

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: P948211

Luminaire Tested: **GALN-SB3B-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

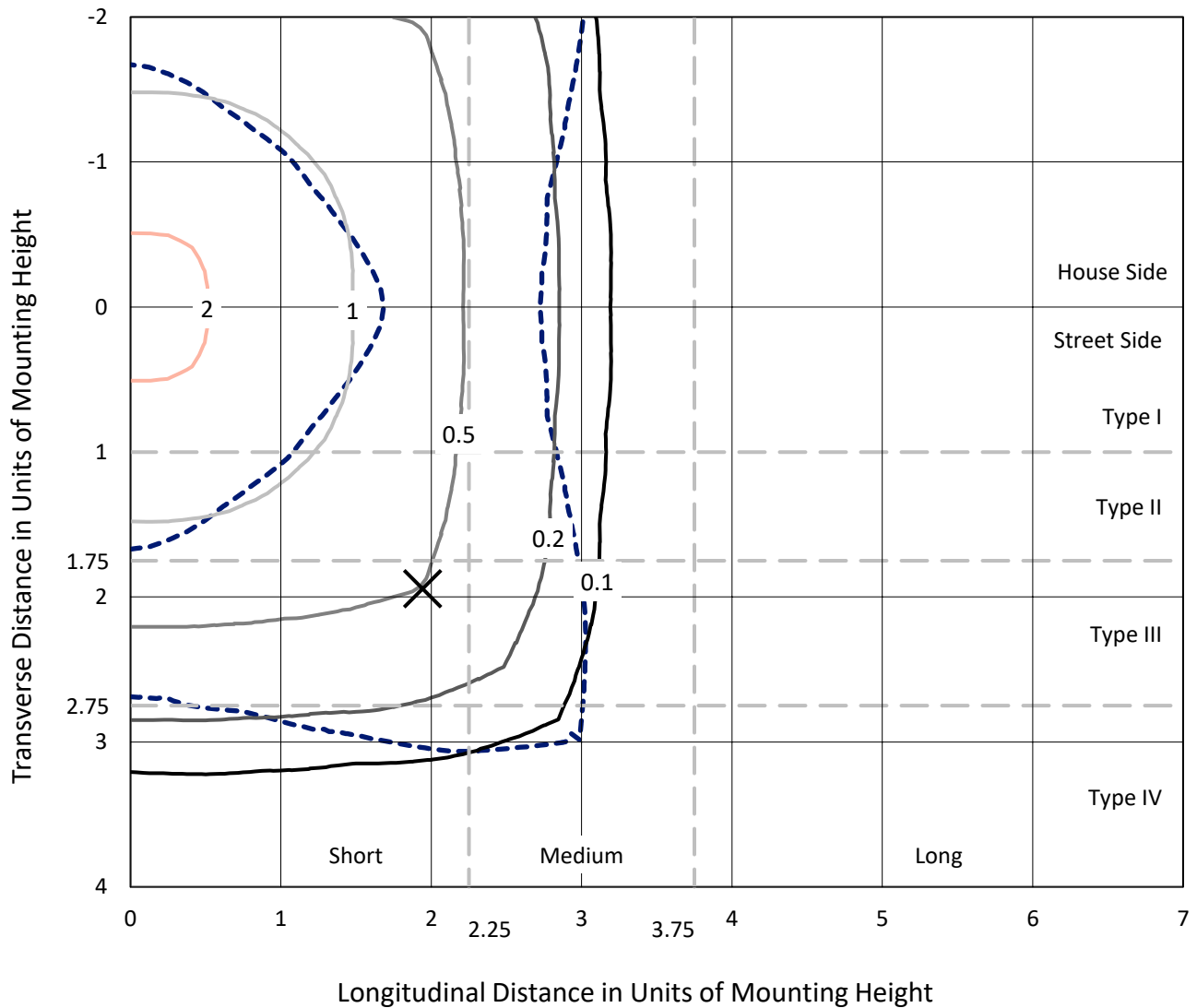
Lumens per Lamp: N/A  
Luminaire Lumens: 15899 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

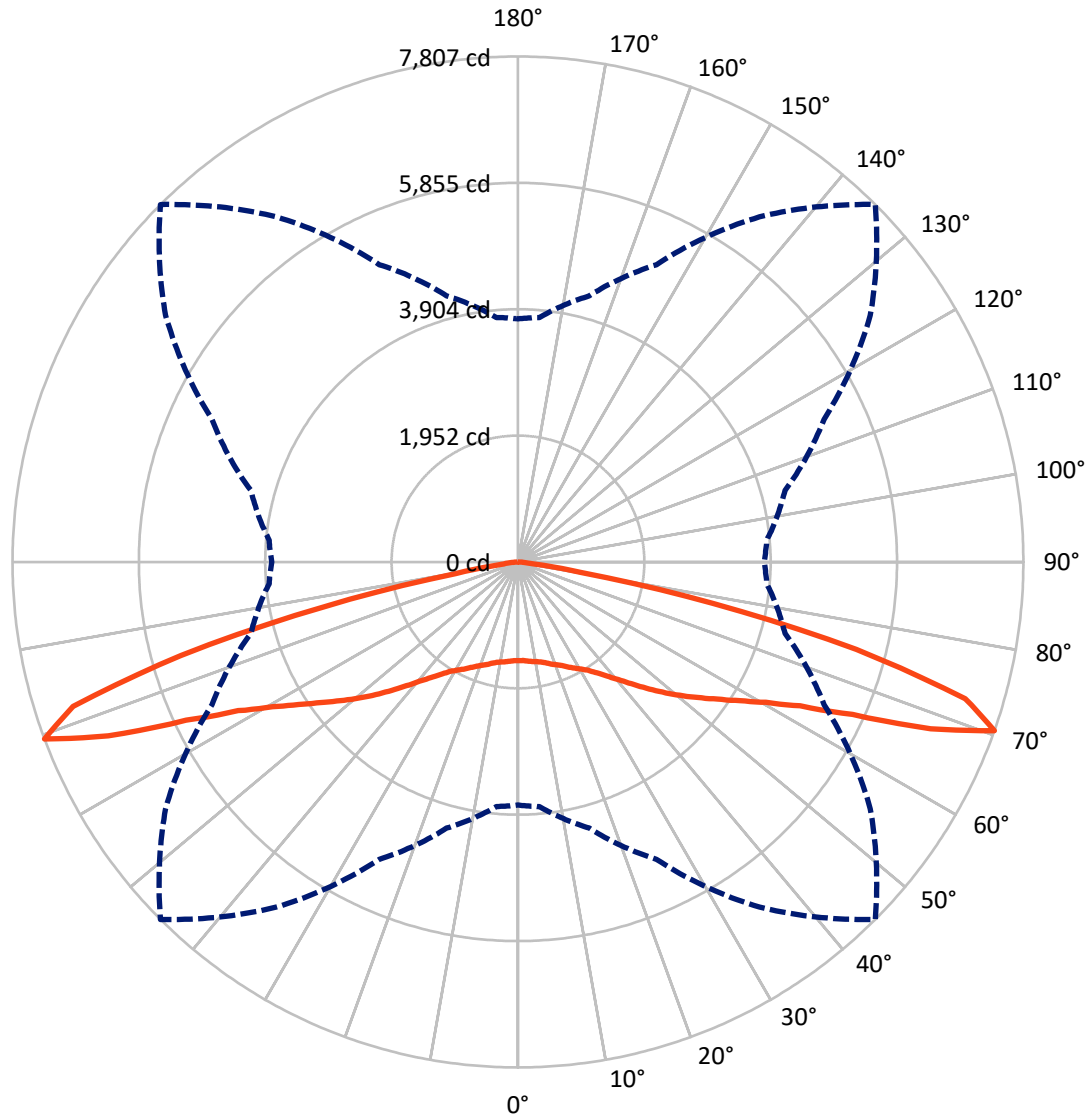
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	7949.5	0.0	7949.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7949.5	0.0	7949.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15899.0	0.0	15899.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.0	0.9
10°-20°	458.8	2.9
20°-30°	819.9	5.2
30°-40°	1329.1	8.4
40°-50°	2164.9	13.6
50°-60°	3300.7	20.8
60°-70°	4910.3	30.9
70°-80°	2676.3	16.8
80°-90°	91.1	0.6
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°	15899.0	100.0
0°-180°	15899.0	100.0



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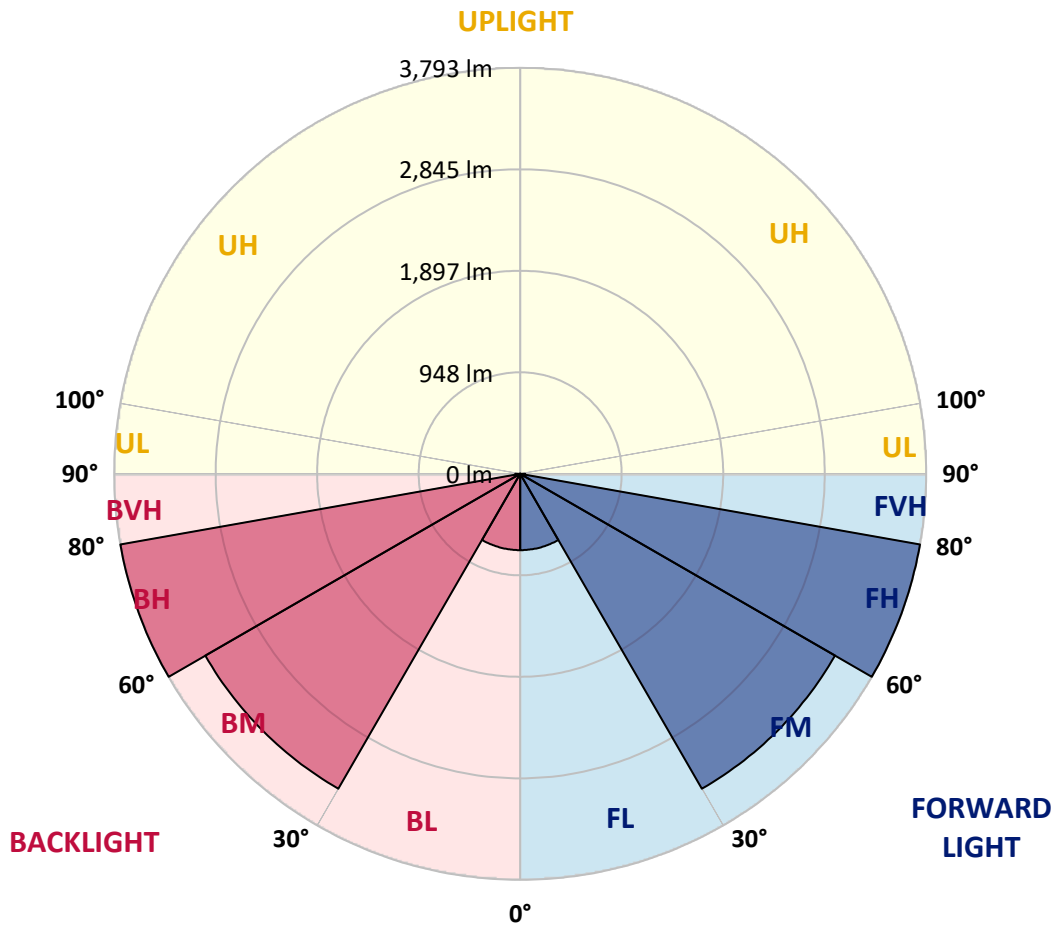
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.3	4.5			
FM (30°-60°)	3397.3	21.4			
FH (60°-80°)	3793.3	23.9			G2/5000
