

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: P955856

Luminaire Tested: **GALN-SB8C-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45984 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

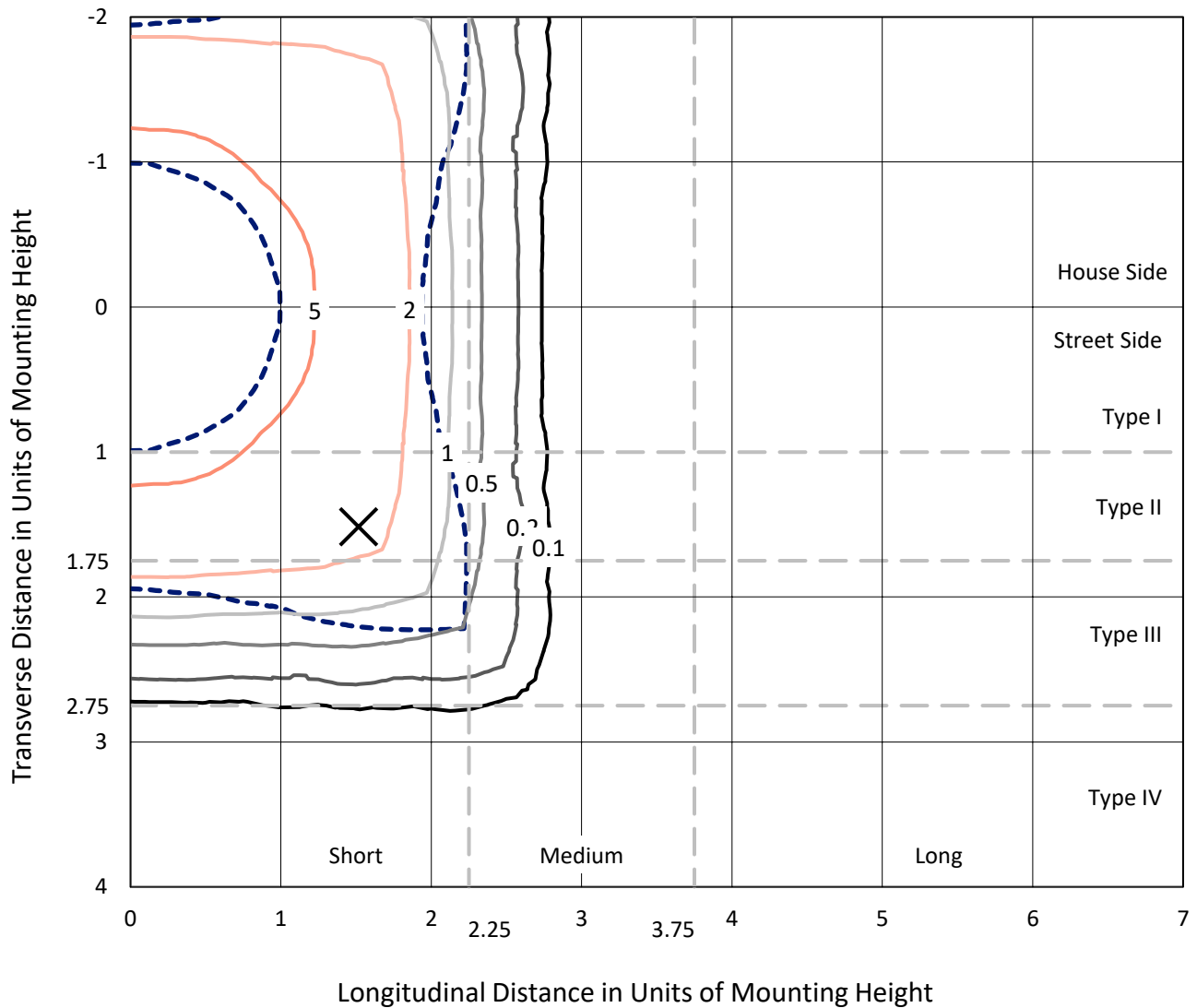
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

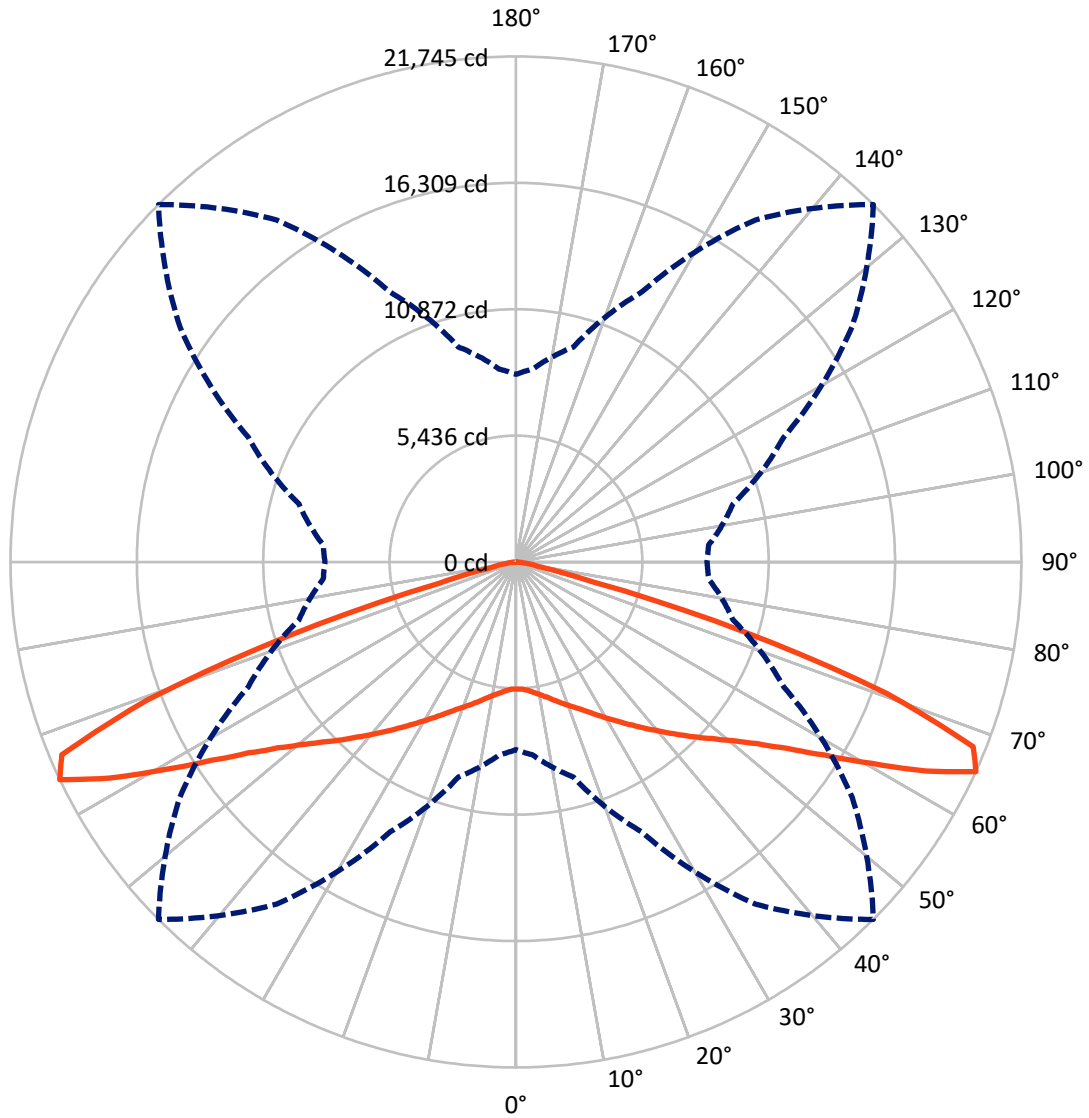
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22992.0	0.0	22992.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22992.0	0.0	22992.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45984.0	0.0	45984.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.1	1.2
10°-20°	1762.4	3.8
20°-30°	3327.5	7.2
30°-40°	5448.7	11.8
40°-50°	8448.2	18.4
50°-60°	12479.8	27.1
60°-70°	11879.6	25.8
70°-80°	1916.9	4.2
80°-90°	180.7	0.4
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°	45984.0	100.0
0°-180°	45984.0	100.0



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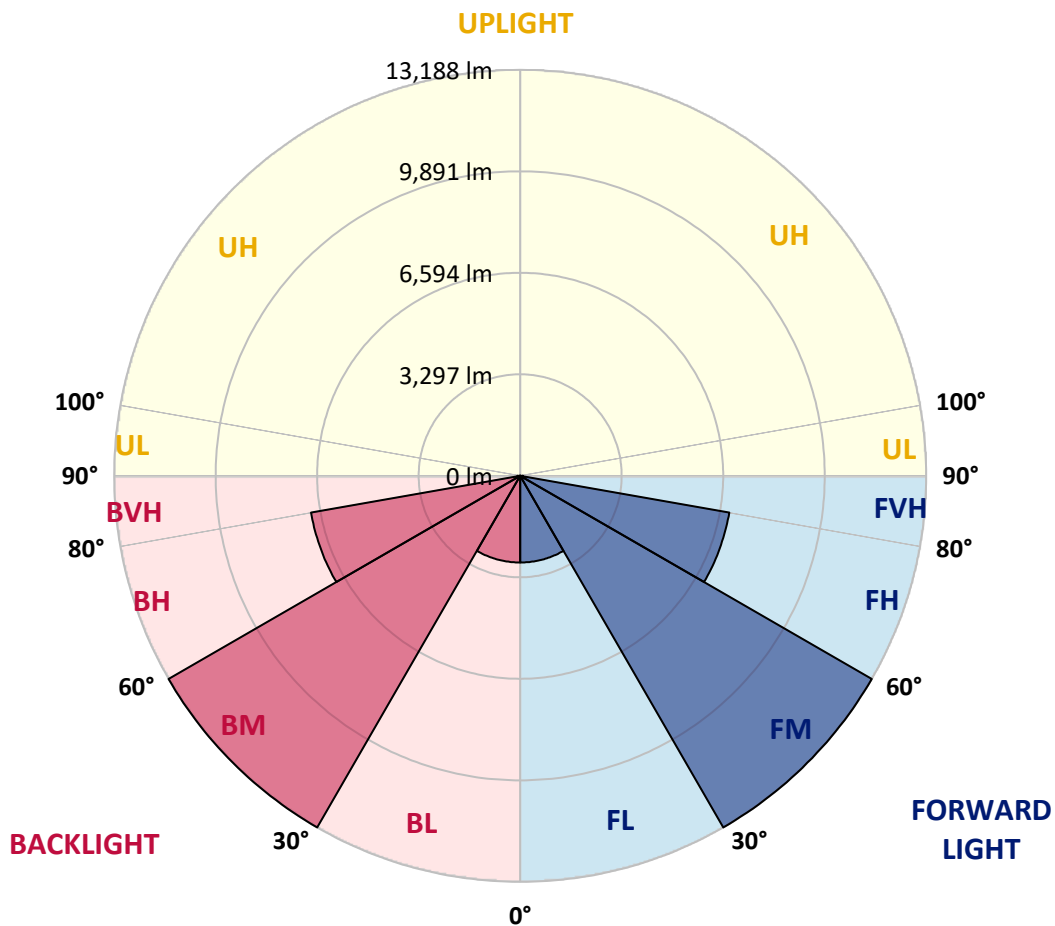
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2815.0	6.1			
FM (30°-60°)	13188.4	28.7			
FH (60°-80°)	6898.3	15.0			G3/7500
