

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: P534053

Luminaire Tested: **GALN-SA9C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534053  
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-SA9C-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 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: 38369 lumens  
Efficiency: N/A  
Efficacy: 79.8 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

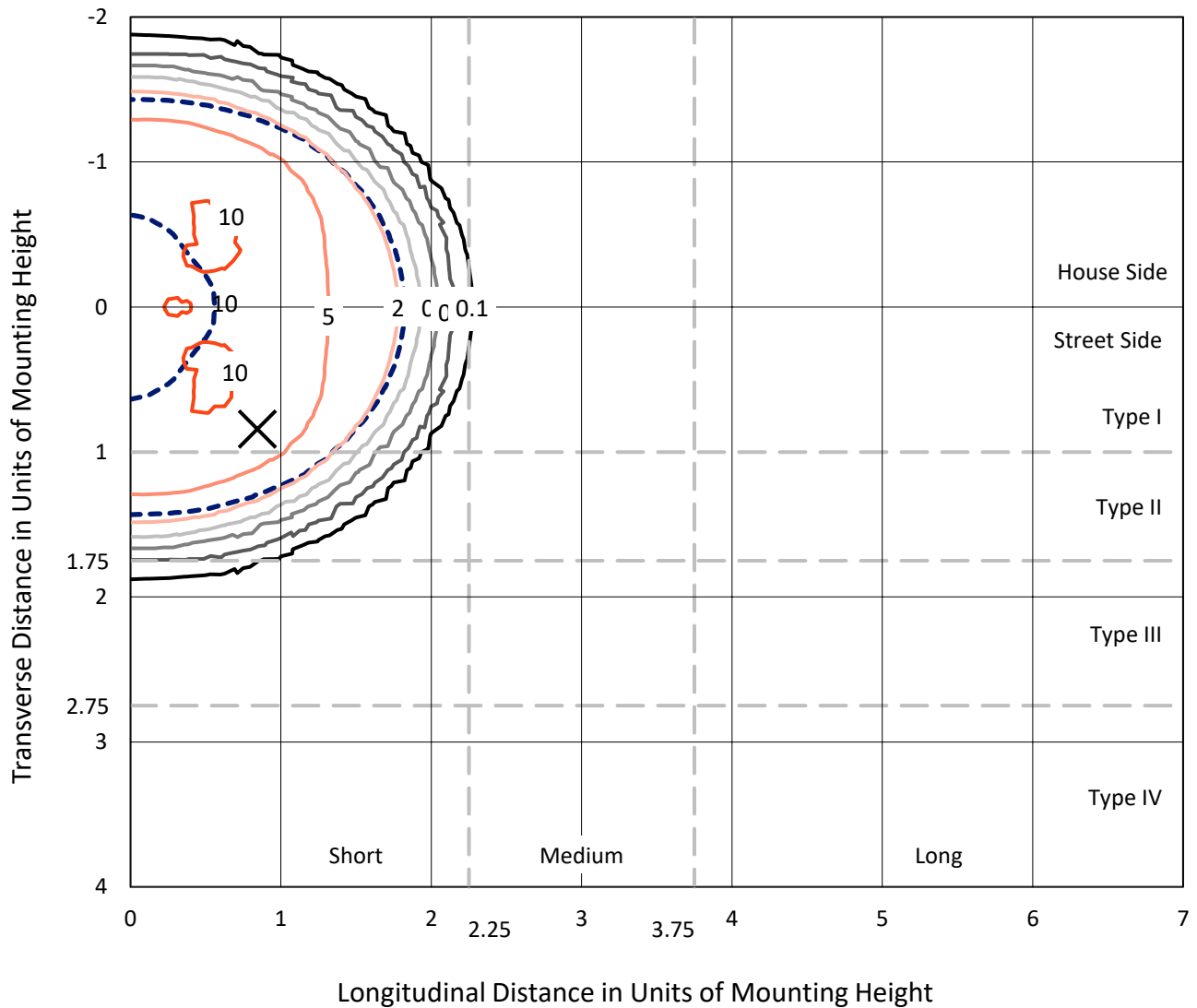
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

