

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: P1049439

Luminaire Tested: **GALN-SA4C-950-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049439
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-950-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16216.6 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

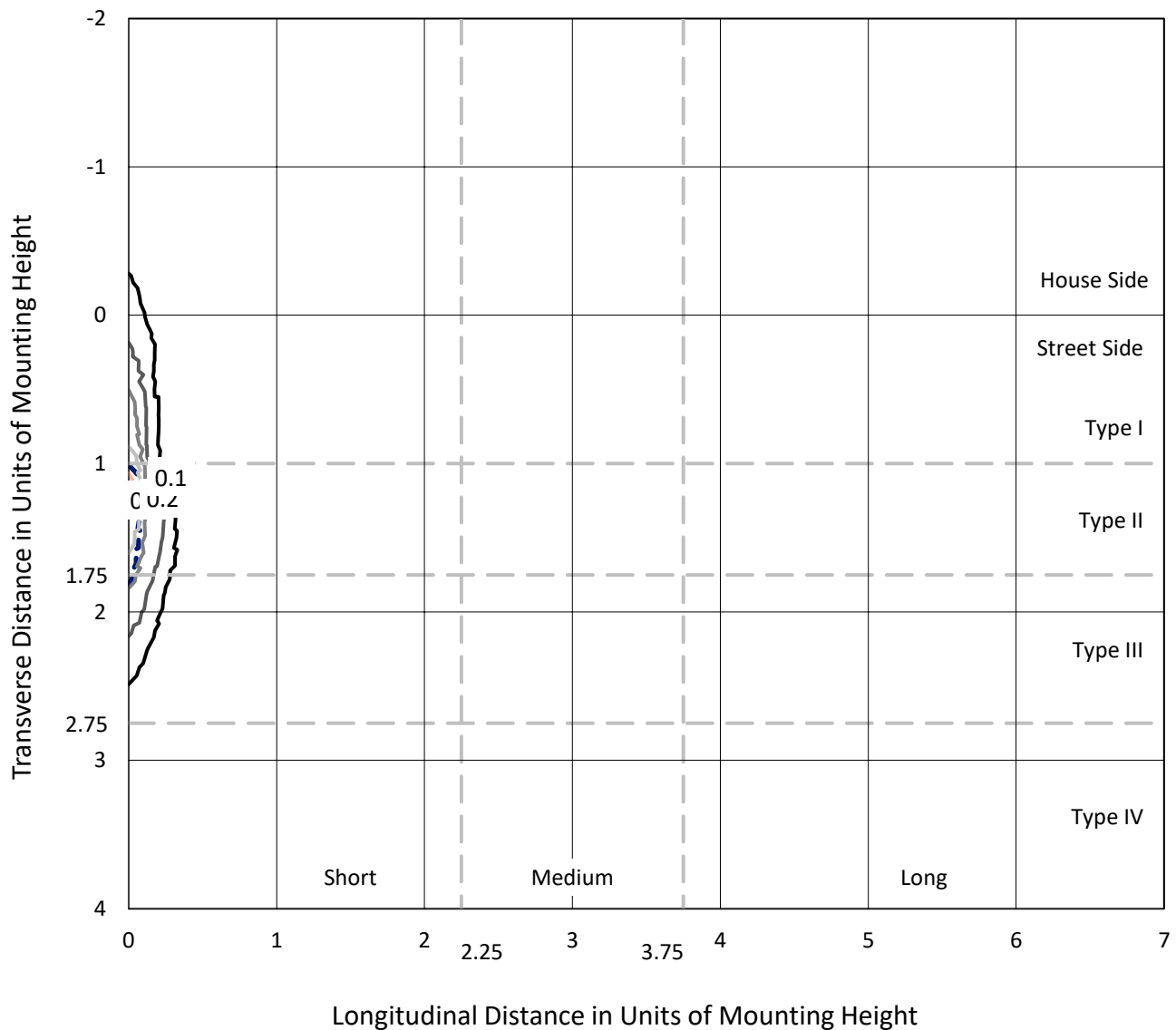
Input Watts (W): 190.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

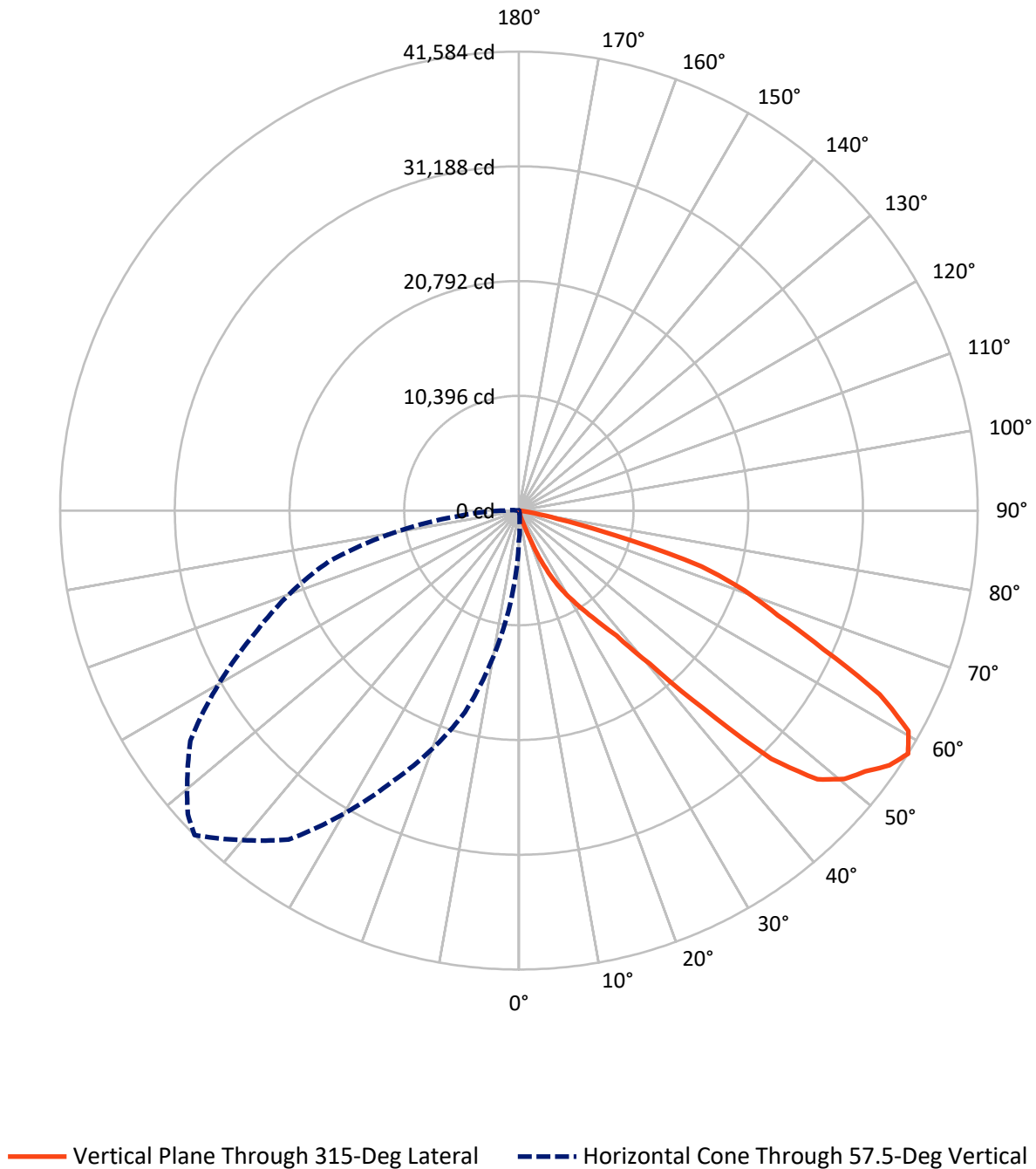
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 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	81.2	0.0	81.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	16135.4	0.0	16135.4
	% Fixture	99.5	0.0	99.5
Total	Lumens	16216.6	0.0	16216.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.0
10°-20°	35.6	0.2
20°-30°	384.3	2.4
30°-40°	1136.5	7.0
40°-50°	3387.0	20.9
50°-60°	5370.6	33.1
60°-70°	4483.1	27.6
70°-80°	1382.4	8.5
80°-90°	30.7	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°	16216.6	100.0
0°-180°	16216.6	100.0



