

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: P948194

Luminaire Tested: **GALN-SB3B-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948194  
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-SB3B-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

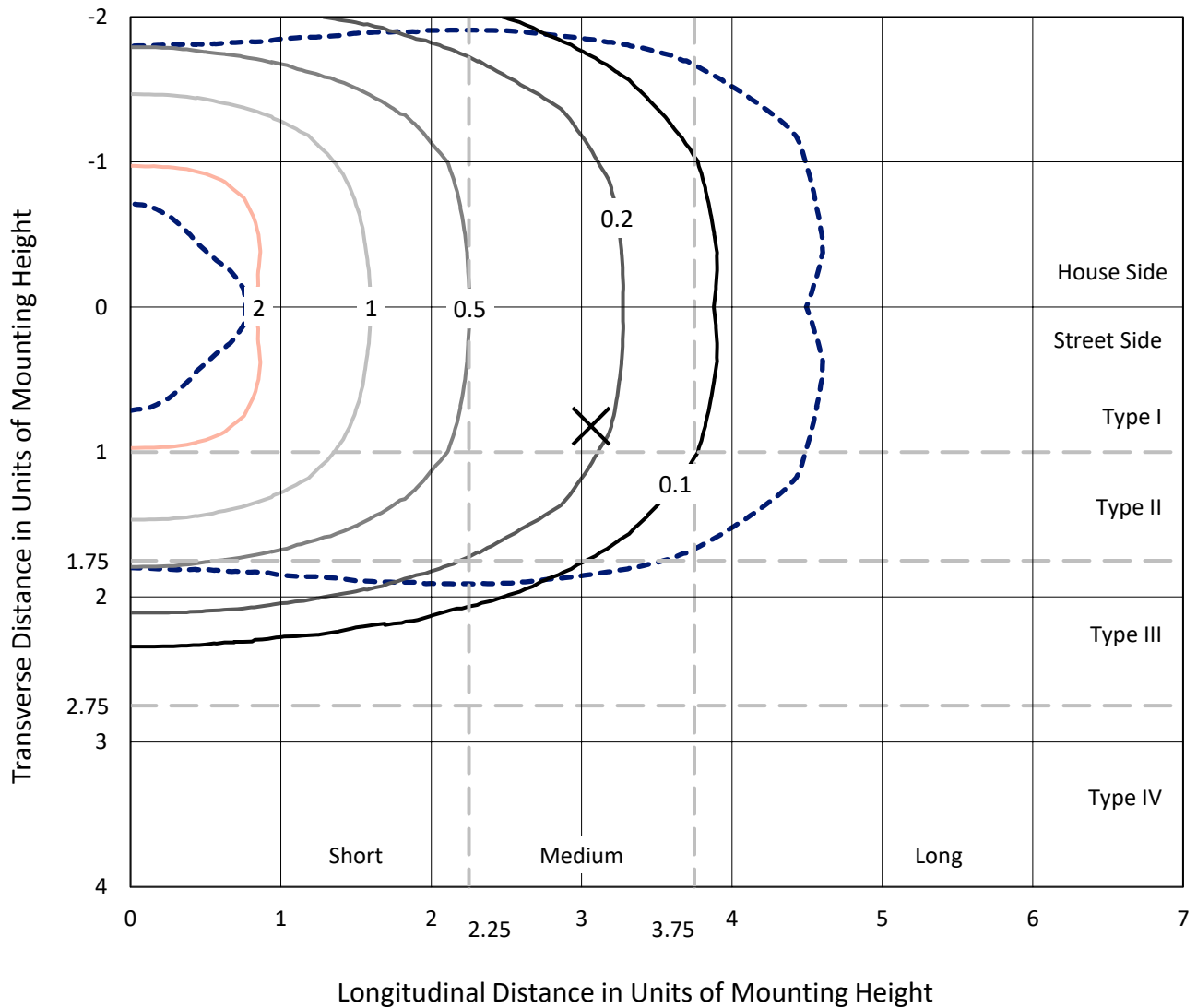
Lumens per Lamp: N/A  
Luminaire Lumens: 15129 lumens  
Efficiency: N/A  
Efficacy: 138.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

