

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: P939540

Luminaire Tested: **GALN-SB2A-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939540  
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-SB2A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

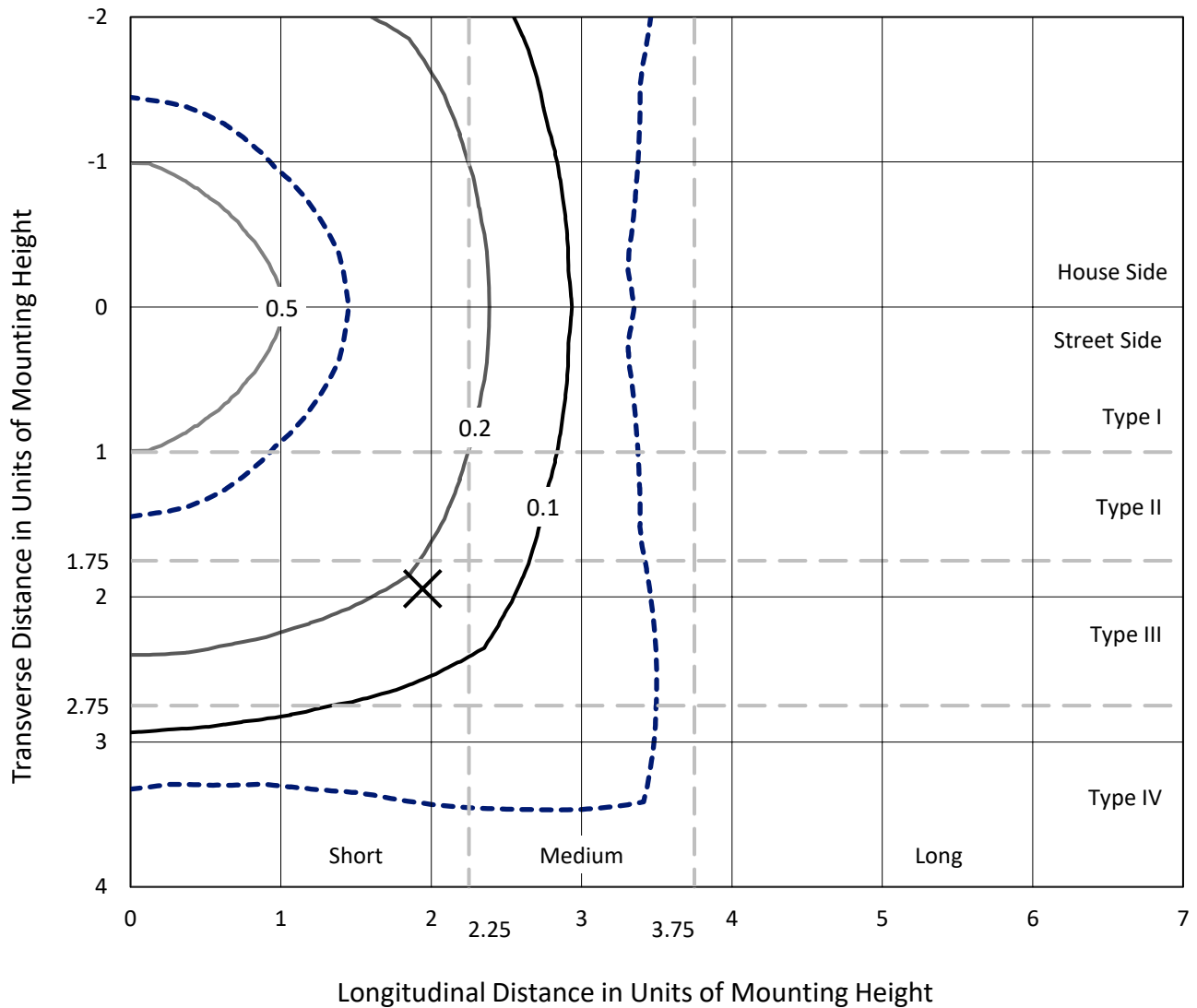
Lumens per Lamp: N/A  
Luminaire Lumens: 6575 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

