

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: P947123

Luminaire Tested: **GALN-SB2C-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947123  
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-SB2C-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

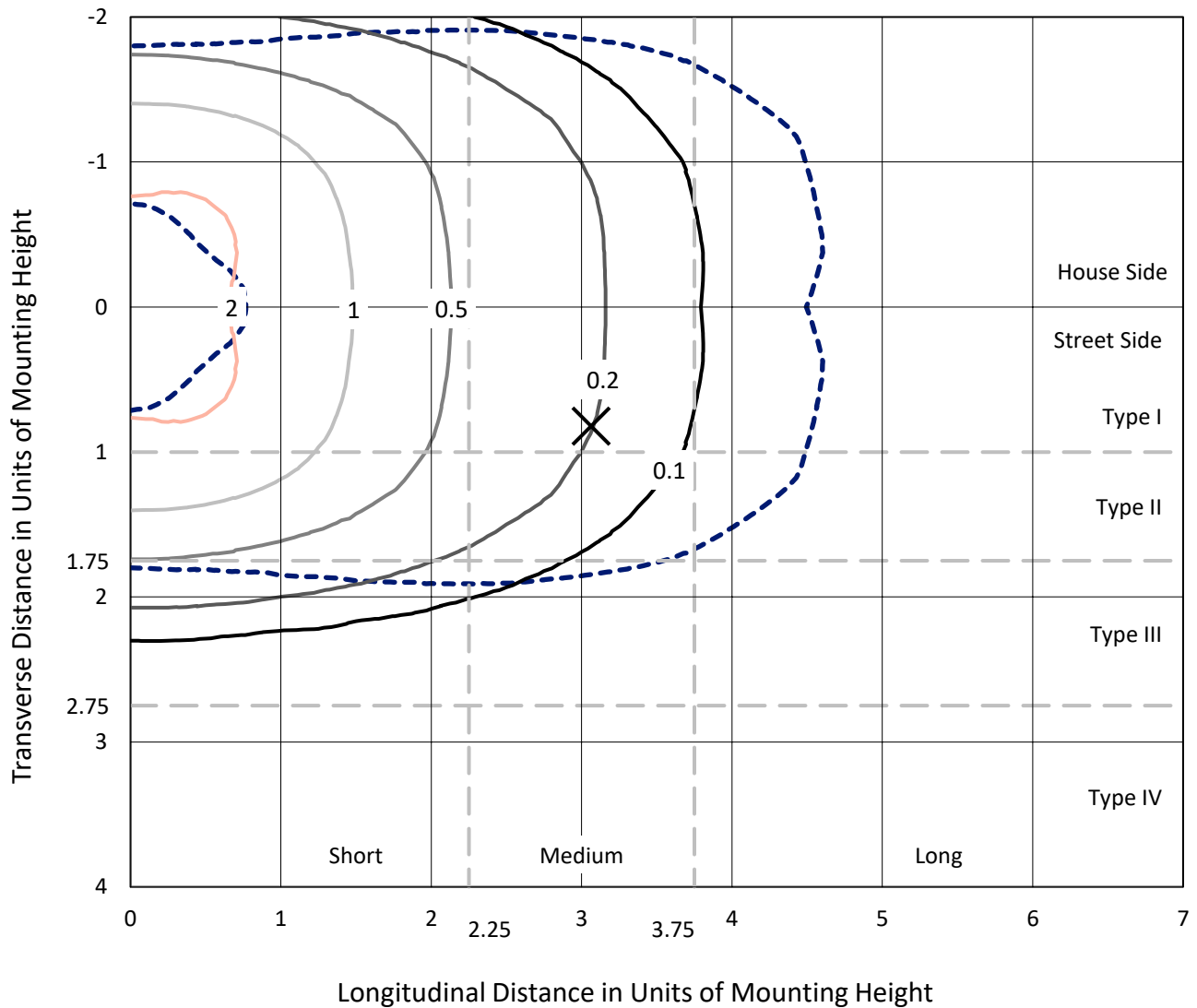
Lumens per Lamp: N/A  
Luminaire Lumens: 13411 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): 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