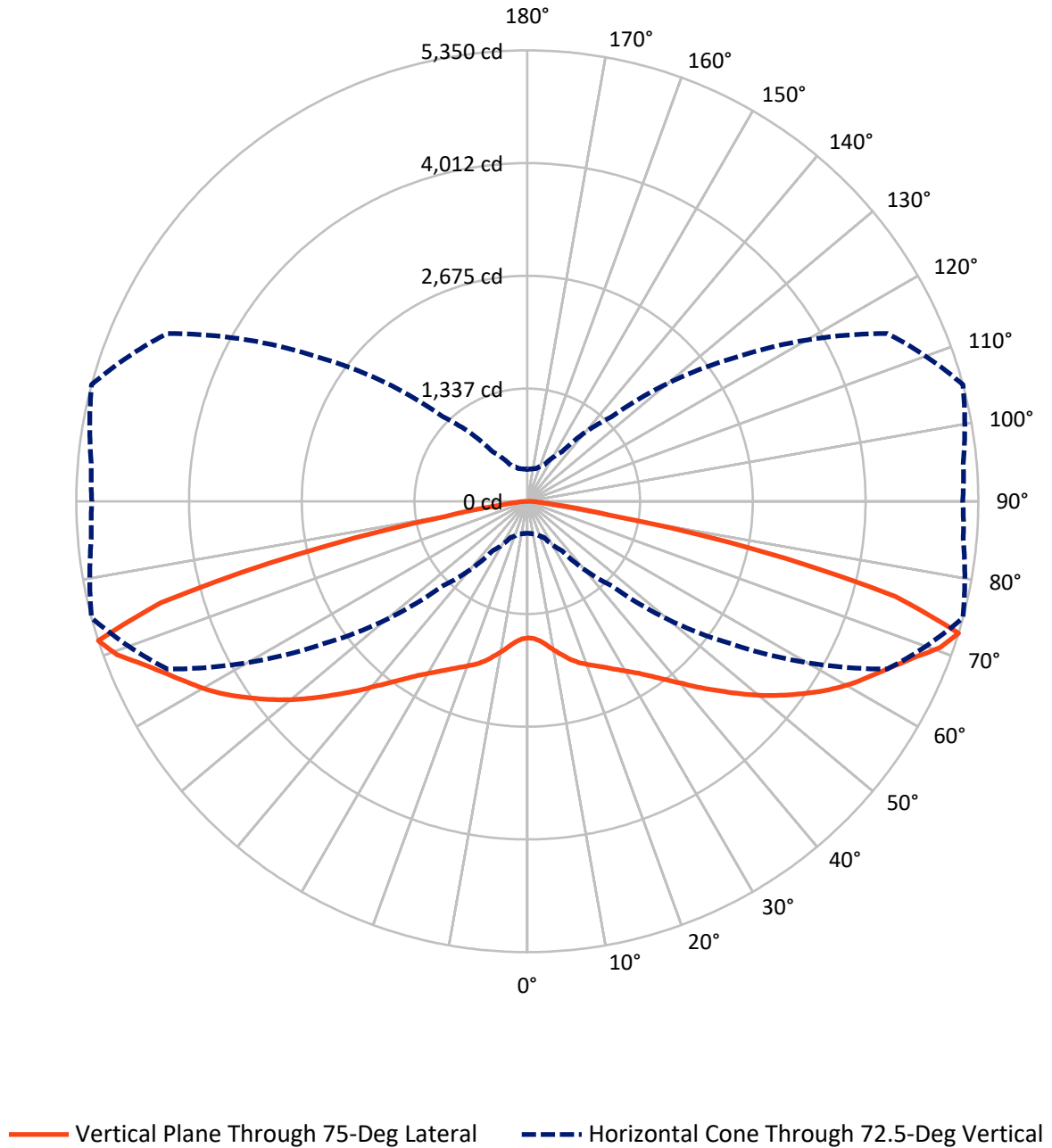
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7564.5	0.0	7564.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7564.5	0.0	7564.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15129.0	0.0	15129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.8	1.0
10°-20°	523.6	3.5
20°-30°	1011.7	6.7
30°-40°	1708.4	11.3
40°-50°	2709.3	17.9
50°-60°	3627.4	24.0
60°-70°	3452.1	22.8
70°-80°	1801.4	11.9
80°-90°	136.4	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°	15129.0	100.0
0°-180°	15129.0	100.0

