

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: P651006

Luminaire Tested: **GALN-SA7C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-840-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26613.4 lumens  
Efficiency: N/A  
Efficacy: 70.6 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

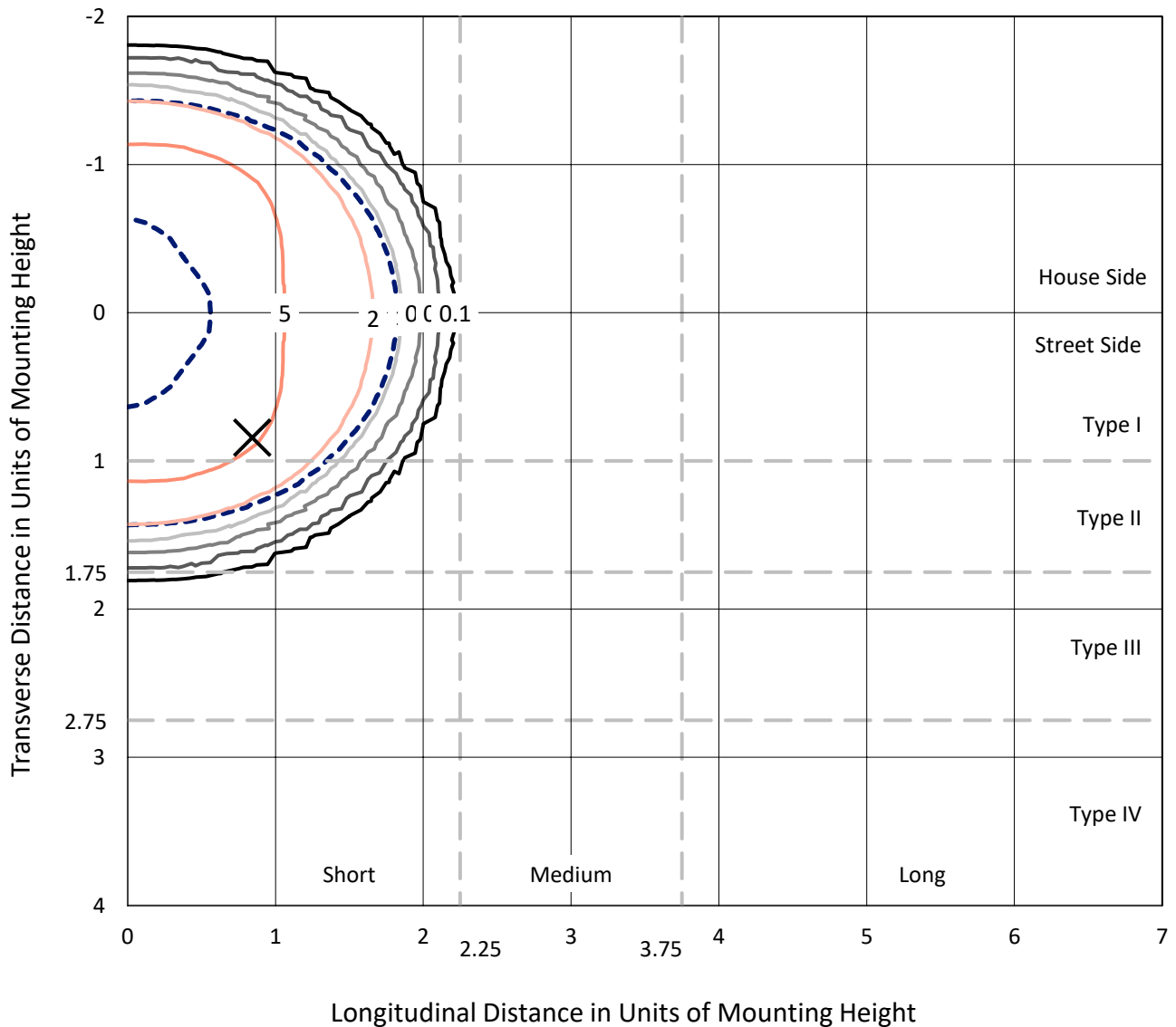
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

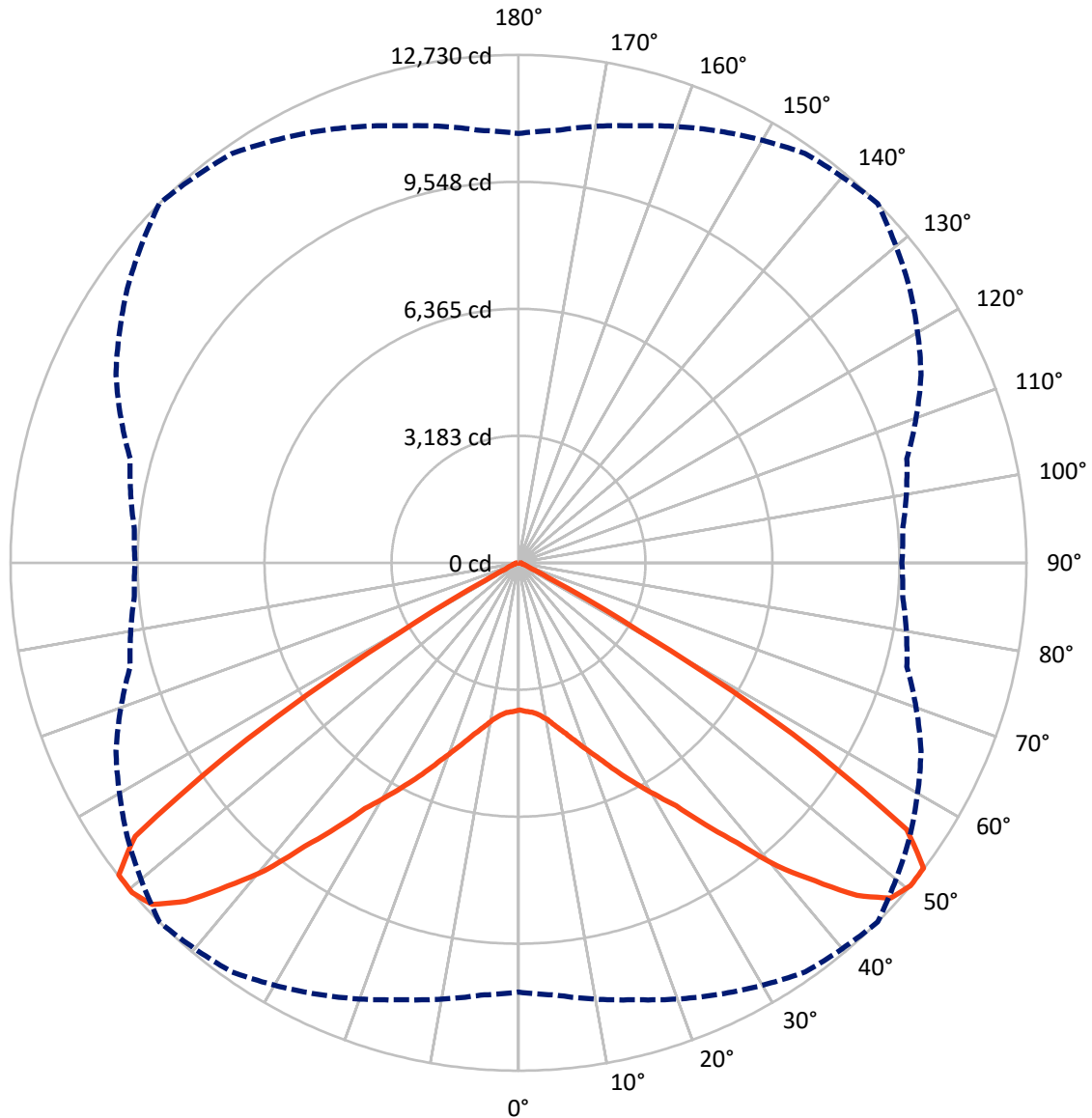
× Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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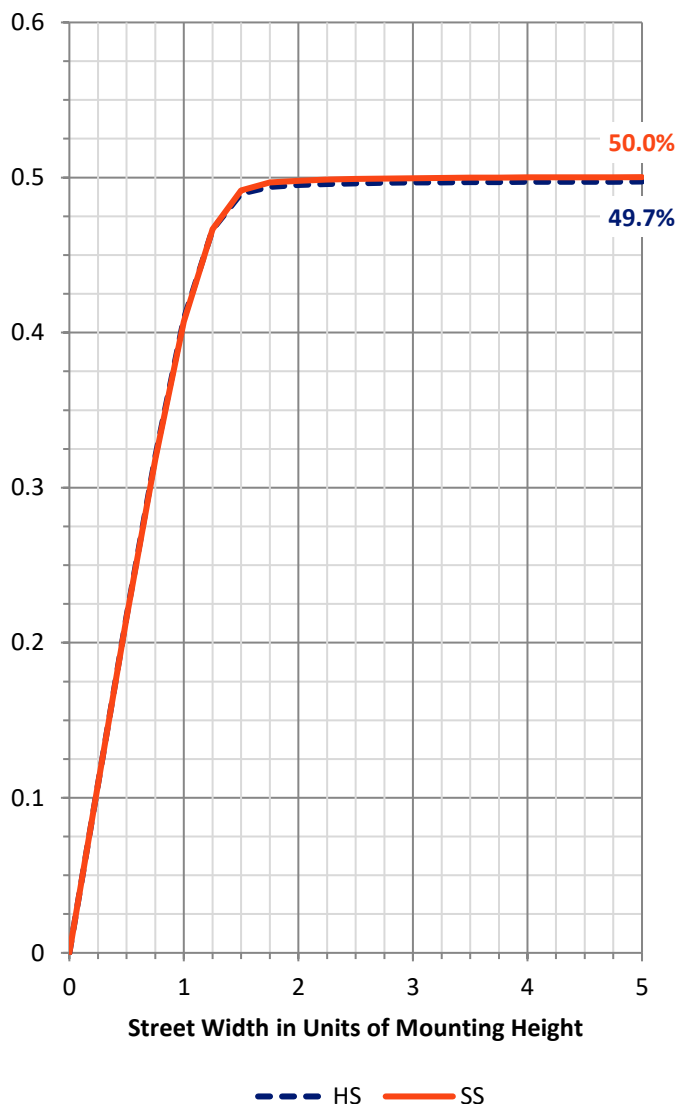
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13306.7	0.0	13306.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13306.7	0.0	13306.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26613.4	0.0	26613.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.1	1.4
