

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: P1049329

Luminaire Tested: **GALN-SA4A-930-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049329
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-930-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9184.7 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

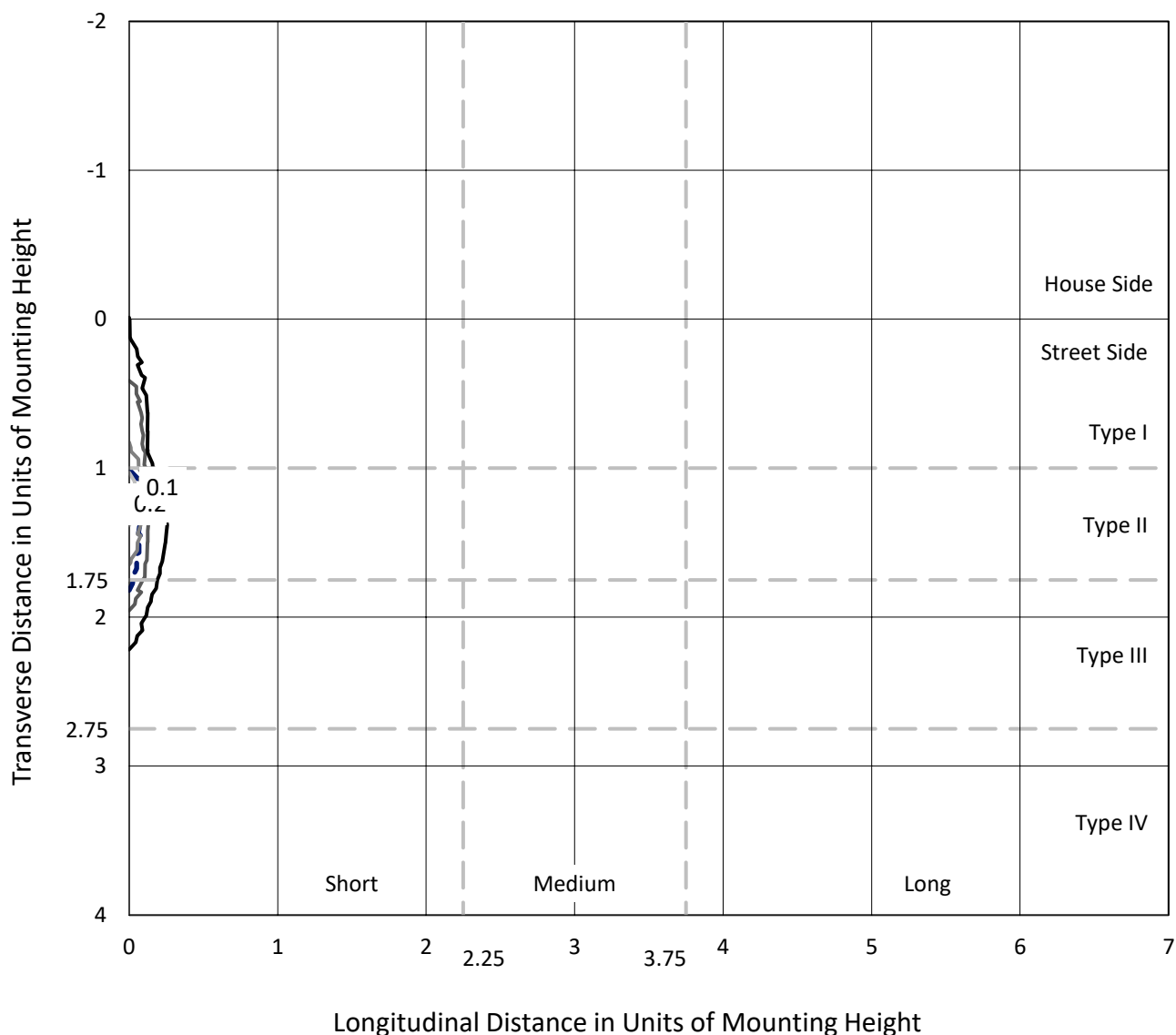
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

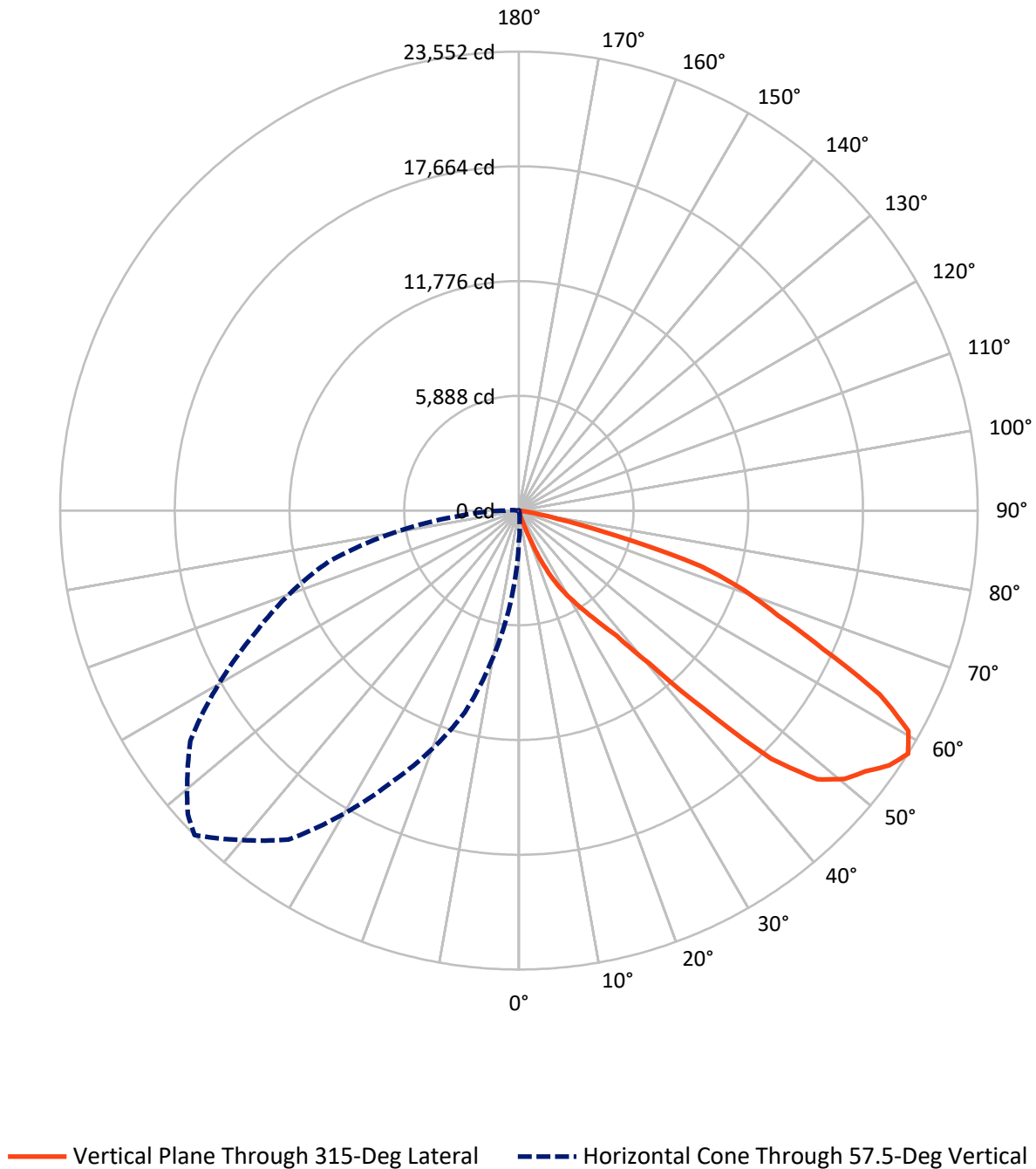


Based on 20 foot mounting height. Maximum calculated value = 1.4 fc

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	46.0	0.0	46.0
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	9138.8	0.0	9138.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	9184.7	0.0	9184.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	20.2	0.2
20°-30°	217.7	2.4
30°-40°	643.7	7.0
40°-50°	1918.3	20.9
50°-60°	3041.8	33.1
60°-70°	2539.1	27.6
70°-80°	783.0	8.5
80°-90°	17.4	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°	9184.7	100.0
0°-180°	9184.7	100.0



