

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: P1048985

Luminaire Tested: **GALN-SA8A-730-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048985
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-730-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25319.6 lumens
Efficiency: N/A
Efficacy: 116.4 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 (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

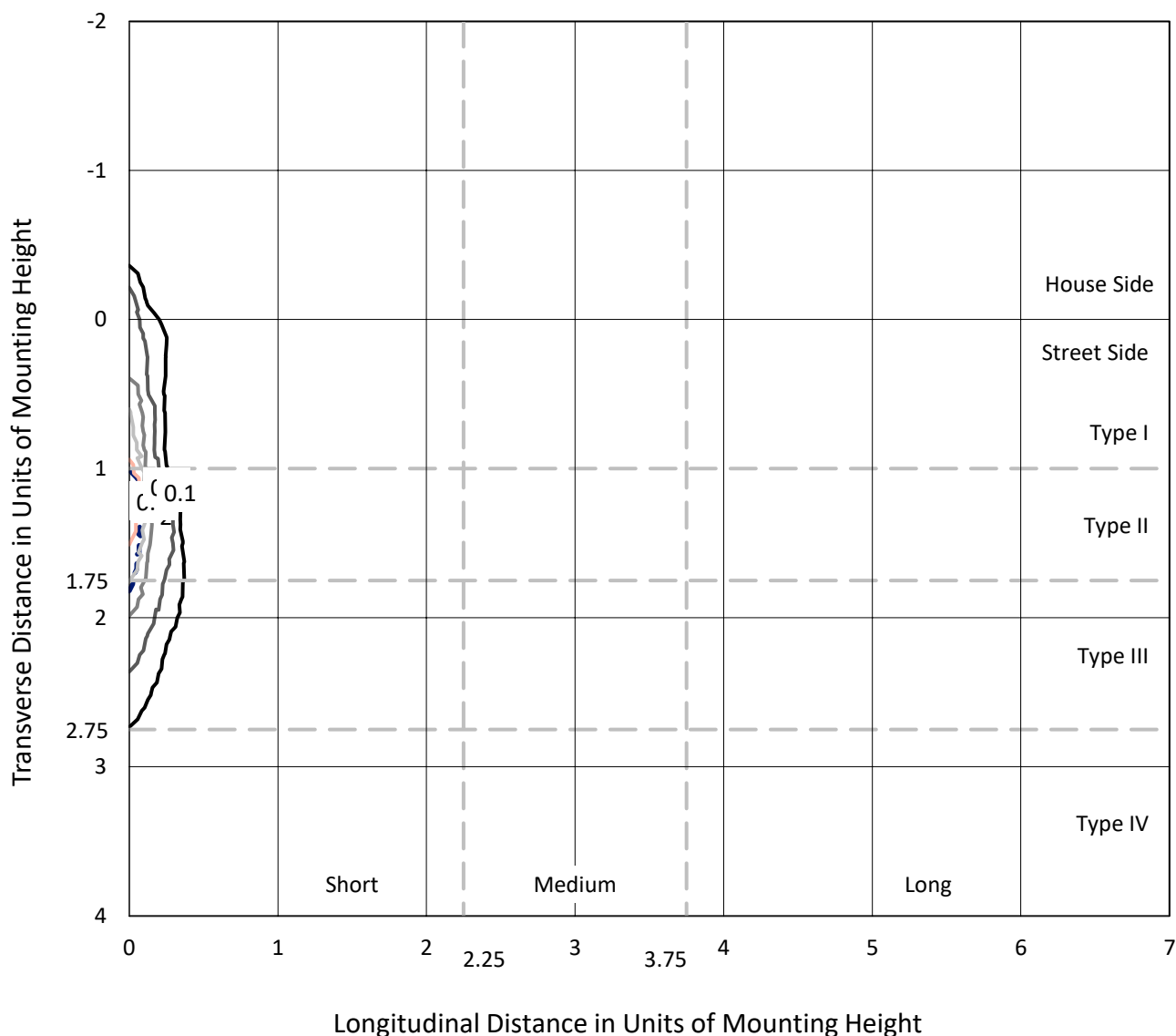
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

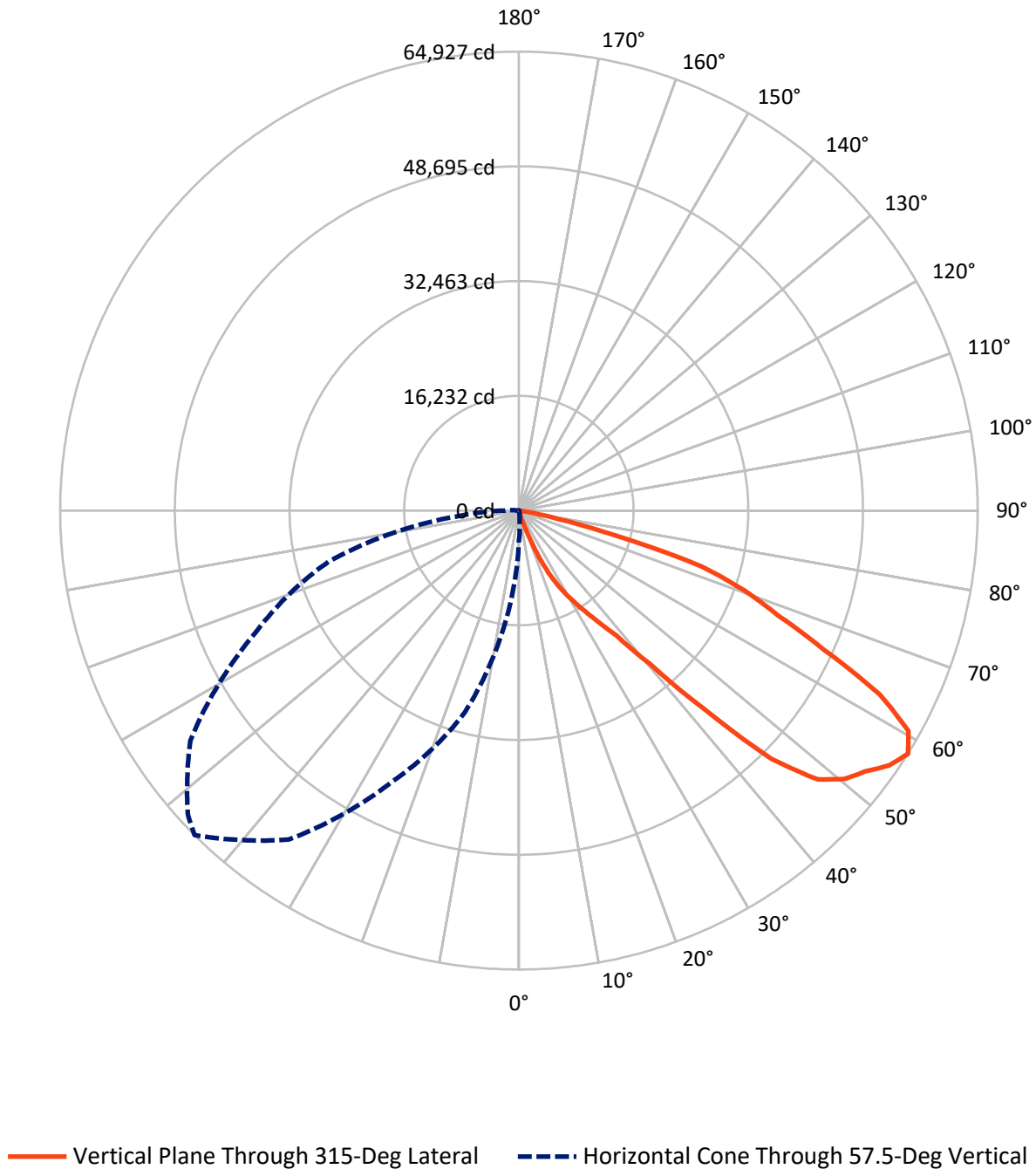


Based on 20 foot mounting height. Maximum calculated value = 3.7 fc

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	126.8	0.0	126.8
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	25192.8	0.0	25192.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	25319.6	0.0	25319.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.0
10°-20°	55.6	0.2
20°-30°	600.0	2.4
30°-40°	1774.4	7.0
40°-50°	5288.3	20.9
50°-60°	8385.2	33.1
60°-70°	6999.6	27.6
70°-80°	2158.4	8.5
80°-90°	48.0	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°	25319.6	100.0
0°-180°	25319.6	100.0