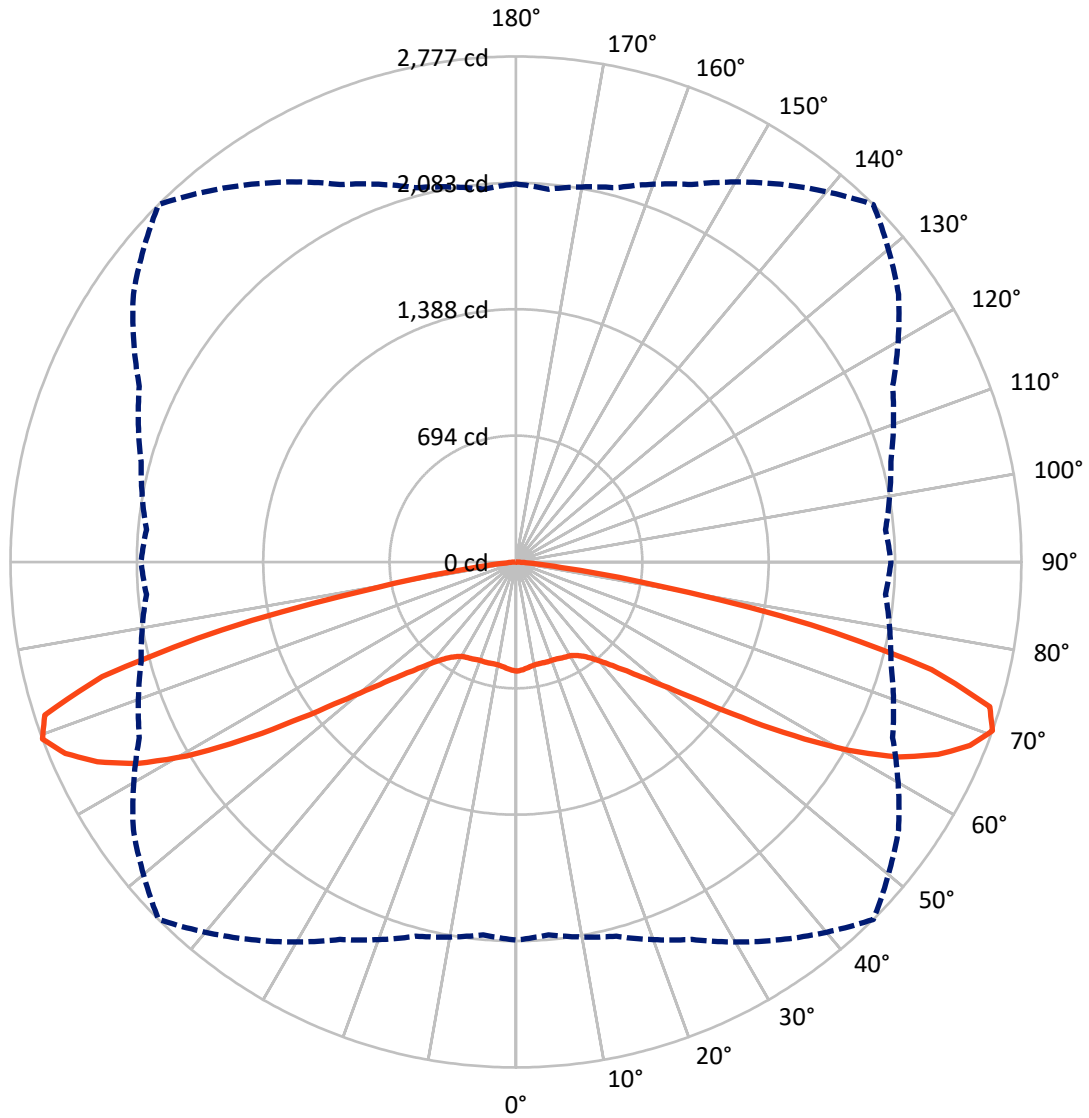
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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
<b>House Side</b>	Lumens	3287.5	0.0	3287.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3287.5	0.0	3287.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6575.0	0.0	6575.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.8	0.8
10°-20°	163.8	2.5
20°-30°	272.6	4.1
30°-40°	412.3	6.3
40°-50°	685.1	10.4
50°-60°	1292.8	19.7
60°-70°	2183.0	33.2
70°-80°	1434.4	21.8
80°-90°	75.1	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°	6575.0	100.0
0°-180°	6575.0	100.0

