

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: P650969

Luminaire Tested: **GALN-SA6C-840-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-840-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26112.2 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 321  
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

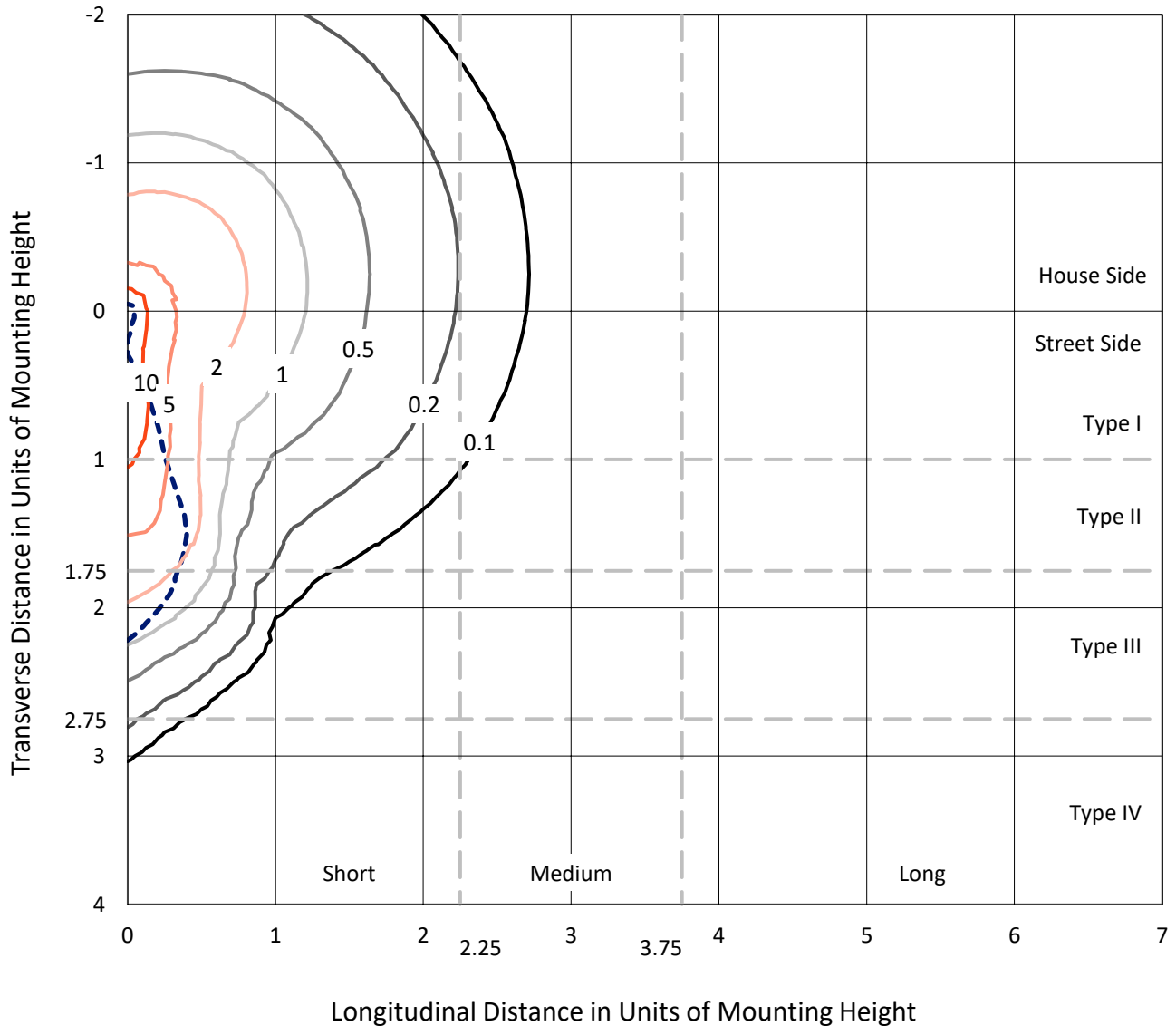




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### Iso-Footcandle Lines of Horizontal Illumination

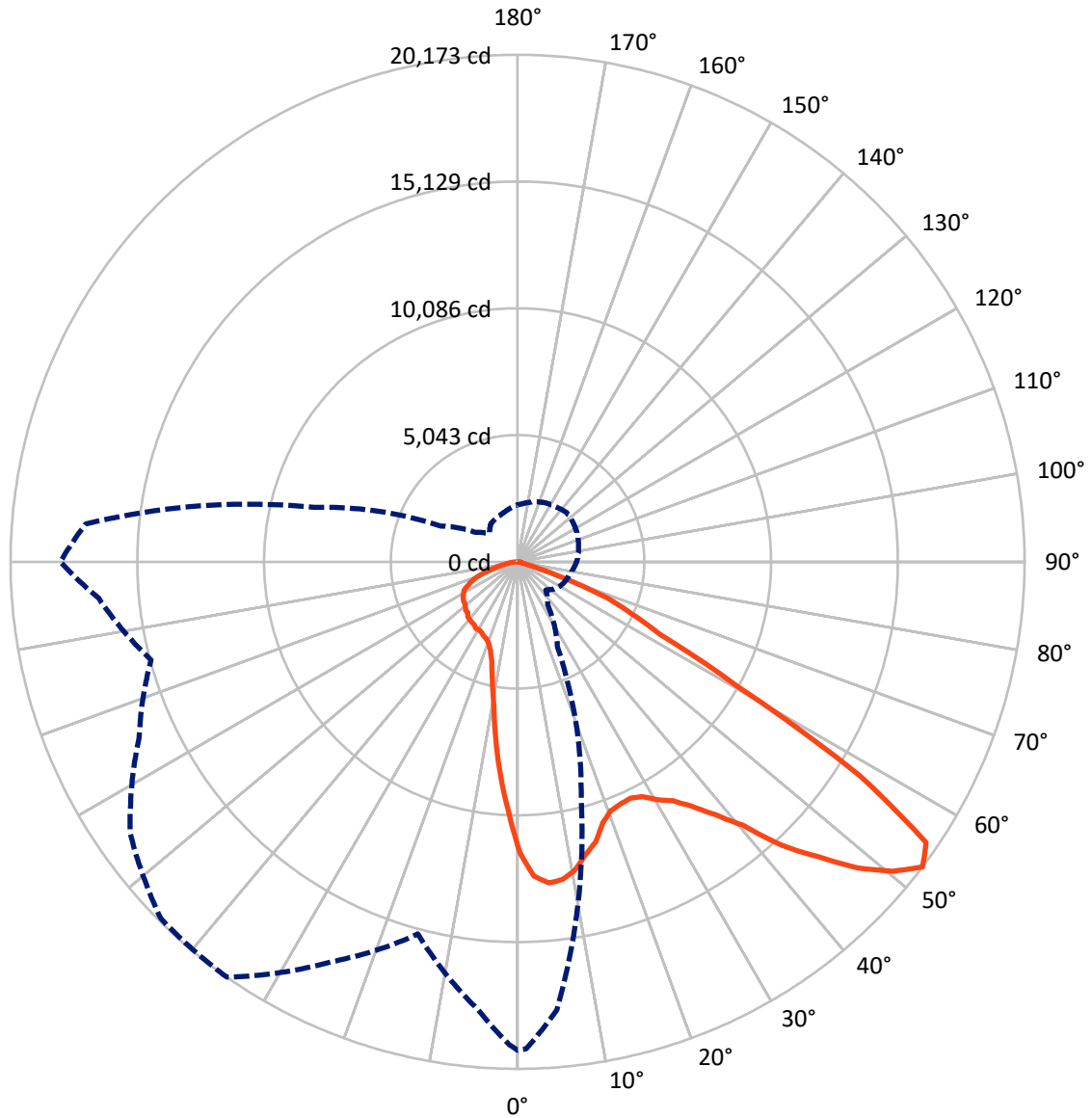
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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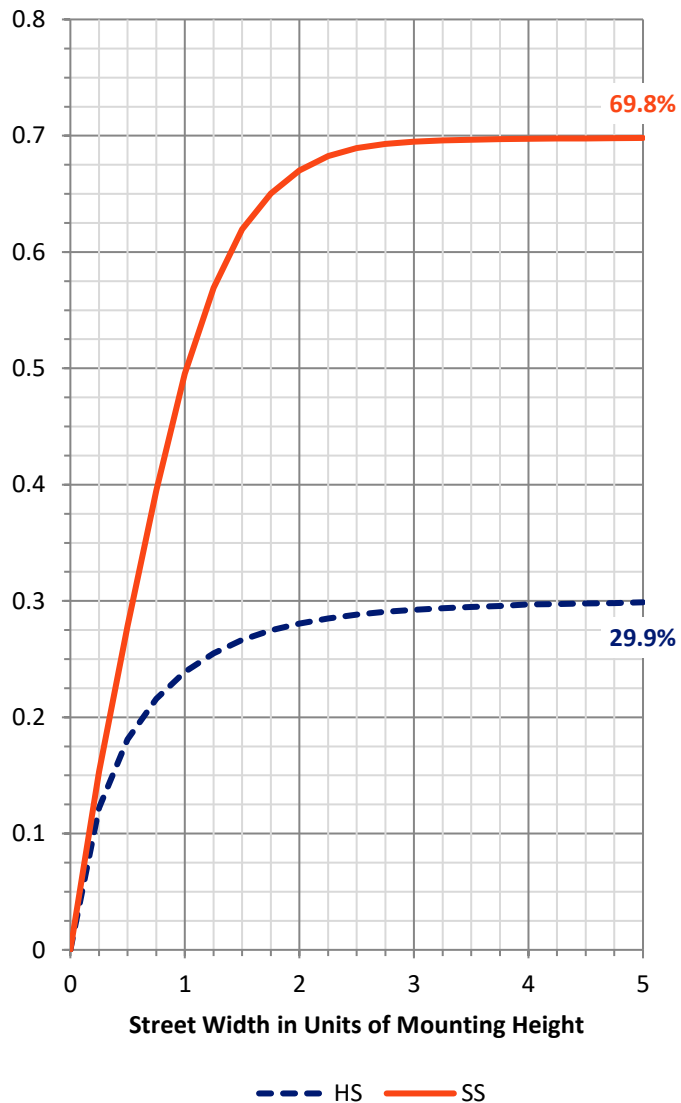
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7871.7	0.0	7871.7
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	18240.5	0.0	18240.5
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	26112.2	0.0	26112.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	884.1	3.4
10°-20°	1916.6	7.3
20°-30°	2895.9	11.1
30°-40°	4184.7	16.0
40°-50°	5569.1	21.3
50°-60°	6229.1	23.9
60°-70°	3510.7	13.4
70°-80°	782.6	3.0
80°-90°	139.4	0.5
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°	26112.2	100.0
0°-180°	26112.2	100.0

**Coefficient of Utilization**



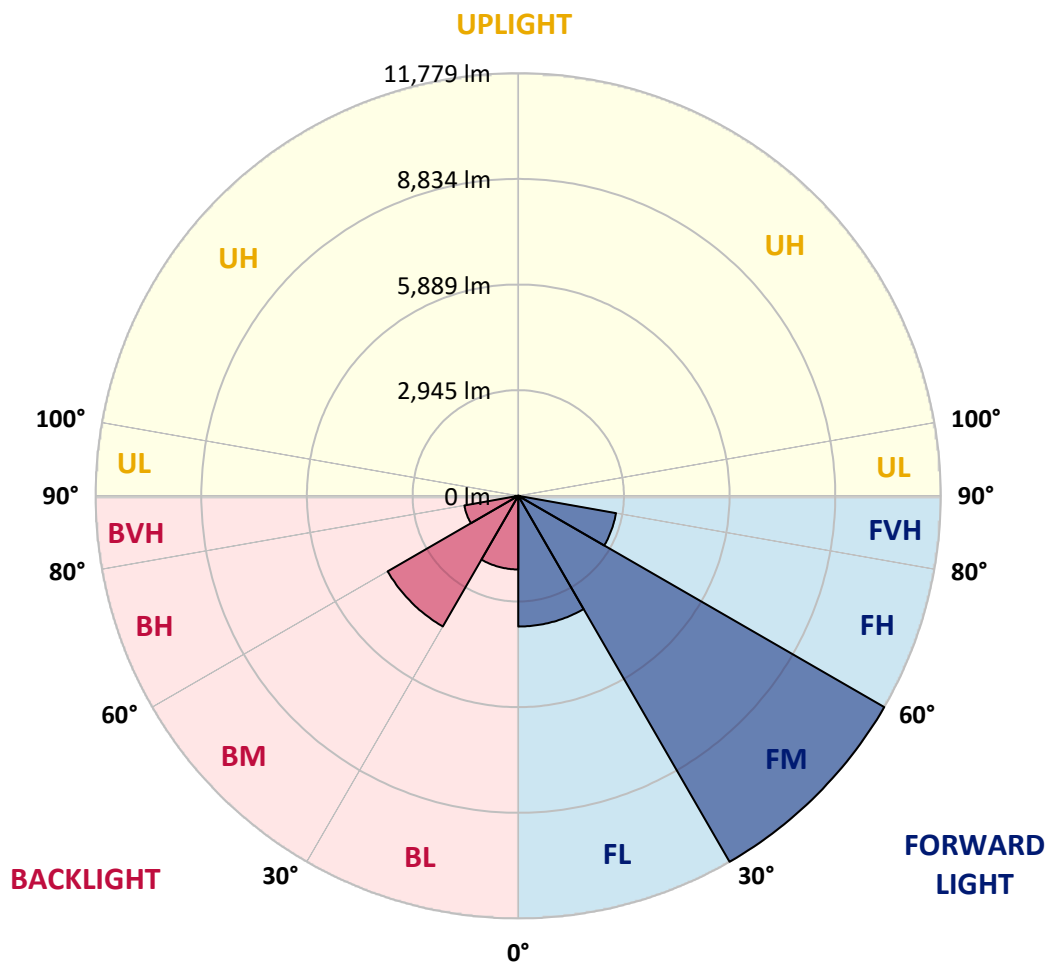
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3643.9	14.0			
FM (30°-60°)	11778.6	45.1			
FH (60°-80°)	2767.5	10.6			G2/5000
FVH (80°-90°)	50.5	0.2			G1/100
BL (0°-30°)	2052.8	7.9	B3/2500		
BM (30°-60°)	4204.3	16.1	B3/5000		
BH (60°-80°)	1525.8	5.8	B3/2500		G3/2500
BVH (80°-90°)	88.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7
