130.6	130.6	130.6	130.6	130.6	130.6	130.6
0.0	12.5°	117.3	119.5	121.7	121.7	124.0	124.0	124.0	124.0	121.7	121.7
0.0	15°	106.3	110.7	112.9	115.1	115.1	117.3	117.3	117.3	117.3	117.3
0.0	17.5°	97.4	101.8	104.0	106.3	106.3	108.5	108.5	110.7	110.7	110.7
0.0	20°	79.7	84.1	86.3	90.8	93.0	95.2	97.4	99.6	99.6	101.8
0.0	22.5°	62.0	66.4	68.6	73.0	75.3	77.5	79.7	81.9	84.1	86.3
0.0	25°	44.3	48.7	50.9	55.3	57.6	59.8	62.0	64.2	64.2	66.4
0.0	27.5°	24.3	28.8	33.2	35.4	39.8	42.1	44.3	46.5	48.7	50.9
0.0	30°	11.1	13.3	15.5	19.9	22.1	24.3	26.6	31.0	33.2	35.4
0.0	32.5°	0.0	0.0	2.2	6.6	8.9	11.1	13.3	15.5	15.5	17.7
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	6.6	8.9
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	4.4	4.4	4.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	82.5°	11.1	13.3	15.5	15.5	17.7	17.7	17.7	17.7	15.5	15.5
	85°	22.1	24.3	26.6	26.6	28.8	28.8	28.8	28.8	28.8	28.8
	87.5°	31.0	33.2	35.4	35.4	37.6	37.6	37.6	37.6	37.6	37.6
	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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
128.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.7	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2	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											
6.6											
15.5											
28.8											
37.6											
0.0											
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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	148.3	148.3	146.1	146.1	146.1	146.1	146.1	148.3	150.5	150.5
0.0	5°	141.7	141.7	139.5	139.5	139.5	141.7	141.7	143.9	146.1	148.3
0.0	7.5°	135.0	132.8	132.8	135.0	135.0	137.2	137.2	139.5	141.7	143.9
0.0	10°	130.6	128.4	128.4	128.4	130.6	130.6	132.8	135.0	137.2	139.5
0.0	12.5°	121.7	121.7	121.7	121.7	124.0	124.0	126.2	128.4	132.8	135.0
0.0	15°	117.3	115.1	115.1	115.1	115.1	117.3	117.3	121.7	126.2	128.4
0.0	17.5°	108.5	108.5	106.3	106.3	108.5	108.5	110.7	115.1	119.5	121.7
0.0	20°	99.6	97.4	95.2	95.2	97.4	97.4	99.6	104.0	108.5	110.7
0.0	22.5°	86.3	84.1	84.1	84.1	84.1	86.3	86.3	90.8	97.4	101.8
0.0	25°	68.6	70.8	70.8	73.0	73.0	75.3	77.5	81.9	88.5	93.0
0.0	27.5°	53.1	55.3	55.3	59.8	62.0	64.2	66.4	73.0	79.7	84.1
0.0	30°	39.8	42.1	44.3	46.5	50.9	55.3	59.8	66.4	73.0	77.5
0.0	32.5°	24.3	28.8	31.0	35.4	39.8	44.3	48.7	55.3	64.2	70.8
0.0	35°	17.7	19.9	24.3	26.6	31.0	35.4	39.8	48.7	55.3	64.2
0.0	37.5°	8.9	13.3	17.7	22.1	26.6	31.0	35.4	44.3	53.1	59.8
0.0	40°	6.6	11.1	13.3	17.7	24.3	28.8	33.2	42.1	50.9	59.8
0.0	42.5°	4.4	6.6	8.9	15.5	19.9	26.6	33.2	42.1	50.9	59.8
0.0	45°	4.4	4.4	6.6	13.3	19.9	28.8	35.4	44.3	50.9	59.8
0.0	47.5°	4.4	6.6	8.9	17.7	22.1	28.8	35.4	42.1	50.9	57.6
0.0	50°	6.6	8.9	11.1	19.9	24.3	31.0	35.4	44.3	50.9	59.8
0.0	52.5°	4.4	6.6	8.9	17.7	24.3	33.2	39.8	48.7	57.6	64.2
0.0	55°	2.2	2.2	2.2	13.3	26.6	37.6	50.9	57.6	66.4	73.0
0.0	57.5°	0.0	0.0	0.0	8.9	26.6	42.1	57.6	66.4	75.3	81.9
0.0	60°	0.0	0.0	0.0	8.9	26.6	42.1	57.6	68.6	79.7	90.8
0.0	62.5°	0.0	0.0	0.0	8.9	22.1	35.4	48.7	66.4	86.3	104.0
0.0	65°	0.0	0.0	0.0	6.6	17.7	28.8	39.8	66.4	93.0	117.3
0.0	67.5°	0.0	0.0	0.0	6.6	17.7	26.6	37.6	66.4	93.0	121.7
	70°	0.0	0.0	0.0	6.6	17.7	28.8	39.8	66.4	93.0	119.5
	72.5°	0.0	0.0	0.0	6.6	19.9	31.0	44.3	66.4	88.5	110.7
	75°	0.0	0.0	0.0	8.9	19.9	33.2	46.5	66.4	86.3	104.0
	77.5°	0.0	0.0	0.0	6.6	19.9	31.0	44.3	64.2	84.1	101.8
	80°	6.6	4.4	4.4	11.1	19.9	28.8	37.6	57.6	79.7	99.6
	82.5°	13.3	13.3	11.1	15.5	19.9	26.6	33.2	50.9	70.8	88.5
	85°	26.6	26.6	24.3	26.6	26.6	28.8	31.0	39.8	48.7	57.6
	87.5°	35.4	35.4	33.2	33.2	33.2	31.0	31.0	31.0	31.0	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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
128.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.1	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.8	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148.3	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.1											
132.8											
124.0											
121.7											
119.5											
106.3											
66.4											
28.8											
0.0											
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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	154.9	157.2	157.2	159.4	161.6	163.8	163.8	166.0	166.0	166.0
0.0	5°	152.7	157.2	159.4	161.6	163.8	166.0	168.2	170.4	172.7	172.7
0.0	7.5°	150.5	152.7	157.2	159.4	163.8	166.0	170.4	172.7	174.9	177.1
0.0	10°	146.1	150.5	154.9	159.4	163.8	168.2	172.7	177.1	181.5	183.7
0.0	12.5°	141.7	148.3	152.7	157.2	163.8	170.4	174.9	181.5	185.9	190.4
0.0	15°	139.5	143.9	150.5	154.9	163.8	172.7	179.3	188.2	197.0	203.6
0.0	17.5°	132.8	141.7	148.3	154.9	163.8	174.9	183.7	192.6	205.9	219.1
0.0	20°	124.0	130.6	139.5	146.1	159.4	170.4	183.7	194.8	214.7	234.6
0.0	22.5°	115.1	124.0	130.6	139.5	154.9	168.2	183.7	197.0	230.2	261.2
0.0	25°	106.3	117.3	126.2	135.0	152.7	170.4	188.2	205.9	261.2	316.5
0.0	27.5°	101.8	110.7	121.7	130.6	152.7	177.1	199.2	221.4	309.9	396.2
0.0	30°	95.2	106.3	115.1	126.2	154.9	183.7	212.5	241.3	376.3	511.3
0.0	32.5°	88.5	99.6	110.7	121.7	159.4	197.0	232.4	270.1	447.1	622.0
0.0	35°	81.9	95.2	106.3	117.3	166.0	216.9	265.6	314.3	511.3	706.1
0.0	37.5°	79.7	93.0	104.0	115.1	168.2	219.1	272.3	323.2	518.0	712.8
0.0	40°	81.9	93.0	106.3	117.3	161.6	205.9	247.9	292.2	495.8	697.3
0.0	42.5°	81.9	95.2	108.5	121.7	157.2	192.6	228.0	263.4	489.2	715.0
0.0	45°	79.7	93.0	106.3	119.5	152.7	183.7	216.9	247.9	529.0	808.0
0.0	47.5°	77.5	90.8	104.0	117.3	150.5	183.7	216.9	250.1	684.0	1115.6
0.0	50°	77.5	90.8	101.8	112.9	152.7	194.8	234.6	274.5	996.1	1715.5
0.0	52.5°	81.9	93.0	101.8	110.7	157.2	205.9	252.3	298.8	1266.2	2231.3
0.0	55°	88.5	95.2	104.0	110.7	168.2	223.6	281.1	336.5	1348.1	2359.7
0.0	57.5°	97.4	104.0	110.7	117.3	188.2	259.0	327.6	398.4	1354.7	2308.7
0.0	60°	108.5	117.3	124.0	130.6	205.9	283.3	358.6	433.9	1226.3	2016.6
0.0	62.5°	132.8	143.9	152.7	163.8	236.9	307.7	380.7	451.6	1018.2	1584.9
0.0	65°	152.7	161.6	170.4	179.3	250.1	323.2	394.0	464.8	863.3	1261.7
0.0	67.5°	157.2	166.0	172.7	181.5	254.6	327.6	398.4	471.5	739.3	1005.0
	70°	159.4	170.4	183.7	194.8	270.1	345.3	418.4	493.6	655.2	816.8
	72.5°	152.7	174.9	194.8	214.7	285.5	354.2	425.0	493.6	608.7	723.8
	75°	152.7	183.7	212.5	241.3	294.4	345.3	398.4	449.4	537.9	626.4
	77.5°	161.6	201.4	241.3	281.1	312.1	340.9	371.9	400.7	458.2	515.8
	80°	161.6	203.6	243.5	285.5	298.8	314.3	327.6	340.9	347.5	354.2
	82.5°	139.5	172.7	205.9	239.1	223.6	208.1	192.6	177.1	166.0	152.7
	85°	70.8	77.5	81.9	86.3	79.7	73.0	66.4	59.8	55.3	48.7
	87.5°	28.8	28.8	26.6	26.6	26.6	26.6	24.3	24.3	24.3	24.3
	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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
128.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
347.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
471.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
655.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
887.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1109.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1259.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1372.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1485.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1706.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2149.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3276.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5018.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6317.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6461.4	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5830.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4984.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3895.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2944.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2173.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1538.4											