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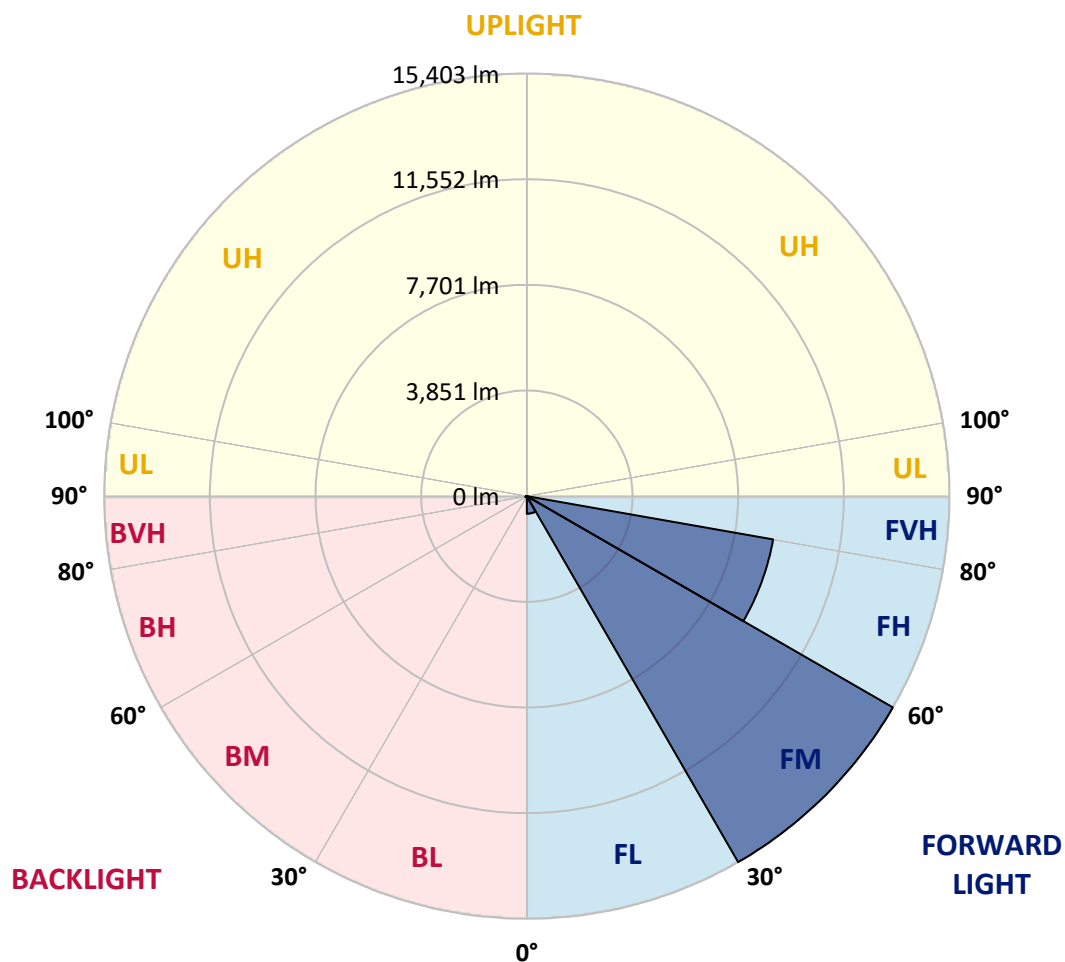
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.3	2.5			
FM	(30°-60°)	15402.6	60.8			
FH	(60°-80°)	9110.8	36.0			G4/12000
FVH	(80°-90°)	37.1	0.1			G1/100
BL	(0°-30°)	23.3	0.1	B0/110		
BM	(30°-60°)	45.3	0.2	B0/220		
BH	(60°-80°)	47.3	0.2	B0/110		G0/110
BVH	(80°-90°)	10.9	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	101.4	101.4	101.4	101.4	99.5	99.5	97.6	97.6	95.7	95.7
5°	107.1	107.1	105.2	103.3	103.3	101.4	99.5	97.6	97.6	95.7
7.5°	116.7	114.8	112.9	111.0	107.1	105.2	101.4	99.5	97.6	93.8
10°	128.2	124.4	120.5	116.7	112.9	109.1	105.2	103.3	99.5	97.6
12.5°	143.5	137.8	130.1	124.4	120.5	114.8	111.0	107.1	101.4	97.6
15°	156.9	149.2	139.7	132.0	126.3	118.6	112.9	107.1	103.3	97.6
17.5°	176.0	162.6	147.3	137.8	130.1	120.5	111.0	105.2	99.5	91.8
20°	208.6	181.8	153.1	141.6	130.1	118.6	107.1	99.5	93.8	86.1
22.5°	260.2	214.3	168.4	151.2	135.8	118.6	103.3	95.7	88.0	80.4
25°	359.7	277.4	195.2	172.2	149.2	126.3	103.3	93.8	86.1	76.5
27.5°	478.3	355.9	231.5	199.0	168.4	135.8	103.3	91.8	82.3	70.8
30°	598.9	436.3	271.7	229.6	187.5	145.4	103.3	89.9	78.4	65.1
32.5°	713.7	510.9	306.1	256.4	206.6	155.0	105.2	89.9	74.6	59.3
35°	830.4	572.1	311.9	260.2	208.6	155.0	103.3	86.1	70.8	53.6
37.5°	979.6	641.0	300.4	248.7	199.0	147.3	97.6	82.3	67.0	49.7
40°	1205.4	755.8	306.1	252.6	199.0	145.4	91.8	76.5	63.1	47.8
42.5°	1622.5	977.7	331.0	269.8	208.6	145.4	84.2	70.8	59.3	45.9
45°	2805.0	1624.5	443.9	352.1	260.2	168.4	76.5	65.1	55.5	44.0
47.5°	4639.9	2718.9	797.9	616.1	436.3	254.5	74.6	65.1	55.5	44.0
50°	5921.9	3463.2	1004.5	773.0	541.5	310.0	78.4	67.0	57.4	45.9
52.5°	5912.3	3516.8	1119.3	859.1	600.8	340.6	82.3	70.8	61.2	49.7
55°	5256.1	3199.2	1140.4	876.3	614.2	350.1	88.0	76.5	65.1	53.6
57.5°	4393.1	2717.0	1040.9	805.5	572.1	336.8	101.4	88.0	76.5	63.1
60°	3474.7	2143.0	811.3	641.0	472.6	302.3	133.9	116.7	101.4	84.2
62.5°	2399.4	1553.7	707.9	568.3	430.5	290.8	153.1	135.8	120.5	103.3
65°	1697.2	1169.1	639.1	520.4	403.7	285.1	166.5	147.3	130.1	111.0
67.5°	1268.6	929.9	589.3	487.9	386.5	285.1	183.7	160.7	139.7	116.7
70°	972.0	763.4	553.0	470.7	390.3	308.1	225.8	193.3	162.6	130.1
72.5°	792.1	652.5	510.9	451.6	392.2	332.9	273.6	231.5	189.4	145.4
75°	656.3	558.7	461.1	411.4	363.5	313.8	264.0	225.8	189.4	151.2
77.5°	436.3	398.0	357.8	329.1	300.4	269.8	241.1	208.6	177.9	145.4
80°	153.1	147.3	141.6	153.1	164.6	176.0	187.5	164.6	143.5	120.5
82.5°	23.0	21.0	19.1	21.0	23.0	24.9	26.8	28.7	30.6	32.5
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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	93.8	93.8	91.8	91.8	91.8	89.9	89.9	88.0	88.0	88.0
0.0	5°	91.8	91.8	89.9	88.0	86.1	86.1	84.2	82.3	82.3	80.4
0.0	7.5°	89.9	88.0	86.1	84.2	82.3	80.4	78.4	76.5	76.5	74.6
0.0	10°	91.8	88.0	86.1	82.3	80.4	78.4	74.6	72.7	70.8	70.8
0.0	12.5°	88.0	86.1	82.3	78.4	76.5	72.7	70.8	67.0	65.1	65.1
0.0	15°	88.0	84.2	78.4	74.6	70.8	68.9	65.1	61.2	59.3	57.4
0.0	17.5°	82.3	78.4	72.7	68.9	65.1	61.2	57.4	53.6	51.7	49.7
0.0	20°	74.6	70.8	65.1	59.3	55.5	51.7	47.8	44.0	42.1	40.2
0.0	22.5°	67.0	63.1	57.4	51.7	47.8	44.0	38.3	34.4	32.5	28.7
0.0	25°	63.1	57.4	51.7	45.9	40.2	36.4	30.6	24.9	21.0	17.2
0.0	27.5°	53.6	47.8	42.1	36.4	30.6	24.9	19.1	13.4	9.6	7.7
0.0	30°	45.9	40.2	34.4	28.7	21.0	15.3	9.6	1.9	1.9	1.9
0.0	32.5°	38.3	32.5	24.9	19.1	15.3	9.6	5.7	0.0	0.0	0.0
0.0	35°	30.6	24.9	17.2	11.5	9.6	5.7	3.8	0.0	0.0	0.0
0.0	37.5°	26.8	21.0	13.4	5.7	3.8	3.8	1.9	0.0	0.0	0.0
0.0	40°	24.9	17.2	9.6	1.9	1.9	1.9	0.0	0.0	0.0	0.0
0.0	42.5°	24.9	17.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	24.9	17.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	24.9	17.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	26.8	19.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	30.6	23.0	15.3	7.7	5.7	3.8	1.9	0.0	0.0	0.0
0.0	55°	38.3	34.4	28.7	24.9	19.1	13.4	5.7	0.0	0.0	0.0
0.0	57.5°	49.7	49.7	47.8	45.9	34.4	23.0	11.5	0.0	0.0	0.0
0.0	60°	67.0	67.0	67.0	67.0	49.7	34.4	17.2	0.0	0.0	0.0
0.0	62.5°	82.3	78.4	72.7	68.9	51.7	34.4	17.2	0.0	0.0	0.0
0.0	65°	82.3	74.6	65.1	55.5	42.1	28.7	13.4	0.0	0.0	0.0
0.0	67.5°	76.5	61.2	44.0	28.7	21.0	15.3	7.7	0.0	0.0	0.0
	70°	76.5	53.6	30.6	7.7	5.7	3.8	1.9	0.0	0.0	0.0
	72.5°	76.5	51.7	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	84.2	57.4	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	84.2	57.4	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	74.6	49.7	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	24.9	17.2	7.7	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	86.1	86.1	86.1	84.2	84.2	84.2	84.2	82.3	82.3	82.3
0.0	5°	78.4	78.4	76.5	76.5	74.6	74.6	72.7	72.7	70.8	70.8
0.0	7.5°	72.7	70.8	70.8	68.9	67.0	67.0	65.1	65.1	63.1	61.2
0.0	10°	67.0	65.1	65.1	63.1	61.2	59.3	59.3	57.4	55.5	53.6
0.0	12.5°	61.2	59.3	57.4	55.5	53.6	51.7	51.7	49.7	47.8	45.9
0.0	15°	53.6	51.7	49.7	47.8	45.9	44.0	44.0	42.1	40.2	38.3
0.0	17.5°	45.9	44.0	44.0	42.1	40.2	38.3	36.4	32.5	30.6	28.7
0.0	20°	34.4	32.5	30.6	28.7	26.8	23.0	21.0	17.2	13.4	11.5
0.0	22.5°	23.0	19.1	17.2	13.4	9.6	7.7	5.7	1.9	0.0	0.0
0.0	25°	7.7	5.7	3.8	1.9	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: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	80.4	80.4	80.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
0.0	5°	68.9	68.9	68.9	67.0	67.0	65.1	65.1	65.1	63.1	63.1
0.0	7.5°	59.3	57.4	57.4	55.5	55.5	53.6	53.6	53.6	51.7	51.7
0.0	10°	49.7	47.8	47.8	45.9	45.9	44.0	44.0	42.1	42.1	40.2
0.0	12.5°	44.0	42.1	40.2	38.3	38.3	36.4	34.4	34.4	32.5	30.6
0.0	15°	34.4	32.5	30.6	28.7	26.8	24.9	23.0	23.0	21.0	19.1
0.0	17.5°	23.0	19.1	17.2	15.3	15.3	13.4	11.5	9.6	7.7	5.7
0.0	20°	5.7	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	78.4	76.5	76.5	76.5	78.4	78.4	78.4	78.4	78.4	78.4
0.0	5°	63.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
0.0	7.5°	51.7	49.7	49.7	49.7	49.7	47.8	47.8	47.8	47.8	47.8
0.0	10°	40.2	38.3	38.3	38.3	38.3	36.4	36.4	36.4	36.4	36.4
0.0	12.5°	28.7	28.7	26.8	26.8	26.8	24.9	24.9	24.9	24.9	23.0
0.0	15°	17.2	15.3	13.4	13.4	13.4	11.5	11.5	11.5	11.5	9.6
0.0	17.5°	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	80.4	80.4	82.3	82.3	84.2	88.0	89.9	91.8	95.7	99.5
0.0	5°	63.1	65.1	65.1	67.0	68.9	70.8	72.7	74.6	78.4	82.3
0.0	7.5°	49.7	49.7	51.7	51.7	53.6	57.4	59.3	61.2	65.1	70.8
0.0	10°	38.3	38.3	40.2	40.2	42.1	45.9	47.8	49.7	53.6	59.3
0.0	12.5°	24.9	26.8	26.8	28.7	30.6	34.4	36.4	38.3	42.1	45.9
0.0	15°	11.5	13.4	13.4	15.3	17.2	21.0	23.0	24.9	28.7	34.4
0.0	17.5°	1.9	1.9	3.8	3.8	5.7	7.7	9.6	11.5	17.2	21.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	105.2	109.1	112.9	116.7	120.5	124.4	126.3	130.1	132.0	133.9
0.0	5°	89.9	93.8	99.5	103.3	107.1	111.0	114.8	116.7	118.6	120.5
0.0	7.5°	78.4	82.3	88.0	91.8	95.7	99.5	103.3	107.1	109.1	111.0
0.0	10°	67.0	72.7	76.5	82.3	86.1	89.9	93.8	97.6	101.4	103.3
0.0	12.5°	53.6	59.3	65.1	68.9	74.6	80.4	84.2	88.0	91.8	95.7
0.0	15°	42.1	47.8	53.6	57.4	63.1	68.9	74.6	78.4	82.3	86.1
0.0	17.5°	30.6	36.4	42.1	45.9	51.7	57.4	61.2	67.0	70.8	74.6
0.0	20°	15.3	21.0	26.8	32.5	38.3	44.0	47.8	53.6	57.4	61.2
0.0	22.5°	1.9	7.7	13.4	17.2	23.0	28.7	32.5	38.3	42.1	45.9
0.0	25°	0.0	1.9	5.7	7.7	9.6	13.4	17.2	21.0	24.9	28.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.9	3.8	7.7	11.5	15.3
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	1.9
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8
	85°	0.0	0.0	0.0	0.0	0.0	3.8	5.7	9.6	11.5	13.4
	87.5°	0.0	1.9	3.8	5.7	7.7	11.5	15.3	19.1	21.0	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: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