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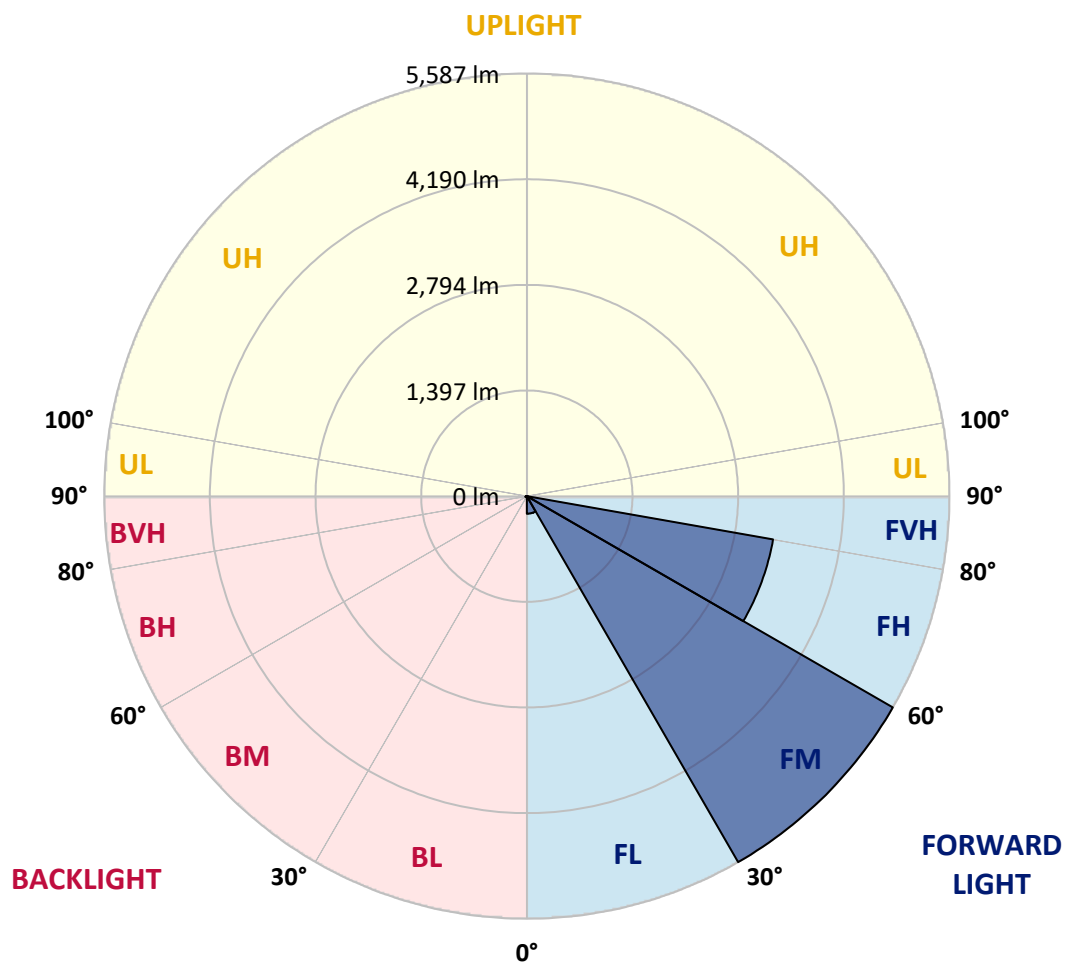
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.0	2.5			
FM	(30°-60°)	5587.3	60.8			
FH	(60°-80°)	3305.0	36.0			G2/5000
FVH	(80°-90°)	13.5	0.1			G1/100
BL	(0°-30°)	8.4	0.1	B0/110		
BM	(30°-60°)	16.4	0.2	B0/220		
BH	(60°-80°)	17.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
2.5°	36.8	36.8	36.8	36.8	36.1	36.1	35.4	35.4	34.7	34.7
5°	38.9	38.9	38.2	37.5	37.5	36.8	36.1	35.4	35.4	34.7
7.5°	42.3	41.6	41.0	40.3	38.9	38.2	36.8	36.1	35.4	34.0
10°	46.5	45.1	43.7	42.3	41.0	39.6	38.2	37.5	36.1	35.4
12.5°	52.1	50.0	47.2	45.1	43.7	41.6	40.3	38.9	36.8	35.4
15°	56.9	54.1	50.7	47.9	45.8	43.0	41.0	38.9	37.5	35.4
17.5°	63.9	59.0	53.4	50.0	47.2	43.7	40.3	38.2	36.1	33.3
20°	75.7	65.9	55.5	51.4	47.2	43.0	38.9	36.1	34.0	31.2
22.5°	94.4	77.7	61.1	54.8	49.3	43.0	37.5	34.7	31.9	29.2
25°	130.5	100.6	70.8	62.5	54.1	45.8	37.5	34.0	31.2	27.8
27.5°	173.5	129.1	84.0	72.2	61.1	49.3	37.5	33.3	29.8	25.7
30°	217.2	158.3	98.6	83.3	68.0	52.8	37.5	32.6	28.5	23.6
32.5°	258.9	185.3	111.1	93.0	75.0	56.2	38.2	32.6	27.1	21.5
35°	301.2	207.5	113.1	94.4	75.7	56.2	37.5	31.2	25.7	19.4
37.5°	355.4	232.5	109.0	90.2	72.2	53.4	35.4	29.8	24.3	18.0
40°	437.3	274.2	111.1	91.6	72.2	52.8	33.3	27.8	22.9	17.4
42.5°	588.6	354.7	120.1	97.9	75.7	52.8	30.5	25.7	21.5	16.7
45°	1017.5	589.3	161.0	127.7	94.4	61.1	27.8	23.6	20.1	16.0
47.5°	1683.2	986.3	289.4	223.5	158.3	92.3	27.1	23.6	20.1	16.0
50°	2148.2	1256.3	364.4	280.4	196.4	112.4	28.5	24.3	20.8	16.7
52.5°	2144.7	1275.7	406.0	311.6	217.9	123.5	29.8	25.7	22.2	18.0
55°	1906.6	1160.5	413.7	317.9	222.8	127.0	31.9	27.8	23.6	19.4
57.5°	1593.6	985.6	377.6	292.2	207.5	122.2	36.8	31.9	27.8	22.9
60°	1260.5	777.4	294.3	232.5	171.4	109.7	48.6	42.3	36.8	30.5
62.5°	870.4	563.6	256.8	206.1	156.2	105.5	55.5	49.3	43.7	37.5
65°	615.7	424.1	231.8	188.8	146.5	103.4	60.4	53.4	47.2	40.3
67.5°	460.2	337.3	213.8	177.0	140.2	103.4	66.6	58.3	50.7	42.3
70°	352.6	276.9	200.6	170.7	141.6	111.7	81.9	70.1	59.0	47.2
72.5°	287.4	236.7	185.3	163.8	142.3	120.8	99.3	84.0	68.7	52.8
75°	238.1	202.7	167.3	149.2	131.9	113.8	95.8	81.9	68.7	54.8
77.5°	158.3	144.4	129.8	119.4	109.0	97.9	87.5	75.7	64.5	52.8
80°	55.5	53.4	51.4	55.5	59.7	63.9	68.0	59.7	52.1	43.7
82.5°	8.3	7.6	6.9	7.6	8.3	9.0	9.7	10.4	11.1	11.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4A-930-U-RBC

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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	34.0	34.0	33.3	33.3	33.3	32.6	32.6	31.9	31.9	31.9
0.0	5°	33.3	33.3	32.6	31.9	31.2	31.2	30.5	29.8	29.8	29.2
0.0	7.5°	32.6	31.9	31.2	30.5	29.8	29.2	28.5	27.8	27.8	27.1
0.0	10°	33.3	31.9	31.2	29.8	29.2	28.5	27.1	26.4	25.7	25.7
0.0	12.5°	31.9	31.2	29.8	28.5	27.8	26.4	25.7	24.3	23.6	23.6
0.0	15°	31.9	30.5	28.5	27.1	25.7	25.0	23.6	22.2	21.5	20.8
0.0	17.5°	29.8	28.5	26.4	25.0	23.6	22.2	20.8	19.4	18.7	18.0
0.0	20°	27.1	25.7	23.6	21.5	20.1	18.7	17.4	16.0	15.3	14.6
0.0	22.5°	24.3	22.9	20.8	18.7	17.4	16.0	13.9	12.5	11.8	10.4
0.0	25°	22.9	20.8	18.7	16.7	14.6	13.2	11.1	9.0	7.6	6.2
0.0	27.5°	19.4	17.4	15.3	13.2	11.1	9.0	6.9	4.9	3.5	2.8
0.0	30°	16.7	14.6	12.5	10.4	7.6	5.6	3.5	0.7	0.7	0.7
0.0	32.5°	13.9	11.8	9.0	6.9	5.6	3.5	2.1	0.0	0.0	0.0
0.0	35°	11.1	9.0	6.2	4.2	3.5	2.1	1.4	0.0	0.0	0.0
0.0	37.5°	9.7	7.6	4.9	2.1	1.4	1.4	0.7	0.0	0.0	0.0
0.0	40°	9.0	6.2	3.5	0.7	0.7	0.7	0.0	0.0	0.0	0.0
0.0	42.5°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	9.7	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	11.1	8.3	5.6	2.8	2.1	1.4	0.7	0.0	0.0	0.0
0.0	55°	13.9	12.5	10.4	9.0	6.9	4.9	2.1	0.0	0.0	0.0
0.0	57.5°	18.0	18.0	17.4	16.7	12.5	8.3	4.2	0.0	0.0	0.0
0.0	60°	24.3	24.3	24.3	24.3	18.0	12.5	6.2	0.0	0.0	0.0
0.0	62.5°	29.8	28.5	26.4	25.0	18.7	12.5	6.2	0.0	0.0	0.0
0.0	65°	29.8	27.1	23.6	20.1	15.3	10.4	4.9	0.0	0.0	0.0
0.0	67.5°	27.8	22.2	16.0	10.4	7.6	5.6	2.8	0.0	0.0	0.0
	70°	27.8	19.4	11.1	2.8	2.1	1.4	0.7	0.0	0.0	0.0
	72.5°	27.8	18.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	30.5	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	30.5	20.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	27.1	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	9.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	31.2	31.2	31.2	30.5	30.5	30.5	30.5	29.8	29.8	29.8
0.0	5°	28.5	28.5	27.8	27.8	27.1	27.1	26.4	26.4	25.7	25.7
0.0	7.5°	26.4	25.7	25.7	25.0	24.3	24.3	23.6	23.6	22.9	22.2
0.0	10°	24.3	23.6	23.6	22.9	22.2	21.5	21.5	20.8	20.1	19.4
0.0	12.5°	22.2	21.5	20.8	20.1	19.4	18.7	18.7	18.0	17.4	16.7
0.0	15°	19.4	18.7	18.0	17.4	16.7	16.0	16.0	15.3	14.6	13.9
0.0	17.5°	16.7	16.0	16.0	15.3	14.6	13.9	13.2	11.8	11.1	10.4
0.0	20°	12.5	11.8	11.1	10.4	9.7	8.3	7.6	6.2	4.9	4.2
0.0	22.5°	8.3	6.9	6.2	4.9	3.5	2.8	2.1	0.7	0.0	0.0
0.0	25°	2.8	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049329

