

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: P1049165

Luminaire Tested: **GALN-SA8A-830-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049165
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 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: 23427.3 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

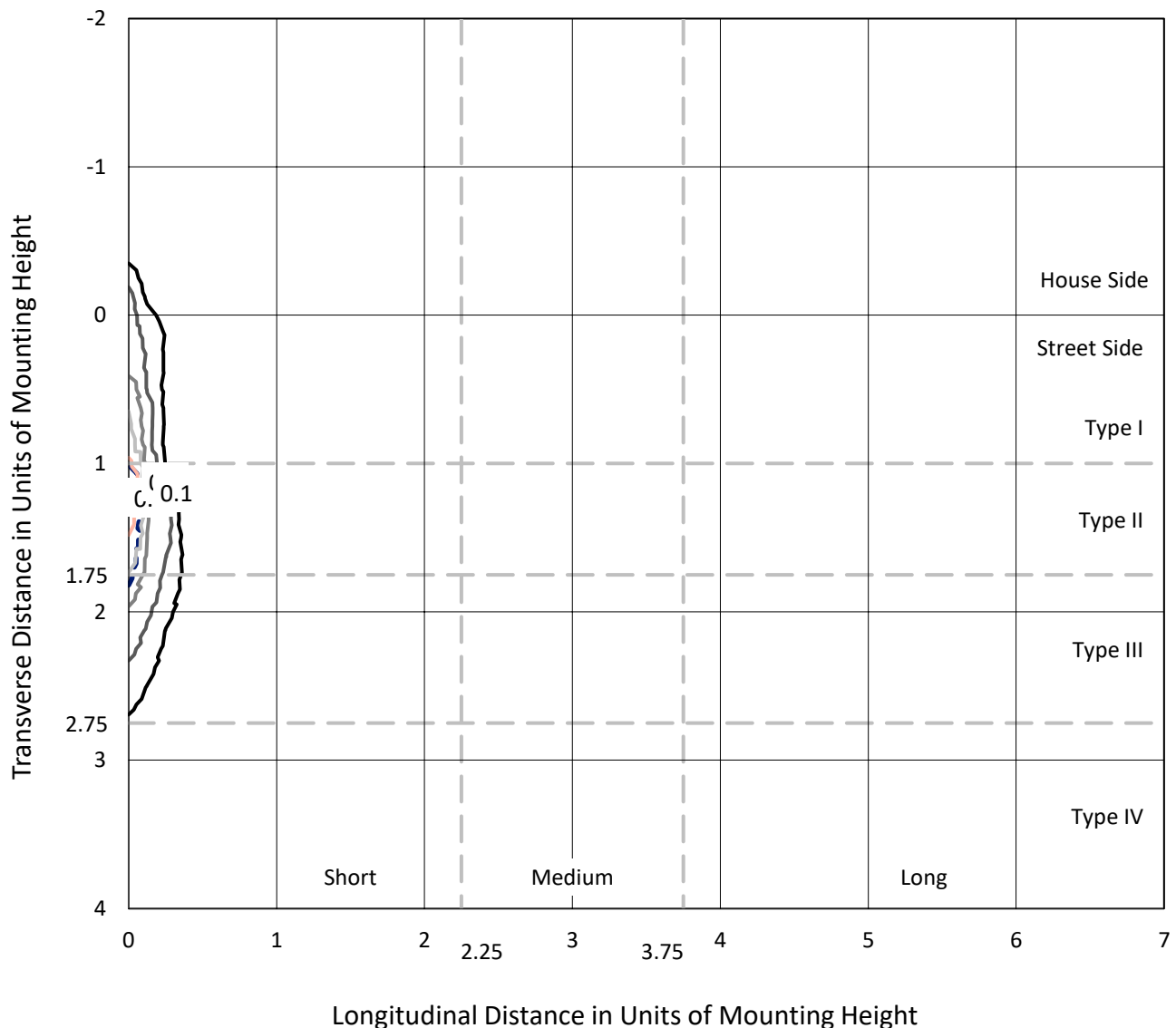
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

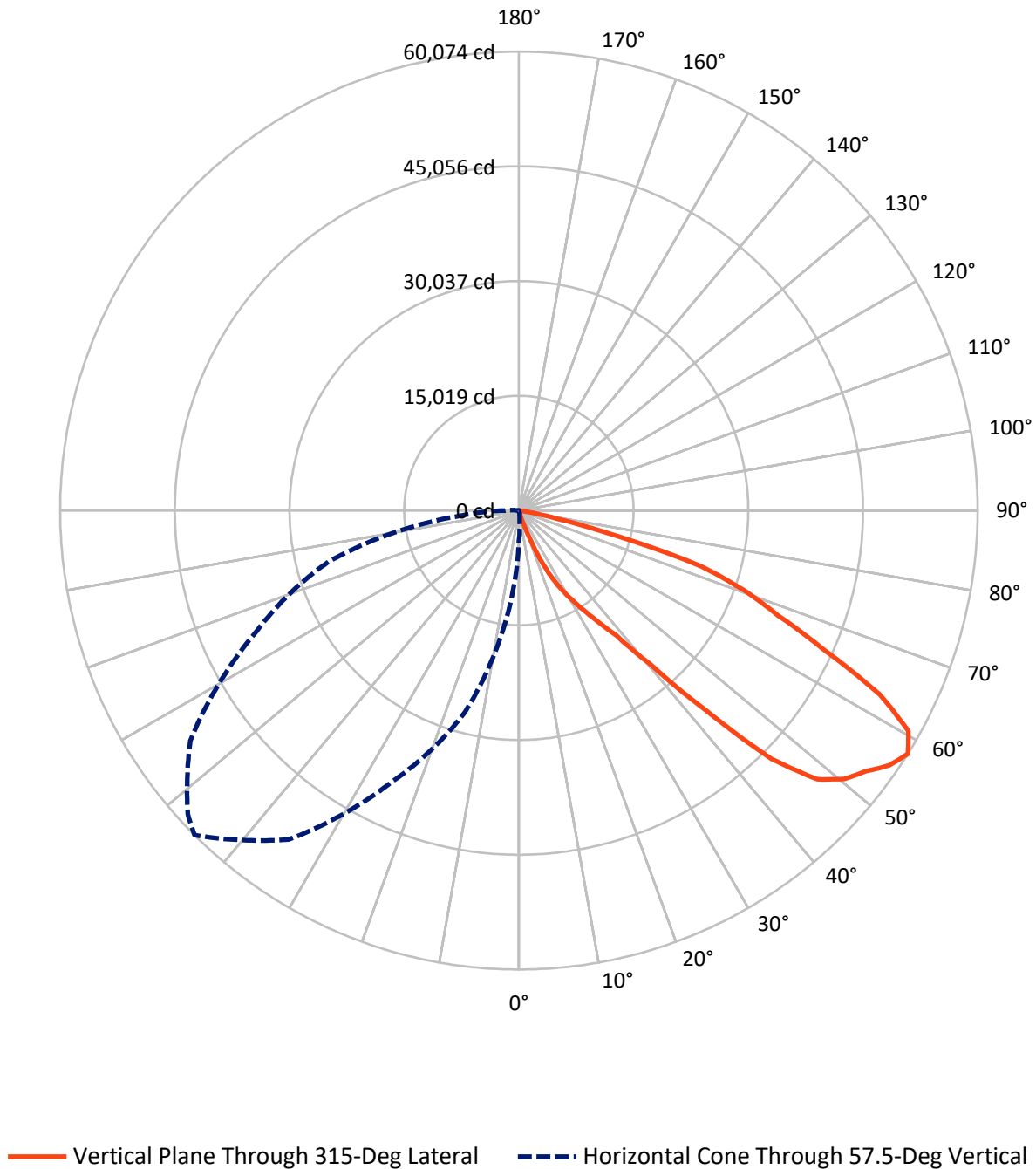
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 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	117.3	0.0	117.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	23309.9	0.0	23309.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	23427.3	0.0	23427.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.0
10°-20°	51.5	0.2
20°-30°	555.2	2.4
30°-40°	1641.8	7.0
40°-50°	4893.0	20.9
50°-60°	7758.6	33.1
60°-70°	6476.5	27.6
70°-80°	1997.1	8.5
80°-90°	44.4	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°	23427.3	100.0
0°-180°	23427.3	100.0



