

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: P944130

Luminaire Tested: **GALN-SB8D-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944130
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-SB8D-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60313 lumens
Efficiency: N/A
Efficacy: 103.1 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

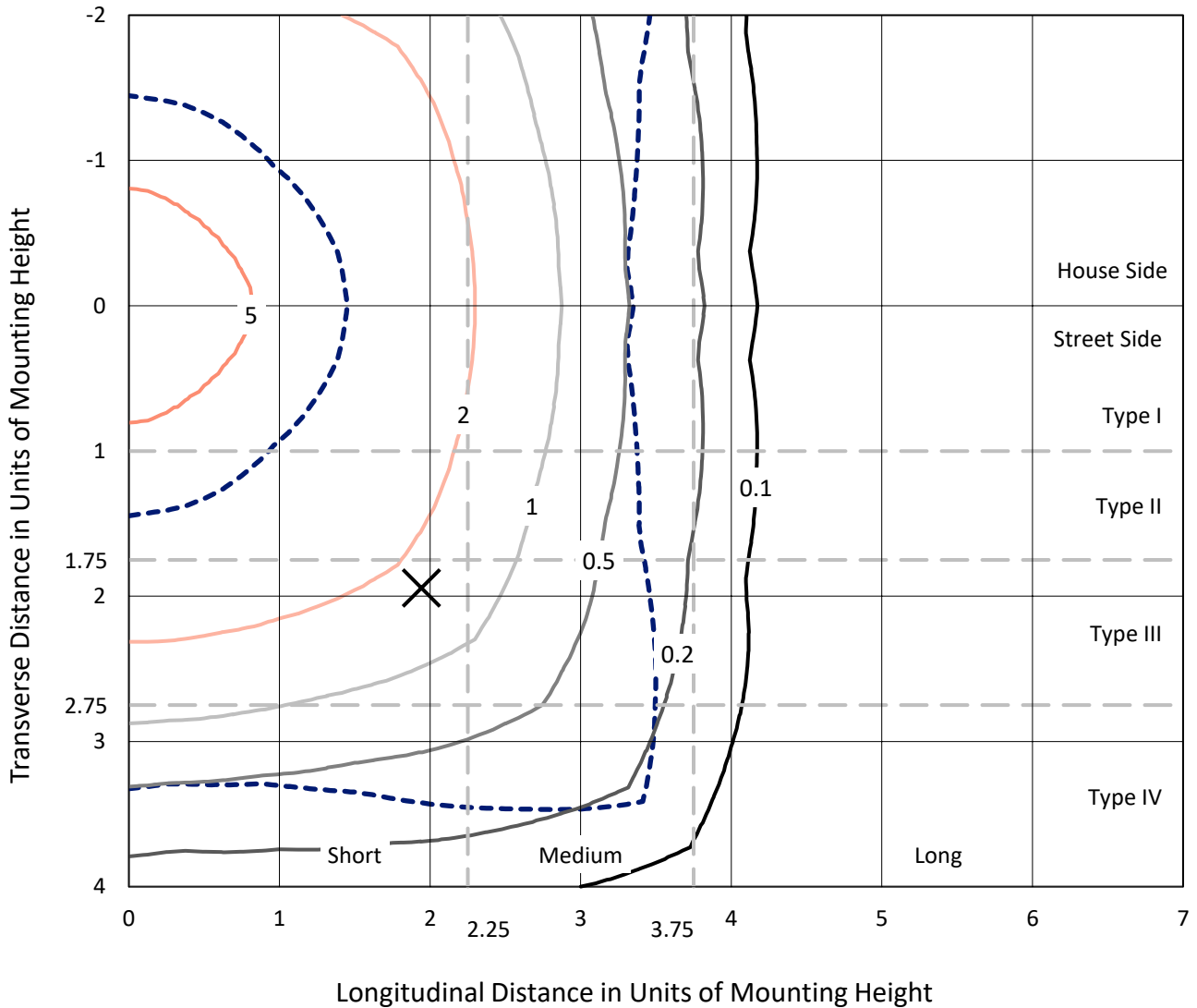
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

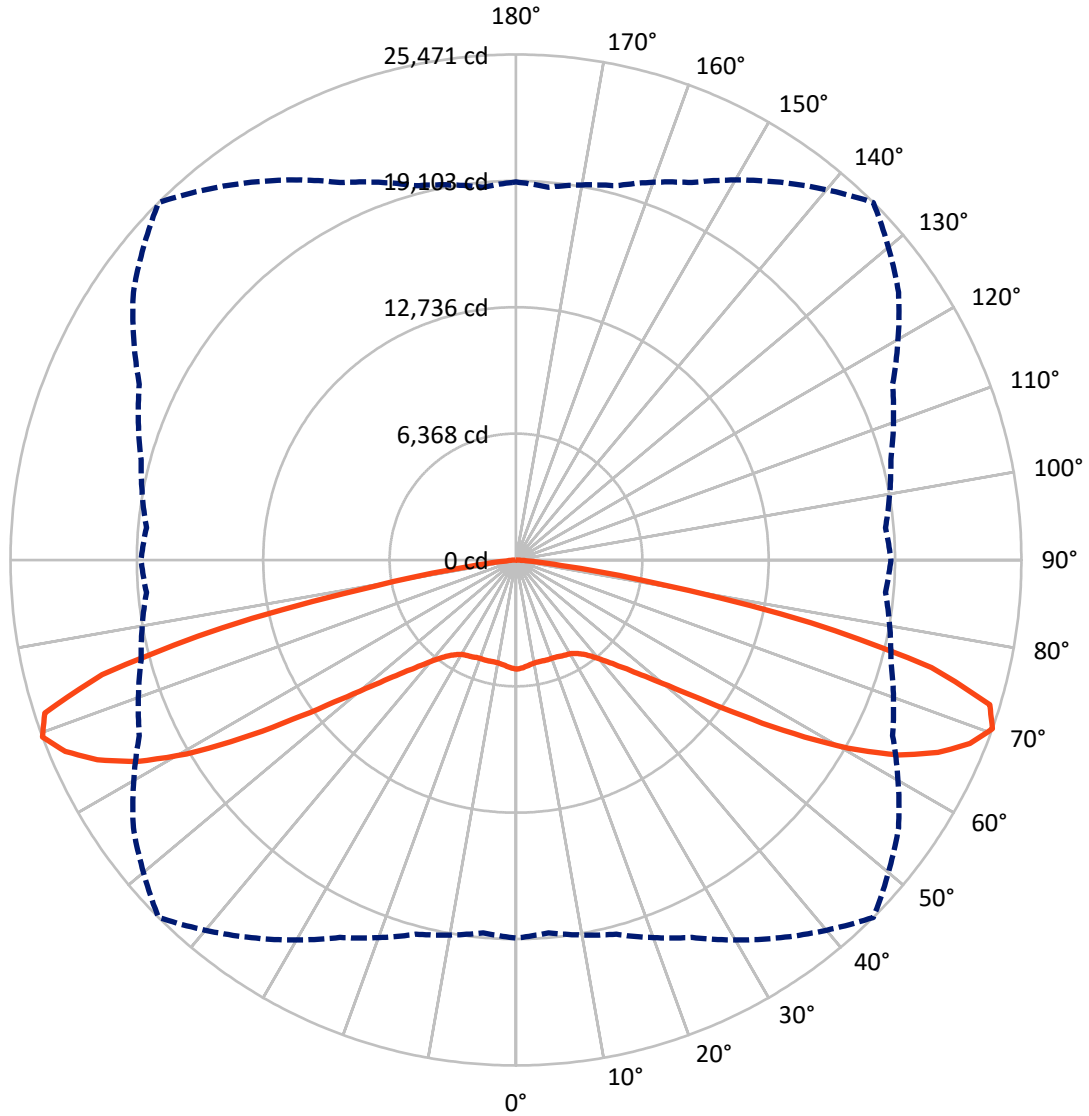
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	30156.5	0.0	30156.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30156.5	0.0	30156.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	60313.0	0.0	60313.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.8	0.8
10°-20°	1502.8	2.5
20°-30°	2500.8	4.1
30°-40°	3782.0	6.3
40°-50°	6284.7	10.4
50°-60°	11859.0	19.7
60°-70°	20024.5	33.2
70°-80°	13158.1	21.8
80°-90°	689.4	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°	60313.0	100.0
0°-180°	60313.0	100.0



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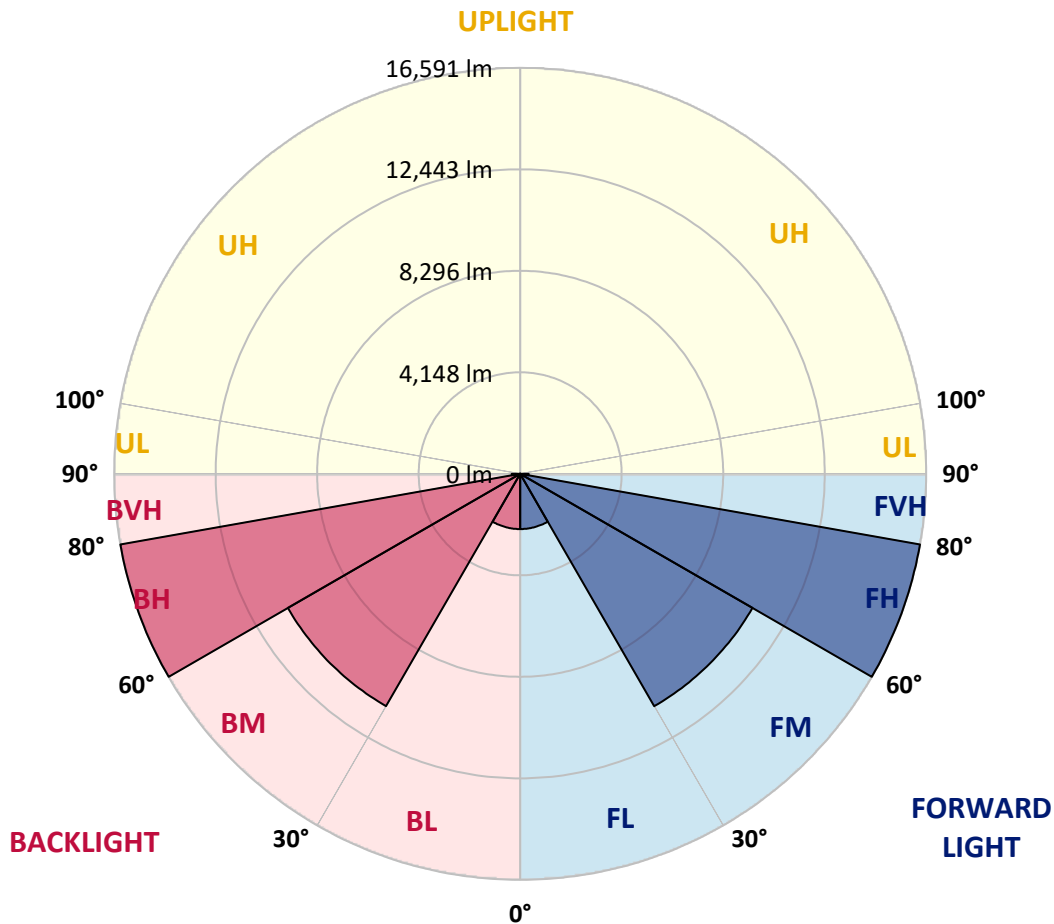