111.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.7	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.7	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											
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0.0											
1.9											
7.7											
17.2											
24.9											
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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	135.8	135.8	135.8	135.8	133.9	133.9	133.9	132.0	132.0	130.1
0.0	5°	124.4	126.3	126.3	126.3	126.3	126.3	126.3	126.3	124.4	124.4
0.0	7.5°	114.8	116.7	118.6	118.6	120.5	120.5	120.5	118.6	118.6	116.7
0.0	10°	109.1	111.0	111.0	112.9	112.9	112.9	112.9	112.9	112.9	112.9
0.0	12.5°	101.4	103.3	105.2	105.2	107.1	107.1	107.1	107.1	105.2	105.2
0.0	15°	91.8	95.7	97.6	99.5	99.5	101.4	101.4	101.4	101.4	101.4
0.0	17.5°	84.2	88.0	89.9	91.8	91.8	93.8	93.8	95.7	95.7	95.7
0.0	20°	68.9	72.7	74.6	78.4	80.4	82.3	84.2	86.1	86.1	88.0
0.0	22.5°	53.6	57.4	59.3	63.1	65.1	67.0	68.9	70.8	72.7	74.6
0.0	25°	38.3	42.1	44.0	47.8	49.7	51.7	53.6	55.5	55.5	57.4
0.0	27.5°	21.0	24.9	28.7	30.6	34.4	36.4	38.3	40.2	42.1	44.0
0.0	30°	9.6	11.5	13.4	17.2	19.1	21.0	23.0	26.8	28.7	30.6
0.0	32.5°	0.0	0.0	1.9	5.7	7.7	9.6	11.5	13.4	13.4	15.3
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	5.7	7.7
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°	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	82.5°	9.6	11.5	13.4	13.4	15.3	15.3	15.3	15.3	13.4	13.4
	85°	19.1	21.0	23.0	23.0	24.9	24.9	24.9	24.9	24.9	24.9
	87.5°	26.8	28.7	30.6	30.6	32.5	32.5	32.5	32.5	32.5	32.5
	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: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
111.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.7	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0										
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5.7										
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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	128.2	128.2	126.3	126.3	126.3	126.3	126.3	128.2	130.1	130.1
0.0	5°	122.5	122.5	120.5	120.5	120.5	122.5	122.5	124.4	126.3	128.2
0.0	7.5°	116.7	114.8	114.8	116.7	116.7	118.6	118.6	120.5	122.5	124.4
0.0	10°	112.9	111.0	111.0	111.0	112.9	112.9	114.8	116.7	118.6	120.5
0.0	12.5°	105.2	105.2	105.2	105.2	107.1	107.1	109.1	111.0	114.8	116.7
0.0	15°	101.4	99.5	99.5	99.5	99.5	101.4	101.4	105.2	109.1	111.0
0.0	17.5°	93.8	93.8	91.8	91.8	93.8	93.8	95.7	99.5	103.3	105.2
0.0	20°	86.1	84.2	82.3	82.3	84.2	84.2	86.1	89.9	93.8	95.7
0.0	22.5°	74.6	72.7	72.7	72.7	72.7	74.6	74.6	78.4	84.2	88.0
0.0	25°	59.3	61.2	61.2	63.1	63.1	65.1	67.0	70.8	76.5	80.4
0.0	27.5°	45.9	47.8	47.8	51.7	53.6	55.5	57.4	63.1	68.9	72.7
0.0	30°	34.4	36.4	38.3	40.2	44.0	47.8	51.7	57.4	63.1	67.0
0.0	32.5°	21.0	24.9	26.8	30.6	34.4	38.3	42.1	47.8	55.5	61.2
0.0	35°	15.3	17.2	21.0	23.0	26.8	30.6	34.4	42.1	47.8	55.5
0.0	37.5°	7.7	11.5	15.3	19.1	23.0	26.8	30.6	38.3	45.9	51.7
0.0	40°	5.7	9.6	11.5	15.3	21.0	24.9	28.7	36.4	44.0	51.7
0.0	42.5°	3.8	5.7	7.7	13.4	17.2	23.0	28.7	36.4	44.0	51.7
0.0	45°	3.8	3.8	5.7	11.5	17.2	24.9	30.6	38.3	44.0	51.7
0.0	47.5°	3.8	5.7	7.7	15.3	19.1	24.9	30.6	36.4	44.0	49.7
0.0	50°	5.7	7.7	9.6	17.2	21.0	26.8	30.6	38.3	44.0	51.7
0.0	52.5°	3.8	5.7	7.7	15.3	21.0	28.7	34.4	42.1	49.7	55.5
0.0	55°	1.9	1.9	1.9	11.5	23.0	32.5	44.0	49.7	57.4	63.1
0.0	57.5°	0.0	0.0	0.0	7.7	23.0	36.4	49.7	57.4	65.1	70.8
0.0	60°	0.0	0.0	0.0	7.7	23.0	36.4	49.7	59.3	68.9	78.4
0.0	62.5°	0.0	0.0	0.0	7.7	19.1	30.6	42.1	57.4	74.6	89.9
0.0	65°	0.0	0.0	0.0	5.7	15.3	24.9	34.4	57.4	80.4	101.4
0.0	67.5°	0.0	0.0	0.0	5.7	15.3	23.0	32.5	57.4	80.4	105.2
	70°	0.0	0.0	0.0	5.7	15.3	24.9	34.4	57.4	80.4	103.3
	72.5°	0.0	0.0	0.0	5.7	17.2	26.8	38.3	57.4	76.5	95.7
	75°	0.0	0.0	0.0	7.7	17.2	28.7	40.2	57.4	74.6	89.9
	77.5°	0.0	0.0	0.0	5.7	17.2	26.8	38.3	55.5	72.7	88.0
	80°	5.7	3.8	3.8	9.6	17.2	24.9	32.5	49.7	68.9	86.1
	82.5°	11.5	11.5	9.6	13.4	17.2	23.0	28.7	44.0	61.2	76.5
	85°	23.0	23.0	21.0	23.0	23.0	24.9	26.8	34.4	42.1	49.7
	87.5°	30.6	30.6	28.7	28.7	28.7	26.8	26.8	26.8	26.8	24.9
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
111.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.7	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.3	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.4	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.3											
114.8											
107.1											
105.2											
103.3											
91.8											
57.4											
24.9											
0.0											
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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	133.9	135.8	135.8	137.8	139.7	141.6	141.6	143.5	143.5	143.5
0.0	5°	132.0	135.8	137.8	139.7	141.6	143.5	145.4	147.3	149.2	149.2
0.0	7.5°	130.1	132.0	135.8	137.8	141.6	143.5	147.3	149.2	151.2	153.1
0.0	10°	126.3	130.1	133.9	137.8	141.6	145.4	149.2	153.1	156.9	158.8
0.0	12.5°	122.5	128.2	132.0	135.8	141.6	147.3	151.2	156.9	160.7	164.6
0.0	15°	120.5	124.4	130.1	133.9	141.6	149.2	155.0	162.6	170.3	176.0
0.0	17.5°	114.8	122.5	128.2	133.9	141.6	151.2	158.8	166.5	177.9	189.4
0.0	20°	107.1	112.9	120.5	126.3	137.8	147.3	158.8	168.4	185.6	202.8
0.0	22.5°	99.5	107.1	112.9	120.5	133.9	145.4	158.8	170.3	199.0	225.8
0.0	25°	91.8	101.4	109.1	116.7	132.0	147.3	162.6	177.9	225.8	273.6
0.0	27.5°	88.0	95.7	105.2	112.9	132.0	153.1	172.2	191.3	267.9	342.5
0.0	30°	82.3	91.8	99.5	109.1	133.9	158.8	183.7	208.6	325.3	442.0
0.0	32.5°	76.5	86.1	95.7	105.2	137.8	170.3	200.9	233.4	386.5	537.7
0.0	35°	70.8	82.3	91.8	101.4	143.5	187.5	229.6	271.7	442.0	610.4
0.0	37.5°	68.9	80.4	89.9	99.5	145.4	189.4	235.3	279.4	447.7	616.1
0.0	40°	70.8	80.4	91.8	101.4	139.7	177.9	214.3	252.6	428.6	602.7
0.0	42.5°	70.8	82.3	93.8	105.2	135.8	166.5	197.1	227.7	422.9	618.0
0.0	45°	68.9	80.4	91.8	103.3	132.0	158.8	187.5	214.3	457.3	698.4
0.0	47.5°	67.0	78.4	89.9	101.4	130.1	158.8	187.5	216.2	591.2	964.3
0.0	50°	67.0	78.4	88.0	97.6	132.0	168.4	202.8	237.3	861.0	1482.9
0.0	52.5°	70.8	80.4	88.0	95.7	135.8	177.9	218.1	258.3	1094.5	1928.7
0.0	55°	76.5	82.3	89.9	95.7	145.4	193.3	243.0	290.8	1165.2	2039.7
0.0	57.5°	84.2	89.9	95.7	101.4	162.6	223.9	283.2	344.4	1171.0	1995.7
0.0	60°	93.8	101.4	107.1	112.9	177.9	244.9	310.0	375.0	1060.0	1743.1
0.0	62.5°	114.8	124.4	132.0	141.6	204.7	266.0	329.1	390.3	880.2	1370.0
0.0	65°	132.0	139.7	147.3	155.0	216.2	279.4	340.6	401.8	746.2	1090.6
0.0	67.5°	135.8	143.5	149.2	156.9	220.0	283.2	344.4	407.5	639.1	868.7
	70°	137.8	147.3	158.8	168.4	233.4	298.5	361.6	426.7	566.4	706.0
	72.5°	132.0	151.2	168.4	185.6	246.8	306.1	367.4	426.7	526.2	625.7
	75°	132.0	158.8	183.7	208.6	254.5	298.5	344.4	388.4	465.0	541.5
	77.5°	139.7	174.1	208.6	243.0	269.8	294.7	321.4	346.3	396.1	445.8
	80°	139.7	176.0	210.5	246.8	258.3	271.7	283.2	294.7	300.4	306.1
	82.5°	120.5	149.2	177.9	206.6	193.3	179.9	166.5	153.1	143.5	132.0
	85°	61.2	67.0	70.8	74.6	68.9	63.1	57.4	51.7	47.8	42.1
	87.5°	24.9	24.9	23.0	23.0	23.0	23.0	21.0	21.0	21.0	21.0
	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: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
111.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
407.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
767.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
958.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1088.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1186.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1283.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1475.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1857.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2831.8	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4337.6	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5460.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5585.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5039.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4308.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3367.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2544.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1878.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1329.8											
