

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: P1048862

Luminaire Tested: **GALN-SA4B-740-U-RBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1048862
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-740-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16434.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

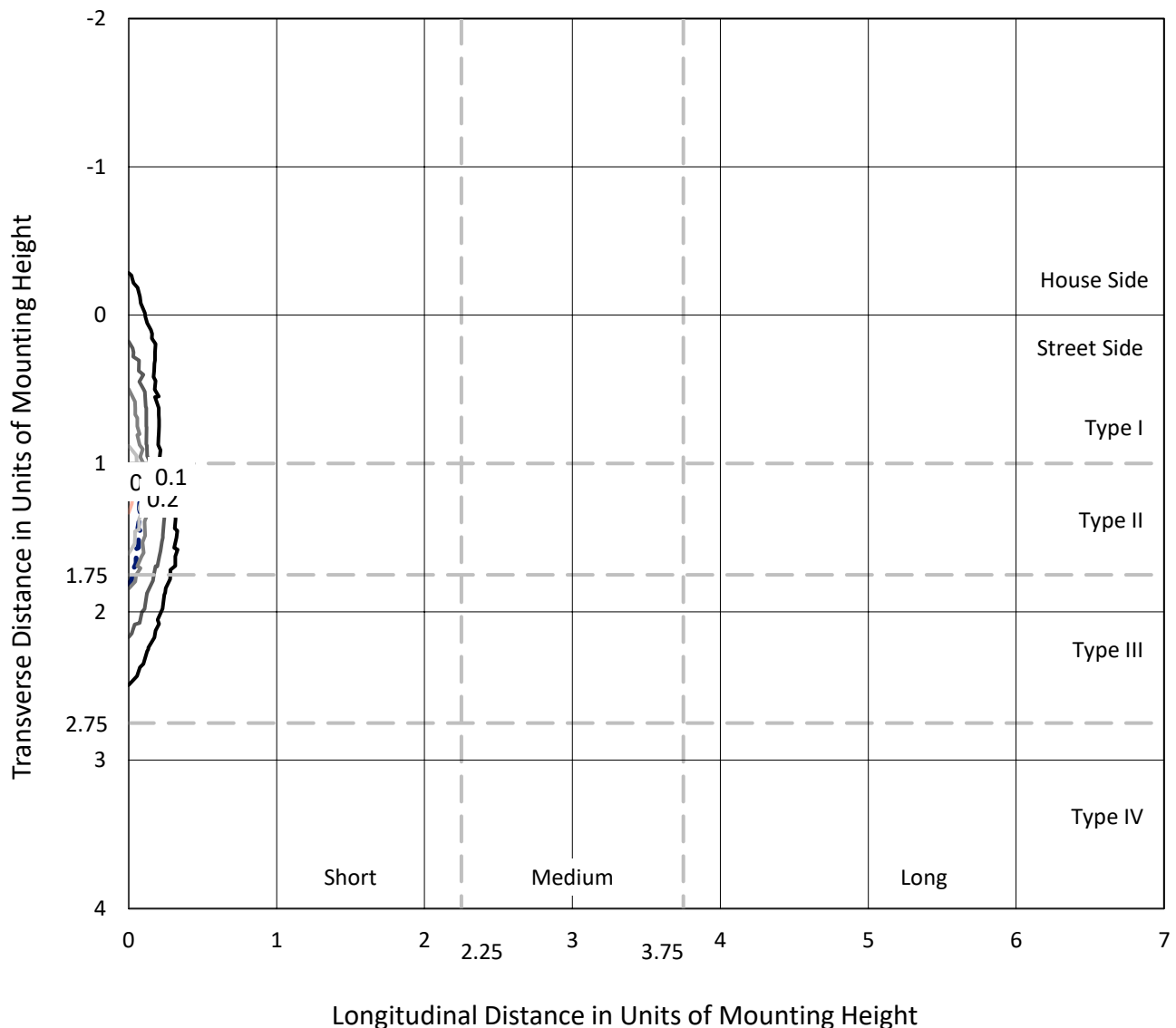
Input Watts (W): 144.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

Iso-Footcandle Lines of Horizontal Illumination

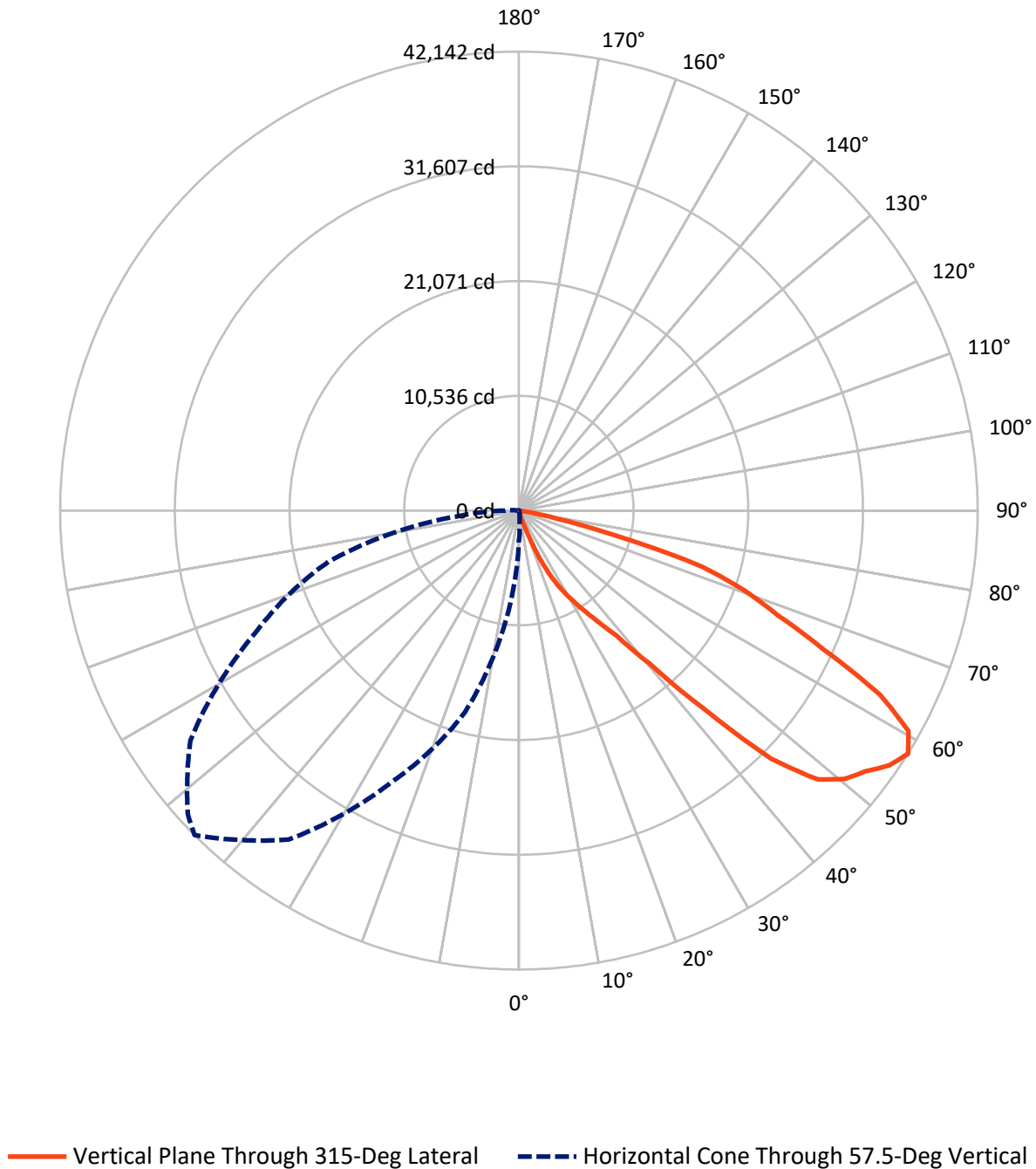
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1048862
CATALOG NUMBER: GALN-SA4B-740-U-RBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.3	0.0	82.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	16351.9	0.0	16351.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	16434.2	0.0	16434.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.0
10°-20°	36.1	0.2
20°-30°	389.5	2.4
30°-40°	1151.7	7.0
40°-50°	3432.5	20.9
50°-60°	5442.6	33.1
60°-70°	4543.3	27.6
70°-80°	1401.0	8.5
80°-90°	31.2	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°	16434.2	100.0
0°-180°	16434.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1048862

