

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: P529340

Luminaire Tested: **GALN-SA4C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529340  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4C-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22356 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

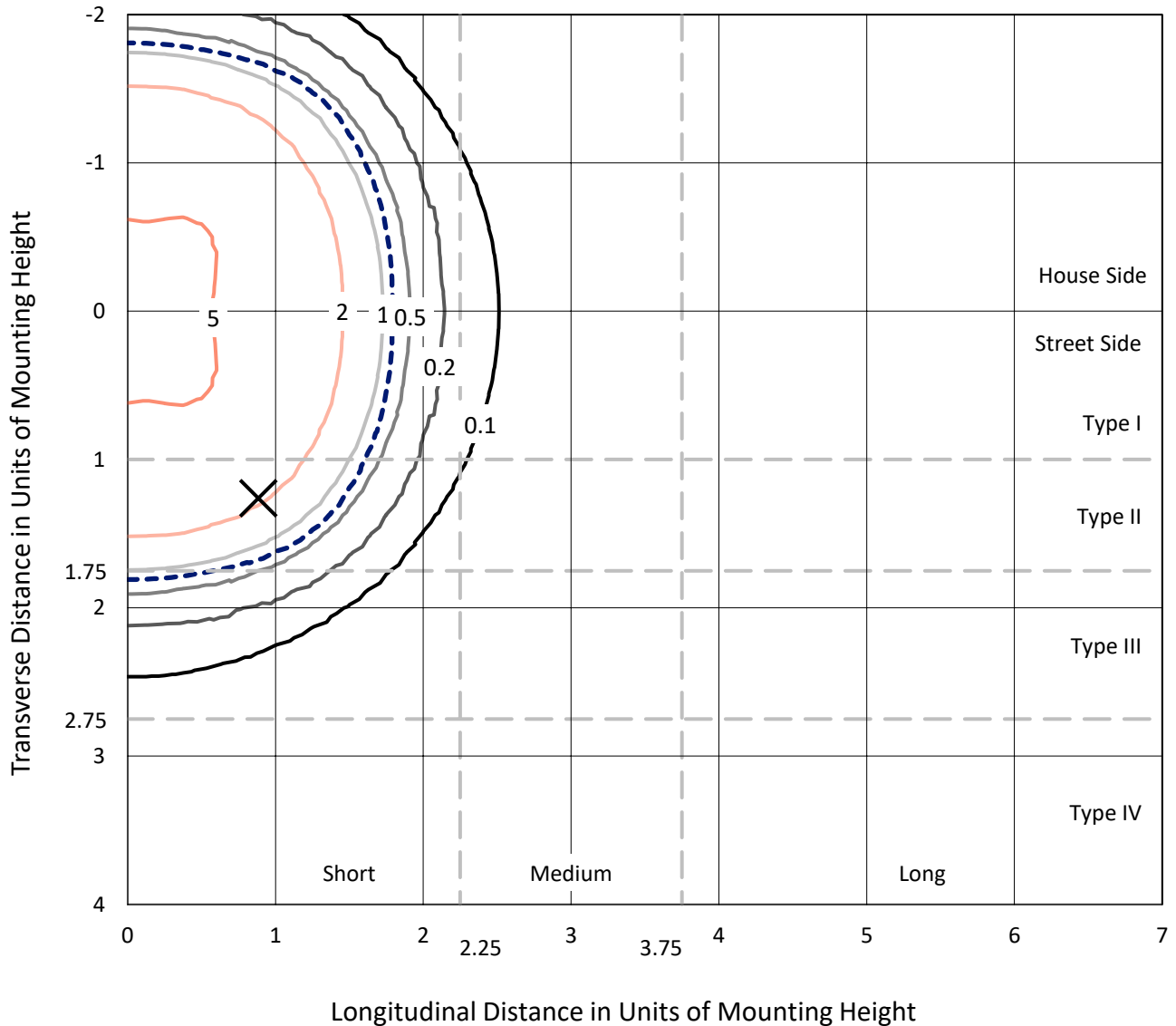
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

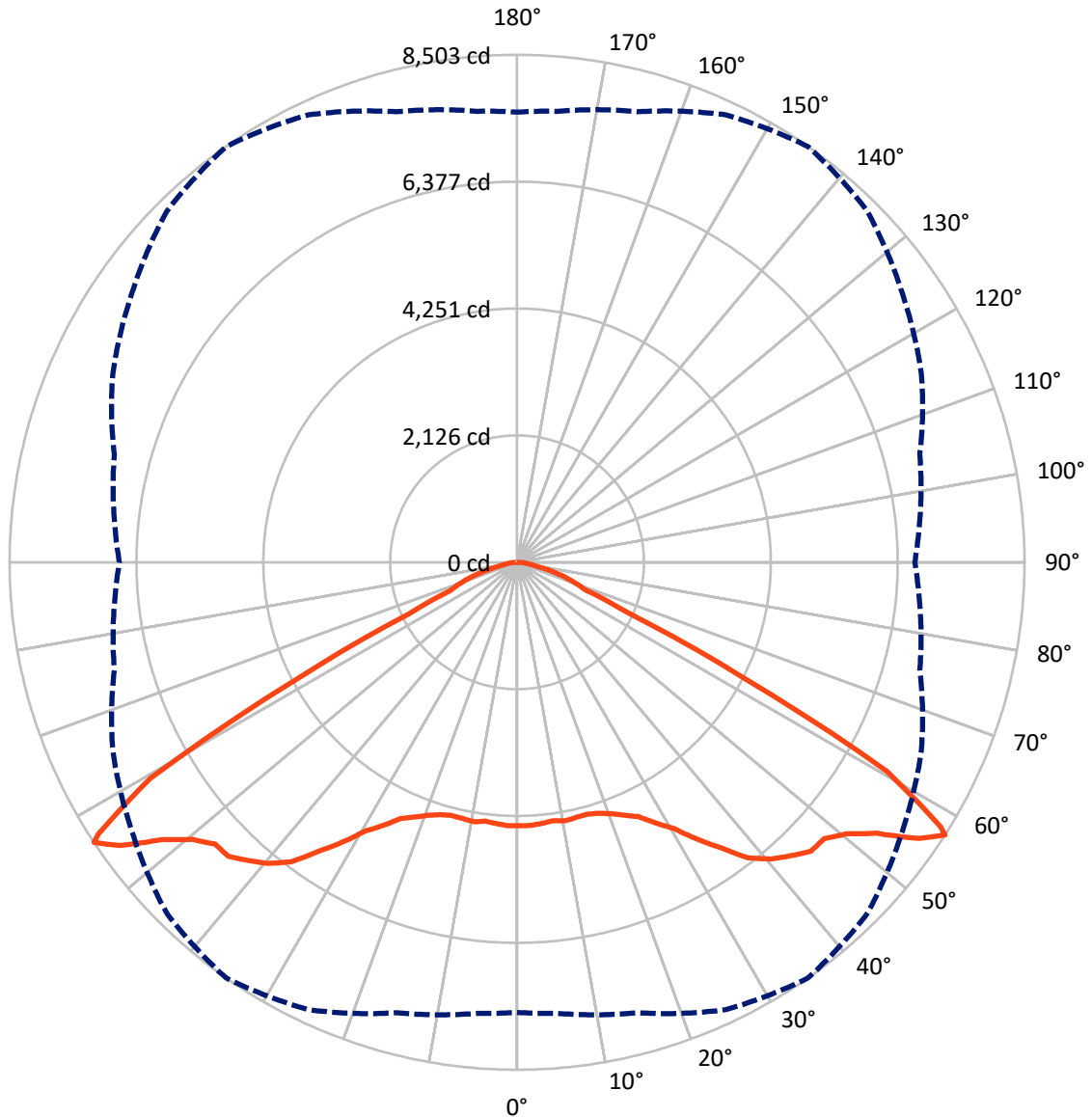
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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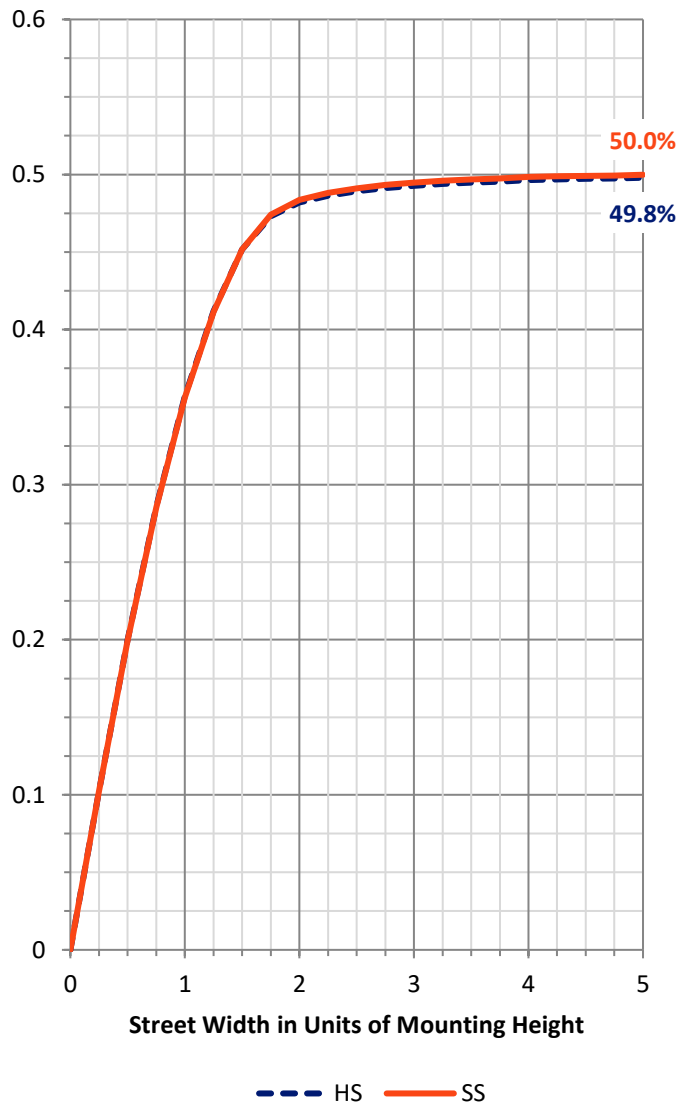
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11178.0	0.0	11178.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11178.0	0.0	11178.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22356.0	0.0	22356.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.6	1.9
10°-20°	1239.7	5.5
