

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: P943160

Luminaire Tested: **GALN-SB7C-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53873 lumens
Efficiency: N/A
Efficacy: 153.7 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

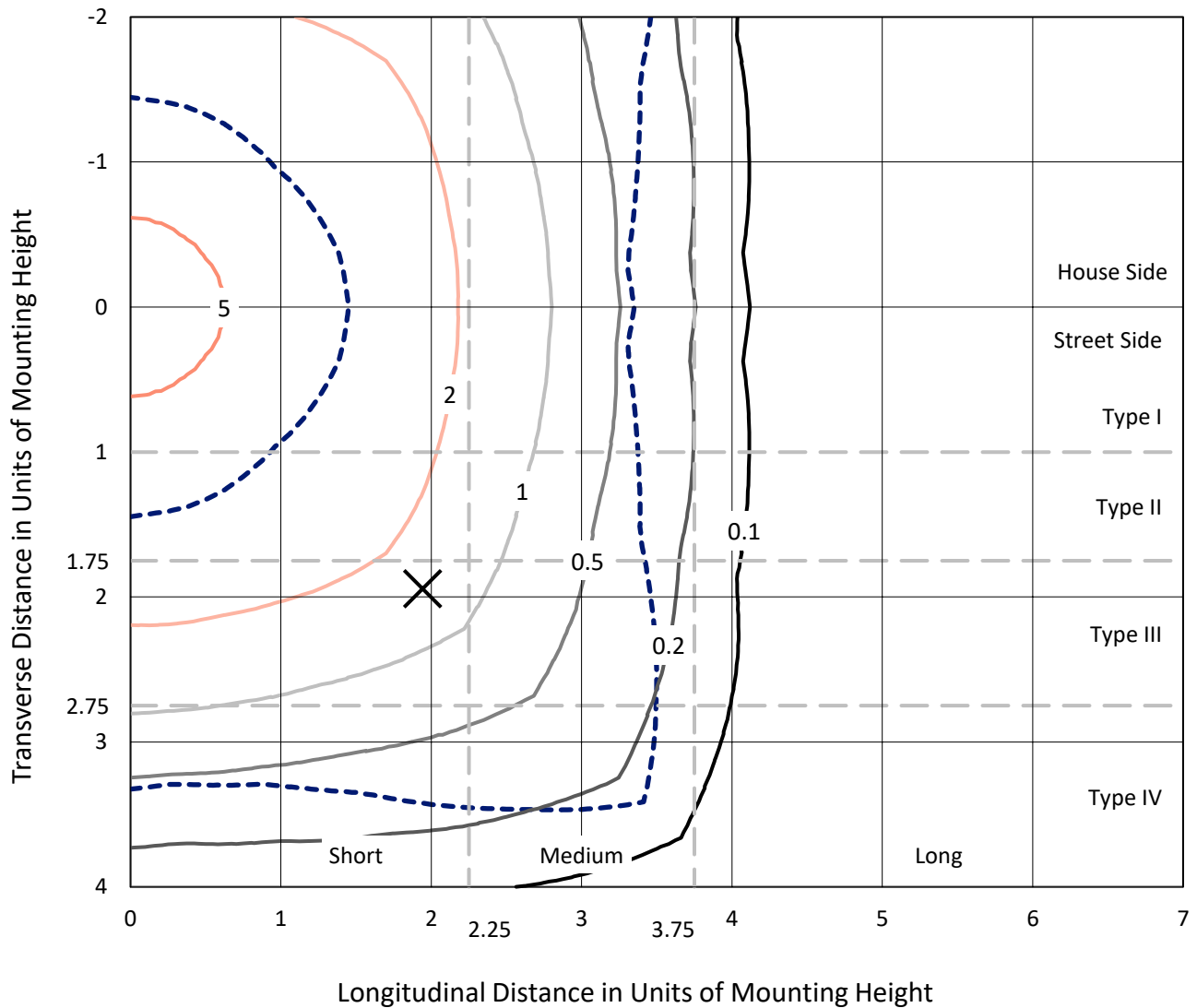
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

