

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: P946552

Luminaire Tested: **GALN-SB2A-935-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946552  
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-SB2A-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

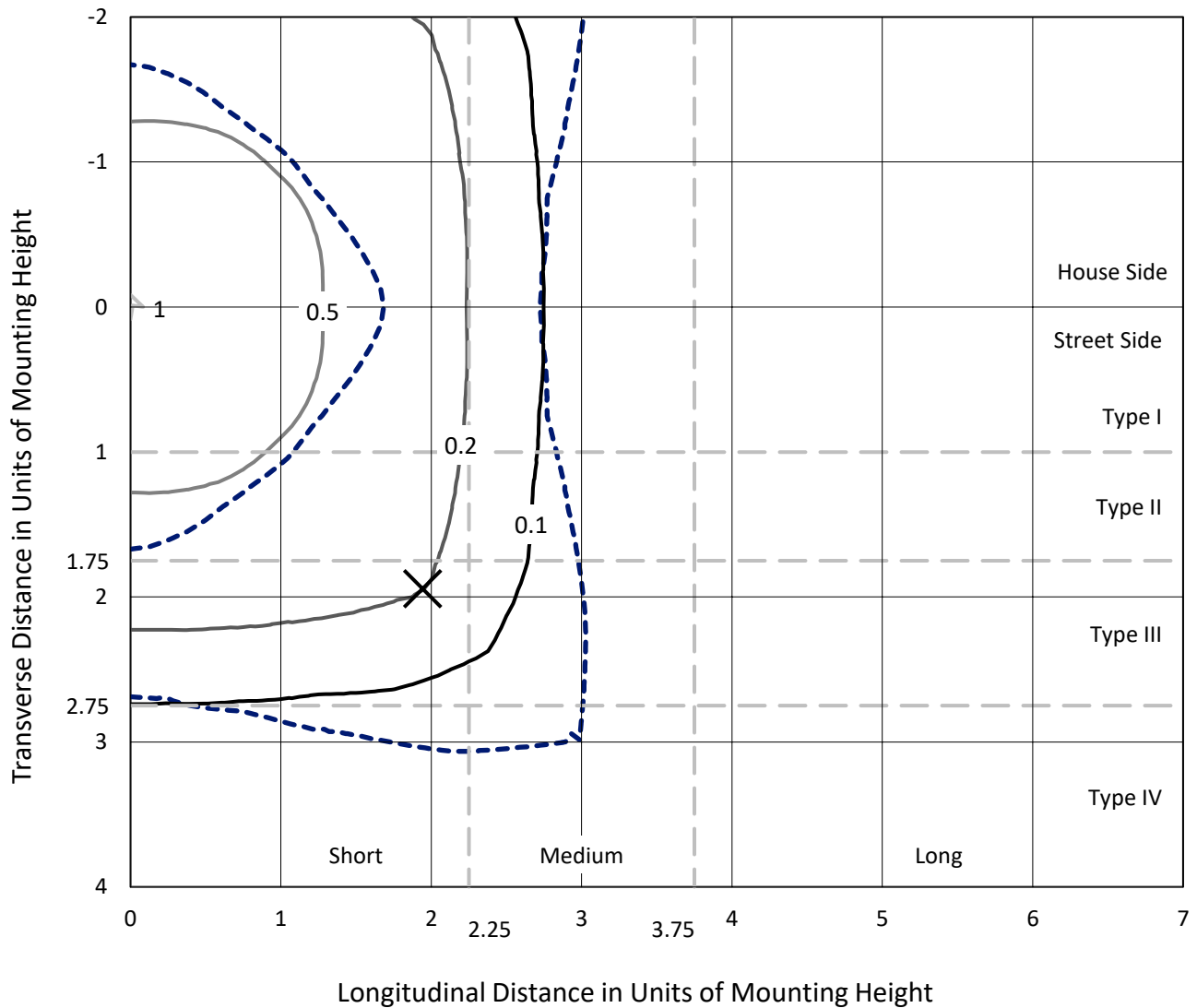
Lumens per Lamp: N/A  
Luminaire Lumens: 6535 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