20°-30°	2165.1	9.7
30°-40°	3547.6	15.9
40°-50°	5201.6	23.3
50°-60°	6551.8	29.3
60°-70°	2464.1	11.0
70°-80°	655.2	2.9
80°-90°	112.3	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°	22356.0	100.0
0°-180°	22356.0	100.0

**Coefficient of Utilization**



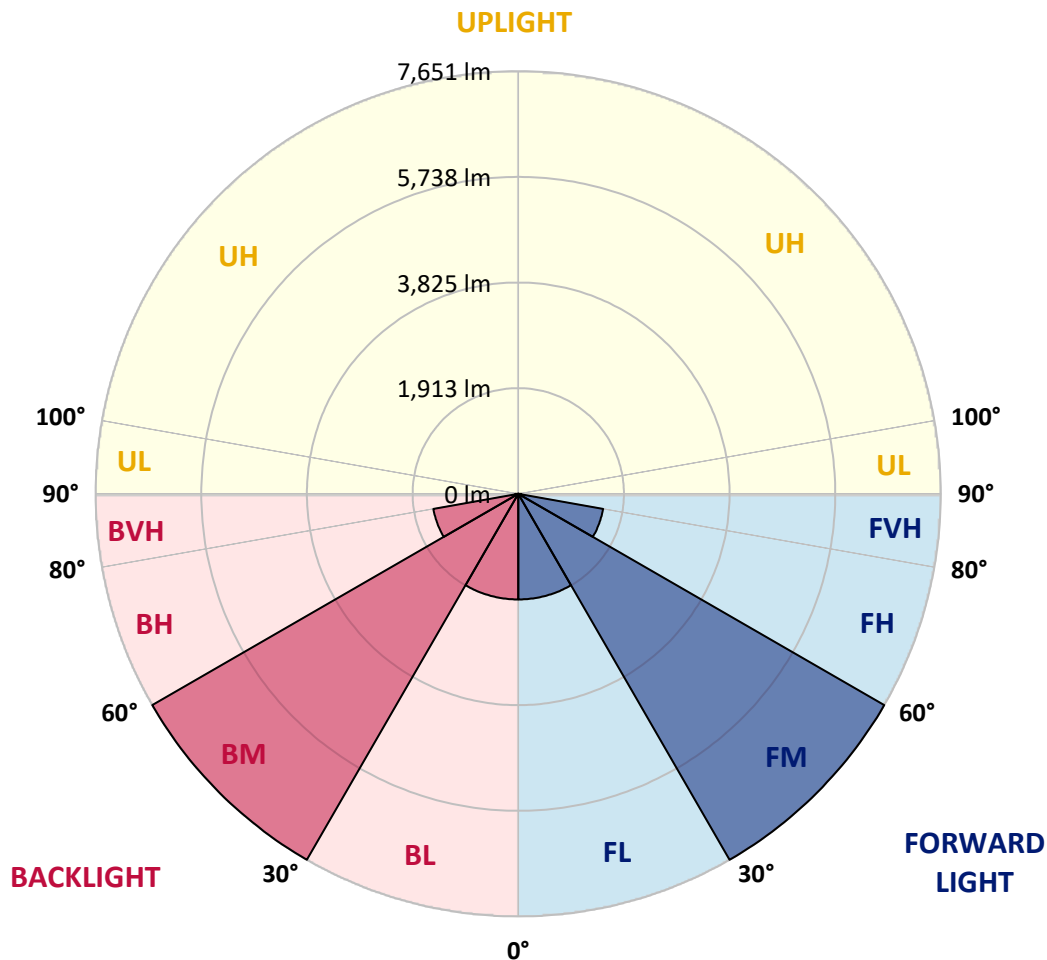
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1911.7	8.6			
FM (30°-60°)	7650.5	34.2			
FH (60°-80°)	1559.6	7.0			G1/1800
FVH (80°-90°)	56.2	0.3			G1/100
BL (0°-30°)	1911.7	8.6	B3/2500		
BM (30°-60°)	7650.5	34.2	B4/8500		
BH (60°-80°)	1559.6	7.0	B3/2500		G1/1800
BVH (80°-90°)	56.2	0.3			G1/100
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°	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1	4415.1
2.5°	4393.1	4437.2	4417.9	4406.9	4415.1	4401.4	4379.3	4404.1	4398.6	4376.6	4368.3
5°	4382.1	4415.1	4393.1	4415.1	4393.1	4431.7	4420.7	4379.3	4428.9	4382.1	4398.6
