

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: P940220

Luminaire Tested: **GALN-SB3A-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

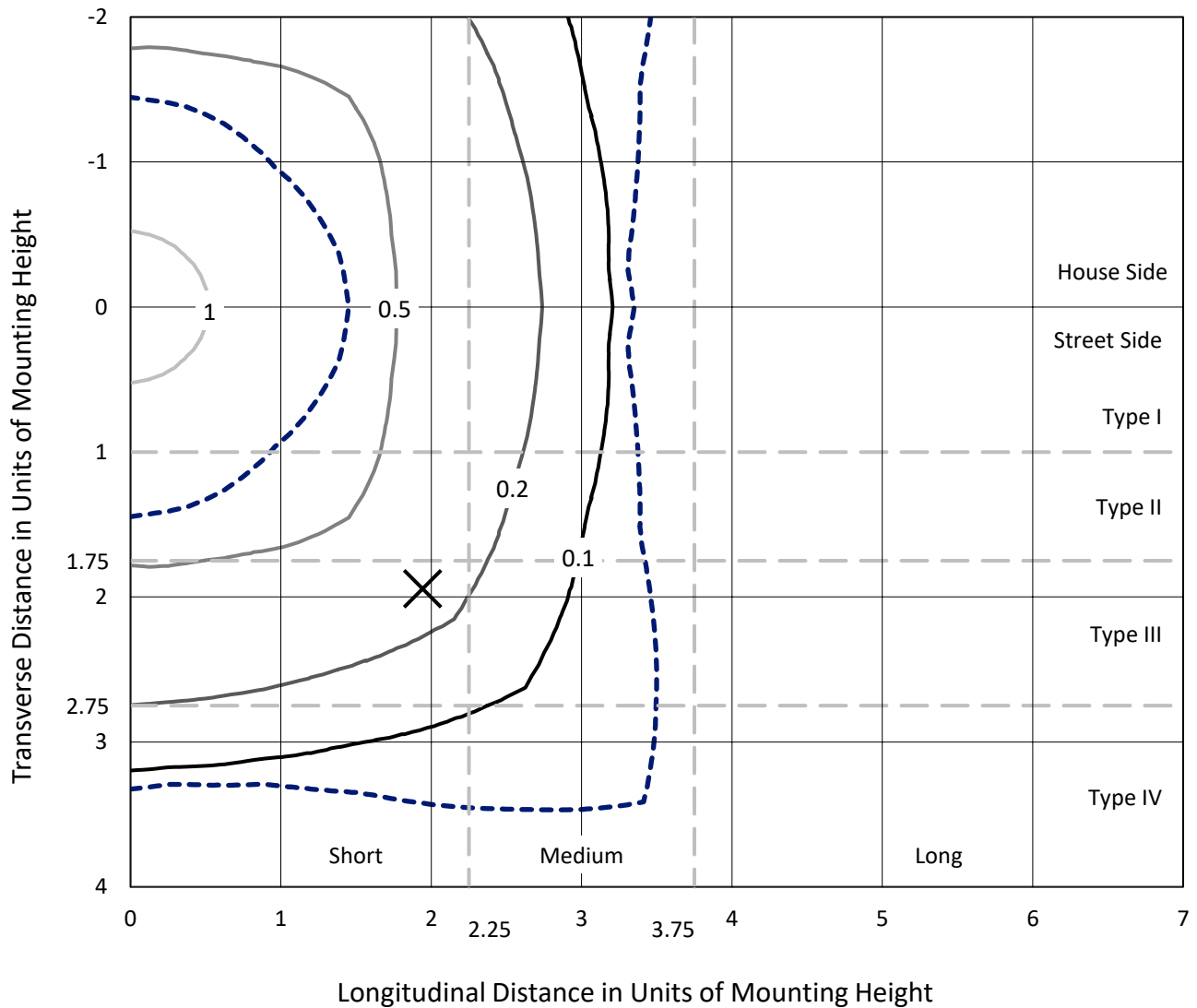
Lumens per Lamp: N/A  
Luminaire Lumens: 9865 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

