

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: P949433

Luminaire Tested: **GALN-SB4A-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949433  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4A-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

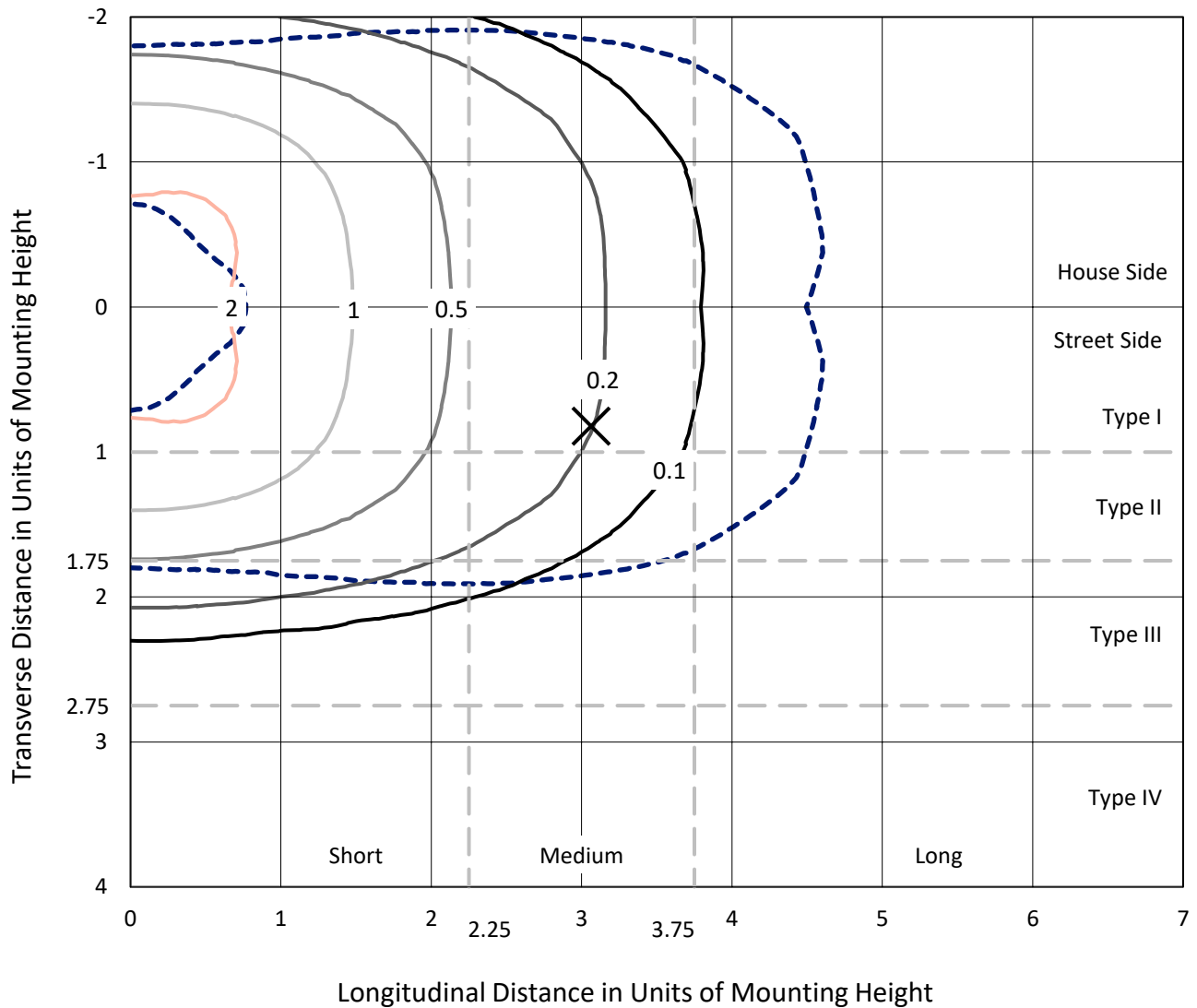
Lumens per Lamp: N/A  
Luminaire Lumens: 13415 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

