

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: P948215

Luminaire Tested: **GALN-SB3B-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948215  
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-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

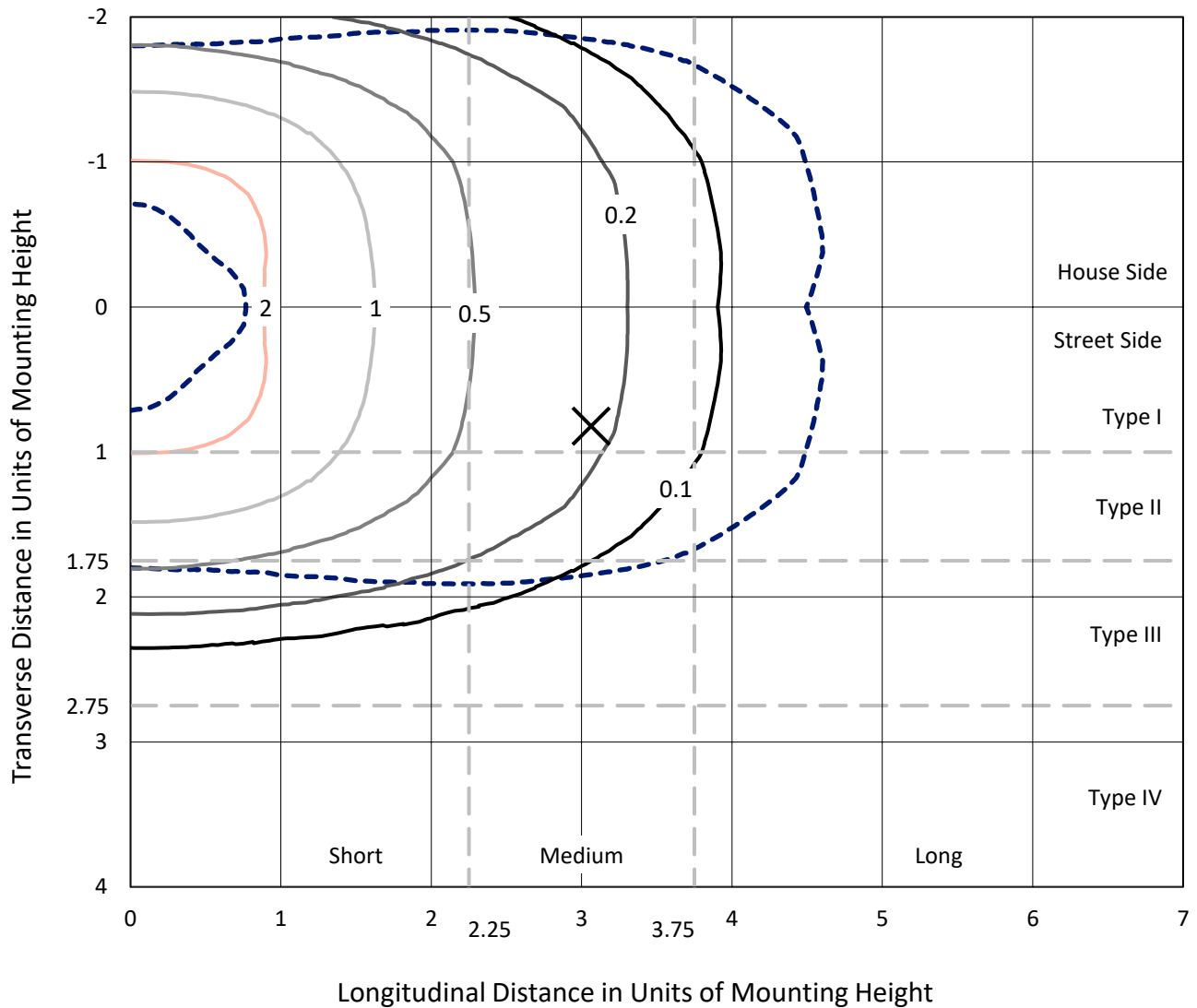
Lumens per Lamp: N/A  
Luminaire Lumens: 15633 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

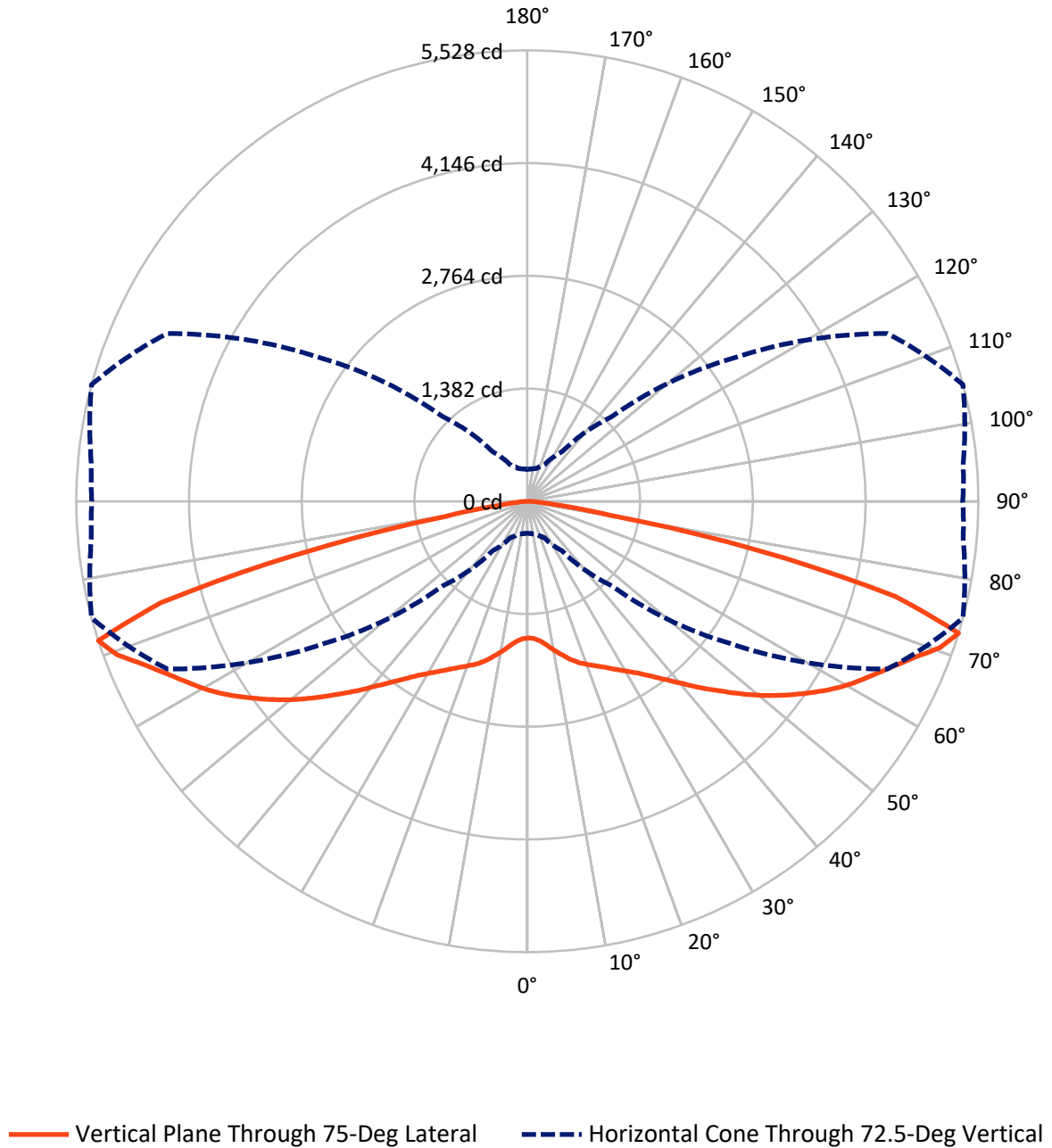
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	7816.5	0.0	7816.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7816.5	0.0	7816.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15633.0	0.0	15633.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	1.0
10°-20°	541.0	3.5
20°-30°	1045.4	6.7
30°-40°	1765.3	11.3
40°-50°	2799.5	17.9
50°-60°	3748.3	24.0
60°-70°	3567.1	22.8
70°-80°	1861.4	11.9
80°-90°	140.9	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°	15633.0	100.0
0°-180°	15633.0	100.0



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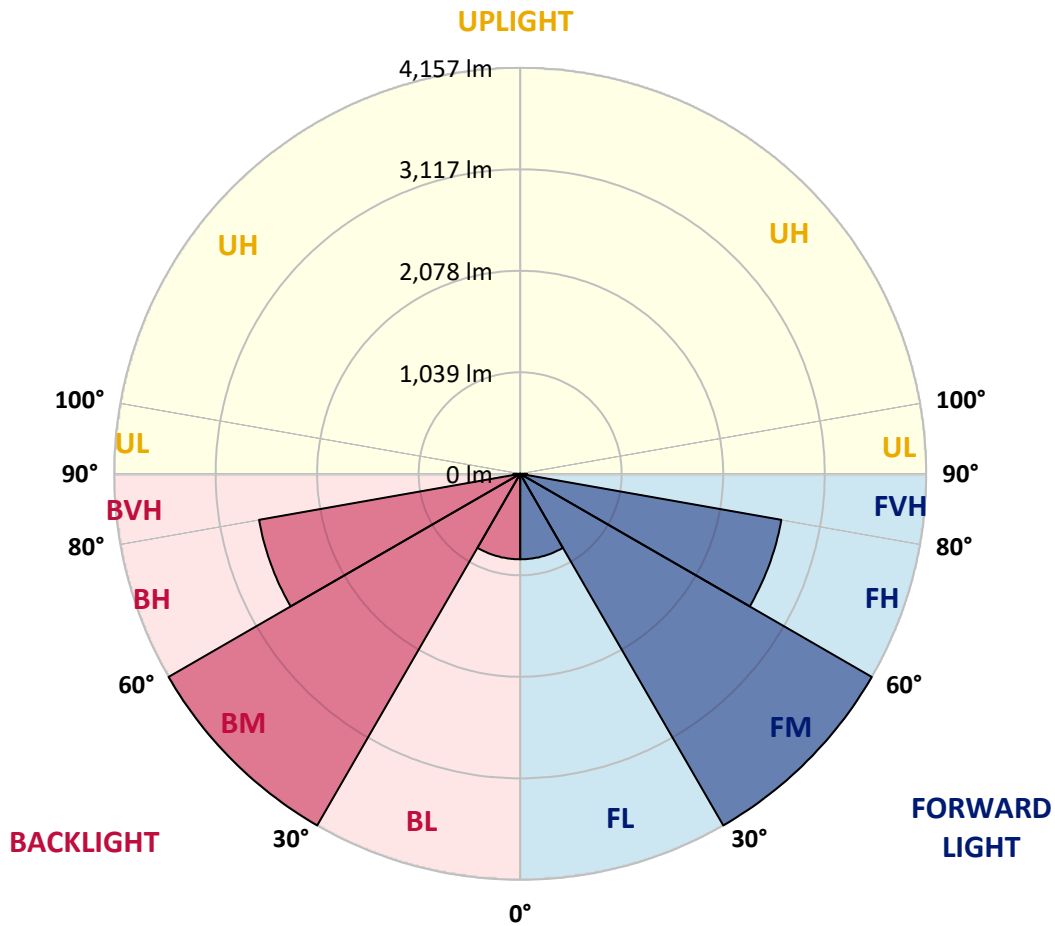
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	875.3	5.6			
