

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: P955859

Luminaire Tested: **GALN-SB8C-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955859  
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-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

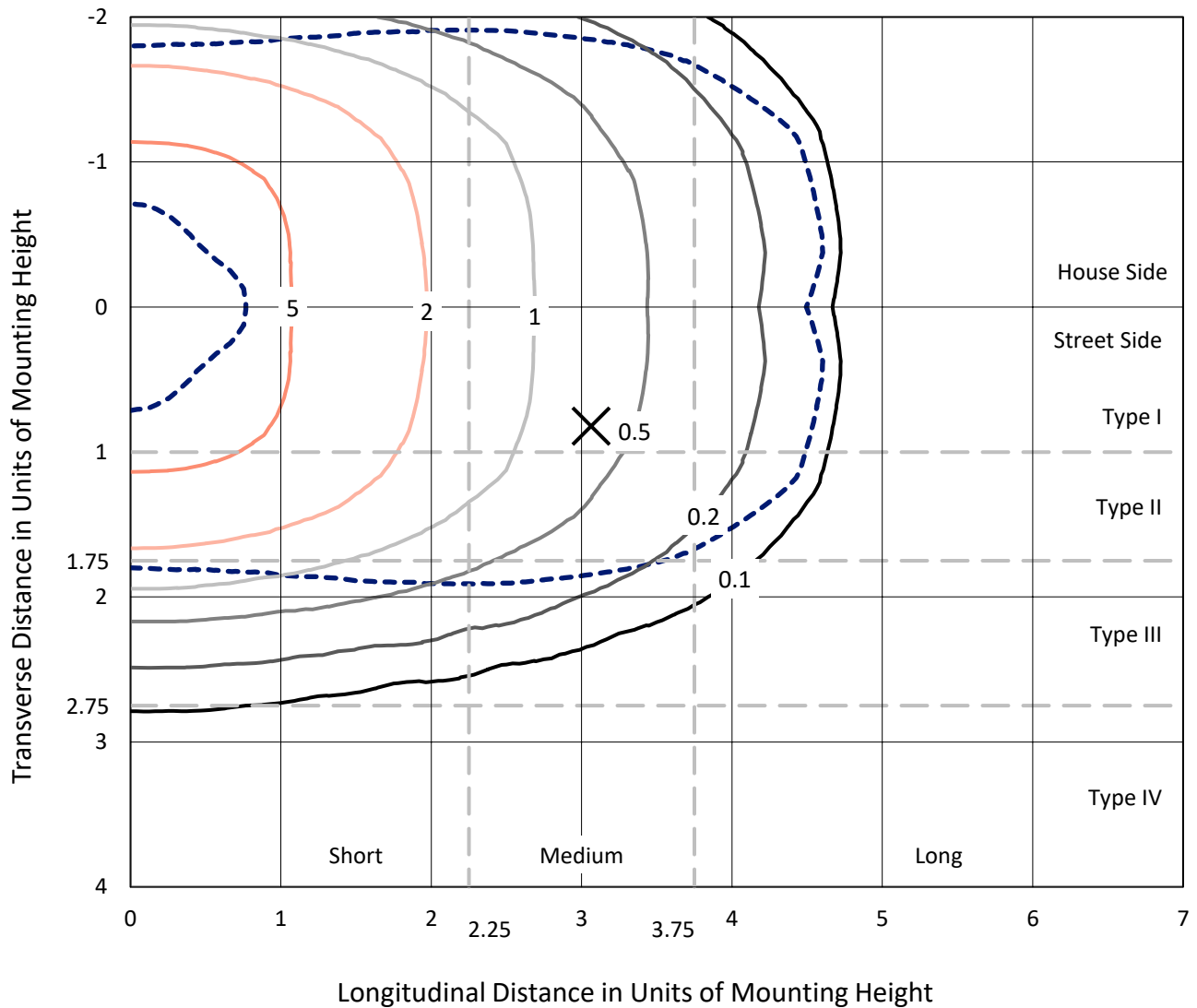
Lumens per Lamp: N/A  
Luminaire Lumens: 45188 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

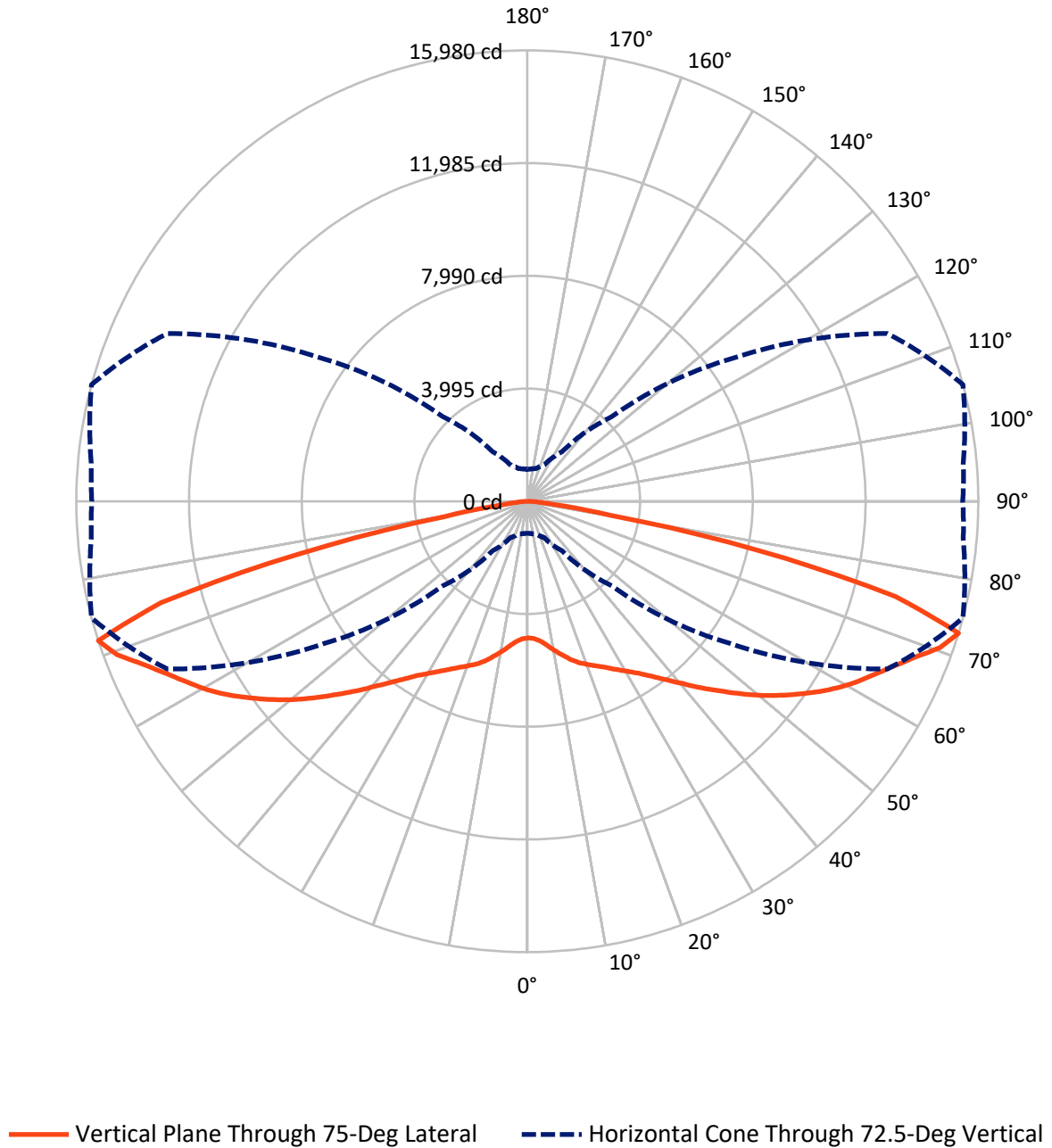
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	22594.0	0.0	22594.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22594.0	0.0	22594.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45188.0	0.0	45188.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.2	1.0
10°-20°	1563.9	3.5
20°-30°	3021.9	6.7
30°-40°	5102.6	11.3
40°-50°	8092.2	17.9
50°-60°	10834.5	24.0
60°-70°	10311.0	22.8
70°-80°	5380.4	11.9
80°-90°	407.3	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°	45188.0	100.0
0°-180°	45188.0	100.0



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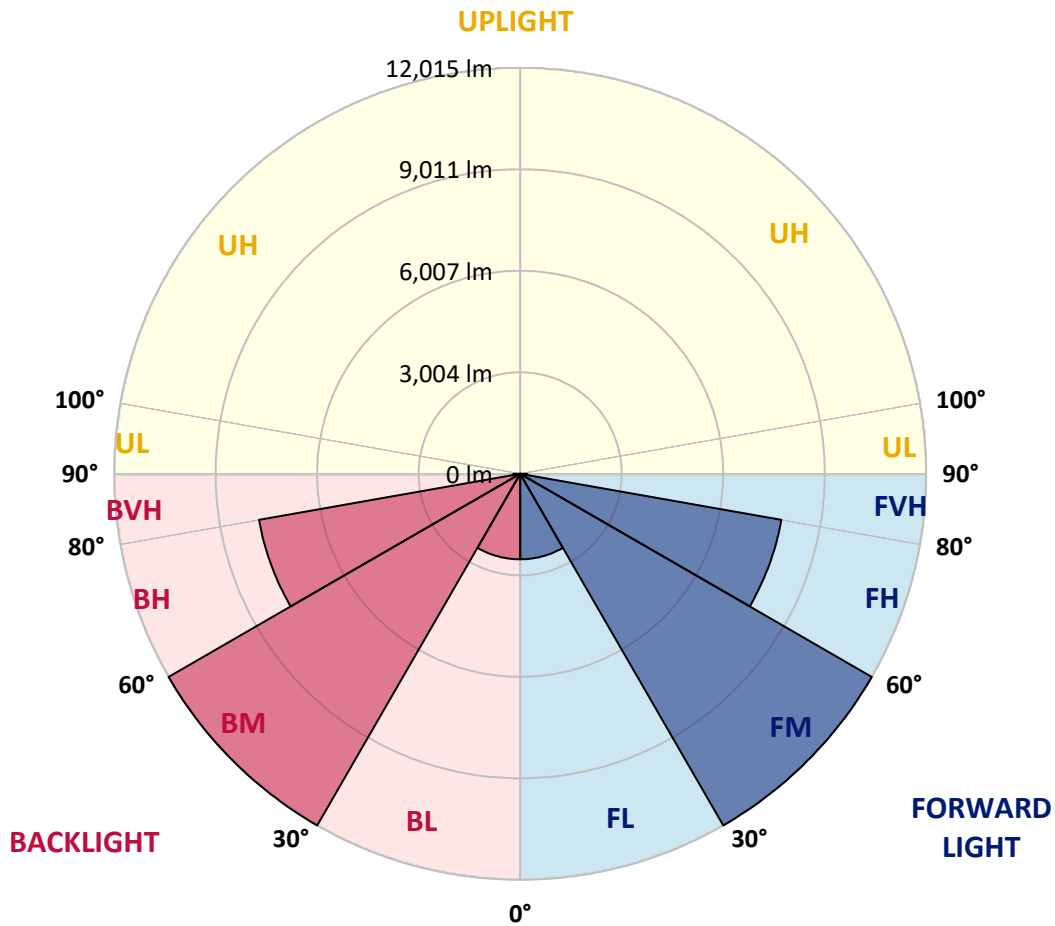
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.0	5.6			