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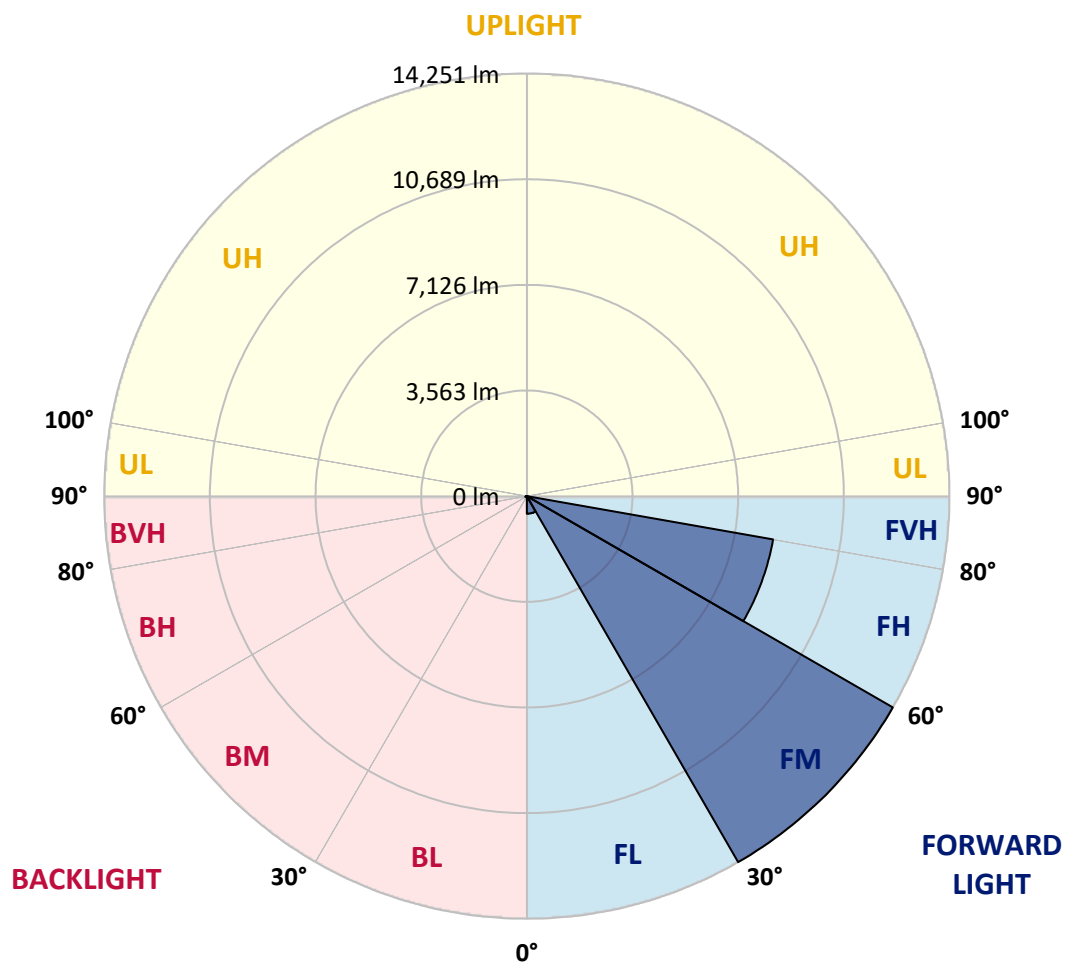
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	594.3	2.5			
FM	(30°-60°)	14251.4	60.8			
FH	(60°-80°)	8429.9	36.0			G4/12000
FVH	(80°-90°)	34.3	0.1			G1/100
BL	(0°-30°)	21.5	0.1	B0/110		
BM	(30°-60°)	41.9	0.2	B0/220		
BH	(60°-80°)	43.8	0.2	B0/110		G0/110
BVH	(80°-90°)	10.1	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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
2.5°	93.8	93.8	93.8	93.8	92.1	92.1	90.3	90.3	88.5	88.5
5°	99.1	99.1	97.4	95.6	95.6	93.8	92.1	90.3	90.3	88.5
7.5°	108.0	106.2	104.5	102.7	99.1	97.4	93.8	92.1	90.3	86.7
10°	118.6	115.1	111.5	108.0	104.5	100.9	97.4	95.6	92.1	90.3
12.5°	132.8	127.5	120.4	115.1	111.5	106.2	102.7	99.1	93.8	90.3
15°	145.2	138.1	129.2	122.2	116.8	109.8	104.5	99.1	95.6	90.3
17.5°	162.9	150.5	136.3	127.5	120.4	111.5	102.7	97.4	92.1	85.0
20°	193.0	168.2	141.6	131.0	120.4	109.8	99.1	92.1	86.7	79.7
22.5°	240.8	198.3	155.8	139.9	125.7	109.8	95.6	88.5	81.4	74.4
25°	332.8	256.7	180.6	159.3	138.1	116.8	95.6	86.7	79.7	70.8
27.5°	442.6	329.3	214.2	184.1	155.8	125.7	95.6	85.0	76.1	65.5
30°	554.1	403.6	251.4	212.4	173.5	134.5	95.6	83.2	72.6	60.2
32.5°	660.4	472.7	283.3	237.2	191.2	143.4	97.4	83.2	69.0	54.9
35°	768.3	529.3	288.6	240.8	193.0	143.4	95.6	79.7	65.5	49.6
37.5°	906.4	593.1	277.9	230.1	184.1	136.3	90.3	76.1	62.0	46.0
40°	1115.3	699.3	283.3	233.7	184.1	134.5	85.0	70.8	58.4	44.3
42.5°	1501.3	904.7	306.3	249.6	193.0	134.5	77.9	65.5	54.9	42.5
45°	2595.4	1503.1	410.7	325.7	240.8	155.8	70.8	60.2	51.3	40.7
47.5°	4293.2	2515.7	738.2	570.1	403.6	235.5	69.0	60.2	51.3	40.7
50°	5479.3	3204.4	929.4	715.2	501.0	286.8	72.6	62.0	53.1	42.5
52.5°	5470.5	3254.0	1035.7	794.9	555.9	315.1	76.1	65.5	56.7	46.0
55°	4863.2	2960.1	1055.1	810.8	568.3	324.0	81.4	70.8	60.2	49.6
57.5°	4064.8	2513.9	963.1	745.3	529.3	311.6	93.8	81.4	70.8	58.4
60°	3215.0	1982.8	750.6	593.1	437.3	279.7	123.9	108.0	93.8	77.9
62.5°	2220.1	1437.5	655.0	525.8	398.3	269.1	141.6	125.7	111.5	95.6
65°	1570.3	1081.7	591.3	481.5	373.5	263.8	154.0	136.3	120.4	102.7
67.5°	1173.8	860.4	545.3	451.4	357.6	263.8	170.0	148.7	129.2	108.0
70°	899.4	706.4	511.6	435.5	361.2	285.0	208.9	178.8	150.5	120.4
72.5°	732.9	603.7	472.7	417.8	362.9	308.0	253.2	214.2	175.3	134.5
75°	607.2	517.0	426.7	380.6	336.4	290.3	244.3	208.9	175.3	139.9
77.5°	403.6	368.2	331.1	304.5	277.9	249.6	223.1	193.0	164.6	134.5
80°	141.6	136.3	131.0	141.6	152.3	162.9	173.5	152.3	132.8	111.5
82.5°	21.2	19.5	17.7	19.5	21.2	23.0	24.8	26.6	28.3	30.1
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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	86.7	86.7	85.0	85.0	85.0	83.2	83.2	81.4	81.4	81.4
0.0	5°	85.0	85.0	83.2	81.4	79.7	79.7	77.9	76.1	76.1	74.4
0.0	7.5°	83.2	81.4	79.7	77.9	76.1	74.4	72.6	70.8	70.8	69.0
0.0	10°	85.0	81.4	79.7	76.1	74.4	72.6	69.0	67.3	65.5	65.5
0.0	12.5°	81.4	79.7	76.1	72.6	70.8	67.3	65.5	62.0	60.2	60.2
0.0	15°	81.4	77.9	72.6	69.0	65.5	63.7	60.2	56.7	54.9	53.1
0.0	17.5°	76.1	72.6	67.3	63.7	60.2	56.7	53.1	49.6	47.8	46.0
0.0	20°	69.0	65.5	60.2	54.9	51.3	47.8	44.3	40.7	38.9	37.2
0.0	22.5°	62.0	58.4	53.1	47.8	44.3	40.7	35.4	31.9	30.1	26.6
0.0	25°	58.4	53.1	47.8	42.5	37.2	33.6	28.3	23.0	19.5	15.9
0.0	27.5°	49.6	44.3	38.9	33.6	28.3	23.0	17.7	12.4	8.9	7.1
0.0	30°	42.5	37.2	31.9	26.6	19.5	14.2	8.9	1.8	1.8	1.8
0.0	32.5°	35.4	30.1	23.0	17.7	14.2	8.9	5.3	0.0	0.0	0.0
0.0	35°	28.3	23.0	15.9	10.6	8.9	5.3	3.5	0.0	0.0	0.0
0.0	37.5°	24.8	19.5	12.4	5.3	3.5	3.5	1.8	0.0	0.0	0.0
0.0	40°	23.0	15.9	8.9	1.8	1.8	1.8	0.0	0.0	0.0	0.0
0.0	42.5°	23.0	15.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	23.0	15.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	23.0	15.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	24.8	17.7	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	28.3	21.2	14.2	7.1	5.3	3.5	1.8	0.0	0.0	0.0
0.0	55°	35.4	31.9	26.6	23.0	17.7	12.4	5.3	0.0	0.0	0.0
0.0	57.5°	46.0	46.0	44.3	42.5	31.9	21.2	10.6	0.0	0.0	0.0
0.0	60°	62.0	62.0	62.0	62.0	46.0	31.9	15.9	0.0	0.0	0.0
0.0	62.5°	76.1	72.6	67.3	63.7	47.8	31.9	15.9	0.0	0.0	0.0
0.0	65°	76.1	69.0	60.2	51.3	38.9	26.6	12.4	0.0	0.0	0.0
0.0	67.5°	70.8	56.7	40.7	26.6	19.5	14.2	7.1	0.0	0.0	0.0
	70°	70.8	49.6	28.3	7.1	5.3	3.5	1.8	0.0	0.0	0.0
	72.5°	70.8	47.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	77.9	53.1	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	77.9	53.1	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	69.0	46.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	23.0	15.9	7.1	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):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	79.7	79.7	79.7	77.9	77.9	77.9	77.9	76.1	76.1	76.1
0.0	5°	72.6	72.6	70.8	70.8	69.0	69.0	67.3	67.3	65.5	65.5
0.0	7.5°	67.3	65.5	65.5	63.7	62.0	62.0	60.2	60.2	58.4	56.7
0.0	10°	62.0	60.2	60.2	58.4	56.7	54.9	54.9	53.1	51.3	49.6
0.0	12.5°	56.7	54.9	53.1	51.3	49.6	47.8	47.8	46.0	44.3	42.5
0.0	15°	49.6	47.8	46.0	44.3	42.5	40.7	40.7	38.9	37.2	35.4
0.0	17.5°	42.5	40.7	40.7	38.9	37.2	35.4	33.6	30.1	28.3	26.6
0.0	20°	31.9	30.1	28.3	26.6	24.8	21.2	19.5	15.9	12.4	10.6
0.0	22.5°	21.2	17.7	15.9	12.4	8.9	7.1	5.3	1.8	0.0	0.0
0.0	25°	7.1	5.3	3.5	1.8	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: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	74.4	74.4	74.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
0.0	5°	63.7	63.7	63.7	62.0	62.0	60.2	60.2	60.2	58.4	58.4
0.0	7.5°	54.9	53.1	53.1	51.3	51.3	49.6	49.6	49.6	47.8	47.8
0.0	10°	46.0	44.3	44.3	42.5	42.5	40.7	40.7	38.9	38.9	37.2
0.0	12.5°	40.7	38.9	37.2	35.4	35.4	33.6	31.9	31.9	30.1	28.3
0.0	15°	31.9	30.1	28.3	26.6	24.8	23.0	21.2	21.2	19.5	17.7
0.0	17.5°	21.2	17.7	15.9	14.2	14.2	12.4	10.6	8.9	7.1	5.3
0.0	20°	5.3	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	72.6	70.8	70.8	70.8	72.6	72.6	72.6	72.6	72.6	72.6
0.0	5°	58.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
0.0	7.5°	47.8	46.0	46.0	46.0	46.0	44.3	44.3	44.3	44.3	44.3
0.0	10°	37.2	35.4	35.4	35.4	35.4	33.6	33.6	33.6	33.6	33.6
0.0	12.5°	26.6	26.6	24.8	24.8	24.8	23.0	23.0	23.0	23.0	21.2
0.0	15°	15.9	14.2	12.4	12.4	12.4	10.6	10.6	10.6	10.6	8.9
0.0	17.5°	3.5	3.5	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA8A-830-U-RBC