FVH (80°-90°)	45.6	0.3			G1/100
BL (0°-30°)	713.3	4.5	B2/1000		
BM (30°-60°)	3397.3	21.4	B3/5000		
BH (60°-80°)	3793.3	23.9	B4/5000		G2/5000
BVH (80°-90°)	45.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1523.0	1523.0	1523.0	1523.0	1523.0	1523.0	1523.0	1523.0	1523.0	1523.0
2.5°	1530.1	1531.7	1528.5	1527.0	1525.4	1523.0	1523.8	1527.7	1530.9	1530.1
5°	1542.9	1544.5	1542.1	1541.3	1538.1	1537.3	1537.3	1541.3	1543.7	1542.1
7.5°	1557.3	1559.7	1555.7	1554.9	1553.3	1551.7	1550.9	1554.9	1557.3	1557.3
10°	1570.9	1573.2	1570.1	1567.7	1566.1	1566.1	1564.5	1567.7	1571.6	1570.9
12.5°	1585.2	1586.8	1583.6	1582.0	1582.0	1584.4	1582.0	1583.6	1586.8	1585.2
15°	1602.8	1603.6	1602.8	1605.2	1609.2	1617.1	1610.0	1608.4	1610.0	1606.0
17.5°	1626.7	1628.3	1631.5	1637.1	1642.7	1657.1	1644.3	1640.3	1640.3	1632.3
20°	1656.3	1658.7	1663.4	1673.0	1680.2	1693.8	1681.0	1675.4	1673.0	1662.6
22.5°	1687.4	1691.4	1698.6	1711.3	1724.1	1736.9	1724.1	1714.5	1707.3	1693.8
25°	1723.3	1728.1	1739.3	1760.0	1777.6	1795.9	1780.8	1761.6	1747.3	1728.1