FM (30°-60°)	4156.5	26.6			
FH (60°-80°)	2714.3	17.4			G2/5000
FVH (80°-90°)	70.4	0.5			G1/100
BL (0°-30°)	875.3	5.6	B2/1000		
BM (30°-60°)	4156.5	26.6	B3/5000		
BH (60°-80°)	2714.3	17.4	B4/5000		G4/5000
BVH (80°-90°)	70.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1674.6	1674.6	1674.6	1674.6	1674.6	1674.6	1674.6	1674.6	1674.6	1674.6
2.5°	1674.6	1673.0	1674.6	1676.2	1675.4	1675.4	1679.4	1681.8	1686.5	1685.7
5°	1663.4	1662.6	1669.0	1676.2	1681.8	1691.3	1703.3	1712.1	1723.3	1725.7
7.5°	1657.8	1655.4	1666.6	1679.4	1696.9	1720.9	1744.0	1768.0	1787.1	1793.5
10°	1661.8	1662.6	1677.8	1701.7	1729.6	1763.2	1795.9	1836.6	1863.7	1870.1
12.5°	1680.2	1678.6	1704.1	1742.4	1780.7	1823.0	1861.3	1906.0	1935.6	1950.7
15°	1713.7	1710.5	1746.4	1803.1	1859.0	1908.4	1939.6	1981.9	2016.2	2035.3
17.5°	1753.6	1755.2	1802.3	1875.7	1949.1	2005.0	2034.6	2056.1	2082.4	2099.2
20°	1823.8	1827.0	1879.7	1966.7	2050.5	2114.4	2138.3	2130.3	2137.5	2150.3
22.5°	1918.0	1919.6	1978.7	2072.9	2160.7	2230.9	2246.9	2214.1	2194.2	2203.0
25°	2027.4	2037.7	2096.8	2193.4	2283.6	2350.6	2357.8	2308.3	2258.8	2261.2