10°-20°	1265.1	4.8
20°-30°	2583.9	9.7
30°-40°	4927.4	18.5
40°-50°	8303.5	31.2
50°-60°	7918.8	29.8
60°-70°	1105.4	4.2
70°-80°	105.7	0.4
80°-90°	36.5	0.1
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°	26613.4	100.0
0°-180°	26613.4	100.0

**Coefficient of Utilization**



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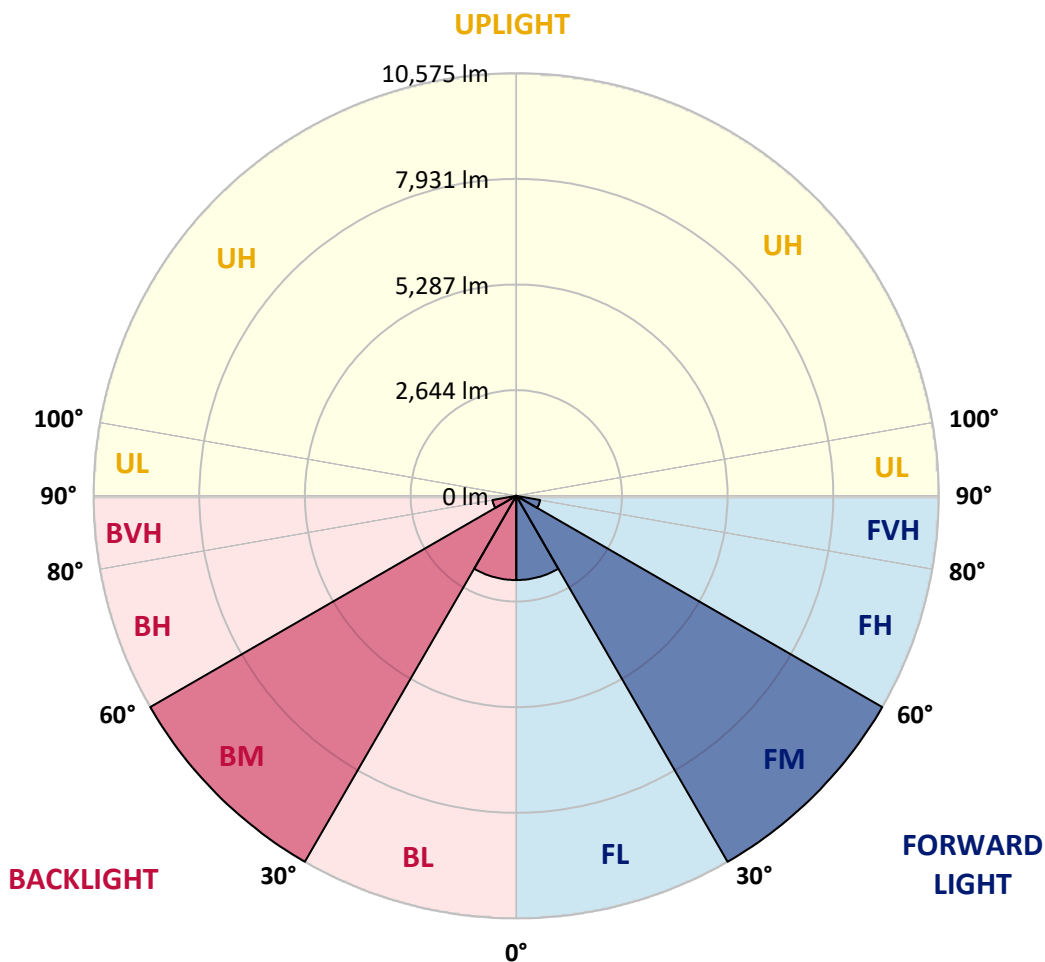
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2108.0	7.9			
FM (30°-60°)	10574.9	39.7			
FH (60°-80°)	605.6	2.3			G0/660
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	2108.0	7.9	B3/2500		
BM (30°-60°)	10574.9	39.7	B5		
BH (60°-80°)	605.6	2.3	B2/1000		G0/660
BVH (80°-90°)	18.3	0.1			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°	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6	3689.6
2.5°	3676.3	3676.3	3671.7	3707.5	3689.6	3729.9	3725.5	3738.9	3752.4	3747.8	3783.7
