

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: P529504

Luminaire Tested: **GALN-SA4C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529504  
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-SA4C-830-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 80 CRI, 3000K, 1050mA 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: 19365 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

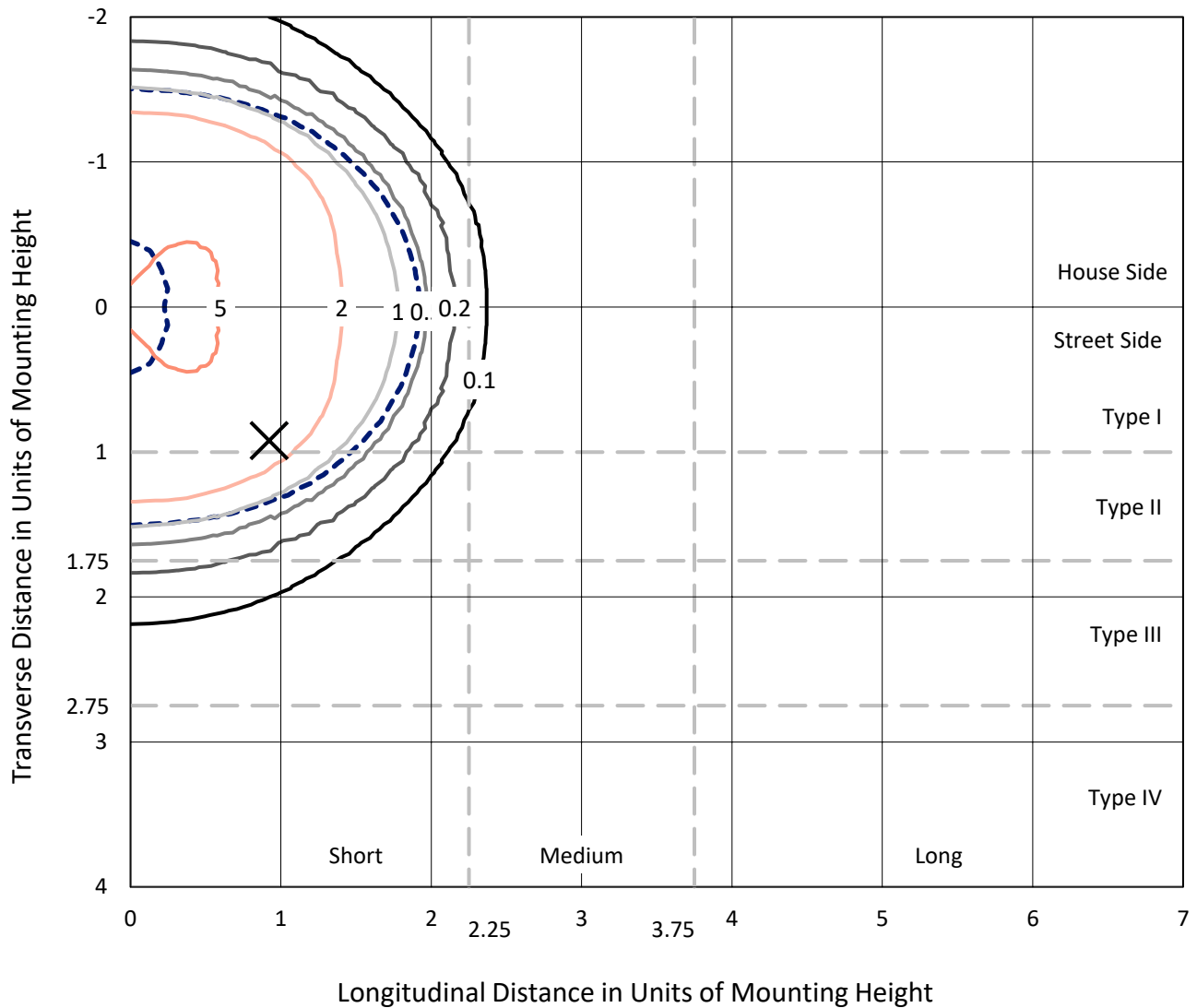
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

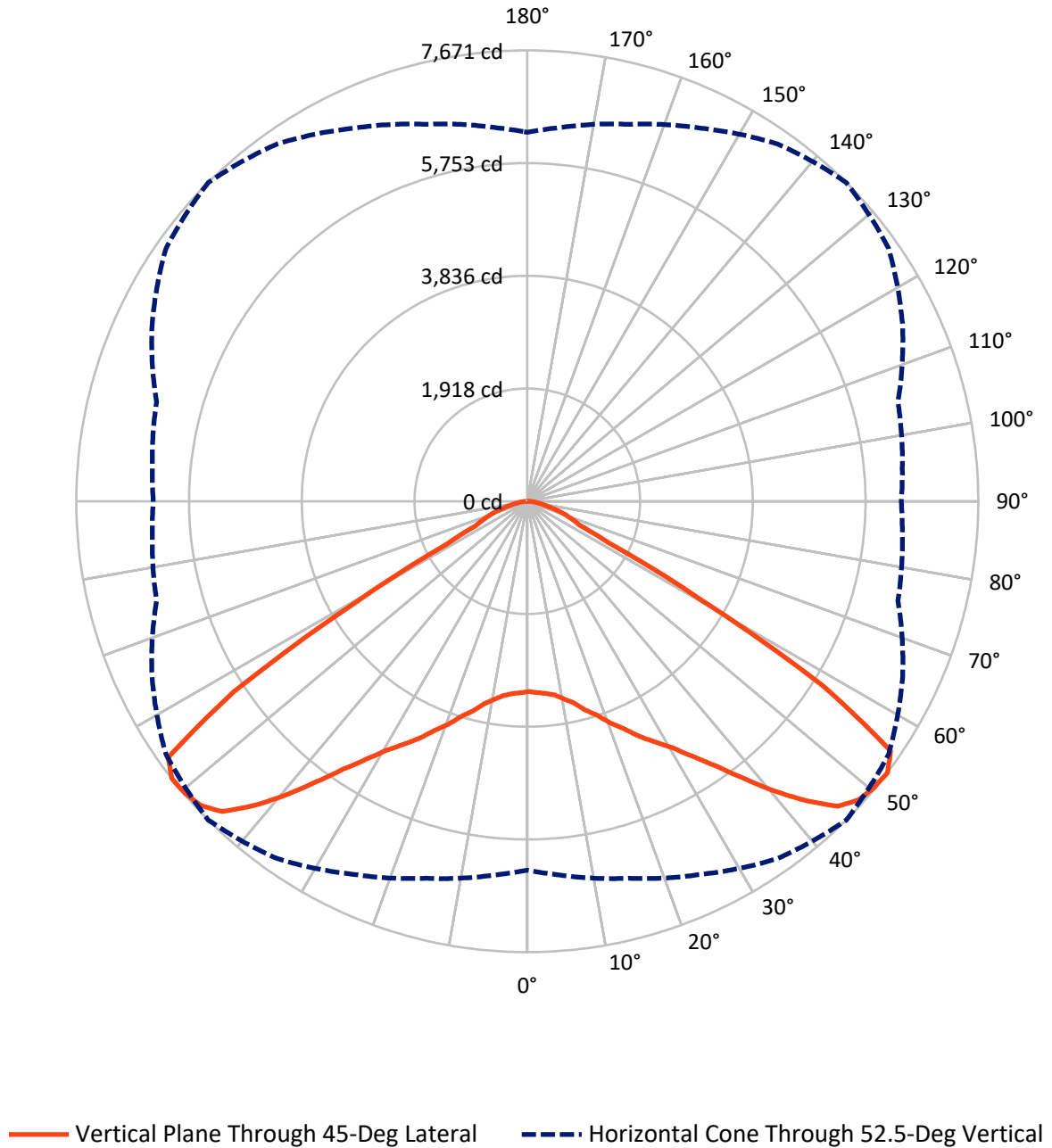
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9682.5	0.0	9682.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9682.5	0.0	9682.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19365.0	0.0	19365.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.0	1.6
10°-20°	1045.1	5.4
20°-30°	1989.6	10.3
30°-40°	3416.3	17.6
40°-50°	5251.0	27.1
50°-60°	5332.3	27.5
60°-70°	1486.0	7.7
70°-80°	438.4	2.3
80°-90°	88.3	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°	19365.0	100.0
0°-180°	19365.0	100.0

