

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: P531682

Luminaire Tested: **GALN-SA7A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531682  
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-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 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: 26129 lumens  
Efficiency: N/A  
Efficacy: 121.5 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

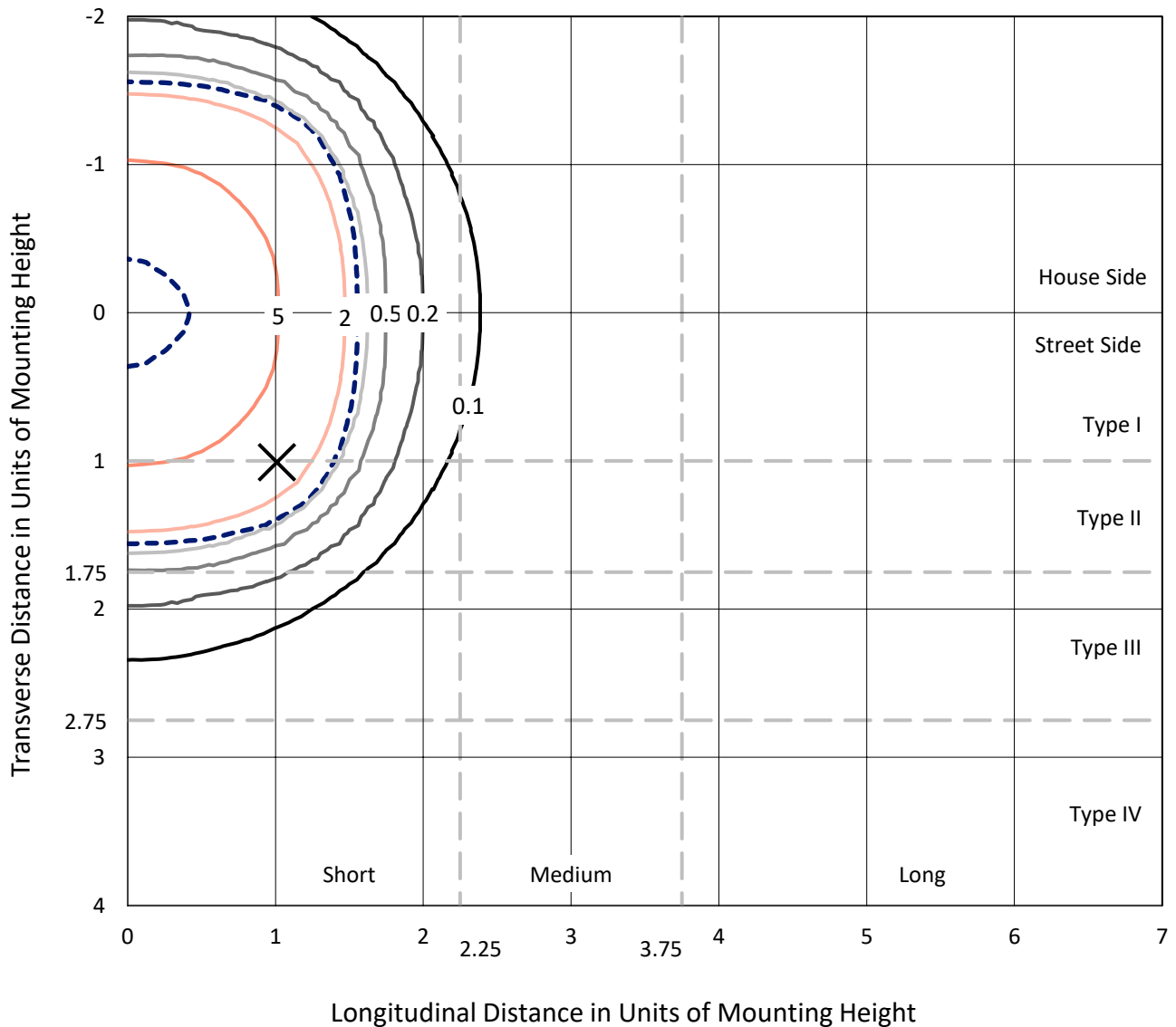
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

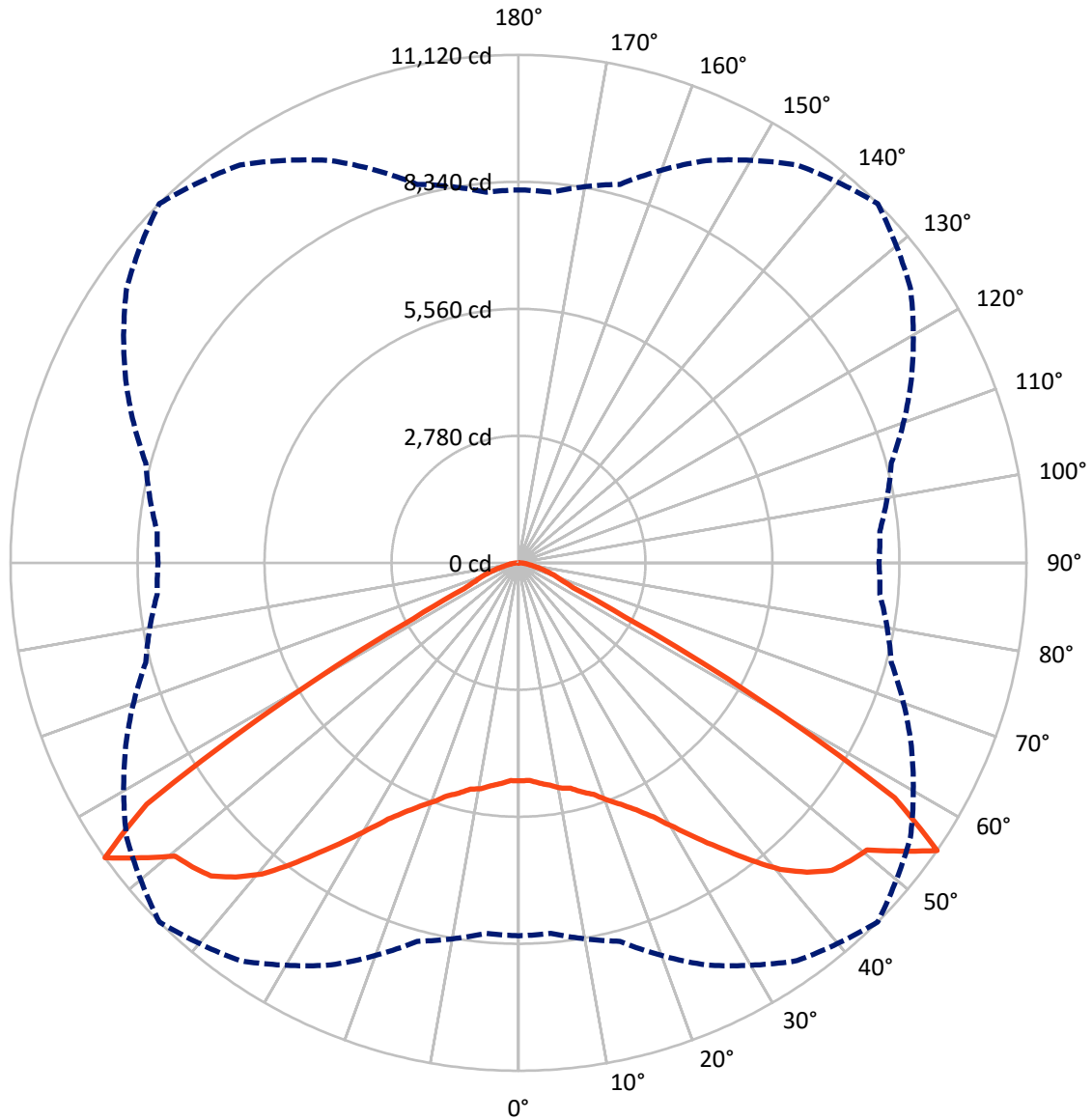
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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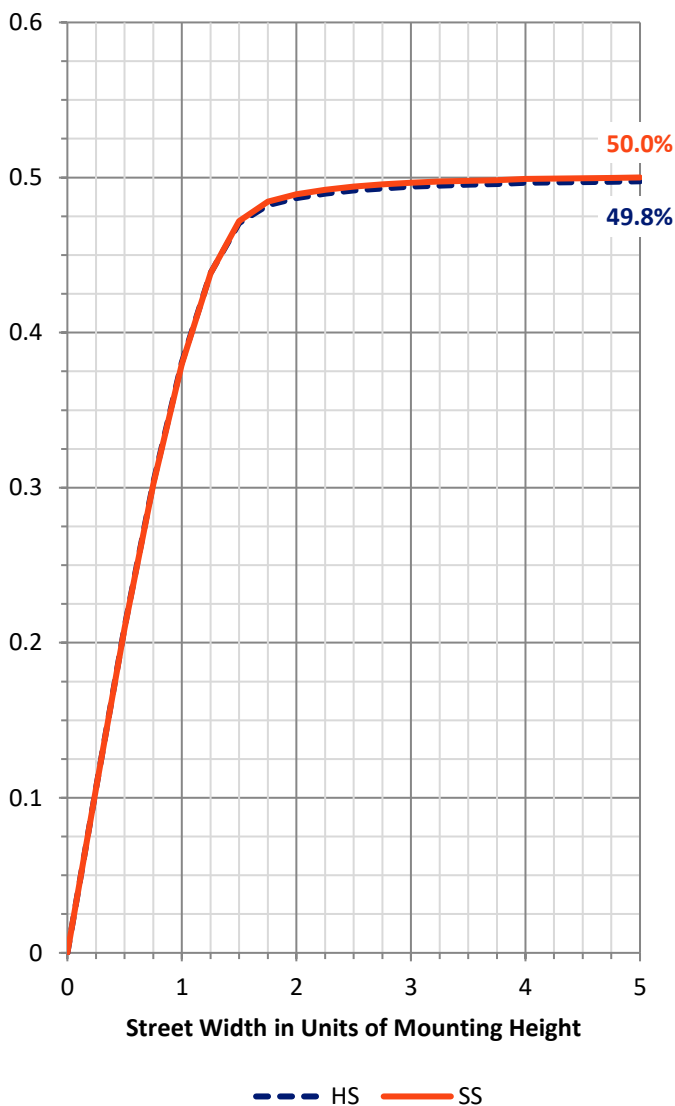
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13064.5	0.0	13064.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13064.5	0.0	13064.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26129.0	0.0	26129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.1	1.8