FVH (80°-90°)	90.3	0.2			G1/100
BL (0°-30°)	2815.0	6.1	B4/5000		
BM (30°-60°)	13188.4	28.7	B5		
BH (60°-80°)	6898.3	15.0	B5		G3/7500
BVH (80°-90°)	90.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5472.6	5472.6	5472.6	5472.6	5472.6	5472.6	5472.6	5472.6	5472.6	5472.6
2.5°	5509.5	5491.0	5504.9	5493.3	5484.1	5474.9	5479.5	5495.6	5502.5	5504.9
5°	5583.3	5567.1	5574.1	5574.1	5557.9	5553.3	5555.6	5567.1	5581.0	5581.0
7.5°	5703.3	5687.1	5703.3	5694.0	5680.2	5675.6	5673.3	5682.5	5703.3	5703.3
10°	5848.6	5830.2	5839.4	5834.8	5818.6	5811.7	5809.4	5823.2	5841.7	5839.4
12.5°	6007.8	5987.0	5998.6	5984.7	5980.1	5973.2	5973.2	5970.9	5982.4	5973.2
15°	6185.5	6171.6	6176.2	6167.0	6173.9	6169.3	6150.9	6141.6	6146.2	6132.4
17.5°	6395.4	6363.1	6379.3	6374.7	6374.7	6383.9	6353.9	6342.4	6351.6	6337.7
20°	6637.7	6605.4	6612.3	6603.1	6591.5	6600.8	6563.8	6573.1	6580.0	6570.8
22.5°	6903.0	6861.5	6859.2	6863.8	6838.4	6840.7	6815.3	6838.4	6852.2	6826.9
25°	7175.2	7131.4	7161.4	7149.9	7117.6	7124.5	7106.0	7129.1	7140.6	7108.3
27.5°	7463.6	7433.6	7461.3	7468.2	7429.0	7456.7	7429.0	7449.8	7461.3	7412.9