FM (30°-60°)	12014.7	26.6			
FH (60°-80°)	7845.7	17.4			G4/12000
FVH (80°-90°)	203.6	0.5			G2/225
BL (0°-30°)	2530.0	5.6	B4/5000		
BM (30°-60°)	12014.7	26.6	B5		
BH (60°-80°)	7845.7	17.4	B5		G5
BVH (80°-90°)	203.6	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°	4840.4	4840.4	4840.4	4840.4	4840.4	4840.4	4840.4	4840.4	4840.4	4840.4
2.5°	4840.4	4835.8	4840.4	4845.1	4842.8	4842.8	4854.3	4861.2	4875.1	4872.7
5°	4808.1	4805.8	4824.3	4845.1	4861.2	4888.9	4923.5	4948.9	4981.2	4988.1
7.5°	4792.0	4785.1	4817.4	4854.3	4905.0	4974.3	5041.2	5110.4	5165.8	5184.2
10°	4803.5	4805.8	4849.7	4918.9	4999.6	5096.5	5191.1	5308.8	5387.2	5405.7
12.5°	4856.6	4852.0	4925.8	5036.6	5147.3	5269.6	5380.3	5509.5	5594.9	5638.7
15°	4953.5	4944.3	5048.1	5211.9	5373.4	5516.4	5606.4	5728.7	5827.9	5883.3
17.5°	5068.9	5073.5	5209.6	5421.9	5634.1	5795.6	5881.0	5943.3	6019.4	6067.9
20°	5271.9	5281.1	5433.4	5684.9	5927.1	6111.7	6180.9	6157.8	6178.6	6215.5
22.5°	5544.1	5548.7	5719.5	5991.7	6245.5	6448.5	6494.7	6400.1	6342.4	6367.8
25°	5860.2	5890.2	6060.9	6340.1	6600.8	6794.6	6815.4	6672.3	6529.3	6536.2