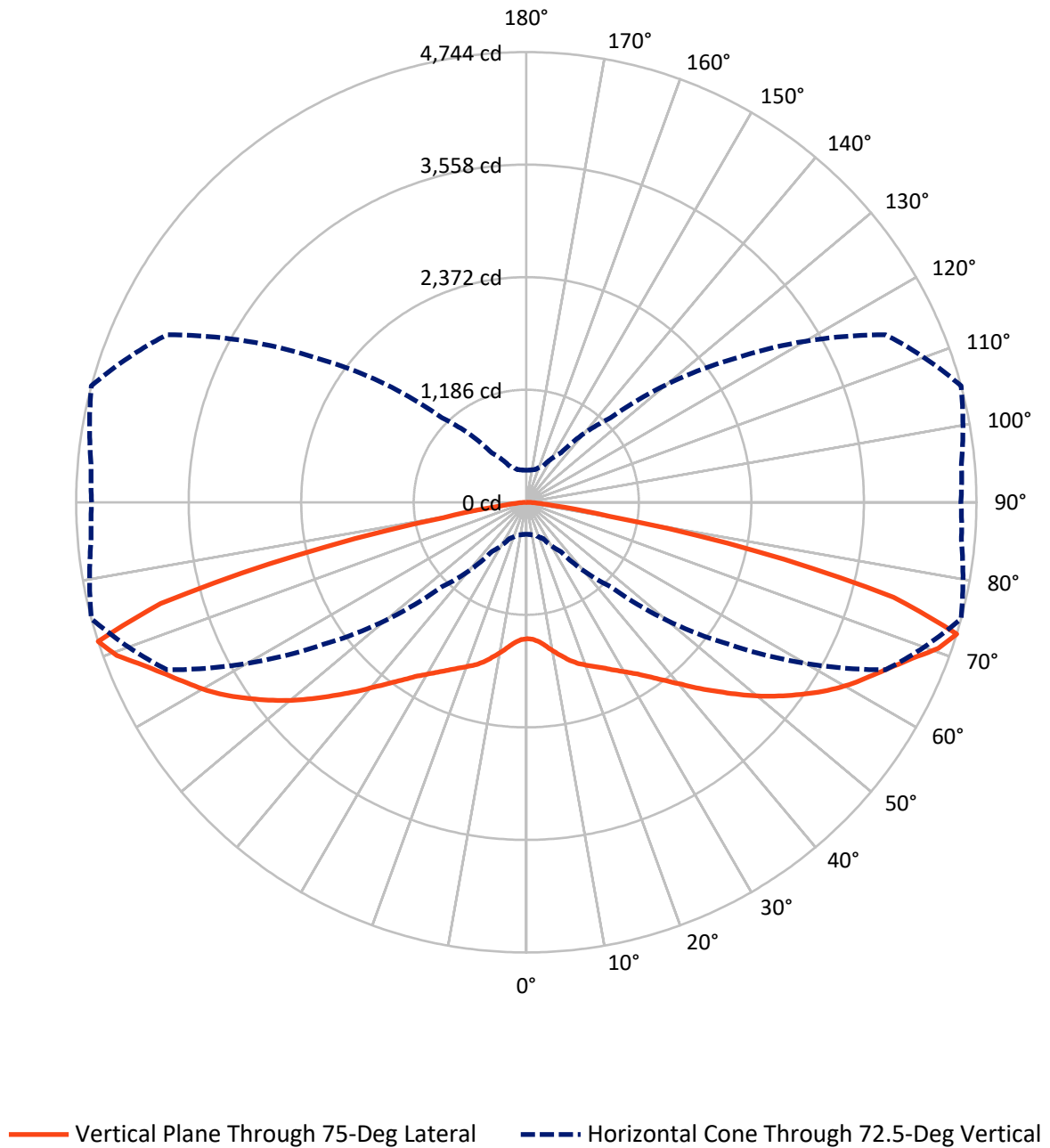
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6707.5	0.0	6707.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6707.5	0.0	6707.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13415.0	0.0	13415.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.8	1.0
10°-20°	464.3	3.5
20°-30°	897.1	6.7
30°-40°	1514.8	11.3
40°-50°	2402.3	17.9
50°-60°	3216.5	24.0
60°-70°	3061.0	22.8
70°-80°	1597.3	11.9
80°-90°	120.9	0.9
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°	13415.0	100.0
0°-180°	13415.0	100.0