10°-20°	1476.7	5.7
20°-30°	2753.6	10.5
30°-40°	4610.4	17.6
40°-50°	7174.2	27.5
50°-60°	7449.0	28.5
60°-70°	1579.7	6.0
70°-80°	520.2	2.0
80°-90°	99.1	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°	26129.0	100.0
0°-180°	26129.0	100.0

**Coefficient of Utilization**

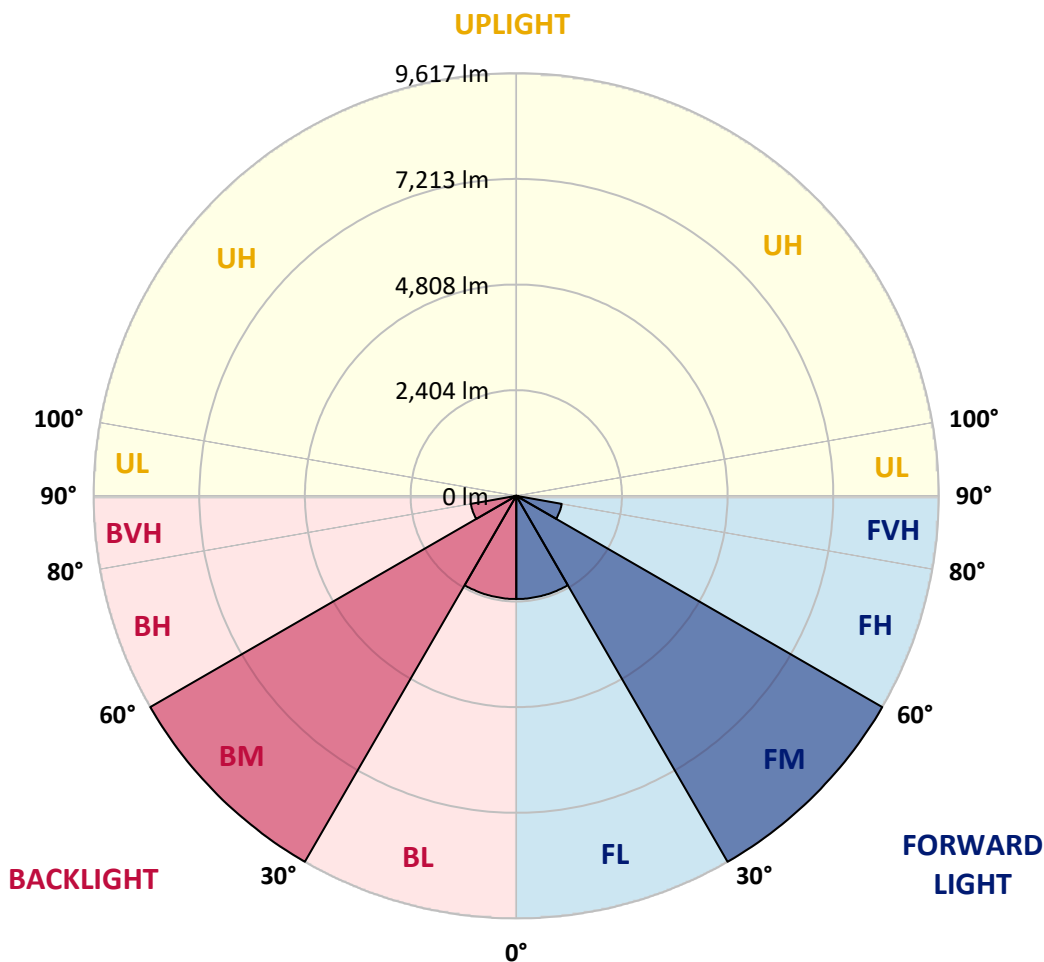


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2348.2	9.0			
FM (30°-60°)	9616.8	36.8			
FH (60°-80°)	1050.0	4.0			G1/1800
FVH (80°-90°)	49.5	0.2			G1/100
BL (0°-30°)	2348.2	9.0	B3/2500		
BM (30°-60°)	9616.8	36.8	B5		
BH (60°-80°)	1050.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	49.5	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°	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8	4770.8
2.5°	4827.6	4805.5	4767.6	4796.0	4818.1	4770.8	4789.7	4799.2	4792.9	4767.6	4777.1
