

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: P1048982

Luminaire Tested: **GALN-SA7B-730-U-RBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048982
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-730-U-RBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
70CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27660.5 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

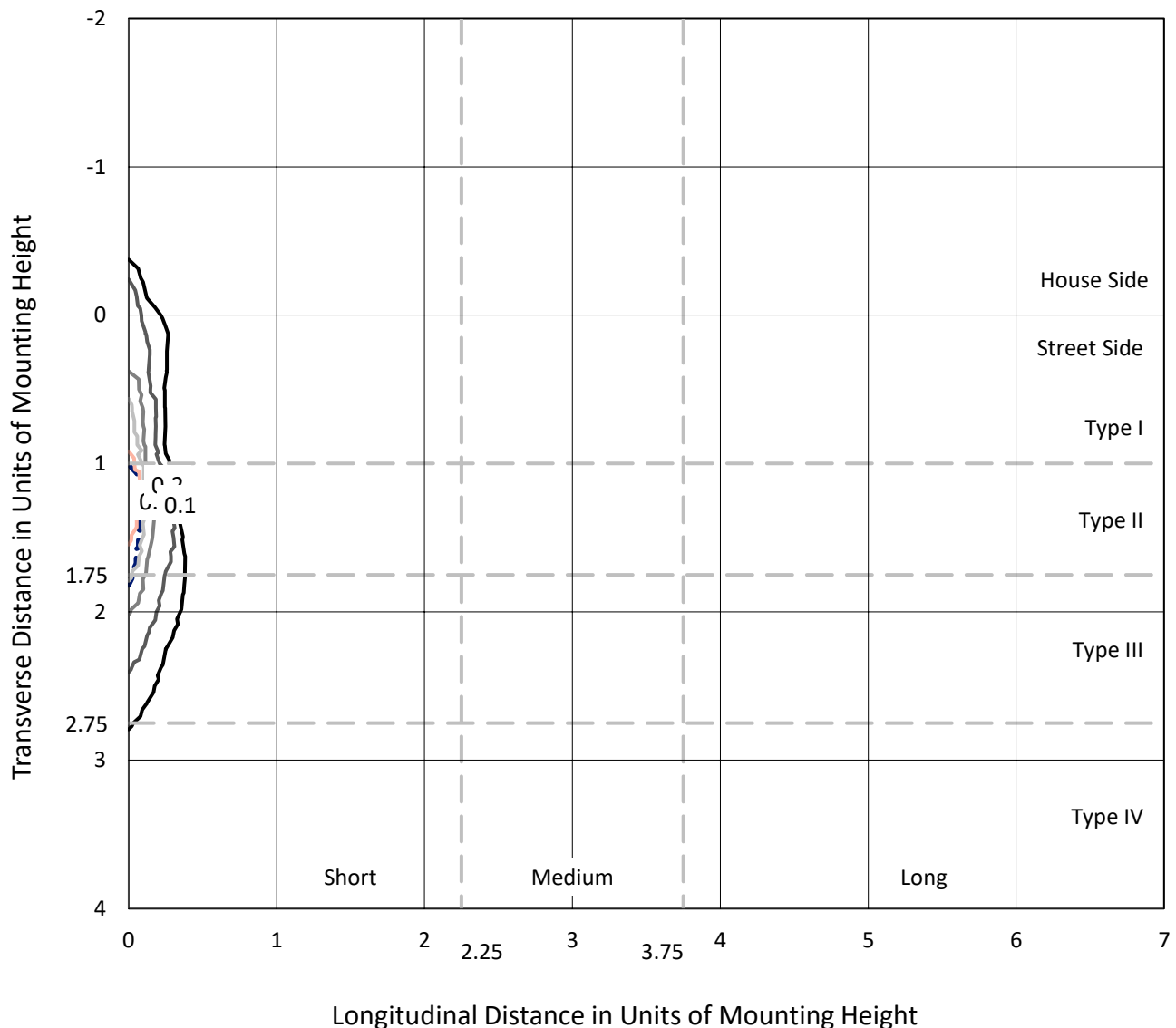
Input Watts (W): 249.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

