

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: P531708

Luminaire Tested: **GALN-SA7A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26726 lumens  
Efficiency: N/A  
Efficacy: 124.3 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

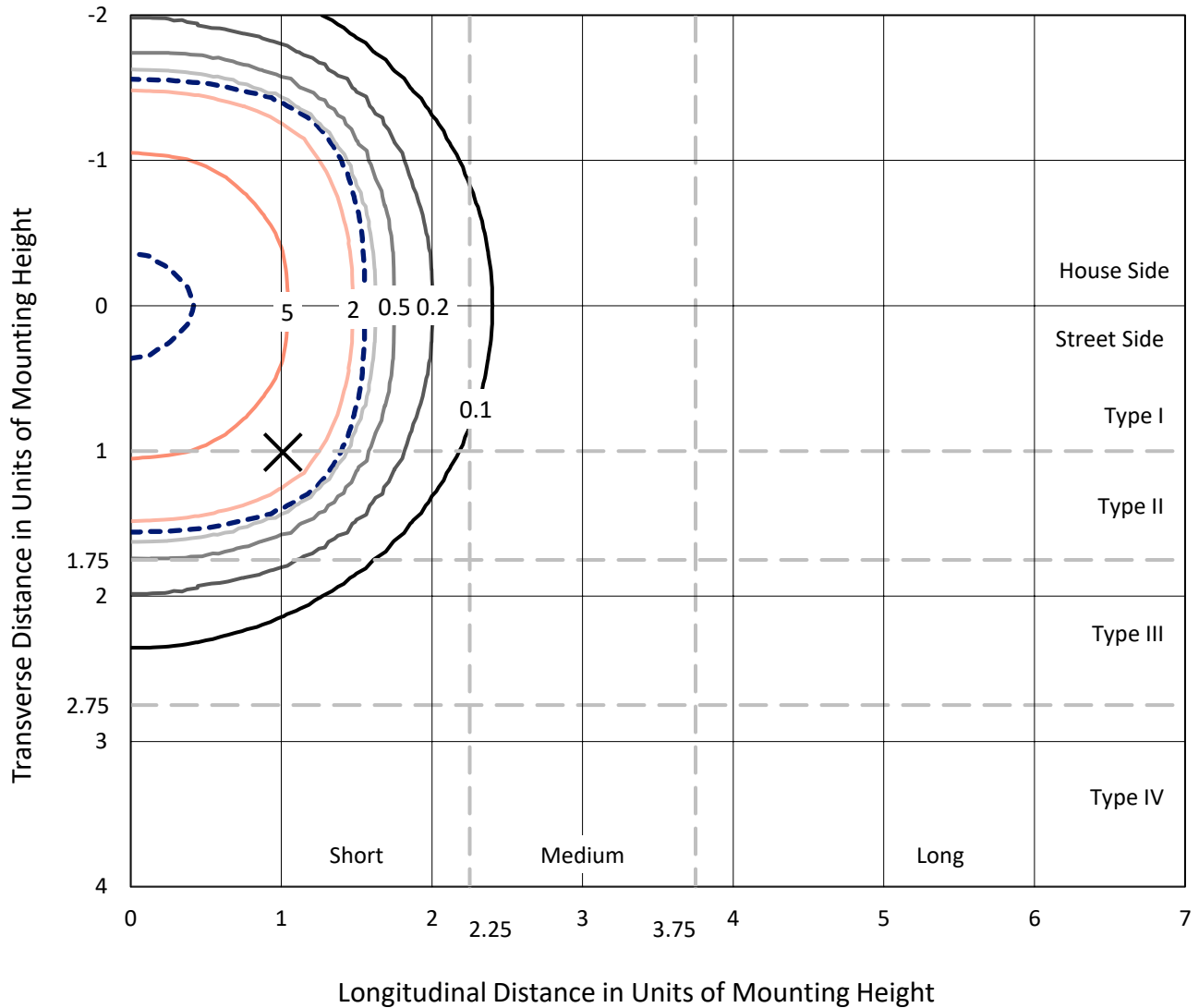
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

