

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: P955250

Luminaire Tested: **GALN-SB8B-735-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955250  
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-SB8B-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

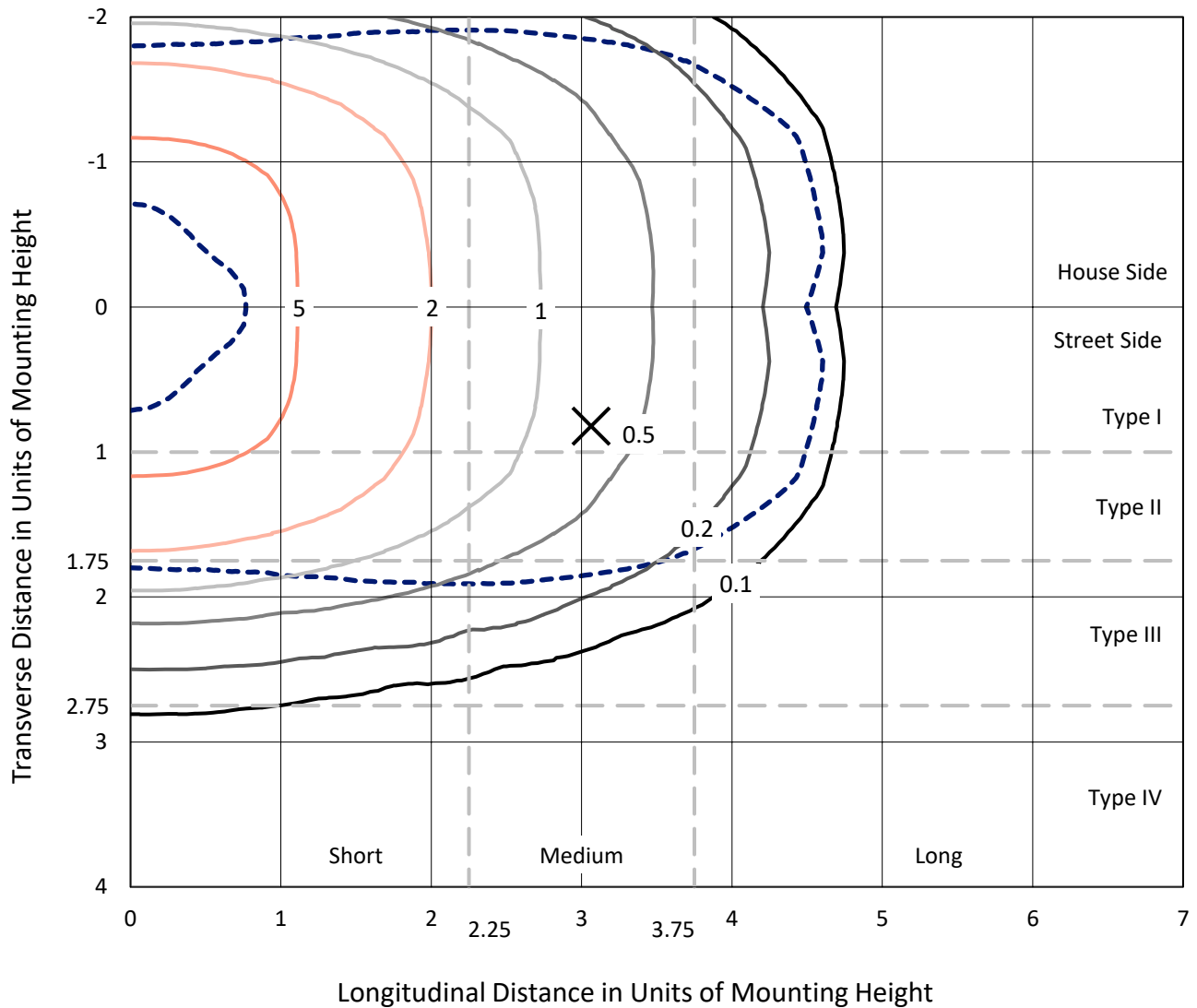
Lumens per Lamp: N/A  
Luminaire Lumens: 46888 lumens  
Efficiency: N/A  
Efficacy: 160.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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