[illegible]

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CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	74.4	74.4	76.1	76.1	77.9	81.4	83.2	85.0	88.5	92.1
0.0	5°	58.4	60.2	60.2	62.0	63.7	65.5	67.3	69.0	72.6	76.1
0.0	7.5°	46.0	46.0	47.8	47.8	49.6	53.1	54.9	56.7	60.2	65.5
0.0	10°	35.4	35.4	37.2	37.2	38.9	42.5	44.3	46.0	49.6	54.9
0.0	12.5°	23.0	24.8	24.8	26.6	28.3	31.9	33.6	35.4	38.9	42.5
0.0	15°	10.6	12.4	12.4	14.2	15.9	19.5	21.2	23.0	26.6	31.9
0.0	17.5°	1.8	1.8	3.5	3.5	5.3	7.1	8.9	10.6	15.9	19.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	7.1
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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



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CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	97.4	100.9	104.5	108.0	111.5	115.1	116.8	120.4	122.2	123.9
0.0	5°	83.2	86.7	92.1	95.6	99.1	102.7	106.2	108.0	109.8	111.5
0.0	7.5°	72.6	76.1	81.4	85.0	88.5	92.1	95.6	99.1	100.9	102.7
0.0	10°	62.0	67.3	70.8	76.1	79.7	83.2	86.7	90.3	93.8	95.6
0.0	12.5°	49.6	54.9	60.2	63.7	69.0	74.4	77.9	81.4	85.0	88.5
0.0	15°	38.9	44.3	49.6	53.1	58.4	63.7	69.0	72.6	76.1	79.7
0.0	17.5°	28.3	33.6	38.9	42.5	47.8	53.1	56.7	62.0	65.5	69.0
0.0	20°	14.2	19.5	24.8	30.1	35.4	40.7	44.3	49.6	53.1	56.7
0.0	22.5°	1.8	7.1	12.4	15.9	21.2	26.6	30.1	35.4	38.9	42.5
0.0	25°	0.0	1.8	5.3	7.1	8.9	12.4	15.9	19.5	23.0	26.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.8	3.5	7.1	10.6	14.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.5
	85°	0.0	0.0	0.0	0.0	0.0	3.5	5.3	8.9	10.6	12.4
	87.5°	0.0	1.8	3.5	5.3	7.1	10.6	14.2	17.7	19.5	21.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
102.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
1.8											
7.1											
15.9											
23.0											
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REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	125.7	125.7	125.7	125.7	123.9	123.9	123.9	122.2	122.2	120.4
0.0	5°	115.1	116.8	116.8	116.8	116.8	116.8	116.8	116.8	115.1	115.1
0.0	7.5°	106.2	108.0	109.8	109.8	111.5	111.5	111.5	109.8	109.8	108.0
0.0	10°	100.9	102.7	102.7	104.5	104.5	104.5	104.5	104.5	104.5	104.5
0.0	12.5°	93.8	95.6	97.4	97.4	99.1	99.1	99.1	99.1	97.4	97.4
0.0	15°	85.0	88.5	90.3	92.1	92.1	93.8	93.8	93.8	93.8	93.8
0.0	17.5°	77.9	81.4	83.2	85.0	85.0	86.7	86.7	88.5	88.5	88.5
0.0	20°	63.7	67.3	69.0	72.6	74.4	76.1	77.9	79.7	79.7	81.4
0.0	22.5°	49.6	53.1	54.9	58.4	60.2	62.0	63.7	65.5	67.3	69.0
0.0	25°	35.4	38.9	40.7	44.3	46.0	47.8	49.6	51.3	51.3	53.1
0.0	27.5°	19.5	23.0	26.6	28.3	31.9	33.6	35.4	37.2	38.9	40.7
0.0	30°	8.9	10.6	12.4	15.9	17.7	19.5	21.2	24.8	26.6	28.3
0.0	32.5°	0.0	0.0	1.8	5.3	7.1	8.9	10.6	12.4	12.4	14.2
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	5.3	7.1
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°	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	82.5°	8.9	10.6	12.4	12.4	14.2	14.2	14.2	14.2	12.4	12.4
	85°	17.7	19.5	21.2	21.2	23.0	23.0	23.0	23.0	23.0	23.0
	87.5°	24.8	26.6	28.3	28.3	30.1	30.1	30.1	30.1	30.1	30.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
102.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.4	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
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5.3											
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REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	118.6	118.6	116.8	116.8	116.8	116.8	116.8	118.6	120.4	120.4
0.0	5°	113.3	113.3	111.5	111.5	111.5	113.3	113.3	115.1	116.8	118.6
0.0	7.5°	108.0	106.2	106.2	108.0	108.0	109.8	109.8	111.5	113.3	115.1
0.0	10°	104.5	102.7	102.7	102.7	104.5	104.5	106.2	108.0	109.8	111.5
0.0	12.5°	97.4	97.4	97.4	97.4	99.1	99.1	100.9	102.7	106.2	108.0
0.0	15°	93.8	92.1	92.1	92.1	92.1	93.8	93.8	97.4	100.9	102.7
0.0	17.5°	86.7	86.7	85.0	85.0	86.7	86.7	88.5	92.1	95.6	97.4
0.0	20°	79.7	77.9	76.1	76.1	77.9	77.9	79.7	83.2	86.7	88.5
0.0	22.5°	69.0	67.3	67.3	67.3	67.3	69.0	69.0	72.6	77.9	81.4
0.0	25°	54.9	56.7	56.7	58.4	58.4	60.2	62.0	65.5	70.8	74.4
0.0	27.5°	42.5	44.3	44.3	47.8	49.6	51.3	53.1	58.4	63.7	67.3
0.0	30°	31.9	33.6	35.4	37.2	40.7	44.3	47.8	53.1	58.4	62.0
0.0	32.5°	19.5	23.0	24.8	28.3	31.9	35.4	38.9	44.3	51.3	56.7
0.0	35°	14.2	15.9	19.5	21.2	24.8	28.3	31.9	38.9	44.3	51.3
0.0	37.5°	7.1	10.6	14.2	17.7	21.2	24.8	28.3	35.4	42.5	47.8
0.0	40°	5.3	8.9	10.6	14.2	19.5	23.0	26.6	33.6	40.7	47.8
0.0	42.5°	3.5	5.3	7.1	12.4	15.9	21.2	26.6	33.6	40.7	47.8
0.0	45°	3.5	3.5	5.3	10.6	15.9	23.0	28.3	35.4	40.7	47.8
0.0	47.5°	3.5	5.3	7.1	14.2	17.7	23.0	28.3	33.6	40.7	46.0
0.0	50°	5.3	7.1	8.9	15.9	19.5	24.8	28.3	35.4	40.7	47.8
0.0	52.5°	3.5	5.3	7.1	14.2	19.5	26.6	31.9	38.9	46.0	51.3
0.0	55°	1.8	1.8	1.8	10.6	21.2	30.1	40.7	46.0	53.1	58.4
0.0	57.5°	0.0	0.0	0.0	7.1	21.2	33.6	46.0	53.1	60.2	65.5
0.0	60°	0.0	0.0	0.0	7.1	21.2	33.6	46.0	54.9	63.7	72.6
0.0	62.5°	0.0	0.0	0.0	7.1	17.7	28.3	38.9	53.1	69.0	83.2
0.0	65°	0.0	0.0	0.0	5.3	14.2	23.0	31.9	53.1	74.4	93.8
0.0	67.5°	0.0	0.0	0.0	5.3	14.2	21.2	30.1	53.1	74.4	97.4
	70°	0.0	0.0	0.0	5.3	14.2	23.0	31.9	53.1	74.4	95.6
	72.5°	0.0	0.0	0.0	5.3	15.9	24.8	35.4	53.1	70.8	88.5
	75°	0.0	0.0	0.0	7.1	15.9	26.6	37.2	53.1	69.0	83.2
	77.5°	0.0	0.0	0.0	5.3	15.9	24.8	35.4	51.3	67.3	81.4
	80°	5.3	3.5	3.5	8.9	15.9	23.0	30.1	46.0	63.7	79.7
	82.5°	10.6	10.6	8.9	12.4	15.9	21.2	26.6	40.7	56.7	70.8
	85°	21.2	21.2	19.5	21.2	21.2	23.0	24.8	31.9	38.9	46.0
	87.5°	28.3	28.3	26.6	26.6	26.6	24.8	24.8	24.8	24.8	23.0
	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: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
102.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.3	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.8											
106.2											
99.1											
97.4											
95.6											
85.0											
53.1											
23.0											
0.0											
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REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	123.9	125.7	125.7	127.5	129.2	131.0	131.0	132.8	132.8	132.8
0.0	5°	122.2	125.7	127.5	129.2	131.0	132.8	134.5	136.3	138.1	138.1
0.0	7.5°	120.4	122.2	125.7	127.5	131.0	132.8	136.3	138.1	139.9	141.6
0.0	10°	116.8	120.4	123.9	127.5	131.0	134.5	138.1	141.6	145.2	146.9
0.0	12.5°	113.3	118.6	122.2	125.7	131.0	136.3	139.9	145.2	148.7	152.3
0.0	15°	111.5	115.1	120.4	123.9	131.0	138.1	143.4	150.5	157.6	162.9
