

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: P530809

Luminaire Tested: **GALN-SA6A-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-740-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14992 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

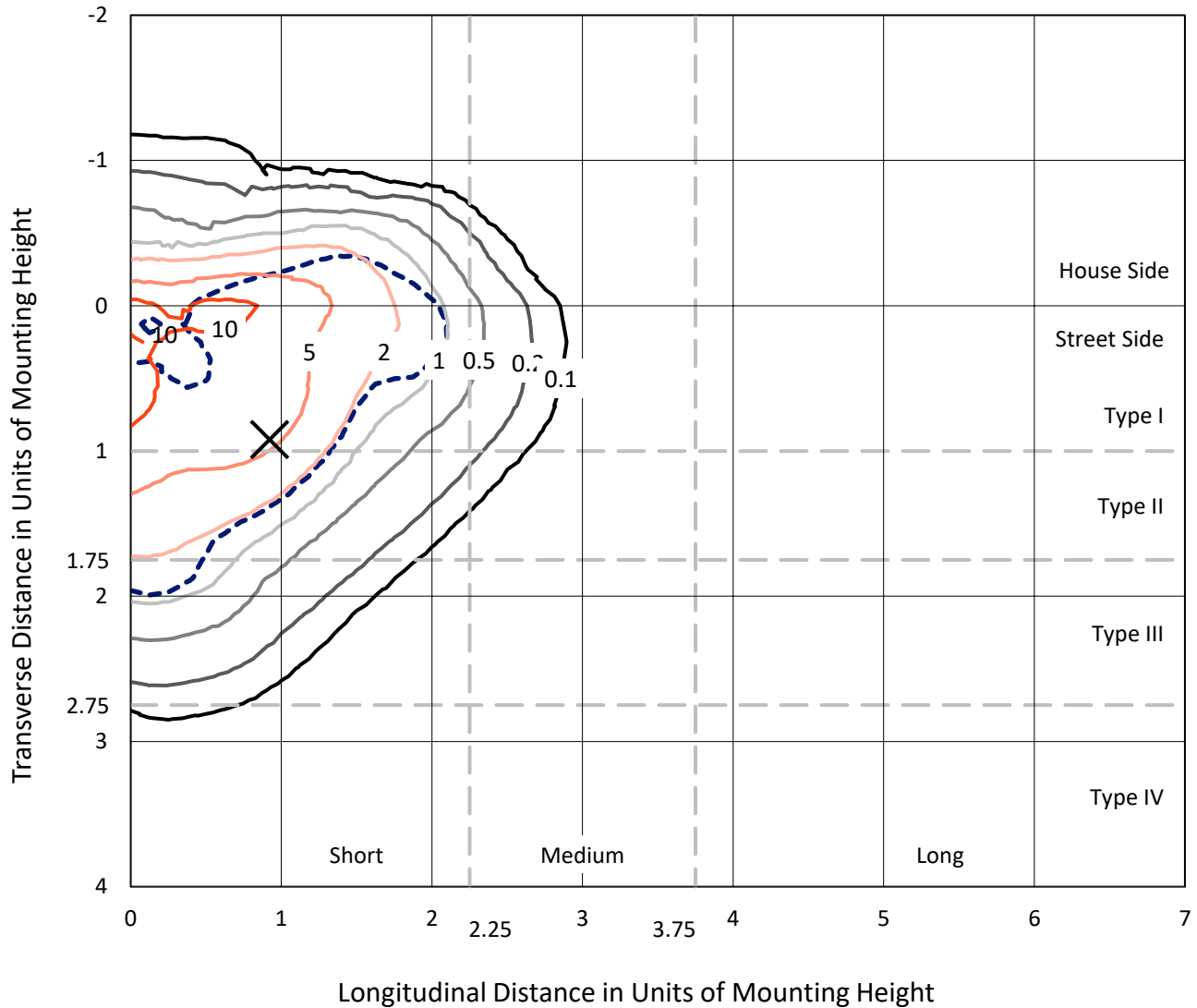
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

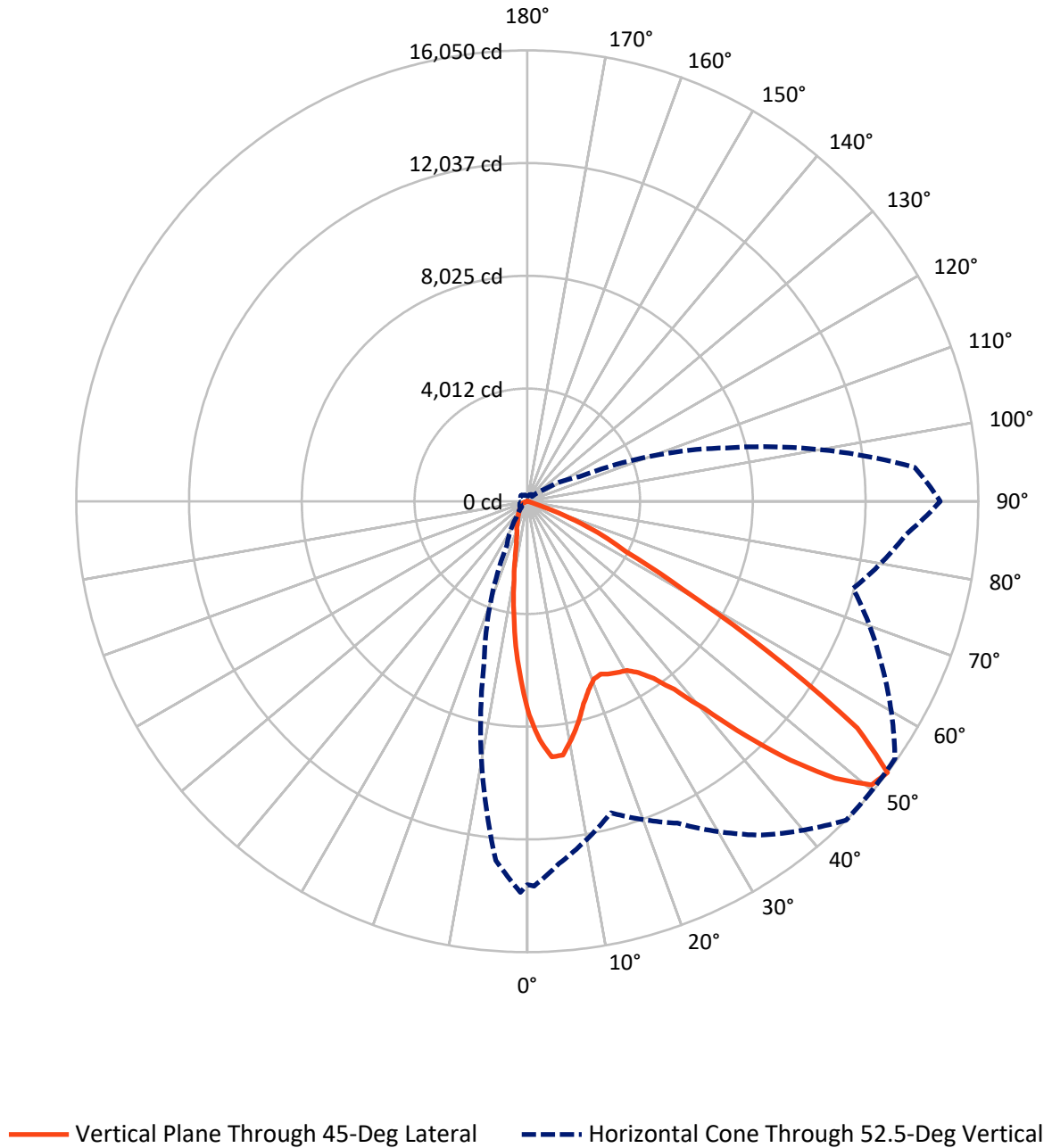
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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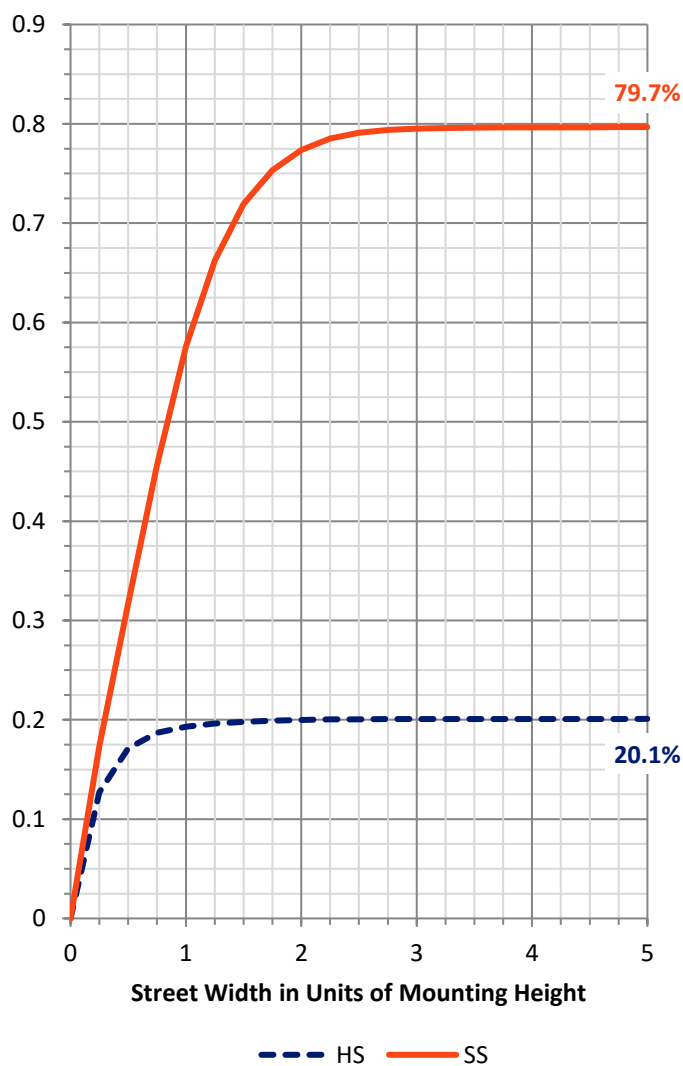
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3042.6	0.0	3042.6
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	11949.4	0.0	11949.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	14992.0	0.0	14992.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	554.4	3.7
10°-20°	1093.8	7.3
20°-30°	1664.5	11.1
30°-40°	2487.8	16.6
40°-50°	3542.9	23.6
50°-60°	3808.5	25.4
60°-70°	1687.6	11.3
70°-80°	136.5	0.9
80°-90°	15.9	0.1
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°	14992.0	100.0
0°-180°	14992.0	100.0

**Coefficient of Utilization**



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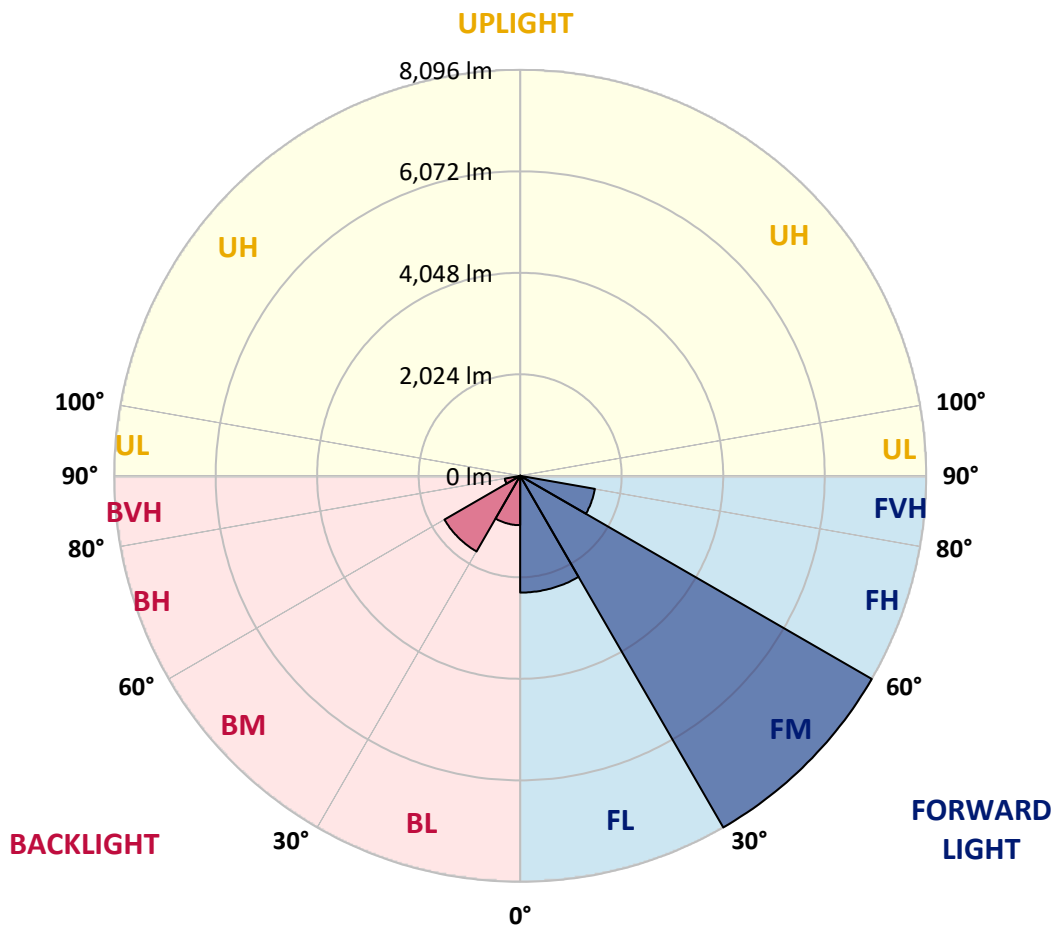
CATALOG NUMBER: GALN-SA6A-740-U-SLL-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2328.6	15.5			
FM (30°-60°)	8096.1	54.0			
FH (60°-80°)	1512.9	10.1			G1/1800
FVH (80°-90°)	11.8	0.1			G1/100
BL (0°-30°)	984.1	6.6	B2/1000		
BM (30°-60°)	1743.1	11.6	B2/2500		