2.5°	11781.7	11971.0	11766.6	11403.3	11145.9	10911.3	10665.3	10616.1	10294.4	10237.7	10002.9
5°	11111.9	11070.3	10820.5	10343.6	9817.5	9340.7	8988.7	8648.1	8417.1	8148.4	8129.5
7.5°	10298.2	10055.9	9912.1	9189.3	8538.3	7788.9	7467.2	6948.7	6785.9	6543.7	6418.8
10°	9571.5	9393.6	9056.8	8333.9	7425.6	6929.8	6585.4	6305.3	6116.1	5866.3	5552.2
12.5°	9212.0	9140.1	8761.6	7641.3	6967.6	6437.8	6195.6	5923.1	5601.4	5200.2	5045.0
15°	9276.3	9034.1	8746.5	7508.9	6577.8	6066.9	5680.9	5340.2	4927.7	4545.4	4322.2
17.5°	9756.9	9571.5	8996.3	7592.1	6430.2	5692.2	4992.0	4488.7	4117.8	3773.3	3618.2
20°	10703.2	10434.5	9787.2	7698.1	6112.3	5169.9	4367.6	3746.8	3349.5	3167.8	3114.8
22.5°	11751.5	11592.5	10559.3	7936.5	5858.7	4685.5	3705.2	3084.5	2936.9	2887.7	2986.1
25°	13026.9	12614.4	11759.0	8326.3	5661.9	4273.0	3145.1	2800.7	2725.0	2774.2	2887.7
27.5°	13995.8	13886.1	12599.3	8693.5	5393.2	3777.1	2831.0	2603.9	2626.6	2675.8	2781.8
30°	15146.4	14590.0	13413.0	8947.1	5151.0	3436.5	2611.5	2550.9	2573.6	2656.9	2709.9
32.5°	15839.0	15630.8	13923.9	9329.3	4870.9	3141.3	2441.2	2384.4	2418.5	2543.4	2668.2
35°	16720.8	16308.3	14555.9	9427.7	4674.1	3024.0	2320.0	2278.4	2357.8	2445.0	2585.0
37.5°	17750.2	17466.4	15430.2	9359.6	4568.1	2902.9	2217.8	2198.9	2255.6	2376.8	2539.6
40°	18359.6	18272.6	15888.2	9401.2	4401.6	2796.9	2100.5	2123.2	2240.5	2335.1	2494.2
42.5°	18946.2	18378.5	16565.7	9386.1	4295.7	2653.1	2111.8	2085.3	2176.2	2285.9	2437.4
45°	19074.9	18511.0	16724.6	9280.1	4167.0	2513.1	2024.8	2036.1	2145.9	2282.1	2380.6
47.5°	18991.6	18575.3	17019.8	9249.8	4045.9	2414.7	1896.1	2032.4	2096.7	2206.4	2346.5
50°	18934.9	18912.2	17269.6	9393.6	3883.1	2259.4	1741.0	1983.2	2047.5	2157.2	2308.6