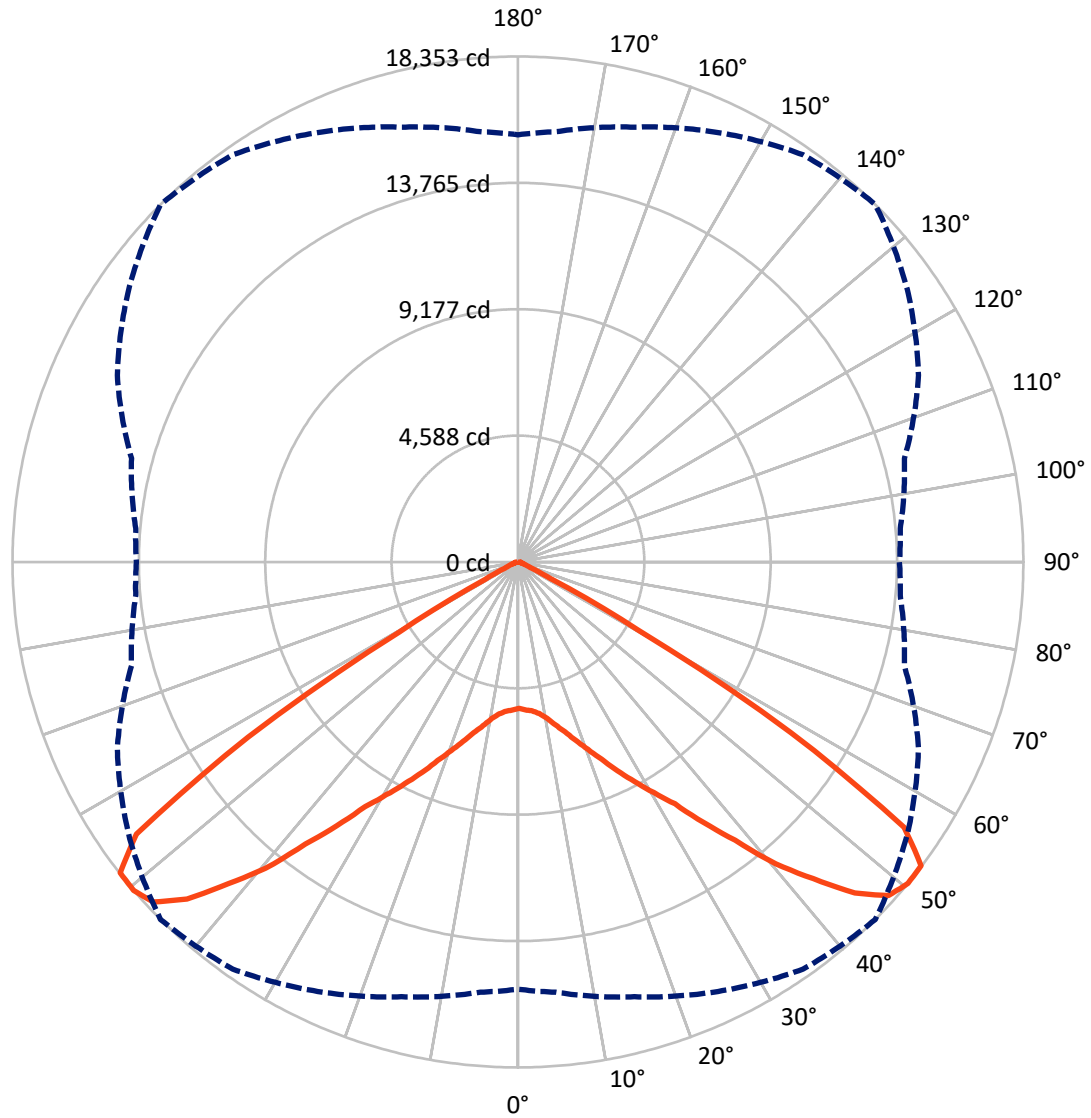
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	19184.5	0.0	19184.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19184.5	0.0	19184.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38369.0	0.0	38369.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.2	1.4
10°-20°	1823.9	4.8
20°-30°	3725.2	9.7
30°-40°	7103.9	18.5
40°-50°	11971.2	31.2
50°-60°	11416.7	29.8
60°-70°	1593.7	4.2
70°-80°	152.4	0.4
80°-90°	52.7	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°	38369.0	100.0
0°-180°	38369.0	100.0

