

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: P955712

Luminaire Tested: **GALN-SB8C-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955712  
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-SB8C-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

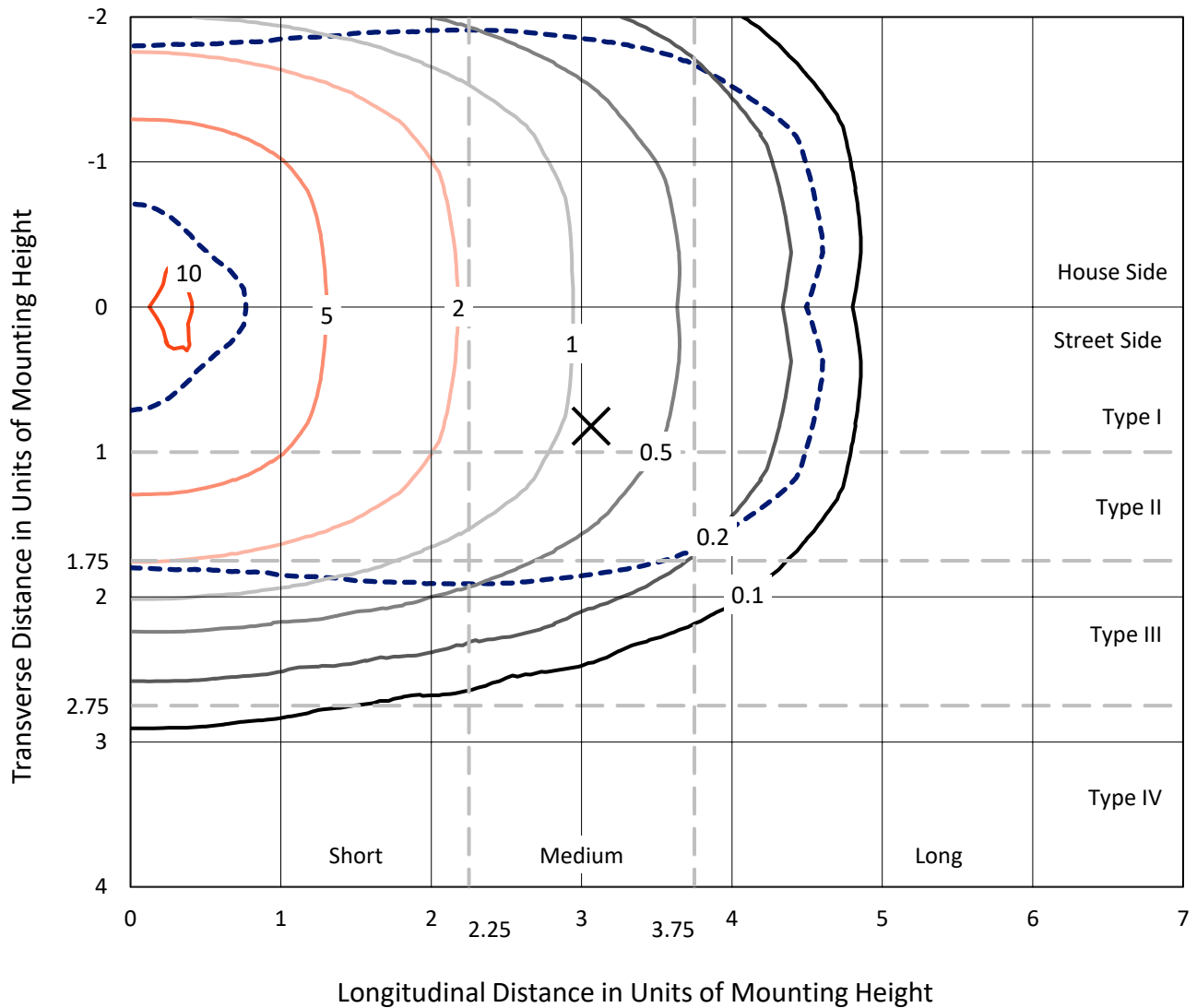
Lumens per Lamp: N/A  
Luminaire Lumens: 56033 lumens  
Efficiency: N/A  
Efficacy: 140.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