52.5°	19434.4	19385.2	17894.0	9772.1	3754.4	2092.9	1582.0	1858.3	2013.4	2119.4	2267.0
55°	19737.3	19521.5	18965.1	10237.7	3538.7	1873.4	1472.3	1703.1	1930.2	2024.8	2176.2
57.5°	17754.0	17606.4	17156.1	9556.4	3175.4	1585.8	1336.0	1544.2	1816.6	1964.2	2119.4
60°	14771.7	14540.8	13386.5	8122.0	2342.7	1233.8	1252.8	1419.3	1786.4	1843.1	2024.8
62.5°	13927.7	13356.2	11785.5	6536.2	1797.7	1059.7	1124.1	1305.7	1627.4	1722.0	1903.7
65°	11051.3	10627.5	8432.3	4719.5	1203.6	919.7	1025.7	1177.1	1404.1	1589.6	1756.1
67.5°	6918.4	6513.5	4500.0	2232.9	840.2	787.3	915.9	1074.9	1260.3	1426.8	1612.3
70°	3614.4	3171.6	2077.8	806.2	579.0	643.4	764.5	915.9	1097.6	1233.8	1377.6
72.5°	1347.4	1093.8	677.4	348.2	401.2	492.0	620.7	730.4	859.2	1025.7	1105.2
75°	208.1	177.9	174.1	211.9	272.5	355.7	442.8	552.5	666.1	772.0	825.1
77.5°	98.4	94.6	106.0	140.0	181.7	253.6	321.7	427.6	518.5	586.6	616.9
80°	64.3	60.6	68.1	94.6	136.2	189.2	257.3	329.3	412.5	469.3	461.7
82.5°	37.8	41.6	41.6	64.3	94.6	136.2	185.4	249.8	306.5	355.7	325.5
85°	22.7	18.9	18.9	37.8	64.3	109.8	155.2	106.0	109.8	109.8	124.9
87.5°	7.6	7.6	7.6	3.8	7.6	7.6	11.4	18.9	22.7	26.5	34.1
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°	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7
2.5°	9995.4	10112.7	10071.1	9923.5	10037.0	10055.9	9980.2	10241.4	10290.6	10211.1	10233.9
5°	8103.0	8133.3	8201.4	8345.2	8447.4	8568.5	8568.5	8576.1	8473.9	8731.3	8655.7
7.5°	6312.9	6331.8	6411.3	6717.8	6804.9	7035.7	7134.2	7066.0	6861.6	6774.6	6846.5
10°	5449.9	5340.2	5313.7	5351.5	5548.4	5646.8	5730.1	5707.4	5673.3	5605.2	5529.5
12.5°	4874.7	4795.2	4730.9	4640.0	4651.4	4746.0	4810.4	4757.4	4772.5	4787.6	4810.4