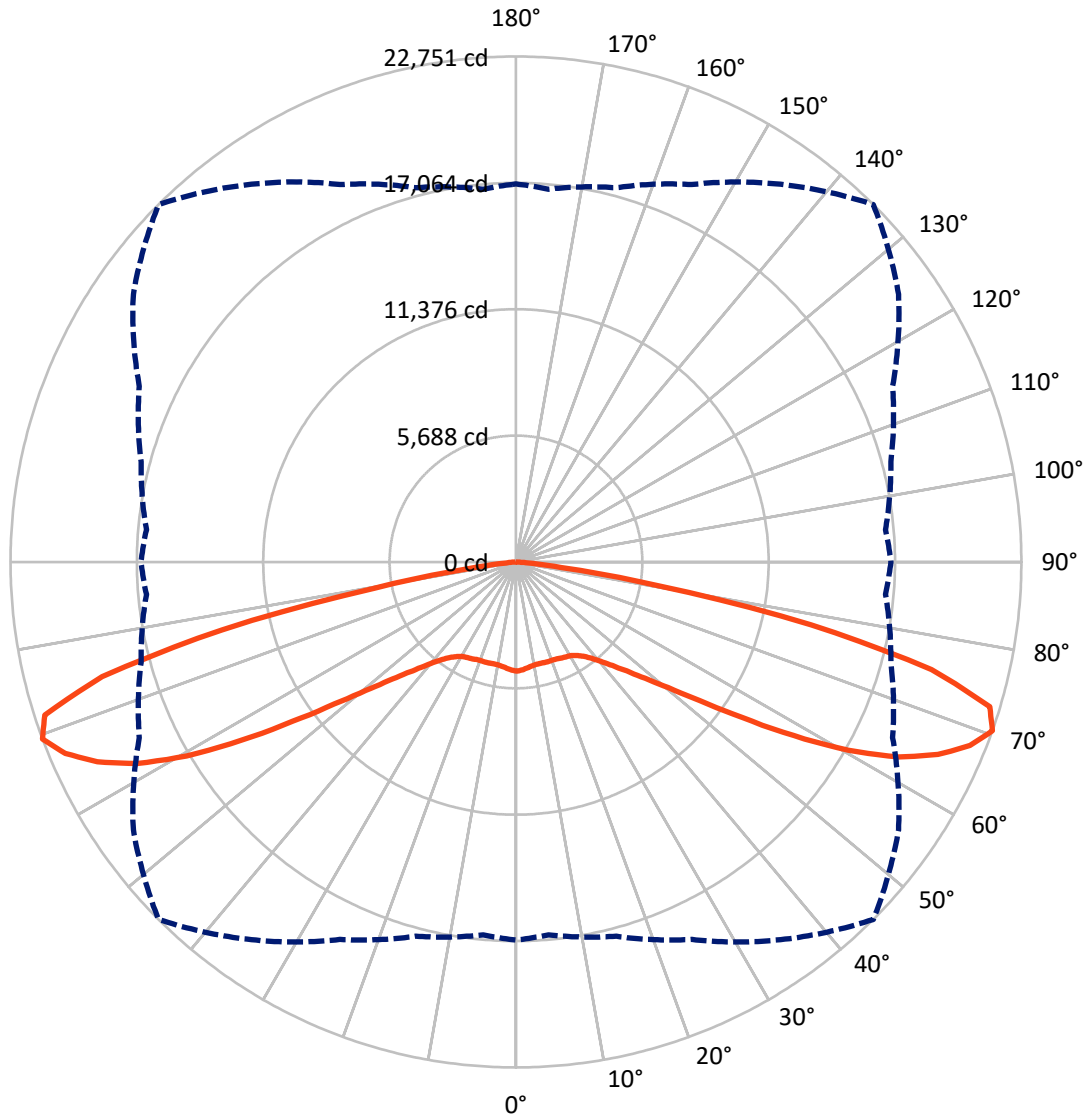
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	26936.5	0.0	26936.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26936.5	0.0	26936.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53873.0	0.0	53873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.1	0.8
10°-20°	1342.3	2.5
20°-30°	2233.8	4.1
30°-40°	3378.1	6.3
40°-50°	5613.6	10.4
50°-60°	10592.8	19.7
60°-70°	17886.3	33.2
70°-80°	11753.2	21.8
80°-90°	615.7	1.1
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°	53873.0	100.0
0°-180°	53873.0	100.0