**Coefficient of Utilization**



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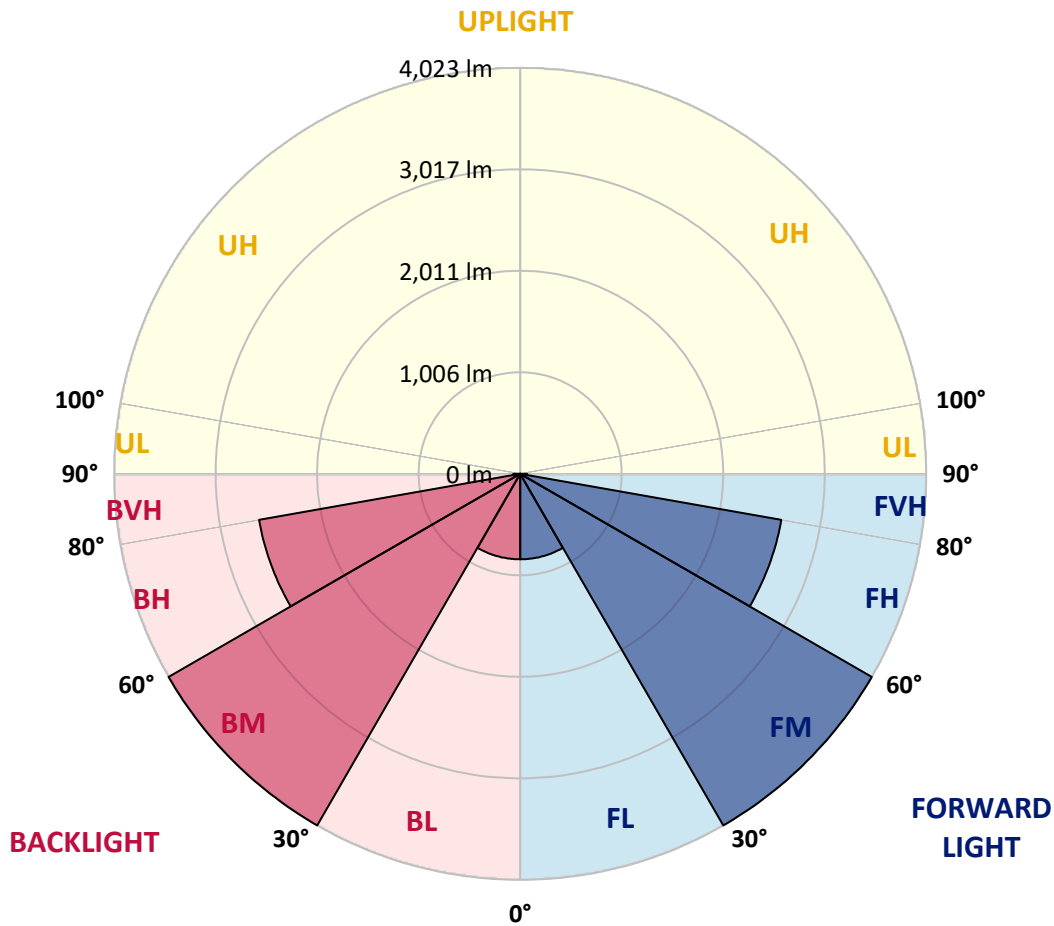
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.0	5.6			
FM (30°-60°)	4022.5	26.6			
FH (60°-80°)	2626.8	17.4			G2/5000
FVH (80°-90°)	68.2	0.5			G1/100
BL (0°-30°)	847.0	5.6	B2/1000		
BM (30°-60°)	4022.5	26.6	B3/5000		
BH (60°-80°)	2626.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	68.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6	1620.6
2.5°	1620.6	1619.0	1620.6	1622.1	1621.4	1621.4	1625.2	1627.5	1632.2	1631.4
5°	1609.8	1609.0	1615.2	1622.1	1627.5	1636.8	1648.4	1656.9	1667.7	1670.0
7.5°	1604.4	1602.0	1612.9	1625.2	1642.2	1665.4	1687.8	1711.0	1729.5	1735.7
10°	1608.2	1609.0	1623.7	1646.8	1673.9	1706.3	1738.0	1777.4	1803.7	1809.8
12.5°	1626.0	1624.4	1649.2	1686.2	1723.3	1764.3	1801.3	1844.6	1873.2	1887.9
15°	1658.4	1655.3	1690.1	1745.0	1799.0	1846.9	1877.0	1918.0	1951.2	1969.7
17.5°	1697.1	1698.6	1744.2	1815.2	1886.3	1940.4	1969.0	1989.8	2015.3	2031.5
20°	1765.0	1768.1	1819.1	1903.3	1984.4	2046.2	2069.4	2061.7	2068.6	2081.0
22.5°	1856.2	1857.7	1914.9	2006.0	2091.0	2159.0	2174.4	2142.8	2123.4	2131.9
25°	1962.0	1972.0	2029.2	2122.7	2210.0	2274.8	2281.8	2233.9	2186.0	2188.3
27.5°	2091.0	2100.3	2158.2	2250.9	2339.7	2396.1	2395.3	2331.2	2260.9	2243.2
30°	2230.8	2240.9	2300.3	2396.1	2478.8	2528.2	2517.4	2440.9	2340.5	2307.3
32.5°	2396.9	2403.1	2463.3	2559.1	2635.6	2675.0	2652.6	2558.3	2433.2	2395.3
35°	2597.7	2607.0	2651.8	2742.2	2809.4	2841.8	2804.0	2692.7	2552.2	2509.7
37.5°	2827.1	2821.0	2871.9	2952.3	3007.9	3028.0	2976.2	2844.1	2688.1	2637.9
40°	3066.6	3063.5	3119.1	3196.4	3226.5	3238.9	3162.4	3017.9	2844.9	2790.8
