

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: P944360

Luminaire Tested: **GALN-SB9B-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944360
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-SB9B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54887 lumens
Efficiency: N/A
Efficacy: 166.6 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

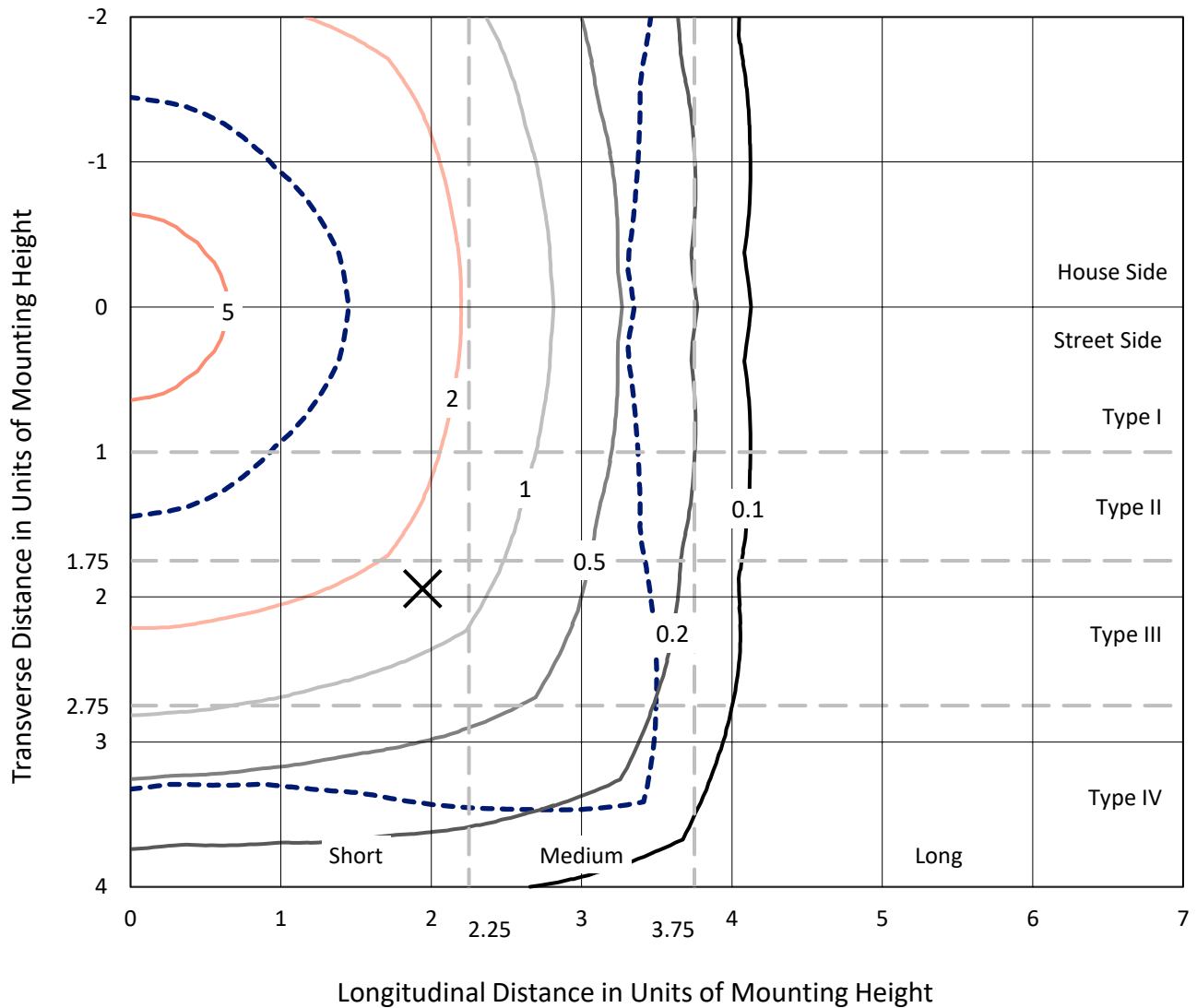
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