1144.4											
832.3											
626.4											
352.0											
159.4											
46.5											
22.1											
0.0											
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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	166.0	163.8	163.8	161.6	159.4	157.2	154.9	152.7	150.5	148.3
0.0	5°	172.7	172.7	172.7	170.4	170.4	168.2	168.2	166.0	163.8	161.6
0.0	7.5°	179.3	181.5	181.5	183.7	183.7	183.7	183.7	181.5	181.5	181.5
0.0	10°	190.4	192.6	194.8	197.0	199.2	201.4	201.4	203.6	203.6	203.6
0.0	12.5°	203.6	210.3	214.7	221.4	225.8	232.4	236.9	243.5	247.9	252.3
0.0	15°	223.6	234.6	247.9	259.0	270.1	285.5	303.3	318.8	334.2	358.6
0.0	17.5°	252.3	287.8	323.2	356.4	391.8	469.3	546.7	622.0	699.5	812.4
0.0	20°	307.7	413.9	518.0	624.2	728.3	1000.5	1270.6	1542.9	1812.9	2102.9
0.0	22.5°	431.6	692.8	954.0	1215.2	1476.4	2045.3	2612.0	3180.9	3747.6	4413.8
0.0	25°	626.4	1106.8	1587.1	2065.3	2545.6	3435.4	4327.5	5217.4	6107.2	6972.7
0.0	27.5°	912.0	1646.9	2381.8	3114.5	3849.4	5055.8	6264.4	7470.8	8677.2	9655.6
0.0	30°	1263.9	2260.0	3256.2	4252.3	5248.4	6620.8	7993.2	9363.4	10735.8	11804.9
0.0	32.5°	1596.0	2815.7	4035.3	5252.8	6472.5	8035.2	9600.2	11163.0	12725.8	13894.5
0.0	35°	1812.9	3287.1	4763.6	6237.8	7712.1	9403.2	11094.4	12783.3	14474.5	15809.3
0.0	37.5°	2029.8	3732.1	5432.1	7134.3	8834.3	10691.5	12548.7	14405.9	16263.0	17912.1
0.0	40°	2273.3	4270.0	6264.4	8261.0	10255.4	12455.7	14653.8	16854.1	19052.1	21378.6
0.0	42.5°	2696.1	5162.0	7630.1	10096.1	12562.0	15472.8	18383.6	21292.3	24203.1	27523.4
0.0	45°	3490.8	6966.1	10443.6	13918.9	17394.2	21250.2	25108.4	28964.5	32820.5	37238.8
0.0	47.5°	5436.5	10217.8	14996.9	19778.2	24557.3	28721.0	32882.5	37046.2	41207.7	45608.2
0.0	50°	8318.6	13883.5	19448.4	25011.0	30575.9	34343.4	38108.7	41876.2	45641.4	49827.3
0.0	52.5°	10403.7	16201.1	22000.6	27797.9	33595.2	36995.3	40397.5	43797.5	47197.6	51108.9
0.0	55°	10560.9	16325.0	22091.4	27855.5	33619.6	37035.1	40450.6	43866.2	47281.7	51427.7
0.0	57.5°	9350.1	15067.7	20783.1	26500.8	32216.2	36105.4	39992.4	43881.7	47768.7	52251.1
0.0	60°	7953.3	13673.2	19390.8	25110.7	30828.3	35308.5	39791.0	44271.2	48751.5	52950.6
0.0	62.5°	6204.6	12088.3	17974.1	23857.8	29741.4	34290.3	38839.2	43385.8	47934.7	51084.6
0.0	65°	4624.1	10337.3	16050.5	21761.5	27474.7	31118.3	34761.8	38403.1	42046.6	43996.8
0.0	67.5°	3342.5	8269.9	13195.0	18122.4	23047.6	25655.2	28262.8	30868.1	33475.7	34967.6
	70°	2260.0	5673.4	9084.5	12497.8	15908.9	18051.6	20196.5	22339.3	24482.0	26496.3
	72.5°	1565.0	3481.9	5401.1	7318.0	9235.0	11391.0	13544.8	15700.8	17854.6	19986.3
	75°	1038.2	1910.3	2784.7	3656.8	4528.9	6124.9	7723.1	9319.1	10915.1	12185.7
	77.5°	737.1	998.3	1261.7	1522.9	1784.1	2083.0	2384.0	2682.8	2981.7	3435.4
	80°	349.7	382.9	416.1	447.1	480.3	588.8	697.3	805.7	914.2	1029.3
	82.5°	166.0	179.3	192.6	203.6	216.9	228.0	239.1	250.1	261.2	250.1
	85°	44.3	44.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	44.3
	87.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	17.7	17.7	15.5
	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: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
128.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
385.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
923.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2395.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5080.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7838.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10634.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12876.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15065.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17144.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19563.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23705.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30843.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41657.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50008.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54013.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55020.3	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55575.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56733.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57147.5	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54236.7	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45949.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36461.8	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28508.5											
22117.9											
13456.2											
3889.2											
1144.4											
236.9											
42.1											
15.5											
0.0											
0.0											
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REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	2.5°	143.9	141.7	139.5	137.2	135.0	130.6	130.6	128.4	128.4
0.0	5°	157.2	154.9	152.7	150.5	150.5	148.3	146.1	146.1	143.9
0.0	7.5°	179.3	177.1	174.9	172.7	172.7	170.4	170.4	168.2	168.2
0.0	10°	205.9	205.9	205.9	205.9	205.9	203.6	203.6	203.6	201.4
0.0	12.5°	259.0	261.2	265.6	270.1	276.7	276.7	276.7	274.5	274.5
0.0	15°	409.5	433.9	451.6	469.3	484.8	520.2	515.8	509.1	504.7
0.0	17.5°	1035.9	1146.6	1206.4	1263.9	1323.7	1487.5	1461.0	1434.4	1410.0
0.0	20°	2685.1	2975.0	3167.6	3360.2	3555.0	3862.7	3787.4	3712.1	3636.9
0.0	22.5°	5744.2	6410.5	6700.5	6990.4	7278.2	7650.1	7408.8	7167.5	6928.5
0.0	25°	8701.5	9567.0	10056.2	10545.4	11032.4	11244.9	10930.6	10614.0	10299.7
0.0	27.5°	11612.3	12590.7	13022.4	13451.8	13883.5	14328.4	13938.8	13547.0	13157.4
0.0	30°	13945.4	15014.6	15481.7	15946.5	16413.6	16723.5	16320.6	15915.5	15512.6
0.0	32.5°	16234.3	17403.0	17914.4	18425.7	18934.8	19379.7	18883.9	18385.8	17890.0
0.0	35°	18476.6	19811.4	20515.3	21219.2	21923.1	22337.1	21748.3	21157.2	20568.4
0.0	37.5°	21212.6	22861.7	23649.7	24437.7	25225.8	25980.6	25332.0	24681.2	24032.6
0.0	40°	26031.5	28357.9	29566.6	30777.4	31986.0	32959.9	32140.9	31321.9	30502.9
0.0	42.5°	34164.1	37484.5	39222.1	40957.5	42695.2	44215.9	43354.8	42493.8	41632.7
0.0	45°	46075.3	50493.6	52612.0	54728.1	56846.5	57957.7	56718.1	55476.3	54236.7
0.0	47.5°	54407.2	58807.7	60693.7	62579.6	64465.6	65734.0	64217.7	62701.4	61187.3
0.0	50°	58196.8	62382.6	64275.2	66165.6	68058.2	69065.4	67314.4	65561.3	63810.4
0.0	52.5°	58929.5	62840.8	65098.7	67358.7	69616.5	70962.4	68894.9	66825.2	64757.8
0.0	55°	59721.9	63867.9	66486.6	69107.4	71726.1	73589.9	71252.4	68912.6	66575.1
0.0	57.5°	61213.9	65696.3	68308.3	70918.1	73530.1	75112.8	72768.7	70422.3	68078.1
0.0	60°	61346.7	65543.6	67788.1	70034.9	72279.5	73275.6	71033.2	68788.7	66546.3
0.0	62.5°	57386.6	60536.5	62094.9	63653.2	65211.5	66294.0	63954.2	61612.3	59272.6
0.0	65°	47899.3	49849.4	51091.2	52333.0	53574.9	54865.4	52722.6	50579.9	48437.2
0.0	67.5°	37953.7	39445.7	41081.5	42717.3	44353.2	45732.2	44016.7	42299.0	40583.5
	70°	30522.8	32534.9	34374.4	36213.9	38053.4	39182.3	37460.1	35735.8	34013.6
	72.5°	24249.6	26381.2	27917.4	29451.4	30987.7	31264.4	29998.2	28732.0	27468.1
	75°	14724.6	15995.2	16026.2	16055.0	16086.0	16349.4	15300.1	14250.9	13203.9
	77.5°	4343.0	4796.8	5170.9	5542.8	5916.9	6368.4	5983.3	5595.9	5210.7
	80°	1257.3	1372.4	1469.8	1565.0	1662.4	1604.8	1514.1	1423.3	1332.6
	82.5°	225.8	212.5	210.3	208.1	208.1	197.0	179.3	161.6	143.9
	85°	39.8	37.6	35.4	33.2	31.0	28.8	24.3	22.1	17.7
	87.5°	13.3	11.1	8.9	6.6	6.6	2.2	2.2	2.2	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):

