

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: P531043

Luminaire Tested: **GALN-SA6B-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531043  
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-SA6B-740-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA 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: 18654 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

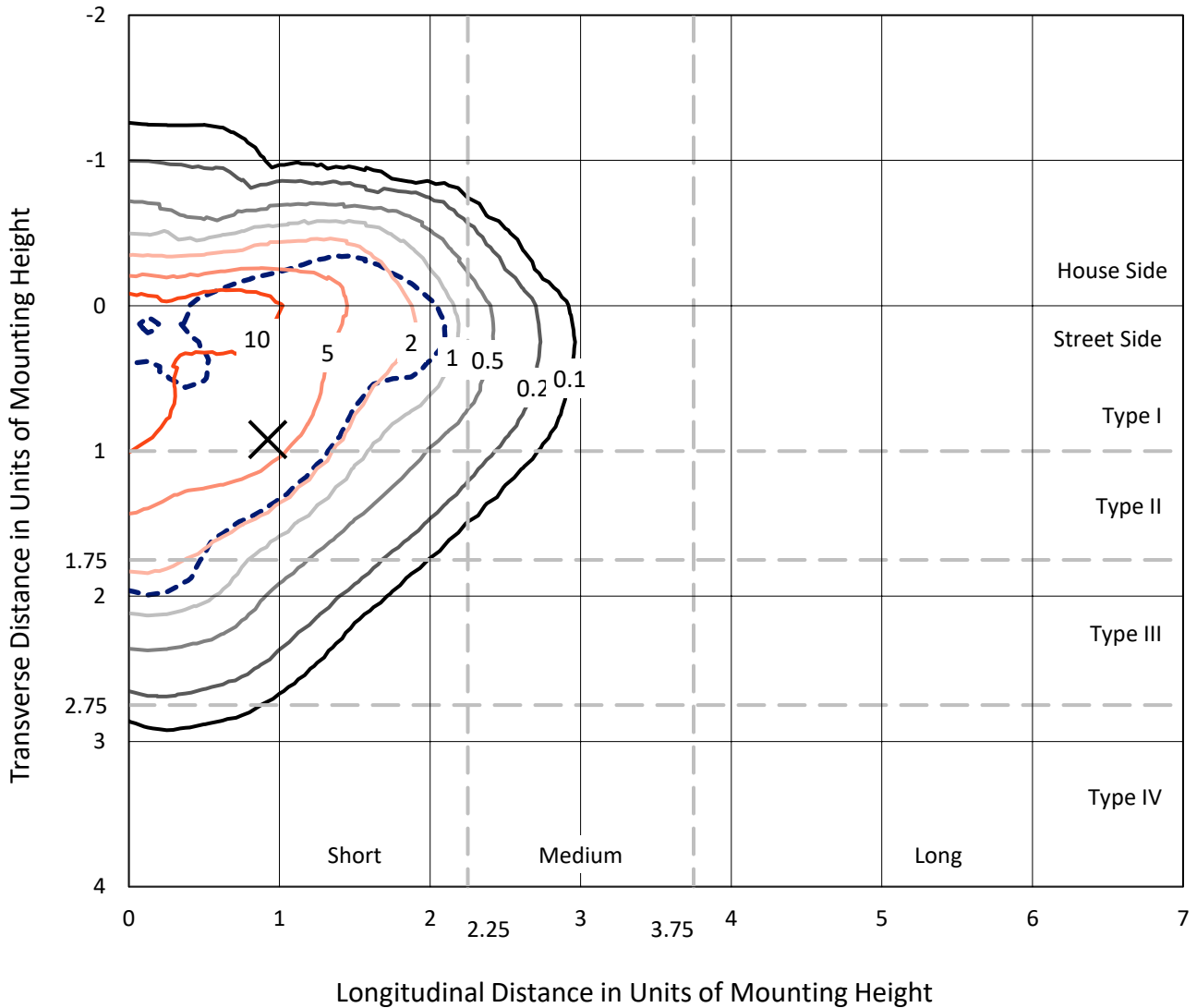
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

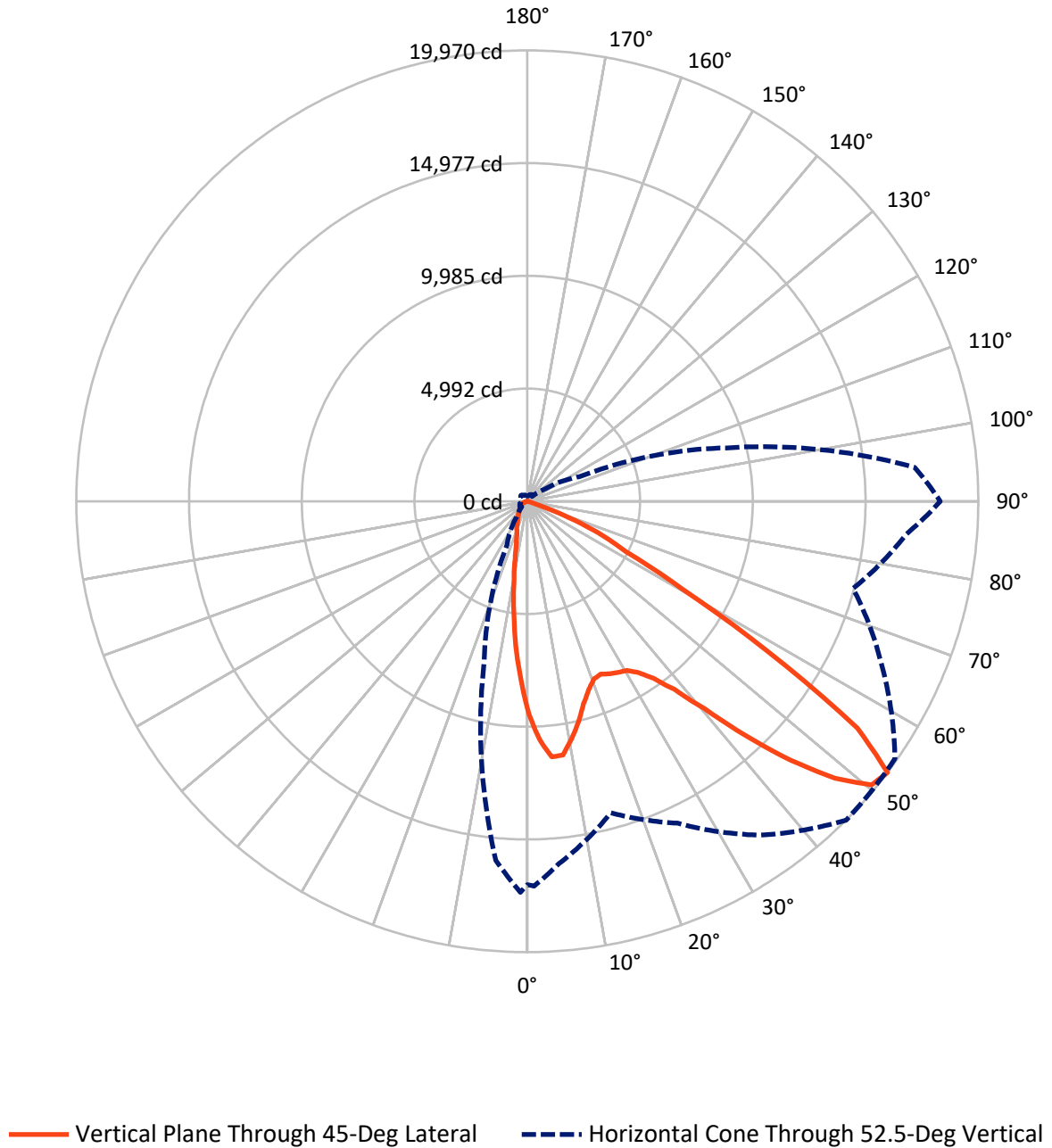
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	3785.8	0.0	3785.8
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	14868.2	0.0	14868.2
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	18654.0	0.0	18654.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.8	3.7
10°-20°	1360.9	7.3
20°-30°	2071.1	11.1
30°-40°	3095.5	16.6
40°-50°	4408.3	23.6
50°-60°	4738.8	25.4
60°-70°	2099.9	11.3
70°-80°	169.9	0.9
80°-90°	19.8	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°	18654.0	100.0
0°-180°	18654.0	100.0

**Coefficient of Utilization**

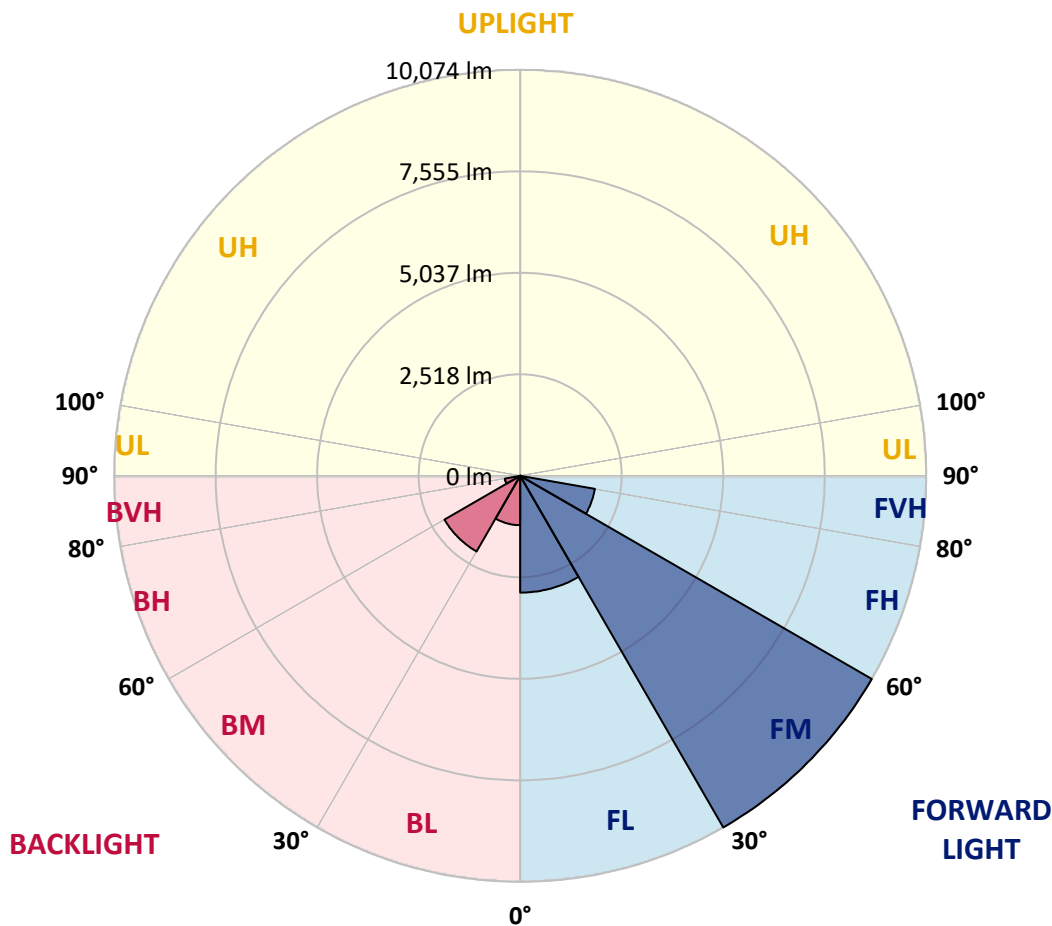


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.3	15.5			
FM (30°-60°)	10073.7	54.0			
FH (60°-80°)	1882.4	10.1			G2/5000
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	1224.5	6.6	B3/2500		
BM (30°-60°)	2168.9	11.6	B2/2500		
BH (60°-80°)	387.4	2.1	B1/500		G1/500
BVH (80°-90°)	5.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4
2.5°	10008.8	10038.1	10199.6	10401.4	10507.8	10749.9	10581.1	10625.2	10533.4	10210.6	9957.4
5°	9704.3	9700.6	9906.1	10405.0	10878.3	11358.9	11373.6	11116.8	10665.5	10170.2	9462.1
7.5°	8787.0	8930.1	9142.9	9939.1	10815.9	11175.5	11347.9	11047.1	10353.7	9645.6	8878.8
