

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: P532642

Luminaire Tested: **GALN-SA8A-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30363 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

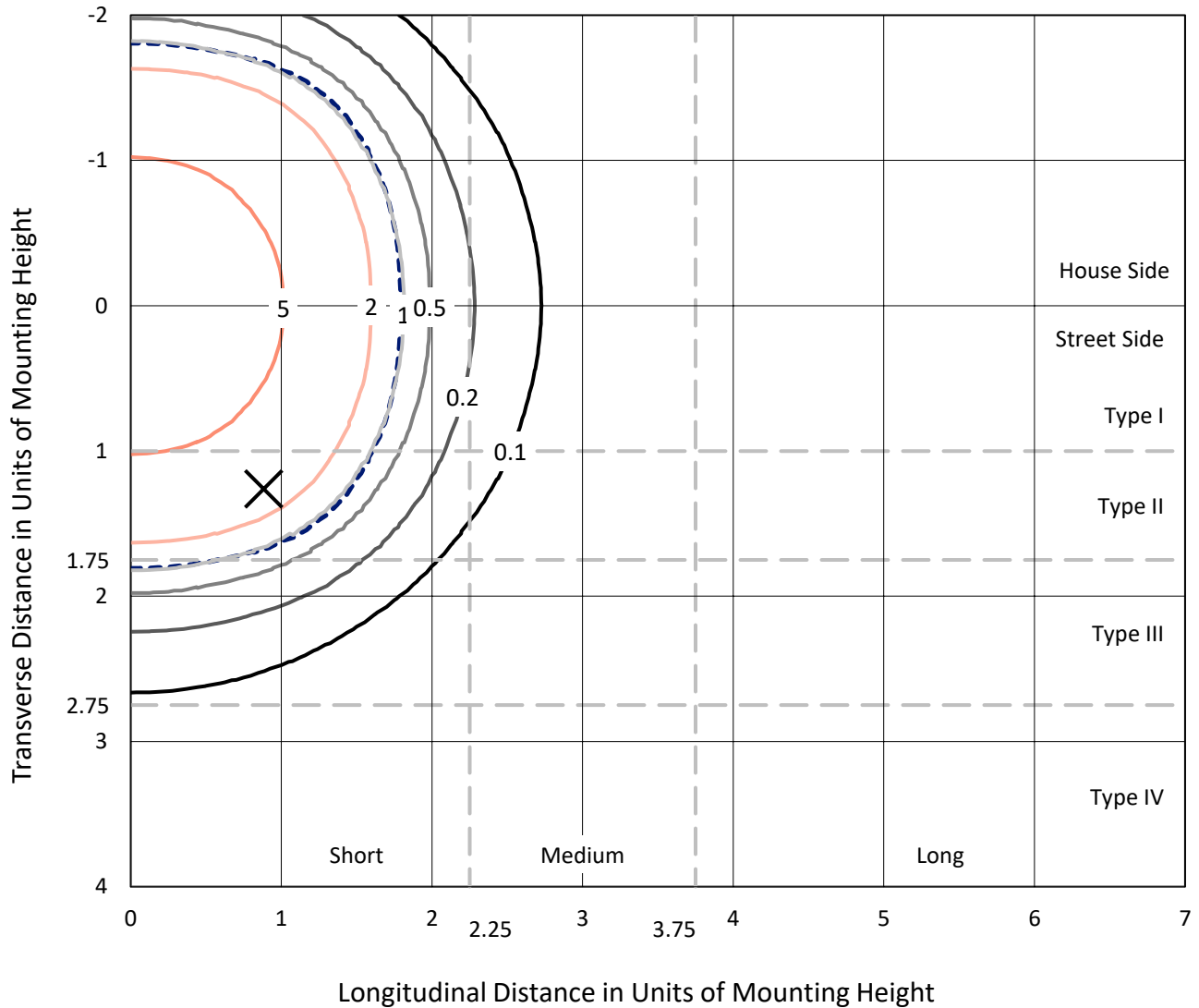
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

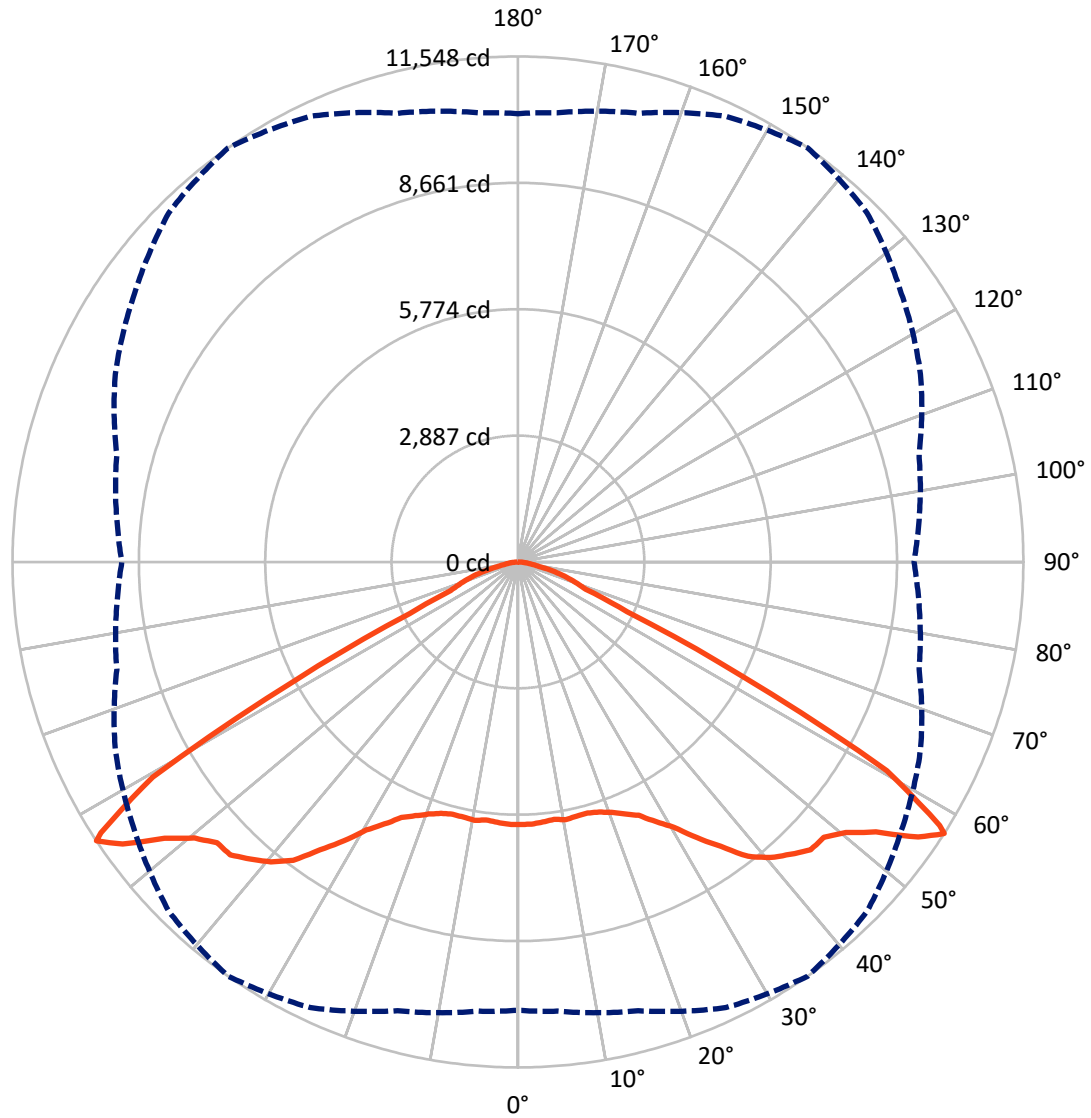
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15181.5	0.0	15181.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15181.5	0.0	15181.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30363.0	0.0	30363.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.5	1.9
10°-20°	1683.7	5.5
20°-30°	2940.6	9.7
30°-40°	4818.2	15.9
40°-50°	7064.6	23.3
50°-60°	8898.4	29.3
60°-70°	3346.6	11.0
70°-80°	889.8	2.9
80°-90°	152.6	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°	30363.0	100.0
0°-180°	30363.0	100.0

**Coefficient of Utilization**



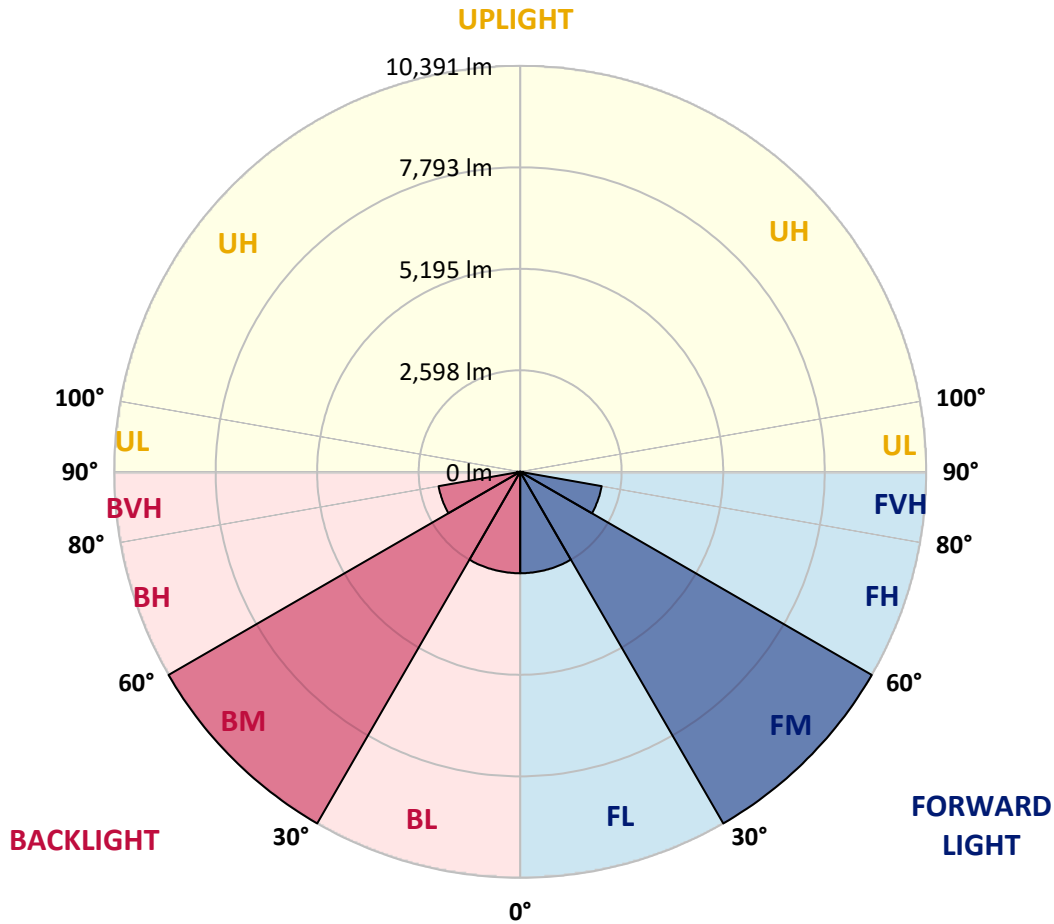
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2596.4	8.6			
FM (30°-60°)	10390.6	34.2			
FH (60°-80°)	2118.2	7.0			G2/5000