325°	327.5°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
128.4	128.4	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.2	126.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.7	141.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166.0	163.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201.4	199.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
272.3	265.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
498.1	473.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1383.5	1266.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3561.6	3242.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6687.2	6096.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9983.2	9239.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12767.8	11911.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15109.8	14188.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17394.2	16291.8	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19979.6	18693.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23381.9	21801.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29683.9	27647.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40771.6	38020.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52997.1	49583.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59671.0	55985.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62059.4	58307.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62688.1	58860.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64235.4	60129.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65734.0	61523.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64304.0	60638.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56930.6	54013.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46294.4	44165.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38867.9	36468.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32289.2	29677.2										
26201.9	23848.9										
12154.7	11213.9										
4825.6	4316.4										
1241.8	1113.4										
126.2	119.5										
13.3	11.1										
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										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										
0.0	0.0										

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CATALOG NUMBER: GALN-SA8B-830-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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
0.0	0.0	2.5°	126.2	124.0	124.0	124.0	124.0	121.7	121.7	121.7	121.7
0.0	0.0	5°	139.5	139.5	137.2	137.2	135.0	135.0	132.8	132.8	130.6
0.0	0.0	7.5°	163.8	161.6	159.4	157.2	154.9	150.5	148.3	146.1	146.1
0.0	0.0	10°	197.0	192.6	190.4	185.9	183.7	179.3	174.9	170.4	166.0
0.0	0.0	12.5°	259.0	250.1	243.5	234.6	225.8	219.1	210.3	203.6	194.8
0.0	0.0	15°	449.4	427.2	402.9	374.1	343.1	314.3	283.3	265.6	245.7
0.0	0.0	17.5°	1148.8	1033.7	916.4	821.2	726.0	633.1	537.9	469.3	400.7
0.0	0.0	20°	2924.1	2605.4	2286.6	1972.3	1655.7	1341.4	1024.9	865.5	706.1
0.0	0.0	22.5°	5502.9	4911.9	4318.7	3745.3	3169.8	2596.5	2023.2	1662.4	1303.8
0.0	0.0	25°	8493.4	7749.7	7005.9	6062.9	5117.8	4174.8	3231.8	2645.2	2058.6
0.0	0.0	27.5°	11052.3	10195.7	9339.0	8192.4	7045.8	5899.1	4752.5	3878.2	3006.0
0.0	0.0	30°	13268.1	12347.3	11426.4	10091.6	8756.9	7422.1	6087.3	4993.8	3900.3
0.0	0.0	32.5°	15189.5	14087.1	12984.8	11607.9	10231.1	8854.2	7477.4	6136.0	4794.6
0.0	0.0	35°	17405.2	16119.2	14830.9	13303.5	11773.9	10246.6	8719.2	7205.1	5688.9
0.0	0.0	37.5°	20220.9	18642.6	17062.1	15359.9	13657.7	11957.7	10255.4	8524.4	6793.4
0.0	0.0	40°	25610.9	23574.4	21538.0	19375.3	17210.4	15047.8	12885.1	10760.1	8635.1
0.0	0.0	42.5°	35268.7	32517.2	29765.8	26888.1	24008.3	21130.7	18250.8	15253.7	12254.3
0.0	0.0	45°	46168.3	42755.0	39339.4	36109.8	32878.0	29648.5	26418.9	22306.1	18193.3
0.0	0.0	47.5°	52297.6	48612.0	44926.5	41869.5	38812.6	35755.7	32698.7	28265.0	23831.2
0.0	0.0	50°	54553.2	50801.3	47049.3	44235.8	41420.2	38606.7	35791.1	31350.7	26908.1
0.0	0.0	52.5°	55033.6	51206.3	47379.1	44547.9	41716.8	38887.9	36056.7	31645.1	27233.5
0.0	0.0	55°	56020.8	51914.7	47806.3	44578.9	41351.6	38124.2	34896.8	30414.3	25931.9
0.0	0.0	57.5°	57311.3	53101.1	48891.0	45214.2	41537.5	37863.0	34186.3	29285.4	24384.6
0.0	0.0	60°	56972.7	53309.2	49643.6	45705.6	41765.5	37827.6	33887.4	28497.4	23105.2
0.0	0.0	62.5°	51093.4	48176.0	45256.3	42017.8	38777.2	35538.7	32300.3	26750.9	21201.5
0.0	0.0	65°	42033.3	39903.9	37774.4	35169.1	32561.5	29956.1	27350.8	22374.7	17400.8
0.0	0.0	67.5°	34066.7	31667.2	29265.5	27189.2	25110.7	23034.3	20955.8	17040.0	13124.2
		70°	27065.2	24455.4	21843.4	19815.8	17786.0	15758.4	13730.7	11127.6	8526.6
		72.5°	21493.7	19140.7	16787.7	14625.0	12460.1	10297.5	8132.6	6594.2	5055.8
		75°	10273.1	9332.4	8391.6	7260.5	6129.4	4998.2	3867.1	3196.4	2527.9
		77.5°	3807.3	3300.4	2791.3	2330.9	1870.5	1412.3	951.8	872.1	792.5
		80°	985.0	858.9	730.5	639.7	546.7	456.0	365.2	329.8	296.6
		82.5°	112.9	104.0	97.4	93.0	86.3	81.9	75.3	68.6	62.0
		85°	6.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049166

