

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: P533348

Luminaire Tested: **GALN-SA8D-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49369 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

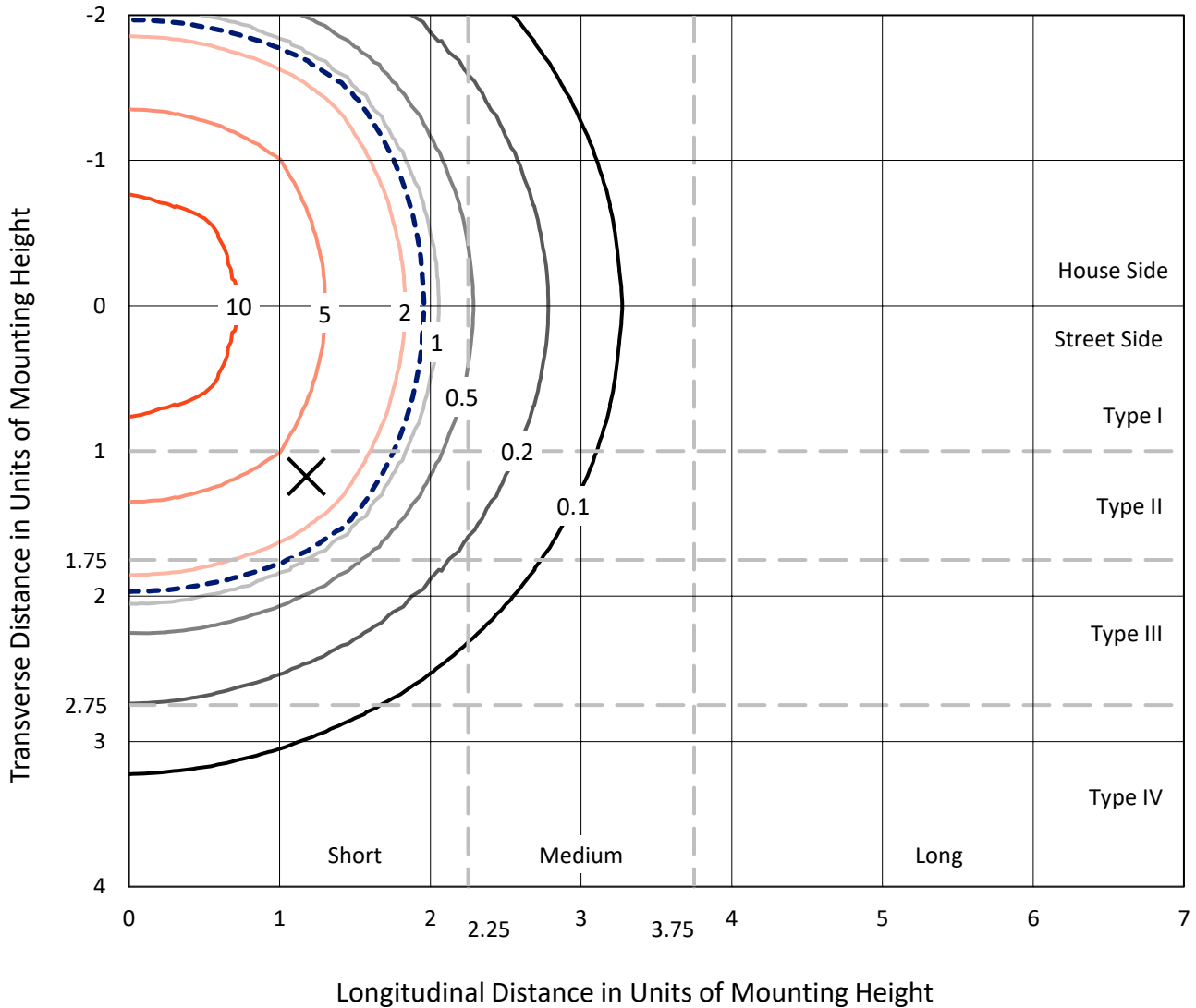
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