FVH (80°-90°)	76.3	0.3			G1/100
BL (0°-30°)	2596.4	8.6	B4/5000		
BM (30°-60°)	10390.6	34.2	B5		
BH (60°-80°)	2118.2	7.0	B3/2500		G2/5000
BVH (80°-90°)	76.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5	5996.5
2.5°	5966.5	6026.4	6000.2	5985.2	5996.5	5977.8	5947.8	5981.5	5974.0	5944.1	5932.9
5°	5951.6	5996.5	5966.5	5996.5	5966.5	6018.9	6004.0	5947.8	6015.2	5951.6	5974.0
7.5°	5940.4	5955.3	5962.8	5947.8	5936.6	6000.2	5966.5	5940.4	5902.9	5891.7	5910.4
10°	5914.2	5951.6	5895.5	5970.3	5985.2	5940.4	5940.4	5891.7	5861.8	5843.1	5906.7
12.5°	5981.5	5917.9	5910.4	5947.8	5959.1	5977.8	5925.4	5899.2	5843.1	5850.6	5839.4
15°	5902.9	5929.1	5932.9	5940.4	5951.6	5996.5	5947.8	5891.7	5869.3	5790.7	5798.2
17.5°	5932.9	5906.7	5932.9	6018.9	6004.0	6037.6	5985.2	5899.2	5846.8	5801.9	5861.8
20°	5985.2	5974.0	5985.2	6090.0	6108.7	6138.6	6093.7	6015.2	5914.2	5861.8	5891.7
22.5°	6041.4	6033.9	6041.4	6142.4	6250.8	6288.2	6243.4	6060.1	6007.7	5910.4	5876.8
25°	6142.4	6149.8	6228.4	6340.6	6411.7	6482.8	6400.5	6269.5	6101.2	6041.4	5970.3