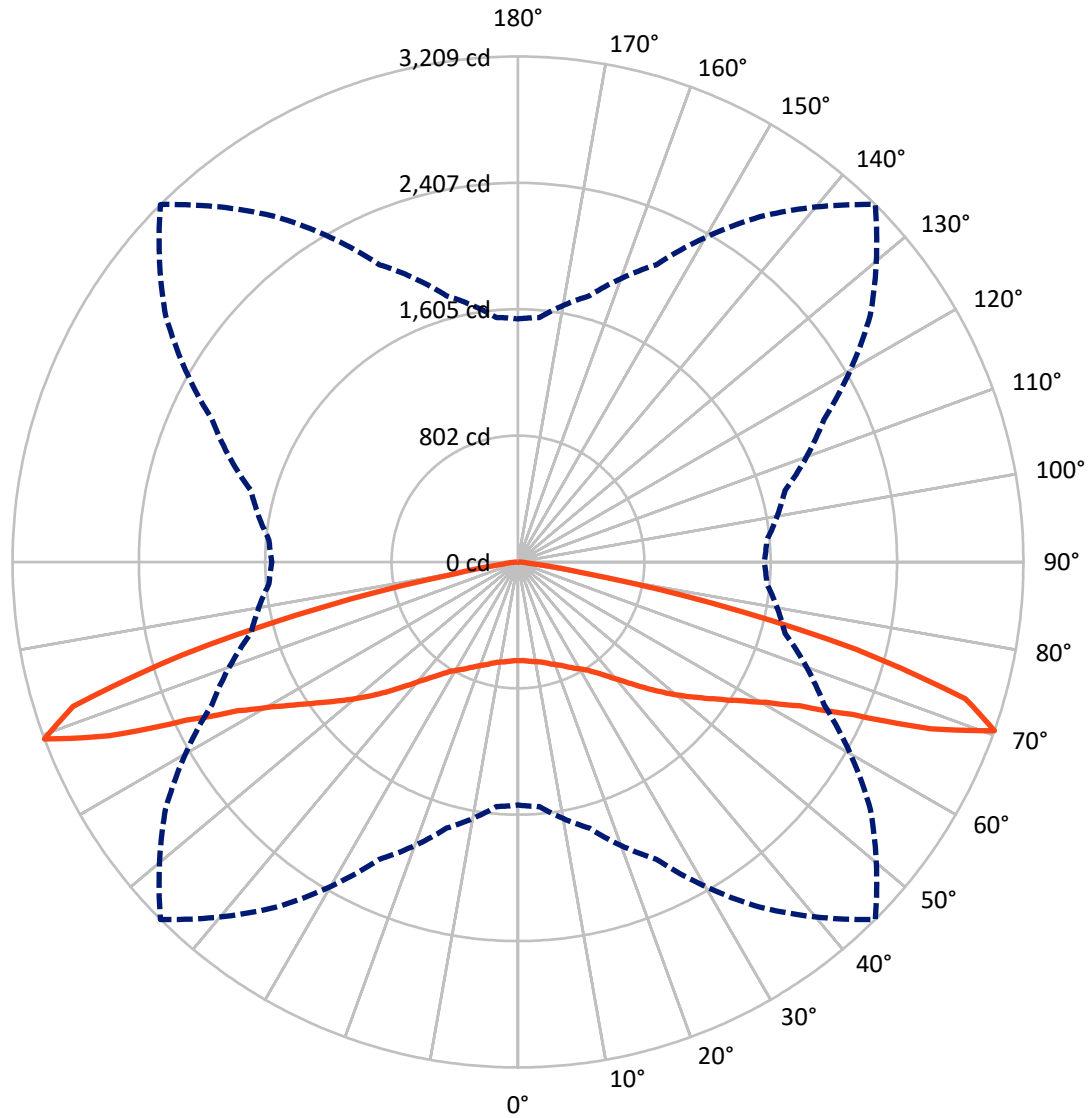
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	3267.5	0.0	3267.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3267.5	0.0	3267.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6535.0	0.0	6535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	0.9
10°-20°	188.6	2.9
20°-30°	337.0	5.2
30°-40°	546.3	8.4
40°-50°	889.8	13.6
50°-60°	1356.7	20.8
60°-70°	2018.3	30.9
70°-80°	1100.0	16.8
80°-90°	37.5	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°	6535.0	100.0
0°-180°	6535.0	100.0