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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049329

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CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	29.2	29.2	29.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5
0.0	5°	25.0	25.0	25.0	24.3	24.3	23.6	23.6	23.6	22.9	22.9
0.0	7.5°	21.5	20.8	20.8	20.1	20.1	19.4	19.4	19.4	18.7	18.7
0.0	10°	18.0	17.4	17.4	16.7	16.7	16.0	16.0	15.3	15.3	14.6
0.0	12.5°	16.0	15.3	14.6	13.9	13.9	13.2	12.5	12.5	11.8	11.1
0.0	15°	12.5	11.8	11.1	10.4	9.7	9.0	8.3	8.3	7.6	6.9
0.0	17.5°	8.3	6.9	6.2	5.6	5.6	4.9	4.2	3.5	2.8	2.1
0.0	20°	2.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049329

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CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	28.5	27.8	27.8	27.8	28.5	28.5	28.5	28.5	28.5	28.5
0.0	5°	22.9	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
0.0	7.5°	18.7	18.0	18.0	18.0	18.0	17.4	17.4	17.4	17.4	17.4
0.0	10°	14.6	13.9	13.9	13.9	13.9	13.2	13.2	13.2	13.2	13.2
0.0	12.5°	10.4	10.4	9.7	9.7	9.7	9.0	9.0	9.0	9.0	8.3
0.0	15°	6.2	5.6	4.9	4.9	4.9	4.2	4.2	4.2	4.2	3.5
0.0	17.5°	1.4	1.4	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	29.2	29.2	29.8	29.8	30.5	31.9	32.6	33.3	34.7	36.1
0.0	5°	22.9	23.6	23.6	24.3	25.0	25.7	26.4	27.1	28.5	29.8
0.0	7.5°	18.0	18.0	18.7	18.7	19.4	20.8	21.5	22.2	23.6	25.7
0.0	10°	13.9	13.9	14.6	14.6	15.3	16.7	17.4	18.0	19.4	21.5
0.0	12.5°	9.0	9.7	9.7	10.4	11.1	12.5	13.2	13.9	15.3	16.7
0.0	15°	4.2	4.9	4.9	5.6	6.2	7.6	8.3	9.0	10.4	12.5
0.0	17.5°	0.7	0.7	1.4	1.4	2.1	2.8	3.5	4.2	6.2	7.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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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CANDELA DISTRIBUTION (continued):