5°	4897.1	4884.4	4852.9	4875.0	4846.5	4846.5	4827.6	4802.3	4840.2	4833.9	4849.7
7.5°	4897.1	4881.3	4944.4	4903.4	4916.0	4916.0	4884.4	4859.2	4878.1	4849.7	4833.9
10°	4994.9	5017.0	4988.6	4998.1	4991.8	5013.9	4966.5	4950.7	4934.9	4925.5	4906.5
12.5°	5111.8	5096.0	5105.4	5099.1	5121.2	5064.4	5036.0	5001.3	5029.7	4988.6	5017.0
15°	5206.5	5197.0	5206.5	5231.7	5209.6	5206.5	5156.0	5121.2	5077.0	5086.5	5042.3
17.5°	5335.9	5326.5	5329.6	5351.7	5348.6	5332.8	5294.9	5228.6	5212.8	5187.5	5159.1
20°	5528.5	5512.7	5506.4	5515.9	5531.7	5544.3	5468.5	5443.3	5389.6	5348.6	5301.2
22.5°	5692.7	5686.4	5711.7	5670.6	5705.3	5743.2	5670.6	5658.0	5525.4	5503.3	5452.8
25°	5920.0	5910.6	5894.8	5954.8	5995.8	5992.7	5923.2	5853.7	5752.7	5727.4	5727.4
27.5°	6160.0	6106.3	6188.4	6204.2	6276.8	6298.9	6238.9	6137.9	6043.2	5989.5	6002.1
30°	6460.0	6409.4	6428.4	6542.0	6636.8	6718.9	6567.3	6418.9	6286.3	6191.6	6175.8