BH (60°-80°)	311.3	2.1	B1/500		G1/500
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	8043.9	8067.5	8197.3	8359.4	8445.0	8639.6	8503.9	8539.3	8465.6	8206.1	8002.7
5°	7799.2	7796.3	7961.4	8362.4	8742.8	9129.0	9140.8	8934.4	8571.7	8173.7	7604.6
7.5°	7062.0	7177.0	7348.1	7987.9	8692.6	8981.6	9120.2	8878.4	8321.1	7752.0	7135.8
10°	6504.7	6563.7	6852.7	7625.2	8141.2	8527.5	8613.0	8474.4	8046.9	7336.3	6646.3
12.5°	6183.3	6212.8	6551.9	7200.6	7746.1	8032.1	8073.4	8138.3	7831.6	7165.2	6336.7
15°	6186.3	6209.9	6666.9	7209.5	7424.7	7348.1	7483.7	7480.7	7613.4	7132.8	6596.1
17.5°	6631.5	6658.1	7070.9	7339.2	7244.9	7065.0	7056.1	7191.8	7471.9	7536.8	6988.3
20°	7398.2	7460.1	7763.8	7749.1	7218.3	6855.6	6755.4	6858.6	7510.2	7878.8	7778.6
22.5°	8430.2	8515.7	8728.0	8321.1	7339.2	6714.1	6681.7	6882.2	7763.8	8642.5	8675.0
25°	9627.4	9771.9	9875.1	9353.1	7769.7	6958.8	6805.5	7150.5	8105.9	9471.1	9816.1
27.5°	10420.6	10570.9	10547.4	9801.3	8058.7	7023.7	6894.0	7215.4	8403.7	9668.7	10411.7
30°	11039.8	11131.2	11296.3	10043.1	8347.7	7206.5	6985.4	7489.6	8501.0	10010.7	11131.2
32.5°	11762.2	11824.1	11835.9	10470.7	8792.9	7436.5	7268.4	7831.6	8931.5	10338.0	11768.1
35°	12490.5	12581.9	12390.3	10998.5	9067.1	7864.1	7740.2	8424.3	9276.5	10677.1	12469.9
37.5°	13280.8	13327.9	12885.6	11216.7	9459.3	8560.0	8492.1	9064.2	9875.1	11290.4	13248.3
40°	13944.2	13988.4	13413.4	11485.0	9872.1	9533.0	9707.0	10284.9	10688.9	11688.5	13637.5
42.5°	14312.8	14416.0	13590.4	11337.6	10700.7	10635.8	11408.4	11611.8	11632.5	11800.5	13985.5