10°	8093.6	8167.0	8526.5	9487.8	10129.9	10610.5	10716.9	10544.4	10012.5	9128.2	8269.7
12.5°	7693.7	7730.4	8152.3	8959.5	9638.2	9994.1	10045.5	10126.2	9744.6	8915.4	7884.5
15°	7697.4	7726.7	8295.4	8970.5	9238.3	9142.9	9311.7	9308.0	9473.1	8875.1	8207.3
17.5°	8251.4	8284.4	8798.0	9131.9	9014.5	8790.7	8779.7	8948.5	9297.0	9377.7	8695.3
20°	9205.3	9282.3	9660.2	9641.9	8981.5	8530.2	8405.5	8533.9	9344.7	9803.3	9678.6
22.5°	10489.4	10595.8	10860.0	10353.7	9131.9	8354.1	8313.7	8563.2	9660.2	10753.6	10793.9
25°	11979.0	12158.8	12287.2	11637.8	9667.6	8658.6	8467.8	8897.1	10085.8	11784.5	12213.8
27.5°	12965.9	13153.0	13123.7	12195.5	10027.1	8739.3	8577.9	8977.8	10456.4	12030.3	12954.9
30°	13736.4	13850.1	14055.6	12496.3	10386.7	8966.8	8691.6	9319.0	10577.5	12455.9	13850.1
32.5°	14635.3	14712.3	14727.0	13028.3	10940.7	9253.0	9043.9	9744.6	11113.1	12863.2	14642.6
35°	15541.5	15655.2	15416.8	13685.0	11281.9	9785.0	9630.9	10482.1	11542.4	13285.1	15515.8
37.5°	16524.8	16583.5	16033.1	13956.5	11769.9	10650.8	10566.5	11278.2	12287.2	14048.2	16484.4
40°	17350.3	17405.3	16689.9	14290.4	12283.5	11861.6	12078.0	12797.2	13299.8	14543.6	16968.7
42.5°	17808.9	17937.3	16910.0	14107.0	13314.5	13233.8	14195.0	14448.2	14473.8	14683.0	17401.6
45°	17933.6	17874.9	16546.8	14257.4	14217.0	15490.1	16363.3	16697.2	15640.6	14939.8	17511.7
47.5°	17357.6	17434.7	16011.1	14125.3	15402.1	17199.8	18329.9	18949.9	16510.1	14716.0	17240.2
50°	16891.7	16792.6	15838.7	14029.9	15721.3	18007.0	19749.7	19889.2	17309.9	14991.2	16943.0
52.5°	16983.4	17045.7	16113.8	14283.1	15728.6	18054.7	19969.9	19874.5	17335.6	14928.8	16836.6
55°	17177.8	16902.7	15996.4	13725.4	14675.6	16722.9	17724.5	17577.7	16000.1	14264.7	16576.1