**Coefficient of Utilization**



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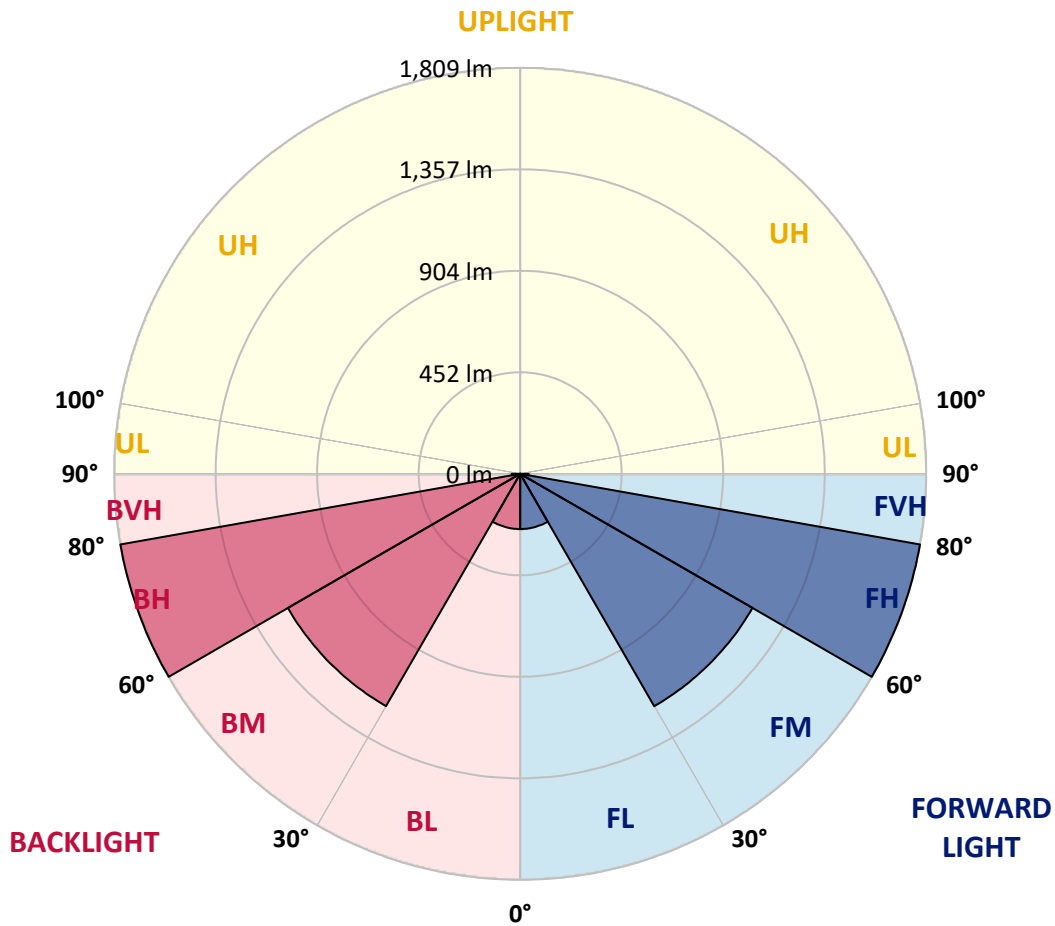
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.1	3.7			
FM (30°-60°)	1195.1	18.2			
FH (60°-80°)	1808.7	27.5			G2/5000
FVH (80°-90°)	37.6	0.6			G1/100
BL (0°-30°)	246.1	3.7	B1/500		
BM (30°-60°)	1195.1	18.2	B2/2500		
BH (60°-80°)	1808.7	27.5	B3/2500		G2/5000
BVH (80°-90°)	37.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	596.0	597.7	597.0	595.7	595.7	594.6	595.7	596.4	597.4	598.1
5°	588.2	589.5	589.2	588.2	588.5	587.5	588.2	589.2	589.9	590.2
7.5°	581.3	582.7	582.0	580.3	580.3	579.3	579.6	580.6	581.7	582.0
10°	579.6	581.0	578.9	576.2	575.2	573.8	574.1	575.2	577.2	578.2
12.5°	580.3	581.3	579.3	575.2	574.1	572.8	572.8	573.8	576.5	577.9
15°	582.3	583.4	580.3	575.8	574.8	573.8	573.5	574.8	577.9	580.3
17.5°	586.1	587.1	582.3	576.2	574.8	575.2	574.8	575.8	580.6	585.1
20°	589.5	590.2	583.7	576.2	574.8	575.2	574.8	576.9	583.0	589.2
22.5°	590.5	591.2	585.1	578.6	577.6	577.9	577.6	579.6	585.4	591.6
25°	590.9	591.9	587.1	582.0	583.7	584.4	583.7	584.1	588.5	594.0
27.5°	596.0	597.4	592.9	588.5	589.5	589.2	590.2	591.2	594.6	600.1
30°	606.6	607.6	603.9	599.4	598.7	596.4	599.4	602.8	606.6	611.4
32.5°	624.0	626.1	621.3	616.5	613.4	612.1	614.5	620.3	625.4	630.5
35°	653.1	654.5	650.0	641.1	635.7	635.7	637.7	645.2	653.4	659.9
37.5°	694.1	695.8	687.9	677.3	669.1	669.1	671.9	679.7	692.0	701.3
40°	744.0	746.4	736.5	725.5	717.7	716.3	719.7	728.6	740.2	751.9
42.5°	804.1	806.9	793.9	784.3	778.2	778.2	779.9	788.1	798.7	813.0