27.5°	6245.5	6273.2	6446.2	6723.1	6988.4	7156.8	7154.5	6963.0	6753.1	6700.0
30°	6663.1	6693.1	6870.8	7156.8	7403.7	7551.4	7519.1	7290.7	6990.7	6891.5
32.5°	7159.2	7177.6	7357.6	7643.7	7872.1	7989.7	7922.8	7641.3	7267.6	7154.5
35°	7759.0	7786.7	7920.5	8190.5	8391.2	8488.1	8375.0	8042.8	7622.9	7496.0
37.5°	8444.2	8425.8	8578.1	8818.0	8984.1	9044.1	8889.5	8495.0	8029.0	7879.0
40°	9159.5	9150.2	9316.4	9547.1	9637.1	9674.0	9445.6	9014.1	8497.3	8335.8
42.5°	9807.8	9800.9	10024.7	10280.8	10389.2	10347.7	10059.3	9565.5	9039.5	8854.9
45°	10326.9	10317.7	10592.2	10952.1	11164.4	11095.2	10707.6	10174.6	9588.6	9397.1
47.5°	10726.0	10730.7	11026.0	11471.3	11842.7	11868.1	11369.7	10795.3	10193.1	9976.2
50°	11014.4	11028.3	11344.4	11838.1	12345.7	12569.5	12045.7	11432.0	10818.3	10573.8
52.5°	11086.0	11111.3	11492.0	12071.1	12668.7	13095.5	12733.3	12043.4	11411.3	11178.2
55°	10705.3	10756.0	11238.2	12052.7	12867.1	13441.6	13337.8	12664.1	12008.8	11768.9
57.5°	9830.9	9902.4	10465.3	11528.9	12823.3	13679.2	13806.1	13259.3	12606.4	12375.7
60°	8605.7	8691.1	9231.0	10391.5	12204.9	13766.9	14136.0	13838.4	13155.5	12931.7