Coefficient of Utilization



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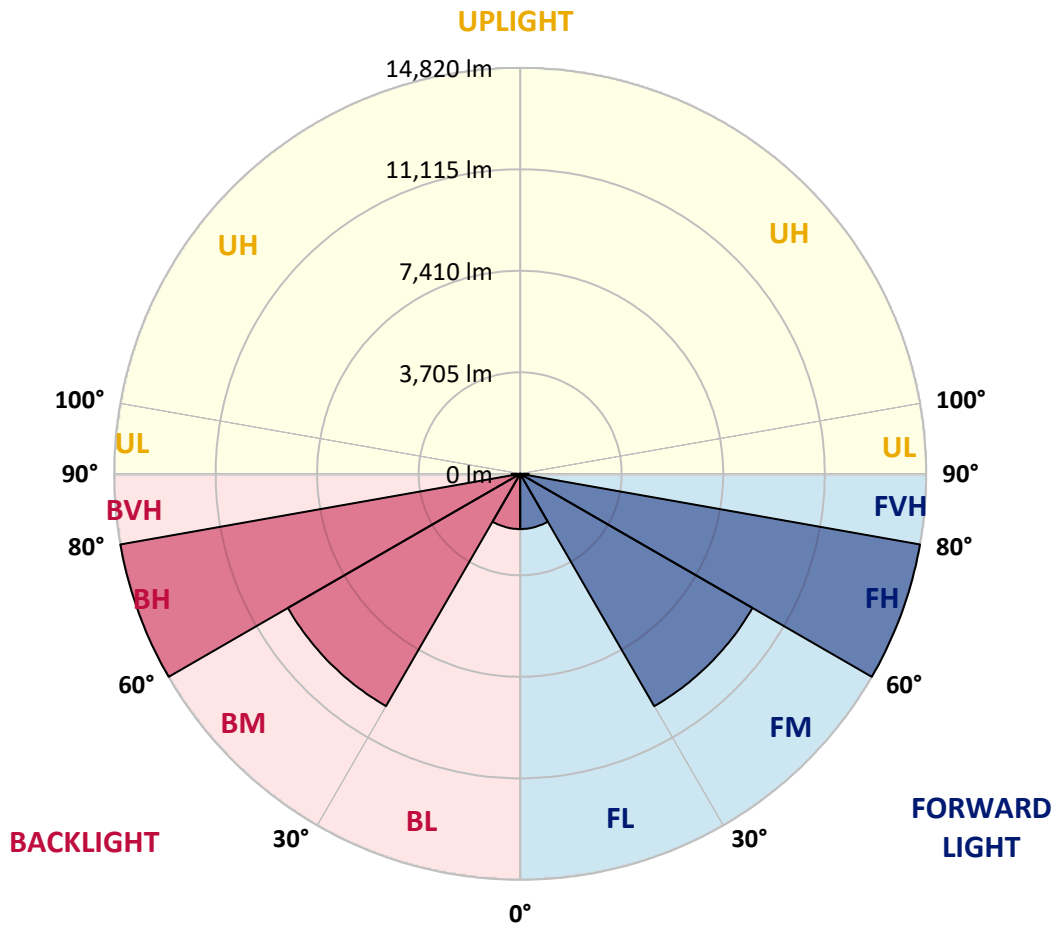
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2016.6	3.7			
FM (30°-60°)	9792.3	18.2			
FH (60°-80°)	14819.7	27.5			G5
FVH (80°-90°)	307.9	0.6			G3/500
BL (0°-30°)	2016.6	3.7	B3/2500		
BM (30°-60°)	9792.3	18.2	B5		
BH (60°-80°)	14819.7	27.5	B5		G5
BVH (80°-90°)	307.9	0.6			G3/500
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°	4914.3	4914.3	4914.3	4914.3	4914.3	4914.3	4914.3	4914.3	4914.3	4914.3
2.5°	4883.5	4897.5	4891.9	4880.7	4880.7	4872.3	4880.7	4886.3	4894.7	4900.3
5°	4819.1	4830.3	4827.5	4819.1	4821.9	4813.5	4819.1	4827.5	4833.1	4835.9
7.5°	4763.1	4774.3	4768.7	4754.7	4754.7	4746.3	4749.1	4757.5	4765.9	4768.7
10°	4749.1	4760.3	4743.5	4721.1	4712.7	4701.5	4704.3	4712.7	4729.5	4737.9
12.5°	4754.7	4763.1	4746.3	4712.7	4704.3	4693.1	4693.1	4701.5	4723.9	4735.1
15°	4771.5	4779.9	4754.7	4718.3	4709.9	4701.5	4698.7	4709.9	4735.1	4754.7
17.5°	4802.3	4810.7	4771.5	4721.1	4709.9	4712.7	4709.9	4718.3	4757.5	4793.9
20°	4830.3	4835.9	4782.7	4721.1	4709.9	4712.7	4709.9	4726.7	4777.1	4827.5
22.5°	4838.7	4844.3	4793.9	4740.7	4732.3	4735.1	4732.3	4749.1	4796.7	4847.1
25°	4841.5	4849.9	4810.7	4768.7	4782.7	4788.3	4782.7	4785.5	4821.9	4866.7
27.5°	4883.5	4894.7	4858.3	4821.9	4830.3	4827.5	4835.9	4844.3	4872.3	4917.1
30°	4970.3	4978.7	4947.9	4911.5	4905.9	4886.3	4911.5	4939.5	4970.3	5009.5
32.5°	5113.1	5129.9	5090.7	5051.5	5026.3	5015.1	5034.7	5082.3	5124.3	5166.3
35°	5351.1	5362.3	5325.9	5253.1	5208.3	5208.3	5225.1	5286.7	5353.9	5407.1
37.5°	5687.1	5701.2	5636.7	5549.9	5482.7	5482.7	5505.1	5569.5	5670.3	5746.0
40°	6096.0	6115.6	6034.4	5944.8	5880.4	5869.2	5897.2	5970.0	6065.2	6160.4
42.5°	6588.8	6611.2	6504.8	6426.4	6376.0	6376.0	6390.0	6457.2	6544.0	6661.6
