

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: P956779

Luminaire Tested: **GALN-SB9B-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48264 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

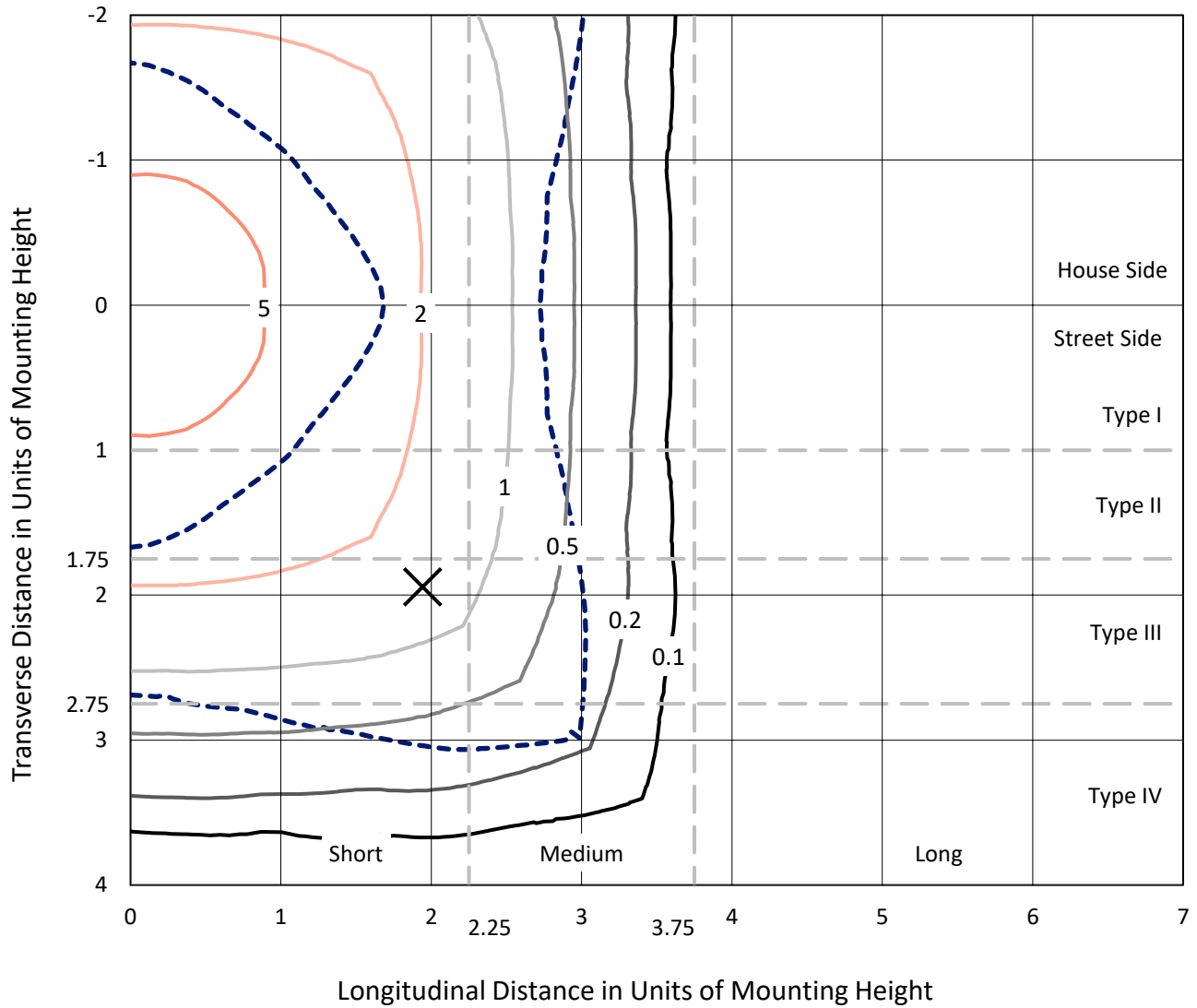
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