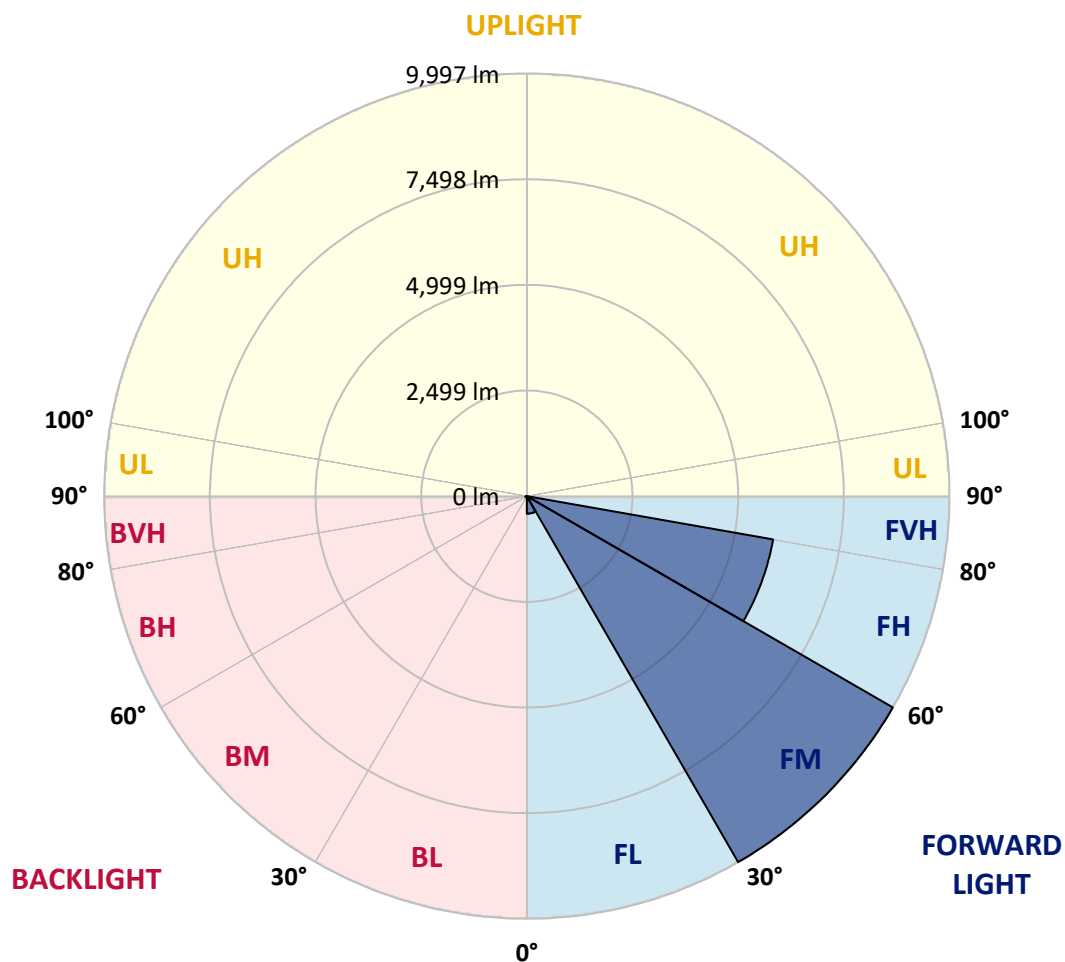
CATALOG NUMBER: GALN-SA4B-740-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.9	2.5			
FM	(30°-60°)	9997.4	60.8			
FH	(60°-80°)	5913.5	36.0			G3/7500
FVH	(80°-90°)	24.1	0.1			G1/100
BL	(0°-30°)	15.1	0.1	B0/110		
BM	(30°-60°)	29.4	0.2	B0/220		
BH	(60°-80°)	30.7	0.2	B0/110		G0/110
BVH	(80°-90°)	7.1	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



REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2.5°	65.8	65.8	65.8	65.8	64.6	64.6	63.3	63.3	62.1	62.1
5°	69.5	69.5	68.3	67.1	67.1	65.8	64.6	63.3	63.3	62.1
7.5°	75.8	74.5	73.3	72.0	69.5	68.3	65.8	64.6	63.3	60.9
10°	83.2	80.7	78.2	75.8	73.3	70.8	68.3	67.1	64.6	63.3
12.5°	93.1	89.4	84.5	80.7	78.2	74.5	72.0	69.5	65.8	63.3
15°	101.8	96.9	90.7	85.7	82.0	77.0	73.3	69.5	67.1	63.3
17.5°	114.3	105.6	95.6	89.4	84.5	78.2	72.0	68.3	64.6	59.6
20°	135.4	118.0	99.4	91.9	84.5	77.0	69.5	64.6	60.9	55.9
22.5°	168.9	139.1	109.3	98.1	88.2	77.0	67.1	62.1	57.1	52.2
25°	233.5	180.1	126.7	111.8	96.9	82.0	67.1	60.9	55.9	49.7
27.5°	310.5	231.0	150.3	129.2	109.3	88.2	67.1	59.6	53.4	46.0
30°	388.7	283.2	176.4	149.0	121.7	94.4	67.1	58.4	50.9	42.2
32.5°	463.2	331.6	198.7	166.4	134.1	100.6	68.3	58.4	48.4	38.5
35°	539.0	371.3	202.4	168.9	135.4	100.6	67.1	55.9	46.0	34.8
37.5°	635.9	416.0	195.0	161.4	129.2	95.6	63.3	53.4	43.5	32.3
40°	782.4	490.6	198.7	163.9	129.2	94.4	59.6	49.7	41.0	31.0
42.5°	1053.1	634.6	214.9	175.1	135.4	94.4	54.6	46.0	38.5	29.8
45°	1820.7	1054.4	288.1	228.5	168.9	109.3	49.7	42.2	36.0	28.6
47.5°	3011.7	1764.8	517.9	399.9	283.2	165.2	48.4	42.2	36.0	28.6
50°	3843.7	2247.9	652.0	501.7	351.5	201.2	50.9	43.5	37.3	29.8
52.5°	3837.5	2282.6	726.5	557.6	390.0	221.1	53.4	46.0	39.7	32.3
55°	3411.5	2076.5	740.2	568.8	398.7	227.3	57.1	49.7	42.2	34.8
57.5°	2851.4	1763.5	675.6	522.8	371.3	218.6	65.8	57.1	49.7	41.0
60°	2255.3	1390.9	526.6	416.0	306.8	196.2	86.9	75.8	65.8	54.6
62.5°	1557.4	1008.4	459.5	368.8	279.4	188.8	99.4	88.2	78.2	67.1
65°	1101.6	758.8	414.8	337.8	262.0	185.0	108.0	95.6	84.5	72.0
67.5°	823.4	603.6	382.5	316.7	250.9	185.0	119.2	104.3	90.7	75.8
70°	630.9	495.5	358.9	305.5	253.4	199.9	146.5	125.4	105.6	84.5
72.5°	514.2	423.5	331.6	293.1	254.6	216.1	177.6	150.3	122.9	94.4
75°	426.0	362.6	299.3	267.0	236.0	203.7	171.4	146.5	122.9	98.1
77.5°	283.2	258.3	232.2	213.6	195.0	175.1	156.5	135.4	115.5	94.4
80°	99.4	95.6	91.9	99.4	106.8	114.3	121.7	106.8	93.1	78.2
82.5°	14.9	13.7	12.4	13.7	14.9	16.1	17.4	18.6	19.9	21.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

25°		27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	60.9	60.9	59.6	59.6	59.6	58.4	58.4	57.1	57.1	57.1
0.0	5°	59.6	59.6	58.4	57.1	55.9	55.9	54.6	53.4	53.4	52.2
0.0	7.5°	58.4	57.1	55.9	54.6	53.4	52.2	50.9	49.7	49.7	48.4
0.0	10°	59.6	57.1	55.9	53.4	52.2	50.9	48.4	47.2	46.0	46.0
0.0	12.5°	57.1	55.9	53.4	50.9	49.7	47.2	46.0	43.5	42.2	42.2
0.0	15°	57.1	54.6	50.9	48.4	46.0	44.7	42.2	39.7	38.5	37.3
0.0	17.5°	53.4	50.9	47.2	44.7	42.2	39.7	37.3	34.8	33.5	32.3
0.0	20°	48.4	46.0	42.2	38.5	36.0	33.5	31.0	28.6	27.3	26.1
0.0	22.5°	43.5	41.0	37.3	33.5	31.0	28.6	24.8	22.4	21.1	18.6
0.0	25°	41.0	37.3	33.5	29.8	26.1	23.6	19.9	16.1	13.7	11.2
0.0	27.5°	34.8	31.0	27.3	23.6	19.9	16.1	12.4	8.7	6.2	5.0
0.0	30°	29.8	26.1	22.4	18.6	13.7	9.9	6.2	1.2	1.2	1.2
0.0	32.5°	24.8	21.1	16.1	12.4	9.9	6.2	3.7	0.0	0.0	0.0
0.0	35°	19.9	16.1	11.2	7.5	6.2	3.7	2.5	0.0	0.0	0.0
0.0	37.5°	17.4	13.7	8.7	3.7	2.5	2.5	1.2	0.0	0.0	0.0
0.0	40°	16.1	11.2	6.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
0.0	42.5°	16.1	11.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	16.1	11.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	16.1	11.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	17.4	12.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	19.9	14.9	9.9	5.0	3.7	2.5	1.2	0.0	0.0	0.0
0.0	55°	24.8	22.4	18.6	16.1	12.4	8.7	3.7	0.0	0.0	0.0
0.0	57.5°	32.3	32.3	31.0	29.8	22.4	14.9	7.5	0.0	0.0	0.0
0.0	60°	43.5	43.5	43.5	43.5	32.3	22.4	11.2	0.0	0.0	0.0
0.0	62.5°	53.4	50.9	47.2	44.7	33.5	22.4	11.2	0.0	0.0	0.0
0.0	65°	53.4	48.4	42.2	36.0	27.3	18.6	8.7	0.0	0.0	0.0
0.0	67.5°	49.7	39.7	28.6	18.6	13.7	9.9	5.0	0.0	0.0	0.0
	70°	49.7	34.8	19.9	5.0	3.7	2.5	1.2	0.0	0.0	0.0
	72.5°	49.7	33.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	54.6	37.3	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	54.6	37.3	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	48.4	32.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	16.1	11.2	5.0	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-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	55.9	55.9	55.9	54.6	54.6	54.6	54.6	53.4	53.4	53.4
0.0	5°	50.9	50.9	49.7	49.7	48.4	48.4	47.2	47.2	46.0	46.0
0.0	7.5°	47.2	46.0	46.0	44.7	43.5	43.5	42.2	42.2	41.0	39.7
0.0	10°	43.5	42.2	42.2	41.0	39.7	38.5	38.5	37.3	36.0	34.8
0.0	12.5°	39.7	38.5	37.3	36.0	34.8	33.5	33.5	32.3	31.0	29.8
0.0	15°	34.8	33.5	32.3	31.0	29.8	28.6	28.6	27.3	26.1	24.8
0.0	17.5°	29.8	28.6	28.6	27.3	26.1	24.8	23.6	21.1	19.9	18.6
0.0	20°	22.4	21.1	19.9	18.6	17.4	14.9	13.7	11.2	8.7	7.5
0.0	22.5°	14.9	12.4	11.2	8.7	6.2	5.0	3.7	1.2	0.0	0.0
0.0	25°	5.0	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-SA4B-740-U-RBC