15°	4250.2	4193.5	4159.4	4023.2	4008.0	4072.4	4095.1	4125.4	4182.1	4185.9	4159.4
17.5°	3587.9	3538.7	3614.4	3690.1	3637.1	3640.9	3682.5	3709.0	3693.8	3625.7	3591.7
20°	3133.7	3186.7	3262.4	3334.3	3391.1	3425.1	3440.3	3398.6	3349.5	3209.4	3205.6
22.5°	3001.3	3069.4	3133.7	3243.5	3296.5	3383.5	3304.0	3209.4	3141.3	3073.2	2993.7
25°	2902.9	2959.6	3088.3	3129.9	3232.1	3304.0	3247.3	3152.7	3035.3	2936.9	2876.4
27.5°	2831.0	2895.3	2978.6	3092.1	3171.6	3213.2	3156.4	3118.6	2997.5	2880.2	2793.1
30°	2785.6	2853.7	3005.1	3099.7	3167.8	3201.9	3103.5	3058.0	2971.0	2872.6	2796.9
32.5°	2755.3	2815.8	2944.5	3065.6	3111.0	3111.0	3126.2	3073.2	2952.1	2785.6	2721.2
35°	2656.9	2740.1	2846.1	2986.1	3069.4	3118.6	3042.9	2982.4	2902.9	2732.6	2615.3
37.5°	2600.1	2656.9	2793.1	2925.6	2997.5	3050.5	3020.2	2914.2	2808.3	2668.2	2573.6
40°	2539.6	2630.4	2751.5	2876.4	2955.9	3008.8	2986.1	2861.3	2732.6	2600.1	2535.8
42.5°	2497.9	2558.5	2683.4	2823.4	2918.0	3020.2	2952.1	2796.9	2706.1	2524.4	2452.5
45°	2463.9	2562.3	2694.7	2751.5	2849.9	2955.9	2834.8	2740.1	2634.2	2501.7	2441.2
47.5°	2422.2	2513.1	2600.1	2751.5	2796.9	2846.1	2823.4	2672.0	2581.2	2437.4	2395.8
50°	2407.1	2441.2	2600.1	2683.4	2747.7	2796.9	2736.4	2622.8	2535.8	2388.2	2297.3
52.5°	2346.5	2410.9	2513.1	2622.8	2702.3	2762.9	2664.5	2592.6	2475.2	2320.0	2263.2
55°	2270.8	2308.6	2490.4	2603.9	2645.5	2687.2	2649.3	2532.0	2410.9	2251.9	2195.1
57.5°	2172.4	2259.4	2407.1	2566.1	2619.0	2641.7	2581.2	2486.6	2335.1	2195.1	2104.3
60°	2070.2	2161.0	2323.8	2452.5	2505.5	2588.8	2497.9	2441.2	2267.0	2111.8	2013.4
62.5°	1968.0	2070.2	2191.3	2354.0	2399.5	2433.6	2410.9	2331.3	2191.3	2017.2	1896.1
65°	1846.9	1922.6	2074.0	2157.2	2187.5	2267.0	2187.5	2157.2	2032.4	1865.8	1763.7
