

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: P944640

Luminaire Tested: **GALN-SB9C-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944640
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49999 lumens
Efficiency: N/A
Efficacy: 111.2 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

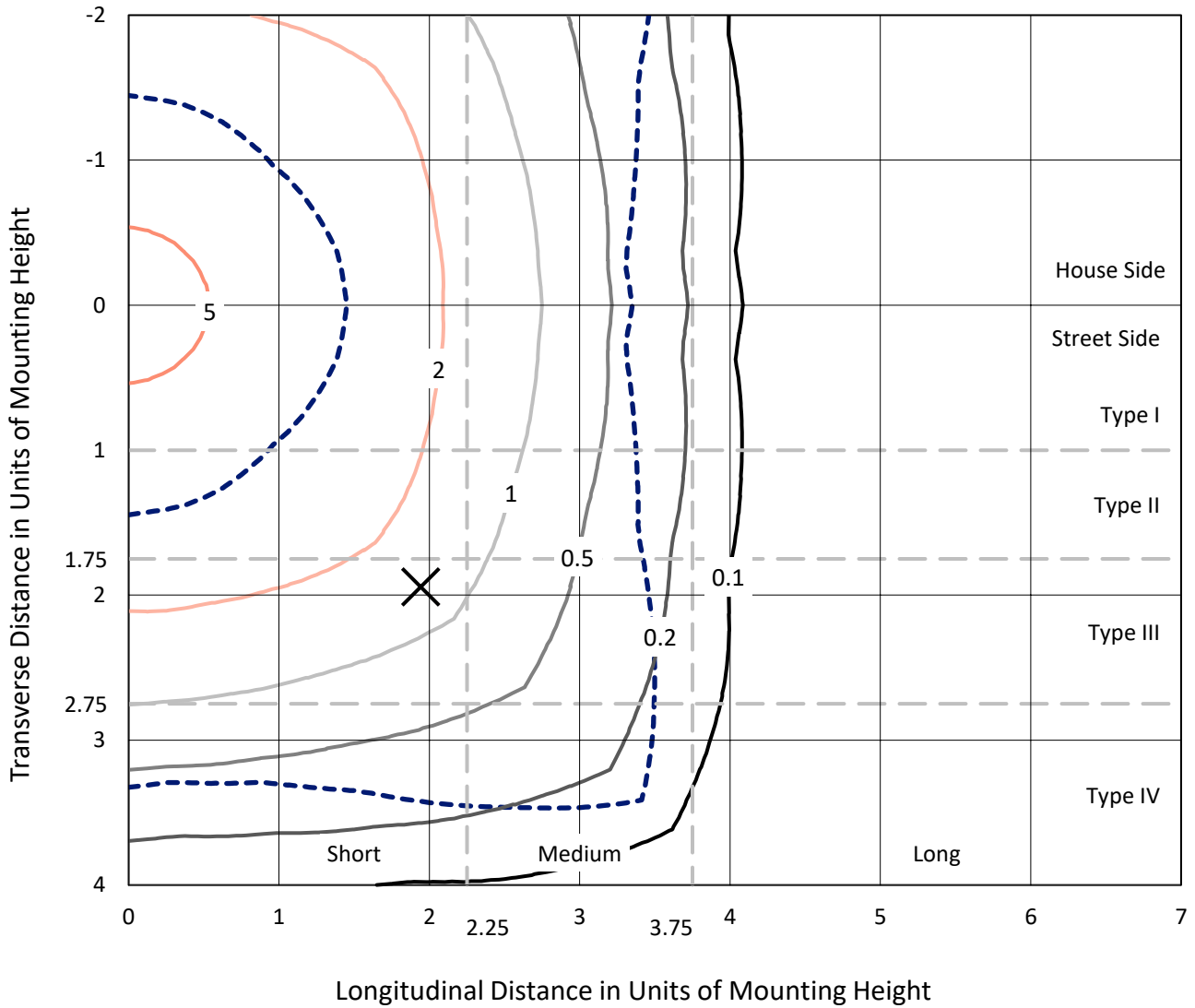
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