45°	14413.0	14365.9	13298.4	11458.5	11426.1	12449.2	13151.0	13419.3	12570.1	12006.9	14073.9
47.5°	13950.1	14012.0	12867.9	11352.3	12378.5	13823.3	14731.5	15229.8	13269.0	11827.1	13855.7
50°	13575.6	13496.0	12729.4	11275.7	12635.0	14472.0	15872.6	15984.7	13911.8	12048.2	13616.9
52.5°	13649.3	13699.5	12950.5	11479.1	12640.9	14510.3	16049.5	15972.9	13932.4	11998.1	13531.4
55°	13805.6	13584.5	12856.1	11030.9	11794.6	13440.0	14245.0	14127.0	12859.1	11464.4	13322.0
57.5°	11912.6	12254.6	11821.2	9848.5	9680.4	10125.7	10110.9	10473.6	9592.0	9866.2	12127.8
60°	9668.7	9727.6	9889.8	8424.3	6699.4	6546.0	6333.7	6103.7	6454.6	8436.1	11030.9
62.5°	8503.9	8433.2	9011.1	7663.6	4729.6	3960.0	3924.7	4066.2	4980.3	8046.9	10346.8
65°	6180.4	6268.8	6687.6	5947.4	3550.2	3022.4	2969.3	3388.0	4030.8	6448.7	7896.5
67.5°	3774.3	3945.3	3983.6	3668.1	2409.1	1913.7	1837.0	2217.4	2910.3	4172.4	4629.4
70°	1742.7	1949.1	2143.7	2002.1	1394.7	787.3	743.1	931.8	1468.4	2400.2	2456.2
72.5°	527.8	530.8	743.1	775.5	451.1	176.9	156.3	206.4	498.3	793.2	834.5
75°	38.3	41.3	100.3	115.0	85.5	44.2	47.2	56.0	106.2	176.9	132.7
77.5°	2.9	2.9	2.9	14.7	26.5	29.5	38.3	44.2	56.0	64.9	59.0
80°	2.9	0.0	2.9	11.8	20.6	29.5	35.4	41.3	44.2	50.1	44.2
82.5°	0.0	0.0	0.0	8.8	20.6	29.5	32.4	44.2	50.1	59.0	50.1
85°	0.0	0.0	0.0	8.8	20.6	32.4	29.5	14.7	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	8038.0	7923.0	7660.6	7527.9	7215.4	7171.1	6864.5	6814.3	6711.1	6655.1	6519.5