[illegible]

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	52.2	52.2	52.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9
0.0	5°	44.7	44.7	44.7	43.5	43.5	42.2	42.2	42.2	41.0	41.0
0.0	7.5°	38.5	37.3	37.3	36.0	36.0	34.8	34.8	34.8	33.5	33.5
0.0	10°	32.3	31.0	31.0	29.8	29.8	28.6	28.6	27.3	27.3	26.1
0.0	12.5°	28.6	27.3	26.1	24.8	24.8	23.6	22.4	22.4	21.1	19.9
0.0	15°	22.4	21.1	19.9	18.6	17.4	16.1	14.9	14.9	13.7	12.4
0.0	17.5°	14.9	12.4	11.2	9.9	9.9	8.7	7.5	6.2	5.0	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
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: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	50.9	49.7	49.7	49.7	50.9	50.9	50.9	50.9	50.9	50.9
0.0	5°	41.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
0.0	7.5°	33.5	32.3	32.3	32.3	32.3	31.0	31.0	31.0	31.0	31.0
0.0	10°	26.1	24.8	24.8	24.8	24.8	23.6	23.6	23.6	23.6	23.6
0.0	12.5°	18.6	18.6	17.4	17.4	17.4	16.1	16.1	16.1	16.1	14.9
0.0	15°	11.2	9.9	8.7	8.7	8.7	7.5	7.5	7.5	7.5	6.2
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
	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-SA4B-740-U-RBC

[illegible]

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	52.2	52.2	53.4	53.4	54.6	57.1	58.4	59.6	62.1	64.6
0.0	5°	41.0	42.2	42.2	43.5	44.7	46.0	47.2	48.4	50.9	53.4
0.0	7.5°	32.3	32.3	33.5	33.5	34.8	37.3	38.5	39.7	42.2	46.0
0.0	10°	24.8	24.8	26.1	26.1	27.3	29.8	31.0	32.3	34.8	38.5
0.0	12.5°	16.1	17.4	17.4	18.6	19.9	22.4	23.6	24.8	27.3	29.8
0.0	15°	7.5	8.7	8.7	9.9	11.2	13.7	14.9	16.1	18.6	22.4
0.0	17.5°	1.2	1.2	2.5	2.5	3.7	5.0	6.2	7.5	11.2	13.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.0
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
	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-SA4B-740-U-RBC

[illegible]