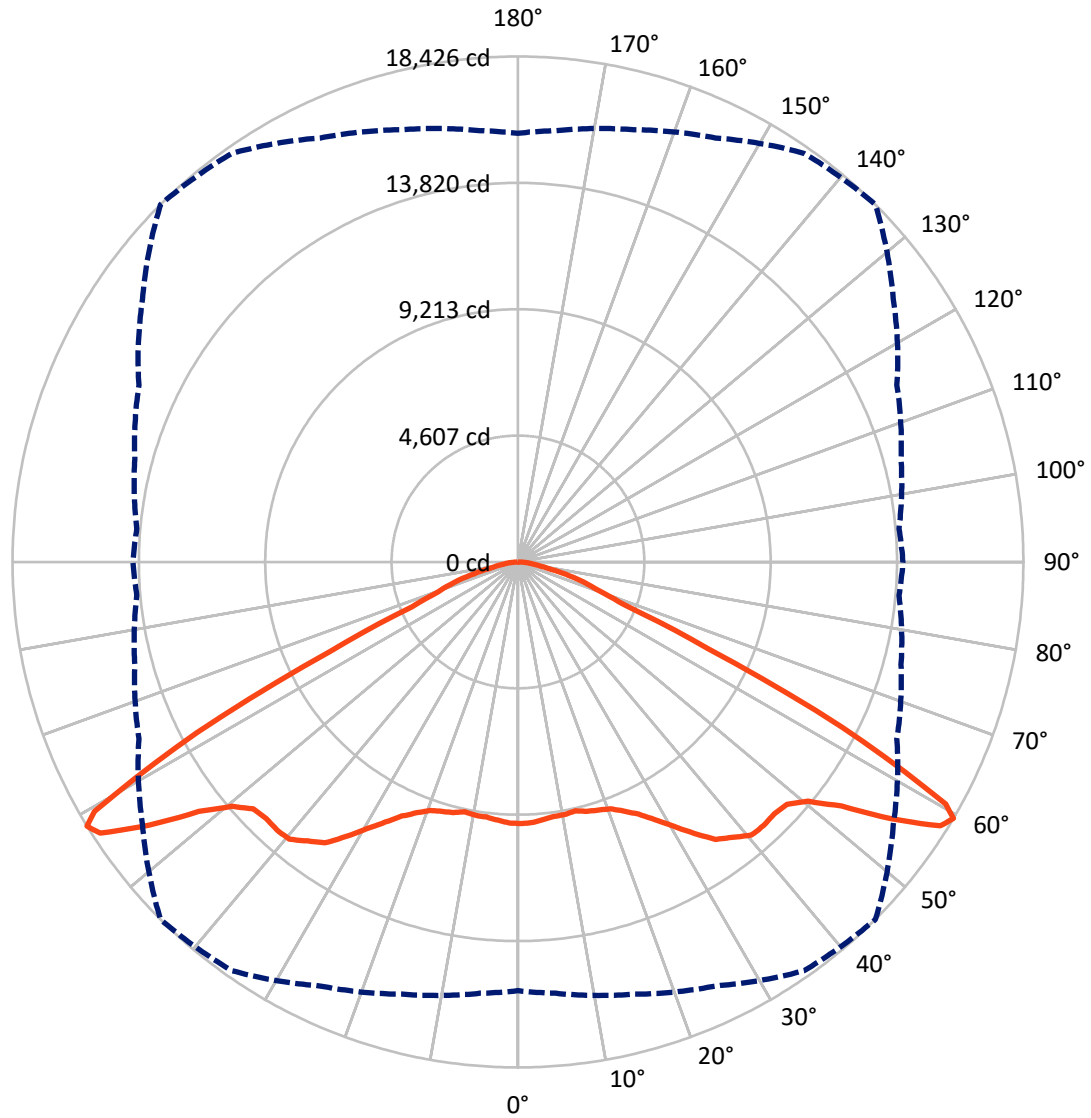
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24684.5	0.0	24684.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24684.5	0.0	24684.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49369.0	0.0	49369.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	898.9	1.8
10°-20°	2673.2	5.4
20°-30°	4667.7	9.5
30°-40°	7455.0	15.1
40°-50°	10155.3	20.6
50°-60°	13732.6	27.8
60°-70°	7531.0	15.3
70°-80°	1926.6	3.9
80°-90°	328.6	0.7
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°	49369.0	100.0
0°-180°	49369.0	100.0

