

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: P946511

Luminaire Tested: **GALN-SB2A-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2A-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

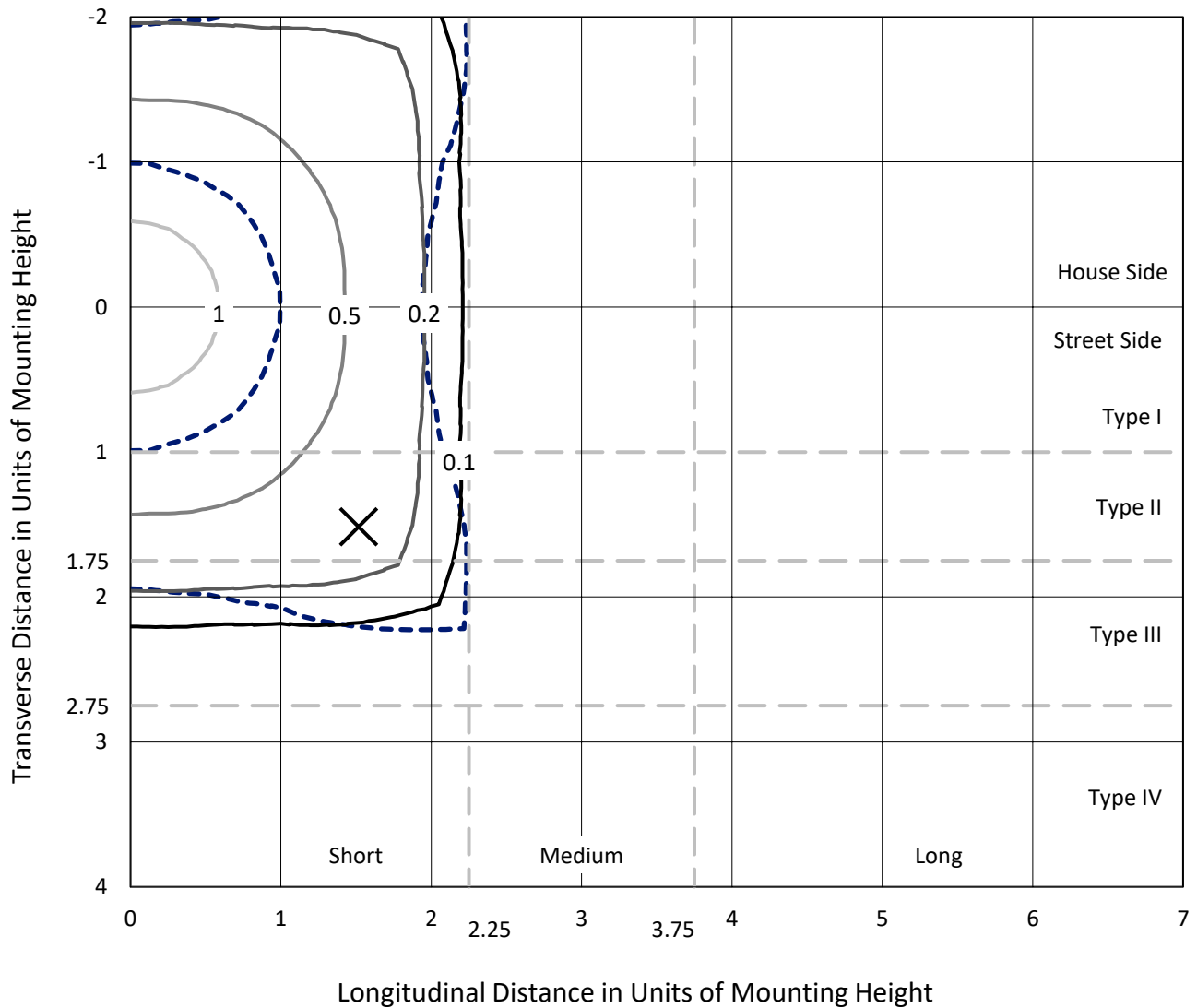
Lumens per Lamp: N/A  
Luminaire Lumens: 5722 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