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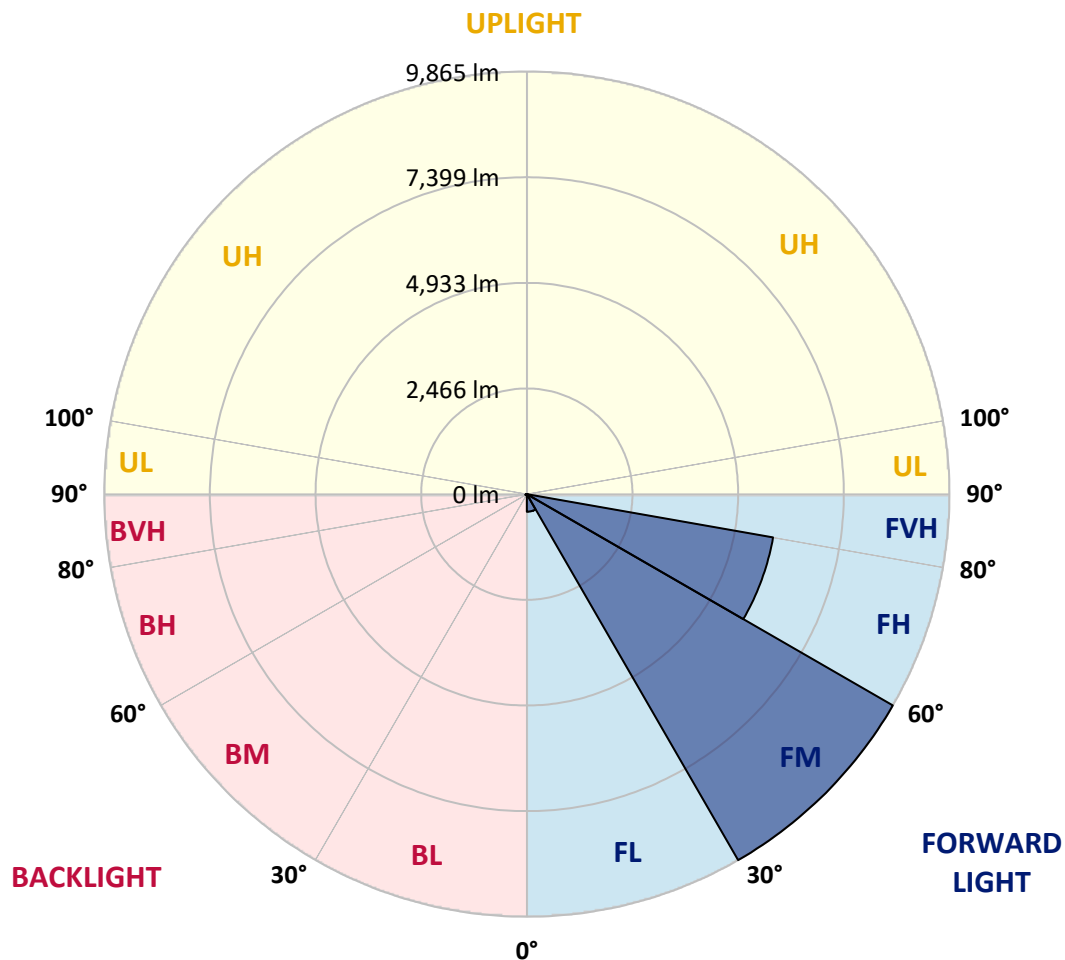
CATALOG NUMBER: GALN-SA4C-950-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.4	2.5			
FM	(30°-60°)	9865.0	60.8			
FH	(60°-80°)	5835.3	36.0			G3/7500
FVH	(80°-90°)	23.8	0.1			G1/100
BL	(0°-30°)	14.9	0.1	B0/110		
BM	(30°-60°)	29.0	0.2	B0/220		
BH	(60°-80°)	30.3	0.2	B0/110		G0/110
BVH	(80°-90°)	7.0	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-G3

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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2.5°	65.0	65.0	65.0	65.0	63.7	63.7	62.5	62.5	61.3	61.3
5°	68.6	68.6	67.4	66.2	66.2	65.0	63.7	62.5	62.5	61.3
7.5°	74.8	73.5	72.3	71.1	68.6	67.4	65.0	63.7	62.5	60.0
10°	82.1	79.7	77.2	74.8	72.3	69.9	67.4	66.2	63.7	62.5
12.5°	91.9	88.2	83.3	79.7	77.2	73.5	71.1	68.6	65.0	62.5
15°	100.5	95.6	89.5	84.6	80.9	76.0	72.3	68.6	66.2	62.5
17.5°	112.7	104.2	94.4	88.2	83.3	77.2	71.1	67.4	63.7	58.8
20°	133.6	116.4	98.0	90.7	83.3	76.0	68.6	63.7	60.0	55.1
22.5°	166.7	137.3	107.8	96.8	87.0	76.0	66.2	61.3	56.4	51.5
25°	230.4	177.7	125.0	110.3	95.6	80.9	66.2	60.0	55.1	49.0
27.5°	306.4	227.9	148.3	127.4	107.8	87.0	66.2	58.8	52.7	45.3
30°	383.6	279.4	174.0	147.1	120.1	93.1	66.2	57.6	50.2	41.7
32.5°	457.1	327.2	196.1	164.2	132.4	99.3	67.4	57.6	47.8	38.0
35°	531.9	366.4	199.8	166.7	133.6	99.3	66.2	55.1	45.3	34.3
37.5°	627.4	410.5	192.4	159.3	127.4	94.4	62.5	52.7	42.9	31.9
40°	772.1	484.1	196.1	161.8	127.4	93.1	58.8	49.0	40.4	30.6
42.5°	1039.2	626.2	212.0	172.8	133.6	93.1	53.9	45.3	38.0	29.4
45°	1796.5	1040.4	284.3	225.5	166.7	107.8	49.0	41.7	35.5	28.2
47.5°	2971.8	1741.4	511.0	394.6	279.4	163.0	47.8	41.7	35.5	28.2
50°	3792.9	2218.1	643.4	495.1	346.8	198.5	50.2	42.9	36.8	29.4
52.5°	3786.7	2252.4	716.9	550.2	384.8	218.1	52.7	45.3	39.2	31.9
55°	3366.4	2049.0	730.4	561.3	393.4	224.3	56.4	49.0	41.7	34.3
57.5°	2813.7	1740.2	666.7	515.9	366.4	215.7	65.0	56.4	49.0	40.4
60°	2225.5	1372.5	519.6	410.5	302.7	193.6	85.8	74.8	65.0	53.9
62.5°	1536.7	995.1	453.4	364.0	275.7	186.3	98.0	87.0	77.2	66.2
65°	1087.0	748.8	409.3	333.3	258.6	182.6	106.6	94.4	83.3	71.1
67.5°	812.5	595.6	377.4	312.5	247.5	182.6	117.6	102.9	89.5	74.8
70°	622.5	489.0	354.2	301.5	250.0	197.3	144.6	123.8	104.2	83.3
72.5°	507.3	417.9	327.2	289.2	251.2	213.2	175.2	148.3	121.3	93.1
75°	420.3	357.8	295.3	263.5	232.8	201.0	169.1	144.6	121.3	96.8
77.5°	279.4	254.9	229.2	210.8	192.4	172.8	154.4	133.6	114.0	93.1
80°	98.0	94.4	90.7	98.0	105.4	112.7	120.1	105.4	91.9	77.2
82.5°	14.7	13.5	12.3	13.5	14.7	15.9	17.2	18.4	19.6	20.8
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



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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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	60.0	60.0	58.8	58.8	58.8	57.6	57.6	56.4	56.4	56.4
0.0	5°	58.8	58.8	57.6	56.4	55.1	55.1	53.9	52.7	52.7	51.5
0.0	7.5°	57.6	56.4	55.1	53.9	52.7	51.5	50.2	49.0	49.0	47.8
0.0	10°	58.8	56.4	55.1	52.7	51.5	50.2	47.8	46.6	45.3	45.3
0.0	12.5°	56.4	55.1	52.7	50.2	49.0	46.6	45.3	42.9	41.7	41.7
0.0	15°	56.4	53.9	50.2	47.8	45.3	44.1	41.7	39.2	38.0	36.8
0.0	17.5°	52.7	50.2	46.6	44.1	41.7	39.2	36.8	34.3	33.1	31.9
0.0	20°	47.8	45.3	41.7	38.0	35.5	33.1	30.6	28.2	27.0	25.7
0.0	22.5°	42.9	40.4	36.8	33.1	30.6	28.2	24.5	22.1	20.8	18.4
0.0	25°	40.4	36.8	33.1	29.4	25.7	23.3	19.6	15.9	13.5	11.0
0.0	27.5°	34.3	30.6	27.0	23.3	19.6	15.9	12.3	8.6	6.1	4.9
0.0	30°	29.4	25.7	22.1	18.4	13.5	9.8	6.1	1.2	1.2	1.2
0.0	32.5°	24.5	20.8	15.9	12.3	9.8	6.1	3.7	0.0	0.0	0.0
0.0	35°	19.6	15.9	11.0	7.4	6.1	3.7	2.5	0.0	0.0	0.0
0.0	37.5°	17.2	13.5	8.6	3.7	2.5	2.5	1.2	0.0	0.0	0.0
0.0	40°	15.9	11.0	6.1	1.2	1.2	1.2	0.0	0.0	0.0	0.0
0.0	42.5°	15.9	11.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	15.9	11.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	15.9	11.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	17.2	12.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	19.6	14.7	9.8	4.9	3.7	2.5	1.2	0.0	0.0	0.0
0.0	55°	24.5	22.1	18.4	15.9	12.3	8.6	3.7	0.0	0.0	0.0
0.0	57.5°	31.9	31.9	30.6	29.4	22.1	14.7	7.4	0.0	0.0	0.0
0.0	60°	42.9	42.9	42.9	42.9	31.9	22.1	11.0	0.0	0.0	0.0
0.0	62.5°	52.7	50.2	46.6	44.1	33.1	22.1	11.0	0.0	0.0	0.0
0.0	65°	52.7	47.8	41.7	35.5	27.0	18.4	8.6	0.0	0.0	0.0
0.0	67.5°	49.0	39.2	28.2	18.4	13.5	9.8	4.9	0.0	0.0	0.0
	70°	49.0	34.3	19.6	4.9	3.7	2.5	1.2	0.0	0.0	0.0
	72.5°	49.0	33.1	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	53.9	36.8	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	53.9	36.8	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	47.8	31.9	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	15.9	11.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	55.1	55.1	55.1	53.9	53.9	53.9	53.9	52.7	52.7	52.7
0.0	5°	50.2	50.2	49.0	49.0	47.8	47.8	46.6	46.6	45.3	45.3
0.0	7.5°	46.6	45.3	45.3	44.1	42.9	42.9	41.7	41.7	40.4	39.2
0.0	10°	42.9	41.7	41.7	40.4	39.2	38.0	38.0	36.8	35.5	34.3
0.0	12.5°	39.2	38.0	36.8	35.5	34.3	33.1	33.1	31.9	30.6	29.4
0.0	15°	34.3	33.1	31.9	30.6	29.4	28.2	28.2	27.0	25.7	24.5
0.0	17.5°	29.4	28.2	28.2	27.0	25.7	24.5	23.3	20.8	19.6	18.4
0.0	20°	22.1	20.8	19.6	18.4	17.2	14.7	13.5	11.0	8.6	7.4
0.0	22.5°	14.7	12.3	11.0	8.6	6.1	4.9	3.7	1.2	0.0	0.0
0.0	25°	4.9	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	51.5	51.5	51.5	50.2	50.2	50.2	50.2	50.2	50.2	50.2
0.0	5°	44.1	44.1	44.1	42.9	42.9	41.7	41.7	41.7	40.4	40.4
0.0	7.5°	38.0	36.8	36.8	35.5	35.5	34.3	34.3	34.3	33.1	33.1
0.0	10°	31.9	30.6	30.6	29.4	29.4	28.2	28.2	27.0	27.0	25.7
0.0	12.5°	28.2	27.0	25.7	24.5	24.5	23.3	22.1	22.1	20.8	19.6
0.0	15°	22.1	20.8	19.6	18.4	17.2	15.9	14.7	14.7	13.5	12.3
0.0	17.5°	14.7	12.3	11.0	9.8	9.8	8.6	7.4	6.1	4.9	3.7
0.0	20°	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CATALOG NUMBER: GALN-SA4C-950-U-RBC