CATALOG NUMBER: GALN-SA8B-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	128.4	128.4
0.0	0.0	2.5°	119.5	117.3
0.0	0.0	5°	126.2	124.0
0.0	0.0	7.5°	139.5	135.0
0.0	0.0	10°	152.7	148.3
0.0	0.0	12.5°	172.7	166.0
0.0	0.0	15°	194.8	181.5
0.0	0.0	17.5°	232.4	203.6
0.0	0.0	20°	314.3	241.3
0.0	0.0	22.5°	442.7	301.0
0.0	0.0	25°	650.8	416.1
0.0	0.0	27.5°	905.3	553.4
0.0	0.0	30°	1204.2	692.8
0.0	0.0	32.5°	1467.6	825.7
0.0	0.0	35°	1810.7	960.7
0.0	0.0	37.5°	2233.5	1133.3
0.0	0.0	40°	2888.7	1394.5
0.0	0.0	42.5°	4068.5	1877.1
0.0	0.0	45°	6607.5	3245.1
0.0	0.0	47.5°	10166.9	5367.9
0.0	0.0	50°	12438.0	6851.0
0.0	0.0	52.5°	12623.9	6839.9
0.0	0.0	55°	11523.8	6080.7
0.0	0.0	57.5°	9832.6	5082.3
0.0	0.0	60°	8172.5	4019.8
0.0	0.0	62.5°	6439.3	2775.8
0.0	0.0	65°	4706.0	1963.4
0.0	0.0	67.5°	3380.1	1467.6
		70°	2222.4	1124.5
		72.5°	1447.7	916.4
		75°	974.0	759.3
		77.5°	568.9	504.7
		80°	201.4	177.1
		82.5°	37.6	26.6
		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: P1049166

CATALOG NUMBER: GALN-SA8B-830-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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