57.5°	14822.4	15248.0	14708.7	12254.2	12045.0	12599.0	12580.7	13032.0	11935.0	12276.2	15090.2
60°	12030.3	12103.7	12305.5	10482.1	8335.8	8145.0	7880.8	7594.6	8031.2	10496.7	13725.4
62.5°	10581.1	10493.1	11212.2	9535.5	5884.9	4927.3	4883.3	5059.4	6196.8	10012.5	12874.2
65°	7690.0	7800.1	8321.1	7400.2	4417.4	3760.6	3694.6	4215.6	5015.4	8023.9	9825.3
67.5°	4696.2	4909.0	4956.7	4564.1	2997.5	2381.1	2285.7	2759.0	3621.2	5191.5	5760.2
70°	2168.3	2425.1	2667.3	2491.2	1735.4	979.6	924.6	1159.4	1827.1	2986.5	3056.2
72.5°	656.7	660.4	924.6	964.9	561.3	220.1	194.5	256.8	620.0	986.9	1038.3
75°	47.7	51.4	124.7	143.1	106.4	55.0	58.7	69.7	132.1	220.1	165.1
77.5°	3.7	3.7	3.7	18.3	33.0	36.7	47.7	55.0	69.7	80.7	73.4
80°	3.7	0.0	3.7	14.7	25.7	36.7	44.0	51.4	55.0	62.4	55.0
82.5°	0.0	0.0	0.0	11.0	25.7	36.7	40.4	55.0	62.4	73.4	62.4
85°	0.0	0.0	0.0	11.0	25.7	40.4	36.7	18.3	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°	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4
2.5°	10001.4	9858.4	9531.8	9366.7	8977.8	8922.8	8541.2	8478.8	8350.4	8280.7	8112.0
5°	9150.3	8977.8	8445.8	7998.2	7477.2	7114.0	6835.2	6582.0	6435.3	6299.5	6361.9
7.5°	8456.8	7954.2	7363.5	6615.0	6013.3	5624.4	5198.8	4850.3	4644.8	4505.4	4538.4
10°	7730.4	7403.9	6582.0	5741.8	5015.4	4740.2	4406.4	4138.5	3848.7	3599.2	3481.8
12.5°	7502.9	7018.6	5987.7	5132.8	4582.5	4314.6	3933.1	3624.9	3254.3	2949.8	2843.4
15°	7543.3	7077.3	5826.2	4912.7	4263.3	3801.0	3346.0	2964.5	2557.2	2344.4	2234.4
17.5°	8200.0	7392.8	5932.6	4681.5	3819.3	3177.3	2615.9	2131.6	1827.1	1607.0	1559.3
20°	9007.2	8075.3	6160.1	4512.8	3456.1	2527.9	1911.5	1493.2	1240.1	1203.4	1192.4
22.5°	10188.6	9190.6	6648.1	4399.0	3012.2	1970.2	1309.8	1086.0	1016.3	1008.9	1012.6
25°	11839.6	10588.5	7180.1	4303.6	2678.3	1518.9	1071.3	920.9	898.9	887.9	906.2