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2257.7	3.7			
FM (30°-60°)	10962.9	18.2			
FH (60°-80°)	16591.3	27.5			G5
FVH (80°-90°)	344.7	0.6			G3/500
BL (0°-30°)	2257.7	3.7	B3/2500		
BM (30°-60°)	10962.9	18.2	B5		
BH (60°-80°)	16591.3	27.5	B5		G5
BVH (80°-90°)	344.7	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°	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8	5501.8
2.5°	5467.3	5483.0	5476.7	5464.1	5464.1	5454.7	5464.1	5470.4	5479.8	5486.1
5°	5395.2	5407.7	5404.6	5395.2	5398.3	5388.9	5395.2	5404.6	5410.8	5414.0
7.5°	5332.5	5345.0	5338.7	5323.1	5323.1	5313.7	5316.8	5326.2	5335.6	5338.7
10°	5316.8	5329.3	5310.5	5285.5	5276.0	5263.5	5266.6	5276.0	5294.9	5304.3
12.5°	5323.1	5332.5	5313.7	5276.0	5266.6	5254.1	5254.1	5263.5	5288.6	5301.1
15°	5341.9	5351.3	5323.1	5282.3	5272.9	5263.5	5260.4	5272.9	5301.1	5323.1
17.5°	5376.4	5385.8	5341.9	5285.5	5272.9	5276.0	5272.9	5282.3	5326.2	5367.0
20°	5407.7	5414.0	5354.4	5285.5	5272.9	5276.0	5272.9	5291.7	5348.1	5404.6
22.5°	5417.1	5423.4	5367.0	5307.4	5298.0	5301.1	5298.0	5316.8	5370.1	5426.5
25°	5420.3	5429.7	5385.8	5338.7	5354.4	5360.7	5354.4	5357.6	5398.3	5448.5