27.5°	2160.7	2170.2	2230.1	2325.9	2417.7	2475.9	2475.1	2408.9	2336.3	2317.9
30°	2305.1	2315.5	2377.0	2475.9	2561.3	2612.4	2601.3	2522.2	2418.5	2384.2
32.5°	2476.7	2483.1	2545.4	2644.4	2723.4	2764.1	2740.9	2643.6	2514.3	2475.1
35°	2684.3	2693.8	2740.1	2833.5	2903.0	2936.5	2897.4	2782.4	2637.2	2593.3
37.5°	2921.3	2914.9	2967.6	3050.6	3108.1	3128.9	3075.4	2938.9	2777.7	2725.8
40°	3168.8	3165.6	3223.0	3302.9	3334.0	3346.8	3267.7	3118.5	2939.7	2883.8
42.5°	3393.0	3390.7	3468.1	3556.7	3594.2	3579.8	3480.0	3309.2	3127.3	3063.4
45°	3572.6	3569.4	3664.4	3788.9	3862.4	3838.4	3704.3	3520.0	3317.2	3251.0
47.5°	3710.7	3712.3	3814.5	3968.5	4097.0	4105.8	3933.4	3734.7	3526.3	3451.3
50°	3810.5	3815.3	3924.6	4095.4	4271.0	4348.5	4167.3	3955.0	3742.6	3658.0
52.5°	3835.2	3844.0	3975.7	4176.1	4382.8	4530.4	4405.1	4166.5	3947.8	3867.2
55°	3703.5	3721.1	3887.9	4169.7	4451.4	4650.2	4614.3	4381.2	4154.5	4071.5
57.5°	3401.0	3425.8	3620.5	3988.5	4436.3	4732.4	4776.3	4587.1	4361.2	4281.4
60°	2977.2	3006.7	3193.5	3595.0	4222.4	4762.7	4890.4	4787.5	4551.2	4473.8