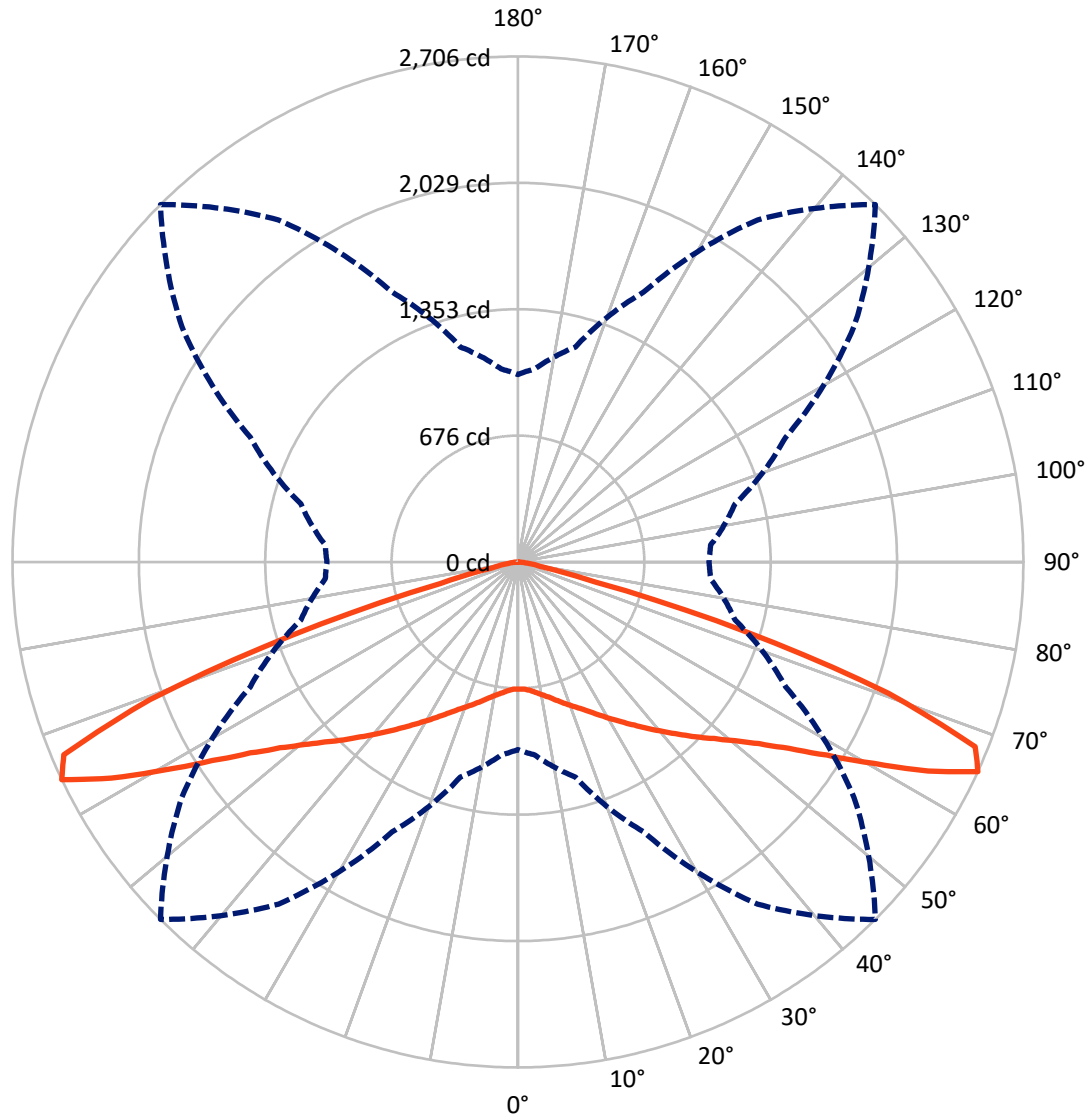
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2861.0	0.0	2861.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2861.0	0.0	2861.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5722.0	0.0	5722.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.2	1.2
10°-20°	219.3	3.8
20°-30°	414.1	7.2
30°-40°	678.0	11.8
40°-50°	1051.3	18.4
50°-60°	1552.9	27.1
60°-70°	1478.2	25.8
70°-80°	238.5	4.2
80°-90°	22.5	0.4
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°	5722.0	100.0
0°-180°	5722.0	100.0