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	68.3	70.8	73.3	75.8	78.2	80.7	82.0	84.5	85.7	86.9
0.0	5°	58.4	60.9	64.6	67.1	69.5	72.0	74.5	75.8	77.0	78.2
0.0	7.5°	50.9	53.4	57.1	59.6	62.1	64.6	67.1	69.5	70.8	72.0
0.0	10°	43.5	47.2	49.7	53.4	55.9	58.4	60.9	63.3	65.8	67.1
0.0	12.5°	34.8	38.5	42.2	44.7	48.4	52.2	54.6	57.1	59.6	62.1
0.0	15°	27.3	31.0	34.8	37.3	41.0	44.7	48.4	50.9	53.4	55.9
0.0	17.5°	19.9	23.6	27.3	29.8	33.5	37.3	39.7	43.5	46.0	48.4
0.0	20°	9.9	13.7	17.4	21.1	24.8	28.6	31.0	34.8	37.3	39.7
0.0	22.5°	1.2	5.0	8.7	11.2	14.9	18.6	21.1	24.8	27.3	29.8
0.0	25°	0.0	1.2	3.7	5.0	6.2	8.7	11.2	13.7	16.1	18.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.5	5.0	7.5	9.9
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	6.2	7.5	8.7
	87.5°	0.0	1.2	2.5	3.7	5.0	7.5	9.9	12.4	13.7	14.9
	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: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
72.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.9	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.2	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.2	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.4	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	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											
5.0											
11.2											
16.1											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	88.2	88.2	88.2	88.2	86.9	86.9	86.9	85.7	85.7	84.5
0.0	5°	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	80.7	80.7
0.0	7.5°	74.5	75.8	77.0	77.0	78.2	78.2	78.2	77.0	77.0	75.8
0.0	10°	70.8	72.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
0.0	12.5°	65.8	67.1	68.3	68.3	69.5	69.5	69.5	69.5	68.3	68.3
0.0	15°	59.6	62.1	63.3	64.6	64.6	65.8	65.8	65.8	65.8	65.8
0.0	17.5°	54.6	57.1	58.4	59.6	59.6	60.9	60.9	62.1	62.1	62.1
0.0	20°	44.7	47.2	48.4	50.9	52.2	53.4	54.6	55.9	55.9	57.1
0.0	22.5°	34.8	37.3	38.5	41.0	42.2	43.5	44.7	46.0	47.2	48.4
0.0	25°	24.8	27.3	28.6	31.0	32.3	33.5	34.8	36.0	36.0	37.3
0.0	27.5°	13.7	16.1	18.6	19.9	22.4	23.6	24.8	26.1	27.3	28.6
0.0	30°	6.2	7.5	8.7	11.2	12.4	13.7	14.9	17.4	18.6	19.9
0.0	32.5°	0.0	0.0	1.2	3.7	5.0	6.2	7.5	8.7	8.7	9.9
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	3.7	5.0
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°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	82.5°	6.2	7.5	8.7	8.7	9.9	9.9	9.9	9.9	8.7	8.7
	85°	12.4	13.7	14.9	14.9	16.1	16.1	16.1	16.1	16.1	16.1
	87.5°	17.4	18.6	19.9	19.9	21.1	21.1	21.1	21.1	21.1	21.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
72.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.7	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.8	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.3	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.4	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21.1	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
3.7											
8.7											
16.1											
21.1											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	83.2	83.2	82.0	82.0	82.0	82.0	82.0	83.2	84.5	84.5
0.0	5°	79.5	79.5	78.2	78.2	78.2	79.5	79.5	80.7	82.0	83.2
0.0	7.5°	75.8	74.5	74.5	75.8	75.8	77.0	77.0	78.2	79.5	80.7
0.0	10°	73.3	72.0	72.0	72.0	73.3	73.3	74.5	75.8	77.0	78.2
0.0	12.5°	68.3	68.3	68.3	68.3	69.5	69.5	70.8	72.0	74.5	75.8
0.0	15°	65.8	64.6	64.6	64.6	64.6	65.8	65.8	68.3	70.8	72.0
0.0	17.5°	60.9	60.9	59.6	59.6	60.9	60.9	62.1	64.6	67.1	68.3
0.0	20°	55.9	54.6	53.4	53.4	54.6	54.6	55.9	58.4	60.9	62.1
0.0	22.5°	48.4	47.2	47.2	47.2	47.2	48.4	48.4	50.9	54.6	57.1
0.0	25°	38.5	39.7	39.7	41.0	41.0	42.2	43.5	46.0	49.7	52.2
0.0	27.5°	29.8	31.0	31.0	33.5	34.8	36.0	37.3	41.0	44.7	47.2
0.0	30°	22.4	23.6	24.8	26.1	28.6	31.0	33.5	37.3	41.0	43.5
0.0	32.5°	13.7	16.1	17.4	19.9	22.4	24.8	27.3	31.0	36.0	39.7
0.0	35°	9.9	11.2	13.7	14.9	17.4	19.9	22.4	27.3	31.0	36.0
0.0	37.5°	5.0	7.5	9.9	12.4	14.9	17.4	19.9	24.8	29.8	33.5
0.0	40°	3.7	6.2	7.5	9.9	13.7	16.1	18.6	23.6	28.6	33.5
0.0	42.5°	2.5	3.7	5.0	8.7	11.2	14.9	18.6	23.6	28.6	33.5
0.0	45°	2.5	2.5	3.7	7.5	11.2	16.1	19.9	24.8	28.6	33.5
0.0	47.5°	2.5	3.7	5.0	9.9	12.4	16.1	19.9	23.6	28.6	32.3
0.0	50°	3.7	5.0	6.2	11.2	13.7	17.4	19.9	24.8	28.6	33.5
0.0	52.5°	2.5	3.7	5.0	9.9	13.7	18.6	22.4	27.3	32.3	36.0
0.0	55°	1.2	1.2	1.2	7.5	14.9	21.1	28.6	32.3	37.3	41.0
0.0	57.5°	0.0	0.0	0.0	5.0	14.9	23.6	32.3	37.3	42.2	46.0
0.0	60°	0.0	0.0	0.0	5.0	14.9	23.6	32.3	38.5	44.7	50.9
0.0	62.5°	0.0	0.0	0.0	5.0	12.4	19.9	27.3	37.3	48.4	58.4
0.0	65°	0.0	0.0	0.0	3.7	9.9	16.1	22.4	37.3	52.2	65.8
0.0	67.5°	0.0	0.0	0.0	3.7	9.9	14.9	21.1	37.3	52.2	68.3
	70°	0.0	0.0	0.0	3.7	9.9	16.1	22.4	37.3	52.2	67.1
	72.5°	0.0	0.0	0.0	3.7	11.2	17.4	24.8	37.3	49.7	62.1
	75°	0.0	0.0	0.0	5.0	11.2	18.6	26.1	37.3	48.4	58.4
	77.5°	0.0	0.0	0.0	3.7	11.2	17.4	24.8	36.0	47.2	57.1
	80°	3.7	2.5	2.5	6.2	11.2	16.1	21.1	32.3	44.7	55.9
	82.5°	7.5	7.5	6.2	8.7	11.2	14.9	18.6	28.6	39.7	49.7
	85°	14.9	14.9	13.7	14.9	14.9	16.1	17.4	22.4	27.3	32.3
	87.5°	19.9	19.9	18.6	18.6	18.6	17.4	17.4	17.4	17.4	16.1
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
72.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.7	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.6	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.3	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.3	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.1	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68.3	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.2	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.0											
74.5											
69.5											
68.3											
67.1											
59.6											
37.3											
16.1											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	86.9	88.2	88.2	89.4	90.7	91.9	91.9	93.1	93.1	93.1
0.0	5°	85.7	88.2	89.4	90.7	91.9	93.1	94.4	95.6	96.9	96.9
0.0	7.5°	84.5	85.7	88.2	89.4	91.9	93.1	95.6	96.9	98.1	99.4
0.0	10°	82.0	84.5	86.9	89.4	91.9	94.4	96.9	99.4	101.8	103.1
0.0	12.5°	79.5	83.2	85.7	88.2	91.9	95.6	98.1	101.8	104.3	106.8
0.0	15°	78.2	80.7	84.5	86.9	91.9	96.9	100.6	105.6	110.5	114.3
0.0	17.5°	74.5	79.5	83.2	86.9	91.9	98.1	103.1	108.0	115.5	122.9
0.0	20°	69.5	73.3	78.2	82.0	89.4	95.6	103.1	109.3	120.5	131.6
0.0	22.5°	64.6	69.5	73.3	78.2	86.9	94.4	103.1	110.5	129.2	146.5
0.0	25°	59.6	65.8	70.8	75.8	85.7	95.6	105.6	115.5	146.5	177.6
0.0	27.5°	57.1	62.1	68.3	73.3	85.7	99.4	111.8	124.2	173.9	222.3
