

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: P941210

Luminaire Tested: **GALN-SB4C-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941210  
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-SB4C-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

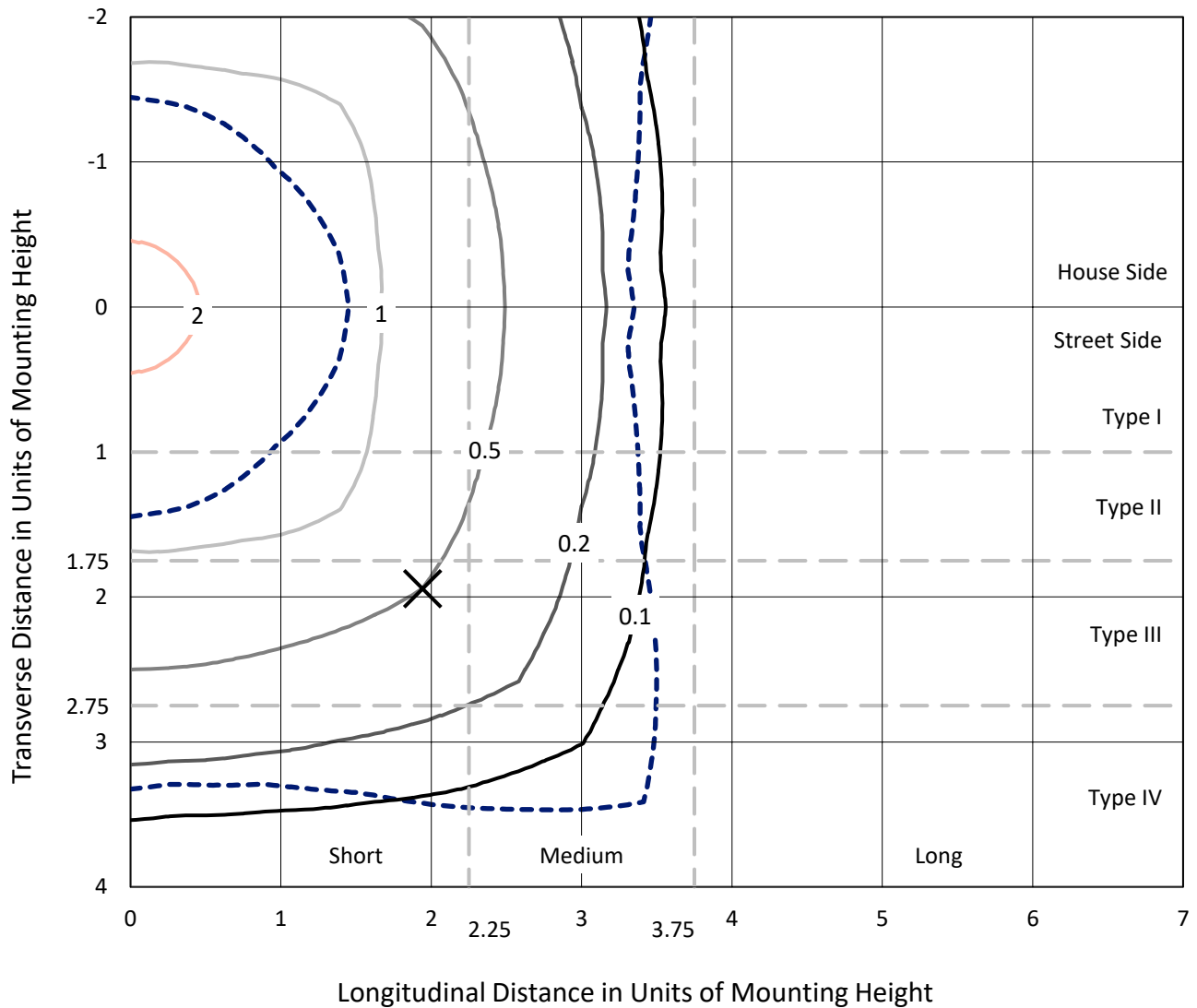
Lumens per Lamp: N/A  
Luminaire Lumens: 18480 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

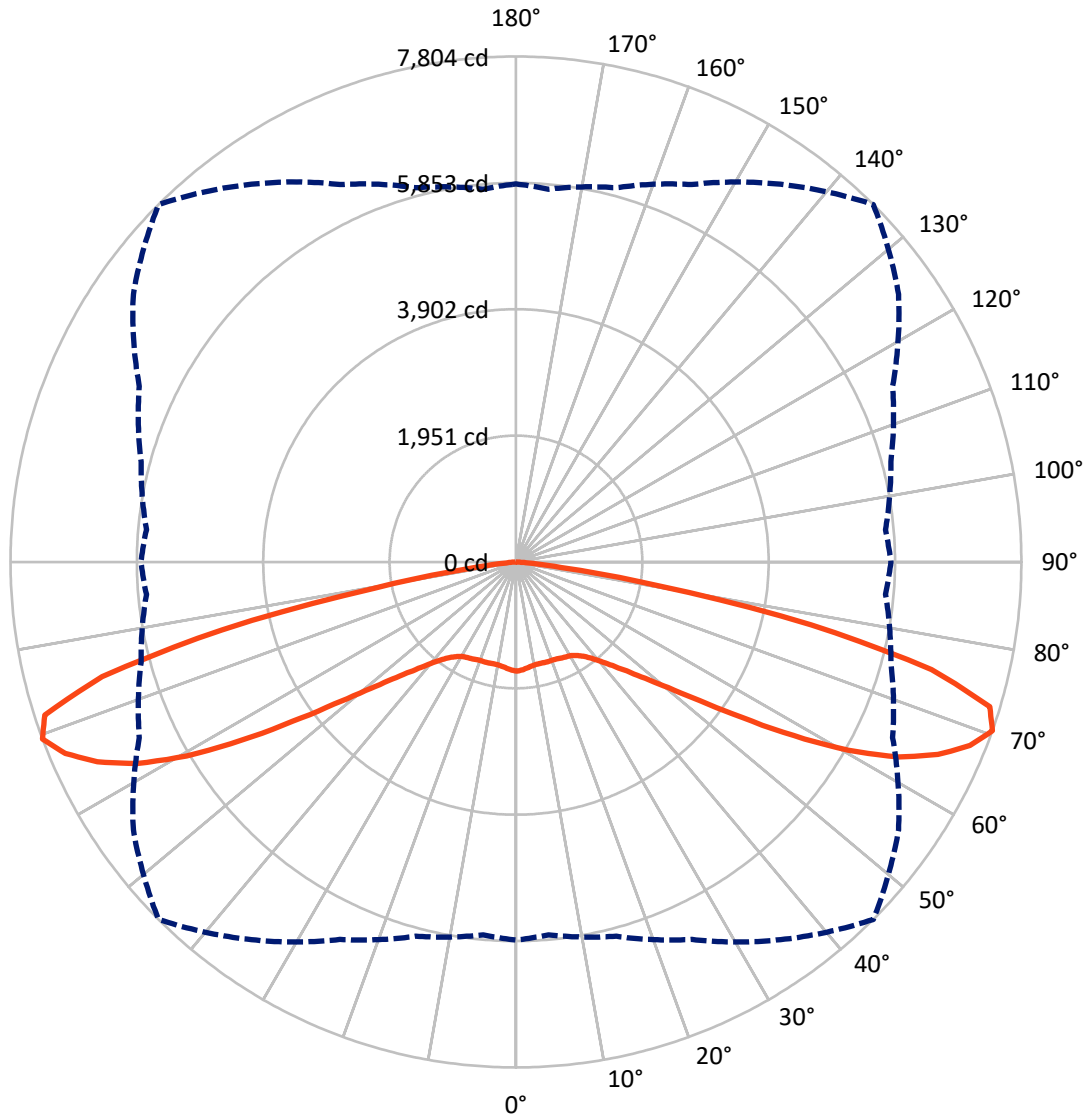
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	9240.0	0.0	9240.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9240.0	0.0	9240.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18480.0	0.0	18480.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.8	0.8
10°-20°	460.4	2.5
20°-30°	766.2	4.1
30°-40°	1158.8	6.3
40°-50°	1925.6	10.4
50°-60°	3633.6	19.7
60°-70°	6135.5	33.2
70°-80°	4031.7	21.8
80°-90°	211.2	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°	18480.0	100.0
0°-180°	18480.0	100.0



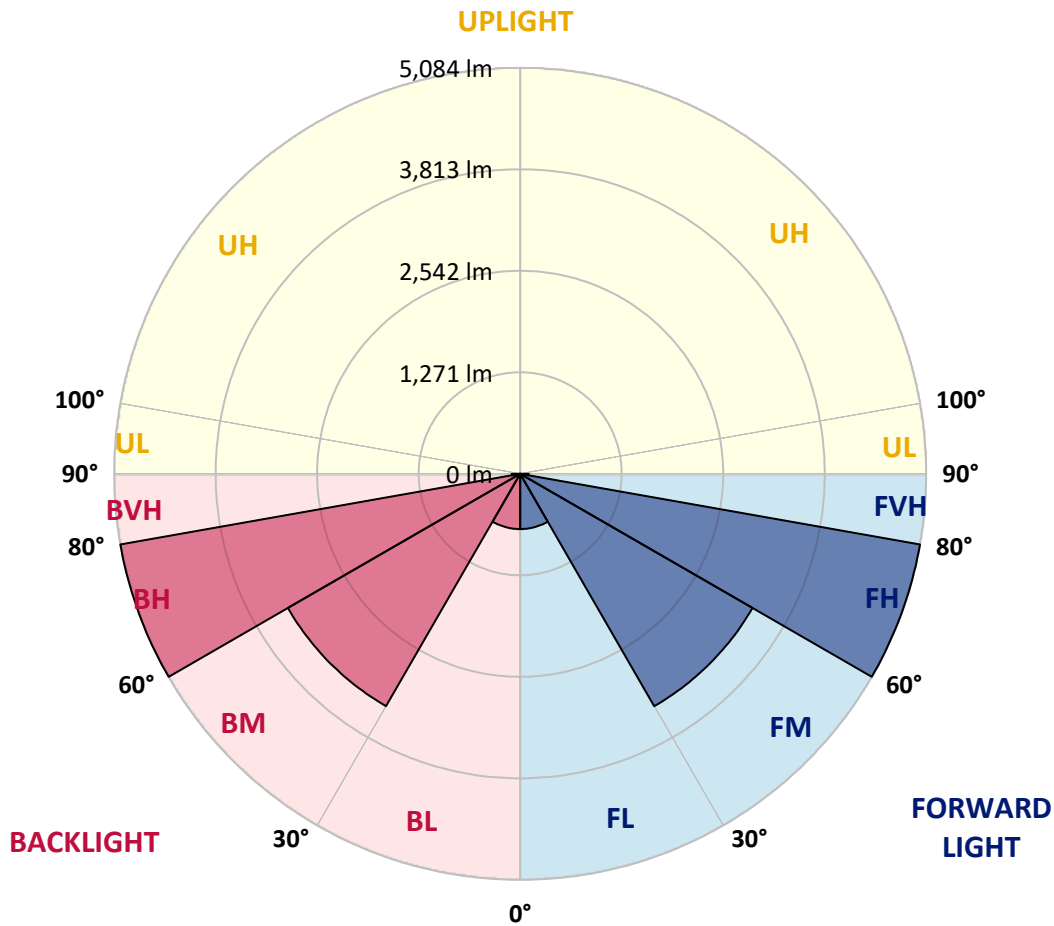
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.8	3.7			