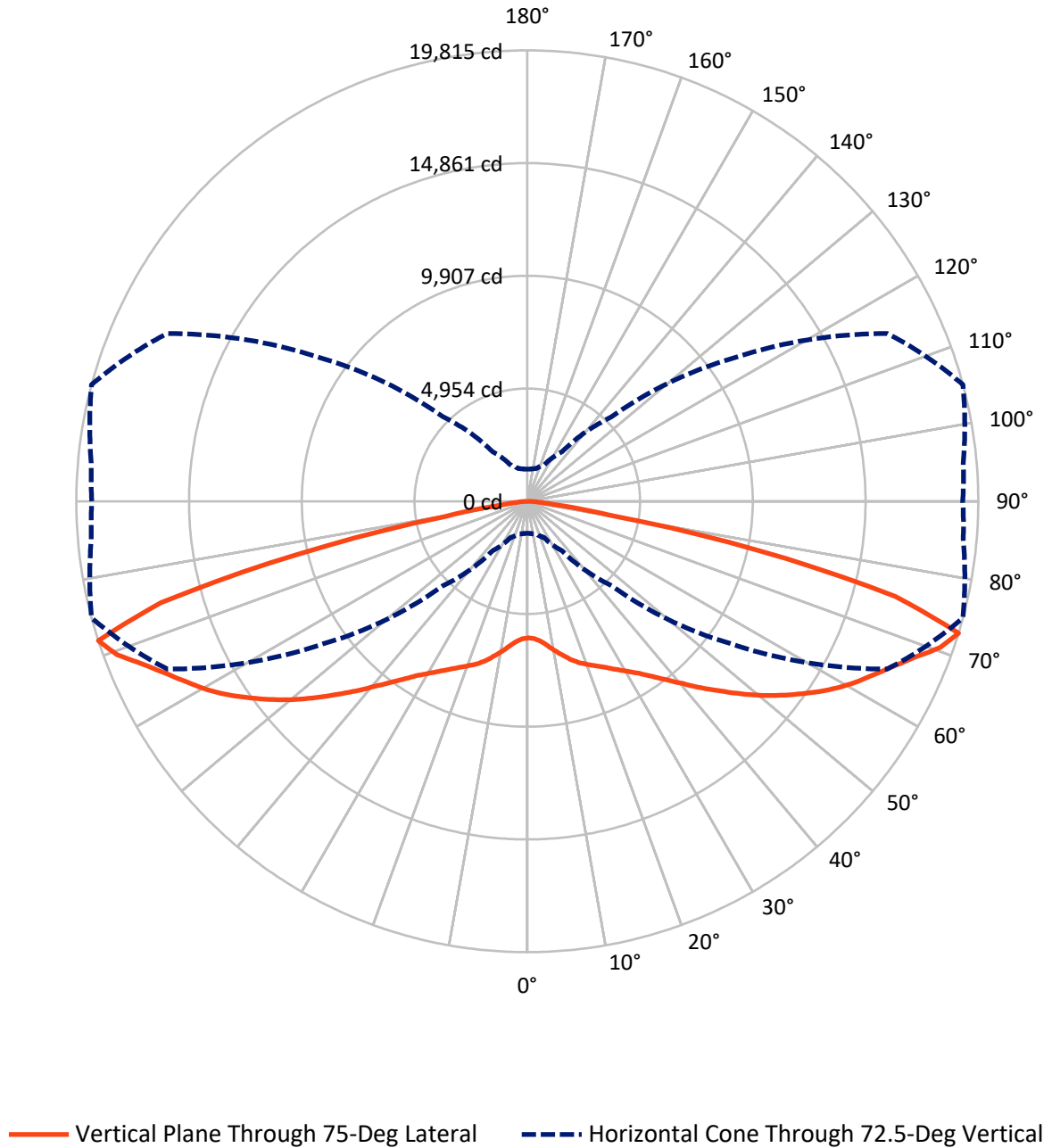
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	28016.5	0.0	28016.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28016.5	0.0	28016.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56033.0	0.0	56033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	588.0	1.0
10°-20°	1939.2	3.5
20°-30°	3747.1	6.7
30°-40°	6327.2	11.3
40°-50°	10034.3	17.9
50°-60°	13434.8	24.0
60°-70°	12785.6	22.8
70°-80°	6671.7	11.9
80°-90°	505.0	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°	56033.0	100.0
0°-180°	56033.0	100.0

