

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: P647036

Luminaire Tested: **GALN-SA7C-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-835-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26339.3 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

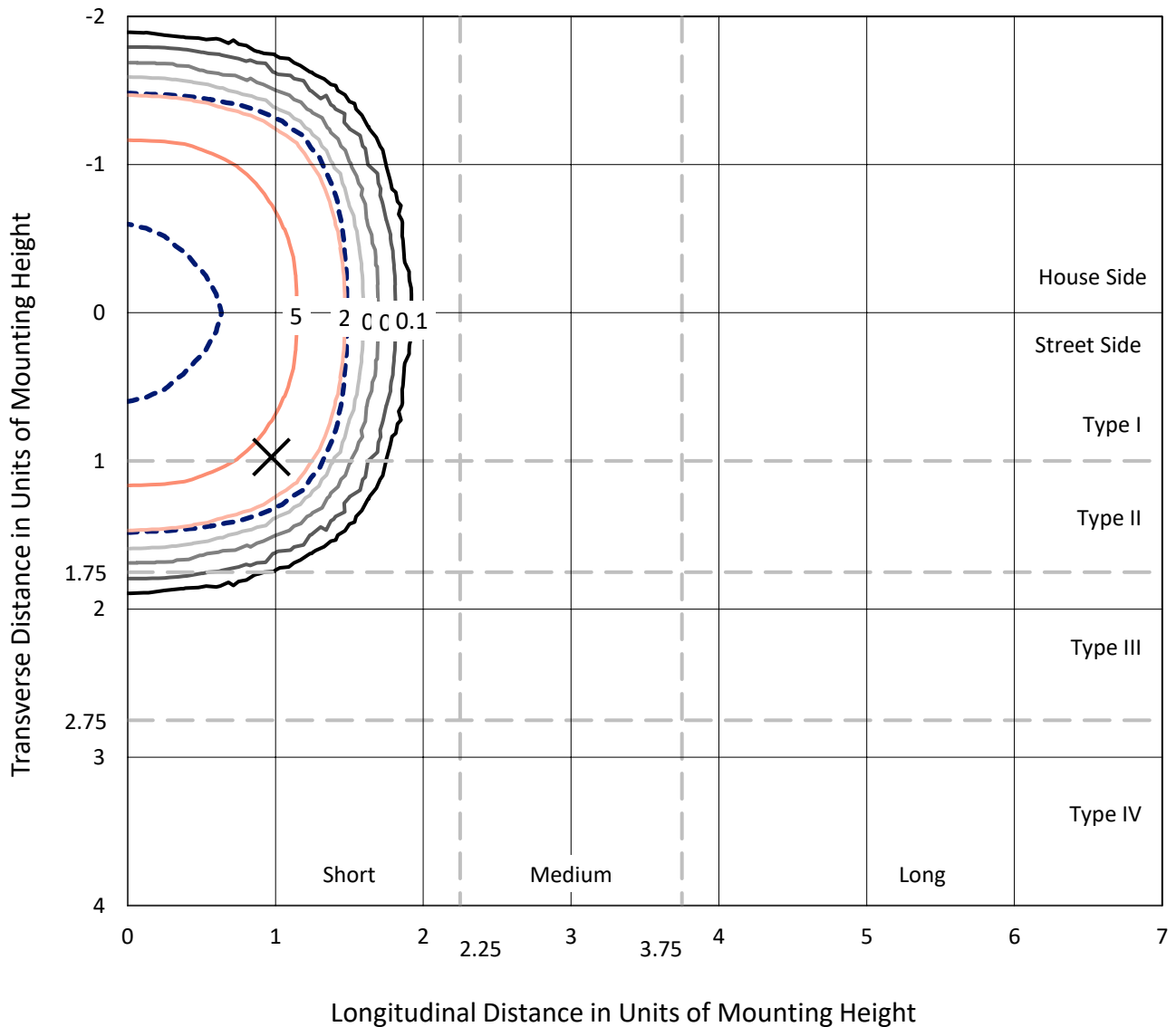
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

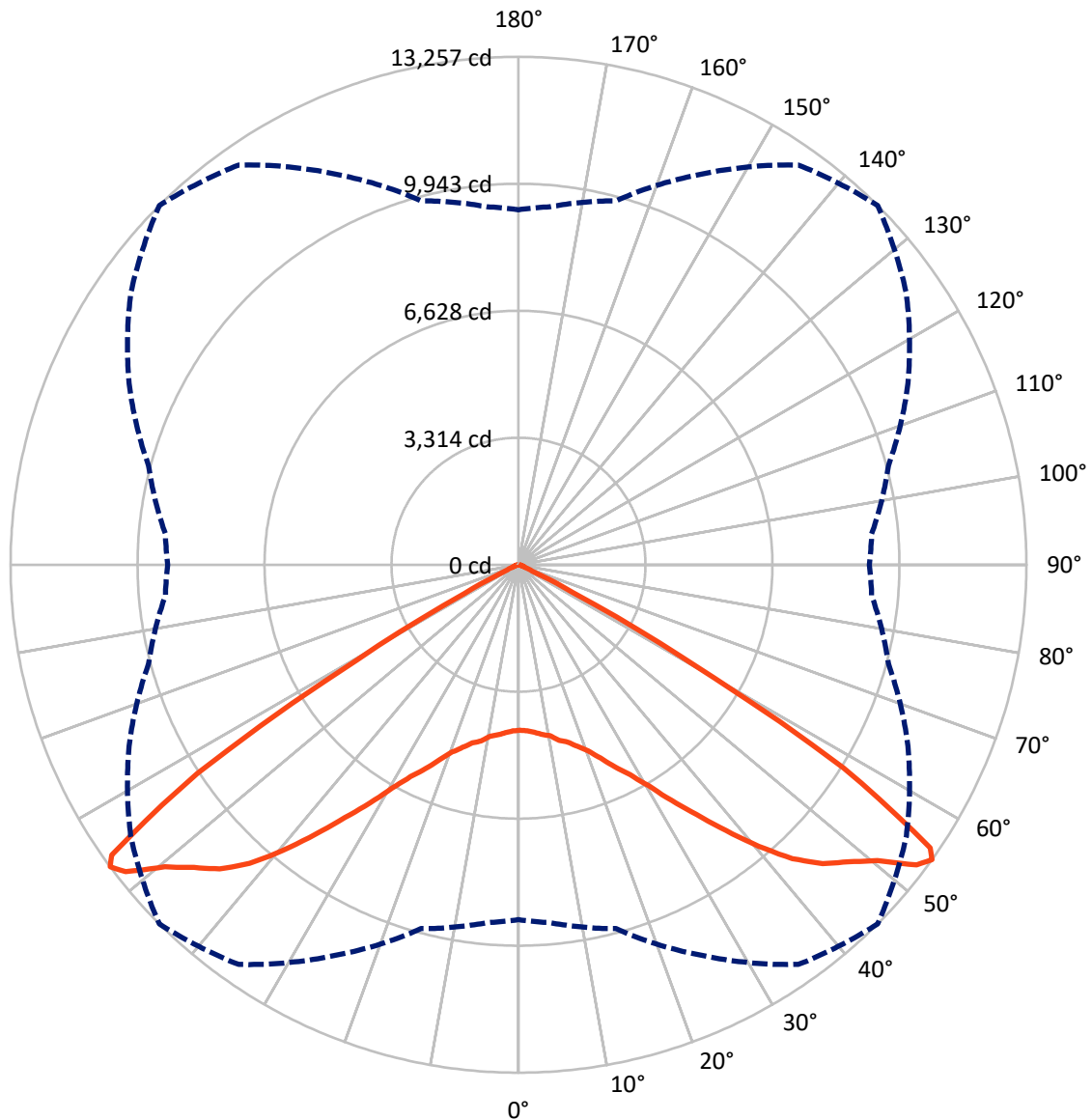
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13169.7	0.0	13169.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13169.7	0.0	13169.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26339.3	0.0	26339.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.7	1.6
10°-20°	1368.9	5.2
20°-30°	2683.0	10.2
30°-40°	4824.5	18.3
40°-50°	8258.7	31.4
50°-60°	7991.0	30.3
60°-70°	684.1	2.6
70°-80°	81.1	0.3
80°-90°	25.4	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°	26339.3	100.0
0°-180°	26339.3	100.0

**Coefficient of Utilization**



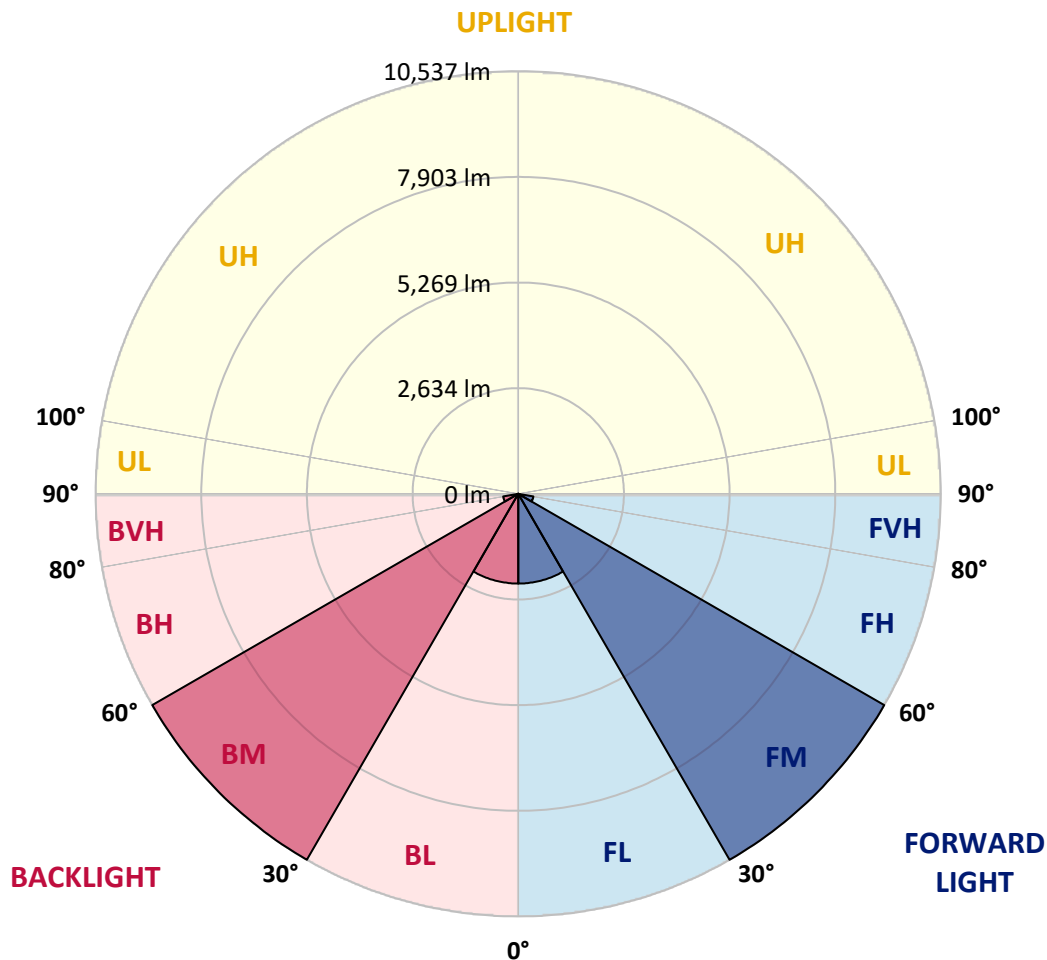
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2237.3	8.5			