989.2											
719.4											
541.5											
304.2											
137.8											
40.2											
19.1											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	143.5	141.6	141.6	139.7	137.8	135.8	133.9	132.0	130.1	128.2
0.0	5°	149.2	149.2	149.2	147.3	147.3	145.4	145.4	143.5	141.6	139.7
0.0	7.5°	155.0	156.9	156.9	158.8	158.8	158.8	158.8	156.9	156.9	156.9
0.0	10°	164.6	166.5	168.4	170.3	172.2	174.1	174.1	176.0	176.0	176.0
0.0	12.5°	176.0	181.8	185.6	191.3	195.2	200.9	204.7	210.5	214.3	218.1
0.0	15°	193.3	202.8	214.3	223.9	233.4	246.8	262.1	275.5	288.9	310.0
0.0	17.5°	218.1	248.7	279.4	308.1	338.7	405.6	472.6	537.7	604.6	702.2
0.0	20°	266.0	357.8	447.7	539.6	629.5	864.8	1098.3	1333.6	1567.1	1817.7
0.0	22.5°	373.1	598.9	824.7	1050.4	1276.2	1768.0	2257.8	2749.5	3239.3	3815.3
0.0	25°	541.5	956.7	1371.9	1785.2	2200.4	2969.6	3740.7	4509.8	5279.0	6027.1
0.0	27.5°	788.3	1423.6	2058.8	2692.1	3327.4	4370.2	5414.9	6457.7	7500.4	8346.2
0.0	30°	1092.5	1953.6	2814.6	3675.6	4536.6	5722.9	6909.2	8093.6	9279.9	10204.0
0.0	32.5°	1379.5	2433.8	3488.1	4540.4	5594.7	6945.6	8298.3	9649.2	11000.0	12010.3
0.0	35°	1567.1	2841.4	4117.6	5391.9	6666.2	8128.0	9589.9	11049.8	12511.6	13665.3
0.0	37.5°	1754.6	3226.0	4695.4	6166.8	7636.3	9241.6	10846.9	12452.3	14057.6	15483.1
0.0	40°	1965.0	3690.9	5414.9	7140.7	8864.7	10766.6	12666.6	14568.5	16468.4	18479.4
0.0	42.5°	2330.5	4462.0	6595.4	8726.9	10858.4	13374.5	15890.6	18404.8	20920.9	23790.9
0.0	45°	3017.4	6021.4	9027.3	12031.3	15035.3	18368.4	21703.5	25036.6	28369.7	32188.8
0.0	47.5°	4699.3	8832.2	12963.1	17096.0	21227.0	24826.1	28423.2	32022.3	35619.5	39423.2
0.0	50°	7190.5	12000.7	16810.9	21619.3	26429.5	29686.1	32940.7	36197.3	39451.9	43070.1
0.0	52.5°	8992.9	14004.0	19017.1	24028.2	29039.3	31978.3	34919.2	37858.1	40797.1	44178.0
0.0	55°	9128.7	14111.2	19095.5	24078.0	29060.4	32012.7	34965.1	37917.4	40869.8	44453.5
0.0	57.5°	8082.1	13024.4	17964.7	22907.0	27847.3	31209.1	34569.0	37930.8	41290.7	45165.3
0.0	60°	6874.8	11818.9	16761.2	21705.4	26647.6	30520.3	34394.9	38267.6	42140.2	45769.9
0.0	62.5°	5363.2	10449.0	15536.6	20622.4	25708.2	29640.1	33572.1	37502.2	41434.2	44156.9
0.0	65°	3997.0	8935.5	13873.9	18810.4	23748.9	26898.3	30047.7	33195.2	36344.6	38030.3
0.0	67.5°	2889.2	7148.4	11405.6	15664.8	19922.1	22176.1	24430.0	26682.1	28936.0	30225.6
	70°	1953.6	4904.0	7852.5	10802.9	13751.4	15603.6	17457.7	19309.8	21162.0	22903.1
	72.5°	1352.8	3009.7	4668.6	6325.6	7982.6	9846.2	11708.0	13571.6	15433.3	17275.9
	75°	897.4	1651.2	2407.0	3160.9	3914.8	5294.3	6675.8	8055.3	9434.9	10533.1
	77.5°	637.2	862.9	1090.6	1316.4	1542.2	1800.5	2060.7	2319.0	2577.3	2969.6
	80°	302.3	331.0	359.7	386.5	415.2	509.0	602.7	696.5	790.2	889.7
	82.5°	143.5	155.0	166.5	176.0	187.5	197.1	206.6	216.2	225.8	216.2
	85°	38.3	38.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	38.3
	87.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.3	15.3	13.4
	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
111.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
332.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
797.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2070.3	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4391.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6775.3	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9191.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11130.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13022.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14819.1	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16910.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20490.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26661.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36007.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43227.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46688.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47558.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48039.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49039.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49397.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46881.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39717.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31517.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24642.4											
19118.5											
11631.4											
3361.8											
989.2											
204.7											
36.4											
13.4											
0.0											
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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	2.5°	124.4	122.5	120.5	118.6	116.7	112.9	112.9	111.0	111.0
0.0	5°	135.8	133.9	132.0	130.1	130.1	128.2	126.3	126.3	124.4
0.0	7.5°	155.0	153.1	151.2	149.2	149.2	147.3	147.3	145.4	145.4
0.0	10°	177.9	177.9	177.9	177.9	177.9	176.0	176.0	176.0	174.1
0.0	12.5°	223.9	225.8	229.6	233.4	239.2	239.2	239.2	237.3	237.3
0.0	15°	354.0	375.0	390.3	405.6	419.0	449.6	445.8	440.1	436.3
0.0	17.5°	895.5	991.1	1042.8	1092.5	1144.2	1285.8	1262.8	1239.9	1218.8
0.0	20°	2320.9	2571.6	2738.0	2904.5	3072.9	3338.8	3273.8	3208.7	3143.7
0.0	22.5°	4965.2	5541.1	5791.8	6042.4	6291.2	6612.6	6404.1	6195.5	5988.9
0.0	25°	7521.5	8269.6	8692.5	9115.3	9536.3	9720.0	9448.3	9174.6	8902.9
0.0	27.5°	10037.6	10883.3	11256.4	11627.6	12000.7	12385.3	12048.5	11709.9	11373.1
0.0	30°	12054.3	12978.4	13382.2	13784.0	14187.7	14455.6	14107.3	13757.2	13409.0
0.0	32.5°	14032.7	15043.0	15485.0	15927.0	16367.0	16751.6	16323.0	15892.5	15463.9
0.0	35°	15971.0	17124.7	17733.2	18341.6	18950.1	19307.9	18798.9	18288.1	17779.1
0.0	37.5°	18335.9	19761.4	20442.5	21123.7	21804.9	22457.3	21896.7	21334.2	20773.5
0.0	40°	22501.3	24512.3	25557.0	26603.6	27648.3	28490.2	27782.3	27074.3	26366.4
0.0	42.5°	29531.1	32401.1	33903.2	35403.2	36905.2	38219.7	37475.4	36731.1	35986.8
0.0	45°	39827.0	43646.1	45477.2	47306.4	49137.5	50098.0	49026.5	47953.1	46881.6
0.0	47.5°	47028.9	50832.7	52462.9	54093.1	55723.3	56819.7	55509.0	54198.4	52889.6
0.0	50°	50304.6	53922.8	55558.8	57192.8	58828.7	59699.3	58185.8	56670.4	55157.0
0.0	52.5°	50938.0	54318.9	56270.5	58224.1	60175.7	61339.1	59552.0	57763.0	55975.9
0.0	55°	51622.9	55206.7	57470.2	59735.7	61999.2	63610.3	61589.7	59567.3	57546.8
0.0	57.5°	52912.6	56787.2	59044.9	61300.8	63558.6	64926.7	62900.4	60872.2	58846.0
0.0	60°	53027.4	56655.1	58595.3	60537.4	62477.5	63338.6	61400.3	59460.1	57521.9
0.0	62.5°	49604.3	52327.1	53674.1	55021.1	56368.1	57303.8	55281.3	53257.0	51234.5
0.0	65°	41403.6	43089.3	44162.7	45236.1	46309.5	47425.0	45572.8	43720.7	41868.5
0.0	67.5°	32806.8	34096.4	35510.4	36924.4	38338.4	39530.4	38047.5	36562.7	35079.9
	70°	26383.6	28122.8	29712.9	31302.9	32892.9	33868.7	32380.1	30889.6	29401.0
	72.5°	20961.1	22803.6	24131.5	25457.5	26785.4	27024.6	25930.1	24835.7	23743.1
	75°	12727.8	13826.1	13852.9	13877.7	13904.5	14132.2	13225.3	12318.3	11413.3
	77.5°	3754.0	4146.3	4469.7	4791.1	5114.5	5504.8	5171.9	4837.0	4504.1
	80°	1086.8	1186.3	1270.5	1352.8	1436.9	1387.2	1308.8	1230.3	1151.9
	82.5°	195.2	183.7	181.8	179.9	179.9	170.3	155.0	139.7	124.4
	85°	34.4	32.5	30.6	28.7	26.8	24.9	21.0	19.1	15.3
	87.5°	11.5	9.6	7.7	5.7	5.7	1.9	1.9	1.9	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: P1048985