0.0	17.5°	106.2	113.3	118.6	123.9	131.0	139.9	146.9	154.0	164.6	175.3
0.0	20°	99.1	104.5	111.5	116.8	127.5	136.3	146.9	155.8	171.7	187.7
0.0	22.5°	92.1	99.1	104.5	111.5	123.9	134.5	146.9	157.6	184.1	208.9
0.0	25°	85.0	93.8	100.9	108.0	122.2	136.3	150.5	164.6	208.9	253.2
0.0	27.5°	81.4	88.5	97.4	104.5	122.2	141.6	159.3	177.0	247.9	316.9
0.0	30°	76.1	85.0	92.1	100.9	123.9	146.9	170.0	193.0	301.0	409.0
0.0	32.5°	70.8	79.7	88.5	97.4	127.5	157.6	185.9	216.0	357.6	497.5
0.0	35°	65.5	76.1	85.0	93.8	132.8	173.5	212.4	251.4	409.0	564.8
0.0	37.5°	63.7	74.4	83.2	92.1	134.5	175.3	217.8	258.5	414.3	570.1
0.0	40°	65.5	74.4	85.0	93.8	129.2	164.6	198.3	233.7	396.6	557.7
0.0	42.5°	65.5	76.1	86.7	97.4	125.7	154.0	182.3	210.7	391.3	571.8
0.0	45°	63.7	74.4	85.0	95.6	122.2	146.9	173.5	198.3	423.1	646.2
0.0	47.5°	62.0	72.6	83.2	93.8	120.4	146.9	173.5	200.1	547.0	892.3
0.0	50°	62.0	72.6	81.4	90.3	122.2	155.8	187.7	219.5	796.7	1372.0
0.0	52.5°	65.5	74.4	81.4	88.5	125.7	164.6	201.8	239.0	1012.7	1784.5
0.0	55°	70.8	76.1	83.2	88.5	134.5	178.8	224.8	269.1	1078.2	1887.2
0.0	57.5°	77.9	83.2	88.5	93.8	150.5	207.1	262.0	318.7	1083.5	1846.5
0.0	60°	86.7	93.8	99.1	104.5	164.6	226.6	286.8	347.0	980.8	1612.8
0.0	62.5°	106.2	115.1	122.2	131.0	189.4	246.1	304.5	361.2	814.4	1267.6
0.0	65°	122.2	129.2	136.3	143.4	200.1	258.5	315.1	371.8	690.4	1009.1
0.0	67.5°	125.7	132.8	138.1	145.2	203.6	262.0	318.7	377.1	591.3	803.8
	70°	127.5	136.3	146.9	155.8	216.0	276.2	334.6	394.8	524.0	653.3
	72.5°	122.2	139.9	155.8	171.7	228.4	283.3	339.9	394.8	486.9	578.9
	75°	122.2	146.9	170.0	193.0	235.5	276.2	318.7	359.4	430.2	501.0
	77.5°	129.2	161.1	193.0	224.8	249.6	272.6	297.4	320.4	366.5	412.5
	80°	129.2	162.9	194.7	228.4	239.0	251.4	262.0	272.6	277.9	283.3
	82.5°	111.5	138.1	164.6	191.2	178.8	166.4	154.0	141.6	132.8	122.2
	85°	56.7	62.0	65.5	69.0	63.7	58.4	53.1	47.8	44.3	38.9
	87.5°	23.0	23.0	21.2	21.2	21.2	21.2	19.5	19.5	19.5	19.5
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
102.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
217.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
277.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
377.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
524.0	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
709.9	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
887.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1007.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1097.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1187.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1365.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1719.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2620.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4013.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5052.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5167.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4663.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3986.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3115.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2354.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1738.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1230.4											
915.3											
665.7											
501.0											
281.5											
127.5											
37.2											
17.7											
0.0											
0.0											
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REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	132.8	131.0	131.0	129.2	127.5	125.7	123.9	122.2	120.4	118.6
0.0	5°	138.1	138.1	138.1	136.3	136.3	134.5	134.5	132.8	131.0	129.2
0.0	7.5°	143.4	145.2	145.2	146.9	146.9	146.9	146.9	145.2	145.2	145.2
0.0	10°	152.3	154.0	155.8	157.6	159.3	161.1	161.1	162.9	162.9	162.9
0.0	12.5°	162.9	168.2	171.7	177.0	180.6	185.9	189.4	194.7	198.3	201.8
0.0	15°	178.8	187.7	198.3	207.1	216.0	228.4	242.5	254.9	267.3	286.8
0.0	17.5°	201.8	230.1	258.5	285.0	313.4	375.3	437.3	497.5	559.4	649.7
0.0	20°	246.1	331.1	414.3	499.2	582.5	800.2	1016.2	1234.0	1449.9	1681.9
0.0	22.5°	345.2	554.1	763.0	971.9	1180.8	1635.8	2089.0	2544.0	2997.2	3530.1
0.0	25°	501.0	885.2	1269.4	1651.8	2035.9	2747.6	3461.1	4172.8	4884.5	5576.7
0.0	27.5°	729.4	1317.2	1904.9	2490.9	3078.7	4043.5	5010.2	5975.0	6939.9	7722.4
0.0	30°	1010.9	1807.6	2604.2	3400.9	4197.6	5295.2	6392.8	7488.7	8586.3	9441.4
0.0	32.5°	1276.4	2251.9	3227.4	4201.1	5176.6	6426.5	7678.1	8928.0	10177.9	11112.7
0.0	35°	1449.9	2629.0	3809.9	4988.9	6168.0	7520.6	8873.1	10223.9	11576.5	12644.0
0.0	37.5°	1623.4	2984.9	4344.5	5705.9	7065.6	8550.9	10036.3	11521.6	13007.0	14325.9
0.0	40°	1818.2	3415.1	5010.2	6607.0	8202.2	9961.9	11719.9	13479.7	15237.6	17098.3
0.0	42.5°	2156.3	4128.5	6102.5	8074.7	10046.9	12374.9	14703.0	17029.3	19357.3	22012.9
0.0	45°	2791.9	5571.4	8352.6	11132.1	13911.6	16995.6	20081.4	23165.4	26249.4	29783.1
0.0	47.5°	4348.0	8172.1	11994.3	15818.3	19640.6	22970.6	26299.0	29629.0	32957.3	36476.9
0.0	50°	6653.1	11103.8	15554.5	20003.5	24454.2	27467.4	30478.8	33492.0	36503.4	39851.2
0.0	52.5°	8320.8	12957.4	17595.8	22232.4	26869.0	29588.3	32309.4	35028.7	37748.0	40876.2
0.0	55°	8446.5	13056.5	17668.4	22278.4	26888.5	29620.2	32351.9	35083.6	37815.3	41131.2
0.0	57.5°	7478.1	12051.0	16622.1	21195.0	25766.1	28876.6	31985.4	35096.0	38204.7	41789.8
0.0	60°	6361.0	10935.6	15508.5	20083.2	24656.0	28239.3	31824.3	35407.5	38990.8	42349.2
0.0	62.5°	4962.4	9668.0	14375.5	19081.1	23786.8	27424.9	31063.0	34699.4	38337.5	40856.8
0.0	65°	3698.3	8267.7	12837.0	17404.6	21973.9	24888.0	27802.0	30714.3	33628.3	35188.0
0.0	67.5°	2673.3	6614.1	10553.2	14494.1	18433.2	20518.7	22604.2	24687.9	26773.4	27966.6
	70°	1807.6	4537.5	7265.6	9995.5	12723.7	14437.4	16152.9	17866.6	19580.4	21191.4
	72.5°	1251.7	2784.8	4319.7	5852.9	7386.0	9110.4	10832.9	12557.3	14279.9	15984.7
	75°	830.3	1527.8	2227.1	2924.7	3622.2	4898.6	6176.8	7453.3	8729.7	9745.9
	77.5°	589.5	798.4	1009.1	1218.0	1426.9	1665.9	1906.7	2145.7	2384.7	2747.6
	80°	279.7	306.3	332.8	357.6	384.2	470.9	557.7	644.4	731.2	823.2
	82.5°	132.8	143.4	154.0	162.9	173.5	182.3	191.2	200.1	208.9	200.1
	85°	35.4	35.4	37.2	37.2	37.2	37.2	37.2	37.2	37.2	35.4
	87.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	14.2	14.2	12.4
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049165

