

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: P955603

Luminaire Tested: **GALN-SB8C-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63420 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

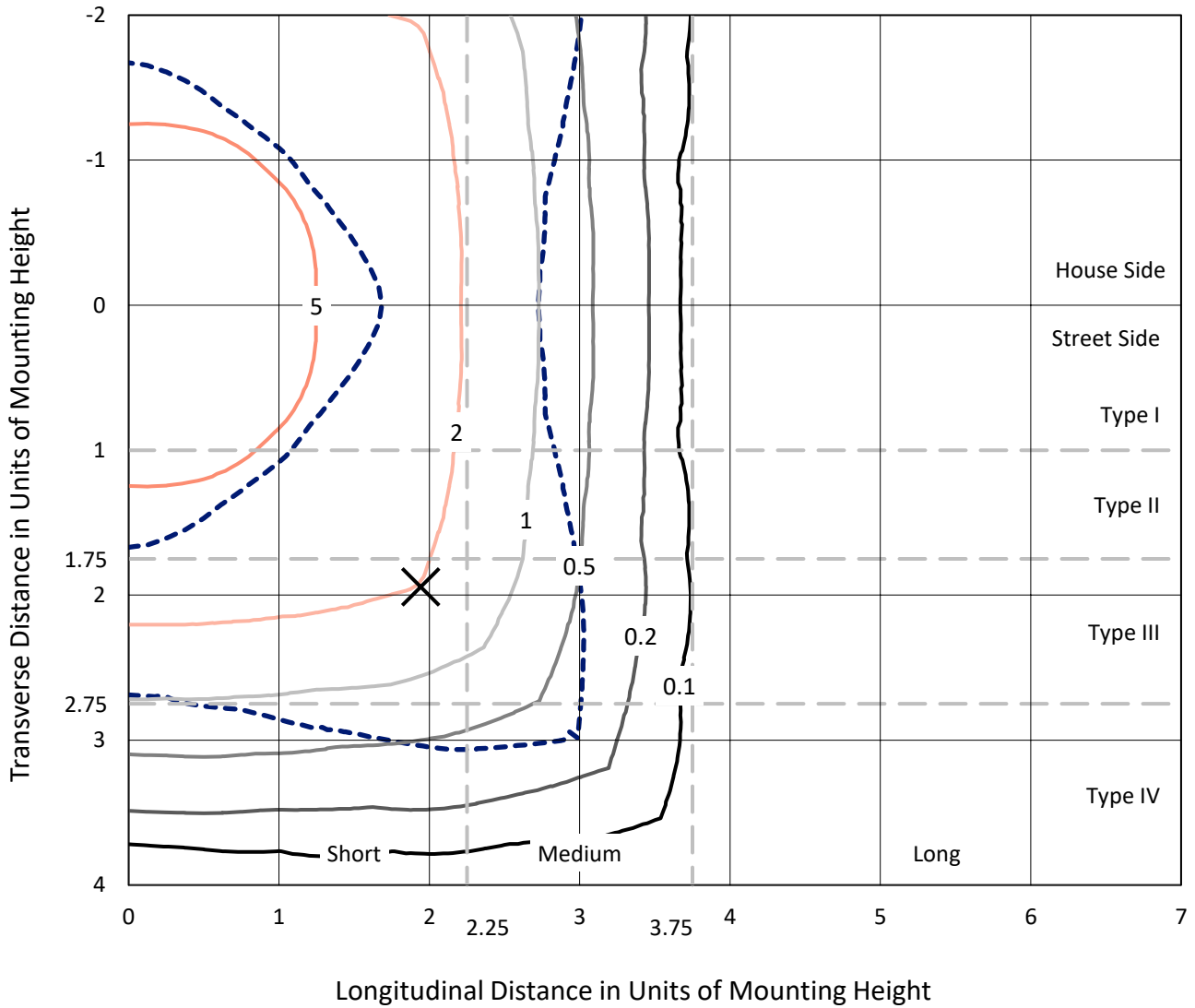
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

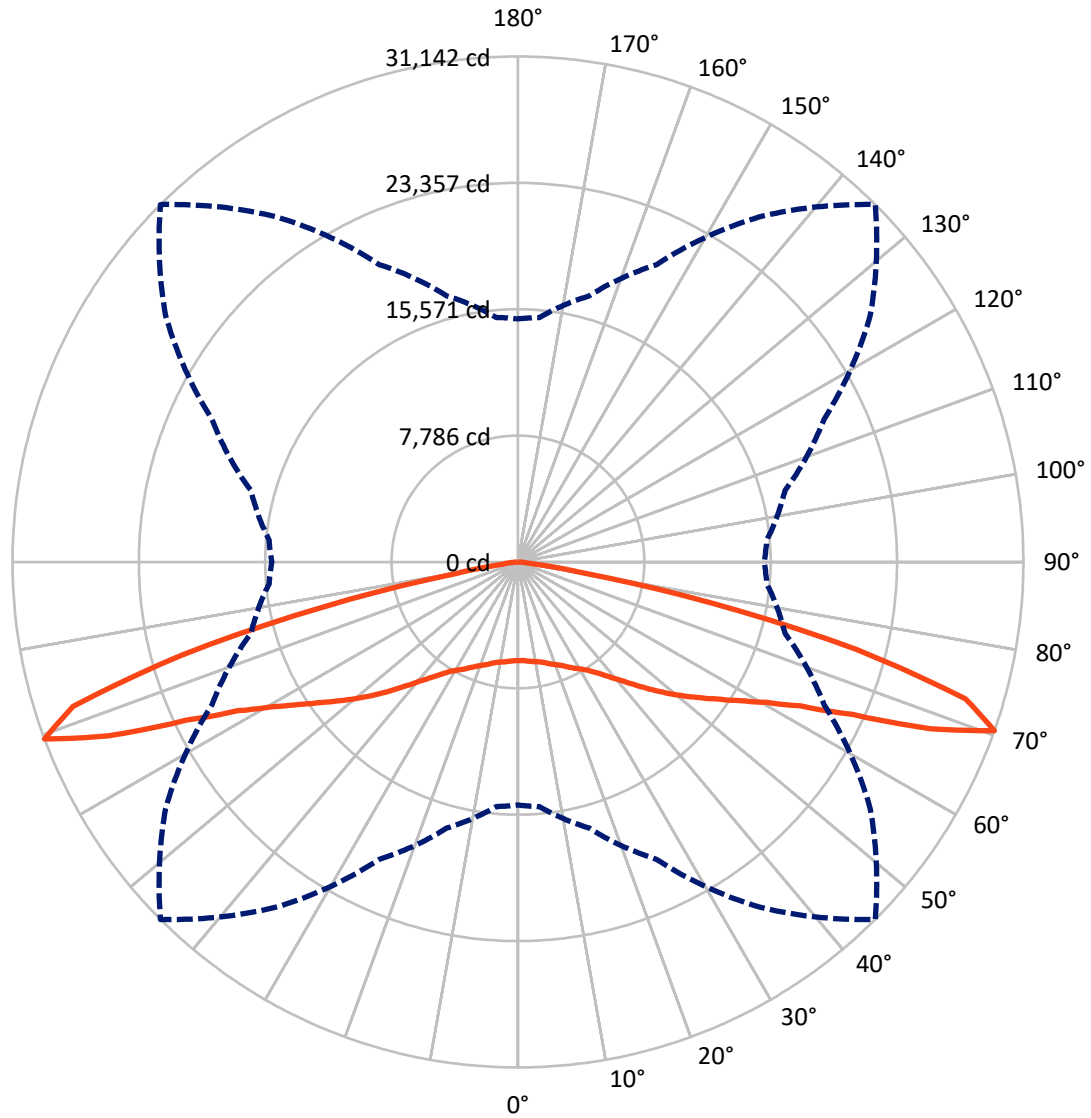
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31710.0	0.0	31710.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31710.0	0.0	31710.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63420.0	0.0	63420.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.2	0.9
10°-20°	1830.1	2.9
20°-30°	3270.6	5.2
30°-40°	5301.6	8.4
40°-50°	8635.4	13.6
50°-60°	13166.1	20.8
60°-70°	19587.0	30.9
70°-80°	10675.5	16.8
80°-90°	363.5	0.6
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°	63420.0	100.0
0°-180°	63420.0	100.0



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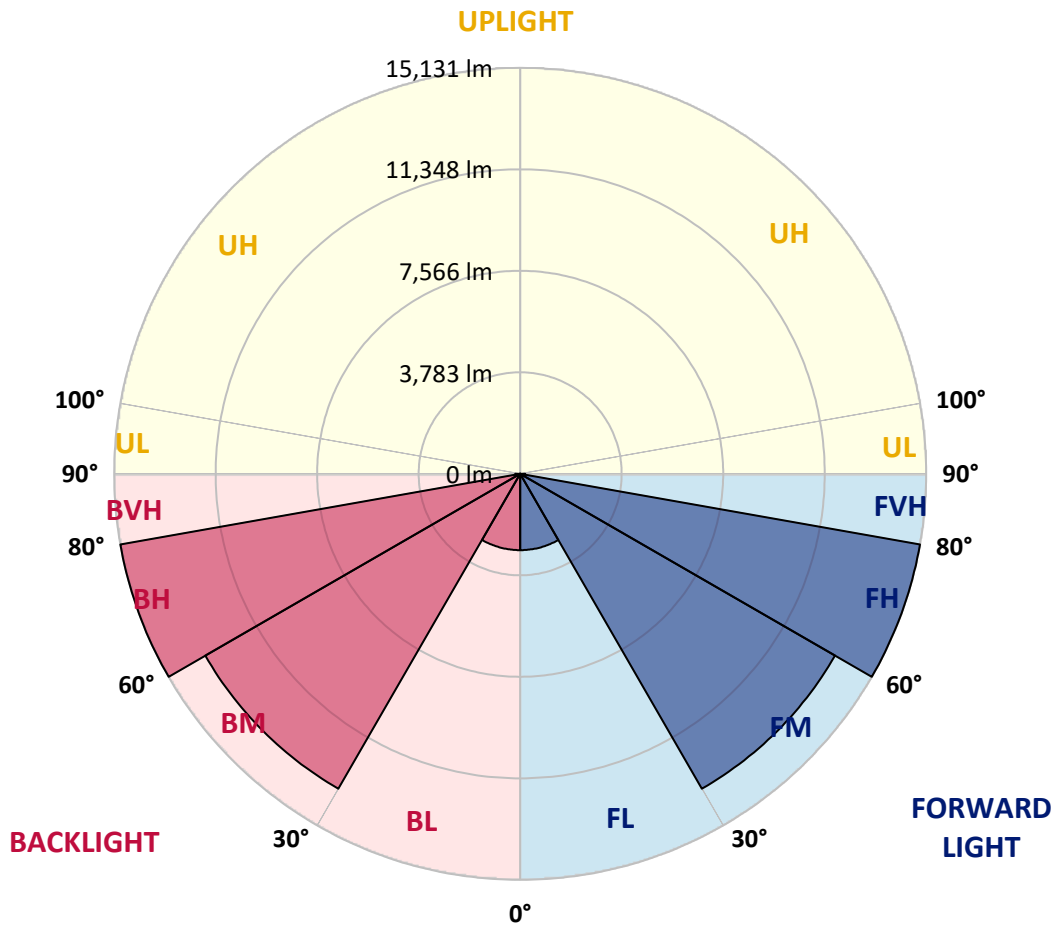
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2845.4	4.5			
FM (30°-60°)	13551.6	21.4			
FH (60°-80°)	15131.2	23.9			G5