**Coefficient of Utilization**



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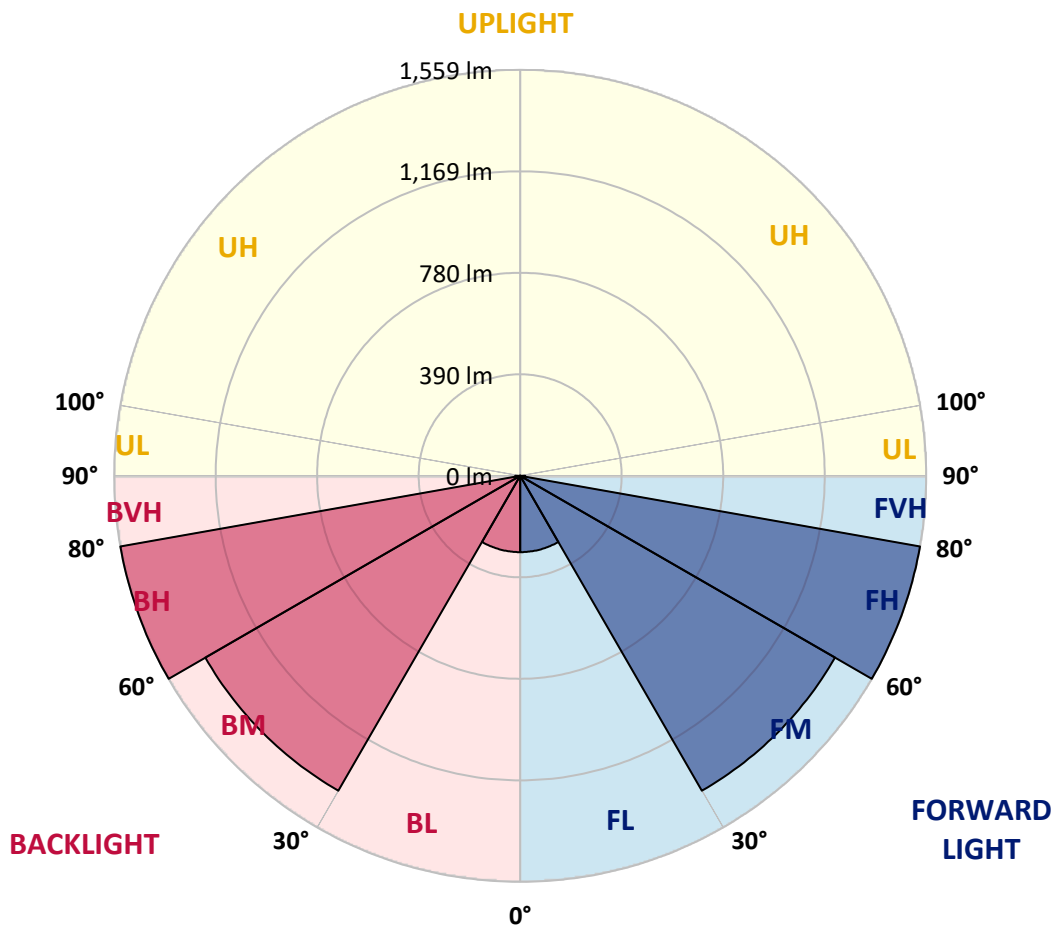
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.2	4.5			
FM (30°-60°)	1396.4	21.4			
FH (60°-80°)	1559.2	23.9			G1/1800
FVH (80°-90°)	18.7	0.3			G1/100
BL (0°-30°)	293.2	4.5	B1/500		
BM (30°-60°)	1396.4	21.4	B2/2500		
BH (60°-80°)	1559.2	23.9	B3/2500		G1/1800
BVH (80°-90°)	18.7	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°	626.0	626.0	626.0	626.0	626.0	626.0	626.0	626.0	626.0	626.0
2.5°	628.9	629.6	628.3	627.6	627.0	626.0	626.3	628.0	629.3	628.9
5°	634.2	634.8	633.9	633.5	632.2	631.9	631.9	633.5	634.5	633.9
7.5°	640.1	641.1	639.4	639.1	638.5	637.8	637.5	639.1	640.1	640.1
10°	645.7	646.7	645.3	644.4	643.7	643.7	643.0	644.4	646.0	645.7
12.5°	651.6	652.2	650.9	650.3	650.3	651.2	650.3	650.9	652.2	651.6
15°	658.8	659.1	658.8	659.8	661.4	664.7	661.7	661.1	661.7	660.1
17.5°	668.6	669.3	670.6	672.9	675.2	681.1	675.9	674.2	674.2	670.9
20°	680.8	681.8	683.7	687.7	690.6	696.2	690.9	688.6	687.7	683.4
22.5°	693.6	695.2	698.2	703.4	708.7	713.9	708.7	704.7	701.8	696.2
25°	708.3	710.3	714.9	723.4	730.6	738.2	732.0	724.1	718.2	710.3
27.5°	729.3	731.6	737.2	747.7	756.9	763.5	757.5	747.4	739.2	729.7
30°	758.9	761.2	767.7	778.9	785.1	789.4	785.4	777.6	767.7	756.9
32.5°	796.9	799.9	807.1	817.6	818.9	819.6	818.2	814.3	807.1	794.0
35°	845.1	848.4	856.6	865.2	863.8	865.2	863.2	861.9	856.6	841.5
37.5°	904.2	908.1	916.7	923.2	919.9	918.3	918.6	919.0	916.0	899.3
40°	972.8	978.0	984.3	991.1	985.6	980.6	983.9	986.6	983.9	966.9