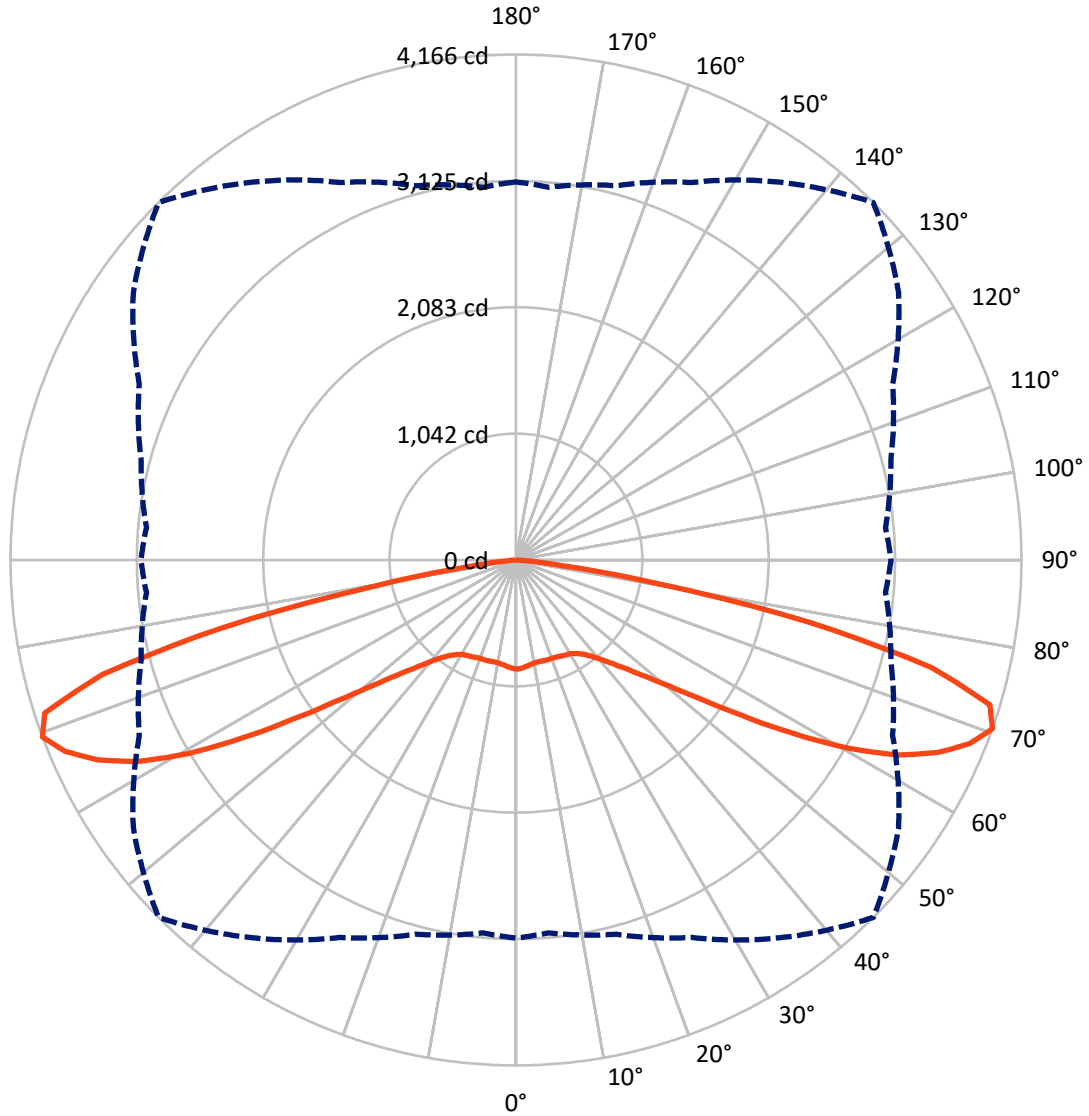
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4932.5	0.0	4932.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4932.5	0.0	4932.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9865.0	0.0	9865.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	0.8
10°-20°	245.8	2.5
20°-30°	409.0	4.1
30°-40°	618.6	6.3
40°-50°	1027.9	10.4
50°-60°	1939.7	19.7
60°-70°	3275.3	33.2
70°-80°	2152.2	21.8
80°-90°	112.8	1.1
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°	9865.0	100.0
0°-180°	9865.0	100.0