5°	7354.0	7215.4	6787.8	6428.1	6009.4	5717.4	5493.4	5289.9	5171.9	5062.8	5113.0
7.5°	6796.7	6392.7	5918.0	5316.4	4832.9	4520.3	4178.2	3898.1	3733.0	3621.0	3647.5
10°	6212.8	5950.4	5289.9	4614.7	4030.8	3809.7	3541.3	3326.1	3093.1	2892.6	2798.3
12.5°	6030.0	5640.8	4812.2	4125.2	3682.9	3467.6	3161.0	2913.3	2615.5	2370.7	2285.2
15°	6062.4	5688.0	4682.5	3948.3	3426.3	3054.8	2689.2	2382.5	2055.2	1884.2	1795.7
17.5°	6590.3	5941.5	4768.0	3762.5	3069.6	2553.5	2102.4	1713.2	1468.4	1291.5	1253.2
20°	7239.0	6490.0	4950.8	3626.8	2777.6	2031.6	1536.3	1200.1	996.6	967.2	958.3
22.5°	8188.4	7386.4	5343.0	3535.4	2420.8	1583.4	1052.7	872.8	816.8	810.9	813.8
25°	9515.3	8509.8	5770.5	3458.8	2152.5	1220.7	861.0	740.1	722.4	713.6	728.3
27.5°	10090.3	9188.0	5997.6	3293.7	1907.8	1099.8	849.2	734.2	684.1	669.3	678.2
30°	10800.9	9639.2	6354.4	3010.6	1548.0	905.2	793.2	799.1	775.5	701.8	678.2
32.5°	11744.5	10202.4	6534.2	2810.1	1382.9	749.0	580.9	533.7	595.6	607.4	628.1
35°	12349.0	10774.4	6625.6	2692.1	1297.4	639.9	492.4	448.2	433.5	436.4	448.2
37.5°	13472.4	11546.9	6740.6	2568.3	1232.5	557.3	445.2	404.0	383.3	383.3	395.1
40°	14144.7	12160.3	6896.9	2500.5	1167.7	507.2	404.0	368.6	350.9	350.9	356.8
42.5°	14312.8	12464.0	6843.8	2476.9	1094.0	495.4	368.6	342.0	321.4	318.5	315.5
45°	14613.6	12926.9	6852.7	2450.3	1017.3	451.1	347.9	318.5	289.0	286.0	283.1
47.5°	14943.8	13260.1	6870.4	2347.1	943.6	377.4	362.7	294.9	259.5	253.6	253.6
50°	14660.7	13525.5	7023.7	2243.9	849.2	306.7	356.8	277.2	230.0	221.1	224.1
