

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: P646929

Luminaire Tested: **GALN-SA5C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P646929  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5C-835-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14379.8 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

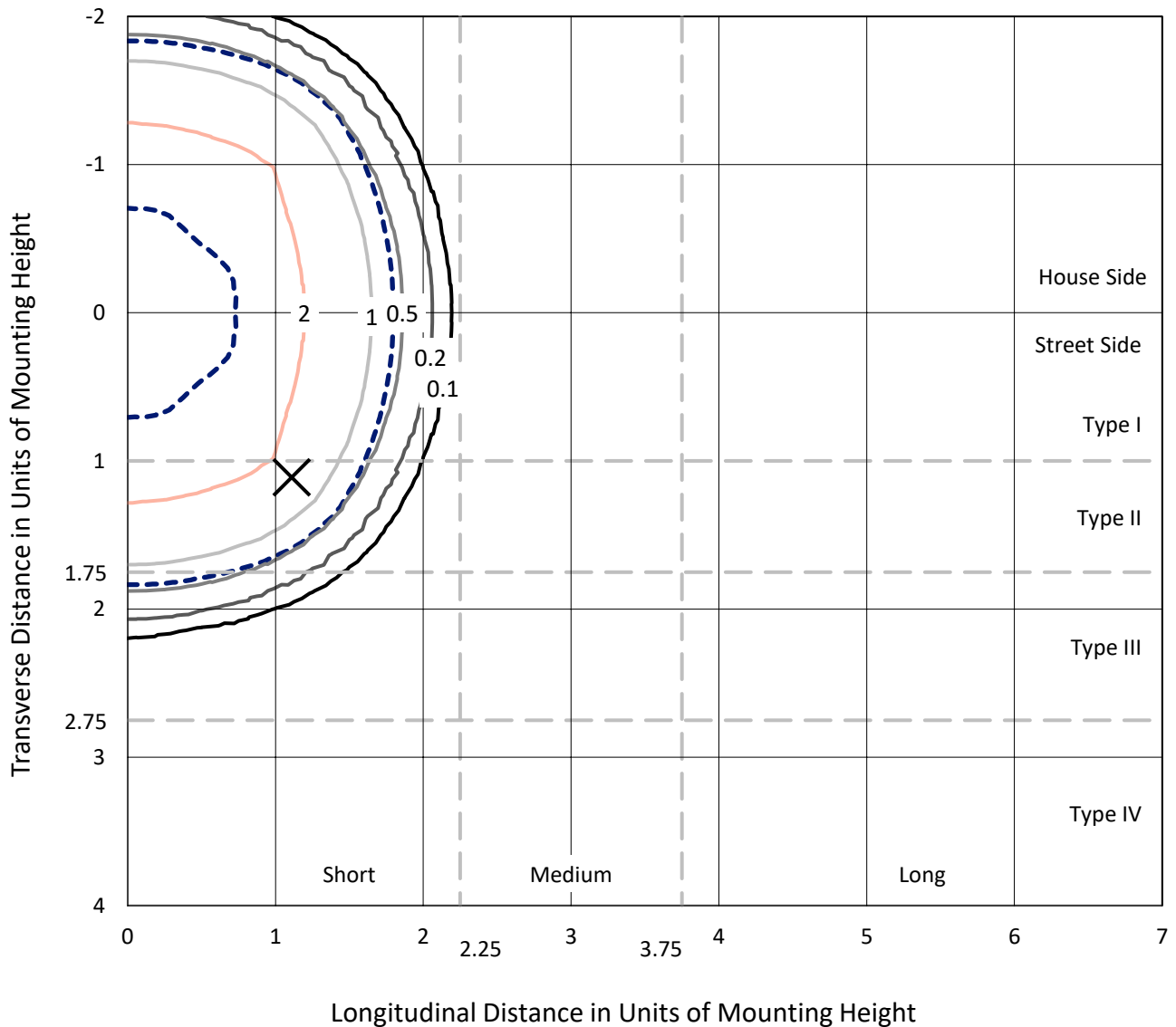
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