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	50.2	49.0	49.0	49.0	50.2	50.2	50.2	50.2	50.2	50.2
0.0	5°	40.4	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
0.0	7.5°	33.1	31.9	31.9	31.9	31.9	30.6	30.6	30.6	30.6	30.6
0.0	10°	25.7	24.5	24.5	24.5	24.5	23.3	23.3	23.3	23.3	23.3
0.0	12.5°	18.4	18.4	17.2	17.2	17.2	15.9	15.9	15.9	15.9	14.7
0.0	15°	11.0	9.8	8.6	8.6	8.6	7.4	7.4	7.4	7.4	6.1
0.0	17.5°	2.5	2.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	51.5	51.5	52.7	52.7	53.9	56.4	57.6	58.8	61.3	63.7
0.0	5°	40.4	41.7	41.7	42.9	44.1	45.3	46.6	47.8	50.2	52.7
0.0	7.5°	31.9	31.9	33.1	33.1	34.3	36.8	38.0	39.2	41.7	45.3
0.0	10°	24.5	24.5	25.7	25.7	27.0	29.4	30.6	31.9	34.3	38.0
0.0	12.5°	15.9	17.2	17.2	18.4	19.6	22.1	23.3	24.5	27.0	29.4
0.0	15°	7.4	8.6	8.6	9.8	11.0	13.5	14.7	15.9	18.4	22.1
0.0	17.5°	1.2	1.2	2.5	2.5	3.7	4.9	6.1	7.4	11.0	13.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	67.4	69.9	72.3	74.8	77.2	79.7	80.9	83.3	84.6	85.8
0.0	5°	57.6	60.0	63.7	66.2	68.6	71.1	73.5	74.8	76.0	77.2
0.0	7.5°	50.2	52.7	56.4	58.8	61.3	63.7	66.2	68.6	69.9	71.1
0.0	10°	42.9	46.6	49.0	52.7	55.1	57.6	60.0	62.5	65.0	66.2
0.0	12.5°	34.3	38.0	41.7	44.1	47.8	51.5	53.9	56.4	58.8	61.3
0.0	15°	27.0	30.6	34.3	36.8	40.4	44.1	47.8	50.2	52.7	55.1
0.0	17.5°	19.6	23.3	27.0	29.4	33.1	36.8	39.2	42.9	45.3	47.8
0.0	20°	9.8	13.5	17.2	20.8	24.5	28.2	30.6	34.3	36.8	39.2
0.0	22.5°	1.2	4.9	8.6	11.0	14.7	18.4	20.8	24.5	27.0	29.4
0.0	25°	0.0	1.2	3.7	4.9	6.1	8.6	11.0	13.5	15.9	18.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.5	4.9	7.4	9.8
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
	85°	0.0	0.0	0.0	0.0	0.0	2.5	3.7	6.1	7.4	8.6
	87.5°	0.0	1.2	2.5	3.7	4.9	7.4	9.8	12.3	13.5	14.7
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
71.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.6	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31.9	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.1	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.3	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.7	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											
0.0											
0.0											
1.2											
4.9											
11.0											
15.9											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	87.0	87.0	87.0	87.0	85.8	85.8	85.8	84.6	84.6	83.3
0.0	5°	79.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	79.7	79.7
0.0	7.5°	73.5	74.8	76.0	76.0	77.2	77.2	77.2	76.0	76.0	74.8
0.0	10°	69.9	71.1	71.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3
0.0	12.5°	65.0	66.2	67.4	67.4	68.6	68.6	68.6	68.6	67.4	67.4
0.0	15°	58.8	61.3	62.5	63.7	63.7	65.0	65.0	65.0	65.0	65.0
0.0	17.5°	53.9	56.4	57.6	58.8	58.8	60.0	60.0	61.3	61.3	61.3
0.0	20°	44.1	46.6	47.8	50.2	51.5	52.7	53.9	55.1	55.1	56.4
0.0	22.5°	34.3	36.8	38.0	40.4	41.7	42.9	44.1	45.3	46.6	47.8
0.0	25°	24.5	27.0	28.2	30.6	31.9	33.1	34.3	35.5	35.5	36.8
0.0	27.5°	13.5	15.9	18.4	19.6	22.1	23.3	24.5	25.7	27.0	28.2
0.0	30°	6.1	7.4	8.6	11.0	12.3	13.5	14.7	17.2	18.4	19.6
0.0	32.5°	0.0	0.0	1.2	3.7	4.9	6.1	7.4	8.6	8.6	9.8
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	4.9
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	82.5°	6.1	7.4	8.6	8.6	9.8	9.8	9.8	9.8	8.6	8.6
	85°	12.3	13.5	14.7	14.7	15.9	15.9	15.9	15.9	15.9	15.9
	87.5°	17.2	18.4	19.6	19.6	20.8	20.8	20.8	20.8	20.8	20.8
	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: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	82.1	82.1	80.9	80.9	80.9	80.9	80.9	82.1	83.3	83.3
0.0	5°	78.4	78.4	77.2	77.2	77.2	78.4	78.4	79.7	80.9	82.1
0.0	7.5°	74.8	73.5	73.5	74.8	74.8	76.0	76.0	77.2	78.4	79.7
0.0	10°	72.3	71.1	71.1	71.1	72.3	72.3	73.5	74.8	76.0	77.2
0.0	12.5°	67.4	67.4	67.4	67.4	68.6	68.6	69.9	71.1	73.5	74.8
0.0	15°	65.0	63.7	63.7	63.7	63.7	65.0	65.0	67.4	69.9	71.1
0.0	17.5°	60.0	60.0	58.8	58.8	60.0	60.0	61.3	63.7	66.2	67.4
0.0	20°	55.1	53.9	52.7	52.7	53.9	53.9	55.1	57.6	60.0	61.3
0.0	22.5°	47.8	46.6	46.6	46.6	46.6	47.8	47.8	50.2	53.9	56.4
0.0	25°	38.0	39.2	39.2	40.4	40.4	41.7	42.9	45.3	49.0	51.5
0.0	27.5°	29.4	30.6	30.6	33.1	34.3	35.5	36.8	40.4	44.1	46.6
0.0	30°	22.1	23.3	24.5	25.7	28.2	30.6	33.1	36.8	40.4	42.9
0.0	32.5°	13.5	15.9	17.2	19.6	22.1	24.5	27.0	30.6	35.5	39.2
0.0	35°	9.8	11.0	13.5	14.7	17.2	19.6	22.1	27.0	30.6	35.5
0.0	37.5°	4.9	7.4	9.8	12.3	14.7	17.2	19.6	24.5	29.4	33.1
0.0	40°	3.7	6.1	7.4	9.8	13.5	15.9	18.4	23.3	28.2	33.1
0.0	42.5°	2.5	3.7	4.9	8.6	11.0	14.7	18.4	23.3	28.2	33.1
0.0	45°	2.5	2.5	3.7	7.4	11.0	15.9	19.6	24.5	28.2	33.1
0.0	47.5°	2.5	3.7	4.9	9.8	12.3	15.9	19.6	23.3	28.2	31.9
0.0	50°	3.7	4.9	6.1	11.0	13.5	17.2	19.6	24.5	28.2	33.1
0.0	52.5°	2.5	3.7	4.9	9.8	13.5	18.4	22.1	27.0	31.9	35.5
0.0	55°	1.2	1.2	1.2	7.4	14.7	20.8	28.2	31.9	36.8	40.4
0.0	57.5°	0.0	0.0	0.0	4.9	14.7	23.3	31.9	36.8	41.7	45.3
0.0	60°	0.0	0.0	0.0	4.9	14.7	23.3	31.9	38.0	44.1	50.2
0.0	62.5°	0.0	0.0	0.0	4.9	12.3	19.6	27.0	36.8	47.8	57.6
0.0	65°	0.0	0.0	0.0	3.7	9.8	15.9	22.1	36.8	51.5	65.0
0.0	67.5°	0.0	0.0	0.0	3.7	9.8	14.7	20.8	36.8	51.5	67.4
	70°	0.0	0.0	0.0	3.7	9.8	15.9	22.1	36.8	51.5	66.2
	72.5°	0.0	0.0	0.0	3.7	11.0	17.2	24.5	36.8	49.0	61.3
	75°	0.0	0.0	0.0	4.9	11.0	18.4	25.7	36.8	47.8	57.6
	77.5°	0.0	0.0	0.0	3.7	11.0	17.2	24.5	35.5	46.6	56.4
	80°	3.7	2.5	2.5	6.1	11.0	15.9	20.8	31.9	44.1	55.1
	82.5°	7.4	7.4	6.1	8.6	11.0	14.7	18.4	28.2	39.2	49.0
	85°	14.7	14.7	13.5	14.7	14.7	15.9	17.2	22.1	27.0	31.9
	87.5°	19.6	19.6	18.4	18.4	18.4	17.2	17.2	17.2	17.2	15.9
	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: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
71.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.6	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.3	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.9	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.8	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53.9	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.5	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.8	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.4	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.9											
73.5											
68.6											
67.4											
66.2											
58.8											
36.8											
15.9											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	85.8	87.0	87.0	88.2	89.5	90.7	90.7	91.9	91.9	91.9
0.0	5°	84.6	87.0	88.2	89.5	90.7	91.9	93.1	94.4	95.6	95.6
0.0	7.5°	83.3	84.6	87.0	88.2	90.7	91.9	94.4	95.6	96.8	98.0
0.0	10°	80.9	83.3	85.8	88.2	90.7	93.1	95.6	98.0	100.5	101.7
0.0	12.5°	78.4	82.1	84.6	87.0	90.7	94.4	96.8	100.5	102.9	105.4
0.0	15°	77.2	79.7	83.3	85.8	90.7	95.6	99.3	104.2	109.1	112.7
0.0	17.5°	73.5	78.4	82.1	85.8	90.7	96.8	101.7	106.6	114.0	121.3
0.0	20°	68.6	72.3	77.2	80.9	88.2	94.4	101.7	107.8	118.9	129.9
0.0	22.5°	63.7	68.6	72.3	77.2	85.8	93.1	101.7	109.1	127.4	144.6
0.0	25°	58.8	65.0	69.9	74.8	84.6	94.4	104.2	114.0	144.6	175.2
0.0	27.5°	56.4	61.3	67.4	72.3	84.6	98.0	110.3	122.5	171.6	219.4
0.0	30°	52.7	58.8	63.7	69.9	85.8	101.7	117.6	133.6	208.3	283.1
0.0	32.5°	49.0	55.1	61.3	67.4	88.2	109.1	128.7	149.5	247.5	344.4
0.0	35°	45.3	52.7	58.8	65.0	91.9	120.1	147.1	174.0	283.1	390.9
0.0	37.5°	44.1	51.5	57.6	63.7	93.1	121.3	150.7	178.9	286.8	394.6
0.0	40°	45.3	51.5	58.8	65.0	89.5	114.0	137.3	161.8	274.5	386.0
0.0	42.5°	45.3	52.7	60.0	67.4	87.0	106.6	126.2	145.8	270.8	395.8
0.0	45°	44.1	51.5	58.8	66.2	84.6	101.7	120.1	137.3	292.9	447.3
0.0	47.5°	42.9	50.2	57.6	65.0	83.3	101.7	120.1	138.5	378.7	617.6
0.0	50°	42.9	50.2	56.4	62.5	84.6	107.8	129.9	152.0	551.5	949.7
0.0	52.5°	45.3	51.5	56.4	61.3	87.0	114.0	139.7	165.4	701.0	1235.3
0.0	55°	49.0	52.7	57.6	61.3	93.1	123.8	155.6	186.3	746.3	1306.4
0.0	57.5°	53.9	57.6	61.3	65.0	104.2	143.4	181.4	220.6	750.0	1278.2
0.0	60°	60.0	65.0	68.6	72.3	114.0	156.9	198.5	240.2	678.9	1116.4
0.0	62.5°	73.5	79.7	84.6	90.7	131.1	170.3	210.8	250.0	563.7	877.4
0.0	65°	84.6	89.5	94.4	99.3	138.5	178.9	218.1	257.4	477.9	698.5
0.0	67.5°	87.0	91.9	95.6	100.5	140.9	181.4	220.6	261.0	409.3	556.4
	70°	88.2	94.4	101.7	107.8	149.5	191.2	231.6	273.3	362.7	452.2
	72.5°	84.6	96.8	107.8	118.9	158.1	196.1	235.3	273.3	337.0	400.7
	75°	84.6	101.7	117.6	133.6	163.0	191.2	220.6	248.8	297.8	346.8
	77.5°	89.5	111.5	133.6	155.6	172.8	188.7	205.9	221.8	253.7	285.5
	80°	89.5	112.7	134.8	158.1	165.4	174.0	181.4	188.7	192.4	196.1
	82.5°	77.2	95.6	114.0	132.4	123.8	115.2	106.6	98.0	91.9	84.6
	85°	39.2	42.9	45.3	47.8	44.1	40.4	36.8	33.1	30.6	27.0
	87.5°	15.9	15.9	14.7	14.7	14.7	14.7	13.5	13.5	13.5	13.5
	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: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
71.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.6	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.2	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.1	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.9	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
261.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
491.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
614.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
697.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
759.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
822.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
944.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1189.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1813.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2778.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3497.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3577.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3227.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2759.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2156.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1629.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1203.4	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
851.7											
633.6											
460.8											
346.8											
194.9											
88.2											
25.7											
12.3											
0.0											
0.0											
0.0											
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0.0											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	91.9	90.7	90.7	89.5	88.2	87.0	85.8	84.6	83.3	82.1
0.0	5°	95.6	95.6	95.6	94.4	94.4	93.1	93.1	91.9	90.7	89.5
0.0	7.5°	99.3	100.5	100.5	101.7	101.7	101.7	101.7	100.5	100.5	100.5
0.0	10°	105.4	106.6	107.8	109.1	110.3	111.5	111.5	112.7	112.7	112.7
0.0	12.5°	112.7	116.4	118.9	122.5	125.0	128.7	131.1	134.8	137.3	139.7
0.0	15°	123.8	129.9	137.3	143.4	149.5	158.1	167.9	176.5	185.0	198.5
0.0	17.5°	139.7	159.3	178.9	197.3	216.9	259.8	302.7	344.4	387.3	449.8
0.0	20°	170.3	229.2	286.8	345.6	403.2	553.9	703.4	854.2	1003.7	1164.2
0.0	22.5°	239.0	383.6	528.2	672.8	817.4	1132.3	1446.1	1761.0	2074.7	2443.6
0.0	25°	346.8	612.7	878.7	1143.4	1409.3	1901.9	2395.8	2888.4	3381.1	3860.3
0.0	27.5°	504.9	911.8	1318.6	1724.2	2131.1	2799.0	3468.1	4136.0	4803.9	5345.5
0.0	30°	699.7	1251.2	1802.7	2354.1	2905.6	3665.4	4425.2	5183.8	5943.6	6535.5
0.0	32.5°	883.6	1558.8	2234.0	2908.1	3583.3	4448.5	5314.9	6180.1	7045.3	7692.3
0.0	35°	1003.7	1819.8	2637.2	3453.4	4269.6	5205.8	6142.1	7077.1	8013.4	8752.4
0.0	37.5°	1123.8	2066.2	3007.3	3949.7	4890.9	5919.1	6947.2	7975.4	9003.6	9916.6
0.0	40°	1258.6	2363.9	3468.1	4573.5	5677.6	6895.8	8112.7	9330.8	10547.7	11835.7
0.0	42.5°	1492.6	2857.8	4224.2	5589.4	6954.6	8566.1	10177.6	11787.9	13399.4	15237.6
0.0	45°	1932.6	3856.6	5781.8	7705.8	9629.8	11764.6	13900.6	16035.4	18170.2	20616.2
0.0	47.5°	3009.8	5656.8	8302.6	10949.6	13595.4	15900.6	18204.5	20509.6	22813.5	25249.7
0.0	50°	4605.3	7686.2	10767.0	13846.7	16927.5	19013.3	21097.8	23183.6	25268.1	27585.5
0.0	52.5°	5759.7	8969.3	12180.0	15389.5	18599.1	20481.4	22365.0	24247.3	26129.6	28295.0
0.0	55°	5846.8	9037.9	12230.3	15421.4	18612.5	20503.5	22394.4	24285.3	26176.2	28471.5
0.0	57.5°	5176.4	8341.8	11506.0	14671.4	17835.6	19988.8	22140.7	24293.9	26445.8	28927.4
0.0	60°	4403.1	7569.8	10735.2	13901.8	17067.2	19547.6	22029.2	24509.5	26989.9	29314.6
0.0	62.5°	3435.0	6692.3	9950.9	13208.2	16465.5	18983.9	21502.2	24019.4	26537.7	28281.6
0.0	65°	2560.0	5723.0	8885.9	12047.7	15210.6	17227.8	19244.9	21260.8	23277.9	24357.6
0.0	67.5°	1850.5	4578.4	7305.1	10033.0	12759.7	14203.3	15646.9	17089.3	18532.9	19358.9
	70°	1251.2	3140.9	5029.4	6919.0	8807.5	9993.8	11181.3	12367.5	13553.8	14669.0
	72.5°	866.4	1927.7	2990.2	4051.4	5112.7	6306.3	7498.7	8692.3	9884.7	11064.8
	75°	574.7	1057.6	1541.7	2024.5	2507.3	3390.9	4275.7	5159.3	6042.8	6746.3
	77.5°	408.1	552.7	698.5	843.1	987.7	1153.2	1319.8	1485.3	1650.7	1901.9
	80°	193.6	212.0	230.4	247.5	265.9	326.0	386.0	446.1	506.1	569.8
	82.5°	91.9	99.3	106.6	112.7	120.1	126.2	132.4	138.5	144.6	138.5
	85°	24.5	24.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	24.5
	87.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	9.8	9.8	8.6
	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: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
71.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.2	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.0	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.9	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.0	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1326.0	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2812.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4339.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5887.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7128.6	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8340.6	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9491.3	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10830.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13123.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17075.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23062.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27686.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29902.9	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30460.5	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30768.1	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31409.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31638.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30026.6	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25438.5	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20186.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15782.9											
12245.0											
7449.7											
2153.2											
633.6											
131.1											
23.3											
8.6											
0.0											
0.0											
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0.0											