CATALOG NUMBER: GALN-SA8A-730-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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
0.0	0.0	2.5°	109.1	107.1	107.1	107.1	107.1	105.2	105.2	105.2	105.2
0.0	0.0	5°	120.5	120.5	118.6	118.6	116.7	116.7	114.8	114.8	112.9
0.0	0.0	7.5°	141.6	139.7	137.8	135.8	133.9	130.1	128.2	126.3	126.3
0.0	0.0	10°	170.3	166.5	164.6	160.7	158.8	155.0	151.2	147.3	143.5
0.0	0.0	12.5°	223.9	216.2	210.5	202.8	195.2	189.4	181.8	176.0	168.4
0.0	0.0	15°	388.4	369.3	348.2	323.4	296.6	271.7	244.9	229.6	212.4
0.0	0.0	17.5°	993.0	893.5	792.1	709.9	627.6	547.2	465.0	405.6	346.3
0.0	0.0	20°	2527.6	2252.0	1976.5	1704.8	1431.2	1159.5	885.9	748.1	610.4
0.0	0.0	22.5°	4756.7	4245.8	3733.0	3237.4	2740.0	2244.4	1748.8	1436.9	1127.0
0.0	0.0	25°	7341.6	6698.7	6055.8	5240.7	4423.7	3608.6	2793.5	2286.5	1779.4
0.0	0.0	27.5°	9553.5	8813.0	8072.5	7081.4	6090.3	5099.2	4108.0	3352.2	2598.4
0.0	0.0	30°	11468.8	10672.8	9876.9	8723.1	7569.3	6415.6	5261.8	4316.6	3371.4
0.0	0.0	32.5°	13129.6	12176.7	11223.9	10033.8	8843.6	7653.5	6463.4	5303.9	4144.4
0.0	0.0	35°	15044.9	13933.2	12819.6	11499.4	10177.3	8857.0	7536.8	6228.0	4917.4
0.0	0.0	37.5°	17478.7	16114.5	14748.3	13276.9	11805.5	10336.1	8864.7	7368.4	5872.2
0.0	0.0	40°	22137.8	20377.5	18617.2	16747.8	14876.5	13007.1	11137.8	9300.9	7464.1
0.0	0.0	42.5°	30485.9	28107.5	25729.2	23241.8	20752.5	18265.1	15775.8	13185.1	10592.5
0.0	0.0	45°	39907.3	36956.9	34004.6	31212.9	28419.4	25627.8	22836.2	19281.1	15726.1
0.0	0.0	47.5°	45205.5	42019.7	38833.9	36191.6	33549.2	30906.8	28264.4	24431.9	20599.4
0.0	0.0	50°	47155.2	43912.0	40668.9	38237.0	35803.1	33371.2	30937.4	27099.2	23259.0
0.0	0.0	52.5°	47570.4	44262.2	40953.9	38506.7	36059.5	33614.2	31167.0	27353.7	23540.3
0.0	0.0	55°	48423.8	44874.5	41323.2	38533.5	35743.8	32954.1	30164.4	26289.8	22415.2
0.0	0.0	57.5°	49539.3	45900.0	42260.8	39082.7	35904.5	32728.3	29550.2	25314.0	21077.8
0.0	0.0	60°	49246.5	46079.9	42911.3	39507.4	36101.6	32697.7	29291.9	24632.8	19971.8
0.0	0.0	62.5°	44164.6	41642.8	39119.0	36319.7	33518.6	30719.3	27920.0	23123.2	18326.3
0.0	0.0	65°	36333.1	34492.5	32651.8	30399.8	28145.8	25893.7	23641.7	19340.4	15041.1
0.0	0.0	67.5°	29446.9	27372.8	25296.8	23502.0	21705.4	19910.6	18114.0	14729.2	11344.4
		70°	23394.9	21139.0	18881.2	17128.6	15374.0	13621.3	11868.7	9618.6	7370.3
		72.5°	18578.9	16545.0	14511.1	12641.7	10770.4	8901.0	7029.8	5700.0	4370.2
		75°	8880.0	8066.8	7253.6	6275.9	5298.1	4320.4	3342.7	2762.9	2185.1
		77.5°	3291.0	2852.8	2412.8	2014.8	1616.8	1220.7	822.8	753.9	685.0
		80°	851.5	742.4	631.4	553.0	472.6	394.2	315.7	285.1	256.4
		82.5°	97.6	89.9	84.2	80.4	74.6	70.8	65.1	59.3	53.6
		85°	5.7	3.8	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):

