

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: P529608

Luminaire Tested: **GALN-SA4D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4D-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24980 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

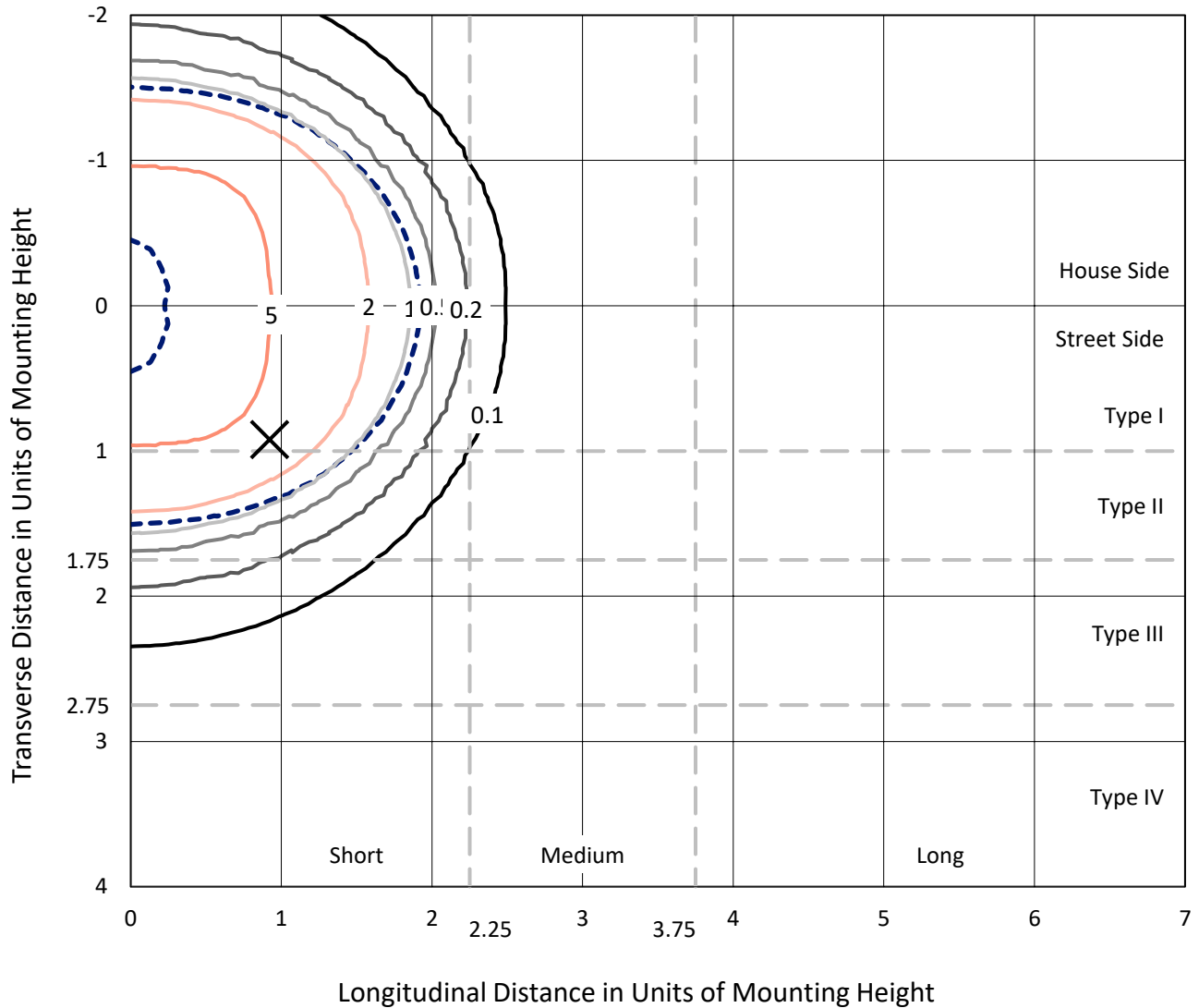
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

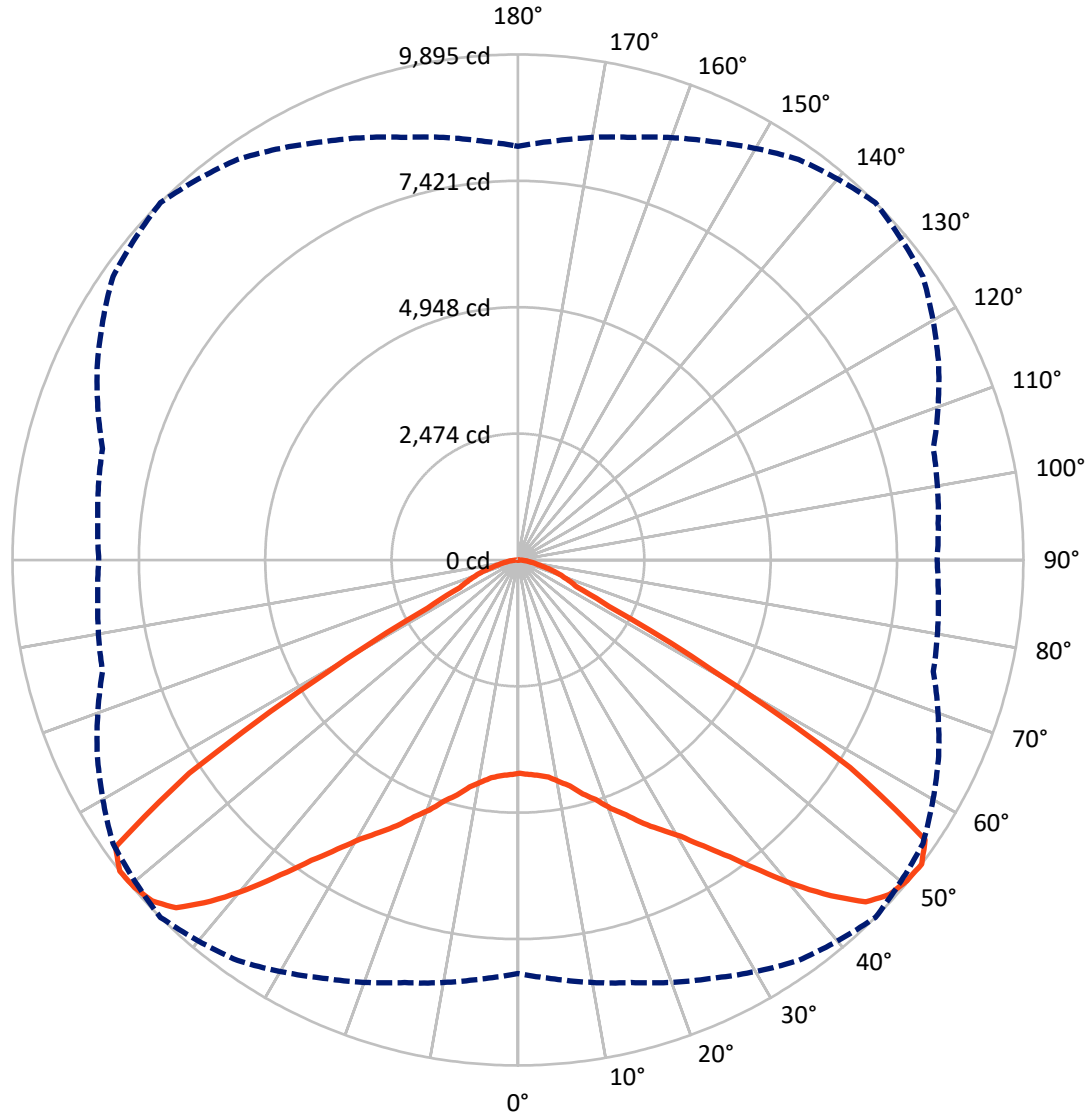
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12490.0	0.0	12490.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12490.0	0.0	12490.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24980.0	0.0	24980.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.3	1.6
10°-20°	1348.1	5.4
20°-30°	2566.5	10.3
30°-40°	4406.9	17.6
40°-50°	6773.6	27.1
50°-60°	6878.4	27.5
60°-70°	1916.9	7.7
70°-80°	565.5	2.3
80°-90°	113.9	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°	24980.0	100.0
0°-180°	24980.0	100.0

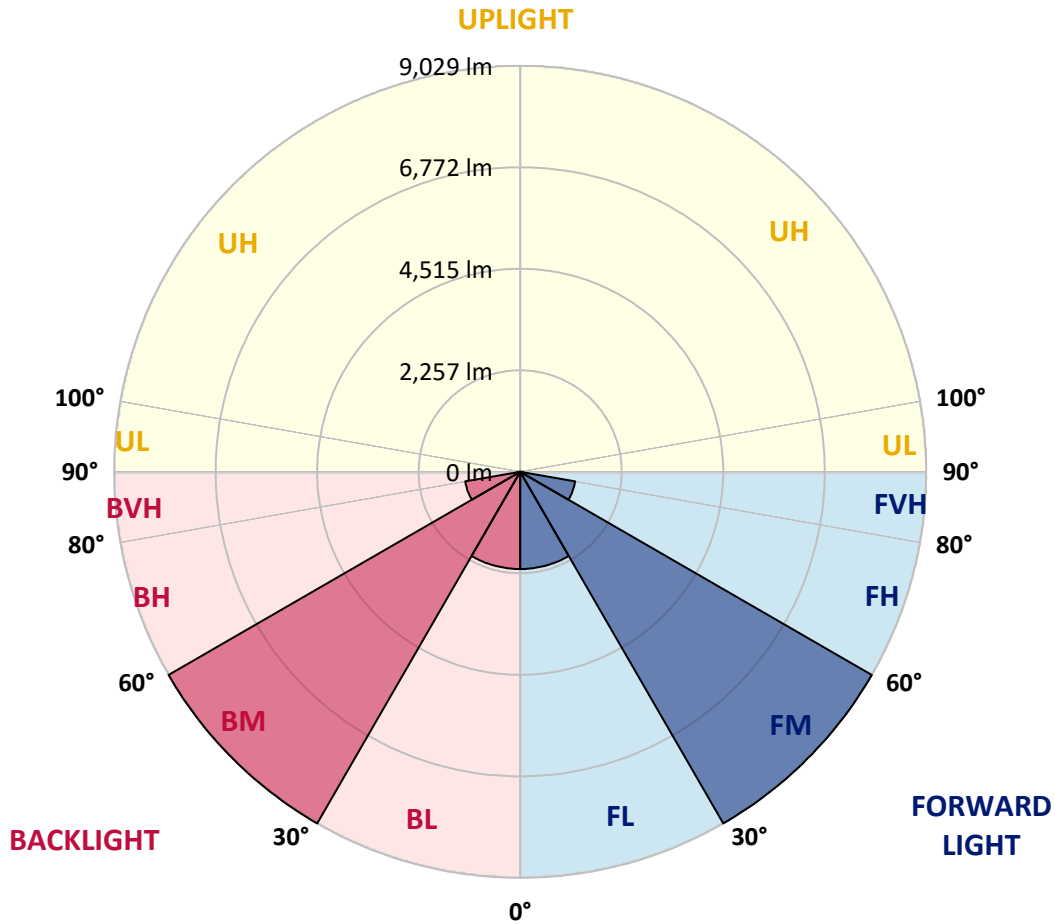


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2162.4	8.7			
FM (30°-60°)	9029.5	36.1			