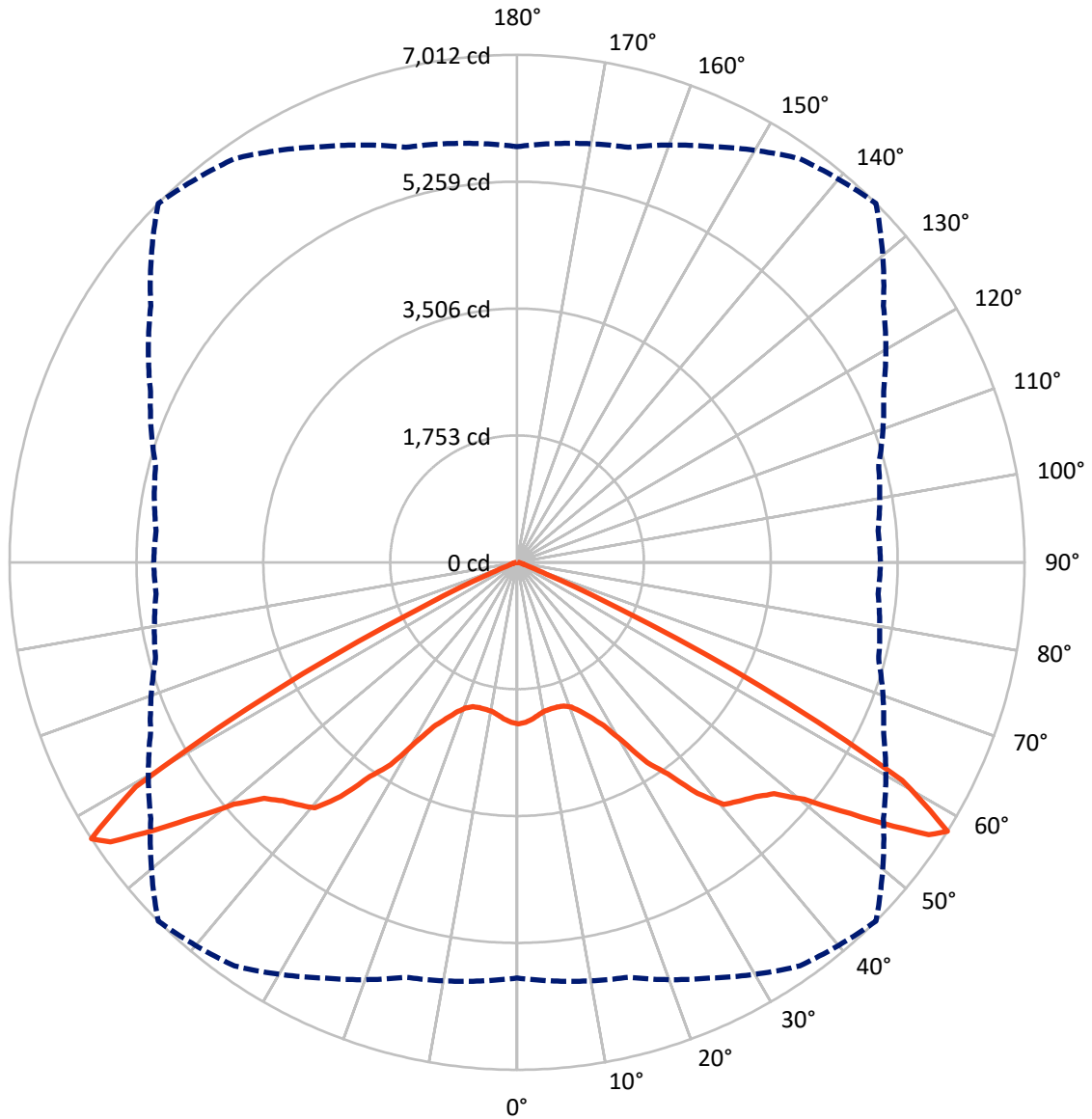
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7189.9	0.0	7189.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7189.9	0.0	7189.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14379.8	0.0	14379.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.0	1.4
10°-20°	592.5	4.1
20°-30°	1093.6	7.6
30°-40°	2150.7	15.0
40°-50°	3502.8	24.4
50°-60°	4995.5	34.7
60°-70°	1729.6	12.0
70°-80°	92.8	0.6
80°-90°	17.4	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°	14379.8	100.0
0°-180°	14379.8	100.0