67.5°	1665.3	1729.6	1862.1	1941.5	1964.2	1998.3	1994.5	1960.5	1820.4	1706.9	1616.1
70°	1457.1	1513.9	1597.1	1691.8	1703.1	1744.7	1706.9	1699.3	1608.5	1453.3	1404.1
72.5°	1169.5	1222.5	1332.2	1373.9	1377.6	1392.8	1373.9	1347.4	1324.7	1161.9	1112.7
75°	897.0	927.3	980.3	1018.1	1018.1	1037.0	1025.7	999.2	938.6	836.5	787.3
77.5°	624.4	654.7	722.8	745.5	741.8	749.3	715.3	688.8	598.0	545.0	503.3
80°	454.1	473.1	507.1	522.3	526.0	537.4	495.8	473.1	420.1	359.5	340.6
82.5°	329.3	340.6	344.4	363.3	363.3	344.4	333.0	310.3	272.5	234.6	219.5
85°	136.2	140.0	143.8	166.5	170.3	204.4	189.2	177.9	155.2	132.5	121.1
87.5°	34.1	37.8	49.2	41.6	49.2	49.2	53.0	60.6	60.6	49.2	49.2
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°	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7
2.5°	10320.9	10351.2	10737.2	10786.4	10975.6	11168.6	11558.5	11838.6	12065.7	12213.3	12254.9
5°	8735.1	8928.1	9106.0	9393.6	9654.8	10025.6	10453.4	10983.2	11649.3	11990.0	12126.2
7.5°	6838.9	7066.0	7323.4	7603.5	7985.7	8651.9	9223.3	9836.4	10688.0	11040.0	11573.6
10°	5582.5	5836.0	6176.6	6392.4	6854.1	7489.9	8156.0	8863.8	9677.5	10184.6	10801.6
12.5°	4935.2	5143.4	5457.5	5911.7	6256.1	6668.6	7164.5	8057.6	9223.3	9704.0	10127.8
15°	4220.0	4450.8	4814.1	5317.5	5730.1	6222.1	6778.4	7751.1	8992.5	9734.2	10093.8
17.5°	3629.5	3796.0	4178.3	4613.6	5086.6	5624.1	6422.6	7735.9	9234.7	10184.6	10771.3
20°	3220.8	3243.5	3451.6	3822.5	4466.0	5166.1	6203.1	7660.2	10010.5	10960.5	11702.3
22.5°	2963.4	2940.7	2944.5	3258.6	3709.0	4715.7	5858.7	7917.6	10892.4	12194.3	12693.9
25°	2834.8	2774.2	2736.4	2804.5	3213.2	4182.1	5597.6	8258.2	11842.4	13212.4	13825.5