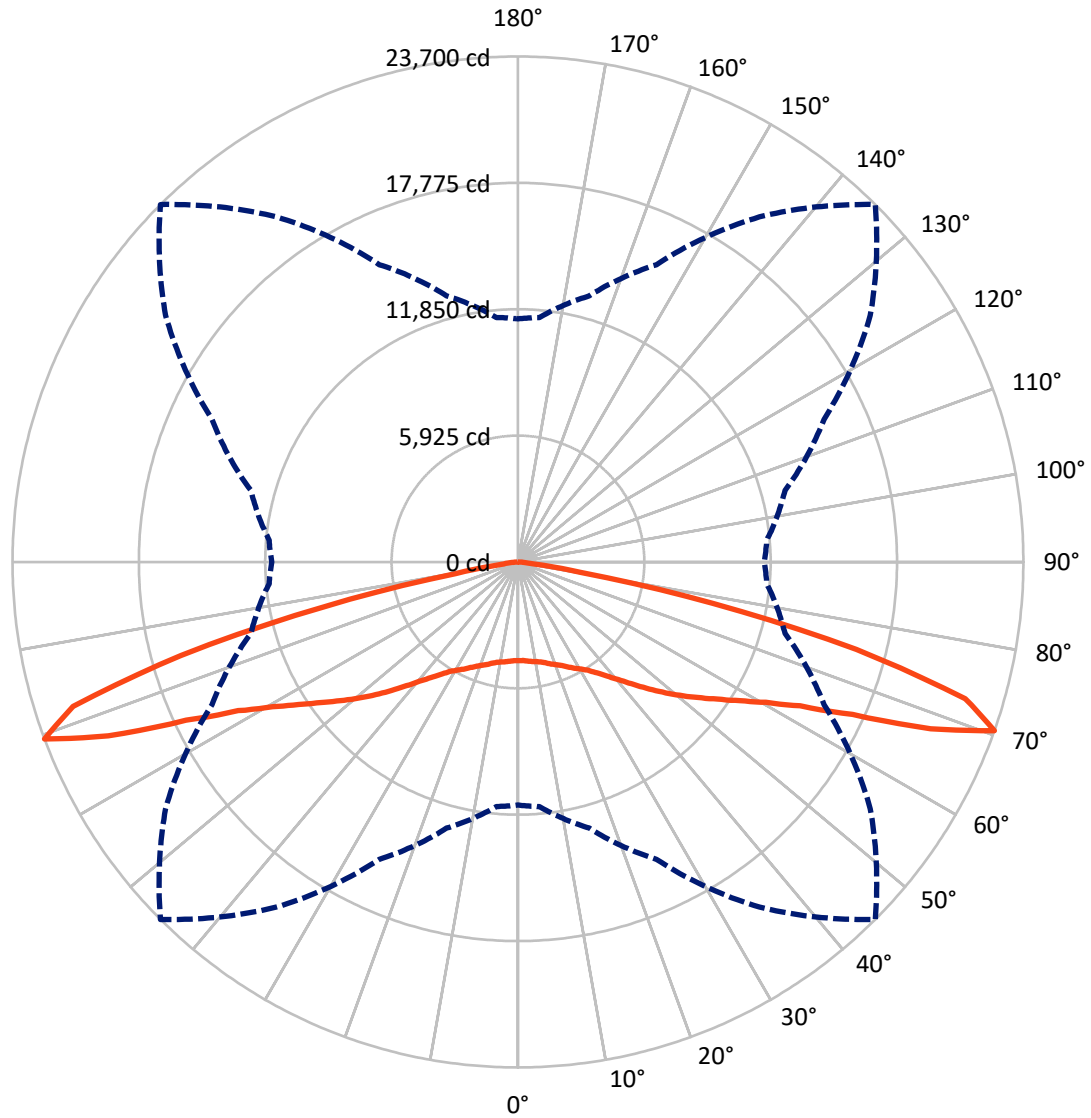
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	24132.0	0.0	24132.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24132.0	0.0	24132.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48264.0	0.0	48264.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.1	0.9
10°-20°	1392.7	2.9
20°-30°	2489.0	5.2
30°-40°	4034.6	8.4
40°-50°	6571.7	13.6
50°-60°	10019.7	20.8
60°-70°	14906.1	30.9
70°-80°	8124.3	16.8
80°-90°	276.7	0.6
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°	48264.0	100.0
0°-180°	48264.0	100.0