5°	3644.9	3640.4	3640.4	3680.7	3721.0	3765.7	3806.1	3832.9	3877.8	3877.8	3922.5
7.5°	3676.3	3653.8	3685.2	3703.1	3779.2	3855.3	3922.5	3976.2	4079.2	4115.0	4101.6
10°	3685.2	3712.1	3734.5	3788.2	3882.2	3998.6	4056.8	4191.2	4307.6	4388.2	4406.1
12.5°	3743.4	3783.7	3846.4	3976.2	4061.3	4213.6	4294.1	4424.0	4585.2	4674.8	4737.4
15°	3855.3	3868.8	3949.3	4115.0	4298.6	4437.5	4562.8	4656.9	4813.5	4916.6	4921.0
17.5°	3998.6	4056.8	4168.8	4325.5	4518.0	4724.0	4822.5	4925.5	4983.8	5122.5	5153.9
20°	4285.2	4294.1	4401.6	4607.6	4849.4	5037.4	5109.1	5162.8	5140.4	5283.8	5310.6
22.5°	4553.8	4562.8	4697.2	4974.8	5234.5	5395.7	5427.1	5395.7	5328.5	5431.5	5440.4
25°	4827.0	4907.6	5006.1	5283.8	5606.1	5821.1	5825.5	5740.5	5601.6	5619.6	5664.4
27.5°	5252.4	5310.6	5413.6	5668.8	6022.6	6264.4	6224.1	6121.1	5942.0	5955.4	5942.0
30°	5749.4	5803.2	5888.3	6215.1	6474.9	6739.0	6797.2	6698.7	6430.0	6371.8	6439.0