42.5°	1043.3	1050.9	1057.4	1067.3	1062.7	1056.4	1061.0	1064.0	1058.4	1040.0
45°	1121.7	1128.9	1137.5	1152.2	1149.0	1142.4	1149.0	1149.6	1140.1	1118.4
47.5°	1202.8	1210.3	1223.1	1242.8	1241.5	1234.3	1242.8	1238.2	1226.1	1200.1
50°	1279.5	1290.0	1309.7	1337.3	1339.9	1331.0	1342.5	1333.7	1313.3	1280.8
52.5°	1351.7	1362.9	1394.0	1431.4	1440.9	1429.5	1444.9	1429.5	1399.0	1357.3
55°	1427.5	1440.0	1477.0	1525.9	1545.0	1536.4	1550.9	1527.6	1484.3	1433.7
57.5°	1516.7	1524.3	1568.6	1626.6	1658.8	1660.8	1667.3	1628.0	1575.5	1518.0
60°	1613.5	1624.0	1672.2	1741.8	1792.7	1809.1	1802.2	1743.8	1682.7	1616.8
62.5°	1737.5	1749.0	1806.8	1890.1	1970.5	2011.2	1984.3	1899.6	1824.2	1745.1
65°	1840.2	1853.0	1957.4	2106.0	2252.3	2334.0	2266.4	2110.6	1974.7	1863.2
67.5°	1765.8	1781.5	1945.2	2218.2	2582.0	2825.8	2594.5	2251.6	1985.6	1834.3
70°	1543.3	1558.1	1749.0	2082.7	2674.9	3209.0	2730.6	2144.0	1755.3	1586.0
72.5°	1024.6	1072.2	1265.4	1665.7	2388.5	2969.5	2412.1	1631.9	1173.9	1022.3
75°	339.9	378.0	509.8	863.5	1599.7	2220.8	1523.0	764.1	403.9	290.7
77.5°	85.6	98.8	136.2	247.0	638.1	1264.4	574.5	201.8	109.9	76.8
80°	41.7	45.9	65.6	82.3	159.8	401.9	149.9	77.4	51.8	40.0
82.5°	23.0	23.3	37.1	46.6	59.4	104.0	61.7	45.3	29.9	24.3
85°	14.1	13.8	19.7	24.9	24.9	37.1	29.5	24.9	17.1	15.1
87.5°	5.6	5.6	7.2	7.9	6.9	9.5	7.5	8.2	6.6	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
626.0
629.3
634.2
640.1
645.7
651.2
660.1
670.9
683.4
695.9
710.0
729.3
756.9
794.3
841.5
899.3
966.9
1041.3
1120.7
1198.5
1280.2
1353.3
1426.8
1510.2
1606.3
1731.3
1844.8
1811.7
1563.3
989.2
274.9
68.6
36.7
24.3
15.7
6.6
0.0

OF REPORT)