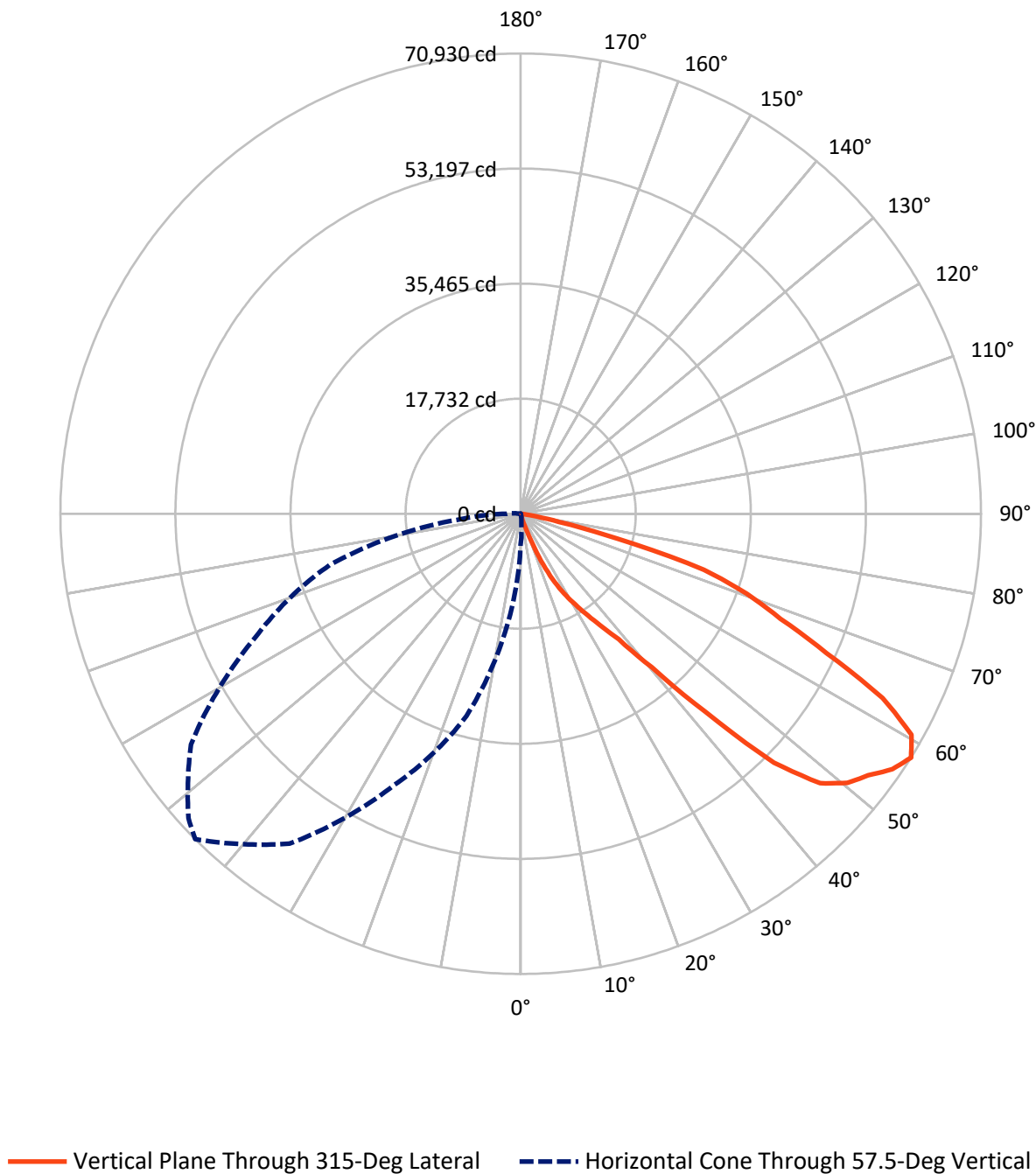


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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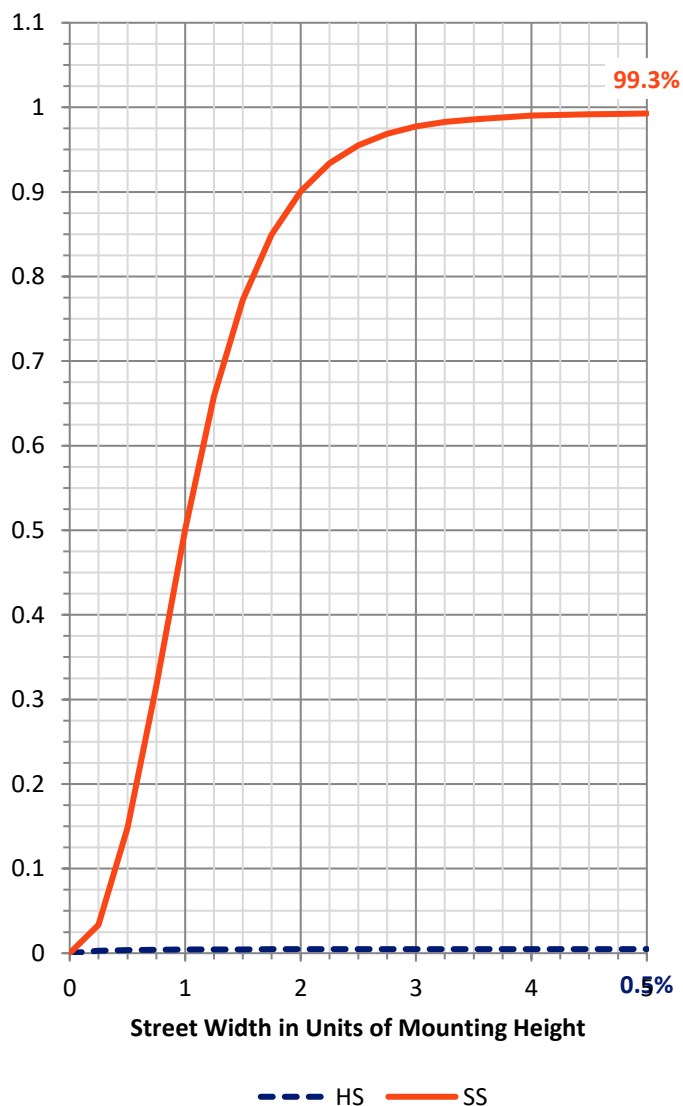
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	138.5	0.0	138.5
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	27522.0	0.0	27522.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	27660.5	0.0	27660.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.0
10°-20°	60.8	0.2
20°-30°	655.5	2.4
30°-40°	1938.5	7.0
40°-50°	5777.2	20.9
50°-60°	9160.5	33.1
60°-70°	7646.8	27.6
70°-80°	2358.0	8.5
80°-90°	52.4	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	27660.5	100.0
0°-180°	27660.5	100.0