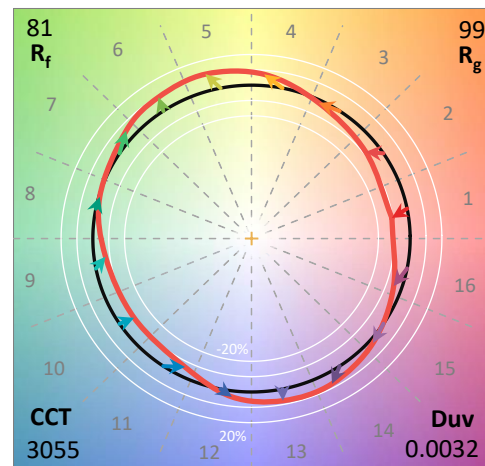
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

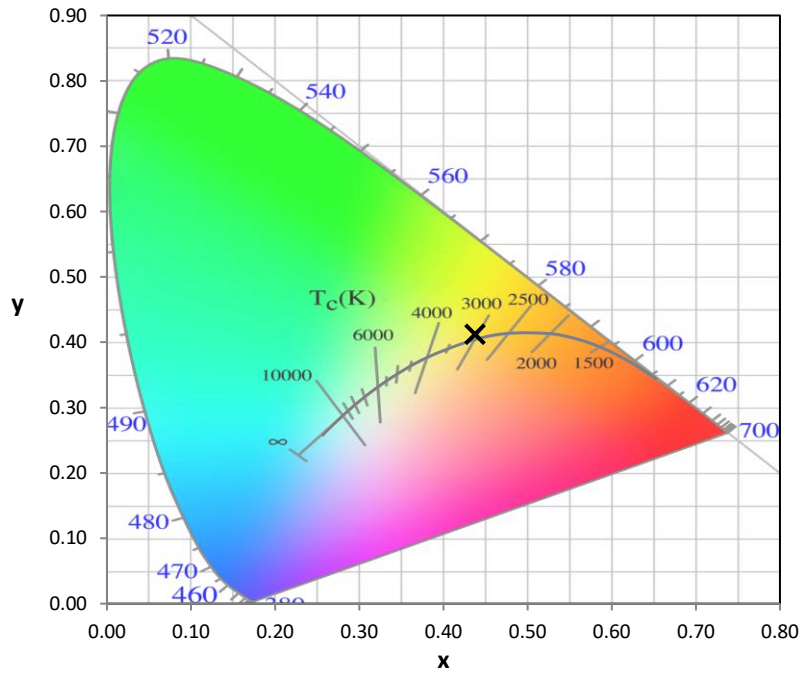
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

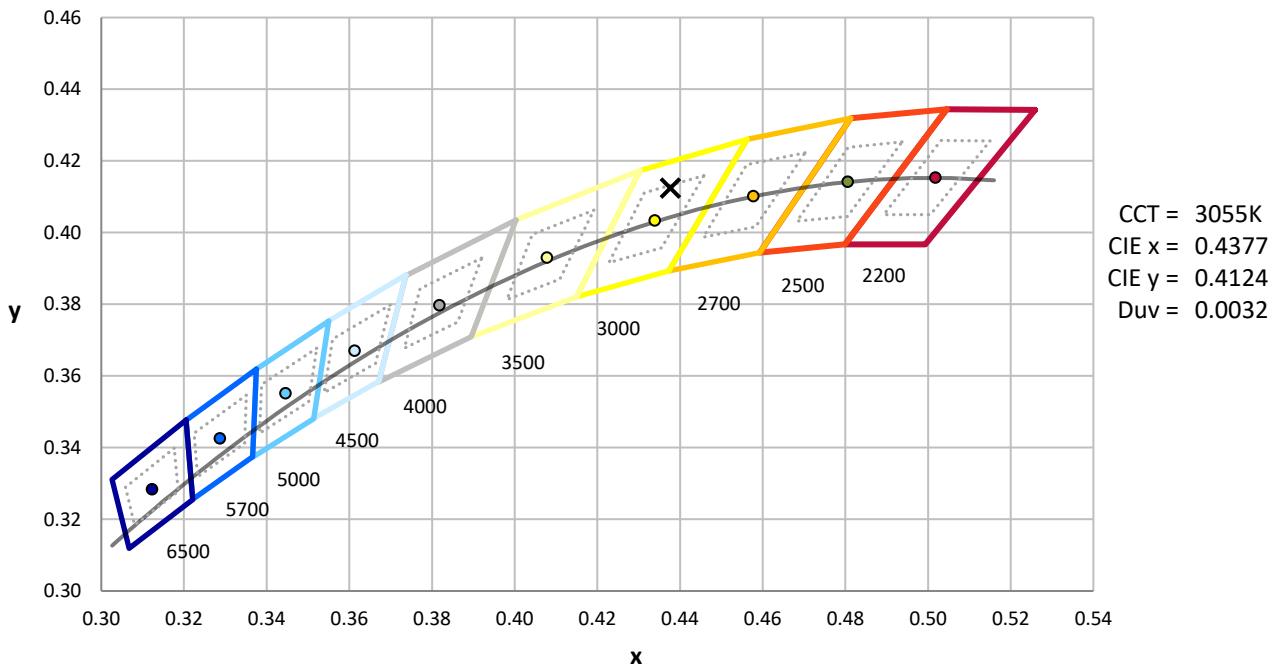
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



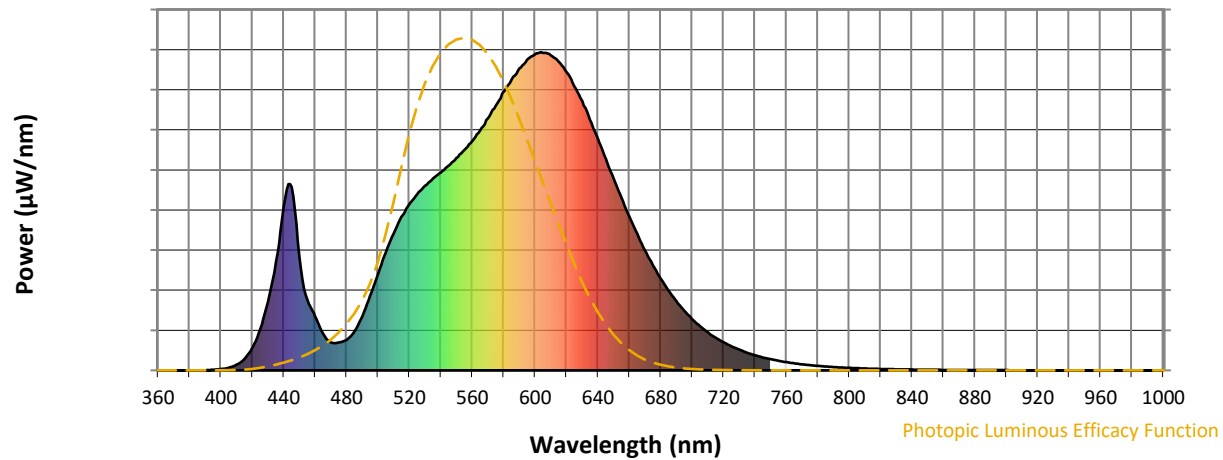
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