27.5°	2766.6	2660.7	2585.0	2596.3	2895.3	3913.3	5434.8	8405.8	12784.7	14631.6	14847.4
30°	2740.1	2607.7	2497.9	2460.1	2656.9	3538.7	5086.6	8659.4	13628.7	15411.3	15596.8
32.5°	2645.5	2482.8	2376.8	2342.7	2422.2	3209.4	4836.8	8841.1	14374.3	16259.1	16194.7
35°	2535.8	2399.5	2267.0	2202.7	2259.4	2997.5	4636.3	8754.1	15252.4	16917.6	16883.6
37.5°	2524.4	2346.5	2236.7	2130.8	2127.0	2736.4	4363.8	8837.3	15812.5	18098.5	17632.9
40°	2426.0	2312.4	2168.6	2081.6	2032.4	2603.9	4098.9	8640.4	16633.8	18575.3	18117.4
42.5°	2429.8	2259.4	2134.5	2032.4	1983.2	2410.9	3917.1	8587.5	16921.4	19351.2	18344.5
45°	2369.3	2202.7	2096.7	1975.6	1949.1	2263.2	3743.0	8341.5	17428.5	19389.0	18060.6
47.5°	2308.6	2161.0	2047.5	1903.7	1843.1	2210.2	3606.8	8137.1	17163.6	19033.3	17667.0
50°	2267.0	2096.7	1990.7	1888.5	1718.2	2119.4	3428.9	8087.9	16792.8	18552.6	16936.6
52.5°	2195.1	2043.7	1934.0	1854.5	1582.0	2036.1	3360.8	8375.5	17246.9	18193.1	16724.6
55°	2127.0	1971.8	1831.8	1676.6	1468.5	1816.6	3171.6	8644.2	17909.2	19021.9	17685.9
57.5°	2055.1	1907.5	1756.1	1570.7	1358.7	1589.6	2974.8	8693.5	16667.9	17579.9	16789.0
60°	1960.5	1771.2	1657.7	1415.5	1241.4	1317.1	2357.8	7664.0	12928.5	14680.8	14707.3
62.5°	1854.5	1650.1	1551.7	1267.9	1120.3	1135.4	1922.6	6441.6	10487.4	12152.7	12875.5
65°	1714.5	1517.7	1400.3	1173.3	1033.3	984.1	1407.9	4719.5	7966.8	9859.1	10680.4
67.5°	1532.8	1347.4	1199.8	1021.9	923.5	844.0	961.3	2656.9	4704.4	6619.4	6869.2
70°	1339.8	1180.8	1025.7	878.1	768.3	711.5	703.9	1177.1	2248.1	3561.4	4053.5
72.5°	1056.0	942.4	817.5	707.7	635.8	552.5	503.3	488.2	760.7	1449.5	2002.1
75°	756.9	662.3	590.4	518.5	465.5	420.1	382.2	348.2	317.9	363.3	499.6