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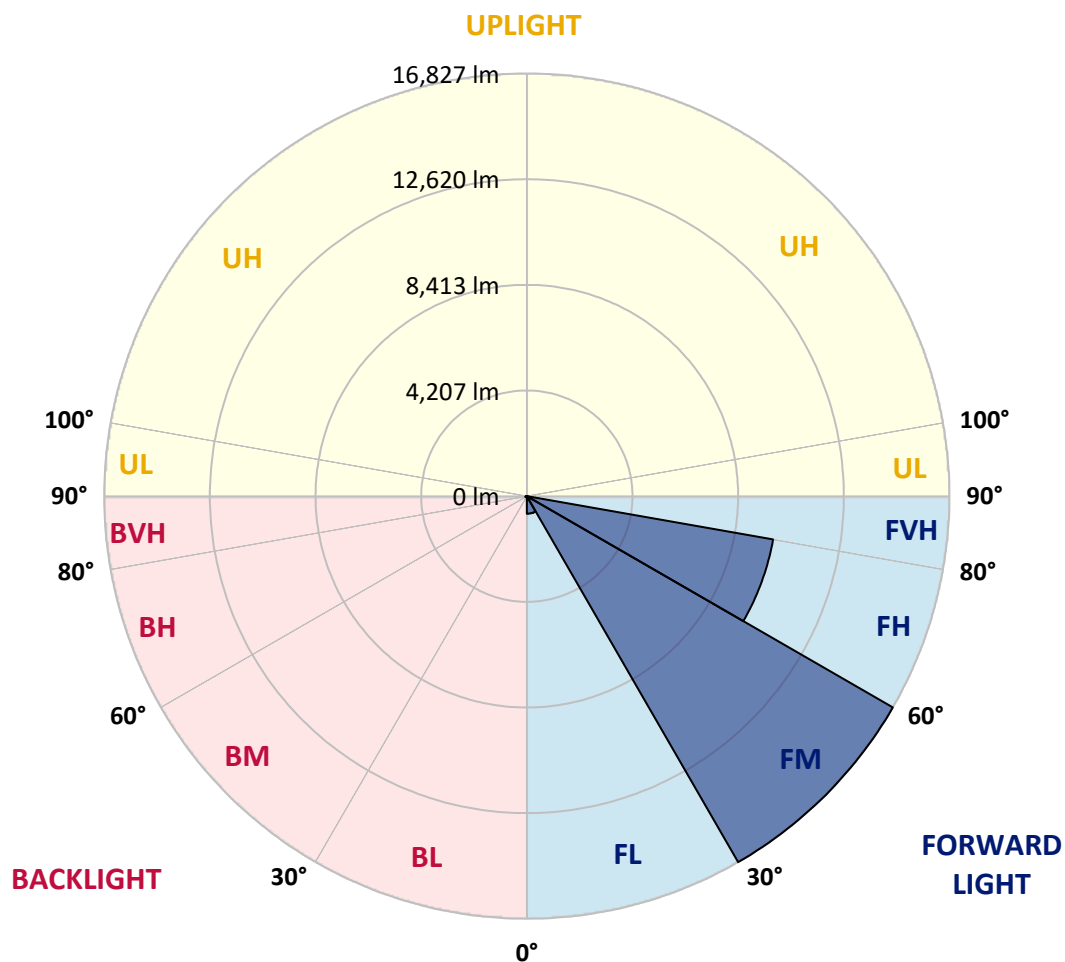
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.7	2.5			
FM	(30°-60°)	16826.7	60.8			
FH	(60°-80°)	9953.1	36.0			G4/12000
FVH	(80°-90°)	40.5	0.1			G1/100
BL	(0°-30°)	25.4	0.1	B0/110		
BM	(30°-60°)	49.5	0.2	B0/220		
BH	(60°-80°)	51.7	0.2	B0/110		G0/110
BVH	(80°-90°)	11.9	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	110.8	110.8	110.8	110.8	108.7	108.7	106.6	106.6	104.5	104.5
5°	117.1	117.1	115.0	112.9	112.9	110.8	108.7	106.6	106.6	104.5
7.5°	127.5	125.4	123.3	121.2	117.1	115.0	110.8	108.7	106.6	102.4
10°	140.0	135.9	131.7	127.5	123.3	119.1	115.0	112.9	108.7	106.6
12.5°	156.8	150.5	142.1	135.9	131.7	125.4	121.2	117.1	110.8	106.6
15°	171.4	163.0	152.6	144.2	138.0	129.6	123.3	117.1	112.9	106.6
17.5°	192.3	177.7	161.0	150.5	142.1	131.7	121.2	115.0	108.7	100.3
20°	227.8	198.6	167.2	154.7	142.1	129.6	117.1	108.7	102.4	94.1
22.5°	284.3	234.1	183.9	165.1	148.4	129.6	112.9	104.5	96.2	87.8
25°	393.0	303.1	213.2	188.1	163.0	138.0	112.9	102.4	94.1	83.6
27.5°	522.6	388.8	252.9	217.4	183.9	148.4	112.9	100.3	89.9	77.3
30°	654.3	476.6	296.8	250.8	204.8	158.9	112.9	98.2	85.7	71.1
32.5°	779.7	558.1	334.4	280.1	225.8	169.3	115.0	98.2	81.5	64.8
35°	907.2	625.0	340.7	284.3	227.8	169.3	112.9	94.1	77.3	58.5
37.5°	1070.2	700.2	328.2	271.7	217.4	161.0	106.6	89.9	73.2	54.3
40°	1316.9	825.7	334.4	275.9	217.4	158.9	100.3	83.6	69.0	52.3
42.5°	1772.6	1068.1	361.6	294.7	227.8	158.9	92.0	77.3	64.8	50.2
45°	3064.4	1774.7	484.9	384.6	284.3	183.9	83.6	71.1	60.6	48.1
47.5°	5068.9	2970.3	871.6	673.1	476.6	278.0	81.5	71.1	60.6	48.1
50°	6469.4	3783.4	1097.4	844.5	591.6	338.6	85.7	73.2	62.7	50.2
52.5°	6459.0	3841.9	1222.8	938.5	656.3	372.1	89.9	77.3	66.9	54.3
55°	5742.0	3495.0	1245.8	957.3	671.0	382.5	96.2	83.6	71.1	58.5
57.5°	4799.3	2968.2	1137.1	880.0	625.0	367.9	110.8	96.2	83.6	69.0
60°	3796.0	2341.1	886.3	700.2	516.3	330.3	146.3	127.5	110.8	92.0
62.5°	2621.2	1697.3	773.4	620.8	470.3	317.7	167.2	148.4	131.7	112.9
65°	1854.1	1277.2	698.2	568.6	441.0	311.5	181.9	161.0	142.1	121.2
67.5°	1385.9	1015.9	643.8	533.0	422.2	311.5	200.7	175.6	152.6	127.5
70°	1061.9	834.0	604.1	514.2	426.4	336.5	246.7	211.1	177.7	142.1
72.5°	865.4	712.8	558.1	493.3	428.5	363.7	298.9	252.9	206.9	158.9
75°	717.0	610.4	503.8	449.4	397.2	342.8	288.5	246.7	206.9	165.1
77.5°	476.6	434.8	390.9	359.5	328.2	294.7	263.4	227.8	194.4	158.9
80°	167.2	161.0	154.7	167.2	179.8	192.3	204.8	179.8	156.8	131.7
82.5°	25.1	23.0	20.9	23.0	25.1	27.2	29.3	31.4	33.4	35.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048982

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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°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	102.4	102.4	100.3	100.3	100.3	98.2	98.2	96.2	96.2	96.2
0.0	5°	100.3	100.3	98.2	96.2	94.1	94.1	92.0	89.9	89.9	87.8
0.0	7.5°	98.2	96.2	94.1	92.0	89.9	87.8	85.7	83.6	83.6	81.5
0.0	10°	100.3	96.2	94.1	89.9	87.8	85.7	81.5	79.4	77.3	77.3
0.0	12.5°	96.2	94.1	89.9	85.7	83.6	79.4	77.3	73.2	71.1	71.1
0.0	15°	96.2	92.0	85.7	81.5	77.3	75.3	71.1	66.9	64.8	62.7
0.0	17.5°	89.9	85.7	79.4	75.3	71.1	66.9	62.7	58.5	56.4	54.3
0.0	20°	81.5	77.3	71.1	64.8	60.6	56.4	52.3	48.1	46.0	43.9
0.0	22.5°	73.2	69.0	62.7	56.4	52.3	48.1	41.8	37.6	35.5	31.4
0.0	25°	69.0	62.7	56.4	50.2	43.9	39.7	33.4	27.2	23.0	18.8
0.0	27.5°	58.5	52.3	46.0	39.7	33.4	27.2	20.9	14.6	10.5	8.4
0.0	30°	50.2	43.9	37.6	31.4	23.0	16.7	10.5	2.1	2.1	2.1
0.0	32.5°	41.8	35.5	27.2	20.9	16.7	10.5	6.3	0.0	0.0	0.0
0.0	35°	33.4	27.2	18.8	12.5	10.5	6.3	4.2	0.0	0.0	0.0
0.0	37.5°	29.3	23.0	14.6	6.3	4.2	4.2	2.1	0.0	0.0	0.0
0.0	40°	27.2	18.8	10.5	2.1	2.1	2.1	0.0	0.0	0.0	0.0
0.0	42.5°	27.2	18.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	27.2	18.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	27.2	18.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	29.3	20.9	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	33.4	25.1	16.7	8.4	6.3	4.2	2.1	0.0	0.0	0.0
0.0	55°	41.8	37.6	31.4	27.2	20.9	14.6	6.3	0.0	0.0	0.0
0.0	57.5°	54.3	54.3	52.3	50.2	37.6	25.1	12.5	0.0	0.0	0.0
0.0	60°	73.2	73.2	73.2	73.2	54.3	37.6	18.8	0.0	0.0	0.0
0.0	62.5°	89.9	85.7	79.4	75.3	56.4	37.6	18.8	0.0	0.0	0.0
0.0	65°	89.9	81.5	71.1	60.6	46.0	31.4	14.6	0.0	0.0	0.0
0.0	67.5°	83.6	66.9	48.1	31.4	23.0	16.7	8.4	0.0	0.0	0.0
	70°	83.6	58.5	33.4	8.4	6.3	4.2	2.1	0.0	0.0	0.0
	72.5°	83.6	56.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75°	92.0	62.7	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	77.5°	92.0	62.7	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80°	81.5	54.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	82.5°	27.2	18.8	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