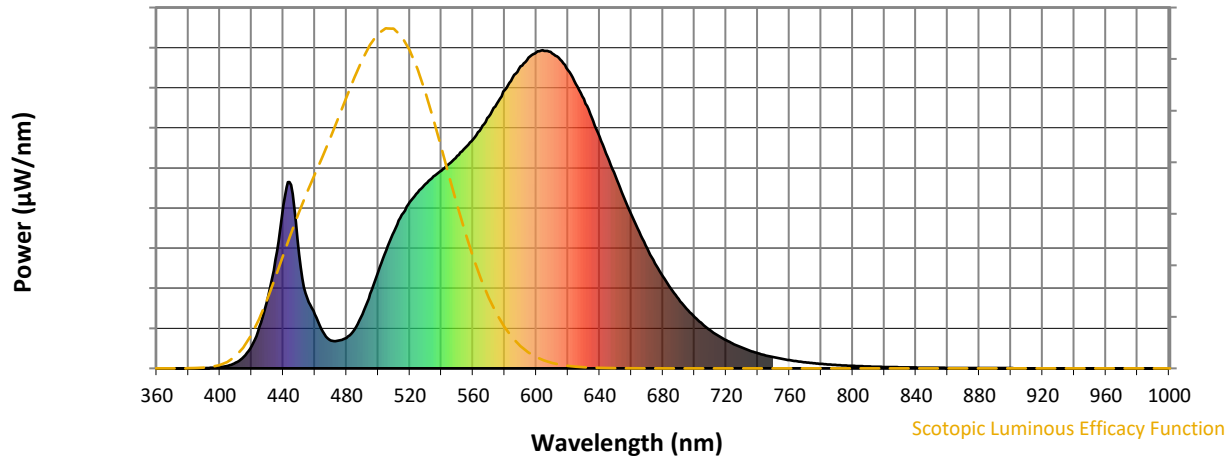


Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

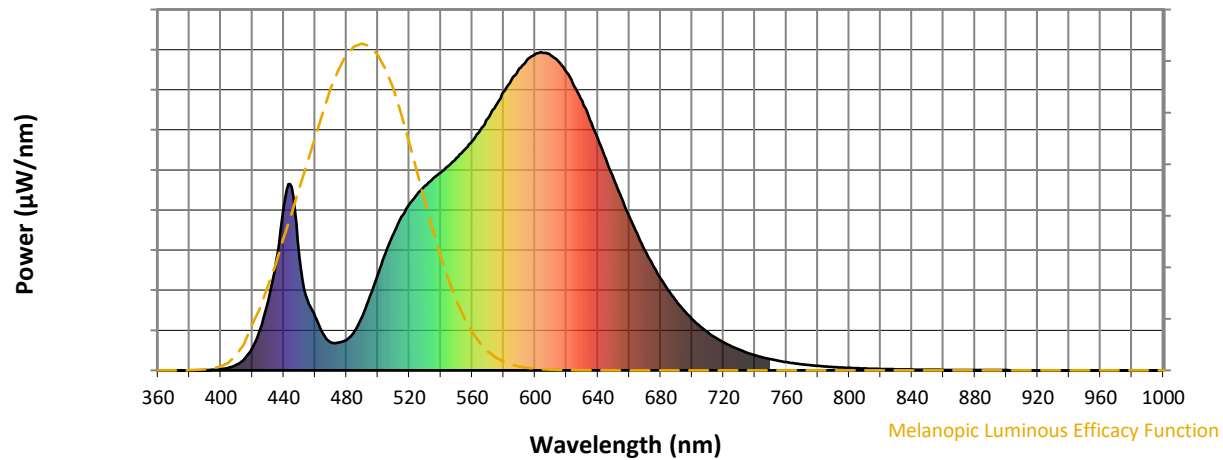
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

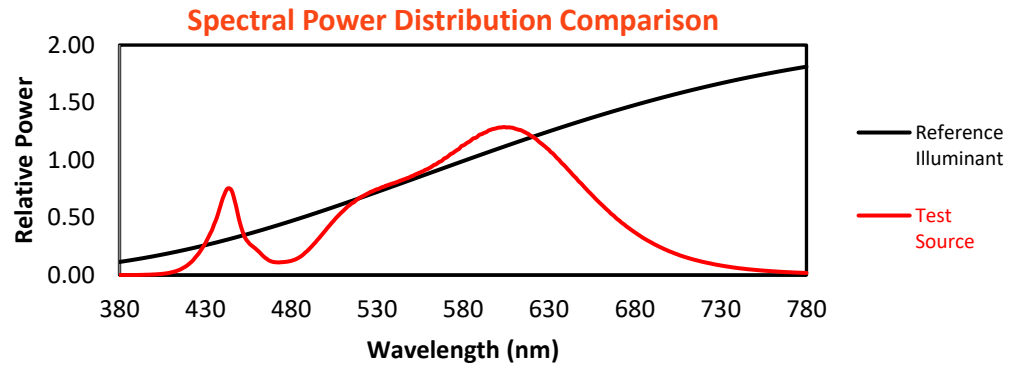
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