**Coefficient of Utilization**



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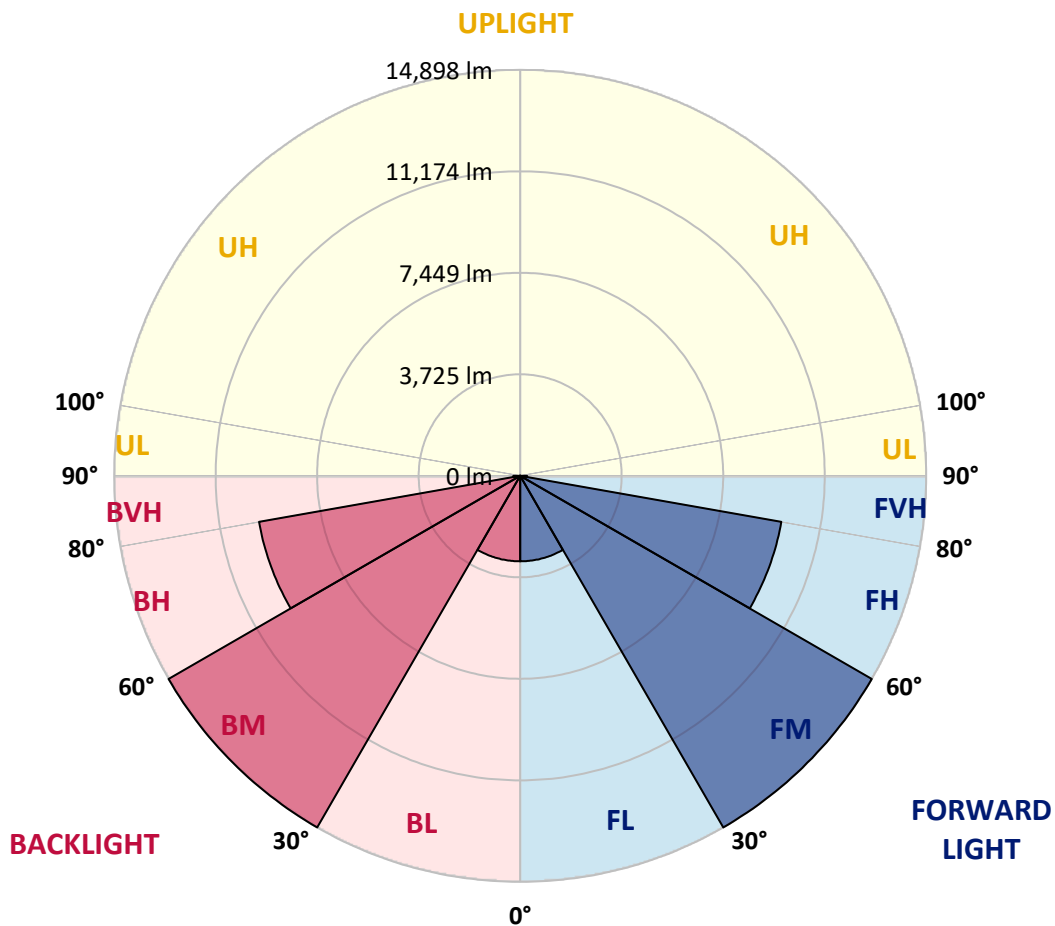
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3137.2	5.6			
FM (30°-60°)	14898.2	26.6			
FH (60°-80°)	9728.7	17.4			G4/12000
FVH (80°-90°)	252.5	0.5			G3/500
BL (0°-30°)	3137.2	5.6	B4/5000		
BM (30°-60°)	14898.2	26.6	B5		
BH (60°-80°)	9728.7	17.4	B5		G5
BVH (80°-90°)	252.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6002.1	6002.1	6002.1	6002.1	6002.1	6002.1	6002.1	6002.1	6002.1	6002.1
2.5°	6002.1	5996.4	6002.1	6007.9	6005.0	6005.0	6019.3	6027.9	6045.1	6042.2
5°	5962.1	5959.2	5982.1	6007.9	6027.9	6062.2	6105.1	6136.6	6176.7	6185.2
7.5°	5942.1	5933.5	5973.5	6019.3	6082.2	6168.1	6251.0	6336.9	6405.5	6428.4
10°	5956.4	5959.2	6013.6	6099.4	6199.5	6319.7	6437.0	6582.9	6680.2	6703.1
12.5°	6022.2	6016.4	6108.0	6245.3	6382.6	6534.3	6671.6	6831.8	6937.6	6992.0
15°	6142.3	6130.9	6259.6	6462.7	6663.0	6840.4	6952.0	7103.6	7226.6	7295.3
17.5°	6285.4	6291.1	6459.9	6723.1	6986.3	7186.5	7292.4	7369.6	7464.0	7524.1
20°	6537.1	6548.6	6737.4	7049.2	7349.6	7578.5	7664.3	7635.7	7661.5	7707.2
22.5°	6874.7	6880.4	7092.1	7429.7	7744.4	7996.2	8053.4	7936.1	7864.6	7896.0
25°	7266.6	7303.8	7515.5	7861.7	8185.0	8425.3	8451.1	8273.7	8096.3	8104.9
27.5°	7744.4	7778.7	7993.3	8336.6	8665.6	8874.5	8871.6	8634.2	8373.8	8308.0
30°	8262.2	8299.4	8519.7	8874.5	9180.6	9363.7	9323.6	9040.4	8668.5	8545.5
32.5°	8877.3	8900.2	9123.4	9478.1	9761.3	9907.2	9824.3	9475.3	9011.8	8871.6
35°	9621.2	9655.5	9821.4	10156.1	10405.0	10525.2	10385.0	9973.0	9452.4	9295.0
37.5°	10470.8	10448.0	10636.8	10934.3	11140.3	11214.7	11023.0	10533.8	9955.9	9769.9
40°	11357.7	11346.3	11552.3	11838.3	11949.9	11995.7	11712.5	11177.5	10536.6	10336.4