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CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	38.2	39.6	41.0	42.3	43.7	45.1	45.8	47.2	47.9	48.6
0.0	5°	32.6	34.0	36.1	37.5	38.9	40.3	41.6	42.3	43.0	43.7
0.0	7.5°	28.5	29.8	31.9	33.3	34.7	36.1	37.5	38.9	39.6	40.3
0.0	10°	24.3	26.4	27.8	29.8	31.2	32.6	34.0	35.4	36.8	37.5
0.0	12.5°	19.4	21.5	23.6	25.0	27.1	29.2	30.5	31.9	33.3	34.7
0.0	15°	15.3	17.4	19.4	20.8	22.9	25.0	27.1	28.5	29.8	31.2
0.0	17.5°	11.1	13.2	15.3	16.7	18.7	20.8	22.2	24.3	25.7	27.1
0.0	20°	5.6	7.6	9.7	11.8	13.9	16.0	17.4	19.4	20.8	22.2
0.0	22.5°	0.7	2.8	4.9	6.2	8.3	10.4	11.8	13.9	15.3	16.7
0.0	25°	0.0	0.7	2.1	2.8	3.5	4.9	6.2	7.6	9.0	10.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.8	4.2	5.6
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
	85°	0.0	0.0	0.0	0.0	0.0	1.4	2.1	3.5	4.2	4.9
	87.5°	0.0	0.7	1.4	2.1	2.8	4.2	5.6	6.9	7.6	8.3
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	49.3	49.3	49.3	49.3	48.6	48.6	48.6	47.9	47.9	47.2
0.0	5°	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.1	45.1
0.0	7.5°	41.6	42.3	43.0	43.0	43.7	43.7	43.7	43.0	43.0	42.3
0.0	10°	39.6	40.3	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0
0.0	12.5°	36.8	37.5	38.2	38.2	38.9	38.9	38.9	38.9	38.2	38.2
0.0	15°	33.3	34.7	35.4	36.1	36.1	36.8	36.8	36.8	36.8	36.8
0.0	17.5°	30.5	31.9	32.6	33.3	33.3	34.0	34.0	34.7	34.7	34.7
0.0	20°	25.0	26.4	27.1	28.5	29.2	29.8	30.5	31.2	31.2	31.9
0.0	22.5°	19.4	20.8	21.5	22.9	23.6	24.3	25.0	25.7	26.4	27.1
0.0	25°	13.9	15.3	16.0	17.4	18.0	18.7	19.4	20.1	20.1	20.8
0.0	27.5°	7.6	9.0	10.4	11.1	12.5	13.2	13.9	14.6	15.3	16.0
0.0	30°	3.5	4.2	4.9	6.2	6.9	7.6	8.3	9.7	10.4	11.1
0.0	32.5°	0.0	0.0	0.7	2.1	2.8	3.5	4.2	4.9	4.9	5.6
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	2.8
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	82.5°	3.5	4.2	4.9	4.9	5.6	5.6	5.6	5.6	4.9	4.9
	85°	6.9	7.6	8.3	8.3	9.0	9.0	9.0	9.0	9.0	9.0
	87.5°	9.7	10.4	11.1	11.1	11.8	11.8	11.8	11.8	11.8	11.8
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
40.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.2	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.1	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.8	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.1											
4.9											
9.0											
11.8											
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REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	46.5	46.5	45.8	45.8	45.8	45.8	45.8	46.5	47.2	47.2
0.0	5°	44.4	44.4	43.7	43.7	43.7	44.4	44.4	45.1	45.8	46.5
0.0	7.5°	42.3	41.6	41.6	42.3	42.3	43.0	43.0	43.7	44.4	45.1
0.0	10°	41.0	40.3	40.3	40.3	41.0	41.0	41.6	42.3	43.0	43.7
0.0	12.5°	38.2	38.2	38.2	38.2	38.9	38.9	39.6	40.3	41.6	42.3
0.0	15°	36.8	36.1	36.1	36.1	36.1	36.8	36.8	38.2	39.6	40.3
0.0	17.5°	34.0	34.0	33.3	33.3	34.0	34.0	34.7	36.1	37.5	38.2
0.0	20°	31.2	30.5	29.8	29.8	30.5	30.5	31.2	32.6	34.0	34.7
0.0	22.5°	27.1	26.4	26.4	26.4	26.4	27.1	27.1	28.5	30.5	31.9
0.0	25°	21.5	22.2	22.2	22.9	22.9	23.6	24.3	25.7	27.8	29.2
0.0	27.5°	16.7	17.4	17.4	18.7	19.4	20.1	20.8	22.9	25.0	26.4
0.0	30°	12.5	13.2	13.9	14.6	16.0	17.4	18.7	20.8	22.9	24.3
0.0	32.5°	7.6	9.0	9.7	11.1	12.5	13.9	15.3	17.4	20.1	22.2
0.0	35°	5.6	6.2	7.6	8.3	9.7	11.1	12.5	15.3	17.4	20.1
0.0	37.5°	2.8	4.2	5.6	6.9	8.3	9.7	11.1	13.9	16.7	18.7
0.0	40°	2.1	3.5	4.2	5.6	7.6	9.0	10.4	13.2	16.0	18.7
0.0	42.5°	1.4	2.1	2.8	4.9	6.2	8.3	10.4	13.2	16.0	18.7
0.0	45°	1.4	1.4	2.1	4.2	6.2	9.0	11.1	13.9	16.0	18.7
0.0	47.5°	1.4	2.1	2.8	5.6	6.9	9.0	11.1	13.2	16.0	18.0
0.0	50°	2.1	2.8	3.5	6.2	7.6	9.7	11.1	13.9	16.0	18.7
0.0	52.5°	1.4	2.1	2.8	5.6	7.6	10.4	12.5	15.3	18.0	20.1
0.0	55°	0.7	0.7	0.7	4.2	8.3	11.8	16.0	18.0	20.8	22.9
0.0	57.5°	0.0	0.0	0.0	2.8	8.3	13.2	18.0	20.8	23.6	25.7
0.0	60°	0.0	0.0	0.0	2.8	8.3	13.2	18.0	21.5	25.0	28.5
0.0	62.5°	0.0	0.0	0.0	2.8	6.9	11.1	15.3	20.8	27.1	32.6
0.0	65°	0.0	0.0	0.0	2.1	5.6	9.0	12.5	20.8	29.2	36.8
0.0	67.5°	0.0	0.0	0.0	2.1	5.6	8.3	11.8	20.8	29.2	38.2
	70°	0.0	0.0	0.0	2.1	5.6	9.0	12.5	20.8	29.2	37.5
	72.5°	0.0	0.0	0.0	2.1	6.2	9.7	13.9	20.8	27.8	34.7
	75°	0.0	0.0	0.0	2.8	6.2	10.4	14.6	20.8	27.1	32.6
	77.5°	0.0	0.0	0.0	2.1	6.2	9.7	13.9	20.1	26.4	31.9
	80°	2.1	1.4	1.4	3.5	6.2	9.0	11.8	18.0	25.0	31.2
	82.5°	4.2	4.2	3.5	4.9	6.2	8.3	10.4	16.0	22.2	27.8
	85°	8.3	8.3	7.6	8.3	8.3	9.0	9.7	12.5	15.3	18.0
	87.5°	11.1	11.1	10.4	10.4	10.4	9.7	9.7	9.7	9.7	9.0
	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: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
40.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.5	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.3	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28.5	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.9	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.2	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.5	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8											
41.6											
38.9											
38.2											
37.5											
33.3											
20.8											
9.0											
0.0											
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REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	48.6	49.3	49.3	50.0	50.7	51.4	51.4	52.1	52.1	52.1
0.0	5°	47.9	49.3	50.0	50.7	51.4	52.1	52.8	53.4	54.1	54.1
0.0	7.5°	47.2	47.9	49.3	50.0	51.4	52.1	53.4	54.1	54.8	55.5
0.0	10°	45.8	47.2	48.6	50.0	51.4	52.8	54.1	55.5	56.9	57.6
0.0	12.5°	44.4	46.5	47.9	49.3	51.4	53.4	54.8	56.9	58.3	59.7
0.0	15°	43.7	45.1	47.2	48.6	51.4	54.1	56.2	59.0	61.8	63.9
0.0	17.5°	41.6	44.4	46.5	48.6	51.4	54.8	57.6	60.4	64.5	68.7
0.0	20°	38.9	41.0	43.7	45.8	50.0	53.4	57.6	61.1	67.3	73.6
0.0	22.5°	36.1	38.9	41.0	43.7	48.6	52.8	57.6	61.8	72.2	81.9
0.0	25°	33.3	36.8	39.6	42.3	47.9	53.4	59.0	64.5	81.9	99.3
0.0	27.5°	31.9	34.7	38.2	41.0	47.9	55.5	62.5	69.4	97.2	124.2
0.0	30°	29.8	33.3	36.1	39.6	48.6	57.6	66.6	75.7	118.0	160.3
0.0	32.5°	27.8	31.2	34.7	38.2	50.0	61.8	72.9	84.7	140.2	195.0
0.0	35°	25.7	29.8	33.3	36.8	52.1	68.0	83.3	98.6	160.3	221.4
0.0	37.5°	25.0	29.2	32.6	36.1	52.8	68.7	85.4	101.3	162.4	223.5
0.0	40°	25.7	29.2	33.3	36.8	50.7	64.5	77.7	91.6	155.5	218.6
0.0	42.5°	25.7	29.8	34.0	38.2	49.3	60.4	71.5	82.6	153.4	224.2
0.0	45°	25.0	29.2	33.3	37.5	47.9	57.6	68.0	77.7	165.9	253.3
0.0	47.5°	24.3	28.5	32.6	36.8	47.2	57.6	68.0	78.4	214.5	349.8
0.0	50°	24.3	28.5	31.9	35.4	47.9	61.1	73.6	86.1	312.3	537.9
0.0	52.5°	25.7	29.2	31.9	34.7	49.3	64.5	79.1	93.7	397.0	699.6
0.0	55°	27.8	29.8	32.6	34.7	52.8	70.1	88.1	105.5	422.7	739.9
0.0	57.5°	30.5	32.6	34.7	36.8	59.0	81.2	102.7	124.9	424.8	723.9
0.0	60°	34.0	36.8	38.9	41.0	64.5	88.8	112.4	136.0	384.5	632.3
0.0	62.5°	41.6	45.1	47.9	51.4	74.3	96.5	119.4	141.6	319.3	497.0
0.0	65°	47.9	50.7	53.4	56.2	78.4	101.3	123.5	145.8	270.7	395.6
0.0	67.5°	49.3	52.1	54.1	56.9	79.8	102.7	124.9	147.8	231.8	315.1
	70°	50.0	53.4	57.6	61.1	84.7	108.3	131.2	154.8	205.4	256.1
	72.5°	47.9	54.8	61.1	67.3	89.5	111.1	133.3	154.8	190.9	227.0
	75°	47.9	57.6	66.6	75.7	92.3	108.3	124.9	140.9	168.7	196.4
	77.5°	50.7	63.2	75.7	88.1	97.9	106.9	116.6	125.6	143.7	161.7
	80°	50.7	63.9	76.3	89.5	93.7	98.6	102.7	106.9	109.0	111.1
	82.5°	43.7	54.1	64.5	75.0	70.1	65.2	60.4	55.5	52.1	47.9
	85°	22.2	24.3	25.7	27.1	25.0	22.9	20.8	18.7	17.4	15.3
	87.5°	9.0	9.0	8.3	8.3	8.3	8.3	7.6	7.6	7.6	7.6
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
40.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.3	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.3	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.4	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.8	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
278.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
347.7	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
394.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
465.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
535.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
674.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1027.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1573.5	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980.9	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1828.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1563.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1221.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
923.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
681.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
482.4											
358.8											
261.0											
196.4											
110.4											
50.0											
14.6											
6.9											
0.0											
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REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	52.1	51.4	51.4	50.7	50.0	49.3	48.6	47.9	47.2	46.5
0.0	5°	54.1	54.1	54.1	53.4	53.4	52.8	52.8	52.1	51.4	50.7
0.0	7.5°	56.2	56.9	56.9	57.6	57.6	57.6	57.6	56.9	56.9	56.9
0.0	10°	59.7	60.4	61.1	61.8	62.5	63.2	63.2	63.9	63.9	63.9
0.0	12.5°	63.9	65.9	67.3	69.4	70.8	72.9	74.3	76.3	77.7	79.1
0.0	15°	70.1	73.6	77.7	81.2	84.7	89.5	95.1	99.9	104.8	112.4
0.0	17.5°	79.1	90.2	101.3	111.7	122.9	147.1	171.4	195.0	219.3	254.7
0.0	20°	96.5	129.8	162.4	195.7	228.4	313.7	398.4	483.8	568.5	659.4
0.0	22.5°	135.3	217.2	299.1	381.1	463.0	641.3	819.0	997.4	1175.1	1384.0
0.0	25°	196.4	347.0	497.7	647.6	798.2	1077.2	1356.9	1636.0	1915.0	2186.4
0.0	27.5°	286.0	516.4	746.8	976.6	1207.0	1585.3	1964.3	2342.5	2720.8	3027.6
0.0	30°	396.3	708.7	1021.0	1333.3	1645.7	2076.0	2506.3	2936.0	3366.3	3701.5
0.0	32.5°	500.4	882.9	1265.3	1647.1	2029.5	2519.5	3010.2	3500.3	3990.3	4356.8
0.0	35°	568.5	1030.7	1493.7	1955.9	2418.2	2948.5	3478.7	4008.3	4538.6	4957.1
0.0	37.5°	636.5	1170.2	1703.3	2237.0	2770.1	3352.4	3934.8	4517.1	5099.4	5616.5
0.0	40°	712.8	1338.9	1964.3	2590.3	3215.7	3905.6	4594.8	5284.7	5974.0	6703.5
0.0	42.5°	845.4	1618.6	2392.5	3165.7	3938.9	4851.6	5764.4	6676.4	7589.1	8630.2
0.0	45°	1094.6	2184.3	3274.7	4364.4	5454.1	6663.2	7873.0	9082.1	10291.2	11676.6
0.0	47.5°	1704.7	3203.9	4702.4	6201.6	7700.2	9005.7	10310.6	11616.2	12921.1	14300.9
0.0	50°	2608.4	4353.3	6098.2	7842.4	9587.4	10768.7	11949.3	13130.7	14311.3	15623.8
0.0	52.5°	3262.2	5080.0	6898.5	8716.3	10534.1	11600.2	12667.0	13733.1	14799.2	16025.7
0.0	55°	3311.5	5118.9	6926.9	8734.3	10541.7	11612.7	12683.7	13754.6	14825.6	16125.6
0.0	57.5°	2931.8	4724.6	6516.7	8309.6	10101.7	11321.2	12540.0	13759.5	14978.3	16383.8
0.0	60°	2493.8	4287.4	6080.2	7873.7	9666.5	11071.3	12476.8	13881.7	15286.5	16603.2
0.0	62.5°	1945.5	3790.4	5636.0	7480.8	9325.7	10752.0	12178.4	13604.0	15030.4	16018.1
0.0	65°	1449.9	3241.4	5032.8	6823.5	8615.0	9757.4	10899.9	12041.6	13184.1	13795.6
0.0	67.5°	1048.1	2593.1	4137.4	5682.5	7226.8	8044.4	8862.1	9679.0	10496.6	10964.4
	70°	708.7	1778.9	2848.5	3918.8	4988.4	5660.2	6332.8	7004.7	7676.6	8308.2
	72.5°	490.7	1091.8	1693.6	2294.6	2895.7	3571.8	4247.1	4923.1	5598.5	6266.9
	75°	325.5	599.0	873.2	1146.6	1420.1	1920.5	2421.7	2922.1	3422.5	3820.9
	77.5°	231.1	313.0	395.6	477.5	559.4	653.1	747.5	841.2	934.9	1077.2
	80°	109.7	120.1	130.5	140.2	150.6	184.6	218.6	252.6	286.7	322.7
	82.5°	52.1	56.2	60.4	63.9	68.0	71.5	75.0	78.4	81.9	78.4
	85°	13.9	13.9	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.9
	87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.6	5.6	4.9
	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: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
40.3	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.2	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289.4	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
751.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1592.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2457.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3334.4	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4037.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4723.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5375.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6134.3	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7432.9	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9671.4	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13062.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15680.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16936.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17252.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17426.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17789.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17919.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17006.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14407.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11432.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8939.1											
6935.3											
4219.3											
1219.5											
358.8											
74.3											
13.2											
4.9											
0.0											
0.0											
0.0											
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REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	2.5°	45.1	44.4	43.7	43.0	42.3	41.0	41.0	40.3	40.3
0.0	5°	49.3	48.6	47.9	47.2	47.2	46.5	45.8	45.8	45.1
0.0	7.5°	56.2	55.5	54.8	54.1	54.1	53.4	53.4	52.8	52.8
0.0	10°	64.5	64.5	64.5	64.5	64.5	63.9	63.9	63.9	63.2
0.0	12.5°	81.2	81.9	83.3	84.7	86.8	86.8	86.8	86.1	86.1
0.0	15°	128.4	136.0	141.6	147.1	152.0	163.1	161.7	159.6	158.3
0.0	17.5°	324.8	359.5	378.3	396.3	415.1	466.4	458.1	449.8	442.1
0.0	20°	841.9	932.8	993.2	1053.6	1114.7	1211.2	1187.6	1164.0	1140.4
0.0	22.5°	1801.1	2010.1	2101.0	2191.9	2282.1	2398.8	2323.1	2247.4	2172.5
0.0	25°	2728.4	2999.8	3153.2	3306.6	3459.3	3525.9	3427.4	3328.1	3229.6
0.0	27.5°	3641.2	3947.9	4083.3	4217.9	4353.3	4492.8	4370.6	4247.8	4125.6
0.0	30°	4372.7	4708.0	4854.4	5000.2	5146.6	5243.8	5117.5	4990.5	4864.1
0.0	32.5°	5090.4	5456.9	5617.2	5777.5	5937.2	6076.7	5921.2	5765.1	5609.6
0.0	35°	5793.5	6212.0	6432.8	6653.5	6874.2	7004.0	6819.4	6634.0	6449.4
0.0	37.5°	6651.4	7168.5	7415.6	7662.7	7909.8	8146.5	7943.1	7739.0	7535.7
0.0	40°	8162.4	8891.9	9270.9	9650.5	10029.5	10334.9	10078.1	9821.3	9564.5
0.0	42.5°	10712.5	11753.6	12298.5	12842.6	13387.5	13864.3	13594.3	13324.3	13054.3
0.0	45°	14447.3	15832.7	16497.0	17160.5	17824.7	18173.2	17784.5	17395.1	17006.4
0.0	47.5°	17059.9	18439.7	19031.1	19622.4	20213.8	20611.5	20136.0	19660.6	19185.8
0.0	50°	18248.1	19560.7	20154.1	20746.8	21340.3	21656.1	21107.1	20557.4	20008.3
0.0	52.5°	18477.9	19704.3	20412.3	21120.9	21828.9	22250.9	21602.6	20953.7	20305.4
0.0	55°	18726.4	20026.4	20847.5	21669.3	22490.4	23074.8	22341.8	21608.2	20875.2
0.0	57.5°	19194.2	20599.7	21418.7	22237.0	23056.1	23552.3	22817.3	22081.6	21346.5
0.0	60°	19235.8	20551.8	21255.6	21960.1	22663.9	22976.2	22273.1	21569.3	20866.2
0.0	62.5°	17994.1	18981.8	19470.4	19959.1	20447.7	20787.1	20053.4	19319.1	18585.5
0.0	65°	15019.3	15630.8	16020.1	16409.5	16798.9	17203.5	16531.7	15859.8	15187.9
0.0	67.5°	11900.7	12368.6	12881.5	13394.4	13907.3	14339.8	13801.8	13263.2	12725.3
	70°	9570.7	10201.6	10778.4	11355.2	11932.0	12286.0	11746.0	11205.3	10665.3
	72.5°	7603.7	8272.1	8753.8	9234.8	9716.5	9803.2	9406.2	9009.2	8612.9
	75°	4617.0	5015.4	5025.2	5034.2	5043.9	5126.5	4797.5	4468.5	4140.2
	77.5°	1361.8	1504.1	1621.4	1738.0	1855.3	1996.9	1876.1	1754.6	1633.9
	80°	394.2	430.3	460.9	490.7	521.3	503.2	474.8	446.3	417.8
	82.5°	70.8	66.6	65.9	65.2	65.2	61.8	56.2	50.7	45.1
	85°	12.5	11.8	11.1	10.4	9.7	9.0	7.6	6.9	5.6
	87.5°	4.2	3.5	2.8	2.1	2.1	0.7	0.7	0.7	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0.0	0.0	2.5°	39.6	38.9	38.9	38.9	38.9	38.2	38.2	38.2	38.2
0.0	0.0	5°	43.7	43.7	43.0	43.0	42.3	42.3	41.6	41.6	41.0
0.0	0.0	7.5°	51.4	50.7	50.0	49.3	48.6	47.2	46.5	45.8	45.8
0.0	0.0	10°	61.8	60.4	59.7	58.3	57.6	56.2	54.8	53.4	52.1
0.0	0.0	12.5°	81.2	78.4	76.3	73.6	70.8	68.7	65.9	63.9	61.1
0.0	0.0	15°	140.9	134.0	126.3	117.3	107.6	98.6	88.8	83.3	77.0
0.0	0.0	17.5°	360.2	324.1	287.4	257.5	227.7	198.5	168.7	147.1	125.6
0.0	0.0	20°	916.9	816.9	717.0	618.4	519.2	420.6	321.4	271.4	221.4
0.0	0.0	22.5°	1725.5	1540.2	1354.2	1174.4	993.9	814.2	634.4	521.3	408.8
0.0	0.0	25°	2663.2	2430.0	2196.8	1901.1	1604.7	1309.0	1013.4	829.4	645.5
0.0	0.0	27.5°	3465.6	3196.9	2928.3	2568.8	2209.3	1849.7	1490.2	1216.0	942.6
0.0	0.0	30°	4160.3	3871.6	3582.9	3164.3	2745.8	2327.3	1908.7	1565.9	1223.0
0.0	0.0	32.5°	4762.8	4417.1	4071.5	3639.8	3208.1	2776.3	2344.6	1924.0	1503.4
0.0	0.0	35°	5457.6	5054.3	4650.4	4171.4	3691.8	3212.9	2734.0	2259.2	1783.8
0.0	0.0	37.5°	6340.4	5845.6	5350.0	4816.2	4282.5	3749.4	3215.7	2672.9	2130.1
0.0	0.0	40°	8030.5	7392.0	6753.4	6075.3	5396.5	4718.4	4040.3	3373.9	2707.6
0.0	0.0	42.5°	11058.8	10196.1	9333.3	8431.0	7528.0	6625.7	5722.7	4782.9	3842.4
0.0	0.0	45°	14476.5	13406.2	12335.2	11322.6	10309.2	9296.5	8283.9	6994.3	5704.7
0.0	0.0	47.5°	16398.4	15242.8	14087.1	13128.6	12170.1	11211.5	10253.0	8862.7	7472.5
0.0	0.0	50°	17105.7	15929.2	14752.7	13870.6	12987.7	12105.5	11222.6	9830.3	8437.3
0.0	0.0	52.5°	17256.3	16056.2	14856.2	13968.4	13080.7	12193.7	11305.9	9922.6	8539.3
0.0	0.0	55°	17565.9	16278.3	14990.1	13978.1	12966.2	11954.2	10942.2	9536.7	8131.2
0.0	0.0	57.5°	17970.5	16650.4	15330.2	14177.3	13024.5	11872.3	10719.4	9182.7	7646.0
0.0	0.0	60°	17864.3	16715.6	15566.2	14331.4	13096.0	11861.2	10625.7	8935.6	7244.8
0.0	0.0	62.5°	16020.8	15106.0	14190.5	13175.1	12158.9	11143.5	10128.1	8388.0	6647.9
0.0	0.0	65°	13179.9	12512.2	11844.5	11027.6	10210.0	9393.0	8576.1	7015.8	5456.2
0.0	0.0	67.5°	10681.9	9929.6	9176.5	8525.4	7873.7	7222.6	6570.9	5343.1	4115.2
		70°	8486.6	7668.2	6849.2	6213.4	5577.0	4941.2	4305.4	3489.2	2673.6
		72.5°	6739.5	6001.7	5263.9	4585.8	3907.0	3228.9	2550.1	2067.7	1585.3
		75°	3221.2	2926.3	2631.3	2276.6	1921.9	1567.2	1212.6	1002.3	792.6
		77.5°	1193.8	1034.9	875.2	730.9	586.5	442.8	298.5	273.5	248.5
		80°	308.9	269.3	229.0	200.6	171.4	143.0	114.5	103.4	93.0
		82.5°	35.4	32.6	30.5	29.2	27.1	25.7	23.6	21.5	19.4
		85°	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1049329