0.0	30°	53.4	59.6	64.6	70.8	86.9	103.1	119.2	135.4	211.1	286.9
0.0	32.5°	49.7	55.9	62.1	68.3	89.4	110.5	130.4	151.5	250.9	349.0
0.0	35°	46.0	53.4	59.6	65.8	93.1	121.7	149.0	176.4	286.9	396.2
0.0	37.5°	44.7	52.2	58.4	64.6	94.4	122.9	152.8	181.3	290.6	399.9
0.0	40°	46.0	52.2	59.6	65.8	90.7	115.5	139.1	163.9	278.2	391.2
0.0	42.5°	46.0	53.4	60.9	68.3	88.2	108.0	127.9	147.8	274.5	401.1
0.0	45°	44.7	52.2	59.6	67.1	85.7	103.1	121.7	139.1	296.8	453.3
0.0	47.5°	43.5	50.9	58.4	65.8	84.5	103.1	121.7	140.3	383.8	625.9
0.0	50°	43.5	50.9	57.1	63.3	85.7	109.3	131.6	154.0	558.9	962.5
0.0	52.5°	46.0	52.2	57.1	62.1	88.2	115.5	141.6	167.7	710.4	1251.9
0.0	55°	49.7	53.4	58.4	62.1	94.4	125.4	157.7	188.8	756.3	1323.9
0.0	57.5°	54.6	58.4	62.1	65.8	105.6	145.3	183.8	223.5	760.1	1295.3
0.0	60°	60.9	65.8	69.5	73.3	115.5	159.0	201.2	243.4	688.0	1131.4
0.0	62.5°	74.5	80.7	85.7	91.9	132.9	172.6	213.6	253.4	571.3	889.2
0.0	65°	85.7	90.7	95.6	100.6	140.3	181.3	221.1	260.8	484.3	707.9
0.0	67.5°	88.2	93.1	96.9	101.8	142.8	183.8	223.5	264.5	414.8	563.8
	70°	89.4	95.6	103.1	109.3	151.5	193.7	234.7	276.9	367.6	458.3
	72.5°	85.7	98.1	109.3	120.5	160.2	198.7	238.4	276.9	341.5	406.1
	75°	85.7	103.1	119.2	135.4	165.2	193.7	223.5	252.1	301.8	351.5
	77.5°	90.7	113.0	135.4	157.7	175.1	191.3	208.6	224.8	257.1	289.4
	80°	90.7	114.3	136.6	160.2	167.7	176.4	183.8	191.3	195.0	198.7
	82.5°	78.2	96.9	115.5	134.1	125.4	116.7	108.0	99.4	93.1	85.7
	85°	39.7	43.5	46.0	48.4	44.7	41.0	37.3	33.5	31.0	27.3
	87.5°	16.1	16.1	14.9	14.9	14.9	14.9	13.7	13.7	13.7	13.7
	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: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
72.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.6	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195.0	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
264.5	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
367.6	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
498.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
622.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
706.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
770.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
833.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
957.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1205.9	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1838.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2815.4	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3544.4	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3625.2	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3271.2	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2796.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2185.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1651.8	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1219.6	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
863.1											
642.1											
467.0											
351.5											
197.5											
89.4											
26.1											
12.4											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	93.1	91.9	91.9	90.7	89.4	88.2	86.9	85.7	84.5	83.2
0.0	5°	96.9	96.9	96.9	95.6	95.6	94.4	94.4	93.1	91.9	90.7
0.0	7.5°	100.6	101.8	101.8	103.1	103.1	103.1	103.1	101.8	101.8	101.8
0.0	10°	106.8	108.0	109.3	110.5	111.8	113.0	113.0	114.3	114.3	114.3
0.0	12.5°	114.3	118.0	120.5	124.2	126.7	130.4	132.9	136.6	139.1	141.6
0.0	15°	125.4	131.6	139.1	145.3	151.5	160.2	170.1	178.8	187.5	201.2
0.0	17.5°	141.6	161.4	181.3	199.9	219.8	263.3	306.8	349.0	392.4	455.8
0.0	20°	172.6	232.2	290.6	350.2	408.6	561.3	712.9	865.6	1017.1	1179.8
0.0	22.5°	242.2	388.7	535.3	681.8	828.4	1147.5	1465.5	1784.6	2102.6	2476.4
0.0	25°	351.5	621.0	890.5	1158.7	1428.2	1927.5	2427.9	2927.2	3426.5	3912.0
0.0	27.5°	511.7	924.0	1336.3	1747.4	2159.7	2836.5	3514.6	4191.5	4868.3	5417.2
0.0	30°	709.1	1268.0	1826.9	2385.7	2944.6	3714.6	4484.6	5253.3	6023.3	6623.1
0.0	32.5°	895.4	1579.7	2264.0	2947.1	3631.4	4508.2	5386.2	6263.0	7139.8	7795.5
0.0	35°	1017.1	1844.2	2672.6	3499.7	4326.8	5275.7	6224.5	7172.1	8120.9	8869.8
0.0	37.5°	1138.8	2093.9	3047.7	4002.7	4956.5	5998.5	7040.4	8082.4	9124.4	10049.6
0.0	40°	1275.4	2395.7	3514.6	4634.8	5753.8	6988.3	8221.5	9456.0	10689.2	11994.4
0.0	42.5°	1512.7	2896.2	4280.9	5664.4	7047.9	8681.0	10314.1	11946.0	13579.1	15442.0
0.0	45°	1958.5	3908.3	5859.4	7809.2	9759.0	11922.4	14087.1	16250.5	18413.9	20892.8
0.0	47.5°	3050.2	5732.7	8414.0	11096.5	13777.8	16113.9	18448.7	20784.7	23119.5	25588.5
0.0	50°	4667.1	7789.3	10911.5	14032.4	17154.6	19268.4	21380.9	23494.6	25607.1	27955.6
0.0	52.5°	5837.0	9089.6	12343.4	15596.0	18848.6	20756.2	22665.0	24572.6	26480.2	28674.6
0.0	55°	5925.2	9159.1	12394.3	15628.3	18862.2	20778.5	22694.8	24611.1	26527.4	28853.5
0.0	57.5°	5245.9	8453.7	11660.4	14868.2	18074.9	20256.9	22437.7	24619.8	26800.6	29315.5
0.0	60°	4462.2	7671.3	10879.2	14088.3	17296.2	19809.8	22324.7	24838.4	27352.0	29707.9
0.0	62.5°	3481.1	6782.1	10084.4	13385.4	16686.4	19238.6	21790.7	24341.6	26893.7	28661.0
0.0	65°	2594.4	5799.8	9005.1	12209.3	15414.7	17458.9	19503.1	21546.0	23590.2	24684.4
0.0	67.5°	1875.3	4639.8	7403.1	10167.6	12930.8	14393.8	15856.8	17318.5	18781.5	19618.6
	70°	1268.0	3183.0	5096.8	7011.9	8925.7	10127.8	11331.3	12533.4	13735.6	14865.8
	72.5°	878.0	1953.5	3030.3	4105.8	5181.3	6390.9	7599.3	8808.9	10017.3	11213.3
	75°	582.5	1071.8	1562.3	2051.6	2541.0	3436.4	4333.1	5228.5	6123.9	6836.8
	77.5°	413.6	560.1	707.9	854.4	1001.0	1168.6	1337.5	1505.2	1672.9	1927.5
	80°	196.2	214.9	233.5	250.9	269.5	330.4	391.2	452.1	512.9	577.5
	82.5°	93.1	100.6	108.0	114.3	121.7	127.9	134.1	140.3	146.5	140.3
	85°	24.8	24.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1	24.8
	87.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	9.9	9.9	8.7
	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: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
72.0	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.6	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.8	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216.1	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