**Coefficient of Utilization**



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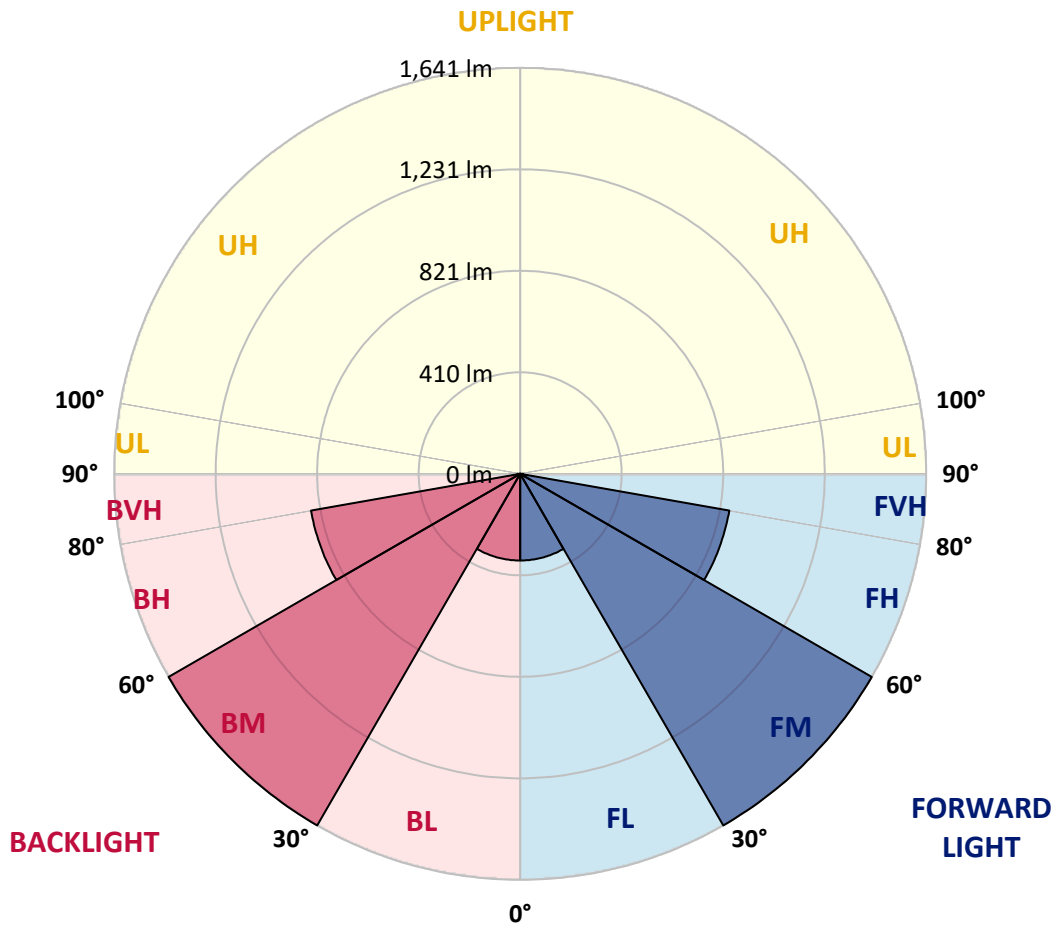
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.3	6.1			
FM (30°-60°)	1641.1	28.7			
FH (60°-80°)	858.4	15.0			G1/1800
FVH (80°-90°)	11.2	0.2			G1/100
BL (0°-30°)	350.3	6.1	B1/500		
BM (30°-60°)	1641.1	28.7	B2/2500		
BH (60°-80°)	858.4	15.0	B2/1000		G1/1800
BVH (80°-90°)	11.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	685.6	683.3	685.0	683.6	682.4	681.3	681.8	683.8	684.7	685.0
5°	694.8	692.7	693.6	693.6	691.6	691.0	691.3	692.7	694.5	694.5
7.5°	709.7	707.7	709.7	708.5	706.8	706.2	706.0	707.1	709.7	709.7
10°	727.8	725.5	726.6	726.0	724.0	723.2	722.9	724.6	726.9	726.6
12.5°	747.6	745.0	746.4	744.7	744.1	743.3	743.3	743.0	744.4	743.3
15°	769.7	768.0	768.5	767.4	768.3	767.7	765.4	764.2	764.8	763.1
17.5°	795.8	791.8	793.8	793.2	793.2	794.4	790.6	789.2	790.4	788.6
20°	826.0	821.9	822.8	821.6	820.2	821.4	816.8	817.9	818.8	817.6
22.5°	859.0	853.8	853.5	854.1	850.9	851.2	848.1	850.9	852.7	849.5
25°	892.8	887.4	891.1	889.7	885.7	886.5	884.2	887.1	888.5	884.5
27.5°	928.7	925.0	928.4	929.3	924.4	927.9	924.4	927.0	928.4	922.4
30°	970.6	966.9	970.1	972.4	966.6	972.1	969.2	970.9	971.2	964.0
32.5°	1016.3	1010.6	1018.6	1019.7	1013.4	1020.0	1016.3	1018.6	1020.0	1010.3
35°	1072.0	1064.8	1074.0	1072.6	1067.1	1072.6	1069.1	1072.6	1076.0	1064.2
37.5°	1132.0	1124.5	1134.3	1131.7	1126.5	1130.3	1128.3	1130.6	1136.0	1123.4
40°	1198.0	1188.8	1202.0	1197.4	1192.6	1192.0	1193.1	1194.6	1201.8	1187.7