FH (60°-80°)	1241.2	5.0			G1/1800
FVH (80°-90°)	56.9	0.2			G1/100
BL (0°-30°)	2162.4	8.7	B3/2500		
BM (30°-60°)	9029.5	36.1	B5		
BH (60°-80°)	1241.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	56.9	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°	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7	4175.7
2.5°	4185.0	4141.6	4157.1	4166.4	4206.7	4203.6	4194.3	4206.7	4219.1	4222.2	4216.0
5°	4181.9	4150.9	4163.3	4172.6	4212.9	4234.6	4228.4	4281.1	4318.3	4309.0	4355.5
7.5°	4157.1	4175.7	4160.2	4206.7	4240.8	4293.5	4349.3	4398.9	4445.4	4498.1	4507.4
10°	4212.9	4212.9	4240.8	4278.0	4367.9	4408.2	4488.8	4560.1	4650.0	4712.0	4687.2
12.5°	4271.8	4281.1	4281.1	4377.2	4451.6	4541.5	4615.9	4712.0	4839.1	4913.5	4950.7
15°	4330.7	4336.9	4367.9	4498.1	4609.7	4752.3	4820.5	4907.3	4978.6	5118.1	5121.2
17.5°	4383.4	4417.5	4510.5	4656.2	4795.7	4932.1	5040.6	5130.5	5192.5	5248.3	5235.9
20°	4581.8	4606.6	4702.7	4848.4	5056.1	5189.4	5226.6	5242.1	5282.4	5394.0	5359.9
22.5°	4774.0	4783.3	4873.2	5096.4	5242.1	5418.8	5459.1	5449.8	5465.3	5493.2	5542.8