FM (30°-60°)	3359.0	18.2			
FH (60°-80°)	5083.6	27.5			G3/7500
FVH (80°-90°)	105.6	0.6			G2/225
BL (0°-30°)	691.8	3.7	B2/1000		
BM (30°-60°)	3359.0	18.2	B3/5000		
BH (60°-80°)	5083.6	27.5	B5		G3/7500
BVH (80°-90°)	105.6	0.6			G2/225
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°	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7
2.5°	1675.2	1680.0	1678.1	1674.2	1674.2	1671.3	1674.2	1676.1	1679.0	1680.9
5°	1653.1	1656.9	1656.0	1653.1	1654.1	1651.2	1653.1	1656.0	1657.9	1658.9
7.5°	1633.9	1637.7	1635.8	1631.0	1631.0	1628.1	1629.1	1632.0	1634.8	1635.8
10°	1629.1	1632.9	1627.2	1619.5	1616.6	1612.7	1613.7	1616.6	1622.4	1625.2
12.5°	1631.0	1633.9	1628.1	1616.6	1613.7	1609.9	1609.9	1612.7	1620.4	1624.3
15°	1636.8	1639.6	1631.0	1618.5	1615.6	1612.7	1611.8	1615.6	1624.3	1631.0
17.5°	1647.3	1650.2	1636.8	1619.5	1615.6	1616.6	1615.6	1618.5	1632.0	1644.4
20°	1656.9	1658.9	1640.6	1619.5	1615.6	1616.6	1615.6	1621.4	1638.7	1656.0
22.5°	1659.8	1661.7	1644.4	1626.2	1623.3	1624.3	1623.3	1629.1	1645.4	1662.7
25°	1660.8	1663.7	1650.2	1635.8	1640.6	1642.5	1640.6	1641.6	1654.1	1669.4