**Coefficient of Utilization**



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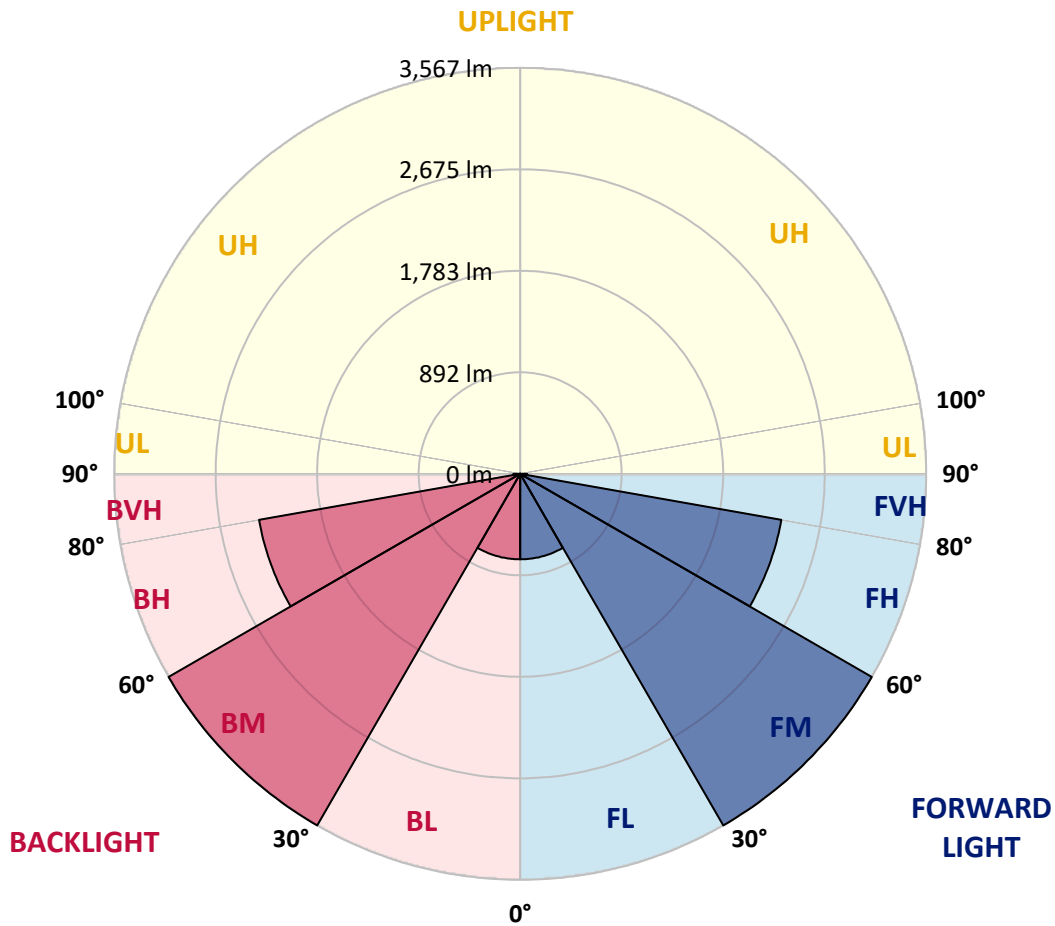
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.1	5.6			
FM (30°-60°)	3566.8	26.6			
FH (60°-80°)	2329.2	17.4			G2/5000
FVH (80°-90°)	60.5	0.5			G1/100
BL (0°-30°)	751.1	5.6	B2/1000		
BM (30°-60°)	3566.8	26.6	B3/5000		
BH (60°-80°)	2329.2	17.4	B3/2500		G3/2500
BVH (80°-90°)	60.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0
2.5°	1437.0	1435.6	1437.0	1438.4	1437.7	1437.7	1441.1	1443.2	1447.3	1446.6
5°	1427.4	1426.7	1432.2	1438.4	1443.2	1451.4	1461.6	1469.2	1478.8	1480.8
7.5°	1422.6	1420.5	1430.1	1441.1	1456.2	1476.7	1496.6	1517.1	1533.6	1539.0
10°	1426.0	1426.7	1439.7	1460.3	1484.2	1513.0	1541.1	1576.0	1599.3	1604.8
12.5°	1441.8	1440.4	1462.3	1495.2	1528.1	1564.4	1597.3	1635.6	1661.0	1674.0
15°	1470.5	1467.8	1498.6	1547.3	1595.2	1637.7	1664.4	1700.7	1730.1	1746.6
17.5°	1504.8	1506.2	1546.6	1609.6	1672.6	1720.5	1745.9	1764.4	1787.0	1801.4
20°	1565.1	1567.8	1613.0	1687.7	1759.6	1814.4	1834.9	1828.1	1834.2	1845.2
22.5°	1645.9	1647.3	1697.9	1778.8	1854.1	1914.4	1928.1	1900.0	1882.9	1890.4
25°	1739.7	1748.6	1799.3	1882.2	1959.6	2017.1	2023.3	1980.8	1938.4	1940.4
27.5°	1854.1	1862.3	1913.7	1995.9	2074.7	2124.7	2124.0	2067.1	2004.8	1989.0
30°	1978.1	1987.0	2039.7	2124.7	2197.9	2241.8	2232.2	2164.4	2075.3	2045.9
32.5°	2125.3	2130.8	2184.2	2269.2	2337.0	2371.9	2352.1	2268.5	2157.5	2124.0
35°	2303.4	2311.6	2351.4	2431.5	2491.1	2519.9	2486.3	2387.7	2263.0	2225.3
37.5°	2506.8	2501.4	2546.6	2617.8	2667.1	2684.9	2639.0	2521.9	2383.6	2339.0
40°	2719.2	2716.4	2765.8	2834.2	2861.0	2871.9	2804.1	2676.0	2522.6	2474.7
