

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: P944570

Luminaire Tested: **GALN-SB9C-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944570
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61999 lumens
Efficiency: N/A
Efficacy: 137.8 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

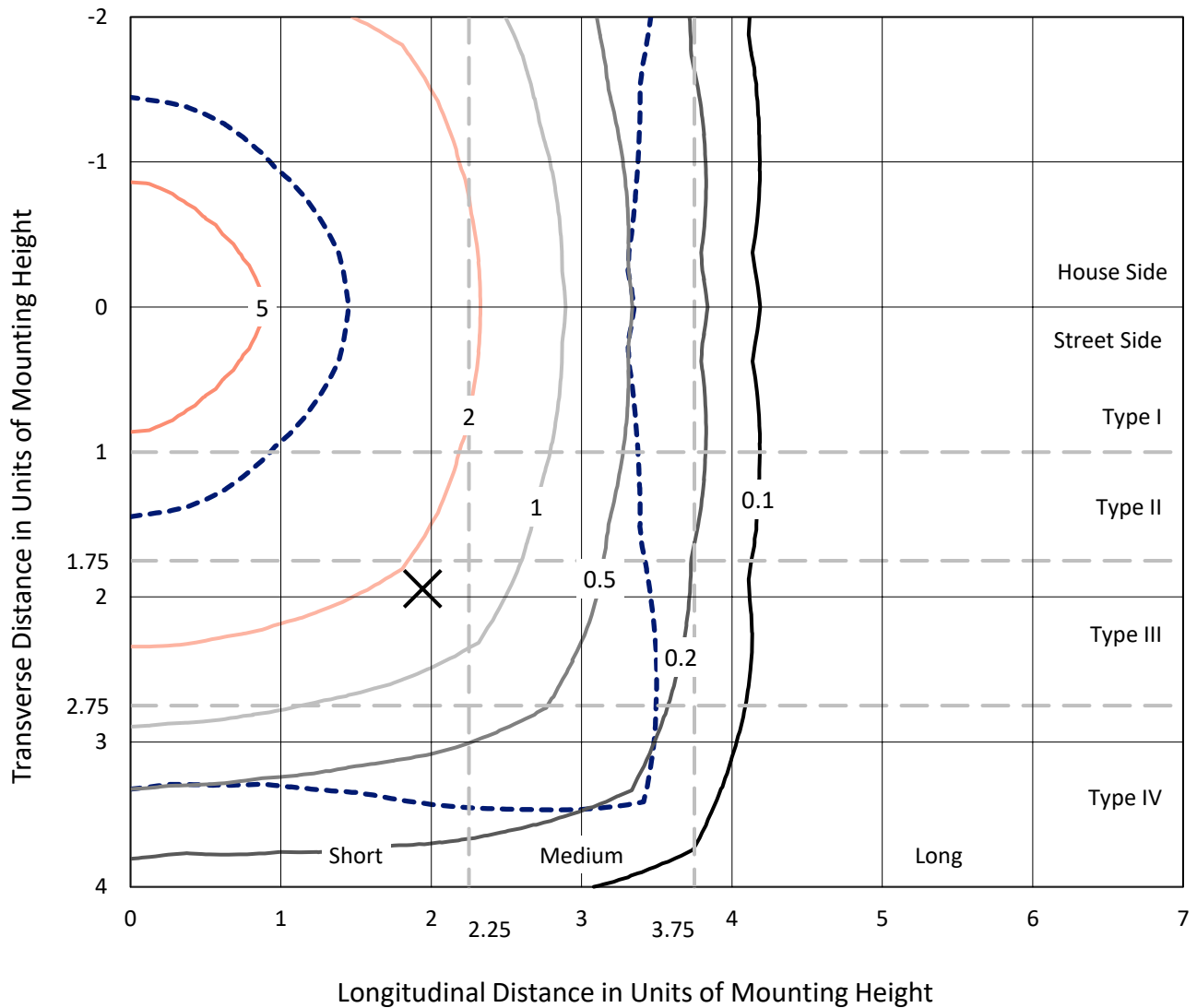
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