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REPORT NUMBER: P1048985

CATALOG NUMBER: GALN-SA8A-730-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	111.0	111.0
0.0	0.0	2.5°	103.3	101.4
0.0	0.0	5°	109.1	107.1
0.0	0.0	7.5°	120.5	116.7
0.0	0.0	10°	132.0	128.2
0.0	0.0	12.5°	149.2	143.5
0.0	0.0	15°	168.4	156.9
0.0	0.0	17.5°	200.9	176.0
0.0	0.0	20°	271.7	208.6
0.0	0.0	22.5°	382.7	260.2
0.0	0.0	25°	562.5	359.7
0.0	0.0	27.5°	782.6	478.3
0.0	0.0	30°	1040.9	598.9
0.0	0.0	32.5°	1268.6	713.7
0.0	0.0	35°	1565.1	830.4
0.0	0.0	37.5°	1930.6	979.6
0.0	0.0	40°	2497.0	1205.4
0.0	0.0	42.5°	3516.8	1622.5
0.0	0.0	45°	5711.4	2805.0
0.0	0.0	47.5°	8788.1	4639.9
0.0	0.0	50°	10751.3	5921.9
0.0	0.0	52.5°	10912.0	5912.3
0.0	0.0	55°	9961.0	5256.1
0.0	0.0	57.5°	8499.2	4393.1
0.0	0.0	60°	7064.2	3474.7
0.0	0.0	62.5°	5566.0	2399.4
0.0	0.0	65°	4067.8	1697.2
0.0	0.0	67.5°	2921.7	1268.6
		70°	1921.0	972.0
		72.5°	1251.3	792.1
		75°	841.9	656.3
		77.5°	491.7	436.3
		80°	174.1	153.1
		82.5°	32.5	23.0
		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: P1048985

CATALOG NUMBER: GALN-SA8A-730-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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

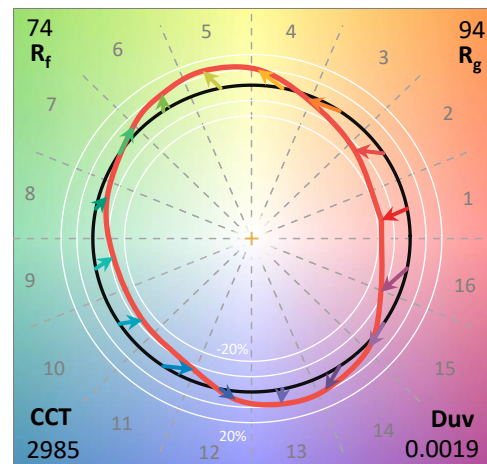
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

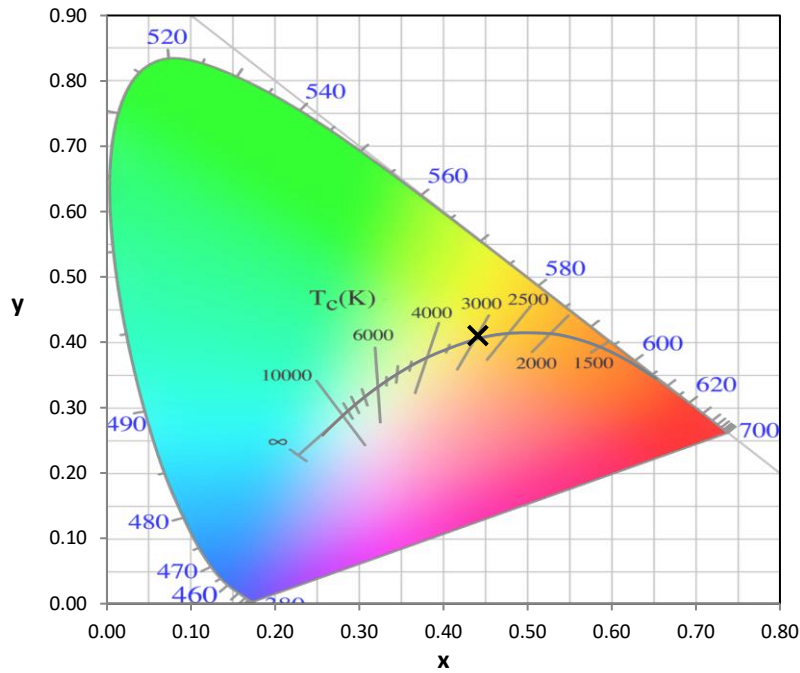
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

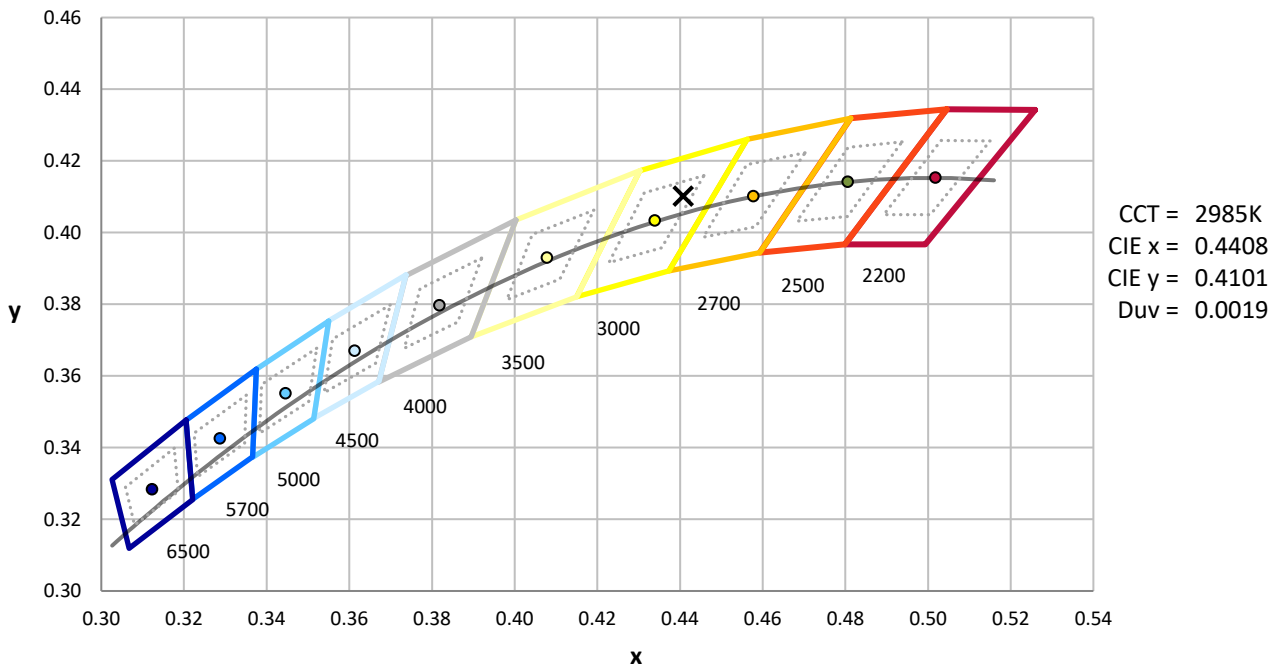
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



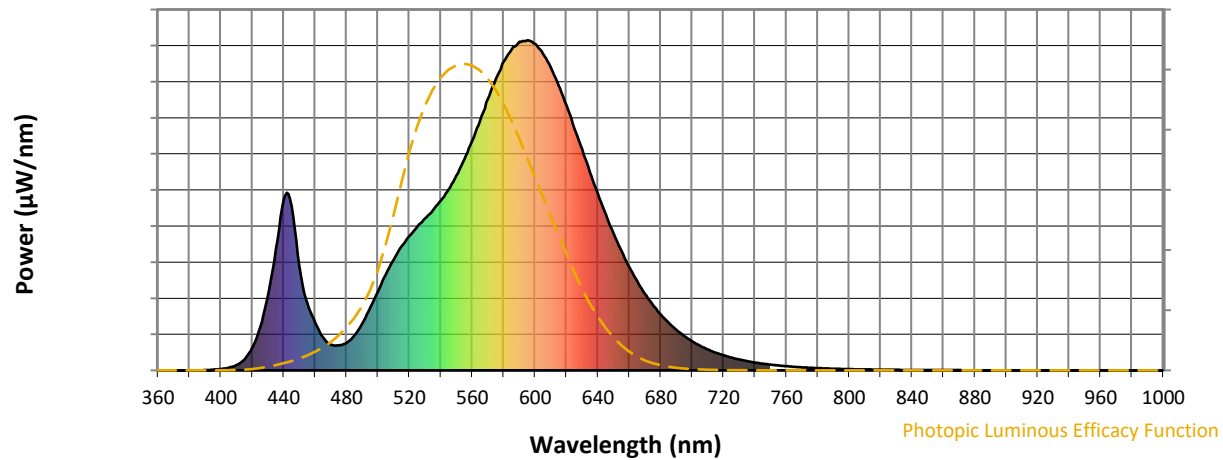
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