CATALOG NUMBER: GALN-SA4A-930-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	40.3	40.3
0.0	0.0	2.5°	37.5	36.8
0.0	0.0	5°	39.6	38.9
0.0	0.0	7.5°	43.7	42.3
0.0	0.0	10°	47.9	46.5
0.0	0.0	12.5°	54.1	52.1
0.0	0.0	15°	61.1	56.9
0.0	0.0	17.5°	72.9	63.9
0.0	0.0	20°	98.6	75.7
0.0	0.0	22.5°	138.8	94.4
0.0	0.0	25°	204.1	130.5
0.0	0.0	27.5°	283.9	173.5
0.0	0.0	30°	377.6	217.2
0.0	0.0	32.5°	460.2	258.9
0.0	0.0	35°	567.8	301.2
0.0	0.0	37.5°	700.3	355.4
0.0	0.0	40°	905.8	437.3
0.0	0.0	42.5°	1275.7	588.6
0.0	0.0	45°	2071.8	1017.5
0.0	0.0	47.5°	3187.9	1683.2
0.0	0.0	50°	3900.1	2148.2
0.0	0.0	52.5°	3958.4	2144.7
0.0	0.0	55°	3613.4	1906.6
0.0	0.0	57.5°	3083.1	1593.6
0.0	0.0	60°	2562.6	1260.5
0.0	0.0	62.5°	2019.1	870.4
0.0	0.0	65°	1475.6	615.7
0.0	0.0	67.5°	1059.9	460.2
		70°	696.9	352.6
		72.5°	453.9	287.4
		75°	305.4	238.1
		77.5°	178.4	158.3
		80°	63.2	55.5
		82.5°	11.8	8.3
		85°	0.0	0.0
		87.5°	0.0	0.0
		90°	0.0	0.0
		92.5°	0.0	0.0
		95°	0.0	0.0
		97.5°	0.0	0.0
		100°	0.0	0.0
		102.5°	0.0	0.0
		105°	0.0	0.0
		107.5°	0.0	0.0
		110°	0.0	0.0