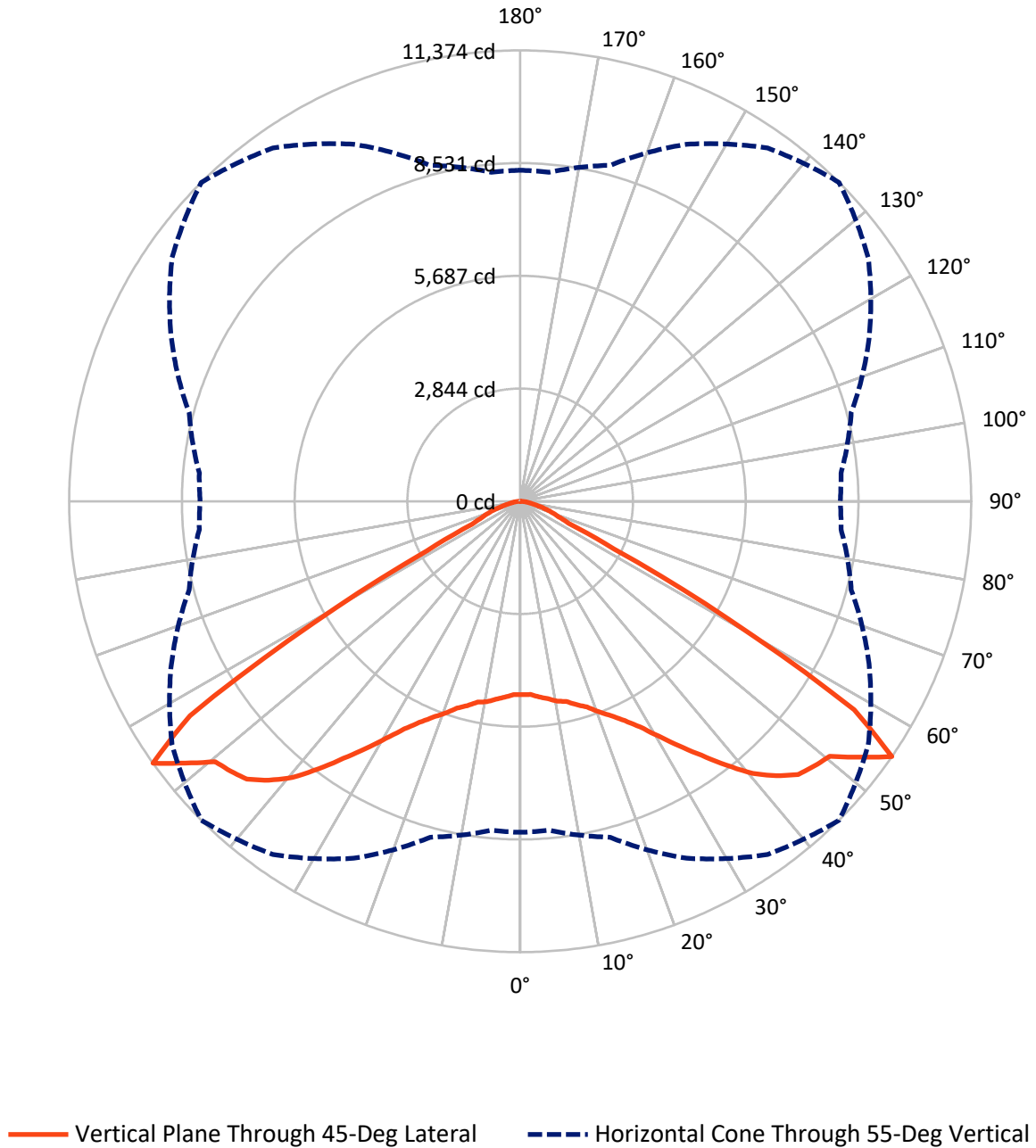
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type V - 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	13363.0	0.0	13363.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13363.0	0.0	13363.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26726.0	0.0	26726.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.7	1.8
10°-20°	1510.4	5.7
20°-30°	2816.5	10.5
30°-40°	4715.8	17.6
40°-50°	7338.1	27.5
50°-60°	7619.2	28.5
60°-70°	1615.8	6.0
70°-80°	532.1	2.0
80°-90°	101.3	0.4
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°	26726.0	100.0
0°-180°	26726.0	100.0