**Coefficient of Utilization**

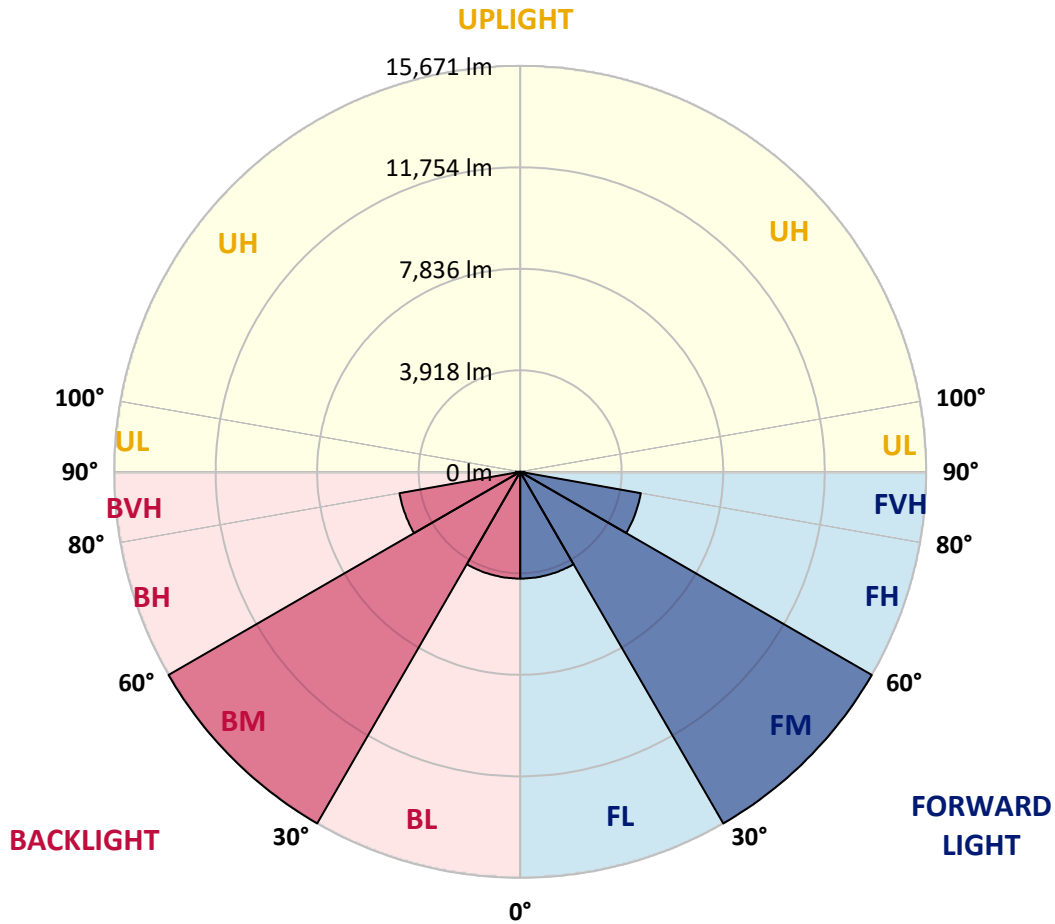


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4119.9	8.3			
FM (30°-60°)	15671.4	31.7			
FH (60°-80°)	4728.8	9.6			G2/5000
FVH (80°-90°)	164.3	0.3			G2/225
BL (0°-30°)	4119.9	8.3	B4/5000		
BM (30°-60°)	15671.4	31.7	B5		
BH (60°-80°)	4728.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	164.3	0.3			G2/225
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°	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7	9535.7
2.5°	9478.8	9548.4	9497.8	9542.1	9535.7	9516.7	9485.1	9466.1	9440.8	9478.8	9415.5
5°	9440.8	9497.8	9554.7	9478.8	9478.8	9440.8	9421.8	9383.9	9383.9	9377.5	9371.2
7.5°	9504.1	9447.1	9421.8	9434.5	9447.1	9364.9	9421.8	9345.9	9282.6	9326.9	9377.5
10°	9447.1	9472.5	9377.5	9421.8	9352.2	9364.9	9326.9	9377.5	9307.9	9307.9	9307.9
12.5°	9504.1	9434.5	9466.1	9434.5	9415.5	9307.9	9358.6	9301.6	9295.3	9358.6	9301.6
15°	9618.0	9504.1	9478.8	9415.5	9434.5	9434.5	9383.9	9390.2	9320.6	9358.6	9371.2
17.5°	9580.0	9516.7	9497.8	9421.8	9485.1	9504.1	9409.2	9345.9	9390.2	9383.9	9377.5
20°	9611.7	9637.0	9618.0	9630.6	9656.0	9605.3	9516.7	9428.2	9371.2	9453.5	9447.1
22.5°	9814.1	9788.8	9776.2	9763.5	9807.8	9858.4	9738.2	9599.0	9599.0	9656.0	9681.3
25°	9978.7	9972.3	9966.0	10023.0	10174.8	10174.8	10023.0	9845.8	9801.5	9839.5	9807.8
27.5°	10219.1	10288.7	10263.4	10364.6	10586.1	10636.7	10434.3	10225.4	10105.2	10060.9	10117.9
30°	10769.6	10687.4	10706.3	10813.9	11010.1	11174.6	10864.5	10643.1	10478.5	10472.2	10497.5
32.5°	11136.6	11199.9	11256.8	11358.1	11668.1	11794.7	11421.4	11060.7	10959.4	10902.5	10921.5
35°	11870.6	11813.7	11801.0	11902.3	12212.3	12421.1	11952.9	11636.5	11503.6	11630.2	11630.2
37.5°	12566.7	12408.5	12288.2	12421.1	12705.9	12731.2	12332.5	12161.7	12092.1	12237.6	12231.3