27.5°	1774.4	1780.0	1793.5	1819.1	1841.4	1857.4	1843.0	1818.3	1798.3	1775.2
30°	1846.2	1851.8	1867.8	1894.9	1910.1	1920.5	1910.9	1891.7	1867.8	1841.4
32.5°	1938.8	1946.0	1963.6	1989.1	1992.3	1993.9	1990.7	1981.1	1963.6	1931.6
35°	2056.2	2064.1	2084.1	2104.8	2101.7	2104.8	2100.1	2096.9	2084.1	2047.4
37.5°	2199.8	2209.4	2230.2	2246.1	2238.1	2234.2	2235.0	2235.7	2228.6	2187.9
40°	2366.7	2379.4	2394.6	2411.4	2397.8	2385.8	2393.8	2400.2	2393.8	2352.3
42.5°	2538.3	2556.6	2572.6	2596.5	2585.4	2570.2	2581.4	2588.6	2575.0	2530.3
45°	2729.0	2746.6	2767.3	2803.3	2795.3	2779.3	2795.3	2796.9	2773.7	2721.1
47.5°	2926.2	2944.5	2975.7	3023.6	3020.4	3002.8	3023.6	3012.4	2982.9	2919.8
50°	3113.0	3138.5	3186.4	3253.5	3259.8	3238.3	3266.2	3244.7	3195.2	3116.2
52.5°	3288.6	3315.7	3391.5	3482.5	3505.7	3477.7	3515.3	3477.7	3403.5	3302.1
55°	3473.0	3503.3	3593.5	3712.4	3758.7	3738.0	3773.1	3716.4	3611.0	3488.1
57.5°	3690.1	3708.4	3816.2	3957.5	4035.7	4040.5	4056.4	3960.7	3832.9	3693.3
60°	3925.5	3951.1	4068.4	4237.6	4361.3	4401.3	4384.5	4242.4	4094.0	3933.5
