

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: P945880

Luminaire Tested: **GALN-SB1C-950-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945880  
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-SB1C-950-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5458 lumens  
Efficiency: N/A  
Efficacy: 100.3 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

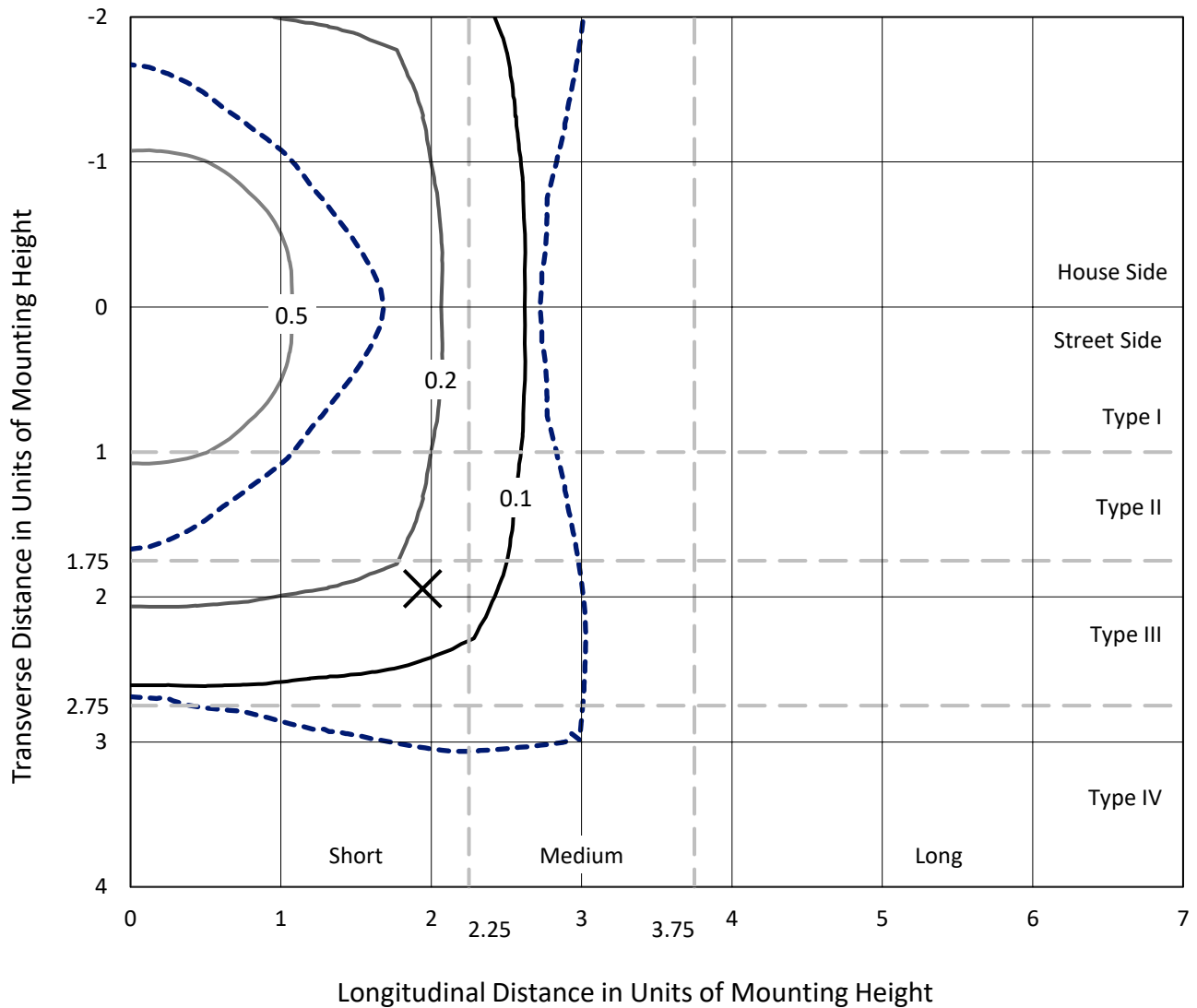
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