30°	7800.5	7770.5	7795.9	7814.3	7768.2	7812.0	7788.9	7802.8	7805.1	7747.4
32.5°	8167.3	8121.2	8185.8	8195.0	8144.2	8197.3	8167.3	8185.8	8197.3	8118.9
35°	8614.9	8557.2	8631.0	8619.5	8575.7	8619.5	8591.8	8619.5	8647.2	8552.6
37.5°	9097.1	9037.1	9115.5	9094.8	9053.3	9083.2	9067.1	9085.6	9129.4	9027.9
40°	9627.7	9553.9	9660.0	9623.1	9583.9	9579.3	9588.5	9600.0	9657.7	9544.7
42.5°	10195.3	10116.8	10276.0	10218.4	10163.0	10126.1	10156.1	10179.1	10234.5	10107.6
45°	10843.6	10753.6	10961.3	10892.0	10804.4	10728.2	10776.7	10811.3	10892.0	10739.8
47.5°	11558.8	11457.3	11678.8	11658.0	11515.0	11348.9	11459.6	11558.8	11618.8	11434.2
50°	12257.9	12179.4	12470.1	12495.5	12320.2	12087.2	12241.7	12391.7	12407.8	12165.6
52.5°	12913.1	12834.7	13256.9	13416.1	13259.2	12982.3	13146.1	13298.4	13176.1	12862.4
55°	13436.8	13372.2	13909.8	14320.5	14373.5	14145.1	14242.0	14237.4	13836.0	13353.8
57.5°	13563.7	13554.5	14232.8	15102.6	15656.3	15684.0	15492.5	15003.4	14138.2	13489.9
60°	12986.9	13044.6	13976.7	15511.0	16987.5	17601.2	16773.0	15377.1	13794.4	12894.7