27.5°	6366.8	6385.5	6430.4	6595.0	6718.4	6782.0	6666.1	6486.5	6381.8	6258.3	6239.6
30°	6643.6	6643.6	6722.2	6864.3	7032.7	7129.9	6987.8	6774.6	6647.4	6580.0	6538.9
32.5°	7010.2	6969.1	6999.0	7249.6	7511.5	7593.8	7403.0	7141.1	6939.1	6849.4	6819.4
35°	7324.4	7350.6	7418.0	7687.3	7979.1	8169.9	7870.6	7530.2	7324.4	7242.1	7227.2
37.5°	7732.2	7777.1	7810.7	8181.1	8532.7	8603.8	8315.8	8042.7	7792.0	7724.7	7687.3
40°	8308.3	8278.3	8289.6	8562.6	8880.6	8925.5	8641.2	8446.7	8240.9	8199.8	8199.8
42.5°	8783.3	8749.7	8787.1	8888.1	9131.2	9097.6	8940.5	8798.3	8712.3	8667.4	8712.3
45°	9071.4	9063.9	9131.2	9206.1	9378.1	9265.9	9142.5	9164.9	9082.6	9007.8	9004.1
47.5°	9385.6	9337.0	9419.3	9531.5	9400.6	9348.2	9340.7	9389.4	9363.2	9232.2	9191.1
50°	9539.0	9520.3	9651.2	9782.1	9711.1	9591.4	9617.5	9696.1	9359.4	9183.6	9082.6
52.5°	9950.5	9954.2	10204.8	10275.9	10246.0	10070.2	10126.3	9913.1	9516.5	9269.7	9280.9
55°	10597.6	10571.4	10852.0	11061.5	11095.2	10870.7	10601.4	10302.1	9804.6	9553.9	9479.1
57°	10242.3	10302.1	10612.6	11233.6	11547.8	11282.2	10694.9	10148.7	9486.6	9183.6	9048.9