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	2.5°	79.7	78.4	77.2	76.0	74.8	72.3	72.3	71.1	71.1
0.0	5°	87.0	85.8	84.6	83.3	83.3	82.1	80.9	80.9	79.7
0.0	7.5°	99.3	98.0	96.8	95.6	95.6	94.4	94.4	93.1	93.1
0.0	10°	114.0	114.0	114.0	114.0	114.0	112.7	112.7	112.7	111.5
0.0	12.5°	143.4	144.6	147.1	149.5	153.2	153.2	153.2	152.0	152.0
0.0	15°	226.7	240.2	250.0	259.8	268.4	288.0	285.5	281.9	279.4
0.0	17.5°	573.5	634.8	667.9	699.7	732.8	823.5	808.8	794.1	780.6
0.0	20°	1486.5	1647.0	1753.7	1860.3	1968.1	2138.5	2096.8	2055.1	2013.5
0.0	22.5°	3180.1	3549.0	3709.5	3870.1	4029.4	4235.2	4101.7	3968.1	3835.7
0.0	25°	4817.4	5296.5	5567.3	5838.2	6107.8	6225.4	6051.4	5876.2	5702.1
0.0	27.5°	6428.9	6970.5	7209.5	7447.2	7686.2	7932.5	7716.8	7499.9	7284.2
0.0	30°	7720.5	8312.4	8571.0	8828.3	9086.9	9258.5	9035.4	8811.2	8588.1
0.0	32.5°	8987.6	9634.7	9917.8	10200.9	10482.7	10729.1	10454.5	10178.8	9904.3
0.0	35°	10229.1	10968.0	11357.7	11747.4	12137.1	12366.3	12040.3	11713.1	11387.1
0.0	37.5°	11743.7	12656.7	13093.0	13529.3	13965.5	14383.4	14024.4	13664.1	13305.0
0.0	40°	14411.6	15699.6	16368.7	17039.0	17708.1	18247.4	17793.9	17340.5	16887.1
0.0	42.5°	18914.0	20752.2	21714.2	22675.0	23637.0	24478.9	24002.2	23525.5	23048.8
0.0	45°	25508.3	27954.4	29127.1	30298.7	31471.5	32086.7	31400.4	30712.9	30026.6
0.0	47.5°	30121.0	32557.3	33601.4	34645.5	35689.6	36391.8	35552.3	34712.9	33874.6
0.0	50°	32219.0	34536.4	35584.2	36630.7	37678.5	38236.1	37266.8	36296.2	35326.8
0.0	52.5°	32624.7	34790.1	36040.1	37291.3	38541.3	39286.3	38141.8	36995.9	35851.3
0.0	55°	33063.4	35358.7	36808.4	38259.4	39709.1	40741.0	39446.9	38151.6	36857.5
0.0	57.5°	33889.3	36370.9	37817.0	39261.8	40707.9	41584.1	40286.3	38987.3	37689.6
0.0	60°	33962.9	36286.4	37529.0	38772.9	40015.5	40567.0	39325.6	38082.9	36841.5
0.0	62.5°	31770.5	33514.4	34377.1	35239.8	36102.6	36701.8	35406.5	34109.9	32814.6
0.0	65°	26518.1	27597.7	28285.2	28972.7	29660.2	30374.7	29188.4	28002.2	26815.9
0.0	67.5°	21012.0	21838.0	22743.6	23649.3	24554.9	25318.4	24368.6	23417.6	22467.9
	70°	16898.1	18012.1	19030.4	20048.8	21067.2	21692.2	20738.8	19784.1	18830.7
	72.5°	13425.1	14605.2	15455.7	16305.0	17155.5	17308.6	16607.7	15906.7	15206.9
	75°	8151.9	8855.3	8872.5	8888.4	8905.5	9051.4	8470.5	7889.6	7310.0
	77.5°	2404.4	2655.6	2862.7	3068.6	3275.7	3525.7	3312.5	3098.0	2884.8
	80°	696.1	759.8	813.7	866.4	920.3	888.5	838.2	788.0	737.7
	82.5°	125.0	117.6	116.4	115.2	115.2	109.1	99.3	89.5	79.7
	85°	22.1	20.8	19.6	18.4	17.2	15.9	13.5	12.3	9.8
	87.5°	7.4	6.1	4.9	3.7	3.7	1.2	1.2	1.2	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-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°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
0.0	0.0	2.5°	69.9	68.6	68.6	68.6	68.6	67.4	67.4	67.4	67.4
0.0	0.0	5°	77.2	77.2	76.0	76.0	74.8	74.8	73.5	73.5	72.3
0.0	0.0	7.5°	90.7	89.5	88.2	87.0	85.8	83.3	82.1	80.9	80.9
0.0	0.0	10°	109.1	106.6	105.4	102.9	101.7	99.3	96.8	94.4	91.9
0.0	0.0	12.5°	143.4	138.5	134.8	129.9	125.0	121.3	116.4	112.7	107.8
0.0	0.0	15°	248.8	236.5	223.0	207.1	189.9	174.0	156.9	147.1	136.0
0.0	0.0	17.5°	636.0	572.3	507.3	454.7	402.0	350.5	297.8	259.8	221.8
0.0	0.0	20°	1618.9	1442.4	1265.9	1091.9	916.7	742.6	567.4	479.2	390.9
0.0	0.0	22.5°	3046.5	2719.3	2390.9	2073.5	1754.9	1437.5	1120.1	920.3	721.8
0.0	0.0	25°	4702.2	4290.4	3878.6	3356.6	2833.3	2311.3	1789.2	1464.4	1139.7
0.0	0.0	27.5°	6118.8	5644.5	5170.3	4535.5	3900.7	3265.9	2631.1	2147.0	1664.2
0.0	0.0	30°	7345.5	6835.7	6325.9	5587.0	4848.0	4109.0	3370.1	2764.7	2159.3
0.0	0.0	32.5°	8409.2	7798.9	7188.6	6426.4	5664.2	4901.9	4139.7	3397.0	2654.4
0.0	0.0	35°	9635.9	8923.9	8210.7	7365.1	6518.3	5672.7	4827.2	3988.9	3149.5
0.0	0.0	37.5°	11194.7	10321.0	9446.0	8503.6	7561.2	6620.0	5677.6	4719.3	3761.0
0.0	0.0	40°	14178.8	13051.3	11923.9	10726.6	9528.1	8330.8	7133.5	5957.0	4780.6
0.0	0.0	42.5°	19525.5	18002.3	16479.0	14885.9	13291.5	11698.4	10104.1	8444.8	6784.2
0.0	0.0	45°	25559.8	23670.1	21779.2	19991.2	18202.0	16414.0	14626.1	12349.1	10072.2
0.0	0.0	47.5°	28953.1	26912.7	24872.3	23179.9	21487.5	19795.1	18102.7	15648.1	13193.5
0.0	0.0	50°	30201.9	28124.7	26047.5	24489.9	22931.1	21373.5	19814.7	17356.4	14896.9
0.0	0.0	52.5°	30467.8	28349.0	26230.1	24662.7	23095.3	21529.2	19961.8	17519.4	15077.0
0.0	0.0	55°	31014.4	28741.1	26466.6	24679.9	22893.1	21106.4	19319.6	16838.1	14356.5
0.0	0.0	57.5°	31728.8	29398.0	27067.1	25031.6	22996.1	20961.8	18926.3	16213.1	13499.9
0.0	0.0	60°	31541.3	29513.2	27483.8	25303.7	23122.3	20942.2	18760.8	15776.8	12791.5
0.0	0.0	62.5°	28286.5	26671.3	25054.9	23262.0	21467.9	19675.0	17882.2	14809.9	11737.6
0.0	0.0	65°	23270.6	22091.7	20912.8	19470.4	18026.8	16584.4	15142.0	12387.1	9633.5
0.0	0.0	67.5°	18860.1	17531.7	16202.0	15052.5	13901.8	12752.3	11601.6	9433.7	7265.9
		70°	14983.9	13539.1	12093.0	10970.5	9846.7	8724.2	7601.6	6160.5	4720.5
		72.5°	11899.4	10596.7	9294.0	8096.7	6898.2	5700.9	4502.4	3650.7	2799.0
		75°	5687.4	5166.6	4645.8	4019.6	3393.3	2767.1	2140.9	1769.6	1399.5
		77.5°	2107.8	1827.2	1545.3	1290.4	1035.5	781.9	527.0	482.8	438.7
		80°	545.3	475.5	404.4	354.2	302.7	252.4	202.2	182.6	164.2
		82.5°	62.5	57.6	53.9	51.5	47.8	45.3	41.7	38.0	34.3
		85°	3.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1049439