27.5°	1675.2	1679.0	1666.5	1654.1	1656.9	1656.0	1658.9	1661.7	1671.3	1686.7
30°	1705.0	1707.8	1697.3	1684.8	1682.9	1676.1	1684.8	1694.4	1705.0	1718.4
32.5°	1753.9	1759.7	1746.3	1732.8	1724.2	1720.3	1727.1	1743.4	1757.8	1772.2
35°	1835.6	1839.4	1826.9	1802.0	1786.6	1786.6	1792.4	1813.5	1836.6	1854.8
37.5°	1950.9	1955.7	1933.6	1903.8	1880.7	1880.7	1888.4	1910.5	1945.1	1971.0
40°	2091.1	2097.8	2070.0	2039.2	2017.1	2013.3	2022.9	2047.9	2080.5	2113.2
42.5°	2260.2	2267.8	2231.3	2204.4	2187.2	2187.2	2192.0	2215.0	2244.8	2285.1
45°	2476.3	2489.7	2439.8	2412.9	2396.5	2400.4	2403.3	2423.4	2450.3	2496.4
47.5°	2733.7	2747.1	2694.3	2666.5	2663.6	2681.8	2670.3	2684.7	2699.1	2751.9
50°	3025.7	3048.8	3012.3	3010.3	3016.1	3049.7	3022.8	3030.5	3014.2	3047.8
52.5°	3383.0	3416.6	3409.9	3421.4	3485.8	3555.0	3493.5	3466.6	3405.1	3415.7
55°	3816.2	3867.1	3876.7	3945.9	4091.9	4233.1	4102.5	3993.9	3863.3	3839.3
57.5°	4309.0	4349.3	4395.4	4536.6	4809.4	5060.1	4809.4	4569.3	4363.7	4314.7
60°	4839.2	4889.1	4933.3	5141.8	5547.1	5899.6	5539.4	5158.1	4886.3	4820.0
