

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: P954431

Luminaire Tested: **GALN-SB7C-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954431  
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-SB7C-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

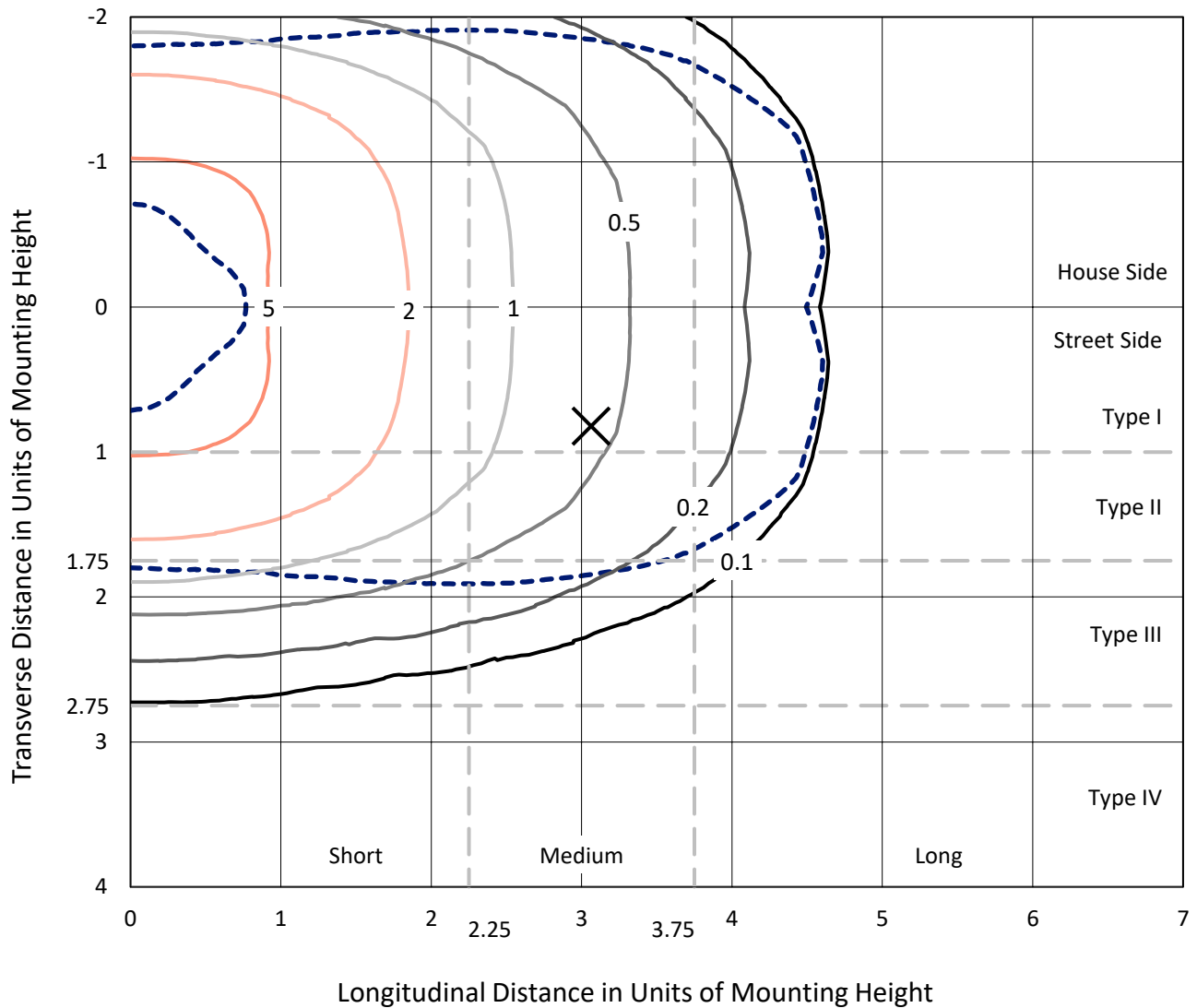
Lumens per Lamp: N/A  
Luminaire Lumens: 39742 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