42.5°	1268.6	1258.9	1278.7	1271.5	1264.6	1260.0	1263.8	1266.6	1273.5	1257.7
45°	1349.3	1338.1	1364.0	1355.3	1344.4	1335.0	1341.0	1345.3	1355.3	1336.4
47.5°	1438.3	1425.7	1453.2	1450.7	1432.9	1412.2	1426.0	1438.3	1445.8	1422.8
50°	1525.3	1515.5	1551.7	1554.9	1533.1	1504.1	1523.3	1542.0	1544.0	1513.8
52.5°	1606.8	1597.1	1649.6	1669.4	1649.9	1615.5	1635.8	1654.8	1639.6	1600.5
55°	1672.0	1664.0	1730.9	1782.0	1788.6	1760.1	1772.2	1771.6	1721.7	1661.7
57.5°	1687.8	1686.6	1771.1	1879.3	1948.2	1951.6	1927.8	1866.9	1759.3	1678.6
60°	1616.0	1623.2	1739.2	1930.1	2113.8	2190.2	2087.1	1913.4	1716.5	1604.5
62.5°	1401.3	1420.2	1560.0	1868.1	2247.6	2464.7	2214.9	1842.8	1540.8	1394.7
65°	1004.2	1037.3	1191.7	1594.2	2235.6	2705.8	2196.5	1581.3	1203.2	1034.7
67.5°	455.6	489.2	620.4	1091.5	1943.3	2640.4	1938.7	1103.0	651.4	490.9
70°	165.1	170.8	213.0	436.9	1241.9	2103.8	1295.1	440.1	226.5	182.0
72.5°	99.9	100.8	109.7	156.5	431.5	1277.3	449.9	161.6	112.0	99.3
75°	63.4	62.9	78.1	95.6	153.0	430.9	160.5	95.6	77.8	70.9
77.5°	45.6	47.1	56.0	71.5	96.5	146.1	94.7	68.3	56.0	45.9
80°	34.2	35.0	40.8	55.7	67.8	91.0	60.3	50.5	42.2	28.7
82.5°	24.7	24.7	26.7	40.5	41.3	49.1	32.7	35.6	27.8	20.4
85°	14.6	14.4	16.7	24.1	21.5	18.1	14.9	21.8	17.5	12.6
87.5°	5.2	5.5	5.2	6.9	5.7	4.9	4.6	6.0	4.9	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
681.0
685.0
694.5
708.8
726.0
743.8
763.4
790.1
820.2
852.7
889.1
927.0
968.4
1016.9
1071.4
1131.1
1192.3
1266.1
1346.2
1430.6
1517.6
1601.7
1663.7
1673.4
1591.3
1386.1
1022.3
483.7
179.7
101.1
71.5
46.8
29.6
20.4
12.3
4.0
0.0

OF REPORT)