

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: P944303

Luminaire Tested: **GALN-SB9A-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944303  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9A-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

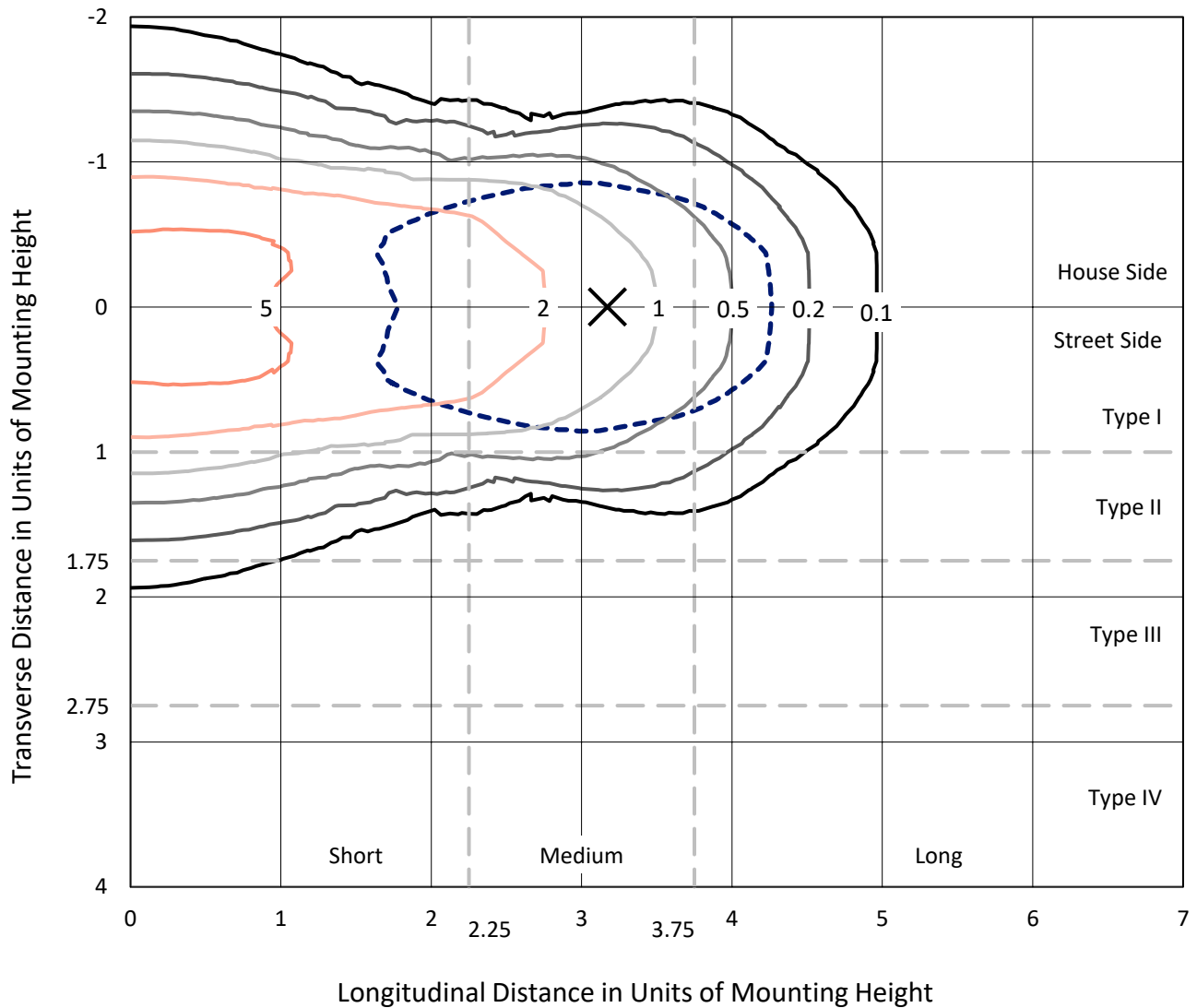
Lumens per Lamp: N/A  
Luminaire Lumens: 29289 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