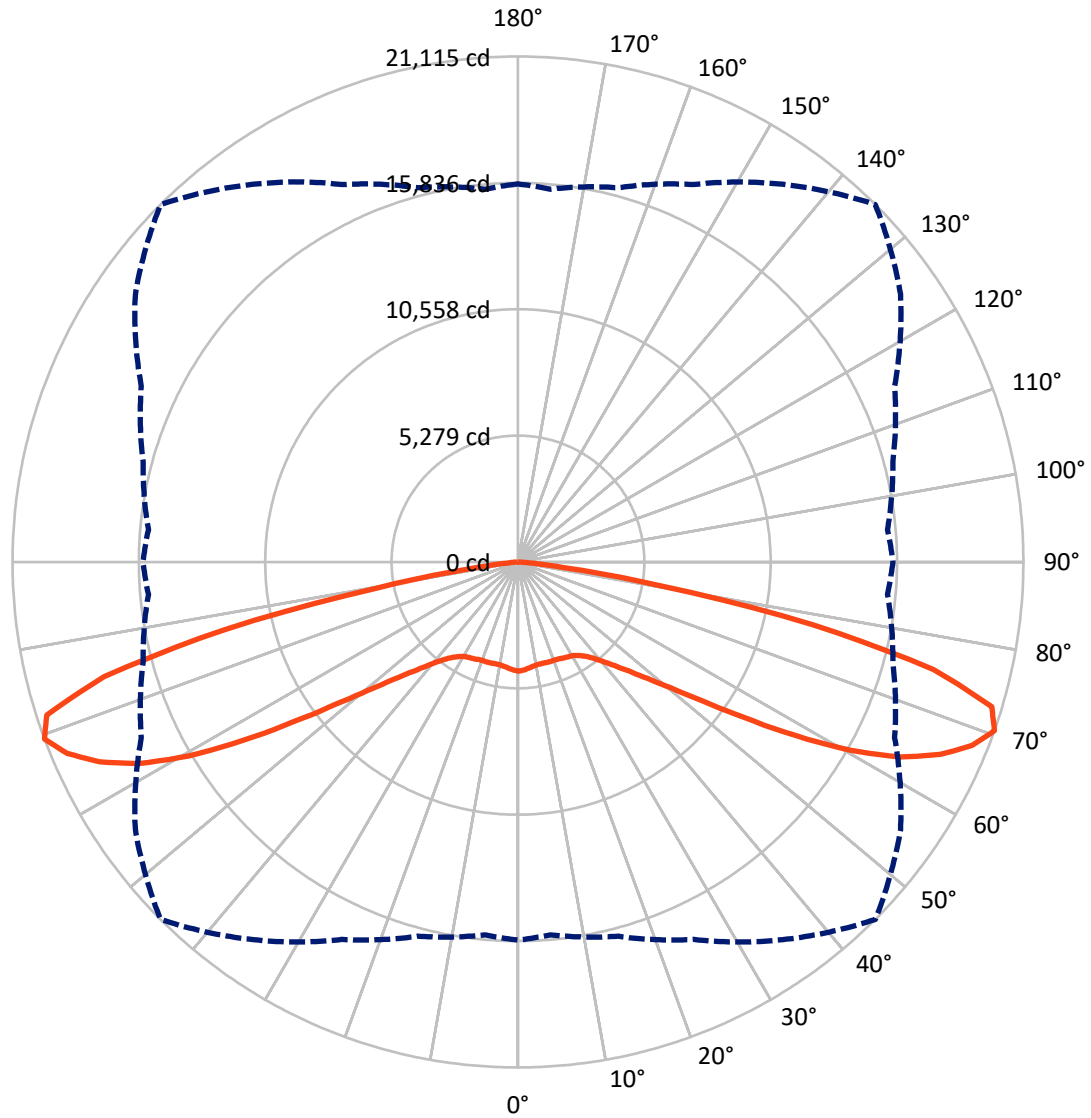
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	24999.5	0.0	24999.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24999.5	0.0	24999.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49999.0	0.0	49999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.3	0.8
10°-20°	1245.8	2.5
20°-30°	2073.1	4.1
30°-40°	3135.2	6.3
40°-50°	5210.0	10.4
50°-60°	9831.1	19.7
60°-70°	16600.1	33.2
70°-80°	10908.0	21.8
80°-90°	571.5	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°	49999.0	100.0
0°-180°	49999.0	100.0