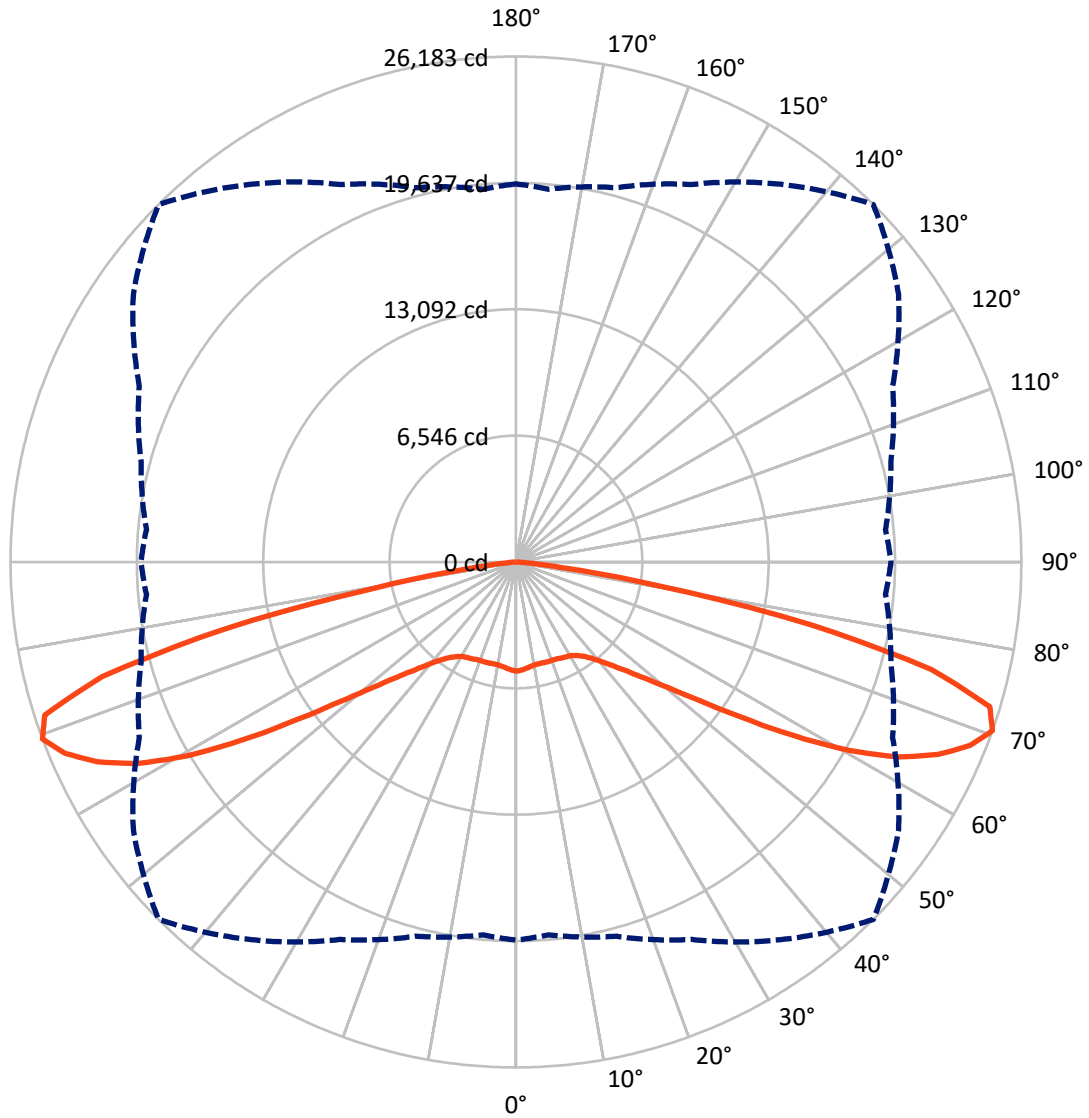
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	30999.5	0.0	30999.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30999.5	0.0	30999.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	61999.0	0.0	61999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.1	0.8
10°-20°	1544.8	2.5
20°-30°	2570.7	4.1
30°-40°	3887.7	6.3
40°-50°	6460.4	10.4
50°-60°	12190.5	19.7
60°-70°	20584.2	33.2
70°-80°	13526.0	21.8
80°-90°	708.6	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°	61999.0	100.0
0°-180°	61999.0	100.0

