

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: P945502

Luminaire Tested: **GALN-SB1B-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1B-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4275 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

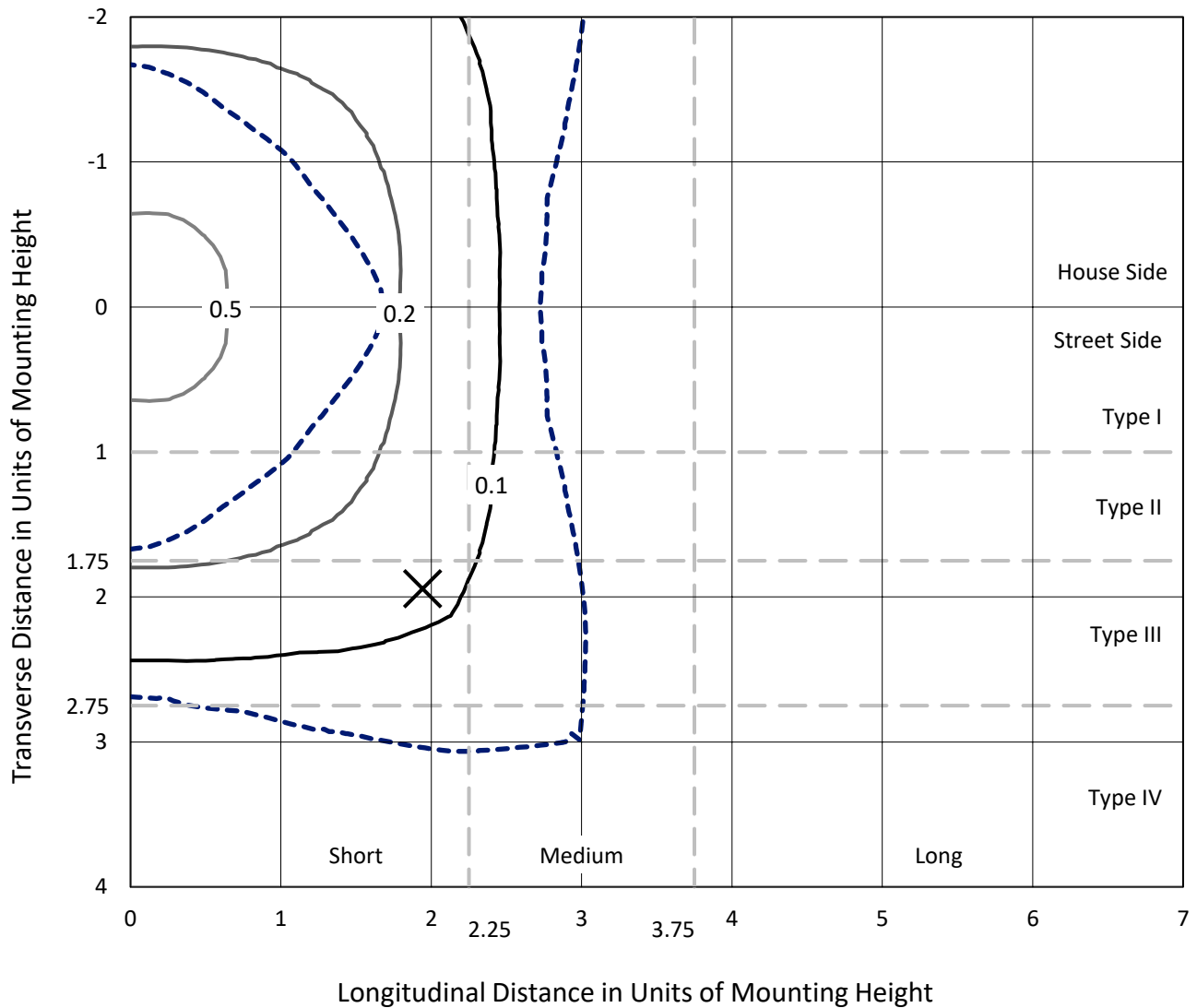
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