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
102.7	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.8	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
143.4	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
738.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1915.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4063.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6268.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8504.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10298.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12049.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13711.6	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15646.6	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18959.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24668.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33316.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39996.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43199.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44004.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44448.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45374.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45705.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43377.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36749.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29161.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22800.7											
17689.6											
10762.1											
3110.6											
915.3											
189.4											
33.6											
12.4											
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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	2.5°	115.1	113.3	111.5	109.8	108.0	104.5	104.5	102.7	102.7
0.0	5°	125.7	123.9	122.2	120.4	120.4	118.6	116.8	116.8	115.1
0.0	7.5°	143.4	141.6	139.9	138.1	138.1	136.3	136.3	134.5	134.5
0.0	10°	164.6	164.6	164.6	164.6	164.6	162.9	162.9	162.9	161.1
0.0	12.5°	207.1	208.9	212.4	216.0	221.3	221.3	221.3	219.5	219.5
0.0	15°	327.5	347.0	361.2	375.3	387.7	416.0	412.5	407.2	403.6
0.0	17.5°	828.5	917.1	964.9	1010.9	1058.7	1189.7	1168.4	1147.2	1127.7
0.0	20°	2147.5	2379.4	2533.4	2687.4	2843.2	3089.3	3029.1	2968.9	2908.7
0.0	22.5°	4594.1	5127.0	5358.9	5590.9	5821.0	6118.4	5925.5	5732.5	5541.3
0.0	25°	6959.4	7651.6	8042.8	8434.1	8823.6	8993.5	8742.1	8489.0	8237.6
0.0	27.5°	9287.4	10069.9	10415.1	10758.6	11103.8	11459.7	11148.1	10834.7	10523.1
0.0	30°	11153.4	12008.5	12382.0	12753.8	13127.3	13375.2	13053.0	12729.0	12406.8
0.0	32.5°	12983.9	13918.7	14327.7	14736.6	15143.8	15499.7	15103.1	14704.8	14308.2
0.0	35°	14777.3	15844.9	16407.9	16970.8	17533.8	17864.9	17394.0	16921.3	16450.3
0.0	37.5°	16965.5	18284.5	18914.7	19545.0	20175.2	20778.9	20260.2	19739.7	19221.0
0.0	40°	20819.6	22680.3	23646.9	24615.3	25582.0	26360.9	25705.9	25050.8	24395.8
0.0	42.5°	27324.0	29979.6	31369.3	32757.3	34147.0	35363.3	34674.6	33985.9	33297.3
0.0	45°	36850.4	40384.1	42078.3	43770.8	45465.1	46353.8	45362.4	44369.2	43377.8
0.0	47.5°	43514.1	47033.6	48542.0	50050.3	51558.7	52573.1	51360.4	50147.7	48936.8
0.0	50°	46545.0	49892.8	51406.4	52918.3	54432.0	55237.5	53837.2	52435.0	51034.7
0.0	52.5°	47131.0	50259.2	52065.0	53872.6	55678.4	56754.8	55101.2	53445.9	51792.4
0.0	55°	47764.8	51080.7	53175.1	55271.2	57365.5	58856.2	56986.7	55115.4	53245.9
0.0	57.5°	48958.0	52543.0	54632.1	56719.3	58808.4	60074.2	58199.4	56322.8	54448.0
0.0	60°	49064.2	52420.9	54216.0	56013.0	57808.1	58604.8	56811.4	55016.2	53222.9
0.0	62.5°	45897.0	48416.3	49662.6	50909.0	52155.3	53021.0	51149.7	49276.7	47405.4
0.0	65°	38309.2	39868.9	40862.1	41855.3	42848.4	43880.6	42166.8	40453.1	38739.4
0.0	67.5°	30354.9	31548.1	32856.4	34164.7	35473.0	36576.0	35204.0	33830.1	32458.1
	70°	24411.7	26021.0	27492.2	28963.4	30434.6	31337.4	29960.1	28581.0	27203.6
	72.5°	19394.5	21099.4	22328.0	23554.9	24783.5	25004.8	23992.2	22979.5	21968.6
	75°	11776.5	12792.7	12817.5	12840.5	12865.3	13076.0	12236.8	11397.7	10560.3
	77.5°	3473.5	3836.4	4135.6	4433.0	4732.2	5093.4	4785.3	4475.5	4167.5
	80°	1005.6	1097.6	1175.5	1251.7	1329.6	1283.5	1210.9	1138.4	1065.8
	82.5°	180.6	170.0	168.2	166.4	166.4	157.6	143.4	129.2	115.1
	85°	31.9	30.1	28.3	26.6	24.8	23.0	19.5	17.7	14.2
	87.5°	10.6	8.9	7.1	5.3	5.3	1.8	1.8	1.8	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-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°	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.7
0.0	0.0	2.5°	100.9	99.1	99.1	99.1	99.1	97.4	97.4	97.4	97.4
0.0	0.0	5°	111.5	111.5	109.8	109.8	108.0	108.0	106.2	106.2	104.5
0.0	0.0	7.5°	131.0	129.2	127.5	125.7	123.9	120.4	118.6	116.8	116.8
0.0	0.0	10°	157.6	154.0	152.3	148.7	146.9	143.4	139.9	136.3	132.8
0.0	0.0	12.5°	207.1	200.1	194.7	187.7	180.6	175.3	168.2	162.9	155.8
0.0	0.0	15°	359.4	341.7	322.2	299.2	274.4	251.4	226.6	212.4	196.5
0.0	0.0	17.5°	918.8	826.8	732.9	656.8	580.7	506.3	430.2	375.3	320.4
0.0	0.0	20°	2338.7	2083.7	1828.8	1577.4	1324.2	1072.8	819.7	692.2	564.8
0.0	0.0	22.5°	4401.2	3928.5	3454.0	2995.5	2535.2	2076.7	1618.1	1329.6	1042.8
0.0	0.0	25°	6792.9	6198.1	5603.2	4849.1	4093.1	3338.9	2584.8	2115.6	1646.5
0.0	0.0	27.5°	8839.5	8154.4	7469.2	6552.2	5635.1	4718.1	3801.0	3101.7	2404.2
0.0	0.0	30°	10611.6	9875.2	9138.7	8071.1	7003.6	5936.1	4868.5	3994.0	3119.4
0.0	0.0	32.5°	12148.3	11266.7	10385.0	9283.9	8182.7	7081.5	5980.3	4907.5	3834.6
0.0	0.0	35°	13920.5	12891.9	11861.5	10640.0	9416.6	8195.1	6973.5	5762.6	4549.9
0.0	0.0	37.5°	16172.4	14910.1	13646.1	12284.6	10923.2	9563.6	8202.2	6817.7	5433.3
0.0	0.0	40°	20483.3	18854.5	17225.8	15496.1	13764.7	12035.0	10305.4	8605.8	6906.2
0.0	0.0	42.5°	28207.4	26006.8	23806.3	21504.8	19201.5	16900.0	14596.8	12199.7	9800.8
0.0	0.0	45°	36924.8	34194.8	31463.1	28880.2	26295.4	23712.4	21129.5	17840.1	14550.7
0.0	0.0	47.5°	41826.9	38879.3	35931.6	33486.7	31041.8	28596.9	26152.0	22605.9	19059.9
0.0	0.0	50°	43630.9	40630.2	37629.4	35379.2	33127.3	30877.1	28625.2	25073.9	21520.7
0.0	0.0	52.5°	44015.1	40954.1	37893.2	35628.8	33364.5	31102.0	28837.7	25309.3	21781.0
0.0	0.0	55°	44804.7	41520.7	38234.8	35653.6	33072.4	30491.2	27910.0	24325.0	20740.0
0.0	0.0	57.5°	45836.8	42469.6	39102.3	36161.7	33221.1	30282.3	27341.7	23422.1	19502.5
0.0	0.0	60°	45566.0	42636.0	39704.2	36554.7	33403.5	30254.0	27102.7	22791.8	18479.2
0.0	0.0	62.5°	40863.8	38530.5	36195.4	33605.3	31013.5	28423.4	25833.3	21395.0	16956.7
0.0	0.0	65°	33617.7	31914.6	30211.5	28127.8	26042.2	23958.5	21874.8	17895.0	13916.9
0.0	0.0	67.5°	27246.1	25327.0	23406.2	21745.5	20083.2	18422.5	16760.2	13628.4	10496.6
		70°	21646.4	19559.1	17470.1	15848.4	14225.0	12603.3	10981.6	8899.7	6819.5
		72.5°	17190.4	15308.5	13426.5	11696.9	9965.5	8235.8	6504.4	5274.0	4043.5
		75°	8216.3	7463.9	6711.5	5806.8	4902.2	3997.5	3092.8	2556.4	2021.8
		77.5°	3045.0	2639.6	2232.4	1864.2	1496.0	1129.5	761.3	697.5	633.8
		80°	787.8	686.9	584.2	511.6	437.3	364.7	292.1	263.8	237.2
		82.5°	90.3	83.2	77.9	74.4	69.0	65.5	60.2	54.9	49.6
		85°	5.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049165