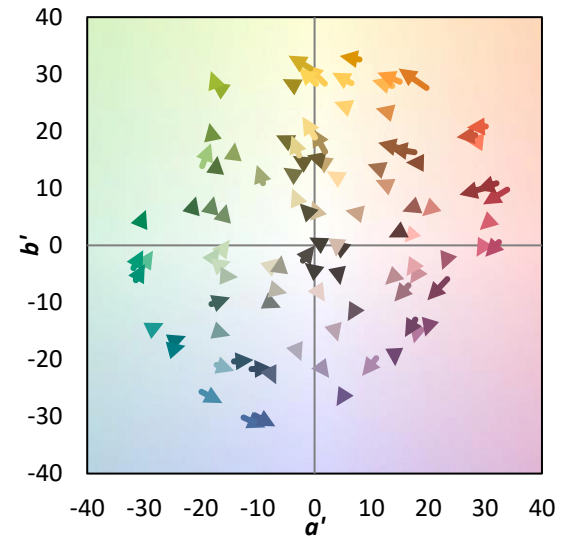
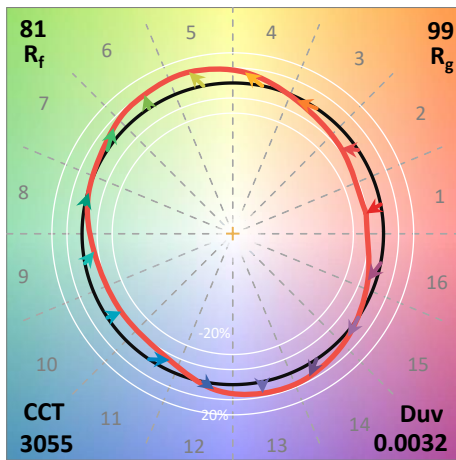
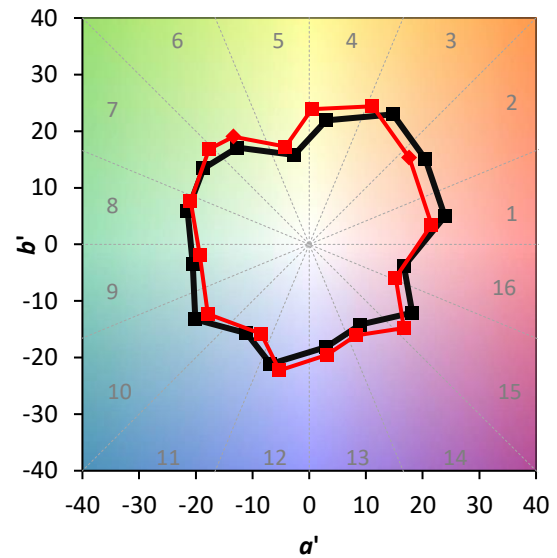
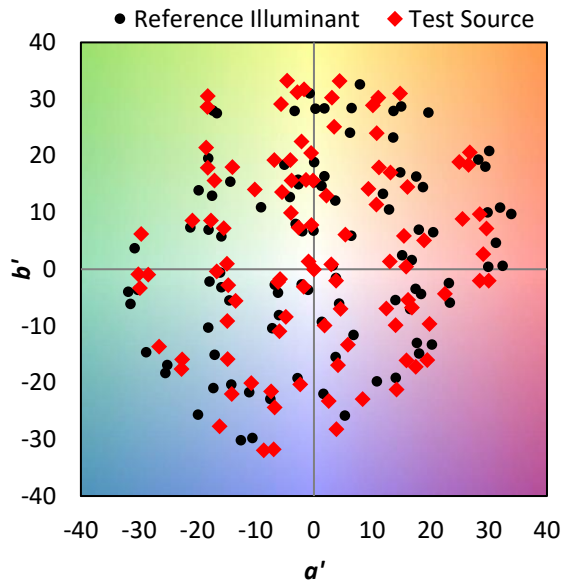
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_g = 6.8$