52.5°	14696.1	13838.1	7348.1	2099.4	731.3	244.7	289.0	262.4	209.4	194.6	197.6
55°	14130.0	13507.8	7392.3	1946.1	572.0	188.7	221.1	230.0	176.9	171.0	171.0
57.5°	12163.2	11437.8	6522.4	1577.5	377.4	156.3	159.2	200.5	153.3	147.4	150.4
60°	10408.8	9182.1	5248.6	1040.9	235.9	123.8	115.0	203.5	135.6	132.7	141.5
62.5°	9488.8	7545.6	3980.7	645.8	162.2	94.4	79.6	165.1	117.9	117.9	129.7
65°	6855.6	5068.7	2314.7	339.1	115.0	73.7	59.0	94.4	97.3	100.3	106.2
67.5°	4246.1	2559.4	976.0	165.1	76.7	50.1	38.3	59.0	64.9	64.9	70.8
70°	2096.5	1020.2	324.4	94.4	59.0	41.3	26.5	32.4	32.4	29.5	32.4
72.5°	648.7	306.7	82.6	59.0	41.3	26.5	14.7	11.8	5.9	0.0	2.9
75°	73.7	59.0	53.1	41.3	26.5	11.8	2.9	0.0	0.0	0.0	0.0
77.5°	44.2	50.1	50.1	41.3	26.5	8.8	0.0	0.0	0.0	0.0	0.0
80°	35.4	38.3	41.3	38.3	23.6	11.8	0.0	0.0	0.0	0.0	0.0
82.5°	44.2	50.1	56.0	50.1	32.4	14.7	5.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.8	2.9	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	6463.5	6398.6	6490.0	6354.4	6351.4	6354.4	6316.0	6280.6	6336.7	6487.0	6501.8
5°	4933.1	5071.7	5115.9	5260.4	5180.8	5062.8	5086.4	5006.8	5201.4	5286.9	5219.1
7.5°	3591.5	3582.6	3880.4	3898.1	3936.5	3939.4	3933.5	3777.2	3618.0	3653.4	3759.5
10°	2786.5	2636.1	2780.6	2765.8	2860.2	2833.7	2872.0	2703.9	2759.9	2759.9	2827.8
12.5°	2270.5	2111.2	2084.7	2046.4	2084.7	2099.4	2114.2	2081.8	2176.1	2220.3	2267.5
15°	1733.8	1645.4	1621.8	1548.0	1559.8	1601.1	1636.5	1651.2	1621.8	1689.6	1695.5
17.5°	1259.1	1256.1	1270.9	1267.9	1256.1	1247.3	1244.3	1206.0	1194.2	1200.1	1223.7