62.5°	4227.3	4255.2	4395.7	4598.4	4794.0	4892.9	4827.5	4621.6	4438.0	4245.6
65°	4477.1	4508.2	4762.0	5123.6	5479.6	5678.4	5513.9	5134.8	4804.3	4533.0
67.5°	4295.9	4334.2	4732.5	5396.6	6281.8	6874.9	6312.1	5478.0	4830.7	4462.7
70°	3754.7	3790.6	4255.2	5067.0	6507.7	7807.2	6643.4	5216.2	4270.4	3858.5
72.5°	2492.8	2608.5	3078.6	4052.4	5810.9	7224.5	5868.3	3970.2	2855.9	2487.2
75°	826.9	919.5	1240.4	2100.9	3892.0	5403.0	3705.2	1859.0	982.6	707.2
77.5°	208.3	240.3	331.3	601.0	1552.5	3076.3	1397.6	490.9	267.4	186.8
80°	101.4	111.7	159.6	200.3	388.7	977.8	364.8	188.4	126.1	97.4
82.5°	55.9	56.7	90.2	113.3	144.5	253.0	150.1	110.2	72.6	59.1
85°	34.3	33.5	47.9	60.7	60.7	90.2	71.8	60.7	41.5	36.7
87.5°	13.6	13.6	17.6	19.2	16.8	23.1	18.4	20.0	16.0	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1523.0
1530.9
1542.9
1557.3
1570.9
1584.4
1606.0
1632.3
1662.6
1693.0
1727.3
1774.4
1841.4
1932.4
2047.4
2187.9
2352.3
2533.5
2726.6
2915.8
3114.6
3292.6
3471.4
3674.1
3908.0
4212.1
4488.3
4407.6
3803.4
2406.6
668.9
166.8
89.4
59.1
38.3
16.0
0.0

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