62.5°	5408.8	5473.2	5503.9	5735.4	6208.0	6628.7	6214.7	5752.7	5451.1	5380.0
65°	5955.3	6008.2	6042.8	6289.6	6741.1	7162.7	6771.8	6316.5	6006.3	5913.1
67.5°	6209.9	6238.7	6323.2	6602.8	7079.2	7560.4	7159.9	6632.5	6285.8	6122.5
70°	5837.2	5778.6	5982.2	6429.9	7119.5	7804.4	7211.7	6416.4	5991.8	5726.7
72.5°	4510.7	4409.8	4763.3	5528.9	6658.5	7648.8	6704.6	5572.1	4983.3	4445.4
75°	2454.2	2339.9	2827.8	3796.1	5309.9	6629.6	5431.9	3904.6	3148.7	2435.9
77.5°	692.5	649.3	1043.1	1836.6	3193.8	4654.8	3316.7	1876.9	1237.2	733.9
80°	212.3	205.6	278.6	553.3	1356.3	2229.4	1303.5	560.0	354.4	223.8
82.5°	125.8	115.3	138.3	201.7	345.8	700.2	336.2	210.4	169.1	113.3
85°	72.0	67.2	81.6	98.0	116.2	148.9	97.0	99.9	90.3	60.5
87.5°	29.8	26.9	31.7	30.7	26.9	34.6	25.9	30.7	36.5	24.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1685.7
1680.0
1658.9
1635.8
1625.2
1625.2
1632.0
1644.4
1656.9
1662.7
1668.5
1682.9
1715.5
1766.4
1848.1
1961.4
2102.6
2282.2
2494.5
2736.6
3027.6
3380.1
3801.8
4280.2
4762.4
5322.4
5867.0
6124.4
5790.1
4578.9
2594.4
815.5
236.3
122.9
63.4
22.1
0.0

OF REPORT)