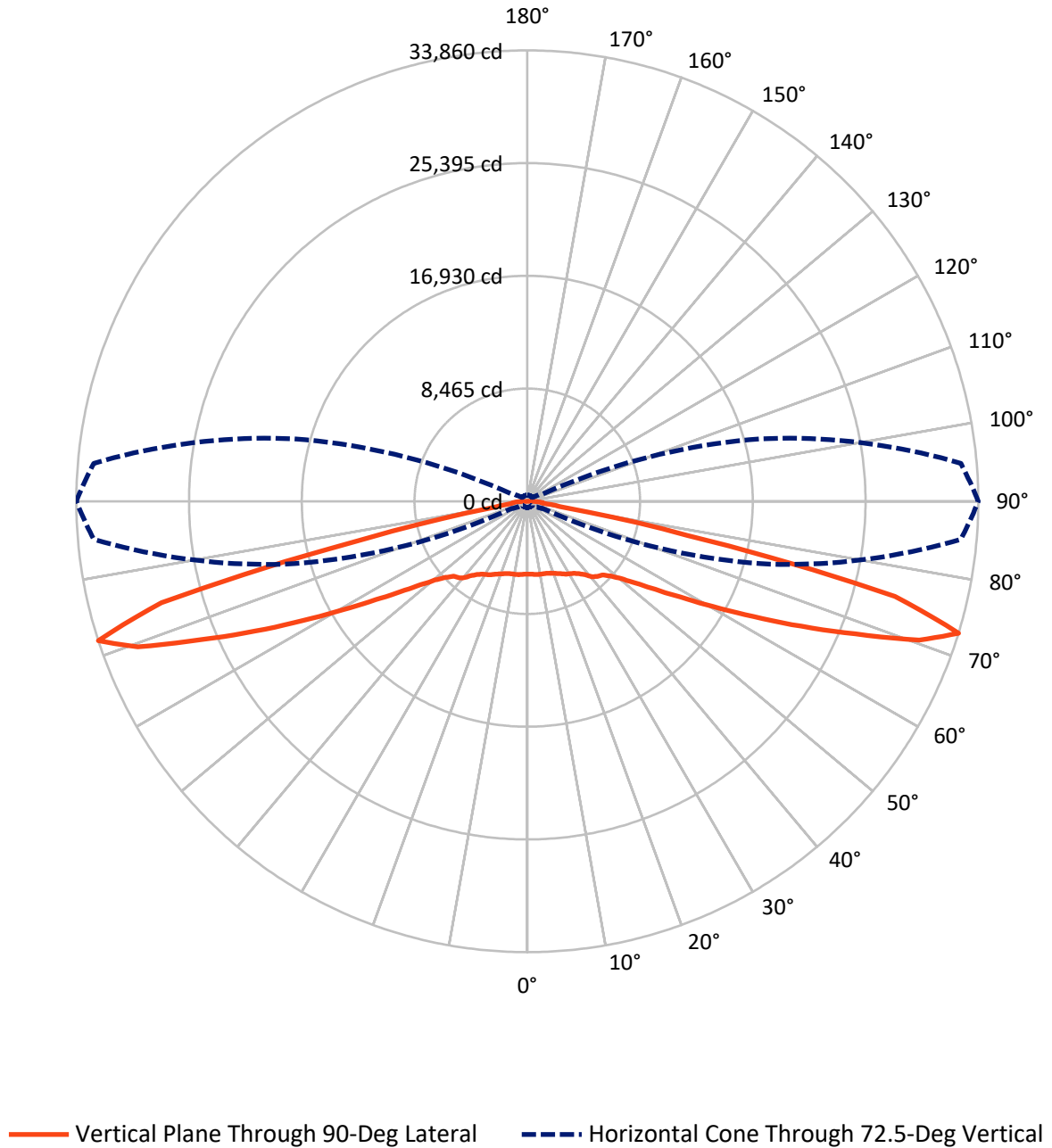
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14644.5	0.0	14644.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14644.5	0.0	14644.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29289.0	0.0	29289.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.7	1.8
10°-20°	1622.6	5.5
20°-30°	2705.5	9.2
30°-40°	3720.9	12.7
40°-50°	4544.2	15.5
50°-60°	5255.9	17.9
60°-70°	6266.8	21.4
70°-80°	4373.8	14.9
80°-90°	268.6	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°	29289.0	100.0
0°-180°	29289.0	100.0