20°	955.4	979.0	1029.1	1079.2	1105.7	1073.3	1029.1	964.2	937.7	943.6	946.5
22.5°	816.8	852.2	920.0	976.0	1002.5	943.6	864.0	807.9	796.1	793.2	790.2
25°	740.1	781.4	831.5	849.2	846.3	810.9	751.9	728.3	722.4	716.5	690.0
27.5°	698.8	713.6	722.4	743.1	751.9	728.3	713.6	678.2	672.3	672.3	654.6
30°	675.2	666.4	678.2	663.4	675.2	657.6	660.5	660.5	645.8	651.7	651.7
32.5°	628.1	631.0	631.0	601.5	610.4	589.7	610.4	628.1	631.0	634.0	657.6
35°	460.0	513.1	539.6	539.6	548.5	533.7	530.8	510.1	483.6	457.0	445.2
37.5°	404.0	424.6	460.0	480.6	495.4	483.6	457.0	424.6	409.9	398.1	386.3
40°	359.7	377.4	401.0	424.6	454.1	439.4	398.1	383.3	365.6	365.6	353.8
42.5°	324.4	333.2	347.9	383.3	415.8	386.3	356.8	345.0	336.1	333.2	330.2
45°	291.9	294.9	309.6	339.1	377.4	347.9	318.5	303.7	306.7	309.6	306.7
47.5°	262.4	268.3	277.2	312.6	336.1	321.4	289.0	280.1	280.1	280.1	283.1
50°	227.0	241.8	259.5	289.0	306.7	297.8	271.3	259.5	253.6	253.6	256.5
52.5°	203.5	215.3	238.8	274.2	297.8	283.1	256.5	238.8	227.0	224.1	230.0
55°	176.9	197.6	235.9	262.4	294.9	280.1	250.6	230.0	209.4	206.4	206.4
57.5°	159.2	191.7	227.0	259.5	286.0	274.2	250.6	224.1	197.6	194.6	194.6
60°	150.4	185.8	221.1	250.6	286.0	268.3	247.7	218.2	188.7	188.7	185.8
62.5°	141.5	174.0	209.4	238.8	274.2	259.5	238.8	209.4	179.9	179.9	174.0
65°	117.9	150.4	174.0	200.5	238.8	224.1	203.5	182.8	159.2	153.3	156.3
67.5°	82.6	103.2	126.8	153.3	176.9	171.0	162.2	147.4	126.8	123.8	120.9
70°	41.3	56.0	76.7	103.2	123.8	117.9	112.0	100.3	88.5	85.5	85.5