Coefficient of Utilization



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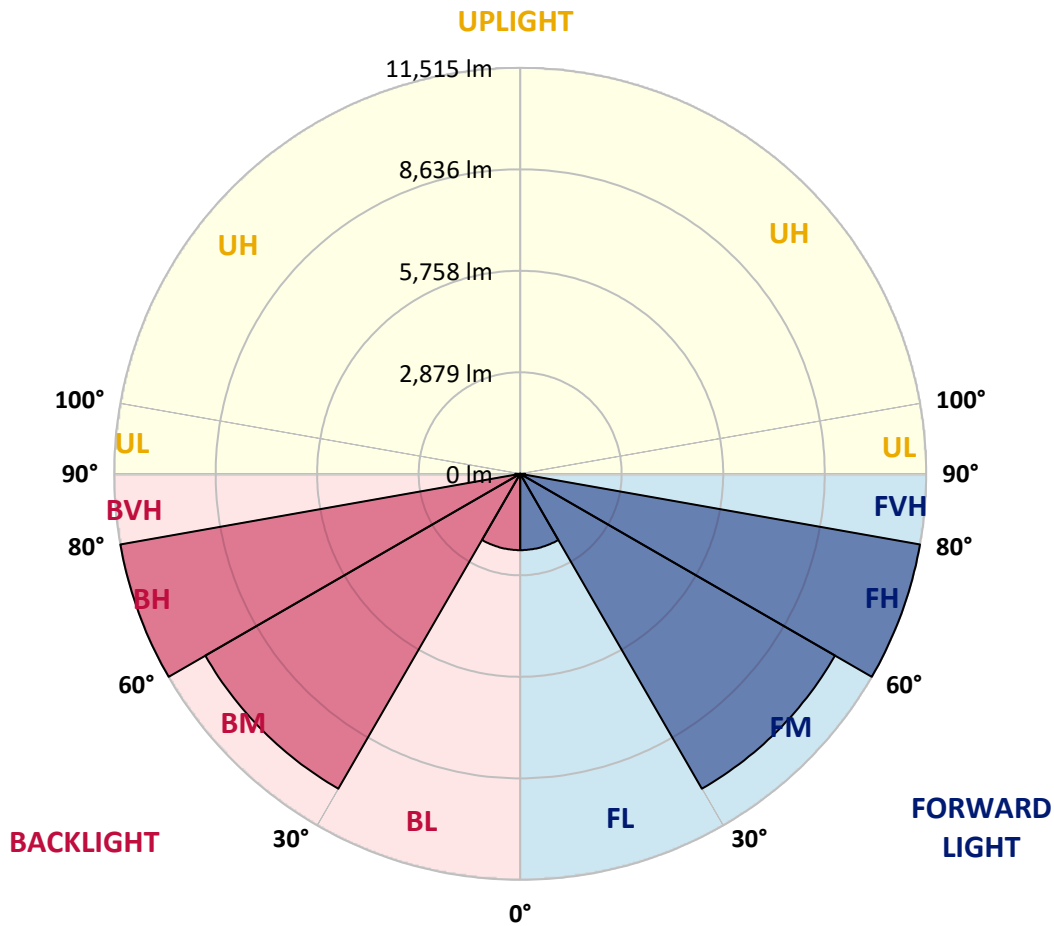
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.4	4.5			
FM (30°-60°)	10313.0	21.4			
FH (60°-80°)	11515.2	23.9			G4/12000
FVH (80°-90°)	138.3	0.3			G2/225
BL (0°-30°)	2165.4	4.5	B3/2500		
BM (30°-60°)	10313.0	21.4	B5		
BH (60°-80°)	11515.2	23.9	B5		G4/12000
BVH (80°-90°)	138.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4623.2	4623.2	4623.2	4623.2	4623.2	4623.2	4623.2	4623.2	4623.2	4623.2
2.5°	4645.0	4649.8	4640.2	4635.3	4630.5	4623.2	4625.6	4637.7	4647.4	4645.0
5°	4683.8	4688.6	4681.3	4678.9	4669.2	4666.8	4666.8	4678.9	4686.2	4681.3
7.5°	4727.4	4734.7	4722.5	4720.1	4715.3	4710.4	4708.0	4720.1	4727.4	4727.4
10°	4768.6	4775.8	4766.2	4758.9	4754.0	4754.0	4749.2	4758.9	4771.0	4768.6
12.5°	4812.2	4817.0	4807.3	4802.5	4802.5	4809.8	4802.5	4807.3	4817.0	4812.2
15°	4865.5	4867.9	4865.5	4872.8	4884.9	4909.1	4887.3	4882.5	4887.3	4875.2
17.5°	4938.2	4943.0	4952.7	4969.7	4986.7	5030.3	4991.5	4979.4	4979.4	4955.2
20°	5027.8	5035.1	5049.6	5078.7	5100.5	5141.7	5103.0	5086.0	5078.7	5047.2
22.5°	5122.3	5134.5	5156.3	5195.0	5233.8	5272.6	5233.8	5204.7	5182.9	5141.7
25°	5231.4	5245.9	5279.8	5342.8	5396.1	5451.9	5405.8	5347.7	5304.1	5245.9
27.5°	5386.5	5403.4	5444.6	5522.1	5590.0	5638.5	5594.8	5519.7	5459.1	5388.9
30°	5604.5	5621.5	5670.0	5752.3	5798.4	5829.9	5800.8	5742.6	5670.0	5590.0
32.5°	5885.6	5907.4	5960.7	6038.3	6047.9	6052.8	6043.1	6014.0	5960.7	5863.8
35°	6241.8	6266.0	6326.6	6389.6	6379.9	6389.6	6375.1	6365.4	6326.6	6215.1
37.5°	6677.9	6707.0	6770.0	6818.5	6794.3	6782.1	6784.6	6787.0	6765.2	6641.6
40°	7184.4	7223.1	7269.2	7320.1	7278.9	7242.5	7266.7	7286.1	7266.7	7140.7
42.5°	7705.3	7761.0	7809.5	7882.2	7848.3	7802.2	7836.2	7858.0	7816.8	7681.1