**Coefficient of Utilization**



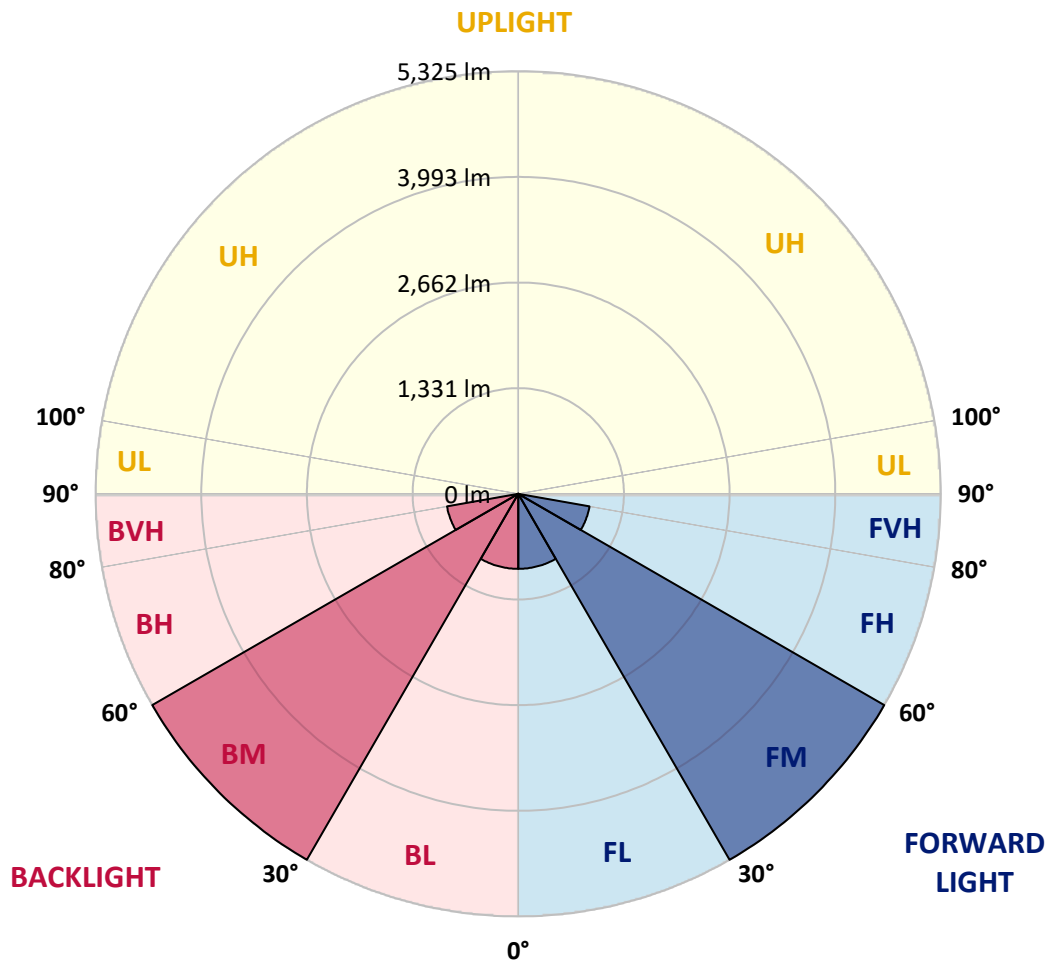
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	945.5	6.6			
FM (30°-60°)	5324.5	37.0			
FH (60°-80°)	911.2	6.3			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	945.5	6.6	B2/1000		
BM (30°-60°)	5324.5	37.0	B4/8500		
BH (60°-80°)	911.2	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5	2230.5
2.5°	2224.4	2236.5	2221.4	2215.5	2212.4	2212.4	2203.4	2203.4	2200.5	2203.4	2191.5
5°	2188.5	2200.5	2200.5	2197.5	2179.5	2176.5	2167.5	2161.5	2164.5	2152.5	2161.5
7.5°	2152.5	2161.5	2149.5	2146.5	2140.5	2128.5	2125.5	2098.5	2101.6	2101.6	2107.5
10°	2146.5	2143.5	2125.5	2110.6	2092.6	2089.6	2080.6	2074.6	2074.6	2071.6	2080.6
12.5°	2146.5	2131.6	2128.5	2095.5	2065.6	2077.5	2053.6	2038.6	2059.6	2065.6	2077.5
15°	2143.5	2158.5	2107.5	2092.6	2071.6	2074.6	2053.6	2038.6	2050.6	2056.5	2065.6
17.5°	2161.5	2152.5	2137.5	2107.5	2098.5	2086.5	2059.6	2047.5	2047.5	2062.6	2065.6
20°	2209.5	2185.5	2155.5	2140.5	2149.5	2134.5	2101.6	2056.5	2068.6	2080.6	2089.6
22.5°	2254.4	2236.5	2215.5	2206.5	2257.5	2233.4	2176.5	2125.5	2107.5	2128.5	2143.5
25°	2341.4	2341.4	2302.4	2314.4	2371.4	2374.4	2308.4	2218.5	2206.5	2215.5	2221.4
27.5°	2518.3	2527.3	2494.2	2506.3	2530.3	2551.2	2494.2	2419.3	2392.4	2389.3	2398.3
30°	2710.1	2728.1	2725.2	2776.0	2845.0	2857.0	2773.1	2650.1	2569.3	2554.2	2566.2
32.5°	2961.9	2970.9	2965.0	3024.9	3210.8	3297.7	3078.8	2905.0	2797.0	2824.0	2797.0
35°	3435.6	3426.6	3360.6	3372.7	3525.5	3588.5	3378.6	3267.8	3216.8	3270.7	3258.8
37.5°	3843.4	3810.4	3756.4	3834.4	3993.2	4050.2	3831.4	3636.5	3543.5	3633.5	3672.4