**Coefficient of Utilization**



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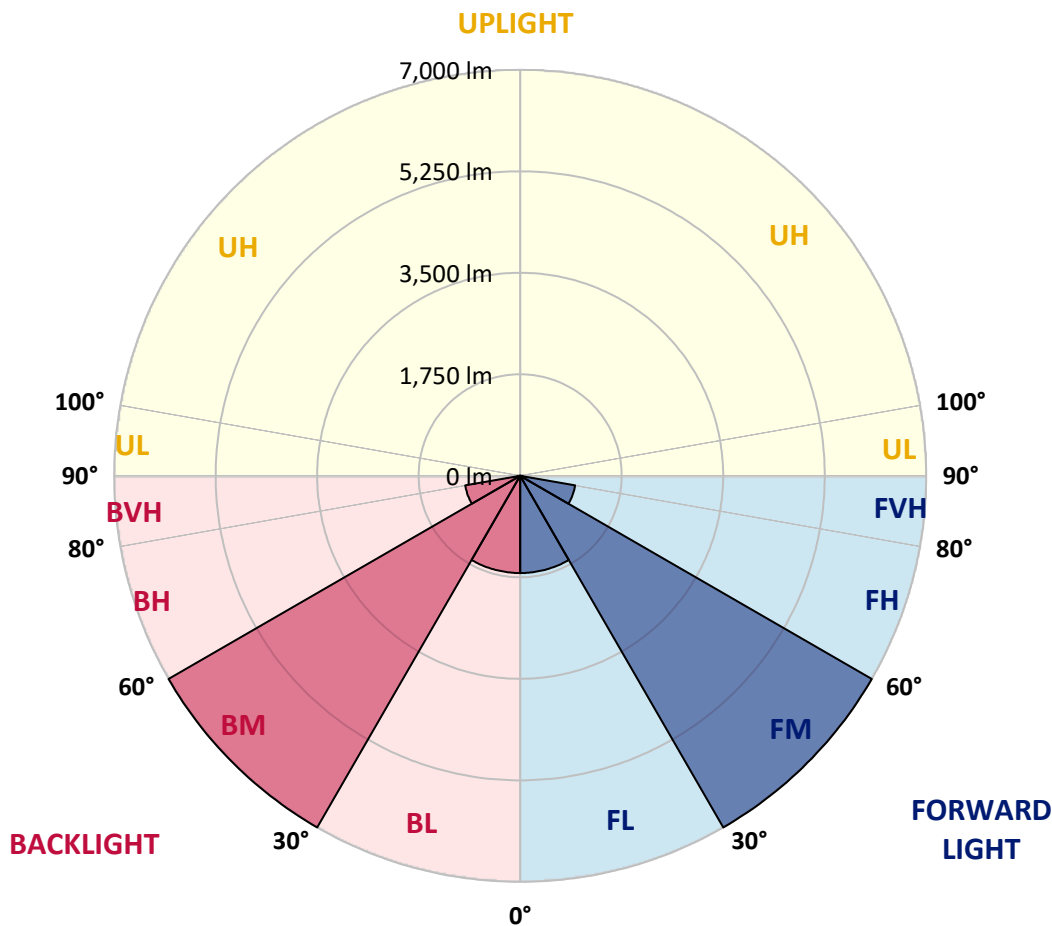
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.4	8.7			
FM (30°-60°)	6999.8	36.1			
FH (60°-80°)	962.2	5.0			G1/1800
FVH (80°-90°)	44.1	0.2			G1/100
BL (0°-30°)	1676.4	8.7	B3/2500		
BM (30°-60°)	6999.8	36.1	B4/8500		
BH (60°-80°)	962.2	5.0	B2/1000		G1/1800
BVH (80°-90°)	44.1	0.2			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°	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1	3237.1
2.5°	3244.3	3210.7	3222.7	3229.9	3261.1	3258.7	3251.5	3261.1	3270.8	3273.2	3268.4
5°	3241.9	3217.9	3227.5	3234.7	3266.0	3282.8	3278.0	3318.8	3347.7	3340.5	3376.5
7.5°	3222.7	3237.1	3225.1	3261.1	3287.6	3328.4	3371.7	3410.1	3446.2	3487.0	3494.3
10°	3266.0	3266.0	3287.6	3316.4	3386.1	3417.4	3479.8	3535.1	3604.8	3652.9	3633.6
12.5°	3311.6	3318.8	3318.8	3393.3	3451.0	3520.7	3578.4	3652.9	3751.4	3809.1	3837.9
15°	3357.3	3362.1	3386.1	3487.0	3573.6	3684.1	3737.0	3804.3	3859.5	3967.7	3970.1
17.5°	3398.1	3424.6	3496.7	3609.6	3717.8	3823.5	3907.6	3977.3	4025.4	4068.6	4059.0