Coefficient of Utilization



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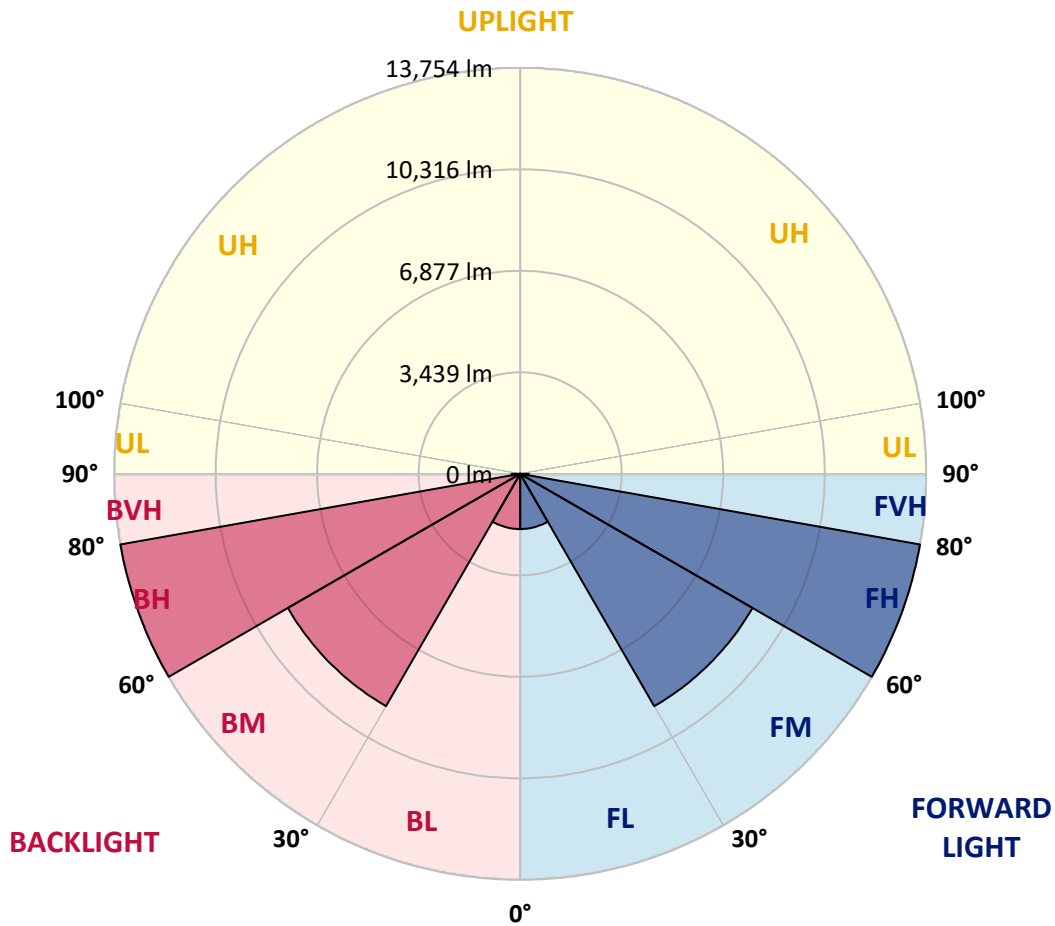
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1871.6	3.7			
FM (30°-60°)	9088.1	18.2			
FH (60°-80°)	13754.1	27.5			G5
FVH (80°-90°)	285.7	0.6			G3/500
BL (0°-30°)	1871.6	3.7	B3/2500		
BM (30°-60°)	9088.1	18.2	B5		
BH (60°-80°)	13754.1	27.5	B5		G5
BVH (80°-90°)	285.7	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°	4560.9	4560.9	4560.9	4560.9	4560.9	4560.9	4560.9	4560.9	4560.9	4560.9
2.5°	4532.3	4545.3	4540.1	4529.7	4529.7	4521.9	4529.7	4534.9	4542.7	4547.9
5°	4472.6	4483.0	4480.4	4472.6	4475.2	4467.4	4472.6	4480.4	4485.5	4488.1
7.5°	4420.6	4431.0	4425.8	4412.8	4412.8	4405.0	4407.6	4415.4	4423.2	4425.8
10°	4407.6	4418.0	4402.4	4381.6	4373.8	4363.4	4366.0	4373.8	4389.4	4397.2
12.5°	4412.8	4420.6	4405.0	4373.8	4366.0	4355.6	4355.6	4363.4	4384.2	4394.6
15°	4428.4	4436.2	4412.8	4379.0	4371.2	4363.4	4360.8	4371.2	4394.6	4412.8
17.5°	4457.0	4464.8	4428.4	4381.6	4371.2	4373.8	4371.2	4379.0	4415.4	4449.2
20°	4483.0	4488.1	4438.8	4381.6	4371.2	4373.8	4371.2	4386.8	4433.6	4480.4
22.5°	4490.7	4495.9	4449.2	4399.8	4392.0	4394.6	4392.0	4407.6	4451.8	4498.5
25°	4493.3	4501.1	4464.8	4425.8	4438.8	4444.0	4438.8	4441.4	4475.2	4516.7
27.5°	4532.3	4542.7	4508.9	4475.2	4483.0	4480.4	4488.1	4495.9	4521.9	4563.5
30°	4612.9	4620.7	4592.1	4558.3	4553.1	4534.9	4558.3	4584.3	4612.9	4649.3
32.5°	4745.4	4761.0	4724.6	4688.3	4664.9	4654.5	4672.7	4716.8	4755.8	4794.8
35°	4966.3	4976.7	4942.9	4875.4	4833.8	4833.8	4849.4	4906.6	4968.9	5018.3
37.5°	5278.2	5291.2	5231.4	5150.8	5088.5	5088.5	5109.3	5169.0	5262.6	5332.8
40°	5657.6	5675.8	5600.4	5517.3	5457.5	5447.1	5473.1	5540.7	5629.0	5717.4
42.5°	6115.0	6135.8	6037.0	5964.3	5917.5	5917.5	5930.5	5992.9	6073.4	6182.6