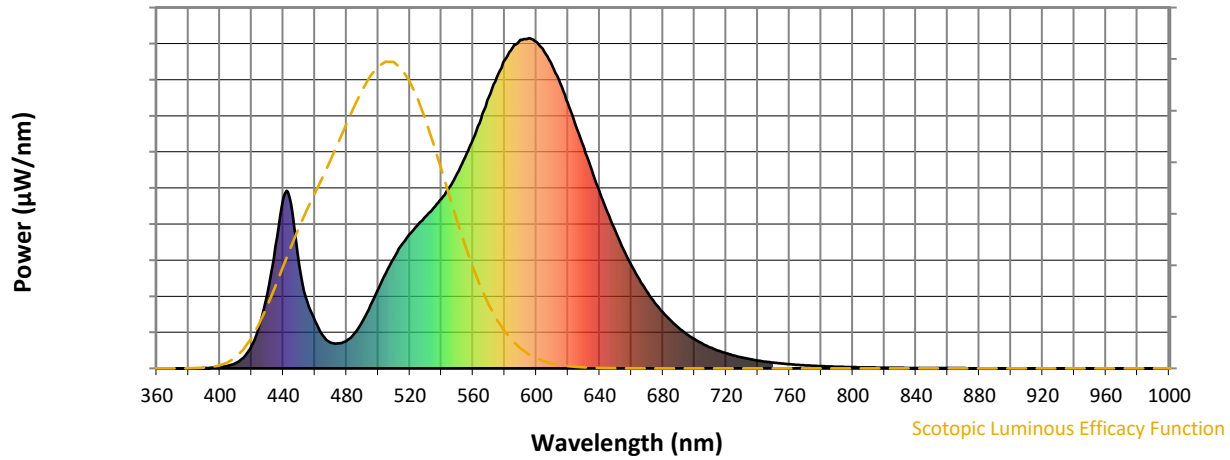


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



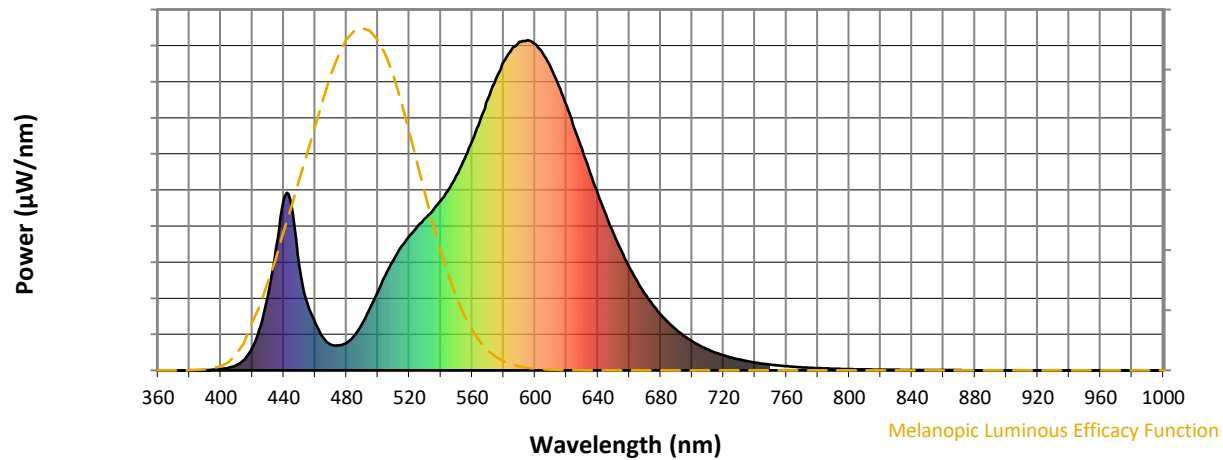
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

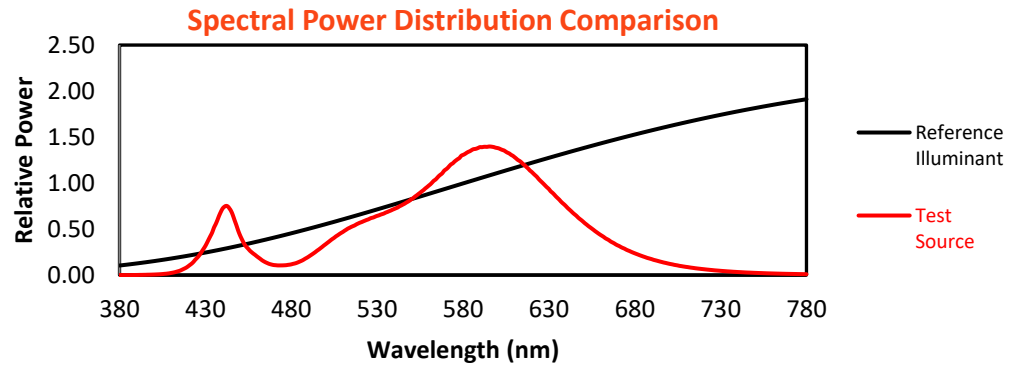
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

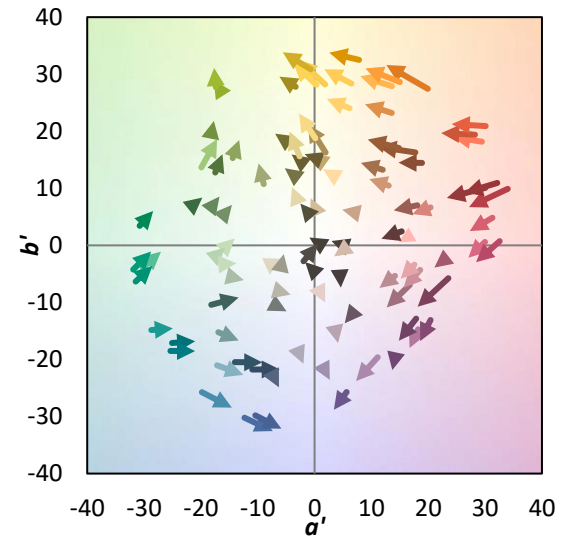
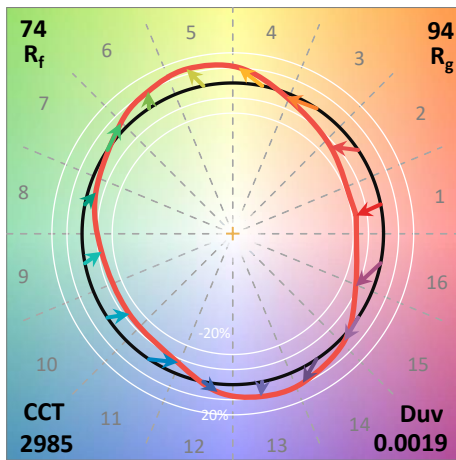
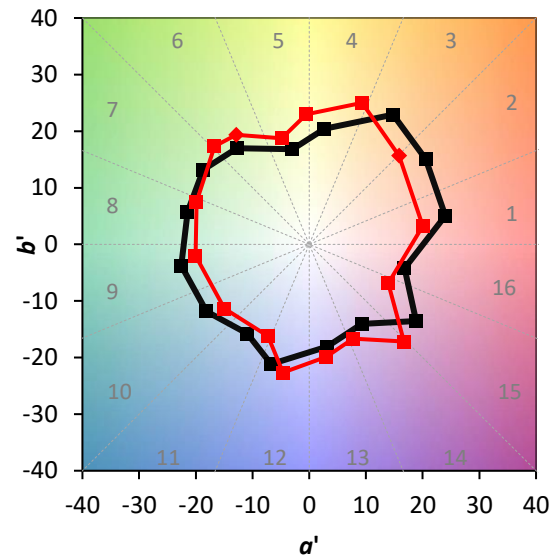
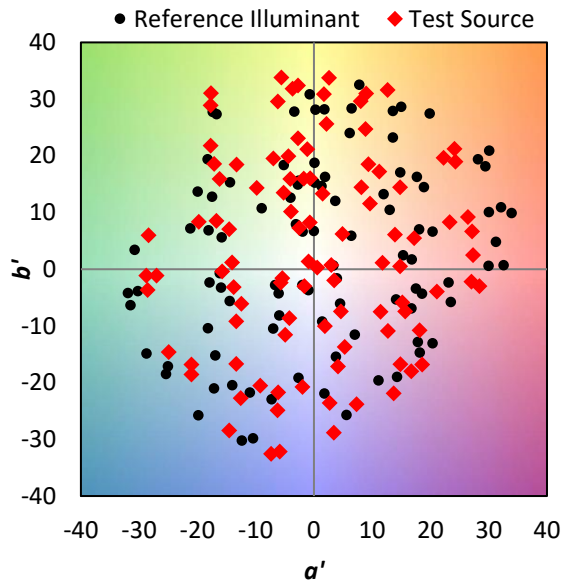
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE\ R_a = 70.8$
 $R_g = -43.2$