77.5°	476.8	442.8	386.0	367.1	336.8	325.5	310.3	291.4	268.7	253.6	253.6
80°	321.7	299.0	280.1	276.3	264.9	261.1	264.9	246.0	223.3	204.4	211.9
82.5°	215.7	211.9	208.1	204.4	208.1	211.9	219.5	215.7	196.8	185.4	189.2
85°	128.7	136.2	143.8	151.4	166.5	147.6	121.1	102.2	90.8	83.3	79.5
87.5°	49.2	68.1	60.6	56.8	60.6	56.8	53.0	49.2	41.6	37.8	37.8
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: P650969

CATALOG NUMBER: GALN-SA6C-840-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7	11588.7
2.5°	12531.2	12606.8	12671.2	12656.0	12523.6	12345.7	12273.8	11906.7	11831.0	11781.7
5°	12701.5	13140.5	13235.1	13178.3	12833.9	12398.7	11974.8	11437.3	11123.2	11111.9
7.5°	12387.3	12928.5	13098.8	13227.5	12769.6	12012.7	11286.0	10479.9	10283.1	10298.2
10°	11588.7	12451.7	12871.8	13004.2	12478.2	11823.5	10816.7	9999.2	9579.1	9571.5
12.5°	11145.9	11823.5	11940.8	12126.2	11971.0	11308.7	10544.2	9628.3	9219.5	9212.0
15°	10752.4	11198.9	11233.0	11494.1	11577.4	11130.8	10616.1	9639.6	9310.4	9276.3
17.5°	11096.7	10786.4	10657.7	10691.8	10937.8	11100.5	11032.4	10283.1	9946.2	9756.9
20°	11327.6	10635.0	10245.2	10283.1	10574.5	11168.6	11653.1	11214.1	10680.4	10703.2
22.5°	11944.6	10657.7	10048.4	10006.7	10468.5	11524.4	12353.3	12391.1	11876.4	11751.5
25°	12868.0	10918.9	9987.8	9976.4	10419.3	11906.7	13170.7	13783.9	13257.8	13026.9
27.5°	13609.8	11327.6	10177.0	10214.9	10574.5	12217.0	13867.2	14680.8	14279.7	13995.8
30°	14260.8	11751.5	10442.0	10267.9	10990.8	12379.8	14166.1	15702.7	15381.0	15146.4
32.5°	14529.5	12353.3	10862.1	10574.5	11335.2	12576.6	14786.8	16694.4	16418.0	15839.0
35°	14983.7	12690.1	11089.2	11066.5	11937.0	13049.6	15078.3	17349.1	17235.5	16720.8