FVH (80°-90°)	181.8	0.3			G2/225
BL (0°-30°)	2845.4	4.5	B4/5000		
BM (30°-60°)	13551.6	21.4	B5		
BH (60°-80°)	15131.2	23.9	B5		G5
BVH (80°-90°)	181.8	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6075.0	6075.0	6075.0	6075.0	6075.0	6075.0	6075.0	6075.0	6075.0	6075.0
2.5°	6103.6	6110.0	6097.3	6090.9	6084.5	6075.0	6078.2	6094.1	6106.8	6103.6
5°	6154.6	6160.9	6151.4	6148.2	6135.5	6132.3	6132.3	6148.2	6157.8	6151.4
7.5°	6211.9	6221.4	6205.5	6202.3	6196.0	6189.6	6186.4	6202.3	6211.9	6211.9
10°	6266.0	6275.6	6262.8	6253.3	6246.9	6246.9	6240.5	6253.3	6269.2	6266.0
12.5°	6323.3	6329.7	6317.0	6310.6	6310.6	6320.1	6310.6	6317.0	6329.7	6323.3
15°	6393.4	6396.6	6393.4	6402.9	6418.8	6450.7	6422.0	6415.7	6422.0	6406.1
17.5°	6488.9	6495.3	6508.0	6530.3	6552.6	6609.9	6558.9	6543.0	6543.0	6511.2
20°	6606.7	6616.3	6635.4	6673.6	6702.2	6756.3	6705.4	6683.1	6673.6	6632.2
22.5°	6730.9	6746.8	6775.4	6826.4	6877.3	6928.3	6877.3	6839.1	6810.5	6756.3
25°	6874.2	6893.3	6937.8	7020.6	7090.7	7163.9	7103.4	7027.0	6969.7	6893.3
27.5°	7077.9	7100.2	7154.3	7256.2	7345.4	7409.1	7351.7	7253.0	7173.4	7081.1