517.9	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1343.8	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2850.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4397.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5966.2	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7224.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8452.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9618.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10976.1	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13299.7	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17304.9	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23371.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28057.4	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30304.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30869.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31180.8	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31830.4	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32062.6	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30429.5	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25779.7	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20456.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15994.7											
12409.2											
7549.6											
2182.0											
642.1											
132.9											
23.6											
8.7											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	2.5°	80.7	79.5	78.2	77.0	75.8	73.3	73.3	72.0	72.0
0.0	5°	88.2	86.9	85.7	84.5	84.5	83.2	82.0	82.0	80.7
0.0	7.5°	100.6	99.4	98.1	96.9	96.9	95.6	95.6	94.4	94.4
0.0	10°	115.5	115.5	115.5	115.5	115.5	114.3	114.3	114.3	113.0
0.0	12.5°	145.3	146.5	149.0	151.5	155.2	155.2	155.2	154.0	154.0
0.0	15°	229.8	243.4	253.4	263.3	272.0	291.9	289.4	285.6	283.2
0.0	17.5°	581.2	643.3	676.8	709.1	742.7	834.6	819.7	804.8	791.1
0.0	20°	1506.4	1669.1	1777.2	1885.2	1994.5	2167.1	2124.9	2082.7	2040.5
0.0	22.5°	3222.8	3596.6	3759.3	3922.0	4083.4	4292.1	4156.7	4021.3	3887.2
0.0	25°	4882.0	5367.6	5642.0	5916.5	6189.7	6308.9	6132.6	5955.0	5778.6
0.0	27.5°	6515.1	7064.0	7306.2	7547.1	7789.3	8038.9	7820.4	7600.5	7382.0
0.0	30°	7824.1	8423.9	8686.0	8946.8	9208.8	9382.7	9156.7	8929.4	8703.4
0.0	32.5°	9108.2	9764.0	10050.8	10337.7	10623.4	10873.0	10594.8	10315.4	10037.2
0.0	35°	10366.3	11115.2	11510.1	11905.0	12300.0	12532.2	12201.8	11870.3	11539.9
0.0	37.5°	11901.3	12826.5	13268.7	13710.8	14152.9	14576.4	14212.5	13847.4	13483.5
0.0	40°	14605.0	15910.2	16588.3	17267.6	17945.7	18492.2	18032.6	17573.1	17113.6
0.0	42.5°	19167.8	21030.6	22005.5	22979.2	23954.1	24807.3	24324.2	23841.1	23358.0
0.0	45°	25850.5	28329.4	29517.9	30705.2	31893.7	32517.1	31821.7	31124.9	30429.5
0.0	47.5°	30525.1	32994.0	34052.1	35110.3	36168.4	36880.0	36029.3	35178.6	34329.1
0.0	50°	32651.3	34999.7	36061.6	37122.2	38184.0	38749.1	37766.7	36783.1	35800.8
0.0	52.5°	33062.3	35256.8	36523.6	37791.6	39058.3	39813.4	38653.5	37492.3	36332.3
0.0	55°	33506.9	35833.1	37302.2	38772.7	40241.9	41287.6	39976.1	38663.4	37351.9
0.0	57.5°	34344.0	36858.9	38324.3	39788.6	41254.0	42142.0	40826.8	39510.4	38195.2
0.0	60°	34418.5	36773.2	38032.5	39293.0	40552.3	41111.2	39853.1	38593.8	37335.8
0.0	62.5°	32196.7	33964.0	34838.3	35712.6	36586.9	37194.2	35881.5	34567.5	33254.8
0.0	65°	26873.9	27968.0	28664.7	29361.4	30058.1	30782.2	29580.0	28377.8	27175.6
0.0	67.5°	21293.9	22131.0	23048.8	23966.5	24884.3	25658.0	24695.5	23731.8	22769.3
	70°	17124.8	18253.7	19285.7	20317.8	21349.8	21983.2	21017.0	20049.5	19083.3
	72.5°	13605.2	14801.2	15663.1	16523.7	17385.6	17540.8	16830.5	16120.1	15411.0
	75°	8261.2	8974.1	8991.5	9007.6	9025.0	9172.8	8584.1	7995.5	7408.0
	77.5°	2436.6	2691.2	2901.1	3109.8	3319.6	3573.0	3356.9	3139.6	2923.5
	80°	705.4	770.0	824.6	878.0	932.7	900.4	849.5	798.6	747.6
	82.5°	126.7	119.2	118.0	116.7	116.7	110.5	100.6	90.7	80.7
	85°	22.4	21.1	19.9	18.6	17.4	16.1	13.7	12.4	9.9
	87.5°	7.5	6.2	5.0	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: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0.0	0.0	2.5°	70.8	69.5	69.5	69.5	69.5	68.3	68.3	68.3	68.3
0.0	0.0	5°	78.2	78.2	77.0	77.0	75.8	75.8	74.5	74.5	73.3
0.0	0.0	7.5°	91.9	90.7	89.4	88.2	86.9	84.5	83.2	82.0	82.0
0.0	0.0	10°	110.5	108.0	106.8	104.3	103.1	100.6	98.1	95.6	93.1
0.0	0.0	12.5°	145.3	140.3	136.6	131.6	126.7	122.9	118.0	114.3	109.3
0.0	0.0	15°	252.1	239.7	226.0	209.9	192.5	176.4	159.0	149.0	137.9
0.0	0.0	17.5°	644.6	580.0	514.2	460.8	407.3	355.2	301.8	263.3	224.8
0.0	0.0	20°	1640.6	1461.7	1282.9	1106.5	929.0	752.6	575.0	485.6	396.2
0.0	0.0	22.5°	3087.4	2755.8	2423.0	2101.3	1778.4	1456.8	1135.1	932.7	731.5
0.0	0.0	25°	4765.2	4348.0	3930.7	3401.6	2871.3	2342.3	1813.2	1484.1	1155.0
0.0	0.0	27.5°	6200.9	5720.3	5239.7	4596.3	3953.0	3309.7	2666.4	2175.8	1686.5
0.0	0.0	30°	7444.1	6927.4	6410.8	5661.9	4913.0	4164.2	3415.3	2801.8	2188.3
0.0	0.0	32.5°	8522.0	7903.6	7285.1	6512.6	5740.1	4967.7	4195.2	3442.6	2690.0
0.0	0.0	35°	9765.2	9043.6	8320.9	7463.9	6605.8	5748.8	4891.9	4042.4	3191.7
0.0	0.0	37.5°	11344.9	10459.4	9572.7	8617.7	7662.6	6708.8	5753.8	4782.6	3811.4
0.0	0.0	40°	14369.0	13226.4	12083.9	10870.5	9655.9	8442.6	7229.2	6037.0	4844.7
0.0	0.0	42.5°	19787.5	18243.8	16700.1	15085.6	13469.8	11855.3	10239.6	8558.1	6875.3
0.0	0.0	45°	25902.7	23987.6	22071.4	20259.4	18446.2	16634.2	14822.3	12514.8	10207.3
0.0	0.0	47.5°	29341.6	27273.8	25206.0	23490.9	21775.8	20060.7	18345.6	15858.1	13370.5
0.0	0.0	50°	30607.1	28502.0	26397.0	24818.5	23238.8	21660.3	20080.6	17589.3	15096.8
0.0	0.0	52.5°	30876.6	28729.3	26582.0	24993.6	23405.2	21818.0	20229.6	17754.5	15279.3
0.0	0.0	55°	31430.5	29126.7	26821.7	25011.0	23200.3	21389.6	19578.8	17064.0	14549.1
0.0	0.0	57.5°	32154.5	29792.4	27430.2	25367.4	23304.6	21243.0	19180.2	16430.6	13681.0
0.0	0.0	60°	31964.5	29909.1	27852.5	25643.1	23432.5	21223.1	19012.5	15988.5	12963.1
0.0	0.0	62.5°	28665.9	27029.1	25391.0	23574.1	21755.9	19939.0	18122.1	15008.6	11895.1
0.0	0.0	65°	23582.8	22388.1	21193.3	19731.6	18268.6	16806.9	15345.1	12553.3	9762.7
0.0	0.0	67.5°	19113.1	17766.9	16419.4	15254.5	14088.3	12923.4	11757.2	9560.3	7363.3
		70°	15184.9	13720.7	12255.2	11117.6	9978.8	8841.2	7703.6	6243.1	4783.9
		72.5°	12059.0	10738.9	9418.7	8205.4	6990.8	5777.4	4562.8	3699.7	2836.5
		75°	5763.7	5235.9	4708.1	4073.5	3438.9	2804.3	2169.6	1793.3	1418.3
		77.5°	2136.1	1851.7	1566.1	1307.7	1049.4	792.3	534.0	489.3	444.6
		80°	552.7	481.9	409.8	358.9	306.8	255.8	204.9	185.0	166.4
		82.5°	63.3	58.4	54.6	52.2	48.4	46.0	42.2	38.5	34.8
		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