40°	12895.7	12883.0	12604.6	12680.6	13060.2	13098.2	12724.9	12522.4	12509.7	12699.5	12889.4
42.5°	13237.4	13117.2	12838.7	12889.4	13123.5	13136.1	12781.8	12724.9	12864.1	13047.6	13060.2
45°	13294.3	13193.1	13015.9	12889.4	13060.2	13098.2	12889.4	12927.3	12940.0	13161.5	13161.5
47.5°	13408.2	13395.6	13294.3	13199.4	13231.1	13199.4	13066.5	13123.5	13313.3	13420.9	13370.3
50°	13724.6	13591.7	13693.0	13610.7	13617.0	13705.6	13585.4	13642.4	13604.4	13509.5	13446.2
52.5°	14420.7	14357.4	14446.0	14502.9	14566.2	14768.7	14629.5	14325.7	14041.0	13787.9	13781.6
55°	15439.4	15483.7	15654.5	15945.6	16192.4	16515.1	15844.4	15116.7	14661.1	14262.5	14287.8
57.5°	16401.2	16369.6	16603.7	17268.1	17989.4	18154.0	16837.8	15800.1	15059.7	14806.6	14699.1
59°	15629.2	15781.1	16312.6	17052.9	18185.6	18426.0	16704.9	15243.2	14458.6	13946.1	14034.7
60°	14414.3	14471.3	14945.8	15977.3	17508.5	17919.8	15812.7	14382.7	13338.6	13041.2	13174.1
62.5°	10187.5	10143.2	10484.9	11326.4	12699.5	13256.4	11756.7	10750.6	10092.6	9763.5	9839.5
65°	5416.4	5618.9	5758.1	6283.3	7011.0	7599.5	6979.4	6542.8	6175.8	5903.7	5897.3
67.5°	3657.4	3632.1	3663.7	3783.9	4030.7	4195.2	4182.6	3961.1	3929.5	3878.8	3935.8
70°	3081.6	3068.9	3011.9	3011.9	3062.6	3100.5	3144.8	3170.1	3220.8	3284.0	3277.7
72.5°	2499.4	2467.8	2429.8	2410.8	2474.1	2493.1	2550.0	2575.3	2619.6	2613.3	2670.3
75°	1651.5	1651.5	1695.8	1746.4	1765.4	1803.4	1809.7	1885.6	1885.6	1898.3	1847.7
77.5°	923.8	898.5	930.2	980.8	1025.1	1094.7	1164.3	1221.2	1252.9	1240.2	1240.2
80°	537.8	537.8	569.5	626.4	683.4	746.7	797.3	841.6	873.2	860.6	835.2
82.5°	335.4	335.4	367.0	424.0	468.2	506.2	575.8	632.8	670.7	658.1	626.4
85°	170.8	170.8	208.8	246.8	303.7	329.0	322.7	297.4	291.1	259.4	259.4
87.5°	44.3	44.3	63.3	69.6	56.9	63.3	63.3	63.3	63.3	63.3	69.6
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)