

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: P650952

Luminaire Tested: **GALN-SA6C-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650952  
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-SA6C-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 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: 30721.7 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

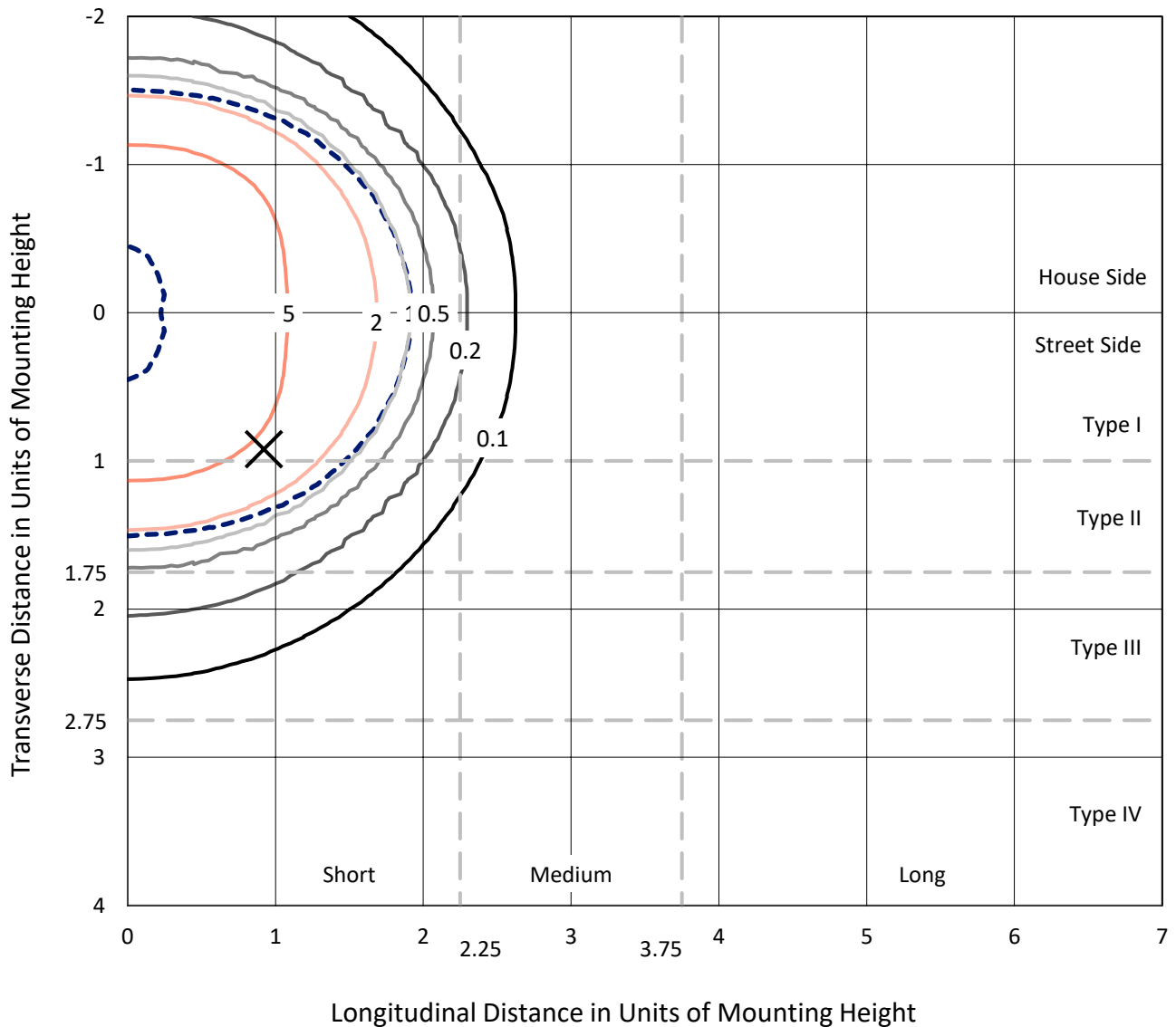
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

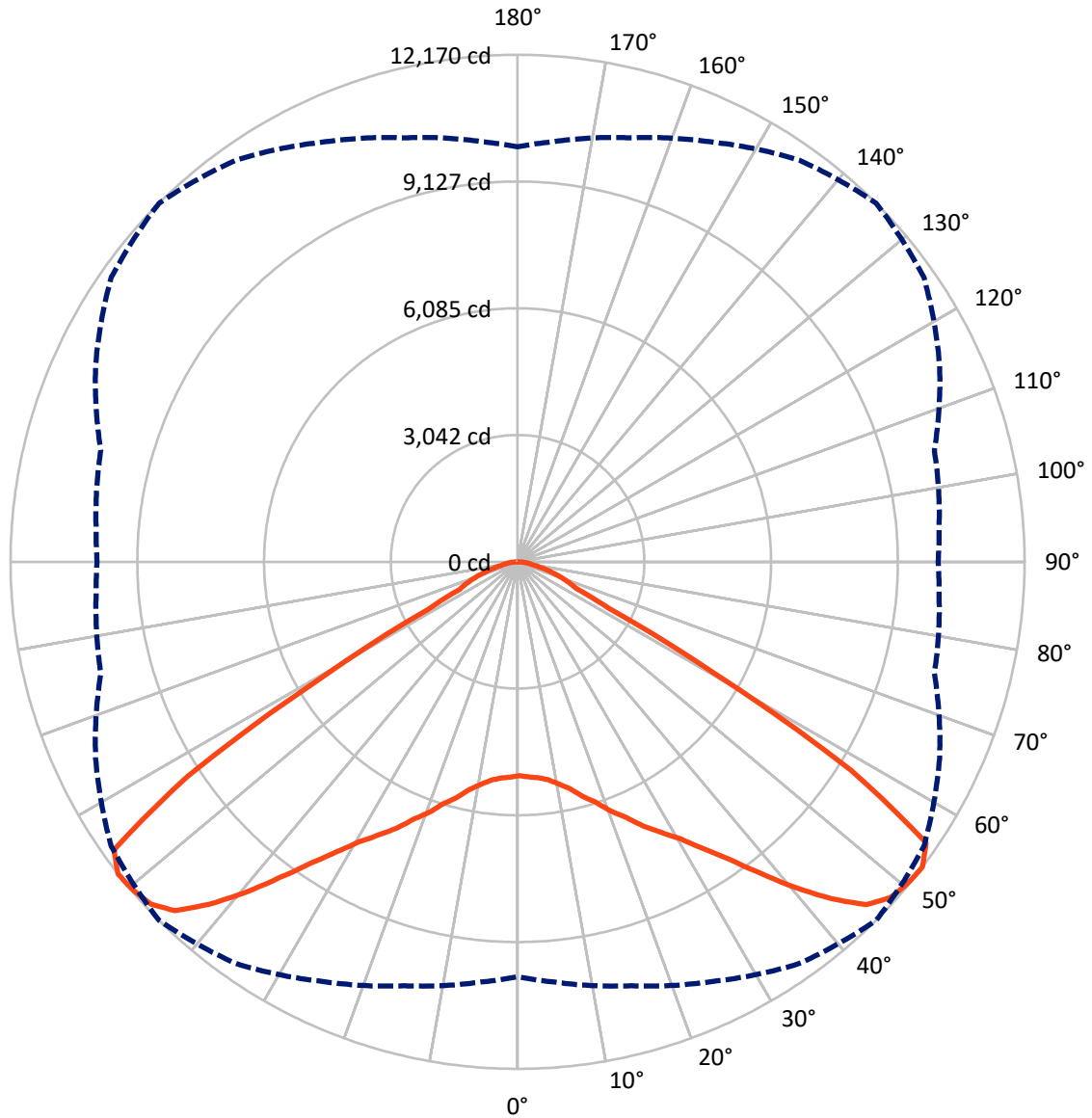
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	15360.9	0.0	15360.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15360.9	0.0	15360.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30721.7	0.0	30721.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	504.6	1.6
10°-20°	1657.9	5.4
20°-30°	3156.5	10.3
30°-40°	5419.9	17.6
40°-50°	8330.5	27.1
50°-60°	8459.4	27.5
60°-70°	2357.5	7.7
70°-80°	695.4	2.3
80°-90°	140.1	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°	30721.7	100.0
0°-180°	30721.7	100.0

**Coefficient of Utilization**



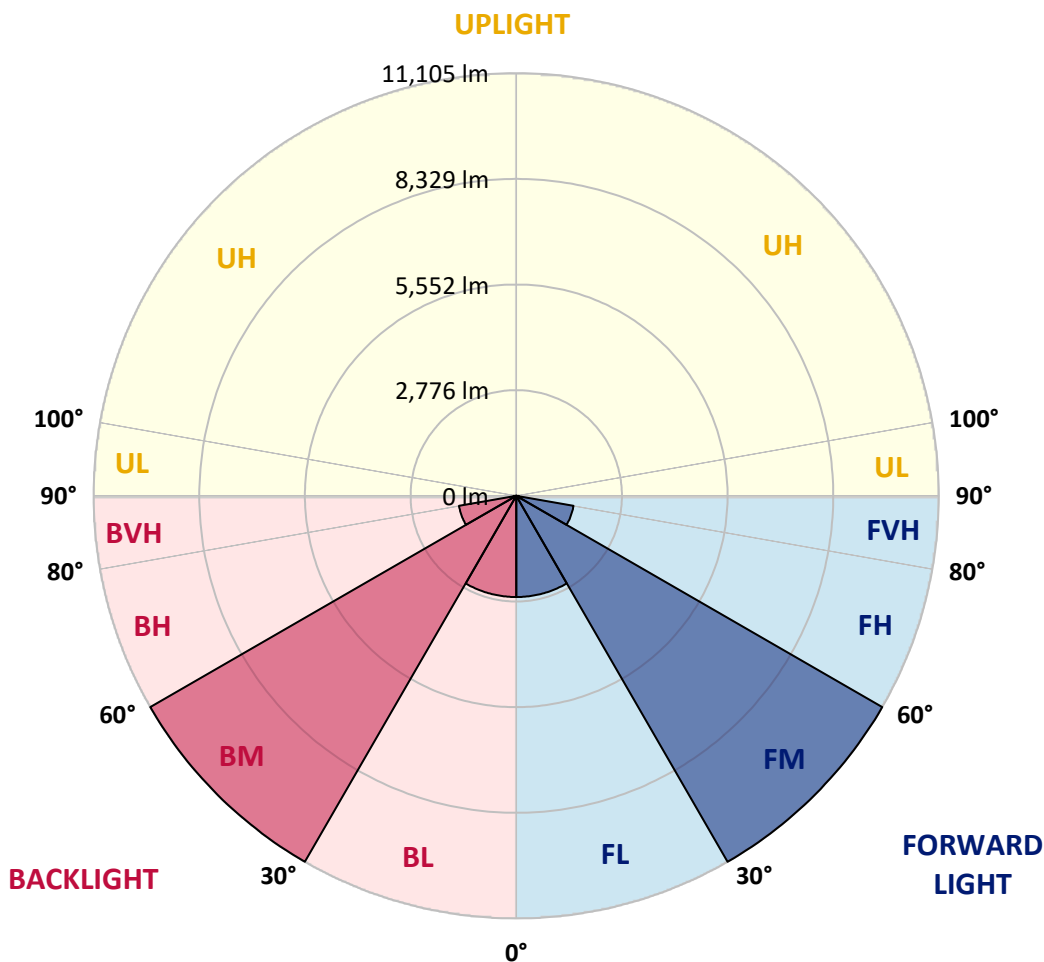