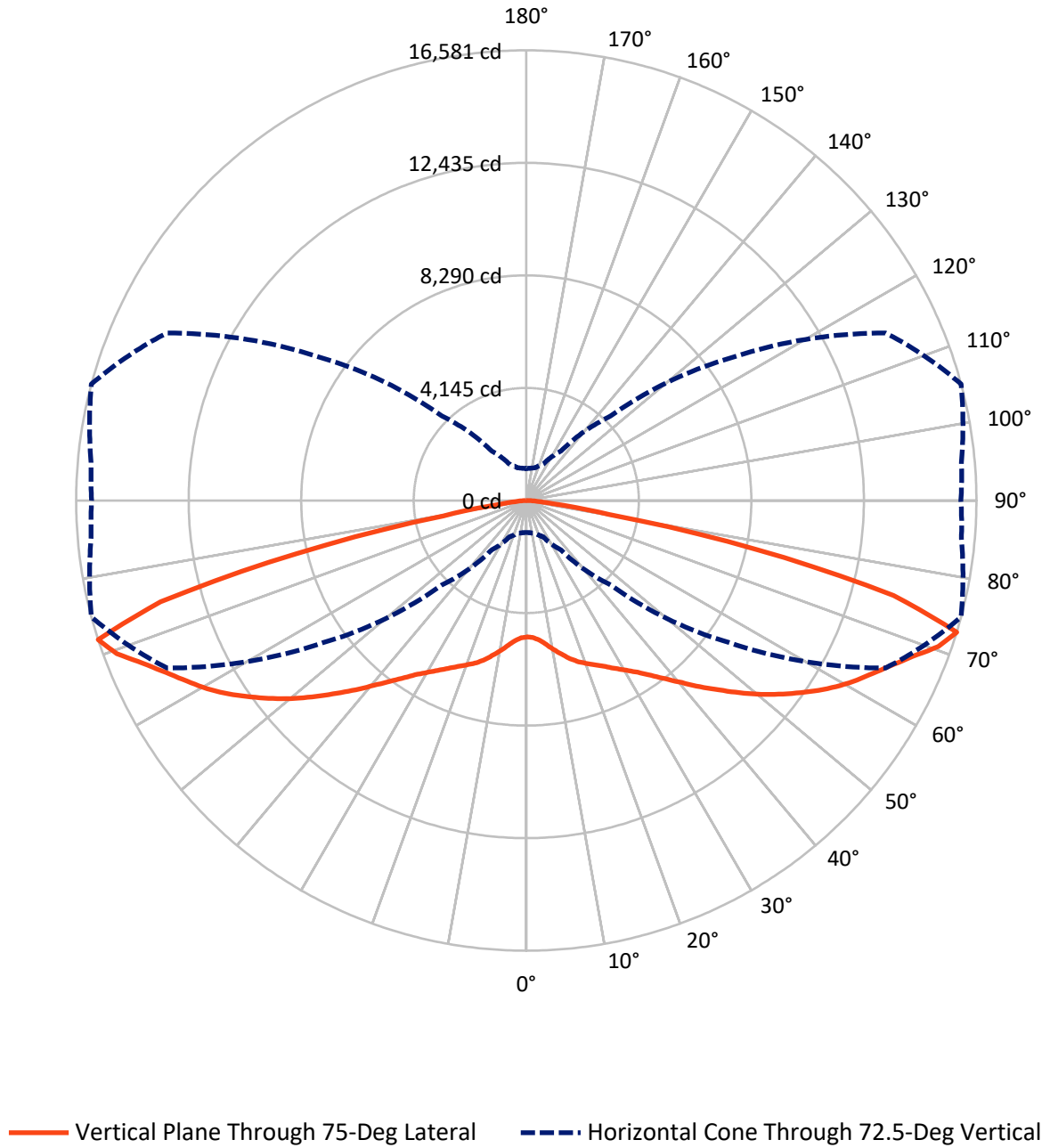
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	23444.0	0.0	23444.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23444.0	0.0	23444.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46888.0	0.0	46888.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	492.0	1.0
10°-20°	1622.7	3.5
20°-30°	3135.6	6.7
30°-40°	5294.6	11.3
40°-50°	8396.6	17.9
50°-60°	11242.1	24.0
60°-70°	10698.9	22.8
70°-80°	5582.9	11.9
80°-90°	422.6	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°	46888.0	100.0
0°-180°	46888.0	100.0