CATALOG NUMBER: GALN-SA4C-950-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	71.1	71.1
0.0	0.0	2.5°	66.2	65.0
0.0	0.0	5°	69.9	68.6
0.0	0.0	7.5°	77.2	74.8
0.0	0.0	10°	84.6	82.1
0.0	0.0	12.5°	95.6	91.9
0.0	0.0	15°	107.8	100.5
0.0	0.0	17.5°	128.7	112.7
0.0	0.0	20°	174.0	133.6
0.0	0.0	22.5°	245.1	166.7
0.0	0.0	25°	360.3	230.4
0.0	0.0	27.5°	501.2	306.4
0.0	0.0	30°	666.7	383.6
0.0	0.0	32.5°	812.5	457.1
0.0	0.0	35°	1002.4	531.9
0.0	0.0	37.5°	1236.5	627.4
0.0	0.0	40°	1599.2	772.1
0.0	0.0	42.5°	2252.4	1039.2
0.0	0.0	45°	3658.0	1796.5
0.0	0.0	47.5°	5628.6	2971.8
0.0	0.0	50°	6886.0	3792.9
0.0	0.0	52.5°	6988.9	3786.7
0.0	0.0	55°	6379.8	3366.4
0.0	0.0	57.5°	5443.6	2813.7
0.0	0.0	60°	4524.5	2225.5
0.0	0.0	62.5°	3564.9	1536.7
0.0	0.0	65°	2605.4	1087.0
0.0	0.0	67.5°	1871.3	812.5
		70°	1230.4	622.5
		72.5°	801.5	507.3
		75°	539.2	420.3
		77.5°	314.9	279.4
		80°	111.5	98.0
		82.5°	20.8	14.7
		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: P1049439