45°	6699.7	6736.1	6601.0	6528.2	6484.0	6494.4	6502.2	6556.8	6629.6	6754.3
47.5°	7396.2	7432.6	7289.7	7214.3	7206.5	7255.9	7224.7	7263.7	7302.7	7445.6
50°	8186.3	8248.6	8149.9	8144.7	8160.3	8251.2	8178.5	8199.3	8155.1	8246.0
52.5°	9153.0	9244.0	9225.8	9257.0	9431.1	9618.2	9451.9	9379.1	9212.8	9241.4
55°	10325.1	10462.8	10488.8	10675.9	11070.9	11453.0	11099.5	10805.9	10452.4	10387.5
57.5°	11658.3	11767.4	11892.2	12274.2	13012.3	13690.5	13012.3	12362.5	11806.4	11673.9
60°	13092.8	13228.0	13347.5	13911.4	15008.1	15961.9	14987.4	13955.6	13220.2	13040.8
62.5°	14633.9	14808.0	14891.2	15517.5	16796.1	17934.4	16814.3	15564.3	14748.3	14555.9
65°	16112.6	16255.6	16349.1	17017.0	18238.5	19379.3	18321.6	17089.8	16250.4	15998.3
67.5°	16801.3	16879.3	17108.0	17864.2	19153.2	20455.3	19371.5	17944.8	17006.6	16564.8
70°	15793.0	15634.5	16185.4	17396.4	19262.4	21115.3	19511.9	17360.1	16211.4	15494.1
72.5°	12204.0	11931.1	12887.5	14958.8	18015.0	20694.3	18139.7	15075.7	13482.6	12027.3
75°	6640.0	6330.7	7650.9	10270.5	14366.2	17937.0	14696.3	10564.2	8518.9	6590.6
77.5°	1873.7	1756.8	2822.3	4968.9	8641.1	12593.8	8973.7	5078.1	3347.3	1985.5
80°	574.3	556.1	753.7	1496.9	3669.5	6031.8	3526.6	1515.1	959.0	605.5
82.5°	340.4	311.9	374.2	545.8	935.6	1894.5	909.6	569.1	457.4	306.7
85°	194.9	181.9	220.9	265.1	314.5	402.8	262.5	270.3	244.3	163.7
87.5°	80.6	72.8	85.8	83.2	72.8	93.6	70.2	83.2	98.8	65.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
4560.9
4545.3
4488.1
4425.8
4397.2
4397.2
4415.4
4449.2
4483.0
4498.5
4514.1
4553.1
4641.5
4779.2
5000.1
5306.8
5688.8
6174.8
6749.1
7404.0
8191.5
9145.2
10286.1
11580.3
12884.9
14400.0
15873.5
16570.0
15665.6
12388.5
7019.4
2206.4
639.3
332.6
171.5
59.8
0.0

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