CATALOG NUMBER: GALN-SA8A-830-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	102.7	102.7
0.0	0.0	2.5°	95.6	93.8
0.0	0.0	5°	100.9	99.1
0.0	0.0	7.5°	111.5	108.0
0.0	0.0	10°	122.2	118.6
0.0	0.0	12.5°	138.1	132.8
0.0	0.0	15°	155.8	145.2
0.0	0.0	17.5°	185.9	162.9
0.0	0.0	20°	251.4	193.0
0.0	0.0	22.5°	354.1	240.8
0.0	0.0	25°	520.5	332.8
0.0	0.0	27.5°	724.1	442.6
0.0	0.0	30°	963.1	554.1
0.0	0.0	32.5°	1173.8	660.4
0.0	0.0	35°	1448.2	768.3
0.0	0.0	37.5°	1786.3	906.4
0.0	0.0	40°	2310.3	1115.3
0.0	0.0	42.5°	3254.0	1501.3
0.0	0.0	45°	5284.6	2595.4
0.0	0.0	47.5°	8131.3	4293.2
0.0	0.0	50°	9947.7	5479.3
0.0	0.0	52.5°	10096.5	5470.5
0.0	0.0	55°	9216.6	4863.2
0.0	0.0	57.5°	7864.0	4064.8
0.0	0.0	60°	6536.2	3215.0
0.0	0.0	62.5°	5150.0	2220.1
0.0	0.0	65°	3763.8	1570.3
0.0	0.0	67.5°	2703.4	1173.8
		70°	1777.5	899.4
		72.5°	1157.8	732.9
		75°	779.0	607.2
		77.5°	455.0	403.6
		80°	161.1	141.6
		82.5°	30.1	21.2
		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: P1049165

CATALOG NUMBER: GALN-SA8A-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

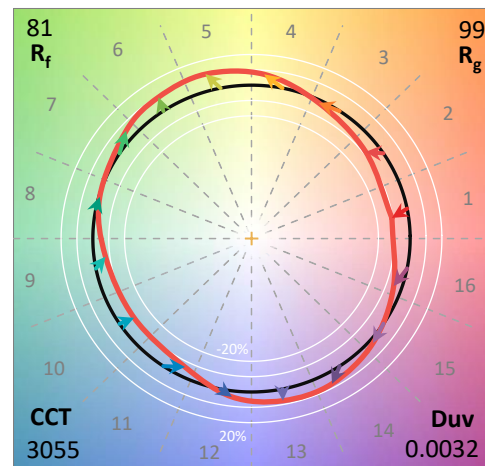
Test Information

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

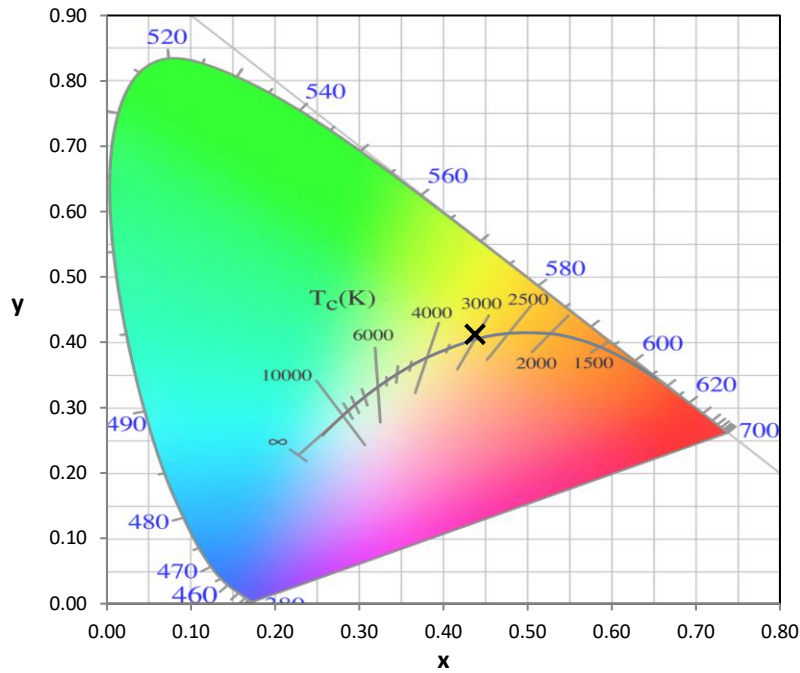
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

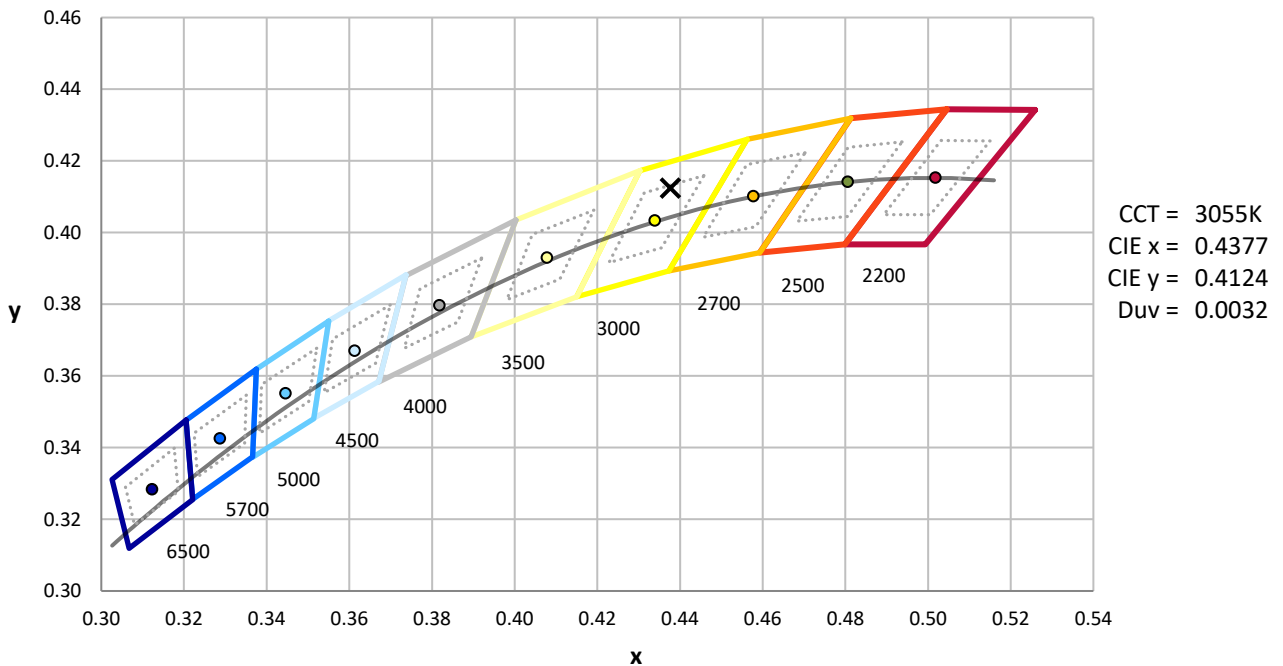
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