REPORT NUMBER: P1049329

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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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

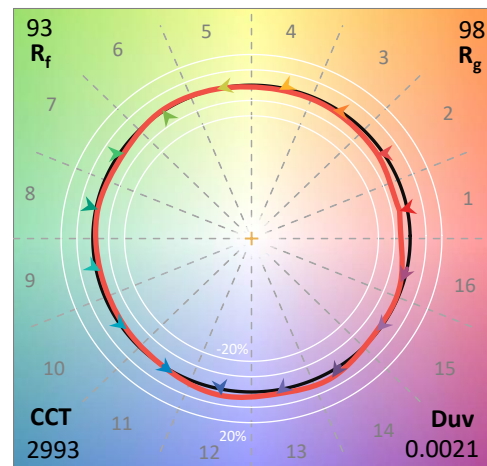
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

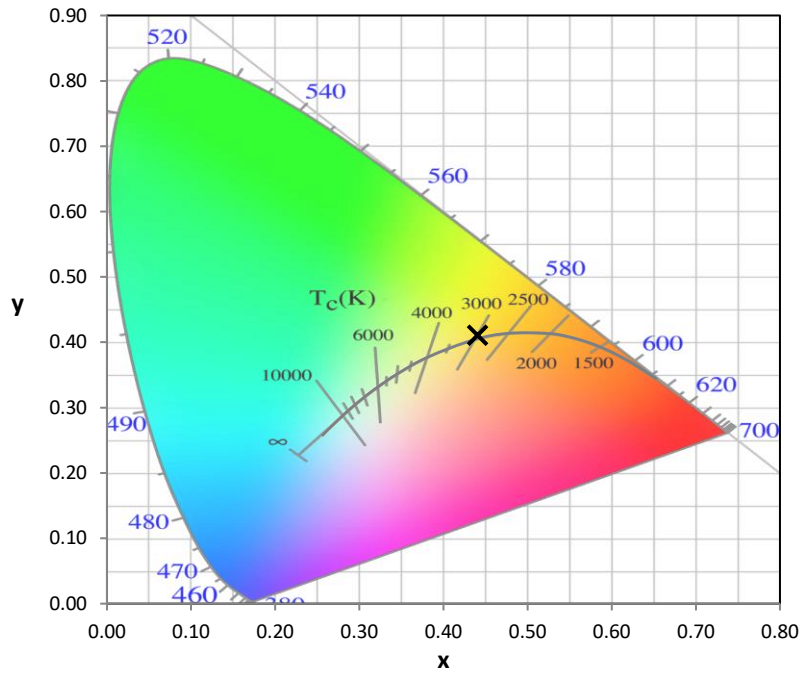
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

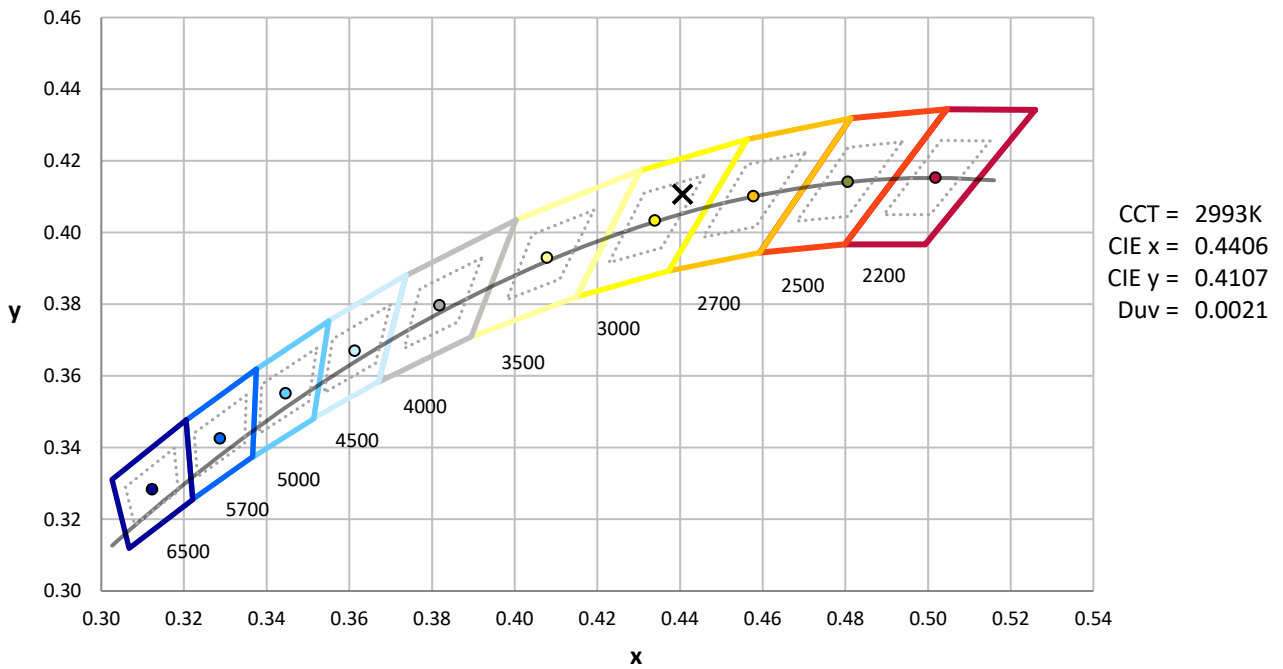
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



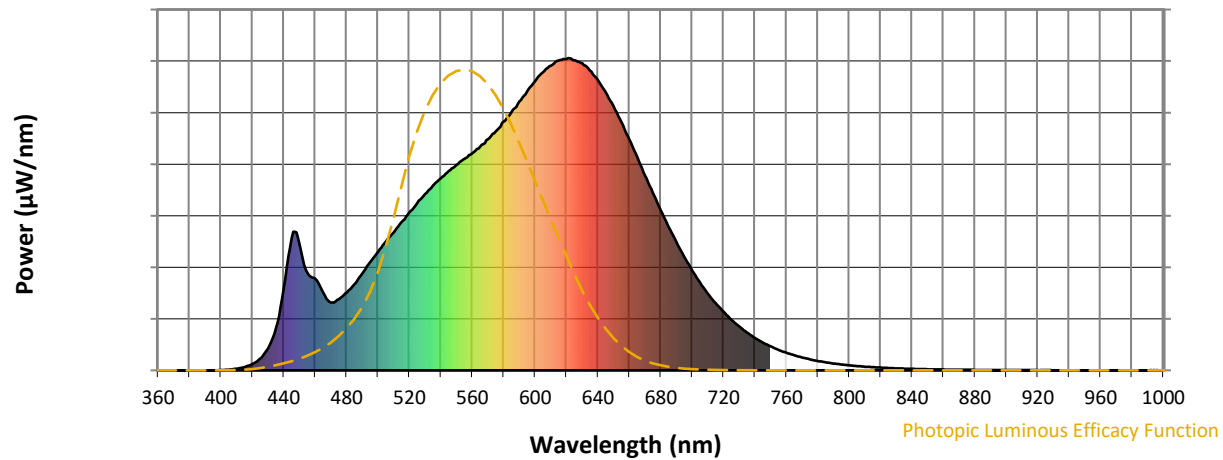
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