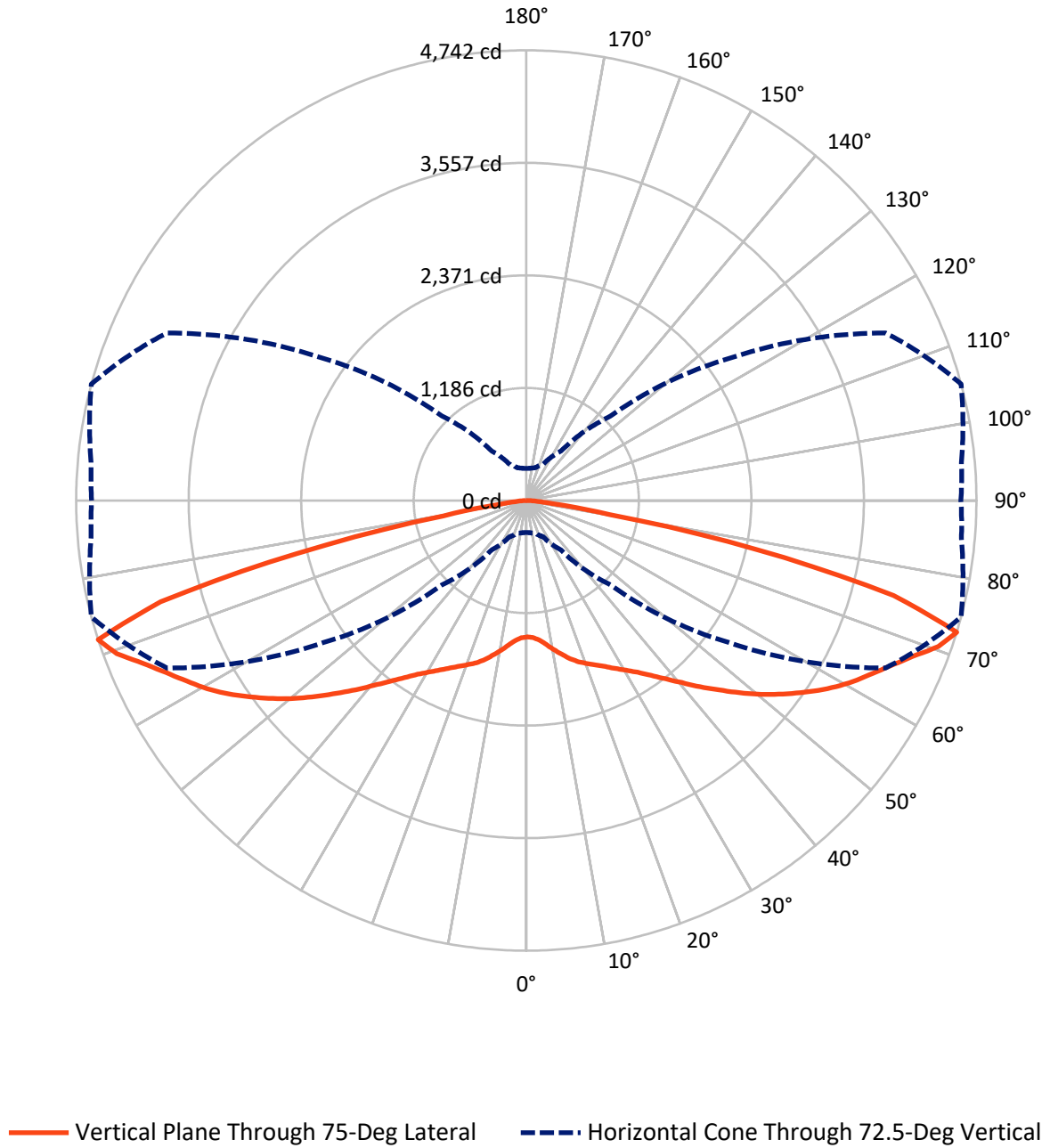
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	6705.5	0.0	6705.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6705.5	0.0	6705.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13411.0	0.0	13411.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.7	1.0
10°-20°	464.1	3.5
20°-30°	896.8	6.7
30°-40°	1514.4	11.3
40°-50°	2401.6	17.9
50°-60°	3215.5	24.0
60°-70°	3060.1	22.8
70°-80°	1596.8	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°	13411.0	100.0
0°-180°	13411.0	100.0