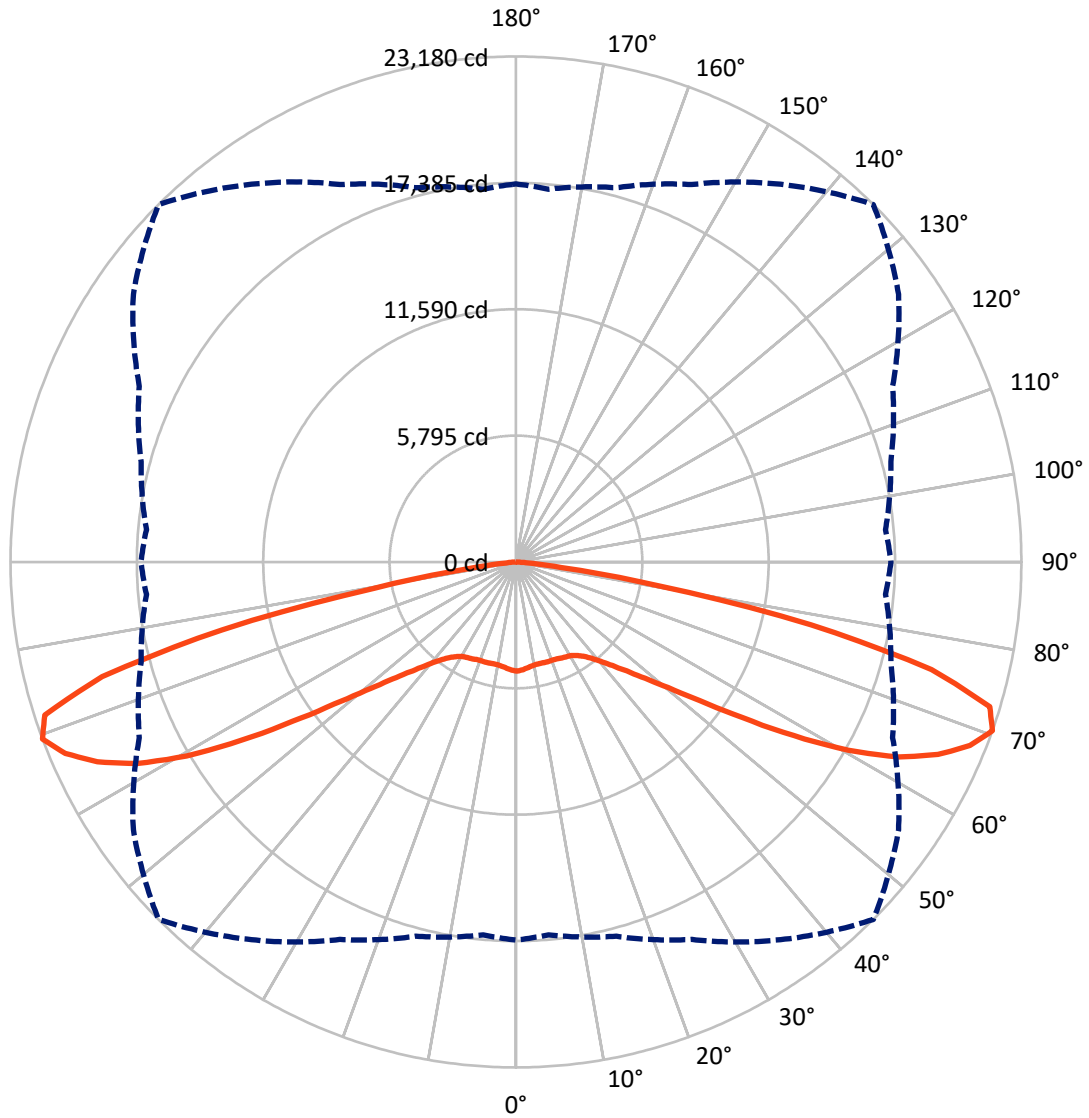
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	27443.5	0.0	27443.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27443.5	0.0	27443.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54887.0	0.0	54887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.8	0.8
10°-20°	1367.6	2.5
20°-30°	2275.8	4.1
30°-40°	3441.7	6.3
40°-50°	5719.3	10.4
50°-60°	10792.1	19.7
60°-70°	18223.0	33.2
70°-80°	11974.4	21.8
80°-90°	627.3	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°	54887.0	100.0
0°-180°	54887.0	100.0