52.5°		55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	94.1	94.1	94.1	92.0	92.0	92.0	92.0	89.9	89.9	89.9
0.0	5°	85.7	85.7	83.6	83.6	81.5	81.5	79.4	79.4	77.3	77.3
0.0	7.5°	79.4	77.3	77.3	75.3	73.2	73.2	71.1	71.1	69.0	66.9
0.0	10°	73.2	71.1	71.1	69.0	66.9	64.8	64.8	62.7	60.6	58.5
0.0	12.5°	66.9	64.8	62.7	60.6	58.5	56.4	56.4	54.3	52.3	50.2
0.0	15°	58.5	56.4	54.3	52.3	50.2	48.1	48.1	46.0	43.9	41.8
0.0	17.5°	50.2	48.1	48.1	46.0	43.9	41.8	39.7	35.5	33.4	31.4
0.0	20°	37.6	35.5	33.4	31.4	29.3	25.1	23.0	18.8	14.6	12.5
0.0	22.5°	25.1	20.9	18.8	14.6	10.5	8.4	6.3	2.1	0.0	0.0
0.0	25°	8.4	6.3	4.2	2.1	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-SA7B-730-U-RBC

[illegible]



REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

80°		82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	87.8	87.8	87.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7
0.0	5°	75.3	75.3	75.3	73.2	73.2	71.1	71.1	71.1	69.0	69.0
0.0	7.5°	64.8	62.7	62.7	60.6	60.6	58.5	58.5	58.5	56.4	56.4
0.0	10°	54.3	52.3	52.3	50.2	50.2	48.1	48.1	46.0	46.0	43.9
0.0	12.5°	48.1	46.0	43.9	41.8	41.8	39.7	37.6	37.6	35.5	33.4
0.0	15°	37.6	35.5	33.4	31.4	29.3	27.2	25.1	25.1	23.0	20.9
0.0	17.5°	25.1	20.9	18.8	16.7	16.7	14.6	12.5	10.5	8.4	6.3
0.0	20°	6.3	4.2	2.1	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



REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

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REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

107.5°		110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	85.7	83.6	83.6	83.6	85.7	85.7	85.7	85.7	85.7	85.7
0.0	5°	69.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
0.0	7.5°	56.4	54.3	54.3	54.3	54.3	52.3	52.3	52.3	52.3	52.3
0.0	10°	43.9	41.8	41.8	41.8	41.8	39.7	39.7	39.7	39.7	39.7
0.0	12.5°	31.4	31.4	29.3	29.3	29.3	27.2	27.2	27.2	27.2	25.1
0.0	15°	18.8	16.7	14.6	14.6	14.6	12.5	12.5	12.5	12.5	10.5
0.0	17.5°	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

135°		137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	87.8	87.8	89.9	89.9	92.0	96.2	98.2	100.3	104.5	108.7
0.0	5°	69.0	71.1	71.1	73.2	75.3	77.3	79.4	81.5	85.7	89.9
0.0	7.5°	54.3	54.3	56.4	56.4	58.5	62.7	64.8	66.9	71.1	77.3
0.0	10°	41.8	41.8	43.9	43.9	46.0	50.2	52.3	54.3	58.5	64.8
0.0	12.5°	27.2	29.3	29.3	31.4	33.4	37.6	39.7	41.8	46.0	50.2
0.0	15°	12.5	14.6	14.6	16.7	18.8	23.0	25.1	27.2	31.4	37.6
0.0	17.5°	2.1	2.1	4.2	4.2	6.3	8.4	10.5	12.5	18.8	23.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]



REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

162.5°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	115.0	119.1	123.3	127.5	131.7	135.9	138.0	142.1	144.2	146.3
0.0	5°	98.2	102.4	108.7	112.9	117.1	121.2	125.4	127.5	129.6	131.7
0.0	7.5°	85.7	89.9	96.2	100.3	104.5	108.7	112.9	117.1	119.1	121.2
0.0	10°	73.2	79.4	83.6	89.9	94.1	98.2	102.4	106.6	110.8	112.9
0.0	12.5°	58.5	64.8	71.1	75.3	81.5	87.8	92.0	96.2	100.3	104.5
0.0	15°	46.0	52.3	58.5	62.7	69.0	75.3	81.5	85.7	89.9	94.1
0.0	17.5°	33.4	39.7	46.0	50.2	56.4	62.7	66.9	73.2	77.3	81.5
0.0	20°	16.7	23.0	29.3	35.5	41.8	48.1	52.3	58.5	62.7	66.9
0.0	22.5°	2.1	8.4	14.6	18.8	25.1	31.4	35.5	41.8	46.0	50.2
0.0	25°	0.0	2.1	6.3	8.4	10.5	14.6	18.8	23.0	27.2	31.4
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	2.1	4.2	8.4	12.5	16.7
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
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	2.1
	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2
	85°	0.0	0.0	0.0	0.0	0.0	4.2	6.3	10.5	12.5	14.6
	87.5°	0.0	2.1	4.2	6.3	8.4	12.5	16.7	20.9	23.0	25.1
	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: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°
121.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.3	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.8	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.1	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.2	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.8	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.6	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.9	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.3	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0											
0.0											
0.0											
0.0											
2.1											
8.4											
18.8											
27.2											
0.0											
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REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	148.4	148.4	148.4	148.4	146.3	146.3	146.3	144.2	144.2	142.1
0.0	5°	135.9	138.0	138.0	138.0	138.0	138.0	138.0	138.0	135.9	135.9
0.0	7.5°	125.4	127.5	129.6	129.6	131.7	131.7	131.7	129.6	129.6	127.5
0.0	10°	119.1	121.2	121.2	123.3	123.3	123.3	123.3	123.3	123.3	123.3
0.0	12.5°	110.8	112.9	115.0	115.0	117.1	117.1	117.1	117.1	115.0	115.0
0.0	15°	100.3	104.5	106.6	108.7	108.7	110.8	110.8	110.8	110.8	110.8
0.0	17.5°	92.0	96.2	98.2	100.3	100.3	102.4	102.4	104.5	104.5	104.5
0.0	20°	75.3	79.4	81.5	85.7	87.8	89.9	92.0	94.1	94.1	96.2
0.0	22.5°	58.5	62.7	64.8	69.0	71.1	73.2	75.3	77.3	79.4	81.5
0.0	25°	41.8	46.0	48.1	52.3	54.3	56.4	58.5	60.6	60.6	62.7
0.0	27.5°	23.0	27.2	31.4	33.4	37.6	39.7	41.8	43.9	46.0	48.1
0.0	30°	10.5	12.5	14.6	18.8	20.9	23.0	25.1	29.3	31.4	33.4
0.0	32.5°	0.0	0.0	2.1	6.3	8.4	10.5	12.5	14.6	14.6	16.7
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.3	8.4
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°	4.2	4.2	4.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	82.5°	10.5	12.5	14.6	14.6	16.7	16.7	16.7	16.7	14.6	14.6
	85°	20.9	23.0	25.1	25.1	27.2	27.2	27.2	27.2	27.2	27.2
	87.5°	29.3	31.4	33.4	33.4	35.5	35.5	35.5	35.5	35.5	35.5
	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: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°
121.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.1	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.9	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.3	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	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
35.5	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.9	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.2	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.2	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.1	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											
6.3											
14.6											
27.2											
35.5											
0.0											
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REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	140.0	140.0	138.0	138.0	138.0	138.0	138.0	140.0	142.1	142.1
0.0	5°	133.8	133.8	131.7	131.7	131.7	133.8	133.8	135.9	138.0	140.0
0.0	7.5°	127.5	125.4	125.4	127.5	127.5	129.6	129.6	131.7	133.8	135.9
0.0	10°	123.3	121.2	121.2	121.2	123.3	123.3	125.4	127.5	129.6	131.7
0.0	12.5°	115.0	115.0	115.0	115.0	117.1	117.1	119.1	121.2	125.4	127.5
0.0	15°	110.8	108.7	108.7	108.7	108.7	110.8	110.8	115.0	119.1	121.2
0.0	17.5°	102.4	102.4	100.3	100.3	102.4	102.4	104.5	108.7	112.9	115.0
0.0	20°	94.1	92.0	89.9	89.9	92.0	92.0	94.1	98.2	102.4	104.5
0.0	22.5°	81.5	79.4	79.4	79.4	79.4	81.5	81.5	85.7	92.0	96.2
0.0	25°	64.8	66.9	66.9	69.0	69.0	71.1	73.2	77.3	83.6	87.8
0.0	27.5°	50.2	52.3	52.3	56.4	58.5	60.6	62.7	69.0	75.3	79.4
0.0	30°	37.6	39.7	41.8	43.9	48.1	52.3	56.4	62.7	69.0	73.2
0.0	32.5°	23.0	27.2	29.3	33.4	37.6	41.8	46.0	52.3	60.6	66.9
0.0	35°	16.7	18.8	23.0	25.1	29.3	33.4	37.6	46.0	52.3	60.6
0.0	37.5°	8.4	12.5	16.7	20.9	25.1	29.3	33.4	41.8	50.2	56.4
0.0	40°	6.3	10.5	12.5	16.7	23.0	27.2	31.4	39.7	48.1	56.4
0.0	42.5°	4.2	6.3	8.4	14.6	18.8	25.1	31.4	39.7	48.1	56.4
0.0	45°	4.2	4.2	6.3	12.5	18.8	27.2	33.4	41.8	48.1	56.4
0.0	47.5°	4.2	6.3	8.4	16.7	20.9	27.2	33.4	39.7	48.1	54.3
0.0	50°	6.3	8.4	10.5	18.8	23.0	29.3	33.4	41.8	48.1	56.4
0.0	52.5°	4.2	6.3	8.4	16.7	23.0	31.4	37.6	46.0	54.3	60.6
0.0	55°	2.1	2.1	2.1	12.5	25.1	35.5	48.1	54.3	62.7	69.0
0.0	57.5°	0.0	0.0	0.0	8.4	25.1	39.7	54.3	62.7	71.1	77.3
0.0	60°	0.0	0.0	0.0	8.4	25.1	39.7	54.3	64.8	75.3	85.7
0.0	62.5°	0.0	0.0	0.0	8.4	20.9	33.4	46.0	62.7	81.5	98.2
0.0	65°	0.0	0.0	0.0	6.3	16.7	27.2	37.6	62.7	87.8	110.8
0.0	67.5°	0.0	0.0	0.0	6.3	16.7	25.1	35.5	62.7	87.8	115.0
	70°	0.0	0.0	0.0	6.3	16.7	27.2	37.6	62.7	87.8	112.9
	72.5°	0.0	0.0	0.0	6.3	18.8	29.3	41.8	62.7	83.6	104.5
	75°	0.0	0.0	0.0	8.4	18.8	31.4	43.9	62.7	81.5	98.2
	77.5°	0.0	0.0	0.0	6.3	18.8	29.3	41.8	60.6	79.4	96.2
	80°	6.3	4.2	4.2	10.5	18.8	27.2	35.5	54.3	75.3	94.1
	82.5°	12.5	12.5	10.5	14.6	18.8	25.1	31.4	48.1	66.9	83.6
	85°	25.1	25.1	23.0	25.1	25.1	27.2	29.3	37.6	46.0	54.3
	87.5°	33.4	33.4	31.4	31.4	31.4	29.3	29.3	29.3	29.3	27.2
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
121.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.1	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.0	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.8	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.6	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.4	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.3	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.0	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.4	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.9	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.0	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.3	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.7	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.2	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.9	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.0											
125.4											
117.1											
115.0											
112.9											
100.3											
62.7											
27.2											
0.0											
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REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

245°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	146.3	148.4	148.4	150.5	152.6	154.7	154.7	156.8	156.8	156.8
0.0	5°	144.2	148.4	150.5	152.6	154.7	156.8	158.9	161.0	163.0	163.0
0.0	7.5°	142.1	144.2	148.4	150.5	154.7	156.8	161.0	163.0	165.1	167.2
0.0	10°	138.0	142.1	146.3	150.5	154.7	158.9	163.0	167.2	171.4	173.5
0.0	12.5°	133.8	140.0	144.2	148.4	154.7	161.0	165.1	171.4	175.6	179.8
0.0	15°	131.7	135.9	142.1	146.3	154.7	163.0	169.3	177.7	186.0	192.3
0.0	17.5°	125.4	133.8	140.0	146.3	154.7	165.1	173.5	181.9	194.4	206.9
0.0	20°	117.1	123.3	131.7	138.0	150.5	161.0	173.5	183.9	202.8	221.6
0.0	22.5°	108.7	117.1	123.3	131.7	146.3	158.9	173.5	186.0	217.4	246.7
0.0	25°	100.3	110.8	119.1	127.5	144.2	161.0	177.7	194.4	246.7	298.9
0.0	27.5°	96.2	104.5	115.0	123.3	144.2	167.2	188.1	209.0	292.6	374.2
0.0	30°	89.9	100.3	108.7	119.1	146.3	173.5	200.7	227.8	355.3	482.9
0.0	32.5°	83.6	94.1	104.5	115.0	150.5	186.0	219.5	255.0	422.2	587.4
0.0	35°	77.3	89.9	100.3	110.8	156.8	204.8	250.8	296.8	482.9	666.8
0.0	37.5°	75.3	87.8	98.2	108.7	158.9	206.9	257.1	305.2	489.1	673.1
0.0	40°	77.3	87.8	100.3	110.8	152.6	194.4	234.1	275.9	468.2	658.4
0.0	42.5°	77.3	89.9	102.4	115.0	148.4	181.9	215.3	248.7	462.0	675.2
0.0	45°	75.3	87.8	100.3	112.9	144.2	173.5	204.8	234.1	499.6	763.0
0.0	47.5°	73.2	85.7	98.2	110.8	142.1	173.5	204.8	236.2	645.9	1053.5
0.0	50°	73.2	85.7	96.2	106.6	144.2	183.9	221.6	259.2	940.6	1620.0
0.0	52.5°	77.3	87.8	96.2	104.5	148.4	194.4	238.3	282.2	1195.6	2107.0
0.0	55°	83.6	89.9	98.2	104.5	158.9	211.1	265.5	317.7	1273.0	2228.2
0.0	57.5°	92.0	98.2	104.5	110.8	177.7	244.6	309.4	376.3	1279.3	2180.2
0.0	60°	102.4	110.8	117.1	123.3	194.4	267.6	338.6	409.7	1158.0	1904.2
0.0	62.5°	125.4	135.9	144.2	154.7	223.7	290.5	359.5	426.4	961.5	1496.6
0.0	65°	144.2	152.6	161.0	169.3	236.2	305.2	372.1	439.0	815.2	1191.5
0.0	67.5°	148.4	156.8	163.0	171.4	240.4	309.4	376.3	445.2	698.2	949.0
	70°	150.5	161.0	173.5	183.9	255.0	326.1	395.1	466.1	618.7	771.3
	72.5°	144.2	165.1	183.9	202.8	269.6	334.4	401.3	466.1	574.8	683.5
	75°	144.2	173.5	200.7	227.8	278.0	326.1	376.3	424.3	507.9	591.6
	77.5°	152.6	190.2	227.8	265.5	294.7	321.9	351.2	378.3	432.7	487.0
	80°	152.6	192.3	229.9	269.6	282.2	296.8	309.4	321.9	328.2	334.4
	82.5°	131.7	163.0	194.4	225.8	211.1	196.5	181.9	167.2	156.8	144.2
	85°	66.9	73.2	77.3	81.5	75.3	69.0	62.7	56.4	52.3	46.0
	87.5°	27.2	27.2	25.1	25.1	25.1	25.1	23.0	23.0	23.0	23.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°
121.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156.8	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163.0	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.7	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.8	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.7	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.1	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
328.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
445.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
618.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
838.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1047.2	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1189.4	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1296.0	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1402.6	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1611.6	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029.7	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3093.6	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4738.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5965.7	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6101.5	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5505.8	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4707.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3678.9	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2780.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052.7	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1452.7											
1080.7											
785.9											
591.6											
332.4											
150.5											
43.9											
20.9											
0.0											
0.0											
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CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