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2659.5	8.7			
FM (30°-60°)	11104.9	36.1			
FH (60°-80°)	1526.5	5.0			G1/1800
FVH (80°-90°)	70.0	0.2			G1/100
BL (0°-30°)	2659.5	8.7	B4/5000		
BM (30°-60°)	11104.9	36.1	B5		
BH (60°-80°)	1526.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	70.0	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°	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6	5135.6
2.5°	5147.0	5093.6	5112.7	5124.1	5173.7	5169.9	5158.4	5173.7	5188.9	5192.8	5185.1
5°	5143.1	5105.0	5120.3	5131.7	5181.3	5208.0	5200.3	5265.2	5310.9	5299.5	5356.7
7.5°	5112.7	5135.6	5116.5	5173.7	5215.6	5280.4	5349.0	5410.1	5467.3	5532.0	5543.5
10°	5181.3	5181.3	5215.6	5261.4	5371.9	5421.5	5520.6	5608.3	5718.9	5795.1	5764.6
12.5°	5253.7	5265.2	5265.2	5383.3	5474.8	5585.4	5676.9	5795.1	5951.4	6042.9	6088.7
15°	5326.1	5333.8	5371.9	5532.0	5669.3	5844.7	5928.5	6035.3	6123.0	6294.5	6298.4
17.5°	5391.0	5432.9	5547.3	5726.5	5898.0	6065.8	6199.3	6309.9	6386.0	6454.7	6439.5
20°	5635.0	5665.5	5783.6	5962.9	6218.4	6382.3	6428.0	6447.1	6496.6	6633.9	6591.9