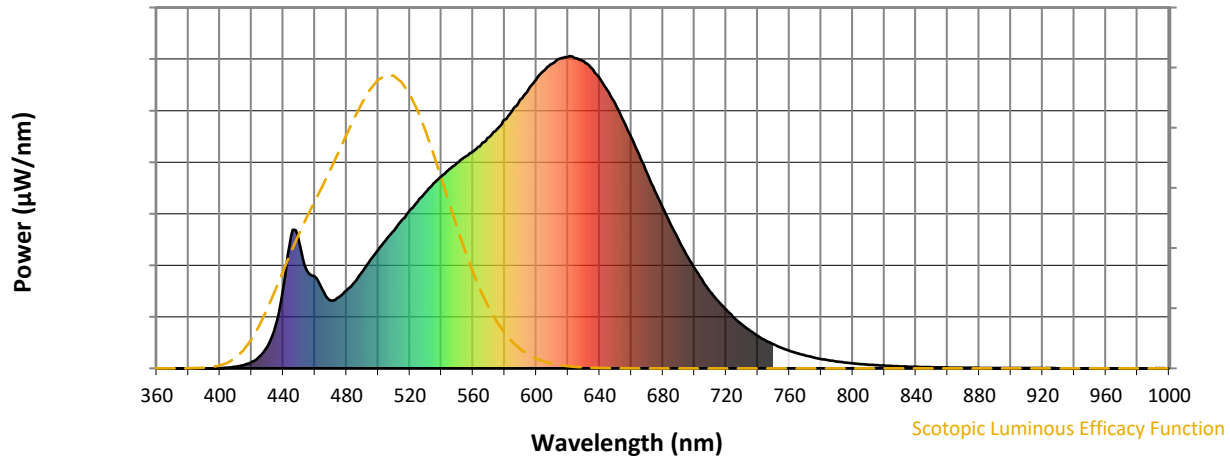


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



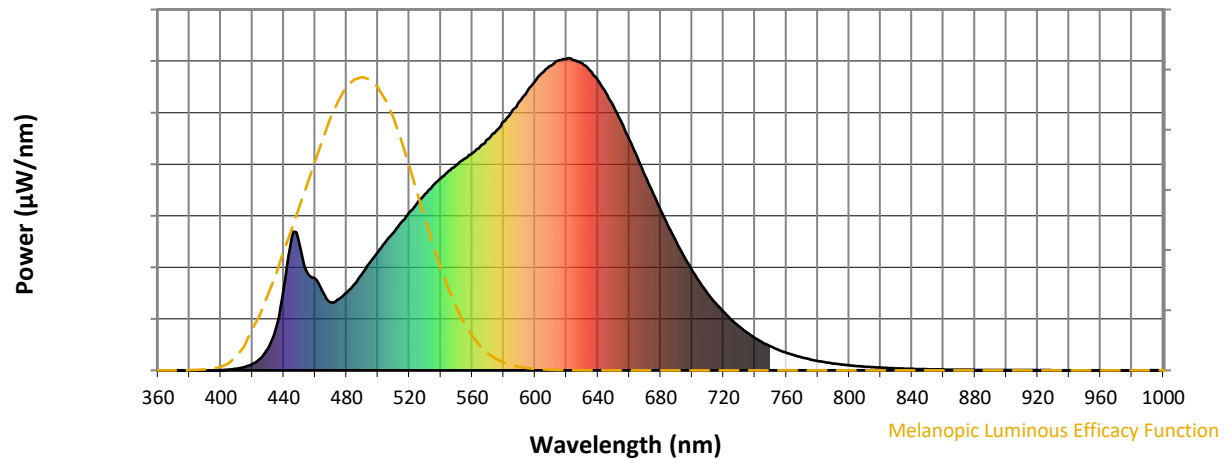
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

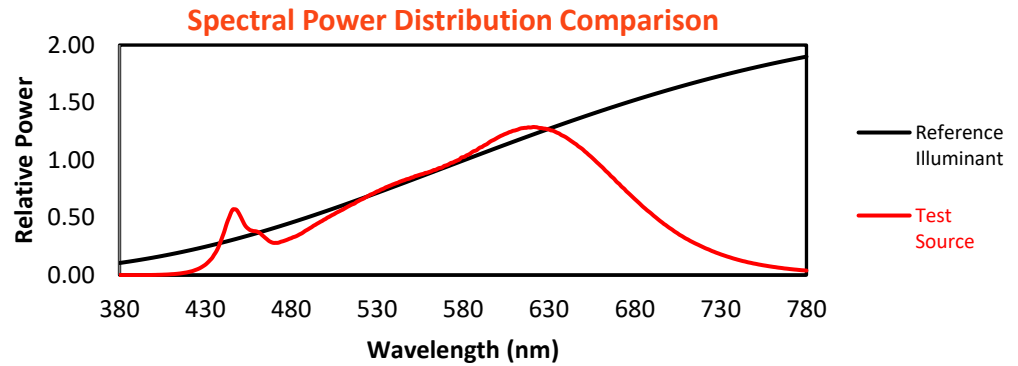
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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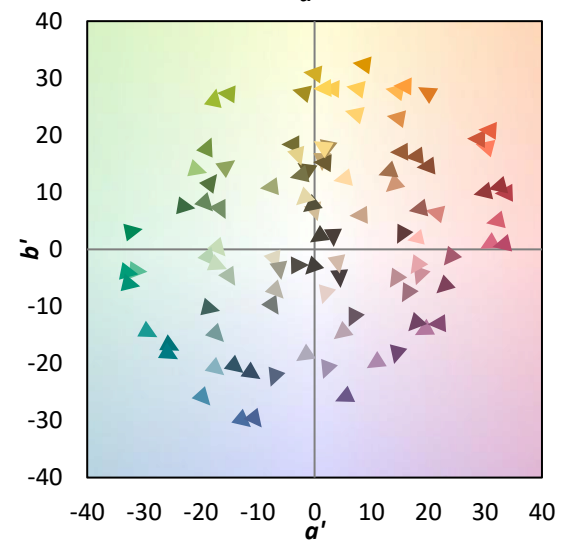
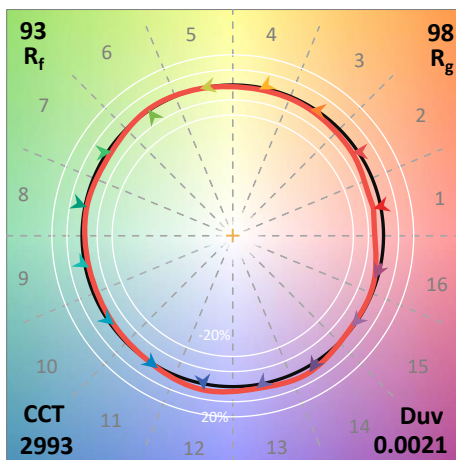
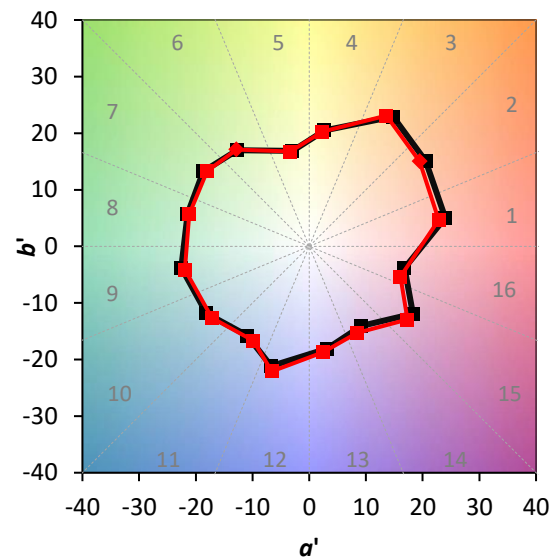
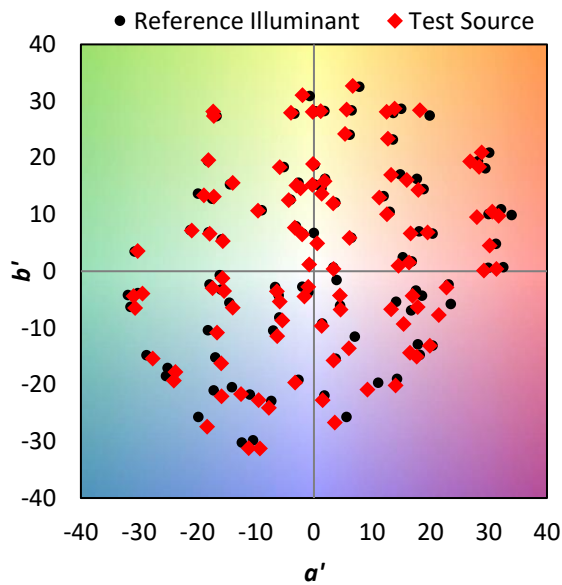
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