25°	4972.4	4987.9	5111.9	5301.0	5505.6	5716.4	5750.5	5679.2	5657.5	5688.5	5691.6
27.5°	5226.6	5229.7	5387.8	5552.1	5784.7	5983.1	6035.8	5980.0	5877.7	5902.5	5942.8
30°	5549.0	5527.3	5685.4	5921.1	6166.0	6277.6	6367.5	6339.6	6228.0	6206.3	6172.2
32.5°	5921.1	5927.3	6069.9	6327.2	6488.4	6674.4	6770.5	6724.0	6652.7	6615.5	6637.2
35°	6445.0	6472.9	6569.0	6782.9	7043.3	7136.3	7288.2	7189.0	7003.0	7049.5	7089.8
37.5°	6875.9	6956.5	7136.3	7390.5	7545.5	7716.0	7771.8	7638.5	7502.1	7446.3	7579.6
40°	7536.2	7511.4	7709.8	7964.0	8193.4	8363.9	8292.6	8159.3	7821.4	7824.5	7861.7
42.5°	8103.5	8115.9	8267.8	8571.6	8884.7	8990.1	8763.8	8438.3	8063.2	8022.9	8103.5
45°	8580.9	8630.5	8717.3	9123.4	9430.3	9545.0	9126.5	8742.1	8239.9	8072.5	8205.8
47.5°	8751.4	8832.0	9021.1	9393.1	9696.9	9789.9	9455.1	8903.3	8404.2	8131.4	8202.7
50°	8776.2	8748.3	9058.3	9399.3	9665.9	9867.4	9572.9	9021.1	8363.9	8221.3	8199.6
52.5°	8097.3	8233.7	8565.4	9033.5	9572.9	9895.3	9678.3	9086.2	8419.7	8258.5	8205.8
55°	6553.5	6392.3	6996.8	7784.2	8776.2	9672.1	9641.1	9120.3	8453.8	8320.5	8249.2