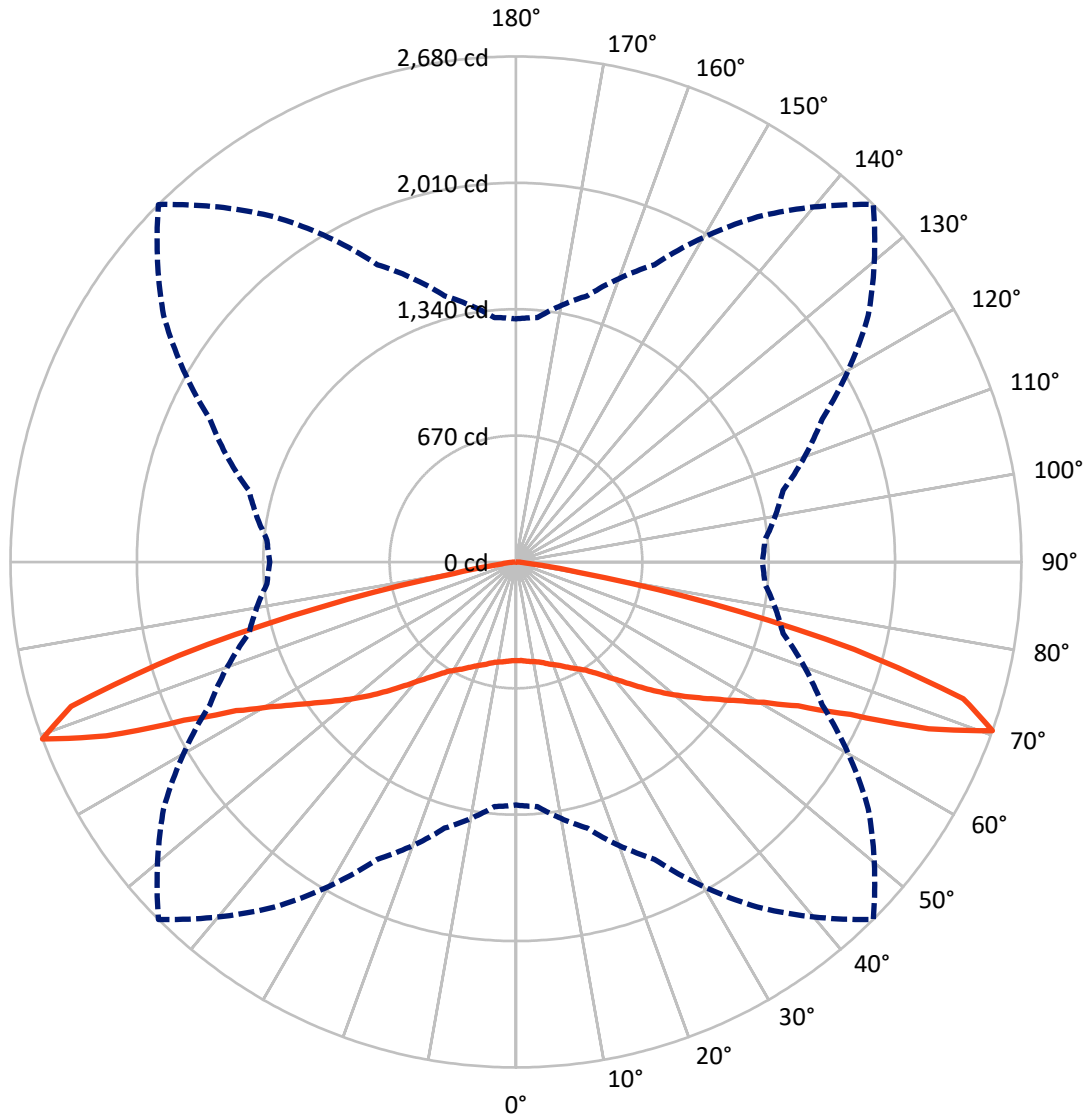
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2729.0	0.0	2729.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2729.0	0.0	2729.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5458.0	0.0	5458.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	0.9
10°-20°	157.5	2.9
20°-30°	281.5	5.2
30°-40°	456.3	8.4
40°-50°	743.2	13.6
50°-60°	1133.1	20.8
60°-70°	1685.7	30.9
70°-80°	918.8	16.8
80°-90°	31.3	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°	5458.0	100.0
0°-180°	5458.0	100.0