Coefficient of Utilization



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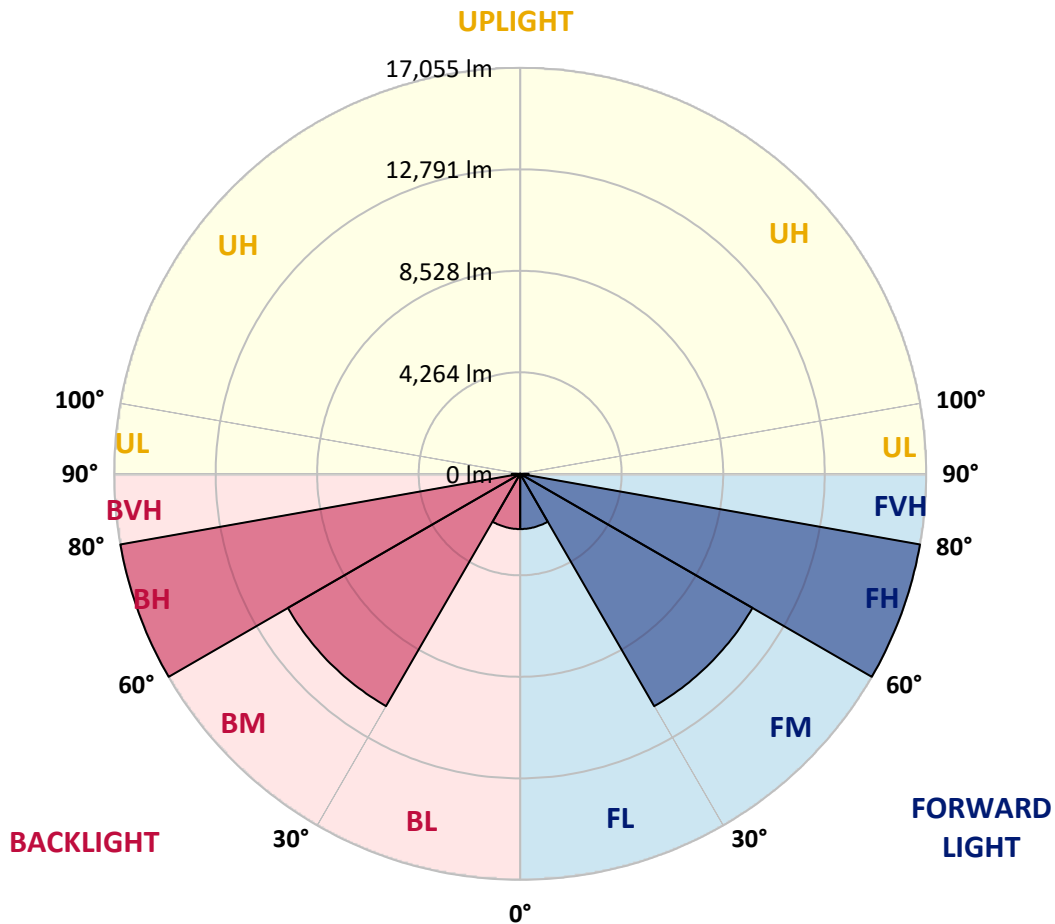
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2320.8	3.7			
FM (30°-60°)	11269.3	18.2			
FH (60°-80°)	17055.1	27.5			G5
FVH (80°-90°)	354.3	0.6			G3/500
BL (0°-30°)	2320.8	3.7	B3/2500		
BM (30°-60°)	11269.3	18.2	B5		
BH (60°-80°)	17055.1	27.5	B5		G5
BVH (80°-90°)	354.3	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°	5655.6	5655.6	5655.6	5655.6	5655.6	5655.6	5655.6	5655.6	5655.6	5655.6
2.5°	5620.1	5636.2	5629.8	5616.9	5616.9	5607.2	5616.9	5623.3	5633.0	5639.4
5°	5546.0	5558.9	5555.7	5546.0	5549.2	5539.5	5546.0	5555.7	5562.1	5565.3
7.5°	5481.5	5494.4	5488.0	5471.9	5471.9	5462.2	5465.4	5475.1	5484.8	5488.0
10°	5465.4	5478.3	5459.0	5433.2	5423.5	5410.6	5413.9	5423.5	5442.9	5452.5
12.5°	5471.9	5481.5	5462.2	5423.5	5413.9	5401.0	5401.0	5410.6	5436.4	5449.3
15°	5491.2	5500.9	5471.9	5430.0	5420.3	5410.6	5407.4	5420.3	5449.3	5471.9
17.5°	5526.7	5536.3	5491.2	5433.2	5420.3	5423.5	5420.3	5430.0	5475.1	5517.0
20°	5558.9	5565.3	5504.1	5433.2	5420.3	5423.5	5420.3	5439.6	5497.7	5555.7
22.5°	5568.5	5575.0	5517.0	5455.8	5446.1	5449.3	5446.1	5465.4	5520.2	5578.2
25°	5571.8	5581.4	5536.3	5488.0	5504.1	5510.5	5504.1	5507.3	5549.2	5600.8
27.5°	5620.1	5633.0	5591.1	5549.2	5558.9	5555.7	5565.3	5575.0	5607.2	5658.8
30°	5720.0	5729.7	5694.2	5652.3	5645.9	5623.3	5652.3	5684.6	5720.0	5765.1
32.5°	5884.4	5903.7	5858.6	5813.5	5784.5	5771.6	5794.1	5848.9	5897.2	5945.6
35°	6158.3	6171.2	6129.3	6045.5	5993.9	5993.9	6013.3	6084.2	6161.5	6222.7
37.5°	6545.0	6561.1	6487.0	6387.1	6309.7	6309.7	6335.5	6409.6	6525.6	6612.7
40°	7015.5	7038.0	6944.6	6841.5	6767.3	6754.4	6786.7	6870.5	6980.0	7089.6
42.5°	7582.6	7608.4	7486.0	7395.7	7337.7	7337.7	7353.8	7431.2	7531.1	7666.4