62.5°	2337.9	2376.2	2599.7	3070.6	3770.6	4621.4	4987.8	4968.6	4722.0	4625.4
65°	1499.8	1540.5	1775.9	2332.3	3168.0	4188.8	5018.1	5145.0	4902.4	4767.5
67.5°	904.3	922.7	1039.2	1413.6	2315.5	3536.7	4761.1	5340.6	5113.1	4945.5
70°	578.7	589.1	658.5	830.1	1309.0	2580.5	4124.2	5377.3	5368.5	5128.3
72.5°	392.7	395.9	414.3	491.7	740.7	1466.3	3041.9	4868.1	5528.2	5363.7
75°	287.3	304.9	334.4	348.0	420.6	732.7	1743.2	3420.2	4659.0	4730.8
77.5°	213.9	214.7	255.4	271.4	300.1	390.3	737.5	1909.2	2892.6	3037.1
80°	181.2	171.6	170.8	218.7	225.9	243.4	329.6	659.3	1036.0	628.2
82.5°	150.9	140.5	126.9	170.8	154.0	149.3	142.9	268.2	329.6	162.0
85°	105.4	100.6	95.8	111.7	87.8	75.0	68.6	125.3	138.9	68.6
87.5°	45.5	47.1	47.9	49.5	36.7	26.3	26.3	35.1	35.1	27.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1674.6
1685.0
1725.7
1795.1
1876.5
1957.1
2042.5
2107.2
2159.9
2209.4
2265.2
2323.5
2388.1
2484.7
2599.7
2735.4
2902.2
3079.4
3266.1
3473.7
3683.6
3887.9
4094.6
4299.8
4490.5
4636.6
4784.3
4958.3
5126.7
5338.2
4556.8
2709.0
474.9
138.1
60.7
20.0
0.0

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