272.5°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	156.8	154.7	154.7	152.6	150.5	148.4	146.3	144.2	142.1	140.0
0.0	5°	163.0	163.0	163.0	161.0	161.0	158.9	158.9	156.8	154.7	152.6
0.0	7.5°	169.3	171.4	171.4	173.5	173.5	173.5	173.5	171.4	171.4	171.4
0.0	10°	179.8	181.9	183.9	186.0	188.1	190.2	190.2	192.3	192.3	192.3
0.0	12.5°	192.3	198.6	202.8	209.0	213.2	219.5	223.7	229.9	234.1	238.3
0.0	15°	211.1	221.6	234.1	244.6	255.0	269.6	286.4	301.0	315.6	338.6
0.0	17.5°	238.3	271.7	305.2	336.5	370.0	443.1	516.3	587.4	660.5	767.1
0.0	20°	290.5	390.9	489.1	589.5	687.7	944.8	1199.8	1456.9	1711.9	1985.8
0.0	22.5°	407.6	654.3	900.9	1147.6	1394.2	1931.4	2466.5	3003.7	3538.8	4168.0
0.0	25°	591.6	1045.1	1498.7	1950.2	2403.8	3244.1	4086.5	4926.8	5767.1	6584.4
0.0	27.5°	861.2	1555.2	2249.1	2941.0	3635.0	4774.2	5915.5	7054.7	8193.9	9117.8
0.0	30°	1193.6	2134.2	3074.8	4015.4	4956.1	6252.0	7548.0	8841.9	10137.9	11147.5
0.0	32.5°	1507.1	2658.8	3810.6	4960.2	6112.0	7587.7	9065.6	10541.3	12017.0	13120.7
0.0	35°	1711.9	3104.1	4498.3	5890.4	7282.5	8879.5	10476.5	12071.4	13668.4	14928.8
0.0	37.5°	1916.8	3524.2	5129.6	6737.0	8342.3	10096.1	11849.8	13603.6	15357.3	16914.6
0.0	40°	2146.7	4032.2	5915.5	7800.9	9684.3	11762.0	13837.7	15915.4	17991.1	20188.0
0.0	42.5°	2546.0	4874.5	7205.2	9533.8	11862.4	14611.1	17359.8	20106.4	22855.2	25990.6
0.0	45°	3296.4	6578.1	9862.0	13143.7	16425.4	20066.7	23710.1	27351.4	30992.6	35164.8
0.0	47.5°	5133.7	9648.7	14161.7	18676.7	23189.6	27121.4	31051.2	34983.0	38912.7	43068.2
0.0	50°	7855.3	13110.3	18365.2	23618.1	28873.1	32430.7	35986.3	39544.0	43099.5	47052.3
0.0	52.5°	9824.3	15298.8	20775.3	26249.8	31724.2	34934.9	38147.7	41358.3	44569.0	48262.5
0.0	55°	9972.7	15415.8	20861.0	26304.1	31747.2	34972.5	38197.8	41423.1	44648.4	48563.5
0.0	57.5°	8829.4	14228.6	19625.7	25024.9	30422.0	34094.6	37765.1	41437.8	45108.3	49341.1
0.0	60°	7510.4	12911.7	18310.9	23712.2	29111.4	33342.1	37574.9	41805.7	46036.4	50001.7
0.0	62.5°	5859.1	11415.0	16973.1	22529.1	28085.0	32380.6	36676.1	40969.5	45265.1	48239.5
0.0	65°	4366.6	9761.6	15156.6	20549.6	25944.6	29385.2	32825.8	36264.3	39704.9	41546.5
0.0	67.5°	3156.3	7809.3	12460.2	17113.1	21764.0	24226.4	26688.7	29149.0	31611.3	33020.2
	70°	2134.2	5357.4	8578.5	11801.7	15022.9	17046.3	19071.7	21095.1	23118.5	25020.7
	72.5°	1477.8	3288.0	5100.3	6910.5	8720.7	10756.6	12790.4	14826.4	16860.2	18873.2
	75°	980.3	1803.9	2629.6	3453.1	4276.7	5783.8	7293.0	8800.1	10307.2	11507.0
	77.5°	696.1	942.7	1191.5	1438.1	1684.8	1967.0	2251.2	2533.4	2815.6	3244.1
	80°	330.3	361.6	393.0	422.2	453.6	556.0	658.4	760.9	863.3	972.0
	82.5°	156.8	169.3	181.9	192.3	204.8	215.3	225.8	236.2	246.7	236.2
	85°	41.8	41.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	41.8
	87.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	16.7	16.7	14.6
	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

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CANDELA DISTRIBUTION (continued):

300°		275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°
121.2	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.0	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.5	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.3	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194.4	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.4	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363.7	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
871.6	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2261.7	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4797.2	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7401.7	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10041.7	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12159.2	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14226.5	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16189.2	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18473.9	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22384.8	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29126.0	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39337.0	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47223.7	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51005.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51956.1	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52480.7	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53573.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53964.8	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51216.1	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43390.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34431.1	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26920.8											
20886.1											
12706.8											
3672.6											
1080.7											
223.7											
39.7											
14.6											
0.0											
0.0											
0.0											
0.0											
0.0											
0.0											
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0.0											

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CANDELA DISTRIBUTION (continued):