32.5°	6349.5	6425.6	6582.3	6882.3	7101.7	7262.9	7303.2	7267.4	7016.6	6994.3	7039.0
35°	7079.3	7182.3	7325.6	7589.8	7768.9	8060.0	8060.0	7939.0	7710.7	7737.5	7733.1
37.5°	7849.5	8001.7	8225.7	8494.3	8736.1	8892.8	8843.5	8740.6	8512.2	8454.0	8512.2
40°	8816.7	8892.8	9174.9	9524.2	9819.7	9998.8	9788.3	9564.4	9018.2	9103.2	9260.0
42.5°	9698.8	9819.7	10034.6	10419.7	10755.5	10903.3	10652.5	10209.2	9551.1	9483.9	9600.3
45°	10451.0	10580.9	10863.0	11413.8	11767.5	11897.4	11342.1	10625.7	9873.4	9703.3	9752.5
47.5°	10952.6	11019.7	11413.8	11937.7	12260.1	12555.6	11758.5	10912.2	10025.6	9703.3	9685.4
50°	10760.0	10876.4	11337.7	11933.2	12519.8	12730.2	11969.0	11131.6	10074.9	9663.0	9609.3
52.5°	9555.5	9757.0	10272.0	11073.4	11960.0	12712.3	12260.1	11060.0	10057.0	9703.3	9783.9
55°	6649.5	6653.9	7280.8	8462.9	10030.2	11803.4	11834.7	11140.6	10173.4	9954.0	9958.5