22.5°	5871.4	5882.8	5993.4	6267.9	6447.1	6664.4	6714.0	6702.5	6721.6	6755.9	6816.9
25°	6115.4	6134.4	6287.0	6519.5	6771.1	7030.4	7072.3	6984.7	6957.9	6996.1	6999.9
27.5°	6428.0	6431.8	6626.2	6828.3	7114.3	7358.2	7423.1	7354.5	7228.6	7259.2	7308.7
30°	6824.5	6797.8	6992.2	7282.1	7583.2	7720.5	7831.1	7796.7	7659.5	7632.7	7590.9
32.5°	7282.1	7289.6	7465.1	7781.4	7979.7	8208.5	8326.7	8269.5	8181.8	8136.0	8162.7
35°	7926.3	7960.7	8078.8	8341.9	8662.2	8776.6	8963.4	8841.3	8612.6	8669.8	8719.4
37.5°	8456.3	8555.4	8776.6	9089.2	9279.8	9489.5	9558.1	9394.2	9226.4	9157.8	9321.7
40°	9268.4	9237.9	9481.9	9794.5	10076.6	10286.4	10198.6	10034.7	9619.1	9623.0	9668.7
42.5°	9966.1	9981.3	10168.1	10541.8	10926.9	11056.5	10778.2	10377.9	9916.5	9866.9	9966.1
45°	10553.2	10614.2	10721.0	11220.5	11597.9	11738.9	11224.2	10751.4	10133.8	9927.9	10091.9
47.5°	10762.9	10862.0	11094.6	11552.1	11925.7	12040.1	11628.3	10949.7	10335.9	10000.4	10088.0
50°	10793.4	10759.1	11140.4	11559.7	11887.6	12135.5	11773.2	11094.6	10286.4	10110.9	10084.3
52.5°	9958.4	10126.2	10534.1	11109.9	11773.2	12169.8	11902.8	11174.7	10355.0	10156.7	10091.9