**Coefficient of Utilization**

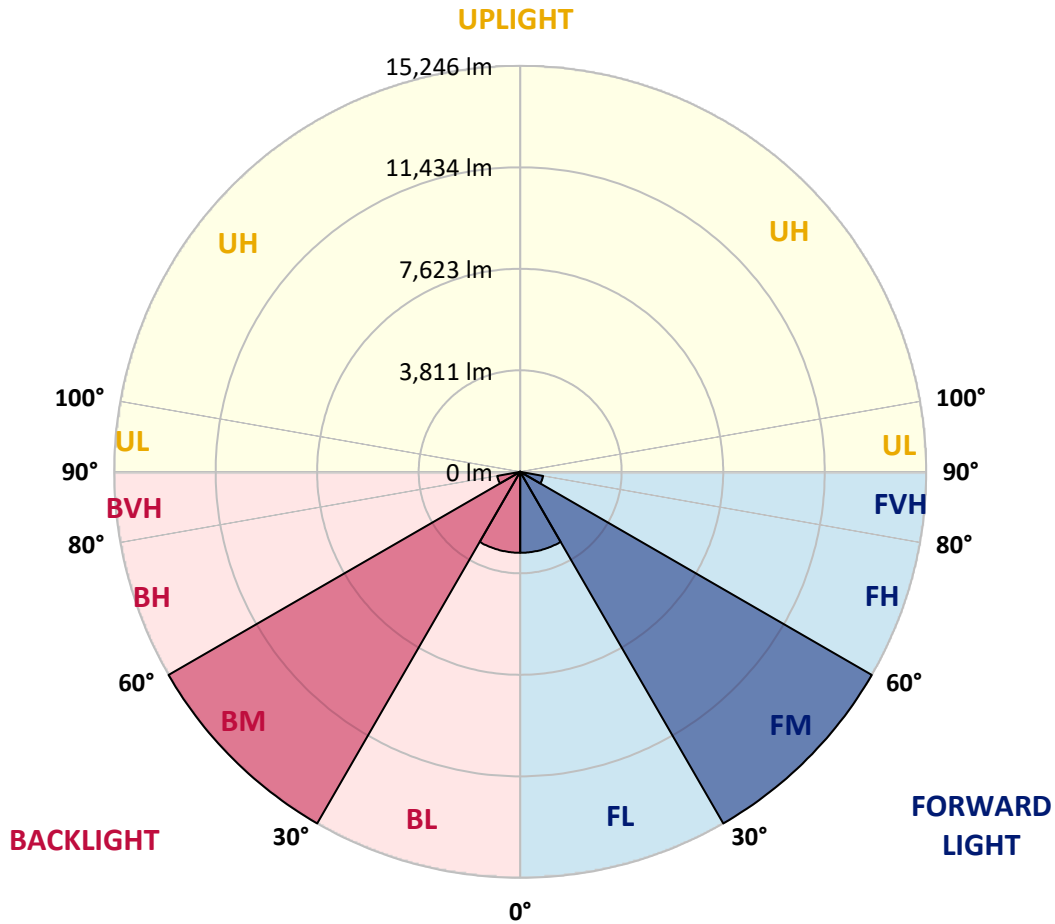


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3039.2	7.9			
FM (30°-60°)	15245.9	39.7			
FH (60°-80°)	873.1	2.3			G1/1800
FVH (80°-90°)	26.3	0.1			G1/100
BL (0°-30°)	3039.2	7.9	B4/5000		
BM (30°-60°)	15245.9	39.7	B5		
BH (60°-80°)	873.1	2.3	B2/1000		G1/1800
BVH (80°-90°)	26.3	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°	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4	5319.4
2.5°	5300.1	5300.1	5293.6	5345.3	5319.4	5377.5	5371.1	5390.5	5409.8	5403.4	5455.0
5°	5254.9	5248.4	5248.4	5306.5	5364.6	5429.2	5487.3	5526.0	5590.6	5590.6	5655.1
7.5°	5300.1	5267.8	5313.0	5338.8	5448.6	5558.3	5655.1	5732.6	5881.1	5932.7	5913.4
10°	5313.0	5351.7	5384.0	5461.5	5597.0	5764.9	5848.8	6042.5	6210.3	6326.5	6352.3
12.5°	5396.9	5455.0	5545.4	5732.6	5855.3	6074.7	6190.9	6378.2	6610.6	6739.7	6830.1
15°	5558.3	5577.7	5693.9	5932.7	6197.4	6397.5	6578.3	6713.9	6939.8	7088.3	7094.7
17.5°	5764.9	5848.8	6010.2	6236.1	6513.7	6810.7	6952.7	7101.2	7185.1	7385.2	7430.4
20°	6178.0	6190.9	6345.9	6642.8	6991.4	7262.6	7365.9	7443.3	7411.1	7617.6	7656.4
22.5°	6565.4	6578.3	6772.0	7172.2	7546.6	7779.0	7824.2	7779.0	7682.2	7830.7	7843.6
25°	6959.2	7075.4	7217.4	7617.6	8082.4	8392.3	8398.8	8276.1	8076.0	8101.8	8166.4
27.5°	7572.5	7656.4	7804.9	8172.8	8682.8	9031.4	8973.3	8824.8	8566.6	8586.0	8566.6
30°	8289.0	8366.5	8489.2	8960.4	9334.8	9715.7	9799.6	9657.6	9270.3	9186.4	9283.2
32.5°	9154.1	9263.8	9489.8	9922.3	10238.6	10471.0	10529.1	10477.5	10116.0	10083.7	10148.3
35°	10206.4	10354.8	10561.4	10942.3	11200.5	11620.1	11620.1	11445.8	11116.6	11155.3	11148.9