30°	7364.5	7386.8	7450.4	7558.7	7619.2	7660.6	7622.4	7546.0	7450.4	7345.4
32.5°	7733.8	7762.5	7832.5	7934.4	7947.1	7953.5	7940.8	7902.6	7832.5	7705.2
35°	8201.9	8233.7	8313.3	8396.1	8383.3	8396.1	8377.0	8364.2	8313.3	8166.8
37.5°	8775.0	8813.2	8896.0	8959.6	8927.8	8911.9	8915.1	8918.2	8889.6	8727.2
40°	9440.4	9491.4	9551.9	9618.7	9564.6	9516.8	9548.7	9574.1	9548.7	9383.1
42.5°	10125.0	10198.2	10261.9	10357.4	10312.8	10252.3	10296.9	10325.6	10271.4	10093.1
45°	10885.9	10956.0	11038.8	11182.0	11150.2	11086.5	11150.2	11156.6	11064.2	10854.1
47.5°	11672.4	11745.6	11869.8	12060.8	12048.1	11978.0	12060.8	12016.2	11898.4	11646.9
50°	12417.4	12519.3	12710.3	12977.8	13003.3	12917.3	13028.7	12942.8	12745.4	12430.1
52.5°	13117.9	13226.1	13528.6	13891.6	13983.9	13872.5	14022.1	13872.5	13576.4	13172.0
55°	13853.4	13974.4	14334.1	14808.6	14993.2	14910.4	15050.5	14824.5	14404.2	13913.9
57.5°	14719.4	14792.6	15222.5	15786.0	16098.1	16117.2	16180.8	15798.8	15289.3	14732.1
60°	15658.7	15760.6	16228.6	16903.6	17397.1	17556.3	17489.4	16922.7	16330.5	15690.5
62.5°	16862.2	16973.6	17534.0	18342.7	19122.8	19517.6	19256.5	18435.1	17702.8	16935.4