37.5°	15347.0	13030.7	11895.4	11645.5	12762.0	13844.5	15547.6	18253.7	17992.4	17750.2
40°	15627.0	13640.1	12648.5	12977.7	13776.3	14567.3	15979.0	18310.4	19063.5	18359.6
42.5°	15369.7	14185.1	13886.1	14673.3	15430.2	15392.4	16028.2	18749.4	19313.3	18946.2
45°	15305.4	15108.6	15842.8	16558.1	16732.2	16077.4	15676.2	18265.0	19237.6	19074.9
47.5°	15150.2	16016.8	17296.1	18461.8	18196.9	16535.4	15256.2	18178.0	19283.0	18991.6
50°	15097.2	16213.6	18371.0	19506.3	19347.4	16932.8	15059.4	17617.8	18961.4	18934.9
52.5°	15093.4	16618.7	18817.5	20074.1	20172.5	17561.0	15328.1	17901.6	19211.1	19434.4
55°	15263.7	16489.9	18760.8	19760.0	19722.1	17281.0	15358.3	18090.9	19517.7	19737.3
57.5°	14397.0	14771.7	15483.2	16274.2	16069.8	14313.7	13715.8	16724.6	17913.0	17754.0
60°	12432.8	11259.5	10457.2	10419.3	10021.9	9473.1	11225.4	14926.8	14926.8	14771.7
62.5°	10888.6	7391.5	6350.7	6055.5	6339.4	6971.4	10828.0	14518.1	14105.6	13927.7
65°	9522.3	5643.0	4590.9	4507.6	4999.6	5953.4	9791.0	12368.4	11641.7	11051.3
67.5°	6127.4	4132.9	3413.8	3266.2	3860.4	4371.3	6517.2	7607.3	7149.3	6918.4
70°	3951.3	2690.9	1899.9	1782.6	2013.4	2694.7	4163.2	4435.7	3769.5	3614.4
72.5°	1869.6	1161.9	666.1	548.8	616.9	1029.5	1646.3	1771.2	1472.3	1347.4
75°	594.2	427.6	272.5	234.6	223.3	264.9	378.4	291.4	211.9	208.1
77.5°	264.9	253.6	215.7	181.7	158.9	132.5	109.8	90.8	94.6	98.4
80°	219.5	200.6	177.9	158.9	132.5	102.2	79.5	60.6	60.6	64.3
82.5°	193.0	174.1	155.2	132.5	113.5	83.3	60.6	41.6	37.8	37.8
85°	83.3	98.4	106.0	113.5	90.8	68.1	41.6	26.5	22.7	22.7
87.5°	34.1	30.3	26.5	22.7	18.9	18.9	15.1	11.4	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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