**Coefficient of Utilization**



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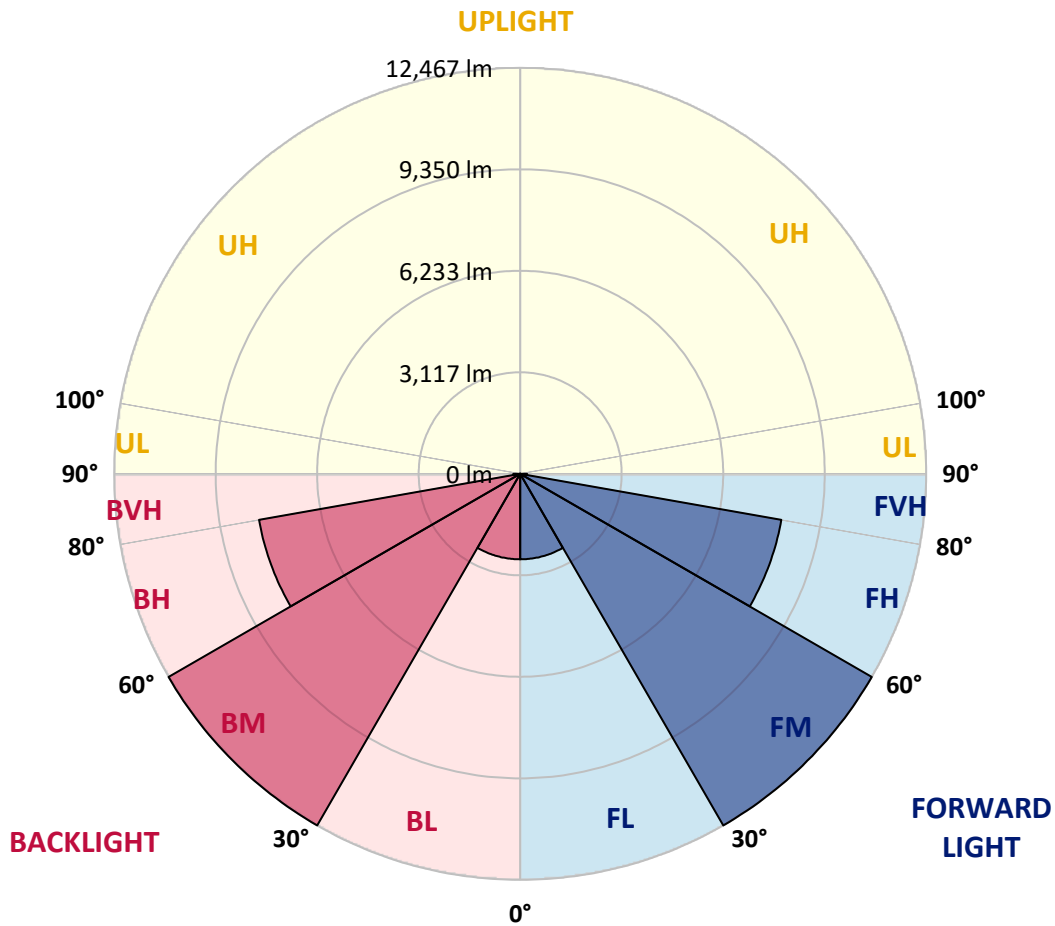
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2625.1	5.6			
FM (30°-60°)	12466.7	26.6			
FH (60°-80°)	8140.9	17.4			G4/12000
FVH (80°-90°)	211.3	0.5			G2/225
BL (0°-30°)	2625.1	5.6	B4/5000		
BM (30°-60°)	12466.7	26.6	B5		
BH (60°-80°)	8140.9	17.4	B5		G5
BVH (80°-90°)	211.3	0.5			G2/225
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°	5022.5	5022.5	5022.5	5022.5	5022.5	5022.5	5022.5	5022.5	5022.5	5022.5
2.5°	5022.5	5017.8	5022.5	5027.3	5024.9	5024.9	5036.9	5044.1	5058.5	5056.1
5°	4989.0	4986.6	5005.8	5027.3	5044.1	5072.8	5108.7	5135.1	5168.6	5175.8
7.5°	4972.3	4965.1	4998.6	5036.9	5089.6	5161.4	5230.8	5302.6	5360.1	5379.2
10°	4984.2	4986.6	5032.1	5103.9	5187.7	5288.3	5386.4	5508.5	5589.9	5609.1
12.5°	5039.3	5034.5	5111.1	5226.0	5340.9	5467.8	5582.7	5716.8	5805.4	5850.9
15°	5139.8	5130.3	5238.0	5408.0	5575.6	5724.0	5817.3	5944.2	6047.2	6104.6
17.5°	5259.5	5264.3	5405.6	5625.8	5846.1	6013.6	6102.2	6166.9	6245.9	6296.1
20°	5470.2	5479.8	5637.8	5898.7	6150.1	6341.6	6413.4	6389.5	6411.0	6449.3
22.5°	5752.7	5757.5	5934.6	6217.1	6480.5	6691.1	6739.0	6640.9	6581.0	6607.4
25°	6080.7	6111.8	6289.0	6578.6	6849.1	7050.2	7071.8	6923.4	6774.9	6782.1
27.5°	6480.5	6509.2	6688.7	6976.0	7251.3	7426.1	7423.7	7225.0	7007.1	6952.1
30°	6913.8	6944.9	7129.2	7426.1	7682.2	7835.5	7801.9	7564.9	7253.7	7150.8
32.5°	7428.5	7447.6	7634.4	7931.2	8168.2	8290.3	8220.9	7928.8	7541.0	7423.7
35°	8050.9	8079.6	8218.5	8498.6	8706.9	8807.4	8690.1	8345.4	7909.7	7778.0
37.5°	8761.9	8742.8	8900.8	9149.7	9322.1	9384.4	9224.0	8814.6	8331.0	8175.4
40°	9504.1	9494.5	9666.8	9906.2	9999.6	10037.9	9800.9	9353.2	8817.0	8649.4
42.5°	10176.8	10169.6	10401.8	10667.5	10780.0	10736.9	10437.7	9925.4	9379.6	9188.0