20°	3551.9	3571.2	3645.7	3758.6	3919.6	4023.0	4051.8	4063.8	4095.1	4181.6	4155.1
22.5°	3700.9	3708.1	3777.8	3950.9	4063.8	4200.8	4232.0	4224.8	4236.8	4258.5	4296.9
25°	3854.7	3866.8	3962.9	4109.5	4268.1	4431.5	4457.9	4402.7	4385.8	4409.9	4412.3
27.5°	4051.8	4054.2	4176.8	4304.1	4484.4	4638.2	4679.0	4635.8	4556.5	4575.7	4606.9
30°	4301.7	4284.9	4407.5	4590.1	4780.0	4866.5	4936.2	4914.6	4828.0	4811.2	4784.8
32.5°	4590.1	4594.9	4705.5	4904.9	5029.9	5174.1	5248.6	5212.5	5157.3	5128.4	5145.3
35°	4996.3	5017.9	5092.4	5258.2	5460.1	5532.2	5649.9	5573.0	5428.8	5464.9	5496.1
37.5°	5330.3	5392.8	5532.2	5729.2	5849.4	5981.6	6024.8	5921.5	5815.8	5772.5	5875.8
40°	5842.2	5823.0	5976.8	6173.8	6351.7	6483.8	6428.6	6325.2	6063.3	6065.7	6094.5
42.5°	6282.0	6291.6	6409.3	6644.9	6887.6	6969.3	6793.9	6541.5	6250.7	6219.5	6282.0
45°	6652.1	6690.5	6757.8	7072.6	7310.5	7399.5	7075.0	6777.0	6387.7	6257.9	6361.3
47.5°	6784.2	6846.7	6993.3	7281.7	7517.2	7589.3	7329.8	6902.0	6515.1	6303.6	6358.9
50°	6803.5	6781.8	7022.2	7286.5	7493.2	7649.4	7421.1	6993.3	6483.8	6373.3	6356.5
52.5°	6277.2	6382.9	6640.1	7002.9	7421.1	7671.0	7502.8	7043.8	6527.1	6402.1	6361.3