CATALOG NUMBER: GALN-SA4C-950-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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

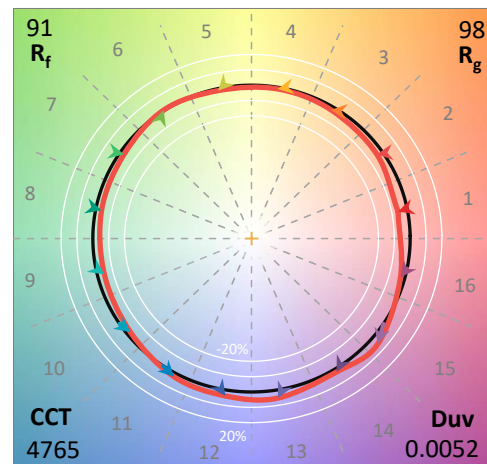
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

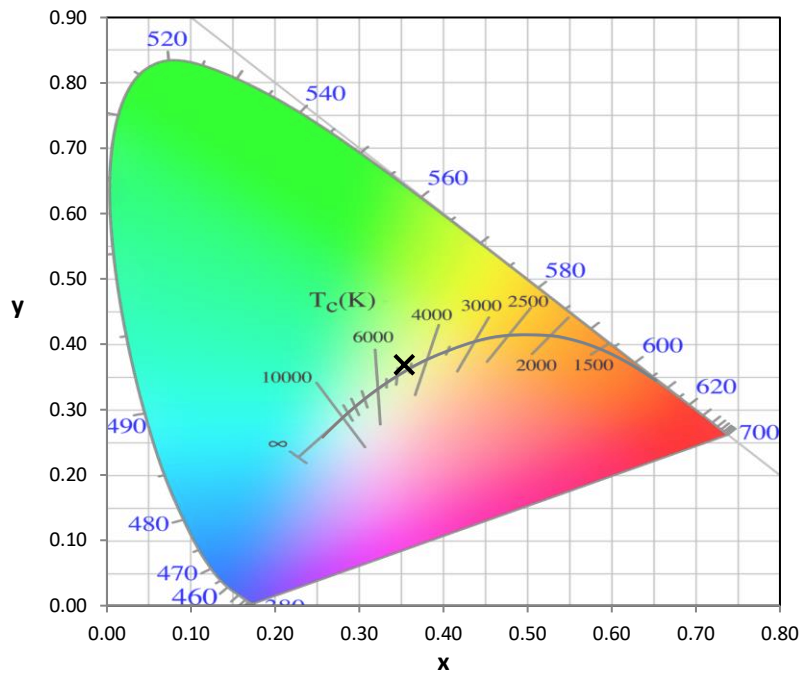
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

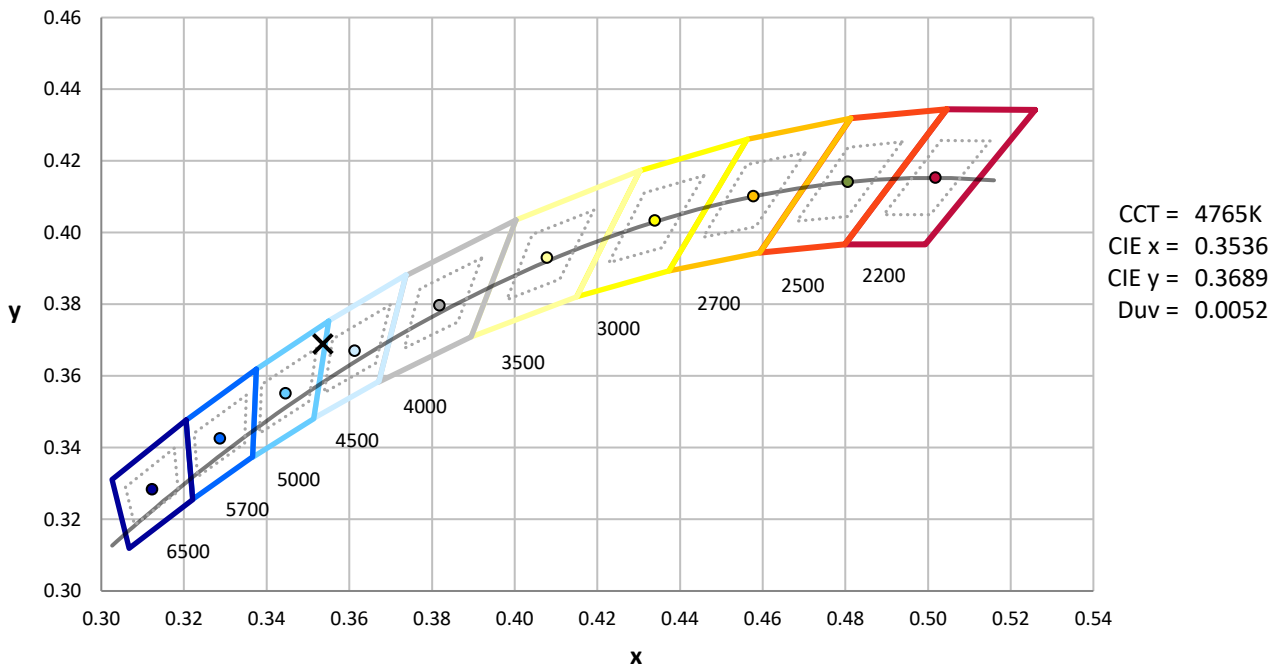
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