27.5°	5467.3	5479.8	5439.1	5398.3	5407.7	5404.6	5414.0	5423.4	5454.7	5504.9
30°	5564.5	5573.9	5539.4	5498.6	5492.4	5470.4	5498.6	5530.0	5564.5	5608.3
32.5°	5724.3	5743.1	5699.3	5655.4	5627.2	5614.6	5636.6	5689.9	5736.9	5783.9
35°	5990.8	6003.3	5962.6	5881.1	5830.9	5830.9	5849.7	5918.7	5993.9	6053.5
37.5°	6367.0	6382.7	6310.6	6213.4	6138.1	6138.1	6163.2	6235.3	6348.2	6432.8
40°	6824.7	6846.6	6755.7	6655.4	6583.3	6570.8	6602.1	6683.6	6790.2	6896.8
42.5°	7376.4	7401.5	7282.4	7194.6	7138.2	7138.2	7153.9	7229.1	7326.3	7457.9
45°	8081.8	8125.7	7962.7	7874.9	7821.6	7834.1	7843.5	7909.4	7997.1	8147.6
47.5°	8921.9	8965.8	8793.4	8702.5	8693.1	8752.7	8715.0	8762.1	8809.1	8981.5
50°	9875.0	9950.2	9831.1	9824.8	9843.6	9953.3	9865.5	9890.6	9837.3	9947.1
52.5°	11041.1	11150.9	11128.9	11166.5	11376.6	11602.3	11401.7	11313.9	11113.2	11147.7
55°	12455.0	12621.1	12652.5	12878.2	13354.7	13815.5	13389.2	13034.9	12608.6	12530.2
57.5°	14063.2	14194.9	14345.3	14806.2	15696.5	16514.7	15696.5	14912.7	14241.9	14082.0
60°	15793.7	15956.7	16100.9	16781.2	18104.1	19254.6	18079.0	16834.4	15947.3	15731.0