Coefficient of Utilization



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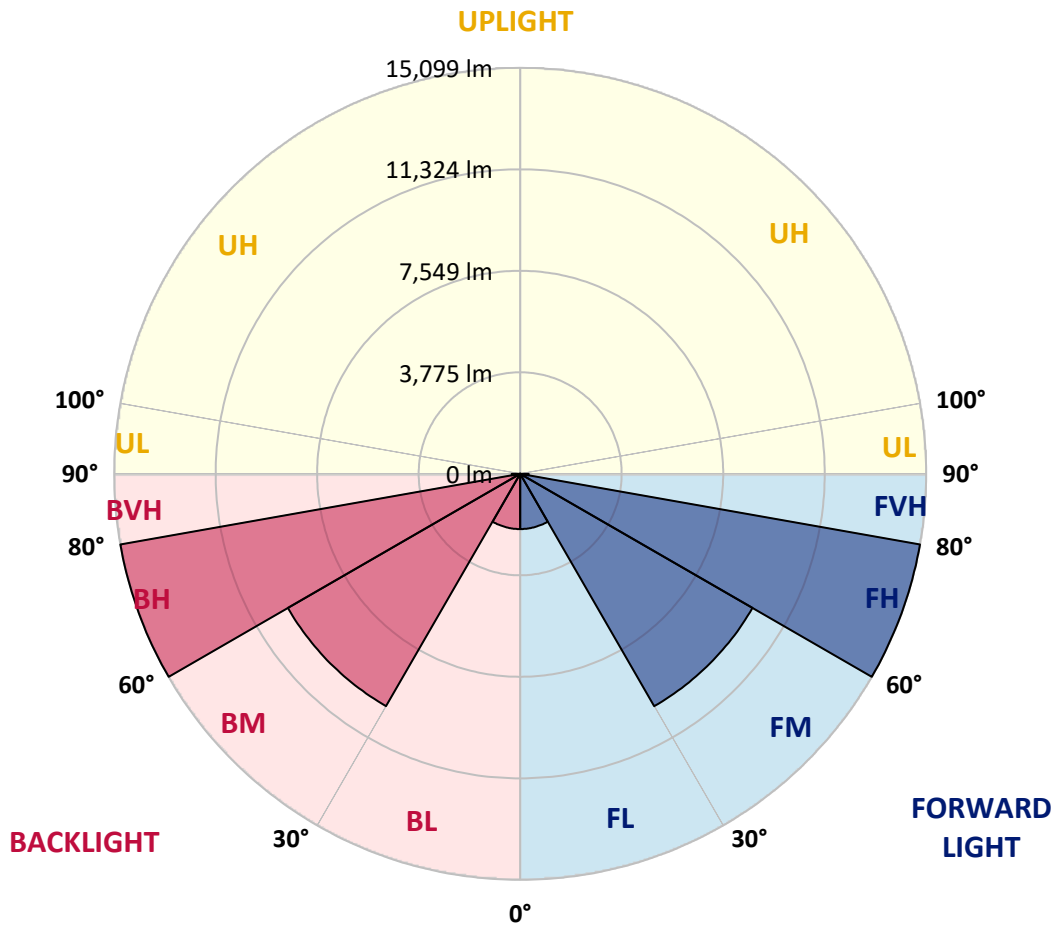
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2054.6	3.7			
FM (30°-60°)	9976.6	18.2			
FH (60°-80°)	15098.7	27.5			G5
FVH (80°-90°)	313.7	0.6			G3/500
BL (0°-30°)	2054.6	3.7	B3/2500		
BM (30°-60°)	9976.6	18.2	B5		
BH (60°-80°)	15098.7	27.5	B5		G5
BVH (80°-90°)	313.7	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°	5006.8	5006.8	5006.8	5006.8	5006.8	5006.8	5006.8	5006.8	5006.8	5006.8
2.5°	4975.4	4989.7	4984.0	4972.6	4972.6	4964.0	4972.6	4978.3	4986.8	4992.5
5°	4909.8	4921.2	4918.4	4909.8	4912.7	4904.1	4909.8	4918.4	4924.1	4926.9
7.5°	4852.7	4864.2	4858.4	4844.2	4844.2	4835.6	4838.5	4847.0	4855.6	4858.4
10°	4838.5	4849.9	4832.8	4810.0	4801.4	4790.0	4792.8	4801.4	4818.5	4827.1
12.5°	4844.2	4852.7	4835.6	4801.4	4792.8	4781.4	4781.4	4790.0	4812.8	4824.2
15°	4861.3	4869.9	4844.2	4807.1	4798.5	4790.0	4787.1	4798.5	4824.2	4844.2
17.5°	4892.7	4901.2	4861.3	4810.0	4798.5	4801.4	4798.5	4807.1	4847.0	4884.1
20°	4921.2	4926.9	4872.7	4810.0	4798.5	4801.4	4798.5	4815.7	4867.0	4918.4
22.5°	4929.8	4935.5	4884.1	4829.9	4821.4	4824.2	4821.4	4838.5	4887.0	4938.3
25°	4932.6	4941.2	4901.2	4858.4	4872.7	4878.4	4872.7	4875.6	4912.7	4958.3
27.5°	4975.4	4986.8	4949.7	4912.7	4921.2	4918.4	4926.9	4935.5	4964.0	5009.7
30°	5063.9	5072.4	5041.0	5003.9	4998.2	4978.3	5003.9	5032.5	5063.9	5103.8
32.5°	5209.4	5226.5	5186.5	5146.6	5120.9	5109.5	5129.5	5178.0	5220.8	5263.6
35°	5451.8	5463.3	5426.2	5352.0	5306.4	5306.4	5323.5	5386.2	5454.7	5508.9
37.5°	5794.2	5808.5	5742.8	5654.4	5585.9	5585.9	5608.8	5674.4	5777.1	5854.1
40°	6210.7	6230.7	6148.0	6056.7	5991.0	5979.6	6008.2	6082.3	6179.3	6276.3
42.5°	6712.8	6735.6	6627.2	6547.4	6496.0	6496.0	6510.3	6578.7	6667.2	6787.0