7.5°	4373.8	4384.8	4390.4	4379.3	4371.1	4417.9	4393.1	4373.8	4346.3	4338.0	4351.8
10°	4354.6	4382.1	4340.8	4395.9	4406.9	4373.8	4373.8	4338.0	4316.0	4302.2	4349.0
12.5°	4404.1	4357.3	4351.8	4379.3	4387.6	4401.4	4362.8	4343.5	4302.2	4307.7	4299.5
15°	4346.3	4365.6	4368.3	4373.8	4382.1	4415.1	4379.3	4338.0	4321.5	4263.7	4269.2
17.5°	4368.3	4349.0	4368.3	4431.7	4420.7	4445.4	4406.9	4343.5	4305.0	4271.9	4316.0
20°	4406.9	4398.6	4406.9	4484.0	4497.8	4519.8	4486.8	4428.9	4354.6	4316.0	4338.0
22.5°	4448.2	4442.7	4448.2	4522.6	4602.4	4630.0	4596.9	4462.0	4423.4	4351.8	4327.0
25°	4522.6	4528.1	4585.9	4668.5	4720.9	4773.2	4712.6	4616.2	4492.3	4448.2	4395.9
27.5°	4687.8	4701.6	4734.6	4855.8	4946.7	4993.5	4908.2	4776.0	4698.8	4607.9	4594.2
30°	4891.6	4891.6	4949.5	5054.1	5178.1	5249.7	5145.0	4988.0	4894.4	4844.8	4814.5
32.5°	5161.6	5131.3	5153.3	5337.8	5530.6	5591.2	5450.8	5258.0	5109.2	5043.1	5021.1