55°	5080.4	4955.4	5424.0	6034.4	6803.5	7498.0	7474.0	7070.2	6553.5	6450.2	6394.9
57.5°	2835.8	2871.8	3136.2	3799.5	4792.0	5945.5	6644.9	6791.5	6541.5	6481.4	6510.3
60°	1312.1	1324.2	1437.1	1747.1	2362.3	3371.7	4292.1	5227.0	5657.1	5743.7	5743.7
62.5°	978.1	973.3	1002.1	1057.4	1187.2	1550.1	2069.2	2811.7	3402.9	3816.3	3924.4
65°	884.4	882.0	896.4	915.6	925.2	975.7	1091.1	1319.4	1511.6	1622.2	1602.9
67.5°	773.8	771.4	776.2	788.3	805.1	831.5	860.3	908.4	975.7	970.9	958.9
70°	624.8	624.8	632.0	641.7	660.9	692.1	725.8	759.4	817.1	829.1	826.7
72.5°	461.4	454.2	468.6	487.9	507.1	545.5	581.6	612.8	653.7	665.7	660.9
75°	293.2	298.0	307.6	329.2	362.9	389.3	427.8	454.2	480.6	490.3	492.7
77.5°	163.4	168.2	185.0	211.5	245.1	274.0	307.6	329.2	346.1	348.5	350.9
80°	98.5	100.9	117.8	141.8	170.6	201.9	228.3	249.9	264.4	257.1	254.7
82.5°	60.1	62.5	76.9	98.5	122.6	146.6	175.4	194.7	209.1	199.5	189.9
85°	31.2	33.6	45.7	60.1	79.3	91.3	91.3	81.7	79.3	74.5	72.1
87.5°	9.6	9.6	12.0	14.4	12.0	14.4	16.8	19.2	19.2	21.6	19.2
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)