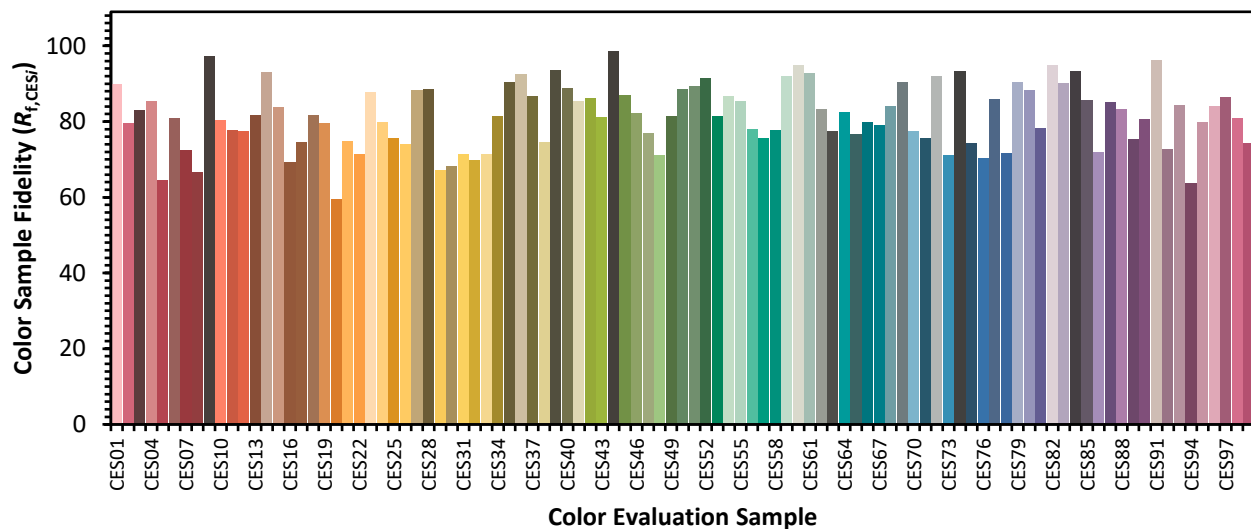


Color Vector Graphics

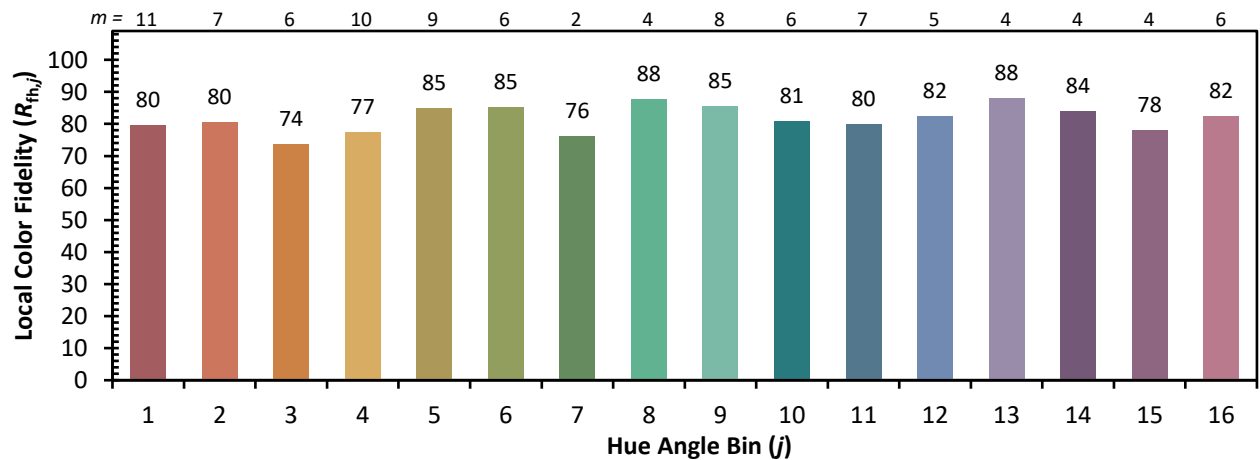
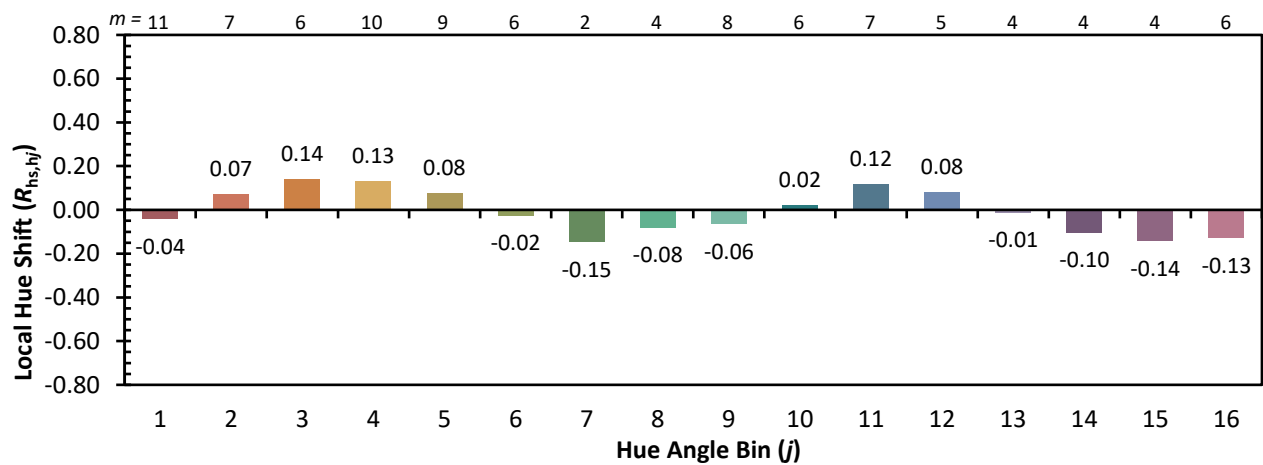
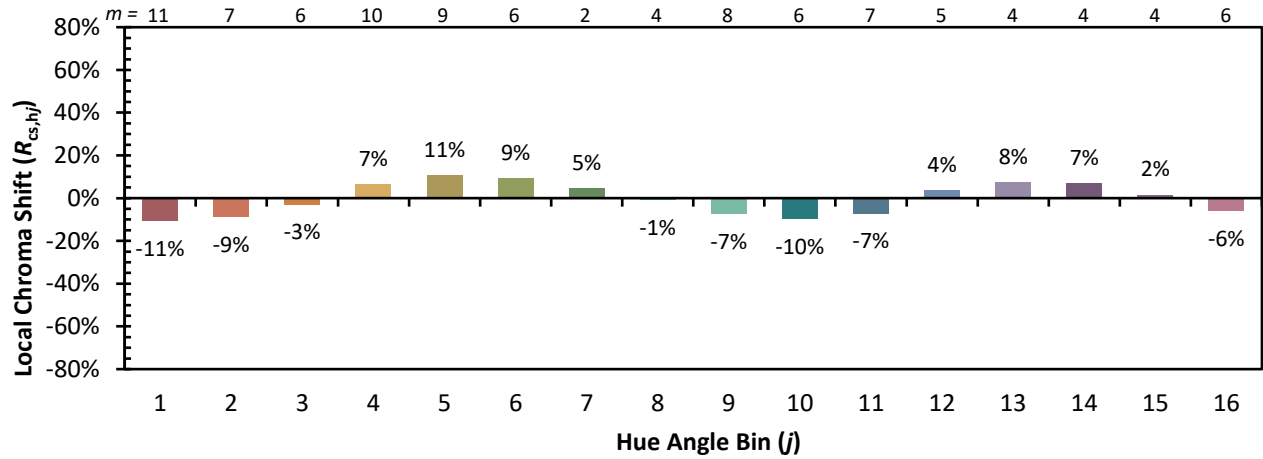


Individual Sample Fidelity Index ($R_{f,i}$)

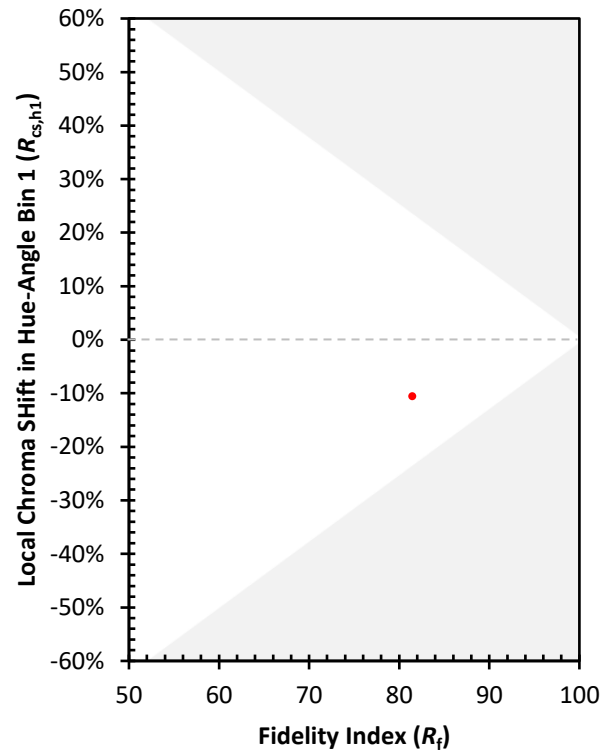
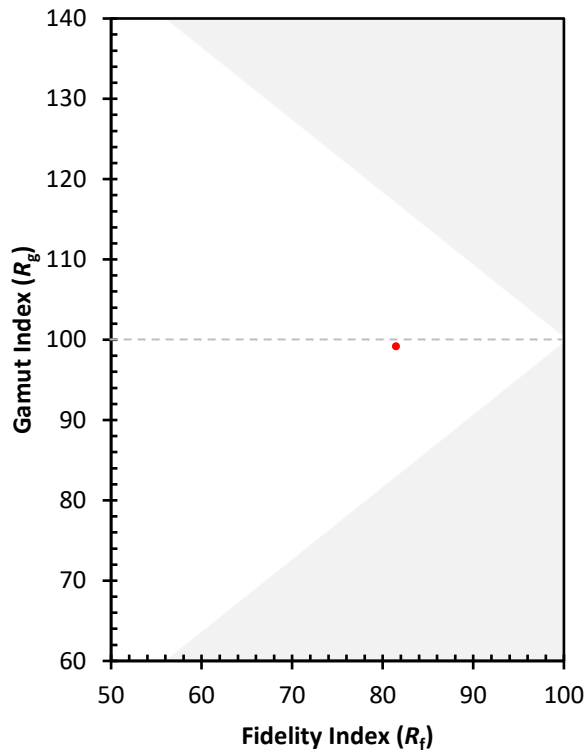
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)