300°		302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°
0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	2.5°	135.9	133.8	131.7	129.6	127.5	123.3	123.3	121.2	121.2
0.0	5°	148.4	146.3	144.2	142.1	142.1	140.0	138.0	138.0	135.9
0.0	7.5°	169.3	167.2	165.1	163.0	163.0	161.0	161.0	158.9	158.9
0.0	10°	194.4	194.4	194.4	194.4	194.4	192.3	192.3	192.3	190.2
0.0	12.5°	244.6	246.7	250.8	255.0	261.3	261.3	261.3	259.2	259.2
0.0	15°	386.7	409.7	426.4	443.1	457.8	491.2	487.0	480.8	476.6
0.0	17.5°	978.3	1082.8	1139.2	1193.6	1250.0	1404.7	1379.6	1354.5	1331.5
0.0	20°	2535.5	2809.3	2991.2	3173.0	3357.0	3647.5	3576.5	3505.4	3434.3
0.0	22.5°	5424.3	6053.5	6327.3	6601.1	6872.8	7224.0	6996.2	6768.3	6542.6
0.0	25°	8216.9	9034.2	9496.2	9958.1	10418.0	10618.6	10321.8	10022.9	9726.1
0.0	27.5°	10965.6	11889.5	12297.1	12702.6	13110.3	13530.4	13162.5	12792.5	12424.6
0.0	30°	13168.8	14178.4	14619.4	15058.4	15499.4	15792.1	15411.7	15029.1	14648.7
0.0	32.5°	15330.1	16433.8	16916.7	17399.5	17880.3	18300.4	17832.2	17361.9	16893.7
0.0	35°	17447.6	18708.0	19372.7	20037.5	20702.2	21093.0	20537.0	19978.9	19422.9
0.0	37.5°	20031.2	21588.4	22332.6	23076.7	23820.9	24533.6	23921.2	23306.7	22694.2
0.0	40°	24581.7	26778.6	27919.9	29063.3	30204.6	31124.3	30350.9	29577.5	28804.1
0.0	42.5°	32261.4	35396.8	37037.7	38676.5	40317.4	41753.4	40940.3	40127.2	39314.0
0.0	45°	43509.2	47681.4	49681.8	51680.2	53680.6	54729.9	53559.3	52386.7	51216.1
0.0	47.5°	51377.1	55532.5	57313.5	59094.4	60875.3	62073.0	60641.2	59209.4	57779.6
0.0	50°	54955.6	58908.3	60695.5	62480.6	64267.8	65218.9	63565.5	61910.0	60256.6
0.0	52.5°	55647.5	59341.0	61473.1	63607.3	65739.4	67010.3	65058.0	63103.5	61151.2
0.0	55°	56395.8	60310.9	62783.7	65258.6	67731.4	69491.5	67284.1	65074.7	62867.3
0.0	57.5°	57804.7	62037.5	64504.0	66968.5	69435.0	70929.6	68716.0	66500.3	64286.6
0.0	60°	57930.1	61893.3	64012.8	66134.5	68254.0	69194.6	67077.2	64957.6	62840.2
0.0	62.5°	54190.6	57165.1	58636.6	60108.2	61579.7	62601.9	60392.5	58180.9	55971.5
0.0	65°	45231.6	47073.2	48245.8	49418.5	50591.1	51809.7	49786.4	47763.0	45739.6
0.0	67.5°	35840.0	37248.8	38793.6	40338.3	41883.0	43185.2	41565.3	39943.2	38323.2
	70°	28822.9	30723.0	32460.0	34197.0	35934.1	37000.1	35373.9	33745.5	32119.3
	72.5°	22899.0	24912.0	26362.6	27811.2	29261.9	29523.2	28327.5	27131.9	25938.3
	75°	13904.6	15104.4	15133.6	15160.8	15190.1	15438.8	14448.0	13457.2	12468.5
	77.5°	4101.1	4529.6	4882.9	5234.1	5587.3	6013.7	5650.0	5284.2	4920.5
	80°	1187.3	1296.0	1387.9	1477.8	1569.8	1515.5	1429.8	1344.1	1258.4
	82.5°	213.2	200.7	198.6	196.5	196.5	186.0	169.3	152.6	135.9
	85°	37.6	35.5	33.4	31.4	29.3	27.2	23.0	20.9	16.7
	87.5°	12.5	10.5	8.4	6.3	6.3	2.1	2.1	2.1	0.0
	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):[illegible]



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CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

325°	327.5°		330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°
0.0	0.0	0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
0.0	0.0	2.5°	119.1	117.1	117.1	117.1	117.1	115.0	115.0	115.0	115.0
0.0	0.0	5°	131.7	131.7	129.6	129.6	127.5	127.5	125.4	125.4	123.3
0.0	0.0	7.5°	154.7	152.6	150.5	148.4	146.3	142.1	140.0	138.0	138.0
0.0	0.0	10°	186.0	181.9	179.8	175.6	173.5	169.3	165.1	161.0	156.8
0.0	0.0	12.5°	244.6	236.2	229.9	221.6	213.2	206.9	198.6	192.3	183.9
0.0	0.0	15°	424.3	403.4	380.4	353.3	324.0	296.8	267.6	250.8	232.0
0.0	0.0	17.5°	1084.9	976.2	865.4	775.5	685.6	597.8	507.9	443.1	378.3
0.0	0.0	20°	2761.3	2460.3	2159.3	1862.4	1563.5	1266.7	967.8	817.3	666.8
0.0	0.0	22.5°	5196.4	4638.3	4078.1	3536.8	2993.3	2451.9	1910.5	1569.8	1231.2
0.0	0.0	25°	8020.4	7318.1	6615.7	5725.3	4832.7	3942.3	3051.8	2497.9	1944.0
0.0	0.0	27.5°	10436.8	9627.8	8818.9	7736.1	6653.4	5570.6	4487.8	3662.2	2838.6
0.0	0.0	30°	12529.2	11659.6	10790.0	9529.6	8269.2	7008.7	5748.3	4715.7	3683.1
0.0	0.0	32.5°	14343.5	13302.6	12261.6	10961.4	9661.3	8361.1	7061.0	5794.3	4527.6
0.0	0.0	35°	16435.9	15221.4	14004.9	12562.6	11118.2	9675.9	8233.6	6803.9	5372.0
0.0	0.0	37.5°	19094.7	17604.4	16111.9	14504.5	12897.0	11291.7	9684.3	8049.7	6415.1
0.0	0.0	40°	24184.6	22261.5	20338.5	18296.2	16251.9	14209.7	12167.5	10160.9	8154.2
0.0	0.0	42.5°	33304.5	30706.3	28108.0	25390.7	22671.2	19953.8	17234.4	14404.1	11571.8
0.0	0.0	45°	43597.0	40373.8	37148.5	34098.8	31047.0	27997.2	24947.5	21063.8	17180.0
0.0	0.0	47.5°	49385.0	45904.7	42424.4	39537.7	36651.0	33764.3	30877.7	26690.8	22504.0
0.0	0.0	50°	51515.0	47972.0	44429.0	41772.2	39113.4	36456.6	33797.8	29604.7	25409.5
0.0	0.0	52.5°	51968.6	48354.5	44740.4	42066.9	39393.5	36722.1	34048.6	29882.7	25716.7
0.0	0.0	55°	52900.9	49023.4	45143.8	42096.2	39048.6	36000.9	32953.3	28720.5	24487.7
0.0	0.0	57.5°	54119.5	50143.8	46168.1	42696.1	39224.2	35754.3	32282.3	27654.4	23026.6
0.0	0.0	60°	53799.7	50340.3	46878.8	43160.2	39439.5	35720.8	32000.1	26910.3	21818.4
0.0	0.0	62.5°	48247.9	45492.9	42735.8	39677.7	36617.6	33559.5	30501.4	25261.1	20020.7
0.0	0.0	65°	39692.4	37681.5	35670.7	33210.4	30748.1	28287.8	25827.5	21128.6	16431.7
0.0	0.0	67.5°	32169.5	29903.6	27635.6	25674.9	23712.2	21751.5	19788.7	16091.0	12393.3
		70°	25557.9	23093.4	20626.9	18712.2	16795.4	14880.7	12966.0	10507.9	8051.8
		72.5°	20296.6	18074.7	15852.7	13810.5	11766.2	9724.0	7679.7	6227.0	4774.2
		75°	9701.0	8812.6	7924.3	6856.1	5788.0	4719.9	3651.7	3018.4	2387.1
		77.5°	3595.3	3116.6	2635.8	2201.1	1766.3	1333.6	898.8	823.6	748.3
		80°	930.2	811.0	689.8	604.1	516.3	430.6	344.9	311.5	280.1
		82.5°	106.6	98.2	92.0	87.8	81.5	77.3	71.1	64.8	58.5
		85°	6.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