62.5°	17652.7	17862.7	17963.0	18718.5	20260.9	21634.0	20282.8	18775.0	17790.6	17558.6
65°	19436.4	19608.8	19721.7	20527.4	22000.8	23377.0	22101.1	20615.1	19602.6	19298.5
67.5°	20267.2	20361.2	20637.1	21549.3	23104.3	24674.8	23367.6	21646.5	20514.8	19981.9
70°	19050.8	18859.6	19524.2	20985.1	23235.9	25471.1	23536.9	20941.2	19555.5	18690.3
72.5°	14721.5	14392.4	15546.0	18044.5	21731.2	24963.3	21881.6	18185.6	16263.9	14508.3
75°	8009.7	7636.6	9229.2	12389.1	17329.8	21637.1	17727.9	12743.4	10276.2	7950.1
77.5°	2260.3	2119.2	3404.5	5993.9	10423.6	15191.8	10824.8	6125.6	4037.8	2395.1
80°	692.8	670.9	909.1	1805.7	4426.5	7276.1	4254.1	1827.7	1156.8	730.4
82.5°	410.7	376.2	451.4	658.3	1128.6	2285.3	1097.2	686.5	551.7	369.9
85°	235.1	219.4	266.5	319.8	379.3	485.9	316.6	326.0	294.7	197.5
87.5°	97.2	87.8	103.5	100.3	87.8	112.9	84.6	100.3	119.1	78.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5501.8
5483.0
5414.0
5338.7
5304.3
5304.3
5326.2
5367.0
5407.7
5426.5
5445.3
5492.4
5598.9
5765.1
6031.6
6401.5
6862.3
7448.5
8141.4
8931.3
9881.2
11031.7
12408.0
13969.1
15542.9
17370.5
19148.0
19988.2
18897.2
14944.1
8467.4
2661.5
771.2
401.3
206.9
72.1
0.0

OF REPORT)