FM (30°-60°)	10537.1	40.0			
FH (60°-80°)	382.6	1.5			G0/660
FVH (80°-90°)	12.7	0.0			G1/100
BL (0°-30°)	2237.3	8.5	B3/2500		
BM (30°-60°)	10537.1	40.0	B5		
BH (60°-80°)	382.6	1.5	B1/500		G0/660
BVH (80°-90°)	12.7	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8	4318.8
2.5°	4339.7	4364.8	4348.1	4360.5	4360.5	4339.7	4352.2	4302.1	4335.5	4310.5	4314.6
5°	4406.5	4402.3	4402.3	4406.5	4389.7	4398.1	4381.4	4364.8	4352.2	4335.5	4385.6
7.5°	4489.9	4489.9	4460.7	4469.1	4460.7	4473.2	4439.8	4406.5	4394.0	4381.4	4373.1
10°	4569.2	4560.8	4548.4	4585.9	4556.7	4540.0	4523.3	4502.4	4456.5	4439.8	4423.2
12.5°	4686.0	4681.9	4665.2	4702.7	4686.0	4702.7	4640.1	4585.9	4577.6	4523.3	4552.5
15°	4823.7	4861.3	4832.0	4832.0	4823.7	4802.8	4777.9	4752.8	4677.7	4656.8	4661.0
17.5°	5003.1	4990.7	4994.8	4994.8	5036.6	4982.3	4932.2	4869.6	4832.0	4819.6	4777.9
20°	5174.2	5191.0	5186.7	5216.0	5241.0	5182.6	5128.3	5120.0	5015.7	5032.3	4973.9
22.5°	5474.7	5462.2	5483.0	5503.9	5487.2	5478.9	5428.8	5366.2	5274.4	5232.6	5224.3