32.5°	6759.9	6709.4	6766.2	6876.7	7066.2	7189.3	7040.9	6782.0	6627.3	6488.4	6516.8
35°	7003.0	7040.9	7132.5	7299.8	7495.6	7694.5	7457.7	7258.8	7037.7	6883.0	6905.1
37.5°	7394.5	7511.4	7584.0	7776.6	8054.4	8259.6	8013.4	7754.5	7517.7	7315.6	7246.1
40°	7906.0	7985.0	8067.0	8294.4	8622.7	8828.0	8594.3	8256.5	8022.8	7814.5	7805.0
42.5°	8468.0	8543.8	8629.1	8906.9	9102.7	9257.4	9042.7	8862.7	8603.8	8439.6	8430.1
45°	9121.6	9067.9	9162.6	9345.8	9510.0	9611.0	9472.1	9383.7	9197.4	9045.8	9030.0
47.5°	9557.3	9510.0	9680.5	9844.6	9869.9	9759.4	9787.8	9869.9	9674.1	9424.7	9503.6
50°	9809.9	9809.9	9923.6	10075.1	10027.8	9885.7	10109.9	10116.2	9920.4	9699.4	9699.4
52.5°	9371.0	9468.9	9791.0	10286.7	10444.5	10485.6	10435.1	10220.4	9708.9	9257.4	9235.3
55°	8164.9	8142.8	8578.5	9715.2	10634.0	11120.2	10476.1	9487.9	8449.1	7940.8	7890.2
57.5°	5310.7	5335.9	5986.3	7145.1	8802.7	9708.9	8622.7	7233.5	5986.3	5285.4	5351.7