27.5°	12555.0	11432.3	7462.6	4098.2	2373.8	1368.5	1056.6	913.6	851.2	832.8	843.8
30°	13439.2	11993.7	7906.5	3746.0	1926.2	1126.4	986.9	994.3	964.9	873.2	843.8
32.5°	14613.3	12694.4	8130.3	3496.5	1720.7	931.9	722.8	664.1	741.1	755.8	781.5
35°	15365.4	13406.2	8244.0	3349.7	1614.3	796.2	612.7	557.7	539.3	543.0	557.7
37.5°	16763.2	14367.4	8387.1	3195.6	1533.6	693.4	554.0	502.6	477.0	477.0	491.6
40°	17599.8	15130.6	8581.6	3111.2	1452.9	631.1	502.6	458.6	436.6	436.6	443.9
42.5°	17808.9	15508.5	8515.5	3081.9	1361.2	616.4	458.6	425.6	399.9	396.2	392.6
45°	18183.1	16084.5	8526.5	3048.9	1265.8	561.3	432.9	396.2	359.6	355.9	352.2
47.5°	18594.0	16499.1	8548.6	2920.5	1174.1	469.6	451.3	366.9	322.9	315.5	315.5
50°	18241.8	16829.3	8739.3	2792.0	1056.6	381.6	443.9	344.9	286.2	275.2	278.8
52.5°	18285.8	17218.2	9142.9	2612.3	909.9	304.5	359.6	326.5	260.5	242.1	245.8
55°	17581.4	16807.3	9198.0	2421.5	711.8	234.8	275.2	286.2	220.1	212.8	212.8
57.5°	15134.2	14231.7	8115.6	1962.9	469.6	194.5	198.1	249.5	190.8	183.4	187.1
60°	12951.2	11425.0	6530.7	1295.1	293.5	154.1	143.1	253.2	168.8	165.1	176.1
62.5°	11806.5	9388.7	4953.0	803.5	201.8	117.4	99.1	205.5	146.8	146.8	161.4
65°	8530.2	6306.9	2880.1	421.9	143.1	91.7	73.4	117.4	121.1	124.7	132.1
67.5°	5283.2	3184.6	1214.4	205.5	95.4	62.4	47.7	73.4	80.7	80.7	88.1
70°	2608.6	1269.4	403.6	117.4	73.4	51.4	33.0	40.4	40.4	36.7	40.4
72.5°	807.2	381.6	102.7	73.4	51.4	33.0	18.3	14.7	7.3	0.0	3.7
75°	91.7	73.4	66.0	51.4	33.0	14.7	3.7	0.0	0.0	0.0	0.0
77.5°	55.0	62.4	62.4	51.4	33.0	11.0	0.0	0.0	0.0	0.0	0.0
80°	44.0	47.7	51.4	47.7	29.4	14.7	0.0	0.0	0.0	0.0	0.0
82.5°	55.0	62.4	69.7	62.4	40.4	18.3	7.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.0	3.7	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°	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4