**Coefficient of Utilization**



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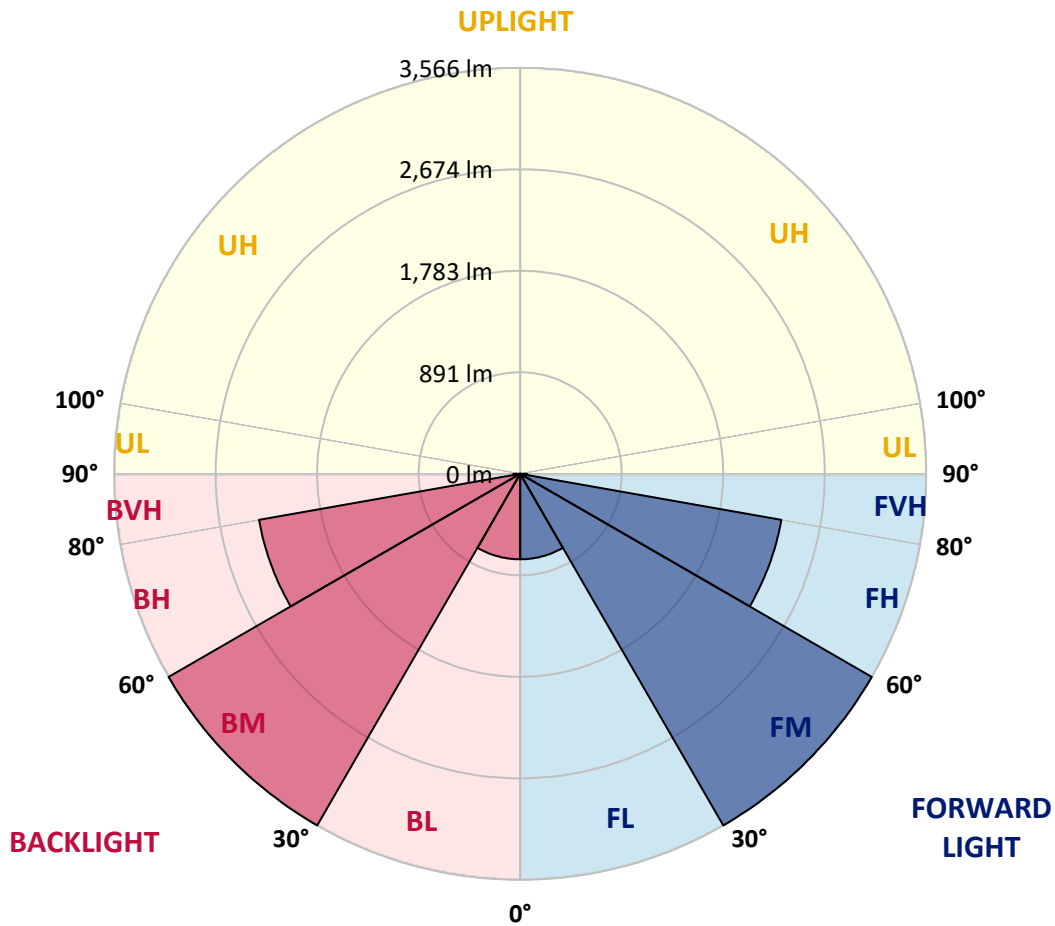
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.8	5.6			
FM (30°-60°)	3565.7	26.6			
FH (60°-80°)	2328.5	17.4			G2/5000
FVH (80°-90°)	60.4	0.5			G1/100
BL (0°-30°)	750.8	5.6	B2/1000		
BM (30°-60°)	3565.7	26.6	B3/5000		
BH (60°-80°)	2328.5	17.4	B3/2500		G3/2500
BVH (80°-90°)	60.4	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°	1436.6	1436.6	1436.6	1436.6	1436.6	1436.6	1436.6	1436.6	1436.6	1436.6
2.5°	1436.6	1435.2	1436.6	1437.9	1437.2	1437.2	1440.7	1442.7	1446.8	1446.1
5°	1427.0	1426.3	1431.8	1437.9	1442.7	1450.9	1461.2	1468.7	1478.3	1480.4
7.5°	1422.2	1420.1	1429.7	1440.7	1455.7	1476.3	1496.1	1516.7	1533.1	1538.6
10°	1425.6	1426.3	1439.3	1459.8	1483.8	1512.6	1540.6	1575.6	1598.8	1604.3
12.5°	1441.4	1440.0	1461.9	1494.8	1527.6	1563.9	1596.8	1635.1	1660.5	1673.5
15°	1470.1	1467.4	1498.2	1546.8	1594.7	1637.2	1663.9	1700.2	1729.6	1746.1
17.5°	1504.3	1505.7	1546.1	1609.1	1672.1	1720.0	1745.4	1763.9	1786.5	1800.8
20°	1564.6	1567.3	1612.5	1687.2	1759.1	1813.8	1834.4	1827.5	1833.7	1844.7
22.5°	1645.4	1646.8	1697.4	1778.2	1853.6	1913.8	1927.5	1899.4	1882.3	1889.8
25°	1739.2	1748.1	1798.8	1881.6	1959.0	2016.5	2022.7	1980.2	1937.8	1939.8
27.5°	1853.6	1861.8	1913.1	1995.3	2074.0	2124.0	2123.3	2066.5	2004.2	1988.4
30°	1977.5	1986.4	2039.1	2124.0	2197.3	2241.1	2231.5	2163.7	2074.7	2045.3
32.5°	2124.7	2130.2	2183.6	2268.5	2336.3	2371.2	2351.4	2267.8	2156.9	2123.3
35°	2302.7	2311.0	2350.7	2430.8	2490.4	2519.1	2485.6	2387.0	2262.3	2224.7
37.5°	2506.1	2500.6	2545.8	2617.0	2666.3	2684.1	2638.3	2521.2	2382.9	2338.3
