

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: P944650

Luminaire Tested: **GALN-SB9C-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944650  
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-SB9C-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

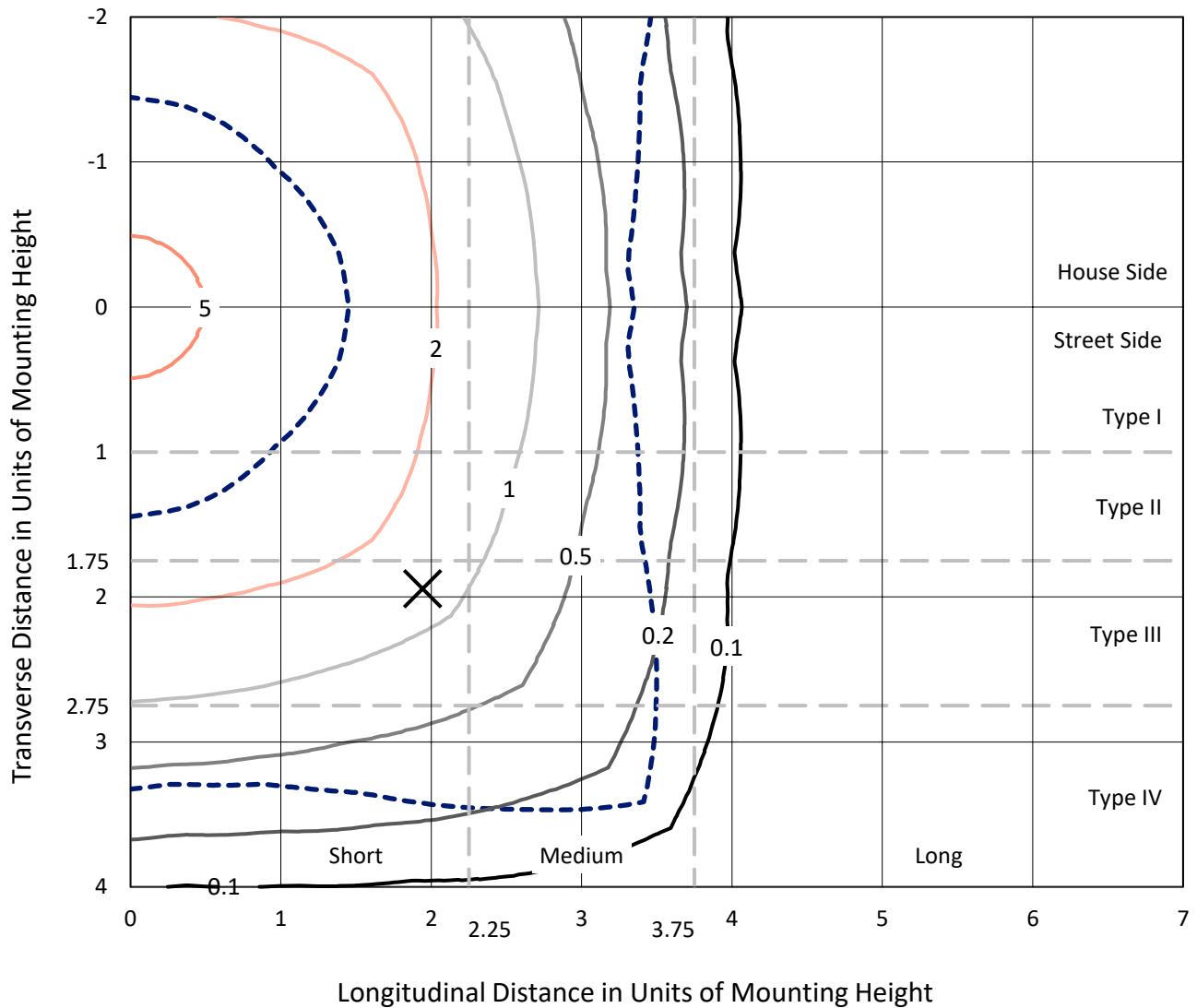
Lumens per Lamp: N/A  
Luminaire Lumens: 47999 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