**Coefficient of Utilization**



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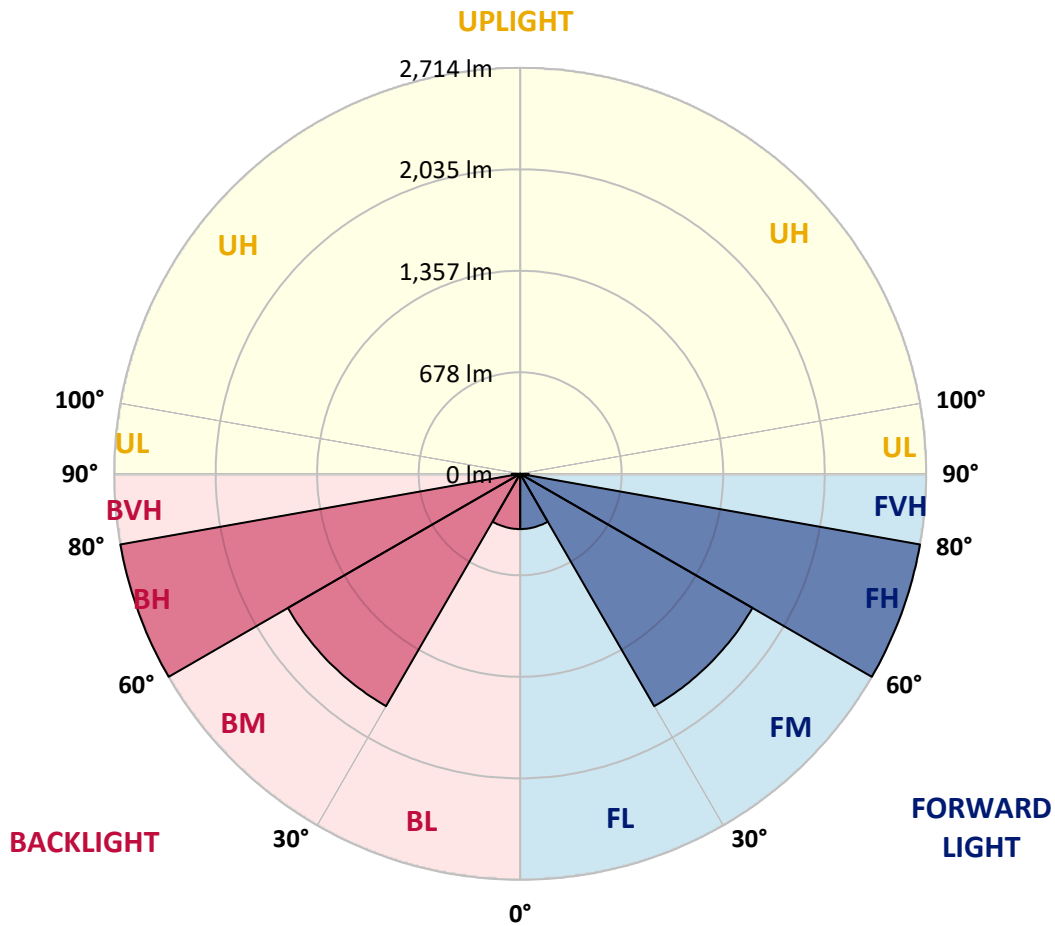
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.3	3.7			
FM	(30°-60°)	1793.1	18.2			
FH	(60°-80°)	2713.7	27.5			G2/5000
FVH	(80°-90°)	56.4	0.6			G1/100
BL	(0°-30°)	369.3	3.7	B1/500		
BM	(30°-60°)	1793.1	18.2	B2/2500		
BH	(60°-80°)	2713.7	27.5	B4/5000		G2/5000
BVH	(80°-90°)	56.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9
2.5°	894.2	896.8	895.8	893.7	893.7	892.2	893.7	894.8	896.3	897.3
5°	882.5	884.5	884.0	882.5	883.0	881.4	882.5	884.0	885.0	885.5
7.5°	872.2	874.2	873.2	870.7	870.7	869.1	869.6	871.2	872.7	873.2
10°	869.6	871.7	868.6	864.5	863.0	860.9	861.4	863.0	866.0	867.6
12.5°	870.7	872.2	869.1	863.0	861.4	859.4	859.4	860.9	865.0	867.1
15°	873.7	875.3	870.7	864.0	862.5	860.9	860.4	862.5	867.1	870.7
17.5°	879.4	880.9	873.7	864.5	862.5	863.0	862.5	864.0	871.2	877.8
20°	884.5	885.5	875.8	864.5	862.5	863.0	862.5	865.5	874.8	884.0
22.5°	886.0	887.1	877.8	868.1	866.6	867.1	866.6	869.6	878.4	887.6
25°	886.6	888.1	880.9	873.2	875.8	876.8	875.8	876.3	883.0	891.2
27.5°	894.2	896.3	889.6	883.0	884.5	884.0	885.5	887.1	892.2	900.4
30°	910.1	911.7	906.0	899.4	898.3	894.8	899.4	904.5	910.1	917.3
32.5°	936.3	939.4	932.2	925.0	920.4	918.3	921.9	930.7	938.3	946.0
35°	979.9	981.9	975.3	961.9	953.7	953.7	956.8	968.1	980.4	990.1
37.5°	1041.4	1044.0	1032.2	1016.3	1004.0	1004.0	1008.1	1019.9	1038.3	1052.2
40°	1116.3	1119.9	1105.0	1088.6	1076.8	1074.7	1079.9	1093.2	1110.6	1128.1
42.5°	1206.5	1210.6	1191.1	1176.8	1167.5	1167.5	1170.1	1182.4	1198.3	1219.8