45°	7218.8	7258.0	7112.4	7034.0	6986.4	6997.6	7006.0	7064.8	7143.2	7277.6
47.5°	7969.3	8008.5	7854.5	7773.3	7764.9	7818.1	7784.5	7826.5	7868.5	8022.5
50°	8820.5	8887.7	8781.3	8775.7	8792.5	8890.5	8812.1	8834.5	8786.9	8884.9
52.5°	9862.2	9960.2	9940.6	9974.2	10161.8	10363.4	10184.2	10105.8	9926.6	9957.4
55°	11125.1	11273.5	11301.5	11503.1	11928.7	12340.4	11959.5	11643.1	11262.3	11192.3
57.5°	12561.6	12679.2	12813.6	13225.2	14020.5	14751.3	14020.5	13320.4	12721.2	12578.4
60°	14107.3	14252.9	14381.7	14989.3	16171.0	17198.7	16148.6	15036.9	14244.5	14051.3
62.5°	15767.8	15955.4	16045.0	16719.8	18097.5	19324.0	18117.1	16770.2	15891.0	15683.8
65°	17361.1	17515.1	17615.9	18335.5	19651.6	20880.9	19741.2	18413.9	17509.5	17237.9
67.5°	18103.1	18187.1	18433.5	19248.4	20637.3	22040.2	20872.5	19335.2	18324.3	17848.3
70°	17016.6	16845.8	17439.5	18744.4	20754.9	22751.4	21023.7	18705.2	17467.5	16694.6
72.5°	13149.6	12855.6	13886.1	16117.8	19410.8	22297.8	19545.2	16243.8	14527.3	12959.2
75°	7154.4	6821.2	8243.7	11066.3	15479.4	19326.8	15835.0	11382.7	9179.0	7101.2
77.5°	2018.9	1892.9	3041.0	5353.9	9310.6	13569.6	9669.0	5471.5	3606.6	2139.3
80°	618.8	599.2	812.0	1612.9	3953.8	6499.2	3799.8	1632.5	1033.3	652.4
82.5°	366.8	336.0	403.2	588.0	1008.1	2041.3	980.1	613.2	492.8	330.4
85°	210.0	196.0	238.0	285.6	338.8	434.0	282.8	291.2	263.2	176.4
87.5°	86.8	78.4	92.4	89.6	78.4	100.8	75.6	89.6	106.4	70.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4914.3
4897.5
4835.9
4768.7
4737.9
4737.9
4757.5
4793.9
4830.3
4847.1
4863.9
4905.9
5001.1
5149.5
5387.5
5718.0
6129.6
6653.2
7272.0
7977.7
8826.1
9853.8
11083.1
12477.6
13883.3
15515.8
17103.5
17853.9
16879.4
13348.4
7563.3
2377.3
688.8
358.4
184.8
64.4
0.0

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