42.5°	2911.6	2909.6	2976.0	3052.1	3084.2	3071.9	2986.3	2839.7	2683.6	2628.8
45°	3065.8	3063.0	3144.5	3251.4	3314.4	3293.8	3178.8	3020.5	2846.6	2789.7
47.5°	3184.2	3185.6	3273.3	3405.5	3515.8	3523.3	3375.3	3204.8	3026.0	2961.6
50°	3269.9	3274.0	3367.8	3514.4	3665.1	3731.5	3576.0	3393.8	3211.6	3139.0
52.5°	3291.1	3298.6	3411.6	3583.6	3761.0	3887.7	3780.1	3575.3	3387.7	3318.5
55°	3178.1	3193.2	3336.3	3578.1	3819.9	3990.4	3959.6	3759.6	3565.1	3493.8
57.5°	2918.5	2939.7	3106.9	3422.6	3806.9	4061.0	4098.6	3936.3	3742.5	3674.0
60°	2554.8	2580.1	2740.4	3084.9	3623.3	4087.0	4196.6	4108.2	3905.5	3839.0
62.5°	2006.2	2039.0	2230.8	2634.9	3235.6	3965.8	4280.1	4263.7	4052.1	3969.2
65°	1287.0	1321.9	1524.0	2001.4	2718.5	3594.5	4306.2	4415.1	4206.9	4091.1
67.5°	776.0	791.8	891.8	1213.0	1987.0	3034.9	4085.6	4582.9	4387.7	4243.8
70°	496.6	505.5	565.1	712.3	1123.3	2214.4	3539.0	4614.4	4606.9	4400.7
72.5°	337.0	339.7	355.5	421.9	635.6	1258.2	2610.3	4177.4	4743.8	4602.7
75°	246.6	261.6	287.0	298.6	361.0	628.8	1495.9	2934.9	3997.9	4059.6
77.5°	183.6	184.2	219.2	232.9	257.5	334.9	632.9	1638.4	2482.2	2606.2
80°	155.5	147.3	146.6	187.7	193.8	208.9	282.9	565.8	889.0	539.0
82.5°	129.5	120.5	108.9	146.6	132.2	128.1	122.6	230.1	282.9	139.0
85°	90.4	86.3	82.2	95.9	75.3	64.4	58.9	107.5	119.2	58.9
87.5°	39.0	40.4	41.1	42.5	31.5	22.6	22.6	30.1	30.1	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1437.0
1445.9
1480.8
1540.4
1610.3
1679.5
1752.7
1808.2
1853.4
1895.9
1943.8
1993.8
2049.3
2132.2
2230.8
2347.3
2490.4
2642.5
2802.7
2980.8
3161.0
3336.3
3513.7
3689.7
3853.4
3978.8
4105.5
4254.8
4399.3
4580.8
3910.3
2324.7
407.5
118.5
52.1
17.1
0.0

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