60°	2390.1	2475.4	2870.0	3735.2	5159.1	5897.9	5171.7	3924.6	3012.1	2614.3	2649.0
62.5°	1373.5	1389.2	1405.0	1667.1	2197.5	2598.5	2282.8	1761.8	1553.4	1484.0	1484.0
65°	1158.7	1149.3	1152.4	1174.5	1231.4	1313.5	1278.7	1231.4	1237.7	1231.4	1221.9
67.5°	985.1	997.7	988.3	1004.0	1007.2	1019.8	1041.9	1060.9	1064.0	1070.3	1064.0
70°	808.3	811.4	817.8	830.4	833.5	843.0	874.6	890.4	899.8	899.8	912.5
72.5°	618.8	615.7	622.0	634.6	650.4	653.6	682.0	704.1	716.7	700.9	704.1
75°	407.3	410.5	419.9	429.4	451.5	473.6	483.1	505.2	508.3	514.6	498.9
77.5°	243.1	249.4	258.9	277.8	296.8	315.7	337.8	353.6	359.9	353.6	334.7
80°	157.9	157.9	170.5	186.3	208.4	224.2	236.8	249.4	258.9	249.4	243.1
82.5°	97.9	97.9	113.7	132.6	148.4	157.9	176.8	192.6	202.1	195.8	186.3
85°	50.5	53.7	66.3	82.1	94.7	101.0	97.9	88.4	78.9	75.8	69.5
87.5°	15.8	15.8	18.9	18.9	15.8	15.8	18.9	15.8	18.9	18.9	18.9
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)