45°	7354.7	7394.7	7246.3	7166.4	7117.9	7129.3	7137.9	7197.8	7277.7	7414.6
47.5°	8119.3	8159.2	8002.3	7919.6	7911.0	7965.2	7931.0	7973.8	8016.6	8173.5
50°	8986.6	9055.0	8946.6	8940.9	8958.0	9057.9	8978.0	9000.8	8952.3	9052.2
52.5°	10047.8	10147.7	10127.7	10161.9	10353.1	10558.5	10375.9	10296.0	10113.4	10144.8
55°	11334.5	11485.7	11514.2	11719.6	12153.3	12572.6	12184.6	11862.3	11474.3	11403.0
57.5°	12798.0	12917.8	13054.8	13474.1	14284.4	15029.0	14284.4	13571.1	12960.6	12815.1
60°	14372.8	14521.1	14652.4	15271.5	16475.4	17522.4	16452.5	15320.0	14512.6	14315.7
62.5°	16064.6	16255.7	16347.0	17034.5	18438.1	19687.7	18458.1	17085.9	16190.1	15979.0
65°	17687.8	17844.7	17947.5	18680.6	20021.5	21273.9	20112.8	18760.5	17839.0	17562.3
67.5°	18443.9	18529.4	18780.5	19610.7	21025.7	22455.0	21265.3	19699.1	18669.2	18184.2
70°	17336.9	17162.9	17767.7	19097.2	21145.5	23179.6	21419.4	19057.2	17796.2	17008.9
72.5°	13397.1	13097.6	14147.4	16421.2	19776.1	22717.5	19913.1	16549.5	14800.7	13203.1
75°	7289.1	6949.6	8398.9	11274.6	15770.7	19690.6	16133.0	11596.9	9351.7	7234.9
77.5°	2056.9	1928.5	3098.2	5454.7	9485.8	13825.0	9851.0	5574.5	3674.5	2179.6
80°	630.5	610.5	827.3	1643.3	4028.3	6621.5	3871.4	1663.2	1052.7	664.7
82.5°	373.7	342.3	410.8	599.1	1027.0	2079.7	998.5	624.8	502.1	336.6
85°	214.0	199.7	242.5	291.0	345.2	442.2	288.1	296.7	268.2	179.7
87.5°	88.4	79.9	94.1	91.3	79.9	102.7	77.0	91.3	108.4	71.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5006.8
4989.7
4926.9
4858.4
4827.1
4827.1
4847.0
4884.1
4921.2
4938.3
4955.4
4998.2
5095.2
5246.4
5488.9
5825.6
6244.9
6778.4
7408.9
8127.8
8992.3
10039.3
11291.7
12712.4
14144.6
15807.8
17425.4
18189.9
17197.1
13599.7
7705.6
2422.1
701.8
365.2
188.3
65.6
0.0

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