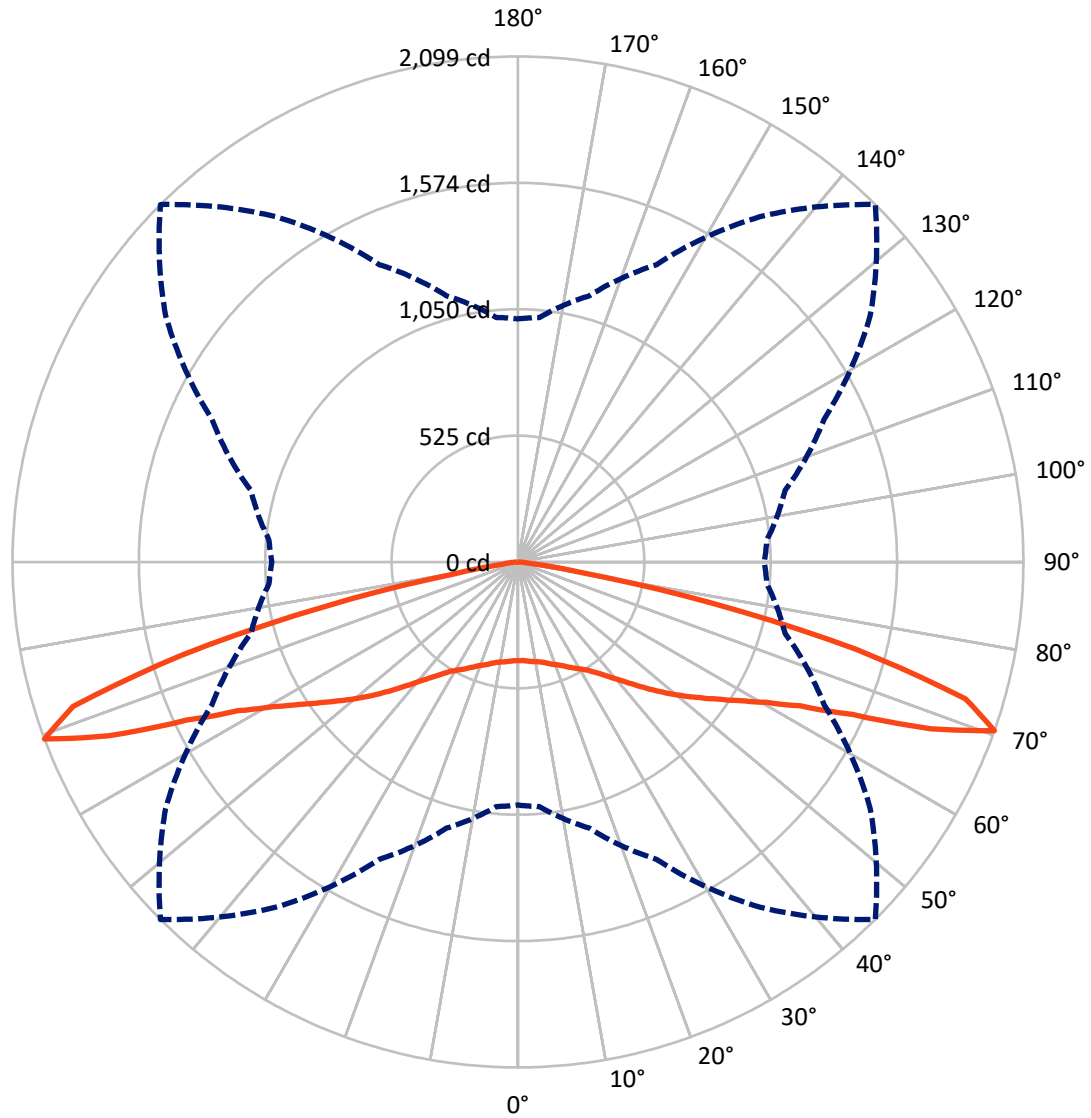
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	2137.5	0.0	2137.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2137.5	0.0	2137.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4275.0	0.0	4275.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	0.9
10°-20°	123.4	2.9
20°-30°	220.5	5.2
30°-40°	357.4	8.4
40°-50°	582.1	13.6
50°-60°	887.5	20.8
60°-70°	1320.3	30.9
70°-80°	719.6	16.8
80°-90°	24.5	0.6
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°	4275.0	100.0
0°-180°	4275.0	100.0