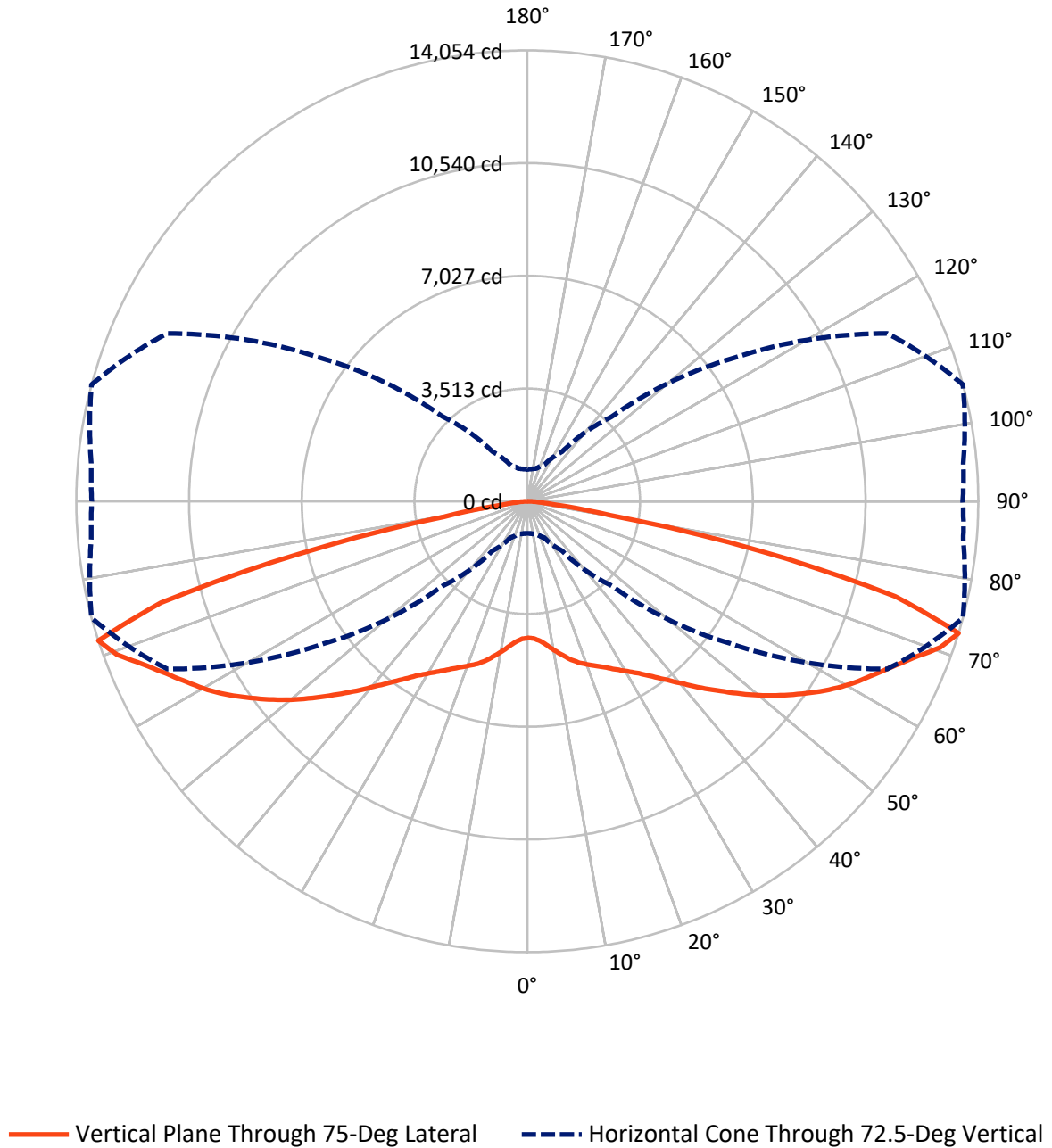
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	19871.0	0.0	19871.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19871.0	0.0	19871.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39742.0	0.0	39742.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.0	1.0
10°-20°	1375.4	3.5
20°-30°	2657.7	6.7
30°-40°	4487.7	11.3
40°-50°	7116.9	17.9
50°-60°	9528.8	24.0
60°-70°	9068.3	22.8
70°-80°	4732.0	11.9
80°-90°	358.2	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°	39742.0	100.0
0°-180°	39742.0	100.0