40°	4188.1	4104.2	4029.2	4107.1	4320.0	4398.0	4077.2	3918.3	3882.3	3948.3	4032.2
42.5°	4478.9	4425.0	4326.0	4332.0	4472.9	4508.9	4251.1	4158.1	4122.2	4227.1	4269.1
45°	4685.8	4634.8	4541.9	4535.8	4643.8	4619.8	4388.9	4326.0	4347.0	4416.0	4436.9
47.5°	4790.7	4817.6	4763.7	4778.7	4835.7	4778.7	4595.8	4595.8	4547.8	4589.8	4568.8
50°	5093.5	5009.6	5078.5	5078.5	5138.4	5144.5	4961.6	4895.6	4766.7	4694.8	4694.8
52.5°	5447.3	5453.2	5480.2	5579.1	5681.1	5768.0	5507.2	5225.4	5009.6	4916.6	4904.6
55°	5738.1	5798.0	5905.9	6091.8	6385.6	6505.5	6055.8	5552.2	5288.3	5144.5	5114.5
56°	5896.9	5839.9	6025.8	6280.7	6664.4	6820.2	6145.8	5618.1	5327.3	5165.5	5162.4
57.5°	5744.0	5807.0	5935.9	6337.6	6808.3	7012.2	6178.7	5588.1	5171.4	5006.5	5021.5
60°	4535.8	4595.8	4769.7	5219.4	5956.9	6115.8	5228.4	4607.8	4236.1	3999.3	4002.2
62.5°	2566.2	2611.2	2746.1	3162.9	3621.5	3774.4	3258.8	2845.0	2587.2	2455.3	2413.4
65°	944.4	926.4	947.4	1160.2	1442.0	1570.9	1355.1	1145.2	1010.3	962.3	944.4
67.5°	353.8	326.7	305.8	326.7	410.7	434.7	398.7	332.8	311.8	320.8	326.7
70°	218.8	206.9	164.9	155.9	152.9	149.9	158.9	167.9	191.8	224.9	230.8
72.5°	152.9	143.9	116.9	111.0	104.9	101.9	116.9	128.9	149.9	173.9	176.9
75°	60.0	63.0	60.0	65.9	69.0	72.0	83.9	92.9	101.9	101.9	98.9
77.5°	12.0	12.0	18.0	24.0	30.0	39.0	56.9	65.9	69.0	65.9	56.9
80°	0.0	0.0	6.0	12.0	24.0	33.0	51.0	56.9	63.0	56.9	44.9
82.5°	0.0	0.0	6.0	15.0	24.0	30.0	48.0	60.0	69.0	63.0	48.0
85°	0.0	0.0	6.0	12.0	18.0	21.0	21.0	15.0	15.0	9.0	6.0
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

(END OF REPORT)