**Coefficient of Utilization**



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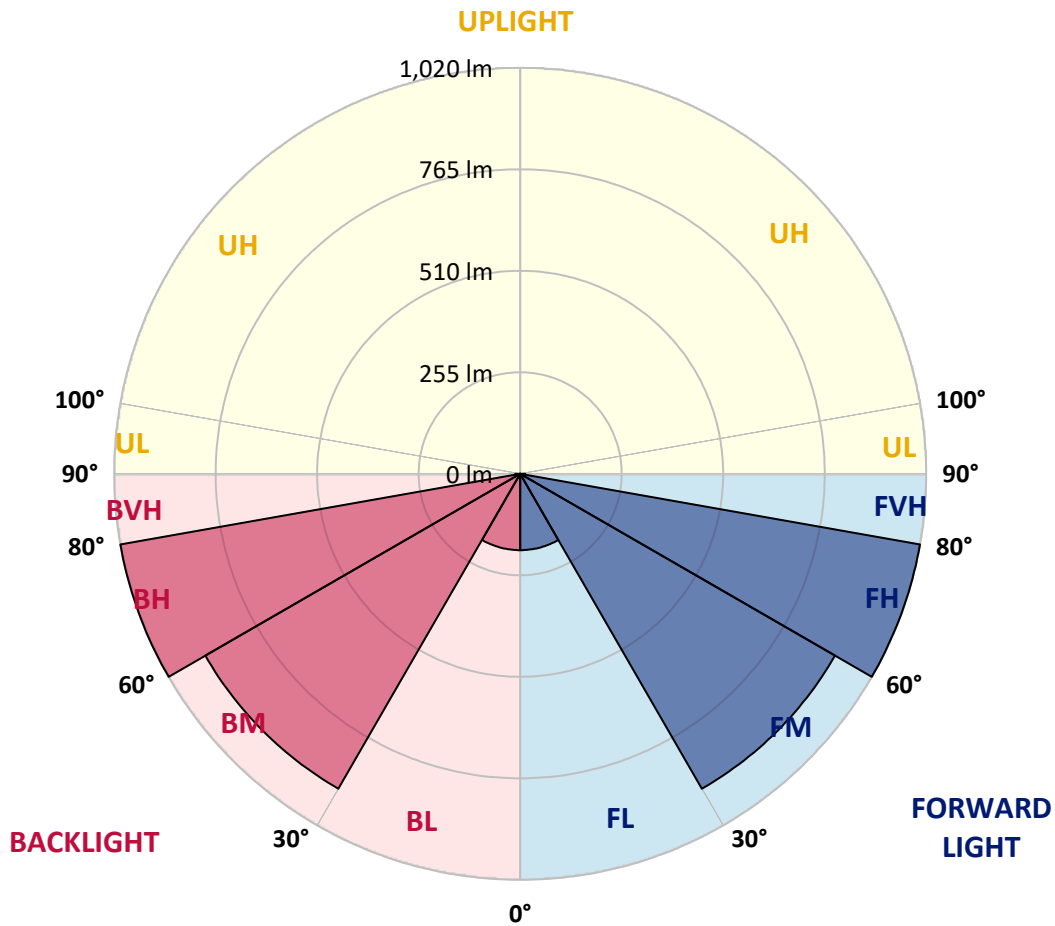
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.8	4.5			
FM (30°-60°)	913.5	21.4			
FH (60°-80°)	1020.0	23.9			G1/1800
FVH (80°-90°)	12.3	0.3			G1/100
BL (0°-30°)	191.8	4.5	B1/500		
BM (30°-60°)	913.5	21.4	B1/1000		
BH (60°-80°)	1020.0	23.9	B3/2500		G1/1800
BVH (80°-90°)	12.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	409.5	409.5	409.5	409.5	409.5	409.5	409.5	409.5	409.5	409.5
2.5°	411.4	411.9	411.0	410.6	410.1	409.5	409.7	410.8	411.6	411.4
5°	414.9	415.3	414.7	414.4	413.6	413.4	413.4	414.4	415.1	414.7
7.5°	418.7	419.4	418.3	418.1	417.7	417.2	417.0	418.1	418.7	418.7
10°	422.4	423.0	422.2	421.5	421.1	421.1	420.7	421.5	422.6	422.4
12.5°	426.2	426.7	425.8	425.4	425.4	426.0	425.4	425.8	426.7	426.2
15°	431.0	431.2	431.0	431.6	432.7	434.8	432.9	432.5	432.9	431.8
17.5°	437.4	437.8	438.7	440.2	441.7	445.6	442.1	441.1	441.1	438.9
20°	445.3	446.0	447.3	449.8	451.8	455.4	452.0	450.5	449.8	447.1
22.5°	453.7	454.8	456.7	460.2	463.6	467.0	463.6	461.0	459.1	455.4
25°	463.4	464.7	467.7	473.2	478.0	482.9	478.8	473.7	469.8	464.7
27.5°	477.1	478.6	482.3	489.1	495.1	499.4	495.6	488.9	483.5	477.3
30°	496.4	497.9	502.2	509.5	513.6	516.4	513.8	508.7	502.2	495.1
32.5°	521.3	523.3	528.0	534.8	535.7	536.1	535.3	532.7	528.0	519.4
35°	552.9	555.0	560.4	566.0	565.1	566.0	564.7	563.8	560.4	550.5
37.5°	591.5	594.1	599.7	603.9	601.8	600.7	600.9	601.2	599.2	588.3
40°	636.4	639.8	643.9	648.4	644.7	641.5	643.7	645.4	643.7	632.5