**Coefficient of Utilization**

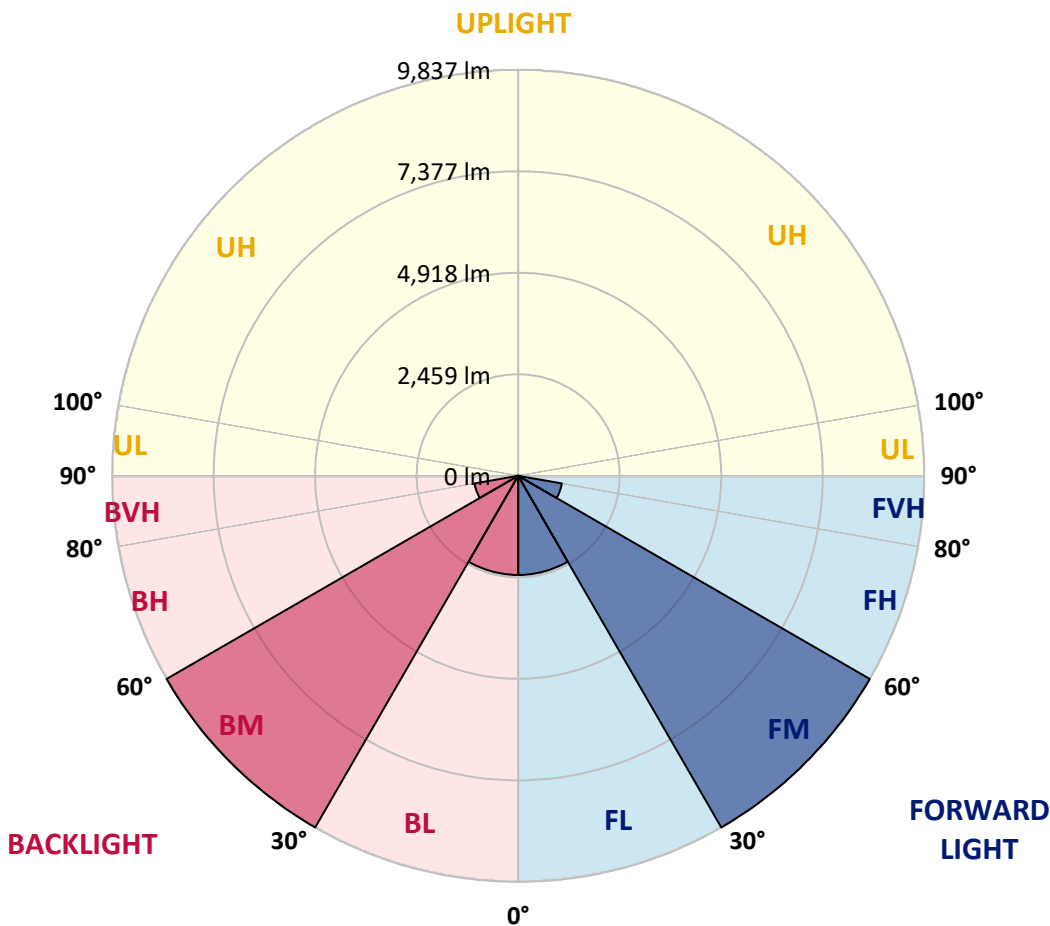


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2401.8	9.0			
FM (30°-60°)	9836.5	36.8			
FH (60°-80°)	1074.0	4.0			G1/1800
FVH (80°-90°)	50.7	0.2			G1/100
BL (0°-30°)	2401.8	9.0	B3/2500		
BM (30°-60°)	9836.5	36.8	B5		
BH (60°-80°)	1074.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	50.7	0.2			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°	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8	4879.8
2.5°	4937.9	4915.3	4876.5	4905.6	4928.2	4879.8	4899.1	4908.8	4902.4	4876.5	4886.2
5°	5008.9	4996.0	4963.7	4986.3	4957.3	4957.3	4937.9	4912.1	4950.8	4944.4	4960.5
7.5°	5008.9	4992.8	5057.4	5015.4	5028.3	5028.3	4996.0	4970.2	4989.6	4960.5	4944.4
10°	5109.1	5131.7	5102.6	5112.3	5105.8	5128.4	5080.0	5063.9	5047.7	5038.0	5018.6
12.5°	5228.6	5212.4	5222.1	5215.6	5238.2	5180.1	5151.0	5115.5	5144.6	5102.6	5131.7
15°	5325.4	5315.8	5325.4	5351.3	5328.7	5325.4	5273.8	5238.2	5193.0	5202.7	5157.5
17.5°	5457.8	5448.2	5451.4	5474.0	5470.8	5454.6	5415.9	5348.0	5331.9	5306.1	5277.0
20°	5654.8	5638.7	5632.2	5641.9	5658.1	5671.0	5593.5	5567.7	5512.8	5470.8	5422.3
22.5°	5822.8	5816.3	5842.2	5800.2	5835.7	5874.5	5800.2	5787.3	5651.6	5629.0	5577.3
25°	6055.3	6045.6	6029.5	6090.8	6132.8	6129.6	6058.5	5987.5	5884.1	5858.3	5858.3
27.5°	6300.7	6245.8	6329.8	6346.0	6420.2	6442.8	6381.5	6278.1	6181.3	6126.4	6139.3
30°	6607.5	6555.9	6575.3	6691.5	6788.4	6872.4	6717.4	6565.6	6429.9	6333.0	6316.9
32.5°	6914.4	6862.7	6920.8	7033.8	7227.6	7353.6	7201.8	6937.0	6778.7	6636.6	6665.7
35°	7163.0	7201.8	7295.4	7466.6	7666.8	7870.3	7628.1	7424.6	7198.5	7040.3	7062.9