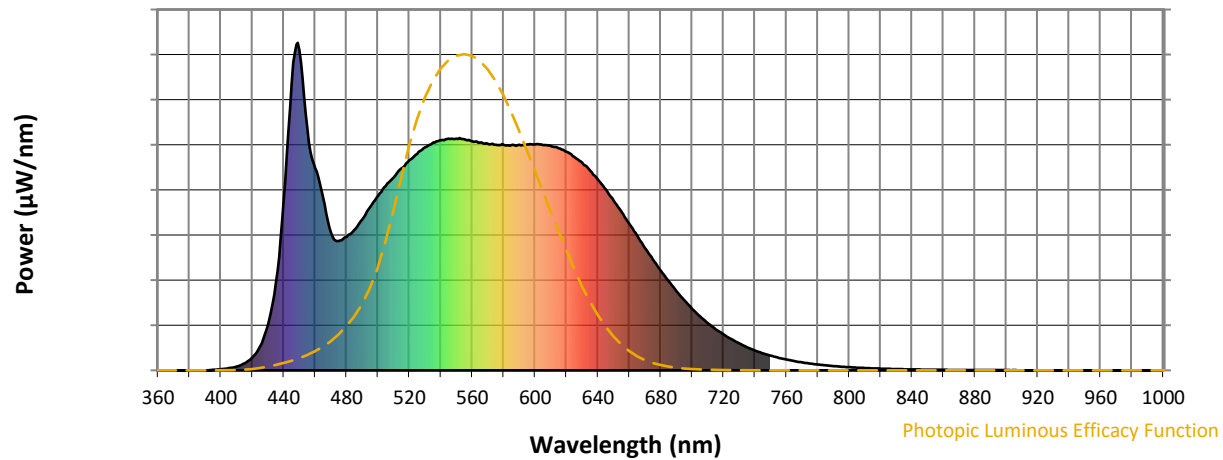


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

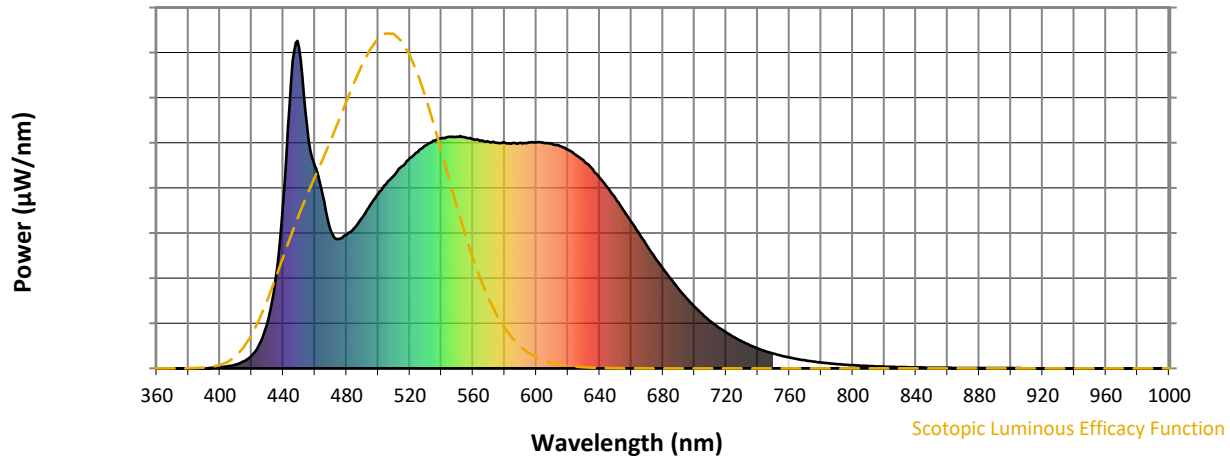


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



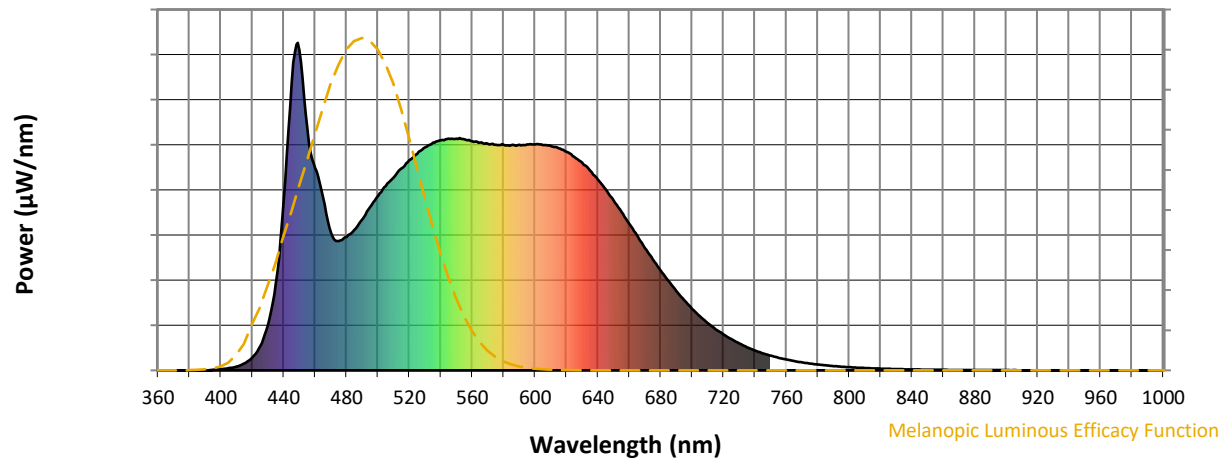
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

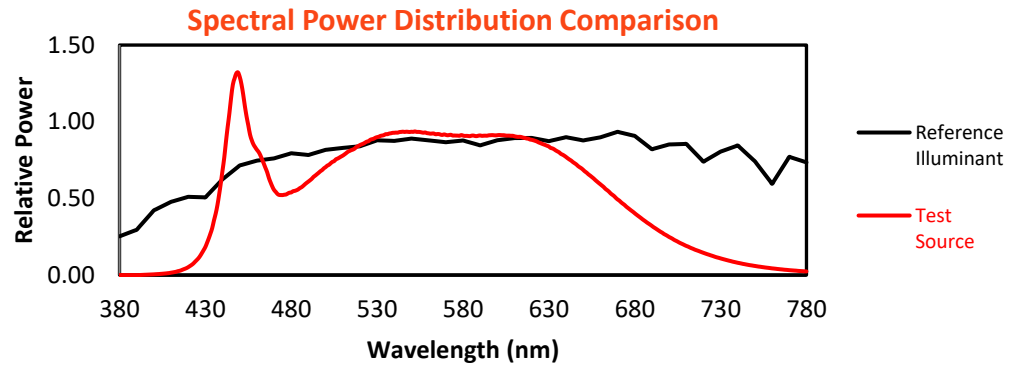
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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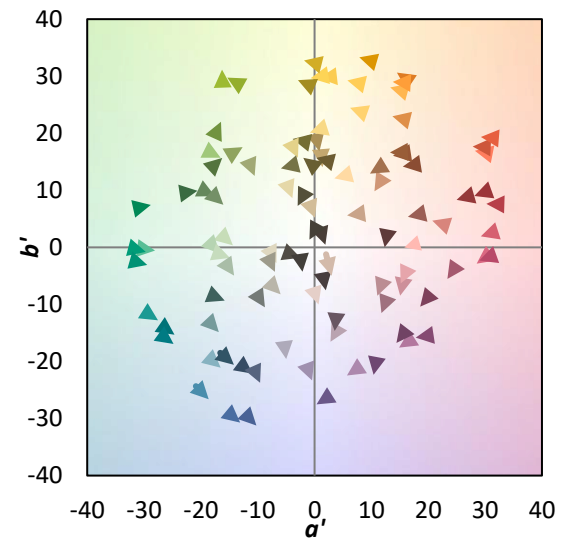
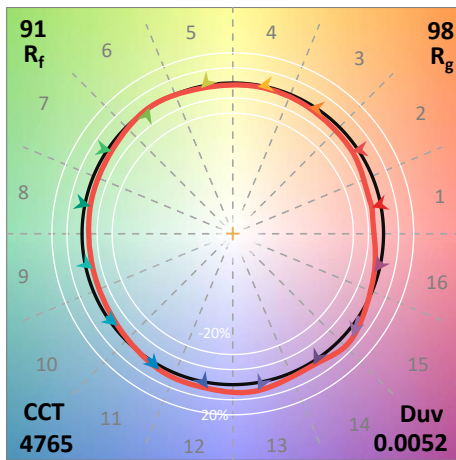
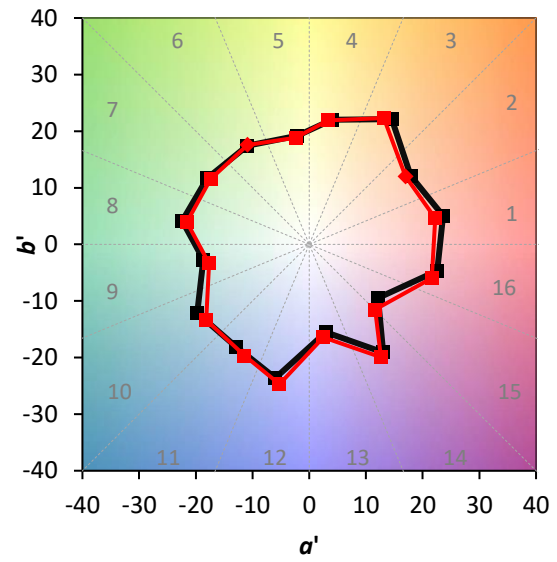
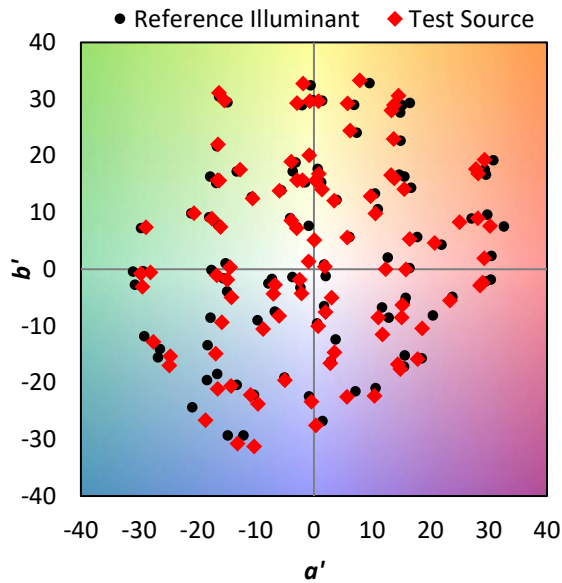
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