25°	5791.9	5770.9	5733.4	5783.5	5808.5	5846.0	5750.1	5716.7	5574.8	5512.2	5516.4
27.5°	6063.1	6092.3	6134.0	6154.8	6217.4	6205.0	6138.2	6029.6	5921.2	5850.3	5804.4
30°	6434.5	6451.1	6522.1	6551.3	6659.7	6688.9	6584.6	6459.4	6267.5	6175.8	6121.5
32.5°	6776.6	6893.5	6889.3	7035.3	7210.6	7331.5	7143.8	6951.9	6759.9	6651.4	6555.4
35°	7331.5	7310.7	7431.7	7586.1	7869.9	8007.6	7803.1	7581.9	7289.9	7114.6	7039.5
37.5°	7849.0	7857.3	8020.1	8266.3	8591.8	8804.6	8625.1	8262.1	7961.7	7736.4	7632.1
40°	8600.1	8616.8	8783.7	9063.3	9430.5	9660.0	9451.4	9084.1	8683.5	8508.3	8508.3
42.5°	9480.6	9551.5	9660.0	9902.1	10231.7	10486.2	10298.4	10010.5	9605.8	9380.4	9413.8
45°	10386.0	10419.5	10490.4	10849.2	11003.7	11128.8	10953.5	10820.0	10548.8	10273.4	10227.5
47.5°	11233.2	11245.7	11454.3	11566.9	11688.0	11583.6	11696.3	11521.1	11216.5	10949.4	10895.1
50°	11608.7	11587.9	11884.1	12226.2	12318.1	12134.5	12038.5	11921.6	11458.5	11137.2	10995.3
52.5°	10515.4	10636.4	11187.3	12138.6	12856.3	13010.7	12451.6	11913.3	11049.5	10423.6	10327.6