45°	1321.9	1329.1	1302.4	1288.0	1279.3	1281.4	1282.9	1293.7	1308.0	1332.7
47.5°	1459.3	1466.5	1438.3	1423.4	1421.9	1431.6	1425.5	1433.2	1440.8	1469.0
50°	1615.2	1627.5	1608.0	1607.0	1610.1	1628.0	1613.6	1617.7	1609.0	1627.0
52.5°	1805.9	1823.9	1820.3	1826.4	1860.8	1897.7	1864.9	1850.5	1817.7	1823.4
55°	2037.2	2064.4	2069.5	2106.4	2184.3	2259.7	2190.0	2132.0	2062.3	2049.5
57.5°	2300.2	2321.8	2346.4	2421.7	2567.4	2701.2	2567.4	2439.2	2329.5	2303.3
60°	2583.3	2609.9	2633.5	2744.8	2961.2	3149.3	2957.1	2753.5	2608.4	2573.0
62.5°	2887.3	2921.7	2938.1	3061.7	3313.9	3538.5	3317.5	3070.9	2909.9	2871.9
65°	3179.1	3207.3	3225.7	3357.5	3598.5	3823.6	3614.9	3371.9	3206.3	3156.5
67.5°	3315.0	3330.3	3375.5	3524.7	3779.0	4035.9	3822.1	3540.6	3355.5	3268.3
70°	3116.0	3084.7	3193.4	3432.4	3800.5	4166.1	3849.8	3425.2	3198.6	3057.1
72.5°	2407.9	2354.1	2542.8	2951.4	3554.4	4083.1	3579.0	2974.5	2660.2	2373.0
75°	1310.1	1249.1	1509.6	2026.4	2834.5	3539.0	2899.6	2084.4	1680.8	1300.3
77.5°	369.7	346.6	556.9	980.4	1704.9	2484.8	1770.5	1001.9	660.4	391.7
80°	113.3	109.7	148.7	295.3	724.0	1190.1	695.8	298.9	189.2	119.5
82.5°	67.2	61.5	73.8	107.7	184.6	373.8	179.5	112.3	90.2	60.5
85°	38.5	35.9	43.6	52.3	62.0	79.5	51.8	53.3	48.2	32.3
87.5°	15.9	14.4	16.9	16.4	14.4	18.5	13.8	16.4	19.5	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
899.9
896.8
885.5
873.2
867.6
867.6
871.2
877.8
884.5
887.6
890.7
898.3
915.8
943.0
986.5
1047.0
1122.4
1218.3
1331.6
1460.8
1616.2
1804.4
2029.5
2284.8
2542.2
2841.2
3131.9
3269.3
3090.9
2444.3
1385.0
435.3
126.1
65.6
33.8
11.8
0.0

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