**Coefficient of Utilization**



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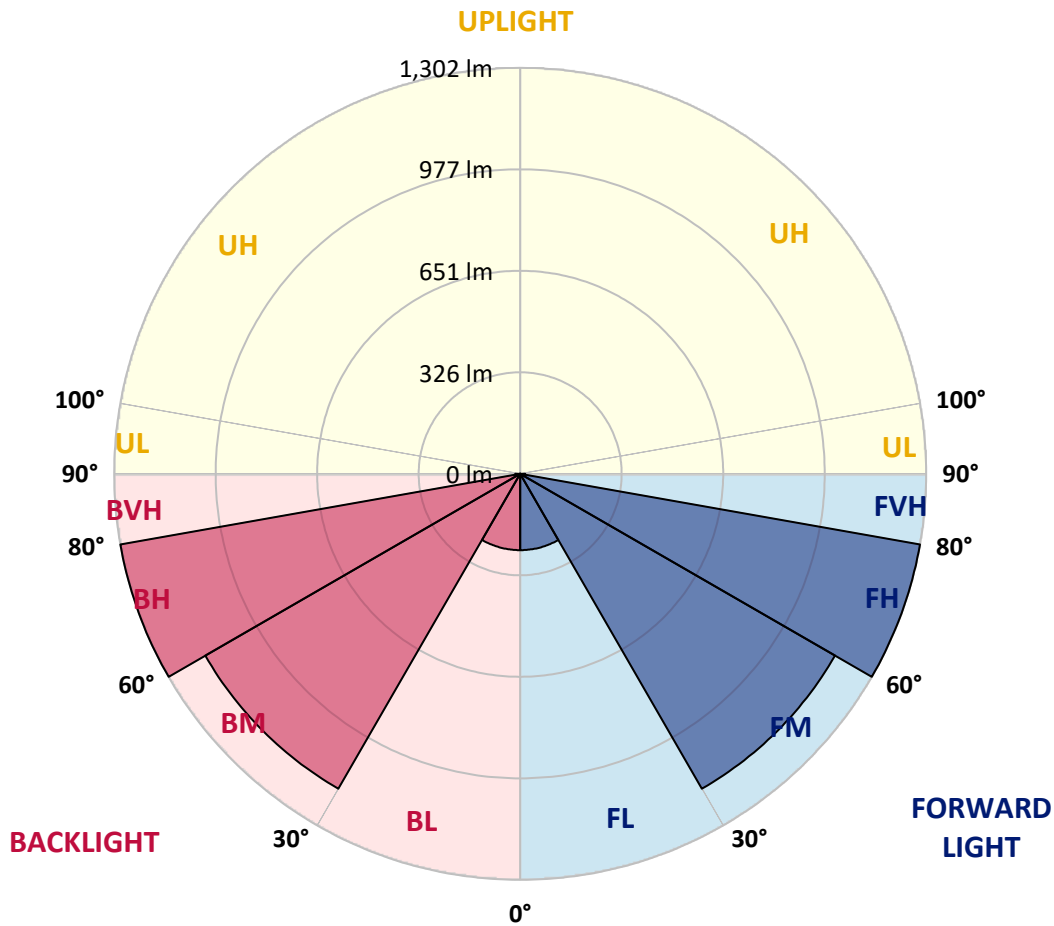
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.9	4.5			
FM (30°-60°)	1166.3	21.4			
FH (60°-80°)	1302.2	23.9			G1/1800
FVH (80°-90°)	15.6	0.3			G1/100
BL (0°-30°)	244.9	4.5	B1/500		
BM (30°-60°)	1166.3	21.4	B2/2500		
BH (60°-80°)	1302.2	23.9	B3/2500		G1/1800
BVH (80°-90°)	15.6	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°	522.8	522.8	522.8	522.8	522.8	522.8	522.8	522.8	522.8	522.8
2.5°	525.3	525.8	524.7	524.2	523.6	522.8	523.1	524.5	525.6	525.3
5°	529.7	530.2	529.4	529.1	528.0	527.8	527.8	529.1	529.9	529.4
7.5°	534.6	535.4	534.1	533.8	533.2	532.7	532.4	533.8	534.6	534.6
10°	539.3	540.1	539.0	538.2	537.6	537.6	537.1	538.2	539.5	539.3
12.5°	544.2	544.7	543.6	543.1	543.1	543.9	543.1	543.6	544.7	544.2
15°	550.2	550.5	550.2	551.0	552.4	555.2	552.7	552.1	552.7	551.3
17.5°	558.4	559.0	560.1	562.0	563.9	568.9	564.5	563.1	563.1	560.4
20°	568.6	569.4	571.0	574.3	576.8	581.5	577.1	575.2	574.3	570.8
22.5°	579.3	580.6	583.1	587.5	591.9	596.3	591.9	588.6	586.1	581.5
25°	591.6	593.2	597.1	604.2	610.2	616.5	611.3	604.8	599.8	593.2
27.5°	609.1	611.1	615.7	624.5	632.2	637.6	632.7	624.2	617.4	609.4
30°	633.8	635.7	641.2	650.5	655.7	659.3	656.0	649.4	641.2	632.2
32.5°	665.6	668.0	674.1	682.8	683.9	684.5	683.4	680.1	674.1	663.1
35°	705.9	708.6	715.5	722.6	721.5	722.6	720.9	719.8	715.5	702.8
37.5°	755.2	758.5	765.6	771.1	768.3	767.0	767.2	767.5	765.0	751.1
40°	812.5	816.8	822.0	827.8	823.1	819.0	821.8	824.0	821.8	807.5