72.5°	5.9	17.7	32.4	47.2	64.9	67.8	64.9	61.9	59.0	56.0	59.0
75°	0.0	0.0	0.0	11.8	26.5	32.4	38.3	44.2	44.2	38.3	47.2
77.5°	0.0	0.0	0.0	0.0	2.9	14.7	29.5	38.3	47.2	41.3	56.0
80°	0.0	0.0	0.0	0.0	2.9	17.7	29.5	41.3	47.2	41.3	59.0
82.5°	0.0	0.0	0.0	0.0	2.9	20.6	29.5	38.3	44.2	41.3	53.1
85°	0.0	0.0	0.0	0.0	8.8	17.7	11.8	5.9	2.9	2.9	8.8
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



REPORT NUMBER: P530809

CATALOG NUMBER: GALN-SA6A-740-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	6584.4	6793.7	7017.8	7103.3	7368.7	7569.2	7704.8	7996.8	8041.0	8043.9
5°	5289.9	5396.0	5779.4	5959.2	6354.4	6661.0	6988.3	7460.1	7775.6	7799.2
7.5°	3759.5	4054.4	4216.6	4685.4	5171.9	5652.6	6139.1	6687.6	7053.2	7062.0
10°	3025.3	3217.0	3506.0	3856.8	4266.7	4756.2	5404.9	6041.8	6413.3	6504.7
12.5°	2435.6	2771.7	3102.0	3464.7	3777.2	4145.8	4844.6	5693.9	6000.5	6183.3
15°	1875.3	2182.0	2571.2	2995.8	3349.7	3842.1	4638.2	5608.3	6124.4	6186.3
17.5°	1382.9	1657.1	2016.9	2417.9	2948.7	3647.5	4673.6	6041.8	6528.3	6631.5
20°	993.7	1152.9	1436.0	1901.9	2577.1	3420.4	4709.0	6481.2	7221.3	7398.2
22.5°	787.3	852.2	1037.9	1450.7	2161.4	3181.6	4959.6	7321.5	8173.7	8430.2
25°	684.1	719.5	807.9	1144.1	1898.9	3158.0	5360.7	8330.0	9441.6	9627.4
27.5°	660.5	666.4	743.1	1049.7	1757.4	3001.7	5514.0	9046.5	10231.8	10420.6
30°	695.9	790.2	796.1	887.5	1495.0	2692.1	5593.6	9739.4	10901.2	11039.8
32.5°	601.5	572.0	592.7	687.0	1315.1	2512.3	5744.0	10343.9	11664.9	11762.2