62.5°	6757.7	6868.4	7514.5	8875.7	10899.1	13358.5	14417.5	14362.1	13649.2	13370.1
65°	4335.2	4452.8	5133.5	6741.6	9157.2	12108.0	14505.2	14872.0	14170.6	13780.7
67.5°	2614.0	2667.1	3003.9	4086.0	6693.1	10223.1	13762.3	15437.3	14779.7	14295.2
70°	1672.7	1702.7	1903.4	2399.5	3783.8	7459.1	11921.2	15543.4	15518.0	14823.6
72.5°	1135.1	1144.4	1197.4	1421.2	2141.1	4238.3	8792.6	14071.4	15979.5	15504.2
75°	830.6	881.3	966.7	1005.9	1215.9	2118.0	5038.9	9886.2	13467.0	13674.6
77.5°	618.3	620.6	738.3	784.4	867.5	1128.2	2131.8	5518.8	8361.2	8778.8
80°	523.7	496.0	493.7	632.2	652.9	703.7	952.9	1905.7	2994.7	1815.7
82.5°	436.1	406.1	366.8	493.7	445.3	431.4	413.0	775.2	952.9	468.4
85°	304.5	290.7	276.9	323.0	253.8	216.9	198.4	362.2	401.4	198.4
87.5°	131.5	136.1	138.4	143.0	106.1	76.1	76.1	101.5	101.5	78.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4840.4
4870.4
4988.1
5188.8
5424.2
5657.2
5904.0
6090.9
6243.2
6386.2
6547.7
6716.2
6903.1
7182.2
7514.5
7906.7
8388.9
8901.1
9440.9
10040.8
10647.6
11238.2
11835.8
12428.7
12980.1
13402.4
13829.2
14332.1
14819.0
15430.4
13171.6
7830.5
1372.8
399.1
175.3
57.7
0.0

OF REPORT)