45°	8284.4	8337.7	8400.7	8509.8	8485.5	8437.1	8485.5	8490.4	8420.1	8260.2
47.5°	8882.9	8938.7	9033.2	9178.5	9168.8	9115.5	9178.5	9144.6	9055.0	8863.5
50°	9449.9	9527.5	9672.8	9876.4	9895.8	9830.3	9915.1	9849.7	9699.5	9459.6
52.5°	9983.0	10065.4	10295.6	10571.8	10642.1	10557.3	10671.1	10557.3	10331.9	10024.2
55°	10542.7	10634.8	10908.6	11269.6	11410.2	11347.2	11453.8	11281.8	10961.9	10588.8
57.5°	11201.8	11257.5	11584.6	12013.5	12251.0	12265.5	12314.0	12023.2	11635.5	11211.5
60°	11916.6	11994.1	12350.3	12864.0	13239.6	13360.7	13309.8	12878.5	12427.9	11940.8
62.5°	12832.5	12917.3	13343.8	13959.2	14552.9	14853.3	14654.6	14029.5	13472.2	12888.2
65°	13590.9	13685.4	14456.0	15553.6	16634.3	17237.6	16738.5	15587.5	14584.4	13760.5
67.5°	13040.9	13157.2	14366.3	16382.3	19069.5	20869.8	19161.5	16629.4	14664.3	13547.3
70°	11398.1	11507.1	12917.3	15381.6	19755.2	23699.9	20167.1	15834.7	12963.4	11713.1
72.5°	7567.2	7918.5	9345.7	12301.9	17639.9	21931.1	17814.3	12052.3	8669.7	7550.2
75°	2510.3	2791.4	3765.4	6377.5	11814.8	16401.7	11247.8	5643.3	2982.8	2146.8
77.5°	632.4	729.3	1005.6	1824.6	4712.8	9338.5	4242.8	1490.2	811.7	567.0
80°	307.7	339.2	484.6	608.2	1180.0	2968.2	1107.3	571.8	382.8	295.6
82.5°	169.6	172.0	273.8	344.1	438.6	768.1	455.5	334.4	220.5	179.3
85°	104.2	101.8	145.4	184.2	184.2	273.8	218.1	184.2	126.0	111.5
87.5°	41.2	41.2	53.3	58.2	50.9	70.3	55.7	60.6	48.5	46.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4623.2
4647.4
4683.8
4727.4
4768.6
4809.8
4875.2
4955.2
5047.2
5139.3
5243.5
5386.5
5590.0
5866.2
6215.1
6641.6
7140.7
7690.8
8277.2
8851.4
9454.8
9995.1
10537.9
11153.3
11863.3
12786.5
13624.8
13380.1
11545.9
7305.5
2030.5
506.4
271.4
179.3
116.3
48.5
0.0

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