**Coefficient of Utilization**



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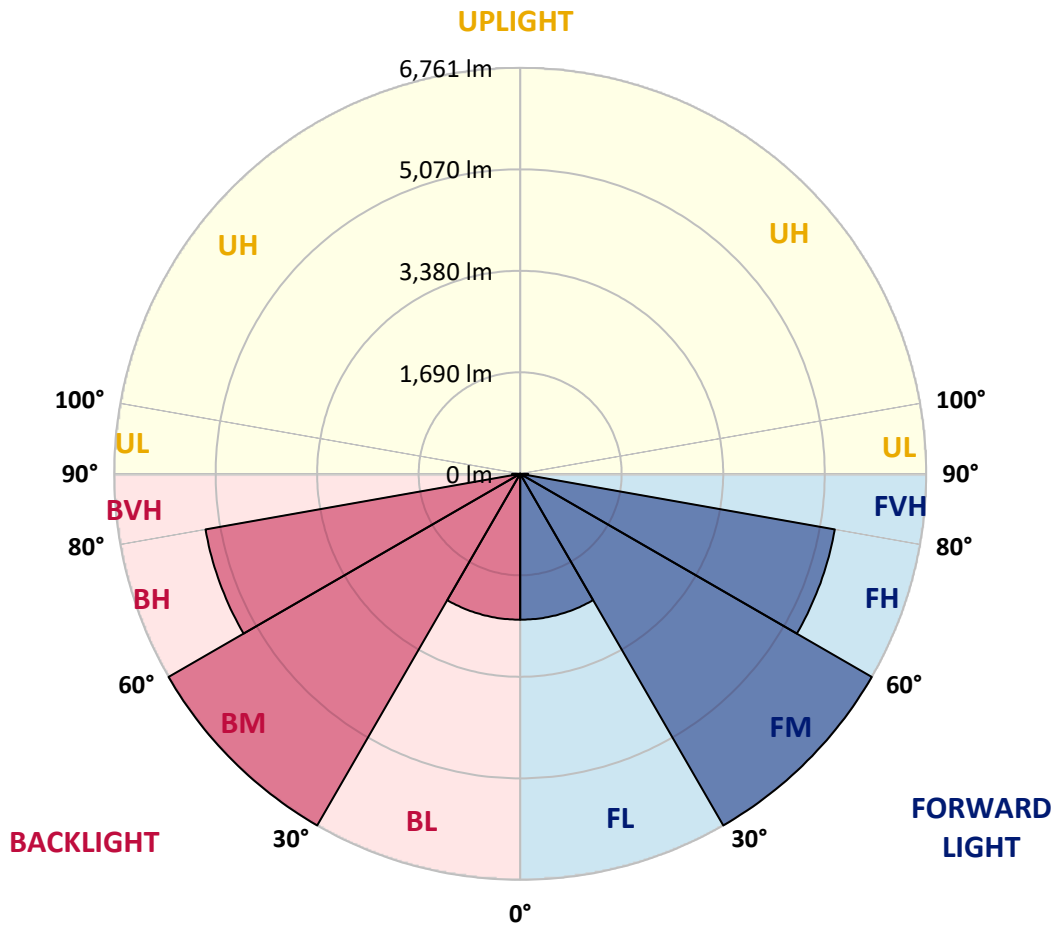
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.4	8.3			
FM (30°-60°)	6760.5	23.1			
FH (60°-80°)	5320.3	18.2			G3/7500
FVH (80°-90°)	134.3	0.5			G2/225
BL (0°-30°)	2429.4	8.3	B3/2500		
BM (30°-60°)	6760.5	23.1	B4/8500		
BH (60°-80°)	5320.3	18.2	B5		G5
BVH (80°-90°)	134.3	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5473.0	5473.0	5473.0	5473.0	5473.0	5473.0	5473.0	5473.0	5473.0	5473.0
2.5°	5477.6	5483.9	5483.9	5479.2	5490.1	5480.7	5480.7	5476.1	5480.7	5476.1
5°	5505.6	5513.4	5516.5	5515.0	5529.0	5521.2	5521.2	5515.0	5516.5	5511.9
7.5°	5558.6	5569.5	5575.7	5583.5	5603.7	5594.4	5588.1	5569.5	5561.7	5549.2
10°	5575.7	5588.1	5608.4	5648.9	5695.6	5697.1	5678.4	5631.7	5595.9	5567.9
12.5°	5522.8	5539.9	5581.9	5664.4	5768.7	5810.7	5781.2	5703.3	5633.3	5583.5
15°	5455.8	5474.5	5538.3	5662.9	5817.0	5915.0	5911.9	5809.2	5697.1	5619.3
17.5°	5351.5	5370.2	5462.1	5636.4	5854.3	6016.2	6059.8	5953.9	5796.7	5692.4
20°	5163.2	5180.3	5308.0	5552.3	5866.8	6123.6	6237.2	6143.8	5947.7	5806.1
22.5°	4918.8	4945.3	5094.7	5407.6	5837.2	6235.7	6439.6	6375.8	6123.6	5927.5
25°	4657.3	4685.3	4859.7	5230.1	5760.9	6316.6	6679.3	6638.8	6322.9	6078.5
27.5°	4431.6	4461.2	4651.1	5054.2	5642.6	6347.8	6915.9	6936.2	6564.1	6245.0
30°	4254.2	4282.2	4484.5	4912.6	5490.1	6316.6	7122.9	7263.0	6810.1	6389.8
32.5°	4059.6	4095.4	4308.6	4739.8	5309.5	6241.9	7303.5	7616.4	7094.9	6545.4
35°	3813.6	3846.3	4070.5	4503.2	5072.9	6122.1	7454.5	8008.6	7502.7	6782.0
37.5°	3514.8	3545.9	3768.5	4207.5	4837.9	5953.9	7569.7	8450.7	7988.4	7122.9
40°	3214.4	3243.9	3452.5	3877.5	4556.1	5739.1	7610.2	8883.4	8545.7	7591.5