57.5°	2673.2	2807.5	3286.6	4473.3	5919.5	8104.7	9636.1	10334.6	10186.9	10133.1	10272.0
60°	676.2	680.6	828.4	1262.8	2082.1	3474.8	5046.4	6828.6	7862.9	8216.7	8265.9
62.5°	344.8	349.3	385.1	447.7	568.7	931.4	1656.8	2628.5	3738.9	4303.1	4450.9
65°	282.1	282.1	304.5	335.8	340.3	358.2	429.8	613.4	891.0	1012.0	1025.4
67.5°	215.0	215.0	232.9	250.8	259.7	255.2	246.2	255.2	309.0	295.5	286.6
70°	134.3	138.8	147.8	165.7	174.6	179.1	183.6	192.5	219.4	228.3	219.4
72.5°	80.6	80.6	85.1	98.5	111.9	120.9	134.3	143.3	156.8	179.1	174.6
75°	35.8	35.8	44.7	58.2	71.7	85.1	98.5	111.9	120.9	134.3	138.8
77.5°	8.9	13.5	22.4	40.3	53.7	71.7	89.6	103.0	111.9	111.9	107.5
80°	4.5	4.5	17.9	31.4	58.2	76.1	98.5	107.5	120.9	111.9	98.5
82.5°	4.5	4.5	17.9	31.4	53.7	76.1	103.0	116.4	125.4	111.9	94.0
85°	0.0	4.5	13.5	26.8	44.7	53.7	44.7	31.4	17.9	17.9	13.5
87.5°	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)