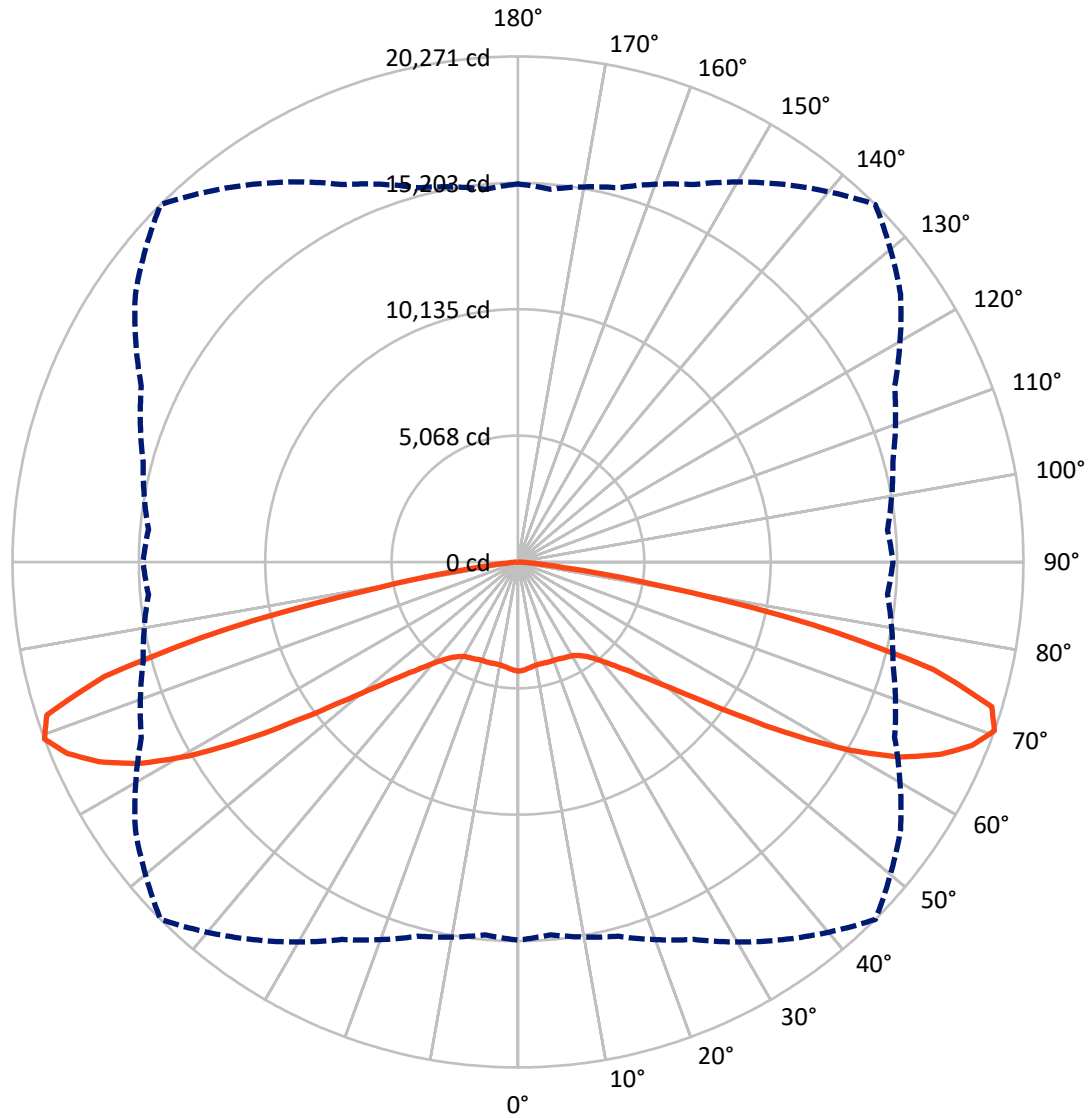
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	23999.5	0.0	23999.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23999.5	0.0	23999.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47999.0	0.0	47999.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.3	0.8
10°-20°	1195.9	2.5
20°-30°	1990.2	4.1
30°-40°	3009.8	6.3
40°-50°	5001.6	10.4
50°-60°	9437.8	19.7
60°-70°	15936.1	33.2
70°-80°	10471.7	21.8
80°-90°	548.6	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°	47999.0	100.0
0°-180°	47999.0	100.0