42.5°	2938.8	2965.3	3156.8	3552.1	4240.1	5465.2	7557.2	9260.1	9045.3	7918.4
45°	2685.1	2708.5	2878.1	3247.0	3911.7	5132.1	7398.5	9664.8	9639.9	8151.8
47.5°	2395.6	2418.9	2594.8	2951.3	3583.3	4741.4	7129.2	10063.3	10466.5	8681.1
50°	2042.2	2062.5	2243.0	2610.4	3242.4	4325.8	6755.6	10376.2	11509.4	9482.7
52.5°	1623.5	1645.3	1821.2	2188.6	2837.7	3879.0	6263.7	10580.1	12714.2	10653.3
55°	1207.9	1223.5	1376.0	1706.0	2336.4	3370.0	5647.3	10637.7	14080.9	12253.5
57.5°	876.4	885.7	983.8	1229.7	1771.4	2733.4	4898.6	10488.3	15707.5	14305.0
60°	709.8	712.9	742.5	851.5	1231.3	2014.2	3994.2	9974.6	17472.7	16949.7
62.5°	644.4	644.4	652.2	681.8	832.8	1329.3	2899.9	8909.9	19365.5	20291.7
65°	599.3	599.3	602.4	616.4	656.9	846.8	1830.5	7175.9	20961.0	24206.5
67.5°	558.8	560.4	558.8	563.5	586.8	625.7	1061.6	4956.2	21820.2	28262.9
70°	516.8	519.9	512.1	512.1	530.8	532.4	664.7	2717.8	21107.3	31662.5
72.5°	467.0	471.6	459.2	456.1	470.1	463.9	499.7	1304.4	18121.8	32677.4
75°	423.4	429.6	401.6	393.8	393.8	389.1	406.3	669.3	11761.6	26656.5
77.5°	384.5	396.9	351.8	326.9	320.7	306.6	331.6	409.4	5144.5	12515.0
80°	317.5	334.7	289.5	259.9	249.1	233.5	261.5	286.4	1530.1	2906.1
82.5°	236.6	244.4	205.5	185.2	175.9	165.0	196.1	199.2	498.1	1028.9
85°	151.0	154.1	126.1	109.0	104.3	99.6	124.5	109.0	189.9	756.5
87.5°	52.9	60.7	48.3	43.6	46.7	38.9	57.6	32.7	52.9	533.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5473.0  
5476.1  
5511.9  
5549.2  
5563.2  
5575.7  
5606.8  
5675.3  
5779.6  
5891.7  
6028.7  
6192.1  
6313.5  
6448.9  
6674.6  
6979.7  
7438.9  
7722.2  
7887.2  
8376.0  
9099.8  
10181.6  
11663.5  
13562.5  
16014.2  
19038.6  
22621.9  
26552.3  
31212.7  
33860.4  
28512.0  
12255.0  
2783.2  
1162.8  
1099.0  
661.5  
0.0

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