45°	10715.4	10705.8	10990.7	11364.2	11584.4	11512.6	11110.4	10557.4	9949.3	9750.6
47.5°	11129.6	11134.3	11440.8	11902.8	12288.2	12314.6	11797.5	11201.4	10576.5	10351.5
50°	11428.8	11443.2	11771.1	12283.4	12810.1	13042.3	12498.9	11862.1	11225.3	10971.6
52.5°	11503.0	11529.3	11924.4	12525.2	13145.3	13588.2	13212.3	12496.5	11840.6	11598.8
55°	11108.0	11160.7	11661.0	12506.1	13351.2	13947.3	13839.5	13140.5	12460.6	12211.6
57.5°	10200.7	10274.9	10859.0	11962.7	13305.7	14193.8	14325.5	13758.1	13080.6	12841.2
60°	8929.5	9018.1	9578.3	10782.4	12664.1	14284.8	14667.8	14359.0	13650.4	13418.2
62.5°	7011.9	7126.8	7797.2	9209.6	11309.1	13861.1	14959.9	14902.4	14162.7	13873.0
65°	4498.3	4620.4	5326.6	6995.2	9501.7	12563.5	15050.9	15431.5	14703.7	14299.2
67.5°	2712.4	2767.4	3116.9	4239.7	6944.9	10607.7	14280.0	16018.0	15335.8	14833.0
70°	1735.6	1766.7	1975.0	2489.7	3926.1	7739.7	12369.6	16128.2	16101.8	15381.2
72.5°	1177.8	1187.4	1242.5	1474.7	2221.6	4397.7	9123.4	14600.8	16580.6	16087.5
75°	861.8	914.5	1003.1	1043.8	1261.6	2197.7	5228.4	10258.2	13973.6	14189.0
77.5°	641.6	644.0	766.1	813.9	900.1	1170.7	2212.0	5726.4	8675.7	9109.0
80°	543.4	514.7	512.3	655.9	677.5	730.2	988.7	1977.4	3107.4	1884.1
82.5°	452.5	421.3	380.6	512.3	462.0	447.7	428.5	804.4	988.7	486.0
85°	316.0	301.6	287.3	335.2	263.3	225.0	205.9	375.9	416.6	205.9
87.5°	136.5	141.2	143.6	148.4	110.1	79.0	79.0	105.3	105.3	81.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5022.5
5053.7
5175.8
5384.0
5628.2
5870.0
6126.2
6320.1
6478.1
6626.5
6794.1
6968.8
7162.8
7452.4
7797.2
8204.1
8704.5
9235.9
9796.1
10418.5
11048.2
11661.0
12281.1
12896.3
13468.5
13906.6
14349.4
14871.3
15376.5
16010.9
13667.2
8125.1
1424.4
414.2
181.9
59.8
0.0

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