57.5°	9767.2	9864.4	10403.1	11027.8	11357.0	11334.6	10578.9	9864.4	9273.4	8802.1	8813.3
60°	7156.1	7174.8	7661.1	8652.4	9681.1	9703.6	8783.3	7836.9	7178.6	6666.1	6737.1
62.5°	3774.4	3860.5	4055.0	4851.8	5742.1	5959.1	5401.7	4915.4	4346.8	3957.7	3995.2
65°	1997.6	1986.4	2079.9	2304.3	2742.0	2854.2	2779.4	2394.1	2195.8	2132.2	2136.0
67.5°	1623.5	1642.2	1631.0	1642.2	1672.1	1720.8	1709.5	1724.5	1735.7	1754.4	1750.7
70°	1376.6	1376.6	1384.1	1387.8	1387.8	1410.3	1436.5	1485.1	1488.8	1507.5	1515.0
72.5°	1084.8	1077.3	1088.6	1114.8	1118.5	1137.2	1174.6	1204.5	1215.8	1215.8	1193.3
75°	736.9	744.4	759.4	781.8	804.3	837.9	867.9	886.6	894.0	882.8	871.6
77.5°	415.2	422.7	433.9	467.6	493.8	523.7	557.4	576.1	594.8	598.5	576.1
80°	246.9	246.9	265.6	291.8	321.7	351.6	381.6	404.0	411.5	411.5	400.3
82.5°	149.6	153.4	168.3	194.5	220.7	239.4	265.6	284.3	299.3	295.5	288.0
85°	78.6	78.6	93.5	116.0	134.7	153.4	153.4	142.1	134.7	116.0	108.5
87.5°	26.2	22.4	29.9	29.9	26.2	29.9	29.9	33.7	33.7	33.7	33.7
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)