40°	2718.4	2715.6	2764.9	2833.4	2860.1	2871.1	2803.3	2675.2	2521.9	2473.9
42.5°	2910.8	2908.7	2975.1	3051.1	3083.3	3071.0	2985.4	2838.9	2682.8	2628.0
45°	3064.8	3062.1	3143.6	3250.4	3313.4	3292.9	3177.8	3019.6	2845.7	2788.9
47.5°	3183.3	3184.7	3272.3	3404.5	3514.7	3522.2	3374.3	3203.8	3025.1	2960.8
50°	3268.9	3273.0	3366.8	3513.3	3664.0	3730.4	3575.0	3392.8	3210.7	3138.1
52.5°	3290.1	3297.6	3410.6	3582.5	3759.8	3886.5	3779.0	3574.3	3386.7	3317.5
55°	3177.1	3192.2	3335.3	3577.0	3818.7	3989.2	3958.4	3758.5	3564.0	3492.8
57.5°	2917.6	2938.9	3105.9	3421.6	3805.7	4059.7	4097.4	3935.1	3741.4	3672.9
60°	2554.0	2579.4	2739.6	3084.0	3622.2	4085.8	4195.3	4107.0	3904.3	3837.9
62.5°	2005.6	2038.4	2230.2	2634.1	3234.7	3964.6	4278.9	4262.4	4050.8	3968.0
65°	1286.6	1321.5	1523.5	2000.8	2717.7	3593.4	4304.9	4413.8	4205.6	4089.9
67.5°	775.8	791.5	891.5	1212.7	1986.4	3034.0	4084.4	4581.5	4386.4	4242.6
70°	496.4	505.3	564.9	712.1	1123.0	2213.7	3538.0	4613.0	4605.5	4399.4
72.5°	336.9	339.6	355.4	421.8	635.4	1257.8	2609.5	4176.2	4742.4	4601.4
75°	246.5	261.6	286.9	298.5	360.9	628.6	1495.4	2934.1	3996.8	4058.4
77.5°	183.5	184.2	219.1	232.8	257.5	334.8	632.7	1637.9	2481.5	2605.4
80°	155.4	147.2	146.5	187.6	193.8	208.8	282.8	565.6	888.8	538.9
82.5°	129.4	120.5	108.9	146.5	132.2	128.0	122.6	230.1	282.8	139.0
85°	90.4	86.3	82.2	95.9	75.3	64.4	58.9	107.5	119.1	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°
1436.6
1445.5
1480.4
1540.0
1609.8
1679.0
1752.2
1807.7
1852.9
1895.3
1943.3
1993.2
2048.7
2131.6
2230.2
2346.6
2489.7
2641.7
2801.9
2979.9
3160.0
3335.3
3512.7
3688.6
3852.3
3977.6
4104.3
4253.5
4398.0
4579.5
3909.1
2324.0
407.4
118.5
52.0
17.1
0.0

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