37.5°	11316.7	11536.2	11859.0	12246.3	12594.9	12820.9	12749.9	12601.4	12272.2	12188.2	12272.2
40°	12711.1	12820.9	13227.6	13731.1	14157.2	14415.4	14112.0	13789.2	13001.6	13124.3	13350.2
42.5°	13982.9	14157.2	14467.1	15022.3	15506.4	15719.5	15357.9	14718.8	13769.9	13673.0	13840.9
45°	15067.4	15254.7	15661.4	16455.4	16965.4	17152.6	16352.1	15319.2	14234.7	13989.4	14060.4
47.5°	15790.5	15887.3	16455.4	17210.7	17675.5	18101.6	16952.5	15732.4	14454.2	13989.4	13963.5
50°	15512.9	15680.7	16345.7	17204.3	18049.9	18353.4	17255.9	16048.7	14525.2	13931.3	13853.8
52.5°	13776.3	14066.8	14809.2	15964.8	17243.0	18327.5	17675.5	15945.4	14499.3	13989.4	14105.6
55°	9586.6	9593.1	10496.9	12201.1	14460.6	17017.0	17062.2	16061.6	14667.2	14350.9	14357.3
57.5°	3854.0	4047.7	4738.4	6449.2	8534.3	11684.7	13892.5	14899.6	14686.6	14609.1	14809.2
60°	974.8	981.3	1194.3	1820.5	3001.9	5009.6	7275.5	9844.8	11336.1	11846.1	11917.1
62.5°	497.1	503.5	555.2	645.6	819.9	1342.8	2388.6	3789.5	5390.5	6203.9	6416.9
65°	406.7	406.7	439.0	484.2	490.6	516.5	619.7	884.4	1284.7	1459.0	1478.3
67.5°	309.9	309.9	335.7	361.5	374.4	368.0	355.1	368.0	445.4	426.1	413.2
70°	193.7	200.1	213.0	238.9	251.8	258.2	264.7	277.6	316.3	329.2	316.3
72.5°	116.2	116.2	122.7	142.0	161.4	174.3	193.7	206.6	225.9	258.2	251.8
75°	51.6	51.6	64.6	83.9	103.3	122.7	142.0	161.4	174.3	193.7	200.1
77.5°	12.9	19.4	32.3	58.1	77.5	103.3	129.1	148.5	161.4	161.4	154.9
80°	6.5	6.5	25.8	45.2	83.9	109.7	142.0	154.9	174.3	161.4	142.0
82.5°	6.5	6.5	25.8	45.2	77.5	109.7	148.5	167.8	180.8	161.4	135.6
85°	0.0	6.5	19.4	38.7	64.6	77.5	64.6	45.2	25.8	25.8	19.4
87.5°	0.0	0.0	6.5	6.5	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)