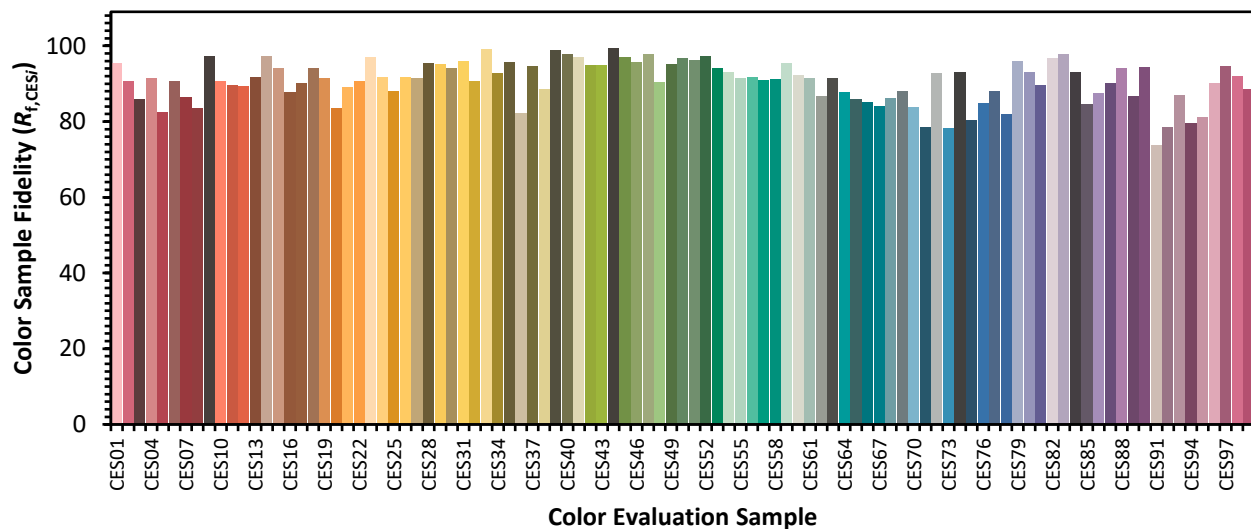


Color Vector Graphics

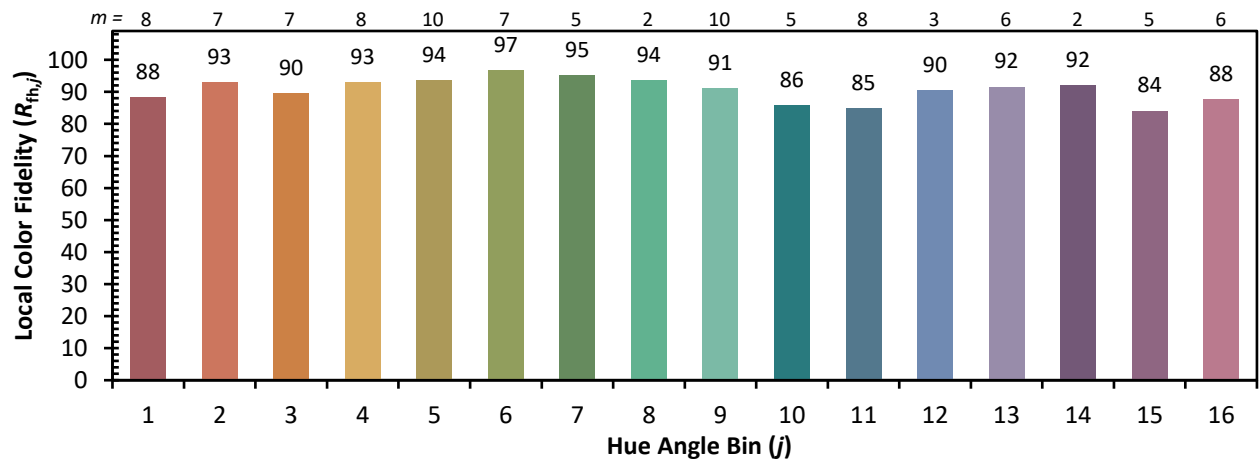
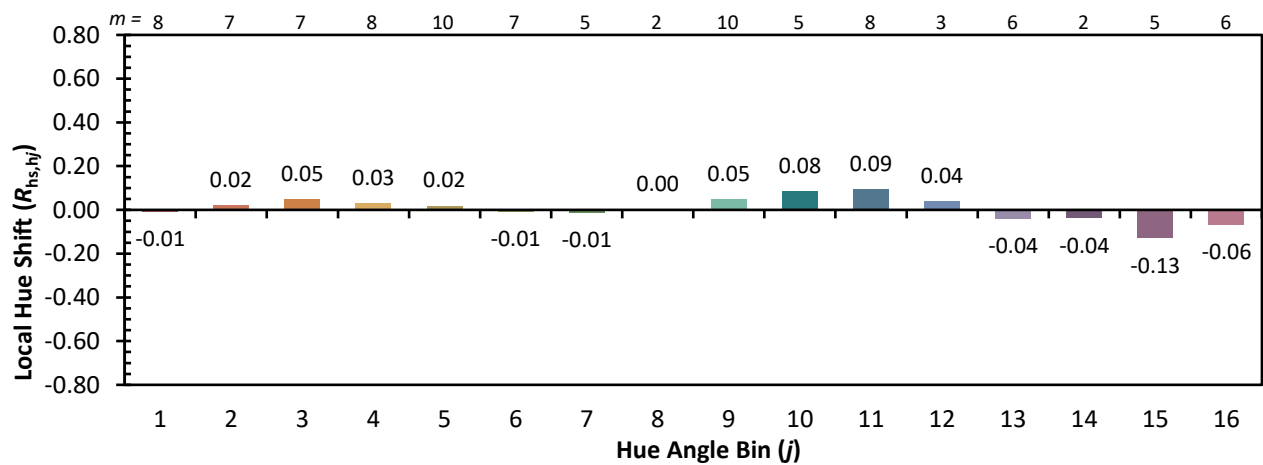
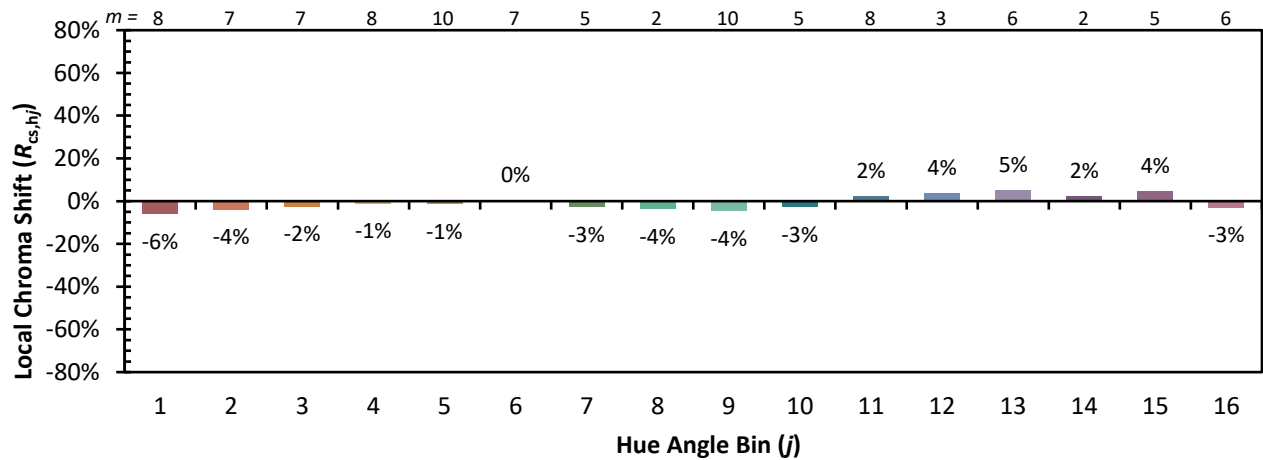


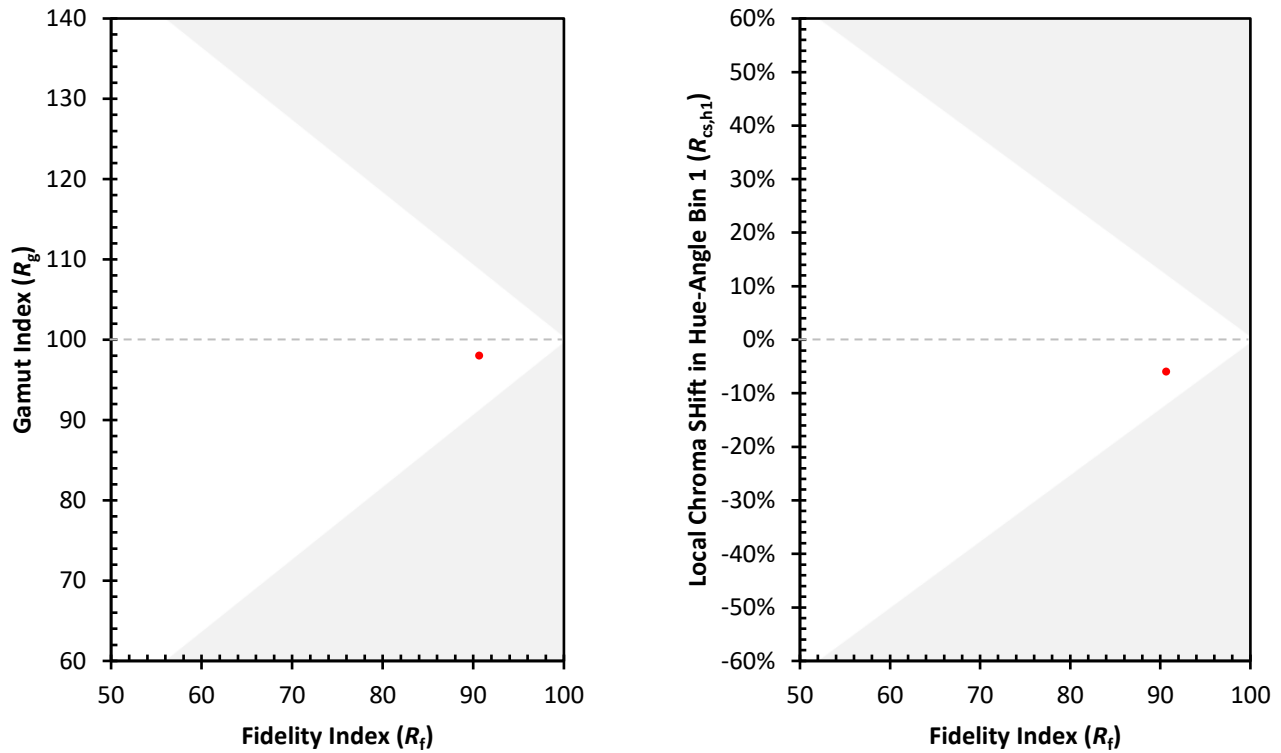
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)