42.5°	3283.7	3281.3	3356.3	3442.0	3478.3	3464.4	3367.9	3202.6	3026.4	2964.6
45°	3457.5	3454.4	3546.3	3666.8	3737.9	3714.7	3584.9	3406.5	3210.3	3146.2
47.5°	3591.1	3592.6	3691.5	3840.6	3965.0	3973.5	3806.6	3614.3	3412.7	3340.0
50°	3687.6	3692.3	3798.1	3963.4	4133.3	4208.3	4032.9	3827.5	3622.0	3540.1
52.5°	3711.6	3720.1	3847.5	4041.4	4241.5	4384.4	4263.1	4032.2	3820.5	3742.5
55°	3584.1	3601.1	3762.6	4035.2	4307.9	4500.3	4465.5	4239.9	4020.6	3940.2
57.5°	3291.4	3315.3	3503.8	3859.9	4293.2	4579.8	4622.3	4439.2	4220.6	4143.4
60°	2881.2	2909.8	3090.5	3479.1	4086.2	4609.2	4732.8	4633.1	4404.5	4329.5
62.5°	2262.5	2299.6	2515.8	2971.6	3649.0	4472.4	4827.0	4808.5	4569.8	4476.3
65°	1451.4	1490.8	1718.7	2257.1	3065.8	4053.8	4856.4	4979.2	4744.3	4613.8
67.5°	875.2	892.9	1005.7	1368.0	2240.9	3422.7	4607.6	5168.4	4948.3	4786.1
70°	560.0	570.1	637.3	803.3	1266.8	2497.3	3991.2	5204.0	5195.5	4963.0
72.5°	380.0	383.1	400.9	475.8	716.8	1419.0	2943.8	4711.1	5349.9	5190.8
75°	278.1	295.1	323.7	336.8	407.1	709.1	1687.0	3309.9	4508.8	4578.3
77.5°	207.0	207.8	247.2	262.6	290.4	377.7	713.7	1847.7	2799.3	2939.1
80°	175.3	166.1	165.3	211.6	218.6	235.6	319.0	638.0	1002.6	607.9
82.5°	146.0	136.0	122.8	165.3	149.1	144.4	138.3	259.5	319.0	156.8
85°	102.0	97.3	92.7	108.1	85.0	72.6	66.4	121.3	134.4	66.4
87.5°	44.0	45.6	46.3	47.9	35.5	25.5	25.5	34.0	34.0	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1620.6
1630.6
1670.0
1737.2
1816.0
1894.0
1976.7
2039.3
2090.2
2138.1
2192.2
2248.6
2311.2
2404.6
2515.8
2647.2
2808.6
2980.1
3160.8
3361.7
3564.8
3762.6
3962.6
4161.2
4345.8
4487.1
4630.0
4798.4
4961.4
5166.1
4409.9
2621.7
459.6
133.6
58.7
19.3
0.0

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