35°	5392.9	5412.2	5461.8	5660.1	5874.9	6015.4	5795.1	5544.4	5392.9	5332.3	5321.3
37.5°	5693.1	5726.2	5751.0	6023.7	6282.6	6334.9	6122.8	5921.7	5737.2	5687.6	5660.1
40°	6117.3	6095.3	6103.5	6304.6	6538.7	6571.8	6362.4	6219.2	6067.7	6037.4	6037.4
42.5°	6467.1	6442.3	6469.9	6544.2	6723.2	6698.5	6582.8	6478.1	6414.8	6381.7	6414.8
45°	6679.2	6673.7	6723.2	6778.3	6905.0	6822.4	6731.5	6748.0	6687.4	6632.4	6629.6
47.5°	6910.5	6874.7	6935.3	7018.0	6921.6	6883.0	6877.5	6913.3	6894.0	6797.6	6767.3
50°	7023.5	7009.7	7106.1	7202.5	7150.2	7062.0	7081.3	7139.1	6891.3	6761.8	6687.4
52.5°	7326.4	7329.2	7513.7	7566.1	7544.0	7414.6	7455.9	7298.9	7006.9	6825.2	6833.4
55°	7802.9	7783.7	7990.2	8144.5	8169.3	8004.0	7805.7	7585.3	7219.0	7034.5	6979.4
57°	7541.3	7585.3	7814.0	8271.2	8502.5	8307.0	7874.5	7472.4	6984.9	6761.8	6662.7
57.5°	7191.5	7263.1	7659.7	8119.7	8362.1	8345.5	7789.2	7263.1	6827.9	6480.9	6489.1