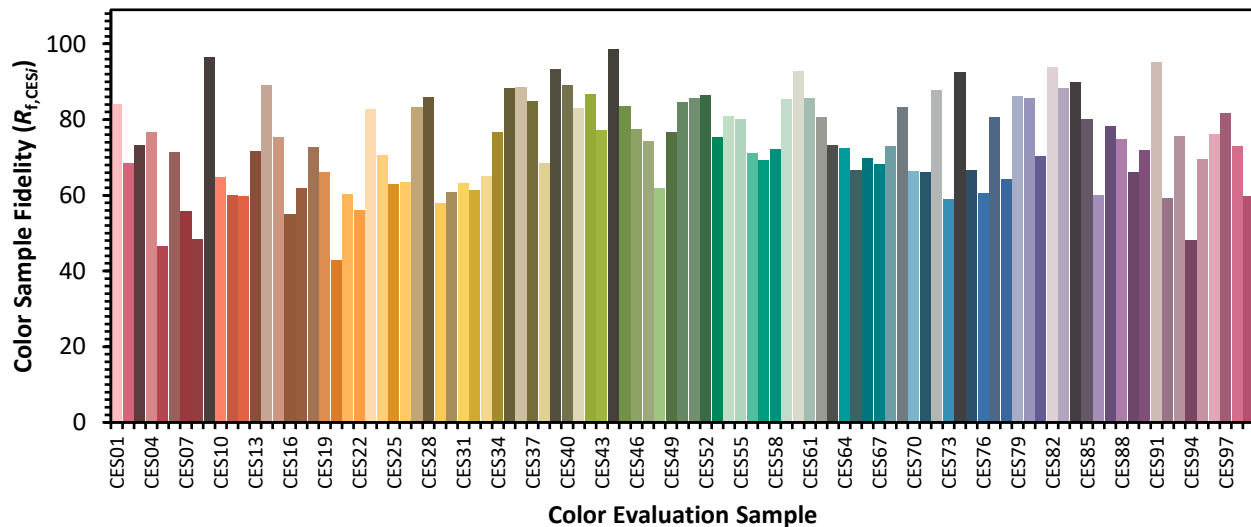


Color Vector Graphics

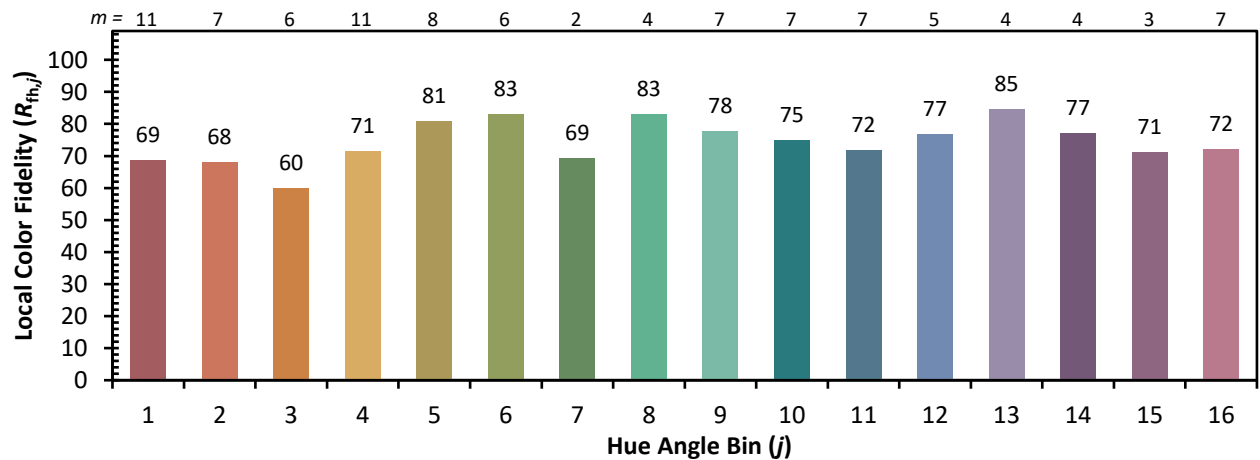
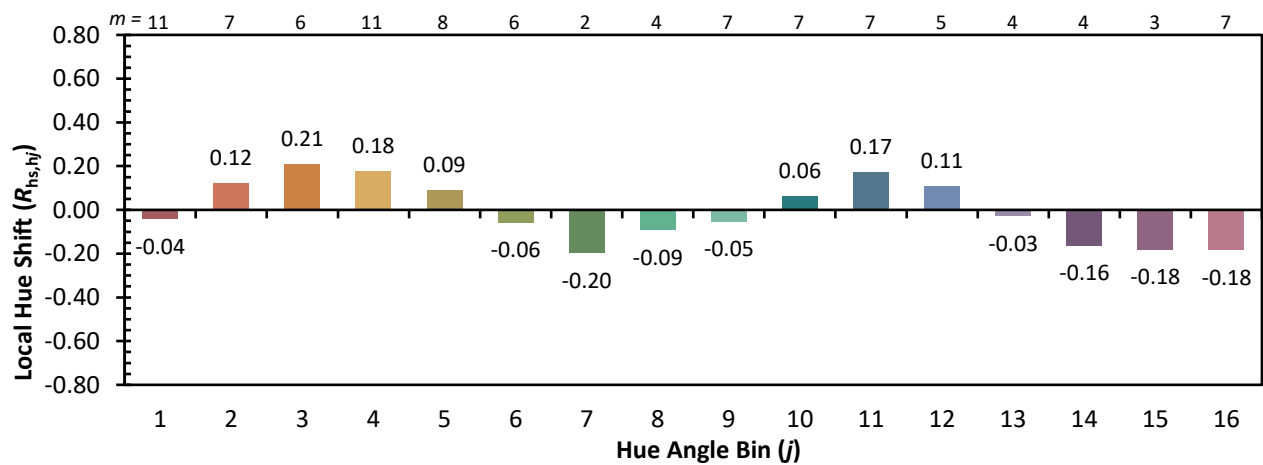
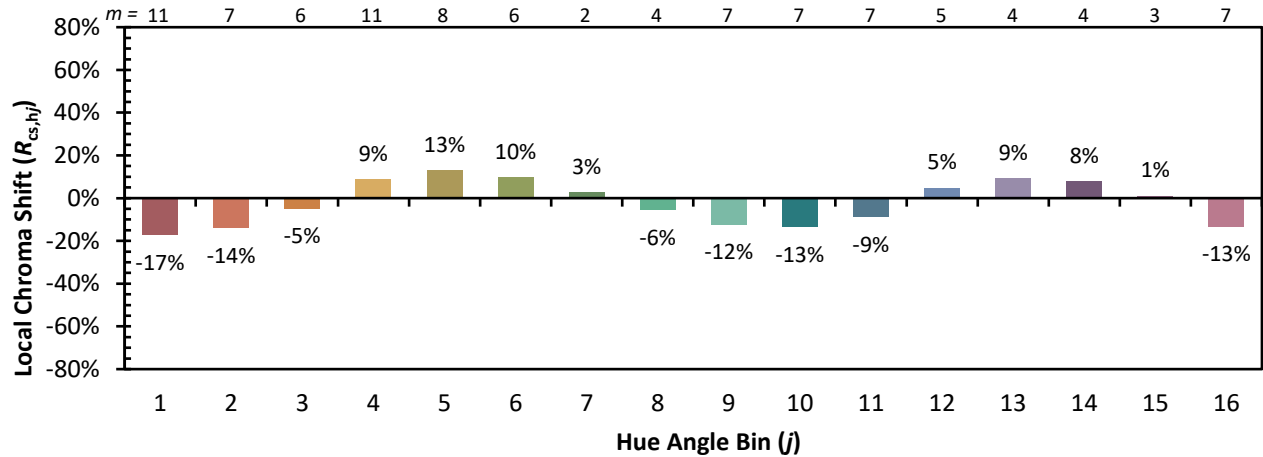


Individual Sample Fidelity Index ($R_{f,i}$)

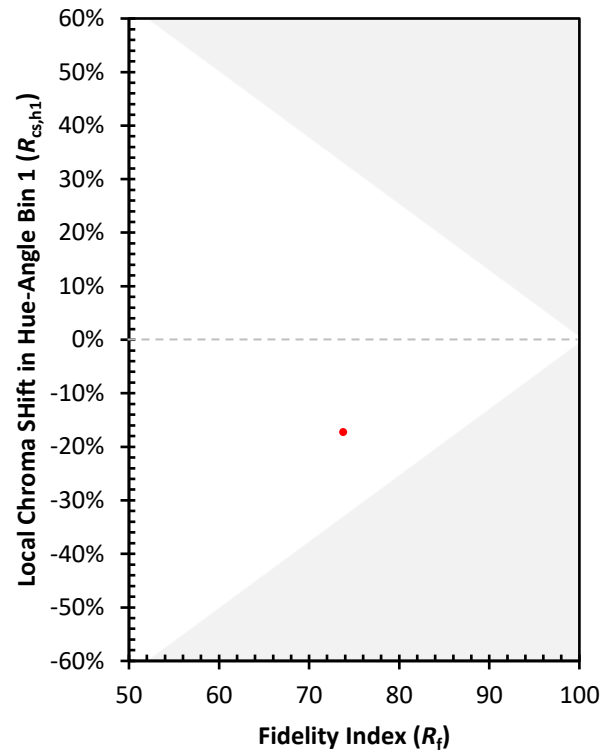
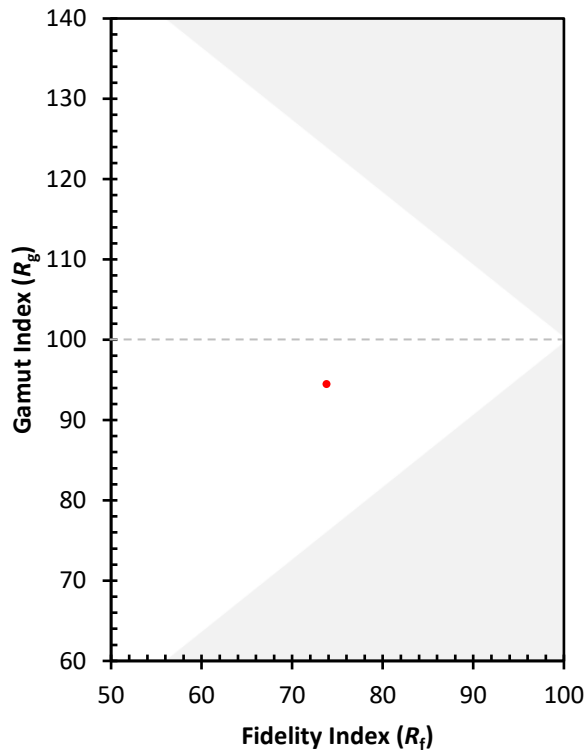
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)