45°	8307.7	8352.8	8185.3	8095.0	8040.2	8053.1	8062.8	8130.5	8220.7	8375.4
47.5°	9171.3	9216.5	9039.2	8945.8	8936.1	8997.3	8958.7	9007.0	9055.3	9232.6
50°	10151.0	10228.3	10105.9	10099.4	10118.8	10231.6	10141.3	10167.1	10112.3	10225.1
52.5°	11349.8	11462.6	11440.0	11478.7	11694.6	11926.6	11720.4	11630.1	11423.9	11459.4
55°	12803.1	12973.9	13006.2	13238.2	13728.0	14201.7	13763.5	13399.3	12961.1	12880.5
57.5°	14456.3	14591.7	14746.3	15220.1	16135.3	16976.3	16135.3	15329.6	14640.0	14475.6
60°	16235.2	16402.7	16551.0	17250.3	18610.2	19792.8	18584.4	17305.0	16393.1	16170.7
62.5°	18146.1	18362.0	18465.2	19241.8	20827.3	22238.7	20849.8	19299.8	18287.9	18049.4
65°	19979.7	20157.0	20273.0	21101.2	22615.8	24030.5	22718.9	21191.4	20150.5	19838.0
67.5°	20833.7	20930.4	21214.0	22151.7	23750.1	25364.6	24020.8	22251.6	21088.3	20540.5
70°	19583.4	19386.8	20070.0	21571.7	23885.5	26183.1	24194.8	21526.6	20102.2	19212.8
72.5°	15133.0	14794.7	15980.6	18548.9	22338.6	25661.1	22493.3	18694.0	16718.5	14913.9
75°	8233.6	7850.1	9487.2	12735.5	17814.2	22242.0	18223.5	13099.6	10563.5	8172.4
77.5°	2323.5	2178.4	3499.7	6161.5	10714.9	15616.4	11127.4	6296.8	4150.6	2462.0
80°	712.2	689.6	934.5	1856.2	4550.2	7479.5	4373.0	1878.7	1189.1	750.9
82.5°	422.2	386.7	464.0	676.7	1160.1	2349.2	1127.9	705.7	567.2	380.3
85°	241.7	225.6	273.9	328.7	389.9	499.5	325.5	335.1	302.9	203.0
87.5°	99.9	90.2	106.3	103.1	90.2	116.0	87.0	103.1	122.5	80.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5655.6
5636.2
5565.3
5488.0
5452.5
5452.5
5475.1
5517.0
5558.9
5578.2
5597.6
5645.9
5755.5
5926.3
6200.2
6580.4
7054.1
7656.8
8368.9
9181.0
10157.4
11340.1
12754.8
14359.6
15977.4
17856.1
19683.3
20546.9
19425.5
15361.8
8704.1
2735.9
792.7
412.5
212.7
74.1
0.0

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