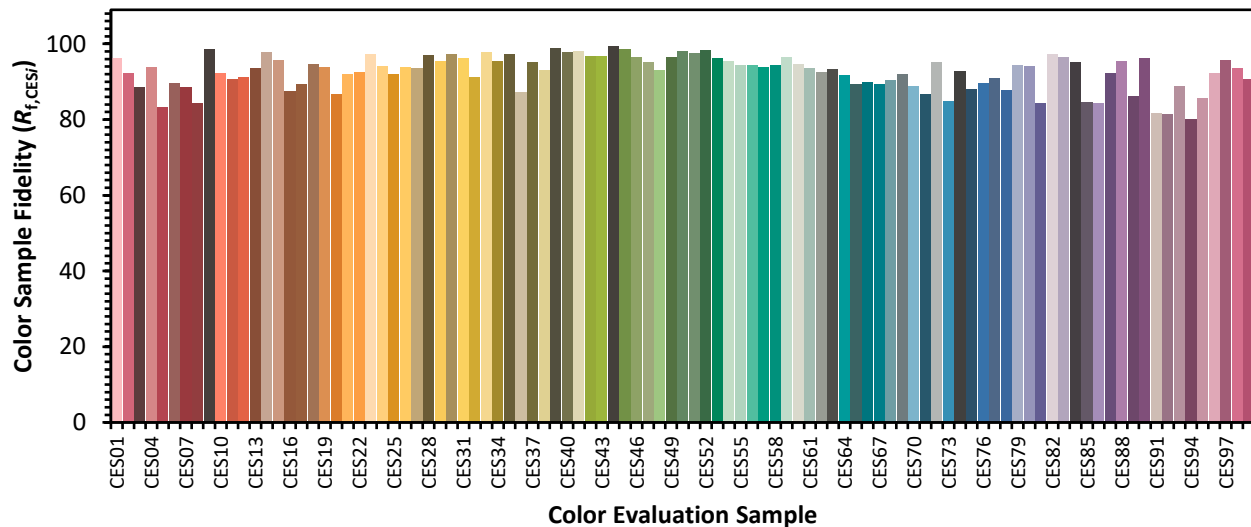


Color Vector Graphics

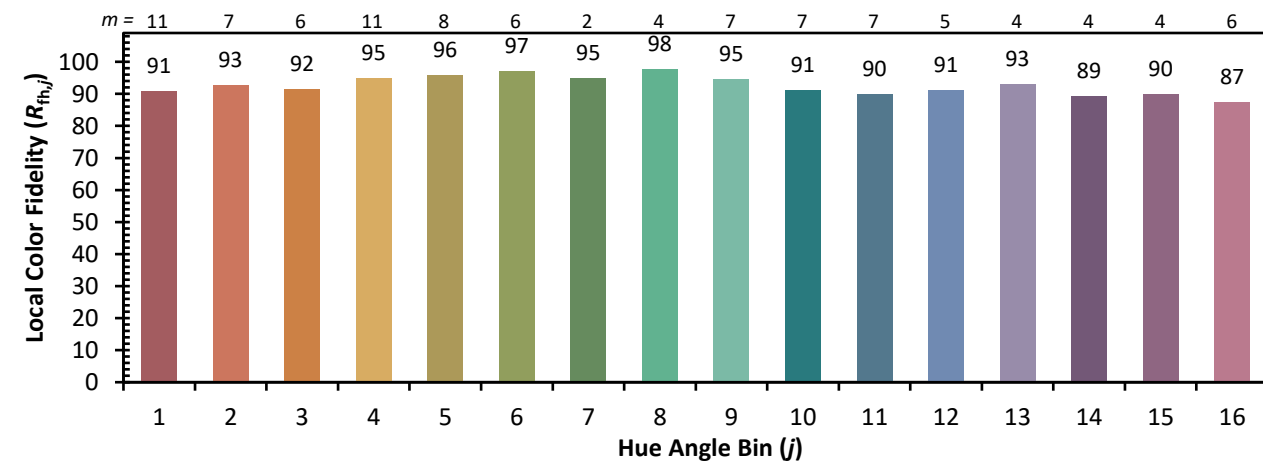
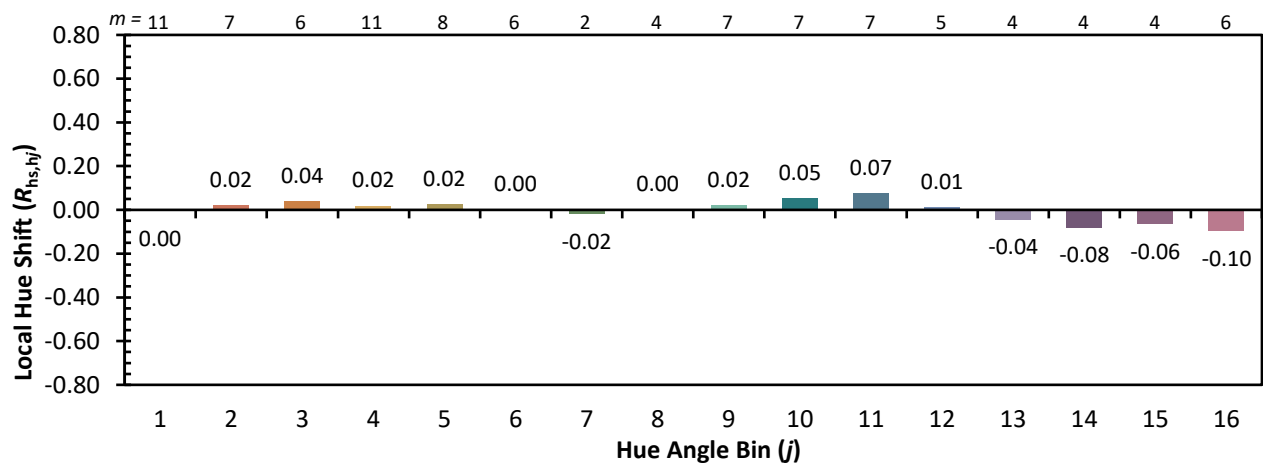
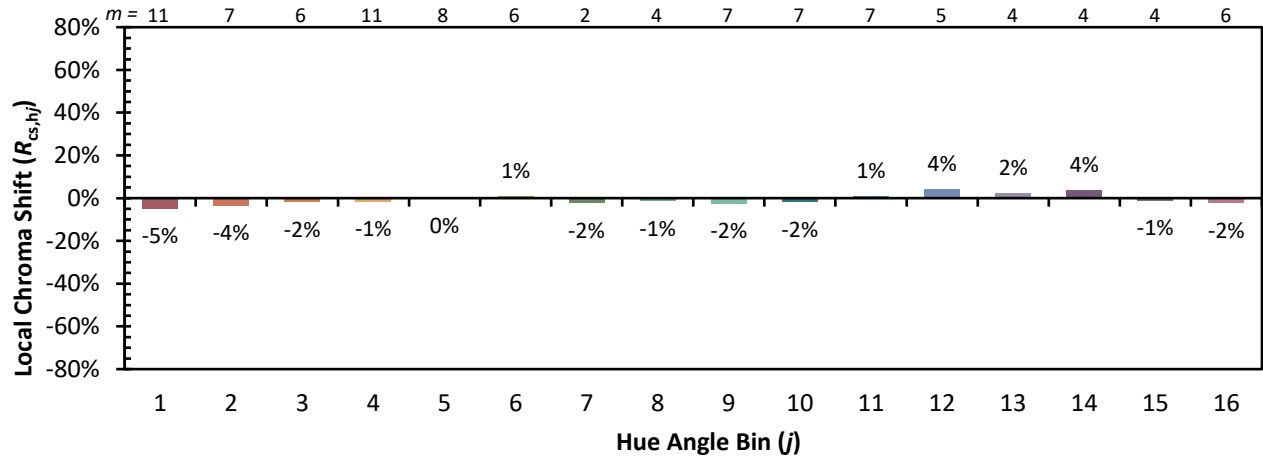


Individual Sample Fidelity Index ($R_{f,i}$)

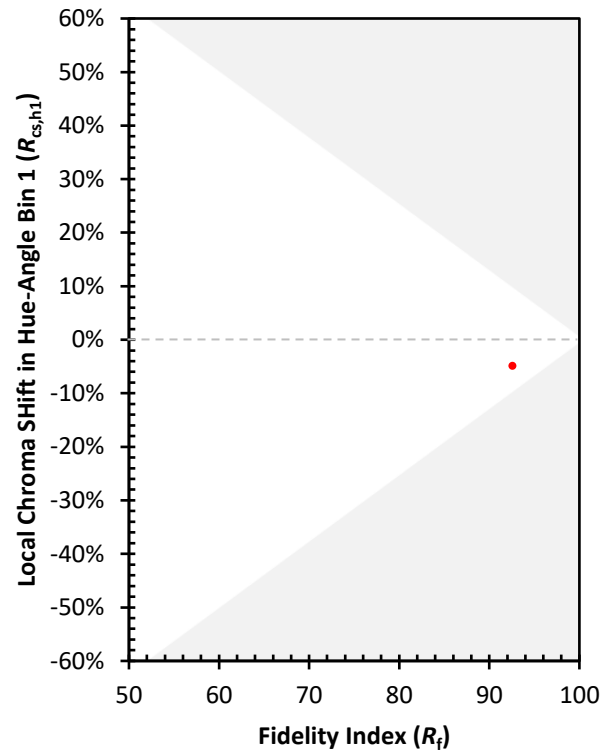
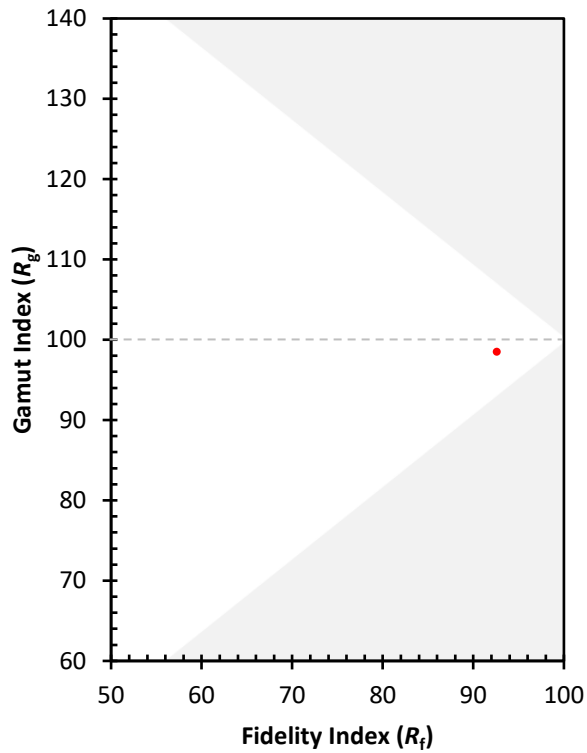
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)