**Coefficient of Utilization**



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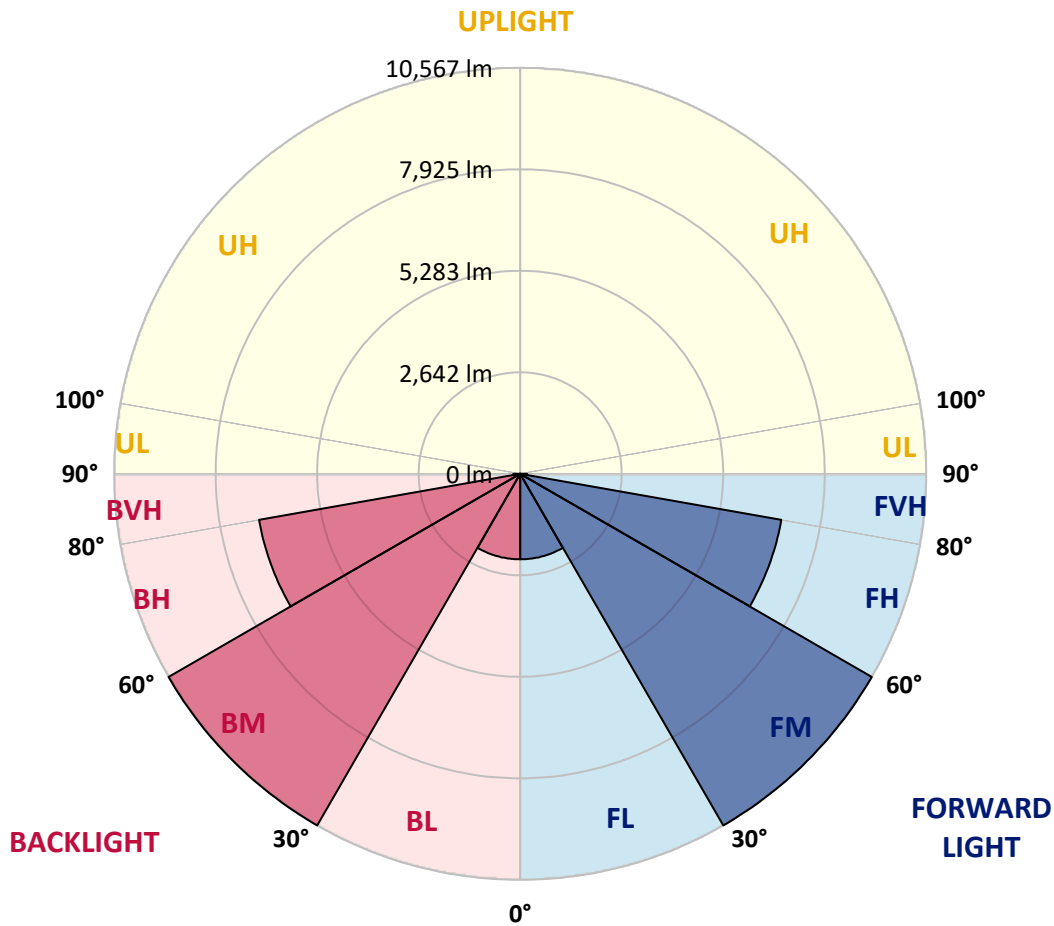
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.1	5.6			
FM (30°-60°)	10566.7	26.6			
FH (60°-80°)	6900.2	17.4			G3/7500
FVH (80°-90°)	179.1	0.5			G2/225
BL (0°-30°)	2225.1	5.6	B3/2500		
BM (30°-60°)	10566.7	26.6	B5		
BH (60°-80°)	6900.2	17.4	B5		G5
BVH (80°-90°)	179.1	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°	4257.1	4257.1	4257.1	4257.1	4257.1	4257.1	4257.1	4257.1	4257.1	4257.1
2.5°	4257.1	4253.0	4257.1	4261.1	4259.1	4259.1	4269.3	4275.3	4287.5	4285.5
5°	4228.7	4226.6	4242.9	4261.1	4275.3	4299.7	4330.1	4352.4	4380.9	4386.9
7.5°	4214.5	4208.4	4236.8	4269.3	4313.9	4374.8	4433.6	4494.5	4543.2	4559.4
10°	4224.6	4226.6	4265.2	4326.1	4397.1	4482.3	4565.5	4669.0	4738.0	4754.2
12.5°	4271.3	4267.2	4332.2	4429.6	4527.0	4634.5	4731.9	4845.5	4920.6	4959.2
15°	4356.5	4348.4	4439.7	4583.8	4725.8	4851.6	4930.7	5038.3	5125.5	5174.2
17.5°	4458.0	4462.0	4581.7	4768.4	4955.1	5097.1	5172.2	5227.0	5294.0	5336.6
20°	4636.5	4644.6	4778.6	4999.7	5212.8	5375.1	5436.0	5415.7	5434.0	5466.4
22.5°	4876.0	4880.0	5030.2	5269.6	5492.8	5671.4	5712.0	5628.8	5578.0	5600.4
25°	5153.9	5180.3	5330.5	5576.0	5805.3	5975.7	5994.0	5868.2	5742.4	5748.5
27.5°	5492.8	5517.2	5669.3	5912.8	6146.2	6294.3	6292.3	6123.9	5939.2	5892.5
30°	5860.1	5886.5	6042.7	6294.3	6511.4	6641.3	6612.9	6412.0	6148.2	6061.0
32.5°	6296.3	6312.6	6470.8	6722.5	6923.3	7026.8	6968.0	6720.4	6391.7	6292.3
35°	6823.9	6848.3	6965.9	7203.4	7379.9	7465.1	7365.7	7073.5	6704.2	6592.6
37.5°	7426.6	7410.3	7544.2	7755.3	7901.4	7954.1	7818.2	7471.2	7061.3	6929.4
40°	8055.6	8047.5	8193.6	8396.5	8475.6	8508.1	8307.2	7927.7	7473.2	7331.2