CANDELA DISTRIBUTION (continued):

PAGE 32 OF 45

REPORT NUMBER: P1048862

CATALOG NUMBER: GALN-SA4B-740-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	72.0	72.0
0.0	0.0	2.5°	67.1	65.8
0.0	0.0	5°	70.8	69.5
0.0	0.0	7.5°	78.2	75.8
0.0	0.0	10°	85.7	83.2
0.0	0.0	12.5°	96.9	93.1
0.0	0.0	15°	109.3	101.8
0.0	0.0	17.5°	130.4	114.3
0.0	0.0	20°	176.4	135.4
0.0	0.0	22.5°	248.4	168.9
0.0	0.0	25°	365.1	233.5
0.0	0.0	27.5°	507.9	310.5
0.0	0.0	30°	675.6	388.7
0.0	0.0	32.5°	823.4	463.2
0.0	0.0	35°	1015.9	539.0
0.0	0.0	37.5°	1253.1	635.9
0.0	0.0	40°	1620.7	782.4
0.0	0.0	42.5°	2282.6	1053.1
0.0	0.0	45°	3707.1	1820.7
0.0	0.0	47.5°	5704.1	3011.7
0.0	0.0	50°	6978.3	3843.7
0.0	0.0	52.5°	7082.7	3837.5
0.0	0.0	55°	6465.4	3411.5
0.0	0.0	57.5°	5516.6	2851.4
0.0	0.0	60°	4585.2	2255.3
0.0	0.0	62.5°	3612.7	1557.4
0.0	0.0	65°	2640.3	1101.6
0.0	0.0	67.5°	1896.4	823.4
		70°	1246.9	630.9
		72.5°	812.2	514.2
		75°	546.4	426.0
		77.5°	319.2	283.2
		80°	113.0	99.4
		82.5°	21.1	14.9
		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: P1048862

CATALOG NUMBER: GALN-SA4B-740-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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

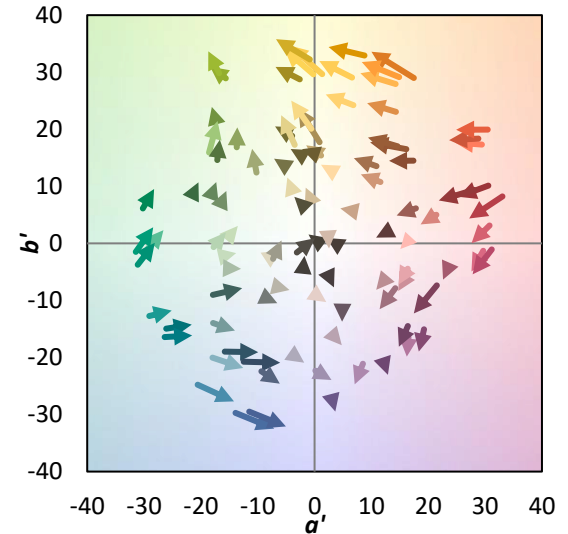
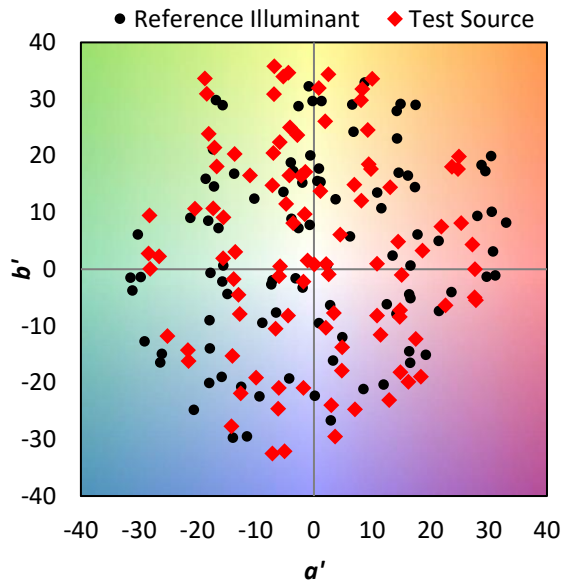
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$



Color Vector Graphics



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

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)