35°	418.7	439.4	486.5	595.6	1150.0	2323.5	5782.3	11010.3	12390.3	12490.5
37.5°	386.3	398.1	436.4	507.2	1011.4	2217.4	5729.2	11496.8	13142.2	13280.8
40°	359.7	374.5	395.1	460.0	908.2	2099.4	5655.5	11936.2	13602.2	13944.2
42.5°	339.1	350.9	368.6	439.4	819.7	1981.5	5552.3	12555.4	14015.0	14312.8
45°	315.5	333.2	353.8	427.6	769.6	1901.9	5475.7	12517.1	14253.8	14413.0
47.5°	291.9	321.4	345.0	398.1	754.9	1863.6	5508.1	12372.6	14059.2	13950.1
50°	268.3	306.7	347.9	330.2	719.5	1786.9	5546.4	12570.1	13596.3	13575.6
52.5°	247.7	291.9	324.4	271.3	639.9	1713.2	5918.0	12829.6	13923.6	13649.3
55°	218.2	262.4	259.5	218.2	519.0	1657.1	6209.9	12835.5	13702.4	13805.6
57.5°	197.6	232.9	203.5	182.8	383.3	1385.9	5735.1	10762.6	11729.8	11912.6
60°	182.8	227.0	153.3	144.5	250.6	999.6	5006.8	8335.9	9323.7	9668.7
62.5°	168.1	215.3	120.9	117.9	174.0	710.6	4116.3	6976.5	8035.1	8503.9
65°	147.4	153.3	97.3	91.4	123.8	383.3	2506.4	4803.4	6006.4	6180.4
67.5°	120.9	117.9	79.6	73.7	82.6	185.8	1105.7	2406.1	3482.4	3774.3
70°	97.3	97.3	67.8	59.0	59.0	85.5	289.0	958.3	1574.6	1742.7
72.5°	70.8	73.7	53.1	47.2	44.2	41.3	47.2	191.7	412.8	527.8
75°	61.9	64.9	53.1	41.3	32.4	26.5	20.6	17.7	23.6	38.3
77.5°	67.8	67.8	56.0	38.3	29.5	20.6	11.8	5.9	5.9	2.9
80°	85.5	88.5	73.7	50.1	35.4	23.6	14.7	5.9	2.9	2.9
82.5°	91.4	100.3	82.6	61.9	44.2	26.5	14.7	2.9	0.0	0.0
85°	23.6	38.3	64.9	56.0	44.2	26.5	14.7	2.9	0.0	0.0
87.5°	0.0	2.9	8.8	8.8	11.8	11.8	8.8	2.9	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

(END OF REPORT)