42.5°	12161.6	12153.0	12430.5	12748.1	12882.6	12831.1	12473.5	11861.2	11208.9	10980.1
45°	12805.3	12793.9	13134.3	13580.6	13843.8	13758.0	13277.4	12616.5	11889.8	11652.4
47.5°	13300.3	13306.0	13672.2	14224.3	14684.9	14716.4	14098.4	13386.1	12639.4	12370.5
50°	13657.9	13675.0	14067.0	14679.2	15308.6	15586.1	14936.7	14175.7	13414.7	13111.4
52.5°	13746.6	13778.0	14250.1	14968.2	15709.1	16238.4	15789.2	14933.8	14149.9	13861.0
55°	13274.5	13337.4	13935.4	14945.3	15955.2	16667.5	16538.8	15703.4	14890.9	14593.4
57.5°	12190.2	12278.9	12977.0	14295.8	15900.8	16962.2	17119.5	16441.5	15631.9	15345.8
60°	10671.1	10777.0	11446.4	12885.4	15134.1	17070.9	17528.6	17159.6	16312.8	16035.3
62.5°	8379.5	8516.9	9317.9	11005.8	13514.8	16564.5	17877.7	17809.0	16925.0	16578.8
65°	5375.6	5521.5	6365.5	8359.5	11354.9	15013.9	17986.4	18441.3	17571.6	17088.1
67.5°	3241.4	3307.2	3724.9	5066.6	8299.4	12676.6	17065.2	19142.2	18326.8	17726.0
70°	2074.1	2111.3	2360.2	2975.3	4691.9	9249.2	14782.2	19273.8	19242.3	18381.2
72.5°	1407.6	1419.0	1484.8	1762.3	2654.9	5255.4	10902.8	17448.5	19814.5	19225.1
75°	1029.9	1092.9	1198.7	1247.3	1507.7	2626.3	6248.2	12258.9	16699.0	16956.5
77.5°	766.7	769.6	915.5	972.7	1075.7	1399.0	2643.5	6843.2	10367.8	10885.7
80°	649.4	615.1	612.2	783.9	809.6	872.6	1181.5	2363.1	3713.4	2251.5
82.5°	540.7	503.5	454.9	612.2	552.2	535.0	512.1	961.3	1181.5	580.8
85°	377.6	360.5	343.3	400.5	314.7	268.9	246.0	449.2	497.8	246.0
87.5°	163.1	168.8	171.7	177.4	131.6	94.4	94.4	125.9	125.9	97.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6002.1
6039.3
6185.2
6434.1
6725.9
7014.9
7321.0
7552.7
7741.6
7918.9
8119.2
8328.0
8559.8
8905.9
9317.9
9804.3
10402.2
11037.3
11706.7
12450.6
13203.0
13935.4
14676.3
15411.6
16095.3
16618.9
17148.1
17771.8
18375.5
19133.6
16332.8
9709.8
1702.2
494.9
217.4
71.5
0.0

OF REPORT)