42.5°	871.4	877.7	883.1	891.4	887.5	882.3	886.2	888.6	884.0	868.6
45°	936.9	942.9	950.0	962.3	959.6	954.1	959.6	960.1	952.2	934.1
47.5°	1004.5	1010.8	1021.5	1038.0	1036.9	1030.8	1038.0	1034.1	1024.0	1002.3
50°	1068.7	1077.4	1093.9	1116.9	1119.1	1111.7	1121.3	1113.9	1096.9	1069.8
52.5°	1128.9	1138.3	1164.3	1195.5	1203.5	1193.9	1206.8	1193.9	1168.4	1133.6
55°	1192.2	1202.7	1233.6	1274.4	1290.3	1283.2	1295.3	1275.8	1239.6	1197.4
57.5°	1266.8	1273.1	1310.1	1358.6	1385.4	1387.1	1392.5	1359.7	1315.8	1267.9
60°	1347.6	1356.4	1396.7	1454.7	1497.2	1510.9	1505.2	1456.4	1405.4	1350.3
62.5°	1451.2	1460.8	1509.0	1578.6	1645.7	1679.7	1657.2	1586.5	1523.5	1457.5
65°	1536.9	1547.6	1634.8	1758.9	1881.1	1949.3	1892.9	1762.7	1649.3	1556.1
67.5°	1474.7	1487.9	1624.6	1852.6	2156.5	2360.1	2166.9	1880.6	1658.3	1532.0
70°	1289.0	1301.3	1460.8	1739.4	2234.0	2680.1	2280.6	1790.7	1466.0	1324.6
72.5°	855.7	895.5	1056.9	1391.2	1994.8	2480.1	2014.6	1362.9	980.4	853.8
75°	283.9	315.7	425.8	721.2	1336.1	1854.8	1272.0	638.2	337.3	242.8
77.5°	71.5	82.5	113.7	206.3	533.0	1056.1	479.8	168.5	91.8	64.1
80°	34.8	38.4	54.8	68.8	133.4	335.7	125.2	64.7	43.3	33.4
82.5°	19.2	19.5	31.0	38.9	49.6	86.9	51.5	37.8	24.9	20.3
85°	11.8	11.5	16.4	20.8	20.8	31.0	24.7	20.8	14.2	12.6
87.5°	4.7	4.7	6.0	6.6	5.8	7.9	6.3	6.9	5.5	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
522.8
525.6
529.7
534.6
539.3
543.9
551.3
560.4
570.8
581.2
593.0
609.1
632.2
663.4
702.8
751.1
807.5
869.7
936.0
1001.0
1069.2
1130.3
1191.7
1261.3
1341.6
1446.0
1540.8
1513.1
1305.7
826.2
229.6
57.3
30.7
20.3
13.2
5.5
0.0

OF REPORT)