2.5°	8042.2	7961.5	8075.3	7906.5	7902.8	7906.5	7858.8	7814.8	7884.5	8071.6	8089.9
5°	6138.1	6310.5	6365.6	6545.3	6446.3	6299.5	6328.9	6229.8	6472.0	6578.4	6494.0
7.5°	4468.7	4457.7	4828.3	4850.3	4898.0	4901.7	4894.3	4699.9	4501.8	4545.8	4677.9
10°	3467.1	3280.0	3459.8	3441.4	3558.8	3525.8	3573.5	3364.4	3434.1	3434.1	3518.5
12.5°	2825.1	2626.9	2593.9	2546.2	2593.9	2612.3	2630.6	2590.2	2707.7	2762.7	2821.4
15°	2157.3	2047.3	2017.9	1926.2	1940.9	1992.2	2036.2	2054.6	2017.9	2102.3	2109.6
17.5°	1566.6	1563.0	1581.3	1577.6	1563.0	1551.9	1548.3	1500.6	1485.9	1493.2	1522.6
20°	1188.7	1218.1	1280.4	1342.8	1375.8	1335.5	1280.4	1199.7	1166.7	1174.1	1177.7
22.5°	1016.3	1060.3	1144.7	1214.4	1247.4	1174.1	1075.0	1005.3	990.6	986.9	983.3
25°	920.9	972.3	1034.6	1056.6	1053.0	1008.9	935.6	906.2	898.9	891.5	858.5
27.5°	869.5	887.9	898.9	924.6	935.6	906.2	887.9	843.8	836.5	836.5	814.5
30°	840.2	829.2	843.8	825.5	840.2	818.2	821.8	821.8	803.5	810.8	810.8
32.5°	781.5	785.1	785.1	748.5	759.5	733.8	759.5	781.5	785.1	788.8	818.2
35°	572.3	638.4	671.4	671.4	682.4	664.1	660.4	634.7	601.7	568.7	554.0
37.5°	502.6	528.3	572.3	598.0	616.4	601.7	568.7	528.3	510.0	495.3	480.6
40°	447.6	469.6	499.0	528.3	565.0	546.7	495.3	477.0	454.9	454.9	440.3
42.5°	403.6	414.6	432.9	477.0	517.3	480.6	443.9	429.3	418.3	414.6	410.9
45°	363.2	366.9	385.2	421.9	469.6	432.9	396.2	377.9	381.6	385.2	381.6
47.5°	326.5	333.9	344.9	388.9	418.3	399.9	359.6	348.5	348.5	348.5	352.2
50°	282.5	300.9	322.9	359.6	381.6	370.6	337.5	322.9	315.5	315.5	319.2
52.5°	253.2	267.8	297.2	341.2	370.6	352.2	319.2	297.2	282.5	278.8	286.2
55°	220.1	245.8	293.5	326.5	366.9	348.5	311.9	286.2	260.5	256.8	256.8