37.5°	7563.5	7683.0	7757.3	7954.2	8238.4	8448.4	8196.5	7931.6	7689.4	7482.7	7411.7
40°	8086.7	8167.4	8251.4	8483.9	8819.8	9029.7	8790.7	8445.1	8206.2	7993.0	7983.3
42.5°	8661.5	8739.0	8826.2	9110.4	9310.6	9468.9	9249.3	9065.2	8800.4	8632.4	8622.8
45°	9330.0	9275.1	9372.0	9559.3	9727.2	9830.6	9688.5	9598.1	9407.5	9252.5	9236.4
47.5°	9775.7	9727.2	9901.6	10069.6	10095.4	9982.4	10011.4	10095.4	9895.2	9640.0	9720.8
50°	10034.0	10034.0	10150.3	10305.3	10256.9	10111.6	10340.8	10347.3	10147.1	9921.0	9921.0
52.5°	9585.1	9685.3	10014.7	10521.7	10683.2	10725.2	10673.5	10453.9	9930.7	9468.9	9446.3
55°	8351.5	8328.9	8774.5	9937.2	10876.9	11374.3	10715.5	9704.6	8642.1	8122.2	8070.5
57.5°	5432.0	5457.8	6123.1	7308.4	9003.8	9930.7	8819.8	7398.8	6123.1	5406.2	5474.0
60°	2444.7	2531.9	2935.6	3820.5	5277.0	6032.7	5289.9	4014.3	3080.9	2674.0	2709.5
62.5°	1404.8	1421.0	1437.1	1705.2	2247.7	2657.9	2334.9	1802.1	1588.9	1517.9	1517.9
65°	1185.2	1175.5	1178.8	1201.4	1259.5	1343.5	1307.9	1259.5	1266.0	1259.5	1249.8
67.5°	1007.6	1020.5	1010.8	1027.0	1030.2	1043.1	1065.7	1085.1	1088.3	1094.8	1088.3
70°	826.8	830.0	836.4	849.4	852.6	862.3	894.6	910.7	920.4	920.4	933.3
72.5°	633.0	629.8	636.2	649.1	665.3	668.5	697.6	720.2	733.1	716.9	720.2
75°	416.6	419.8	429.5	439.2	461.8	484.4	494.1	516.7	519.9	526.4	510.3
77.5°	248.7	255.1	264.8	284.2	303.6	322.9	345.6	361.7	368.2	361.7	342.3
80°	161.5	161.5	174.4	190.5	213.1	229.3	242.2	255.1	264.8	255.1	248.7
82.5°	100.1	100.1	116.3	135.6	151.8	161.5	180.9	197.0	206.7	200.2	190.5
85°	51.7	54.9	67.8	84.0	96.9	103.3	100.1	90.4	80.7	77.5	71.0
87.5°	16.1	16.1	19.4	19.4	16.1	16.1	19.4	16.1	19.4	19.4	19.4
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)