42.5°	8625.8	8619.7	8816.5	9041.7	9137.1	9100.6	8846.9	8412.7	7950.1	7787.7
45°	9082.3	9074.2	9315.7	9632.2	9818.9	9758.0	9417.1	8948.4	8433.0	8264.6
47.5°	9433.3	9437.4	9697.1	10088.8	10415.4	10437.8	9999.5	9494.2	8964.6	8773.9
50°	9687.0	9699.2	9977.1	10411.4	10857.8	11054.6	10594.0	10054.3	9514.5	9299.4
52.5°	9749.9	9772.2	10107.0	10616.3	11141.9	11517.2	11198.7	10592.0	10036.0	9831.1
55°	9415.1	9459.7	9883.8	10600.1	11316.4	11821.6	11730.3	11137.8	10561.5	10350.5
57.5°	8646.1	8709.0	9204.1	10139.5	11277.8	12030.6	12142.2	11661.3	11087.1	10884.2
60°	7568.6	7643.7	8118.5	9139.1	10734.0	12107.7	12432.4	12170.6	11570.0	11373.2
62.5°	5943.3	6040.7	6608.8	7806.0	9585.5	11748.6	12679.9	12631.2	12004.2	11758.7
65°	3812.7	3916.2	4514.8	5929.1	8053.6	10648.8	12757.0	13079.7	12462.8	12119.9
67.5°	2299.0	2345.7	2641.9	3593.6	5886.5	8991.0	12103.7	13576.8	12998.5	12572.4
70°	1471.1	1497.5	1674.0	2110.3	3327.7	6560.1	10484.4	13670.1	13647.8	13037.1
72.5°	998.3	1006.4	1053.1	1249.9	1883.0	3727.5	7733.0	12375.6	14053.6	13635.6
75°	730.5	775.1	850.2	884.7	1069.3	1862.7	4431.6	8694.8	11843.9	12026.6
77.5°	543.8	545.8	649.3	689.9	762.9	992.2	1874.9	4853.6	7353.5	7720.8
80°	460.6	436.3	434.2	556.0	574.2	618.9	838.0	1676.0	2633.8	1596.9
82.5°	383.5	357.1	322.6	434.2	391.6	379.4	363.2	681.8	838.0	411.9
85°	267.8	255.7	243.5	284.1	223.2	190.7	174.5	318.6	353.1	174.5
87.5°	115.7	119.7	121.7	125.8	93.3	67.0	67.0	89.3	89.3	69.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4257.1
4283.5
4386.9
4563.5
4770.4
4975.4
5192.5
5356.9
5490.8
5616.6
5758.6
5906.7
6071.1
6316.6
6608.8
6953.8
7377.9
7828.3
8303.1
8830.7
9364.4
9883.8
10409.4
10930.8
11415.8
11787.1
12162.5
12604.9
13033.0
13570.7
11584.2
6886.8
1207.3
351.0
154.2
50.7
0.0

OF REPORT)