45°	881.0	885.8	868.0	858.5	852.7	854.0	855.1	862.2	871.8	888.2
47.5°	972.6	977.4	958.6	948.7	947.7	954.2	950.1	955.2	960.3	979.1
50°	1076.5	1084.7	1071.7	1071.0	1073.1	1085.1	1075.5	1078.2	1072.4	1084.4
52.5°	1203.6	1215.6	1213.2	1217.3	1240.2	1264.8	1242.9	1233.4	1211.5	1215.3
55°	1357.8	1375.9	1379.3	1403.9	1455.9	1506.1	1459.6	1421.0	1374.5	1366.0
57.5°	1533.1	1547.4	1563.9	1614.1	1711.1	1800.3	1711.1	1625.7	1552.6	1535.1
60°	1721.7	1739.5	1755.2	1829.4	1973.6	2099.0	1970.9	1835.2	1738.5	1714.9
62.5°	1924.4	1947.3	1958.2	2040.6	2208.7	2358.4	2211.1	2046.7	1939.4	1914.1
65°	2118.9	2137.7	2150.0	2237.8	2398.4	2548.4	2409.3	2247.4	2137.0	2103.8
67.5°	2209.4	2219.7	2249.7	2349.2	2518.7	2689.9	2547.4	2359.8	2236.4	2178.3
70°	2076.8	2056.0	2128.4	2287.7	2533.1	2776.7	2565.9	2282.9	2131.8	2037.5
72.5°	1604.9	1569.0	1694.7	1967.1	2369.0	2721.4	2385.4	1982.5	1773.0	1581.6
75°	873.2	832.5	1006.1	1350.6	1889.2	2358.8	1932.6	1389.2	1120.3	866.7
77.5°	246.4	231.0	371.1	653.4	1136.3	1656.1	1180.1	667.8	440.2	261.1
80°	75.5	73.1	99.1	196.8	482.6	793.2	463.8	199.2	126.1	79.6
82.5°	44.8	41.0	49.2	71.8	123.0	249.1	119.6	74.8	60.1	40.3
85°	25.6	23.9	29.0	34.9	41.4	53.0	34.5	35.5	32.1	21.5
87.5°	10.6	9.6	11.3	10.9	9.6	12.3	9.2	10.9	13.0	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
599.8
597.7
590.2
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610.4
628.5
657.5
697.9
748.1
812.0
887.5
973.6
1077.2
1202.6
1352.6
1522.8
1694.4
1893.6
2087.4
2179.0
2060.1
1629.1
923.1
290.1
84.1
43.7
22.6
7.9
0.0

OF REPORT)