42.5°	682.5	687.4	691.7	698.2	695.2	691.1	694.1	696.0	692.4	680.4
45°	733.8	738.5	744.1	753.8	751.6	747.3	751.6	752.0	745.8	731.6
47.5°	786.8	791.7	800.1	813.0	812.1	807.4	813.0	810.0	802.0	785.1
50°	837.0	843.9	856.8	874.8	876.5	870.7	878.2	872.4	859.1	837.9
52.5°	884.2	891.5	911.9	936.4	942.6	935.1	945.2	935.1	915.2	887.9
55°	933.8	942.0	966.2	998.2	1010.7	1005.1	1014.5	999.3	971.0	937.9
57.5°	992.2	997.1	1026.1	1064.1	1085.1	1086.4	1090.7	1065.0	1030.6	993.1
60°	1055.5	1062.4	1093.9	1139.4	1172.7	1183.4	1178.9	1140.7	1100.8	1057.7
62.5°	1136.6	1144.2	1181.9	1236.4	1289.0	1315.6	1298.0	1242.7	1193.3	1141.6
65°	1203.8	1212.2	1280.4	1377.7	1473.4	1526.8	1482.6	1380.7	1291.8	1218.8
67.5°	1155.1	1165.4	1272.5	1451.1	1689.1	1848.5	1697.2	1473.0	1298.9	1200.0
70°	1009.6	1019.2	1144.2	1362.4	1749.8	2099.2	1786.3	1402.6	1148.2	1037.5
72.5°	670.3	701.4	827.8	1089.6	1562.5	1942.6	1577.9	1067.5	767.9	668.8
75°	222.3	247.2	333.5	564.9	1046.5	1452.8	996.3	499.9	264.2	190.2
77.5°	56.0	64.6	89.1	161.6	417.4	827.2	375.8	132.0	71.9	50.2
80°	27.3	30.0	42.9	53.9	104.5	262.9	98.1	50.7	33.9	26.2
82.5°	15.0	15.2	24.3	30.5	38.8	68.0	40.3	29.6	19.5	15.9
85°	9.2	9.0	12.9	16.3	16.3	24.3	19.3	16.3	11.2	9.9
87.5°	3.6	3.6	4.7	5.2	4.5	6.2	4.9	5.4	4.3	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
409.5
411.6
414.9
418.7
422.4
426.0
431.8
438.9
447.1
455.2
464.4
477.1
495.1
519.6
550.5
588.3
632.5
681.2
733.2
784.0
837.5
885.3
933.4
987.9
1050.8
1132.6
1206.8
1185.1
1022.7
647.1
179.9
44.9
24.0
15.9
10.3
4.3
0.0

OF REPORT)