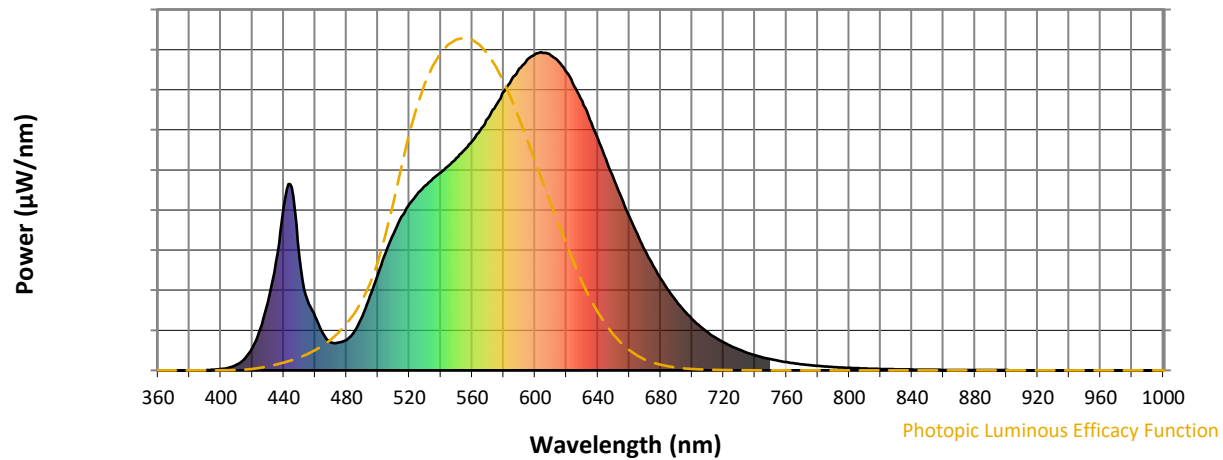


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

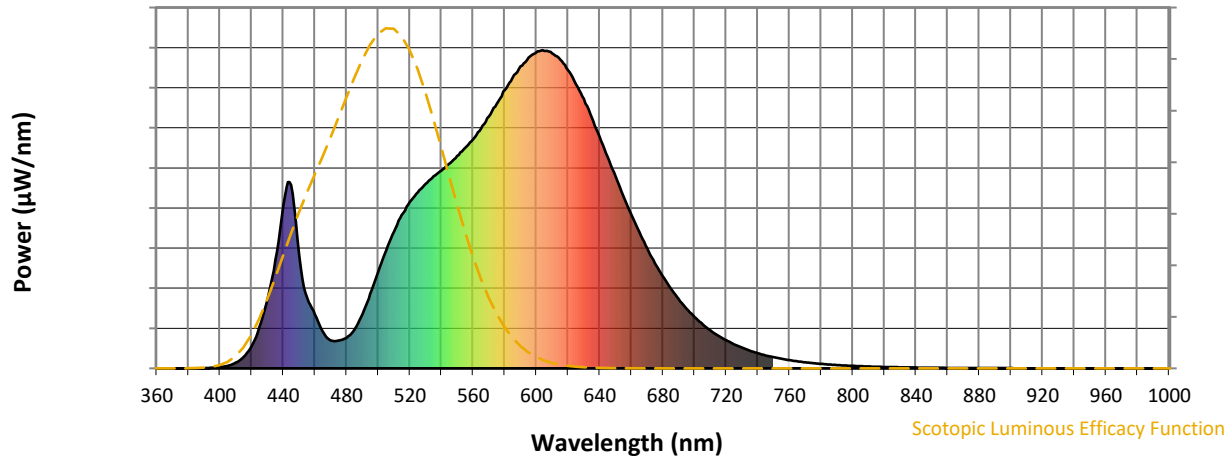


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



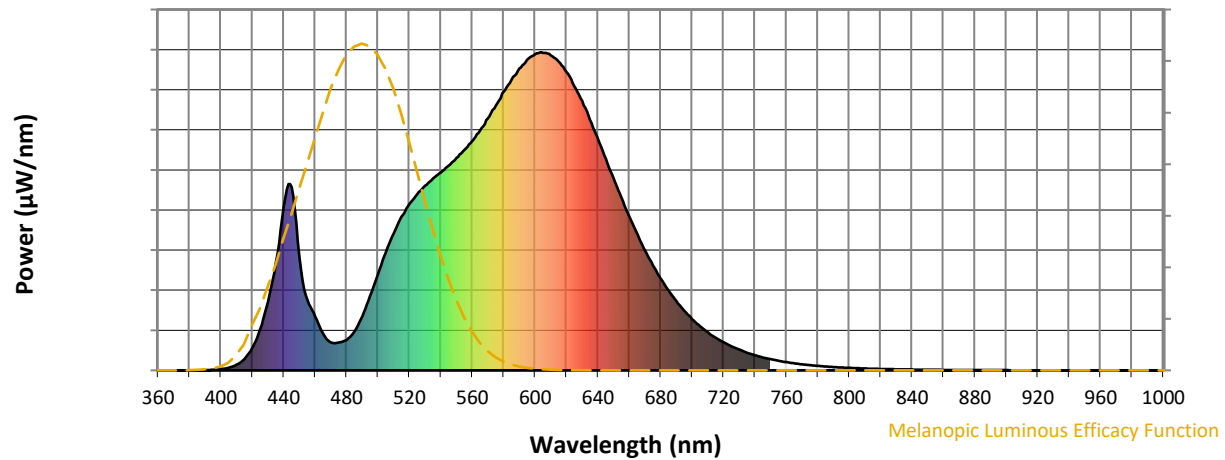
Scotopic Lumens: NR

S/P: 1.28

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

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

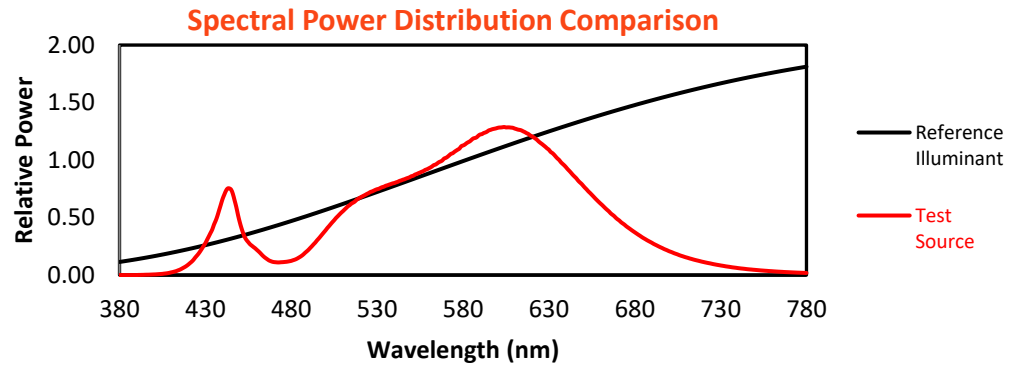
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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

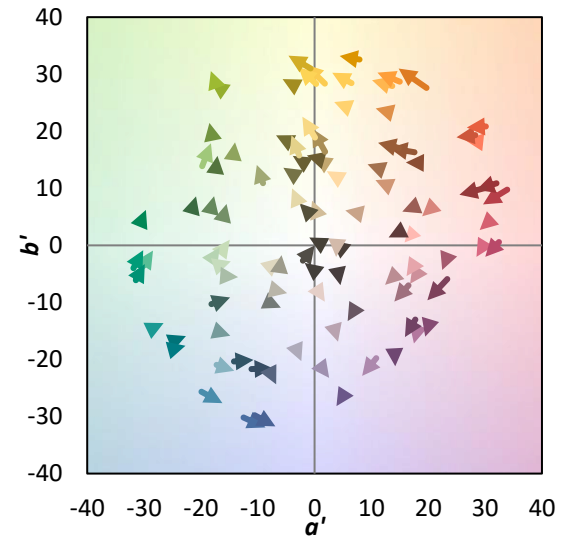
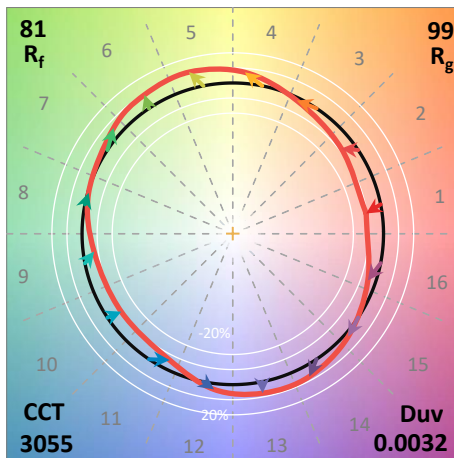
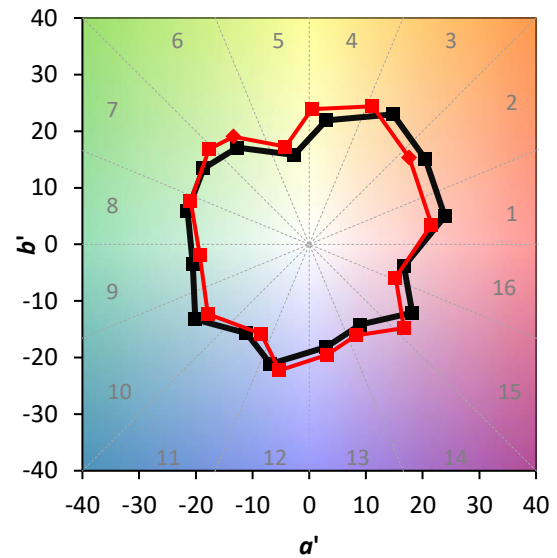
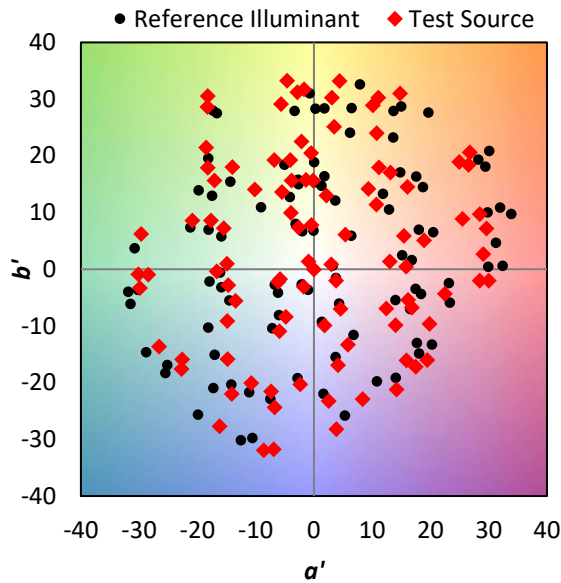
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