55°	8059.8	7861.5	8605.0	9573.4	10793.4	11895.3	11857.1	11216.6	10396.9	10233.0	10145.2
57.5°	4498.8	4556.0	4975.4	6027.7	7602.3	9432.3	10541.8	10774.3	10377.9	10282.5	10328.2
60°	2081.6	2100.7	2280.0	2771.8	3747.7	5349.0	6809.2	8292.3	8974.8	9112.1	9112.1
62.5°	1551.7	1544.1	1589.8	1677.5	1883.4	2459.1	3282.6	4460.7	5398.6	6054.4	6225.9
65°	1403.0	1399.3	1422.1	1452.6	1467.9	1547.9	1730.9	2093.1	2398.1	2573.5	2543.0
67.5°	1227.7	1223.8	1231.5	1250.6	1277.2	1319.2	1364.9	1441.1	1547.9	1540.3	1521.2
70°	991.3	991.3	1002.7	1017.9	1048.5	1098.0	1151.4	1204.7	1296.3	1315.3	1311.5
72.5°	732.0	720.6	743.4	774.0	804.4	865.5	922.7	972.2	1037.0	1056.0	1048.5
75°	465.2	472.7	488.0	522.3	575.7	617.6	678.6	720.6	762.5	777.8	781.5
77.5°	259.3	266.8	293.6	335.5	388.9	434.6	488.0	522.3	549.0	552.8	556.7
80°	156.3	160.1	186.8	225.0	270.7	320.3	362.2	396.5	419.4	408.0	404.1
82.5°	95.3	99.2	122.0	156.3	194.4	232.5	278.3	308.8	331.7	316.5	301.2
85°	49.5	53.4	72.4	95.3	125.8	144.9	144.9	129.6	125.8	118.2	114.4
87.5°	15.2	15.2	19.1	22.9	19.1	22.9	26.7	30.5	30.5	34.3	30.5
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)