54°	9263.6	9376.3	9831.1	11241.5	12735.3	13256.9	12355.6	11212.2	9993.8	9251.1	9155.1
55°	8024.3	7899.1	8725.3	10164.9	12167.8	13039.9	11975.9	10306.8	8913.0	8232.9	8099.4
57.5°	4343.8	4364.8	5061.6	6421.9	8550.0	9998.0	8829.6	6972.7	5266.1	4502.4	4435.7
60°	1377.0	1410.4	1715.0	2595.5	4085.1	4878.0	4181.1	2799.9	1936.2	1552.3	1489.7
62.5°	429.8	446.5	488.2	726.1	1118.3	1598.2	1251.9	751.1	559.1	513.3	521.6
65°	262.9	262.9	267.1	283.8	333.8	388.1	375.5	329.6	317.1	308.8	304.6
67.5°	171.1	166.9	175.2	187.8	196.1	200.3	212.8	225.3	221.1	212.8	212.8
70°	104.3	100.1	108.5	125.2	129.4	137.7	150.3	166.9	162.7	154.4	158.6
72.5°	58.4	58.4	62.6	75.1	87.6	96.0	108.5	121.0	125.2	121.0	121.0
75°	20.8	25.1	33.4	45.9	54.3	66.8	79.3	91.8	104.3	96.0	91.8
77.5°	8.4	8.4	16.7	29.2	41.7	54.3	75.1	87.6	96.0	87.6	79.3
80°	4.1	4.1	12.5	25.1	37.6	50.1	62.6	75.1	79.3	70.9	62.6
82.5°	4.1	4.1	12.5	25.1	37.6	45.9	66.8	75.1	83.5	75.1	62.6
85°	0.0	4.1	12.5	25.1	33.4	37.6	37.6	25.1	20.8	12.5	12.5
87.5°	0.0	0.0	4.1	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)