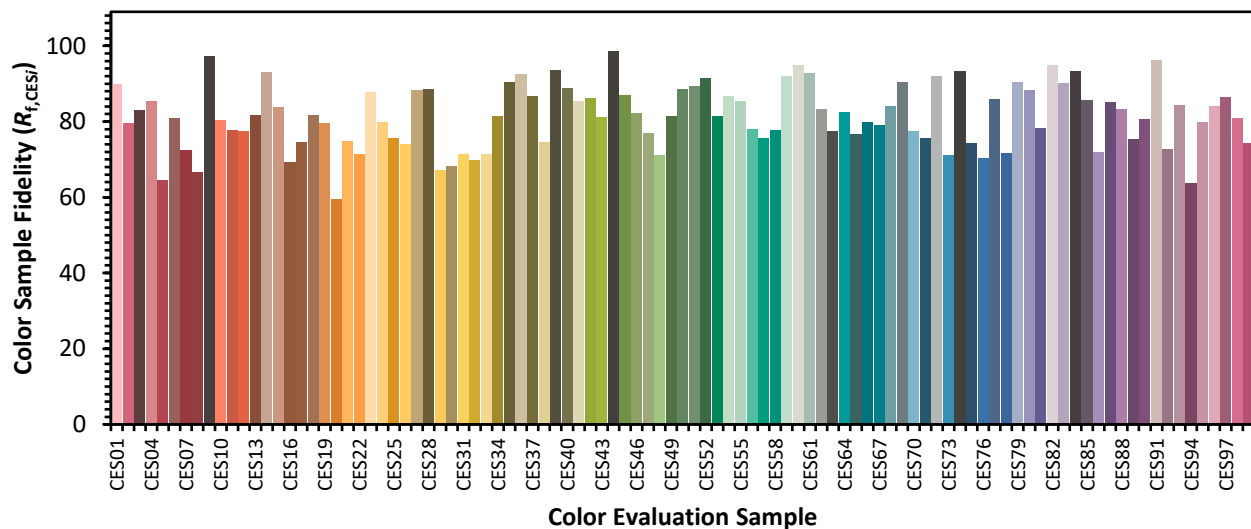


Color Vector Graphics

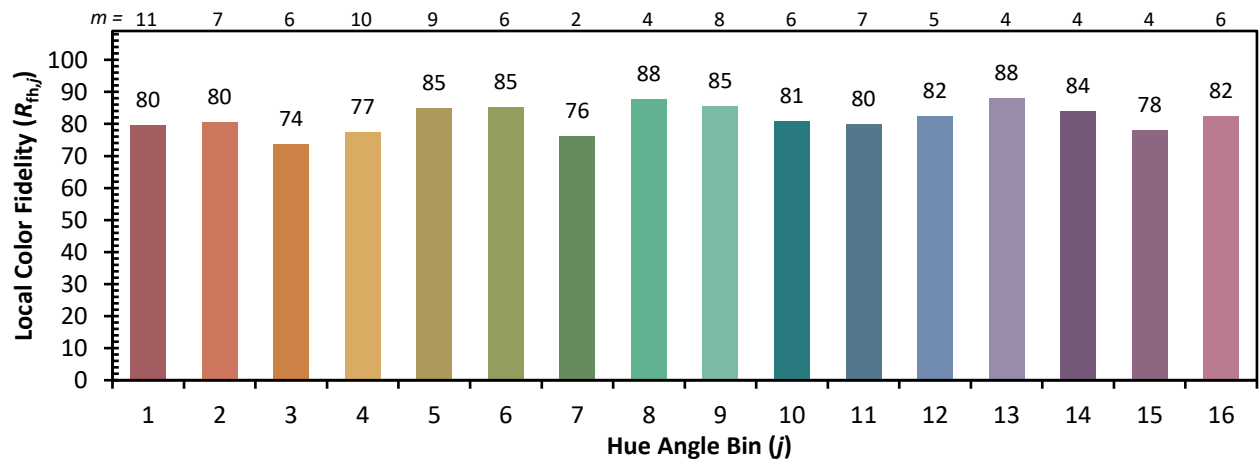
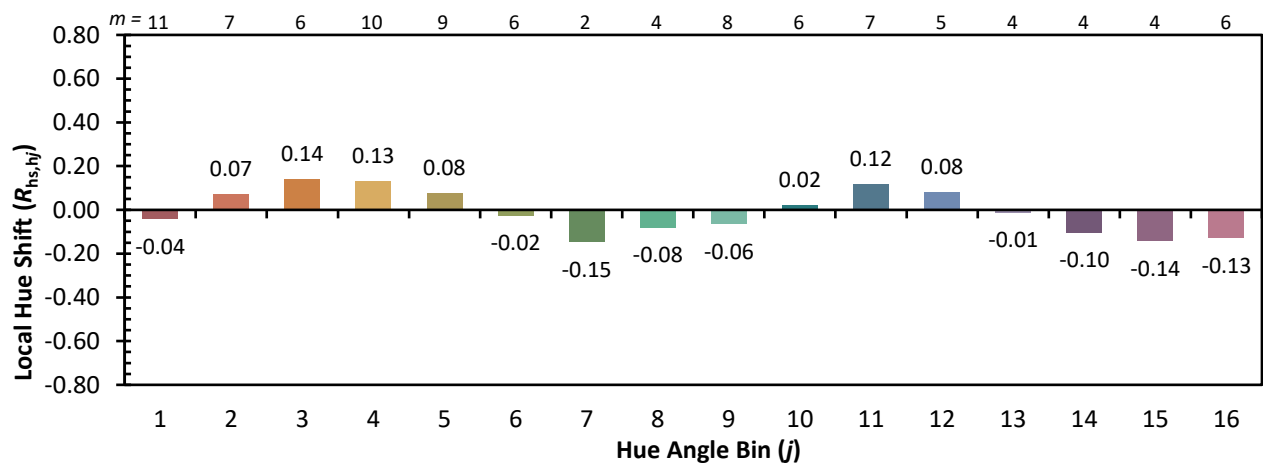
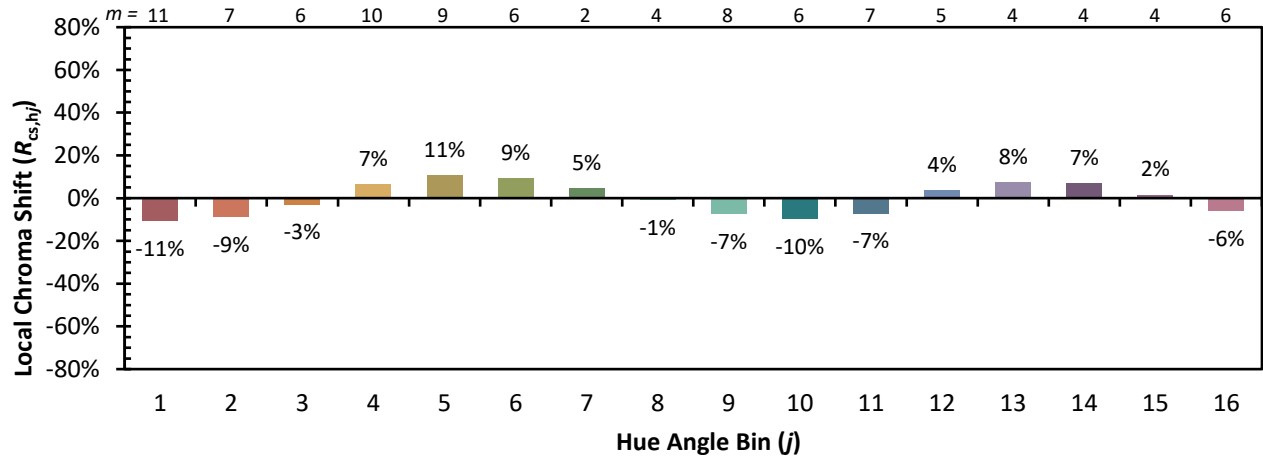


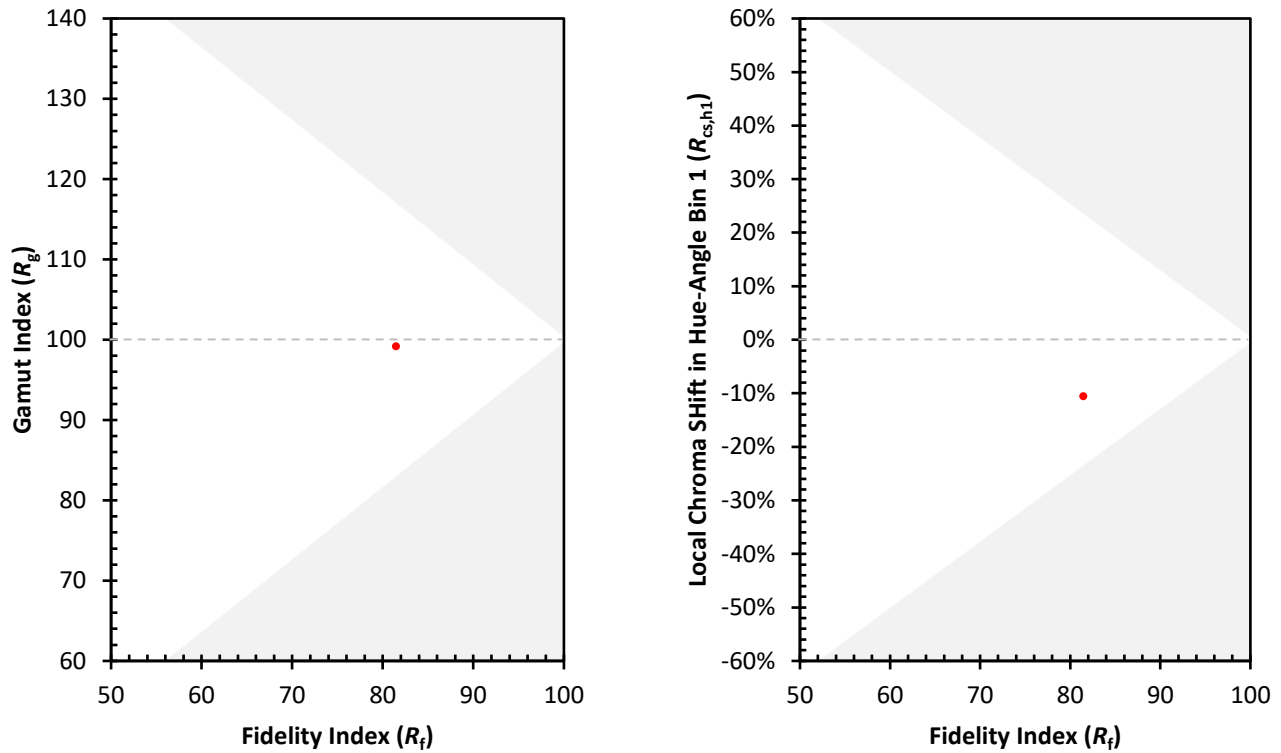
Individual Sample Fidelity Index ($R_{f,i}$)

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)