[illegible]

REPORT NUMBER: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

352.5°	355°		357.5°	360°
0.0	0.0	0°	121.2	121.2
0.0	0.0	2.5°	112.9	110.8
0.0	0.0	5°	119.1	117.1
0.0	0.0	7.5°	131.7	127.5
0.0	0.0	10°	144.2	140.0
0.0	0.0	12.5°	163.0	156.8
0.0	0.0	15°	183.9	171.4
0.0	0.0	17.5°	219.5	192.3
0.0	0.0	20°	296.8	227.8
0.0	0.0	22.5°	418.1	284.3
0.0	0.0	25°	614.5	393.0
0.0	0.0	27.5°	854.9	522.6
0.0	0.0	30°	1137.1	654.3
0.0	0.0	32.5°	1385.9	779.7
0.0	0.0	35°	1709.9	907.2
0.0	0.0	37.5°	2109.1	1070.2
0.0	0.0	40°	2727.8	1316.9
0.0	0.0	42.5°	3841.9	1772.6
0.0	0.0	45°	6239.5	3064.4
0.0	0.0	47.5°	9600.7	5068.9
0.0	0.0	50°	11745.3	6469.4
0.0	0.0	52.5°	11920.9	6459.0
0.0	0.0	55°	10882.0	5742.0
0.0	0.0	57.5°	9285.0	4799.3
0.0	0.0	60°	7717.3	3796.0
0.0	0.0	62.5°	6080.6	2621.2
0.0	0.0	65°	4443.9	1854.1
0.0	0.0	67.5°	3191.9	1385.9
		70°	2098.6	1061.9
		72.5°	1367.0	865.4
		75°	919.7	717.0
		77.5°	537.2	476.6
		80°	190.2	167.2
		82.5°	35.5	25.1
		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: P1048982

CATALOG NUMBER: GALN-SA7B-730-U-RBC

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

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

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2407-184-4

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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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Scotopic Flux vs. Wavelength



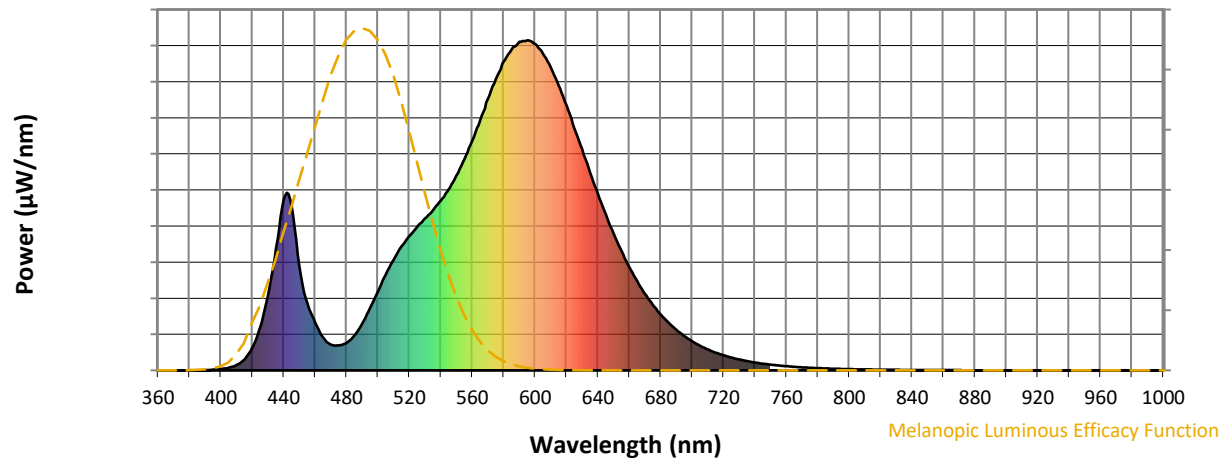
Scotopic Lumens: NR

S/P: 1.19

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

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

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

REPORT NUMBER: SP1-2407-184-4

TM-30-18

Summary

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



Color Vector Graphics

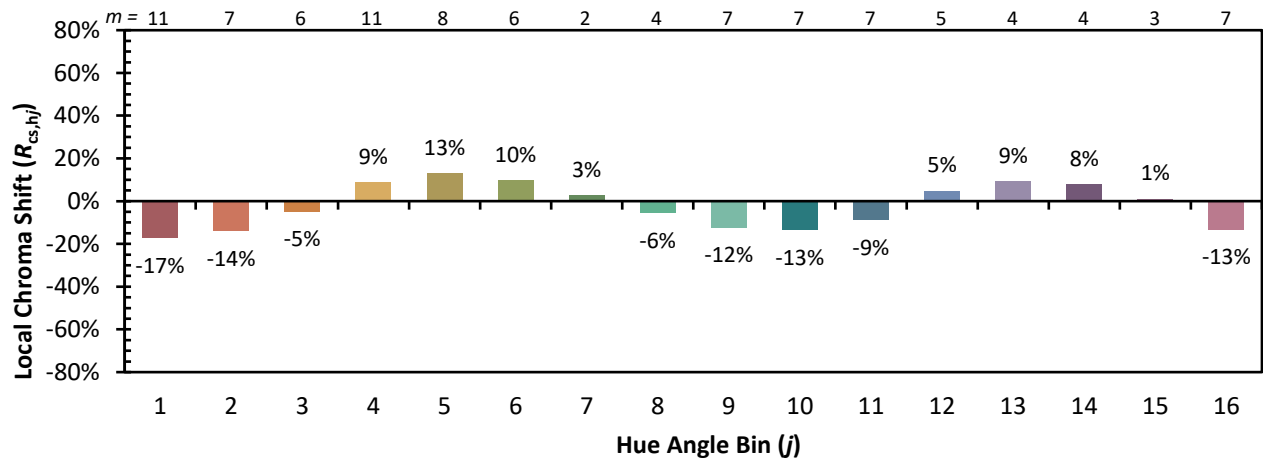


Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)