65°	17858.8	17983.0	18995.5	20437.8	21857.8	22650.6	21994.7	20482.4	19164.2	18081.7
67.5°	17136.0	17288.9	18877.6	21526.7	25057.7	27423.4	25178.7	21851.5	19269.3	17801.5
70°	14977.3	15120.6	16973.6	20211.7	25958.8	31142.2	26500.0	20807.1	17034.1	15391.2
72.5°	9943.5	10405.2	12280.5	16164.9	23179.2	28817.9	23408.4	15837.0	11392.2	9921.2
75°	3298.6	3667.9	4947.9	8380.2	15524.9	21552.2	14779.9	7415.4	3919.4	2821.0
77.5°	831.0	958.4	1321.3	2397.5	6192.8	12270.9	5575.1	1958.1	1066.6	745.0
80°	404.4	445.8	636.8	799.2	1550.6	3900.3	1455.1	751.4	503.1	388.4
82.5°	222.9	226.1	359.8	452.1	576.3	1009.3	598.6	439.4	289.7	235.6
85°	136.9	133.7	191.0	242.0	242.0	359.8	286.6	242.0	165.6	146.5
87.5°	54.1	54.1	70.0	76.4	66.9	92.3	73.2	79.6	63.7	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6075.0
6106.8
6154.6
6211.9
6266.0
6320.1
6406.1
6511.2
6632.2
6753.2
6890.1
7077.9
7345.4
7708.3
8166.8
8727.2
9383.1
10105.9
10876.4
11631.0
12423.8
13133.8
13847.0
14655.7
15588.6
16801.7
17903.4
17581.8
15171.5
9599.6
2668.2
665.4
356.6
235.6
152.8
63.7
0.0

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