**Coefficient of Utilization**



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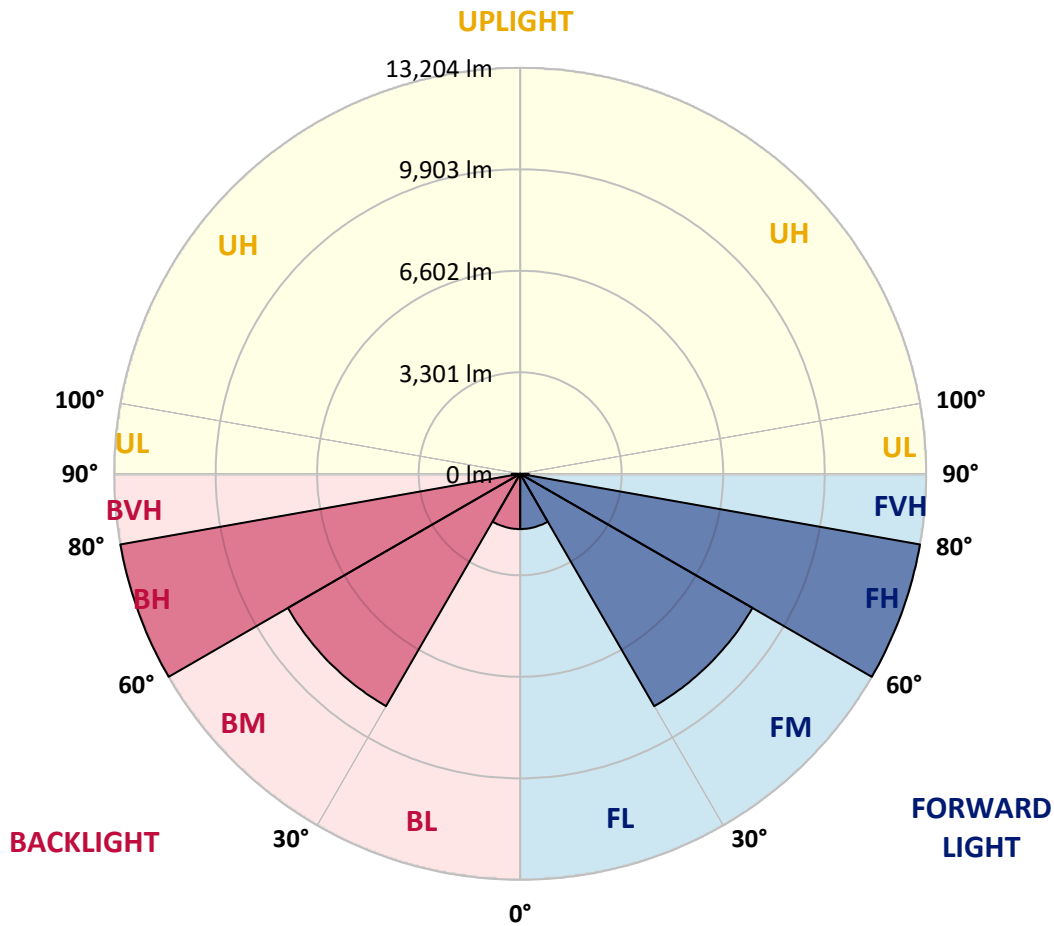
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1796.7	3.7			
FM (30°-60°)	8724.6	18.2			
FH (60°-80°)	13203.9	27.5			G5
FVH (80°-90°)	274.3	0.6			G3/500
BL (0°-30°)	1796.7	3.7	B3/2500		
BM (30°-60°)	8724.6	18.2	B5		
BH (60°-80°)	13203.9	27.5	B5		G5
BVH (80°-90°)	274.3	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°	4378.5	4378.5	4378.5	4378.5	4378.5	4378.5	4378.5	4378.5	4378.5	4378.5
2.5°	4351.0	4363.5	4358.5	4348.5	4348.5	4341.1	4348.5	4353.5	4361.0	4366.0
5°	4293.7	4303.6	4301.1	4293.7	4296.1	4288.7	4293.7	4301.1	4306.1	4308.6
7.5°	4243.8	4253.7	4248.7	4236.3	4236.3	4228.8	4231.3	4238.8	4246.2	4248.7
10°	4231.3	4241.3	4226.3	4206.3	4198.8	4188.9	4191.4	4198.8	4213.8	4221.3
12.5°	4236.3	4243.8	4228.8	4198.8	4191.4	4181.4	4181.4	4188.9	4208.8	4218.8
15°	4251.2	4258.7	4236.3	4203.8	4196.4	4188.9	4186.4	4196.4	4218.8	4236.3
17.5°	4278.7	4286.2	4251.2	4206.3	4196.4	4198.8	4196.4	4203.8	4238.8	4271.2
20°	4303.6	4308.6	4261.2	4206.3	4196.4	4198.8	4196.4	4211.3	4256.2	4301.1
22.5°	4311.1	4316.1	4271.2	4223.8	4216.3	4218.8	4216.3	4231.3	4273.7	4318.6
25°	4313.6	4321.1	4286.2	4248.7	4261.2	4266.2	4261.2	4263.7	4296.1	4336.1
27.5°	4351.0	4361.0	4328.6	4296.1	4303.6	4301.1	4308.6	4316.1	4341.1	4381.0
30°	4428.4	4435.9	4408.4	4376.0	4371.0	4353.5	4376.0	4400.9	4428.4	4463.3
32.5°	4555.6	4570.6	4535.7	4500.7	4478.3	4468.3	4485.8	4528.2	4565.6	4603.0
35°	4767.7	4777.7	4745.2	4680.4	4640.4	4640.4	4655.4	4710.3	4770.2	4817.6
37.5°	5067.1	5079.5	5022.1	4944.8	4884.9	4884.9	4904.9	4962.3	5052.1	5119.4
40°	5431.3	5448.8	5376.4	5296.6	5239.2	5229.2	5254.2	5319.0	5403.9	5488.7