57.5°	198.1	238.5	282.5	322.9	355.9	341.2	311.9	278.8	245.8	242.1	242.1
60°	187.1	231.1	275.2	311.9	355.9	333.9	308.2	271.5	234.8	234.8	231.1
62.5°	176.1	216.5	260.5	297.2	341.2	322.9	297.2	260.5	223.8	223.8	216.5
65°	146.8	187.1	216.5	249.5	297.2	278.8	253.2	227.5	198.1	190.8	194.5
67.5°	102.7	128.4	157.8	190.8	220.1	212.8	201.8	183.4	157.8	154.1	150.4
70°	51.4	69.7	95.4	128.4	154.1	146.8	139.4	124.7	110.1	106.4	106.4
72.5°	7.3	22.0	40.4	58.7	80.7	84.4	80.7	77.0	73.4	69.7	73.4
75°	0.0	0.0	0.0	14.7	33.0	40.4	47.7	55.0	55.0	47.7	58.7
77.5°	0.0	0.0	0.0	0.0	3.7	18.3	36.7	47.7	58.7	51.4	69.7
80°	0.0	0.0	0.0	0.0	3.7	22.0	36.7	51.4	58.7	51.4	73.4
82.5°	0.0	0.0	0.0	0.0	3.7	25.7	36.7	47.7	55.0	51.4	66.0
85°	0.0	0.0	0.0	0.0	11.0	22.0	14.7	7.3	3.7	3.7	11.0
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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 CATALOG NUMBER: GALN-SA6B-740-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4	9458.4
2.5°	8192.7	8453.2	8732.0	8838.4	9168.6	9418.1	9586.9	9950.1	10005.1	10008.8
5°	6582.0	6714.1	7191.1	7414.9	7906.5	8288.1	8695.3	9282.3	9674.9	9704.3
7.5°	4677.9	5044.7	5246.5	5829.9	6435.3	7033.3	7638.7	8321.1	8776.0	8787.0
10°	3764.3	4002.8	4362.3	4798.9	5308.9	5917.9	6725.1	7517.6	7979.9	8093.6
12.5°	3030.5	3448.8	3859.7	4311.0	4699.9	5158.5	6028.0	7084.7	7466.2	7693.7
15°	2333.4	2715.0	3199.3	3727.6	4167.9	4780.6	5771.2	6978.3	7620.3	7697.4
17.5°	1720.7	2061.9	2509.5	3008.5	3668.9	4538.4	5815.2	7517.6	8123.0	8251.4
20°	1236.4	1434.5	1786.8	2366.4	3206.6	4255.9	5859.2	8064.3	8985.2	9205.3
22.5°	979.6	1060.3	1291.5	1805.1	2689.3	3958.8	6171.1	9109.9	10170.2	10489.4
25°	851.2	895.2	1005.3	1423.5	2362.8	3929.4	6670.1	10364.7	11747.8	11979.0