60°	5269.0	5282.8	5640.8	6370.7	7128.1	7144.7	6467.1	5770.3	5285.5	4908.2	4960.5
62.5°	2779.1	2842.4	2985.7	3572.3	4227.9	4387.6	3977.2	3619.2	3200.5	2914.1	2941.6
65°	1470.8	1462.5	1531.4	1696.6	2018.9	2101.5	2046.4	1762.8	1616.8	1570.0	1572.7
67.5°	1195.4	1209.1	1200.9	1209.1	1231.2	1267.0	1258.7	1269.7	1278.0	1291.8	1289.0
70°	1013.6	1013.6	1019.1	1021.8	1021.8	1038.4	1057.7	1093.5	1096.2	1110.0	1115.5
72.5°	798.7	793.2	801.5	820.8	823.5	837.3	864.9	886.9	895.1	895.1	878.6
75°	542.6	548.1	559.1	575.6	592.2	617.0	639.0	652.8	658.3	650.0	641.8
77.5°	305.7	311.2	319.5	344.3	363.6	385.6	410.4	424.2	437.9	440.7	424.2
80°	181.8	181.8	195.6	214.8	236.9	258.9	280.9	297.5	303.0	303.0	294.7
82.5°	110.2	112.9	123.9	143.2	162.5	176.3	195.6	209.3	220.3	217.6	212.1
85°	57.8	57.8	68.9	85.4	99.2	112.9	112.9	104.7	99.2	85.4	79.9
87.5°	19.3	16.5	22.0	22.0	19.3	22.0	22.0	24.8	24.8	24.8	24.8
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)