42.5°	5870.4	5890.4	5795.6	5725.7	5680.8	5680.8	5693.3	5753.1	5830.5	5935.3
45°	6431.7	6466.7	6336.9	6267.1	6224.7	6234.6	6242.1	6294.5	6364.4	6484.1
47.5°	7100.4	7135.3	6998.1	6925.7	6918.2	6965.6	6935.7	6973.1	7010.6	7147.8
50°	7858.8	7918.7	7823.9	7818.9	7833.9	7921.2	7851.3	7871.3	7828.9	7916.2
52.5°	8786.9	8874.2	8856.7	8886.7	9053.8	9233.5	9073.8	9003.9	8844.3	8871.7
55°	9912.1	10044.3	10069.2	10248.9	10628.1	10994.8	10655.5	10373.6	10034.3	9971.9
57.5°	11191.9	11296.7	11416.5	11783.2	12491.8	13142.9	12491.8	11868.0	11334.1	11206.9
60°	12569.1	12698.8	12813.6	13355.0	14407.8	15323.4	14387.8	13397.4	12691.3	12519.2
62.5°	14048.5	14215.7	14295.5	14896.8	16124.3	17217.0	16141.7	14941.7	14158.3	13973.7
65°	15468.1	15605.3	15695.1	16336.3	17508.9	18604.2	17588.7	16406.2	15600.3	15358.3
67.5°	16129.3	16204.1	16423.6	17149.7	18387.1	19637.0	18596.7	17227.0	16326.3	15902.2
70°	15161.3	15009.1	15538.0	16700.6	18491.9	20270.7	18731.4	16665.6	15562.9	14874.3
72.5°	11715.9	11453.9	12372.0	14360.4	17294.4	19866.6	17414.1	14472.7	12943.3	11546.2
75°	6374.4	6077.5	7344.9	9859.7	13791.6	17219.5	14108.4	10141.6	8178.1	6327.0
77.5°	1798.8	1686.5	2709.4	4770.2	8295.4	12090.1	8614.7	4875.0	3213.4	1906.1
80°	551.4	533.9	723.5	1437.0	3522.7	5790.6	3385.5	1454.5	920.6	581.3
82.5°	326.8	299.4	359.3	523.9	898.1	1818.8	873.2	546.4	439.1	294.4
85°	187.1	174.6	212.1	254.5	301.9	386.7	252.0	259.5	234.5	157.2
87.5°	77.3	69.9	82.3	79.8	69.9	89.8	67.4	79.8	94.8	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4378.5
4363.5
4308.6
4248.7
4221.3
4221.3
4238.8
4271.2
4303.6
4318.6
4333.6
4371.0
4455.8
4588.0
4800.1
5094.5
5461.2
5927.8
6479.1
7107.8
7863.8
8779.4
9874.6
11117.1
12369.5
13824.0
15238.6
15907.2
15039.0
11893.0
6738.6
2118.1
613.7
319.3
164.7
57.4
0.0

OF REPORT)