27.5°	821.8	829.2	924.6	1306.1	2186.7	3734.9	6860.9	11256.2	12731.1	12965.9
30°	865.9	983.3	990.6	1104.3	1860.1	3349.7	6959.9	12118.4	13564.0	13736.4
32.5°	748.5	711.8	737.5	854.9	1636.3	3125.9	7147.0	12870.5	14514.2	14635.3
35°	521.0	546.7	605.4	741.1	1430.9	2891.1	7194.7	13699.7	15416.8	15541.5
37.5°	480.6	495.3	543.0	631.1	1258.4	2759.0	7128.7	14305.1	16352.3	16524.8
40°	447.6	466.0	491.6	572.3	1130.0	2612.3	7037.0	14851.7	16924.7	17350.3
42.5°	421.9	436.6	458.6	546.7	1020.0	2465.5	6908.6	15622.2	17438.3	17808.9
45°	392.6	414.6	440.3	532.0	957.6	2366.4	6813.2	15574.5	17735.5	17933.6
47.5°	363.2	399.9	429.3	495.3	939.2	2318.7	6853.5	15394.7	17493.4	17357.6
50°	333.9	381.6	432.9	410.9	895.2	2223.4	6901.2	15640.6	16917.3	16891.7
52.5°	308.2	363.2	403.6	337.5	796.2	2131.6	7363.5	15963.4	17324.6	16983.4
55°	271.5	326.5	322.9	271.5	645.7	2061.9	7726.7	15970.8	17049.4	17177.8
57.5°	245.8	289.8	253.2	227.5	477.0	1724.4	7136.0	13391.5	14594.9	14822.4
60°	227.5	282.5	190.8	179.8	311.9	1243.8	6229.8	10372.0	11601.1	12030.3
62.5°	209.1	267.8	150.4	146.8	216.5	884.2	5121.8	8680.6	9997.8	10581.1
65°	183.4	190.8	121.1	113.7	154.1	477.0	3118.6	5976.7	7473.6	7690.0
67.5°	150.4	146.8	99.1	91.7	102.7	231.1	1375.8	2993.8	4333.0	4696.2
70°	121.1	121.1	84.4	73.4	73.4	106.4	359.6	1192.4	1959.2	2168.3
72.5°	88.1	91.7	66.0	58.7	55.0	51.4	58.7	238.5	513.6	656.7
75°	77.0	80.7	66.0	51.4	40.4	33.0	25.7	22.0	29.4	47.7
77.5°	84.4	84.4	69.7	47.7	36.7	25.7	14.7	7.3	7.3	3.7
80°	106.4	110.1	91.7	62.4	44.0	29.4	18.3	7.3	3.7	3.7
82.5°	113.7	124.7	102.7	77.0	55.0	33.0	18.3	3.7	0.0	0.0
85°	29.4	47.7	80.7	69.7	55.0	33.0	18.3	3.7	0.0	0.0
87.5°	0.0	3.7	11.0	11.0	14.7	14.7	11.0	3.7	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)