57.5°	3658.0	3704.5	4045.5	4901.1	6181.5	7669.5	8571.6	8760.7	8438.3	8360.8	8398.0
60°	1692.6	1708.1	1853.8	2253.7	3047.3	4349.3	5536.6	6742.6	7297.5	7409.1	7409.1
62.5°	1261.7	1255.5	1292.7	1364.0	1531.4	1999.5	2669.1	3627.0	4389.6	4922.8	5062.3
65°	1140.8	1137.7	1156.3	1181.1	1193.5	1258.6	1407.4	1701.9	1949.9	2092.5	2067.7
67.5°	998.2	995.1	1001.3	1016.8	1038.5	1072.6	1109.8	1171.8	1258.6	1252.4	1236.9
70°	806.0	806.0	815.3	827.7	852.5	892.8	936.2	979.6	1054.0	1069.5	1066.4
72.5°	595.2	585.9	604.5	629.3	654.1	703.7	750.2	790.5	843.2	858.7	852.5
75°	378.2	384.4	396.8	424.7	468.1	502.2	551.8	585.9	620.0	632.4	635.5
77.5°	210.8	217.0	238.7	272.8	316.2	353.4	396.8	424.7	446.4	449.5	452.6
80°	127.1	130.2	151.9	182.9	220.1	260.4	294.5	322.4	341.0	331.7	328.6
82.5°	77.5	80.6	99.2	127.1	158.1	189.1	226.3	251.1	269.7	257.3	244.9
85°	40.3	43.4	58.9	77.5	102.3	117.8	117.8	105.4	102.3	96.1	93.0
87.5°	12.4	12.4	15.5	18.6	15.5	18.6	21.7	24.8	24.8	27.9	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)