62.5°	11261.2	11413.5	12537.0	15012.6	18062.7	19806.9	17799.6	14809.6	12382.5	11208.1
65°	8070.4	8335.7	9577.0	12811.6	17965.8	21744.9	17652.0	12707.8	9669.3	8315.0
67.5°	3661.4	3931.4	4985.7	8771.8	15617.1	21218.8	15580.2	8864.1	5234.9	3945.2
70°	1326.6	1372.8	1711.9	3511.5	9980.7	16906.8	10407.5	3536.9	1820.3	1462.7
72.5°	802.9	809.8	881.3	1257.4	3467.6	10264.5	3615.3	1298.9	899.8	798.3
75°	509.9	505.3	627.5	768.3	1229.7	3463.0	1289.7	768.3	625.2	569.9
77.5°	366.8	378.4	449.9	574.5	775.2	1174.3	761.4	549.1	449.9	369.1
80°	274.6	281.5	327.6	447.6	544.5	731.4	484.5	406.1	339.2	230.7
82.5°	198.4	198.4	214.6	325.3	332.2	394.5	263.0	286.1	223.8	163.8
85°	117.7	115.4	133.8	193.8	173.0	145.4	120.0	175.3	140.7	101.5
87.5°	41.5	43.8	41.5	55.4	46.1	39.2	36.9	48.5	39.2	34.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5472.6
5504.9
5581.0
5696.3
5834.8
5977.8
6134.7
6349.3
6591.5
6852.2
7145.2
7449.8
7782.0
8171.9
8610.3
9090.2
9581.6
10174.5
10818.2
11496.5
12195.6
12871.6
13369.9
13448.4
12788.5
11138.9
8215.8
3887.5
1444.3
812.1
574.5
376.1
237.6
163.8
99.2
32.3
0.0

OF REPORT)