

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: P946574

Luminaire Tested: **GALN-SB2A-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946574  
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-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

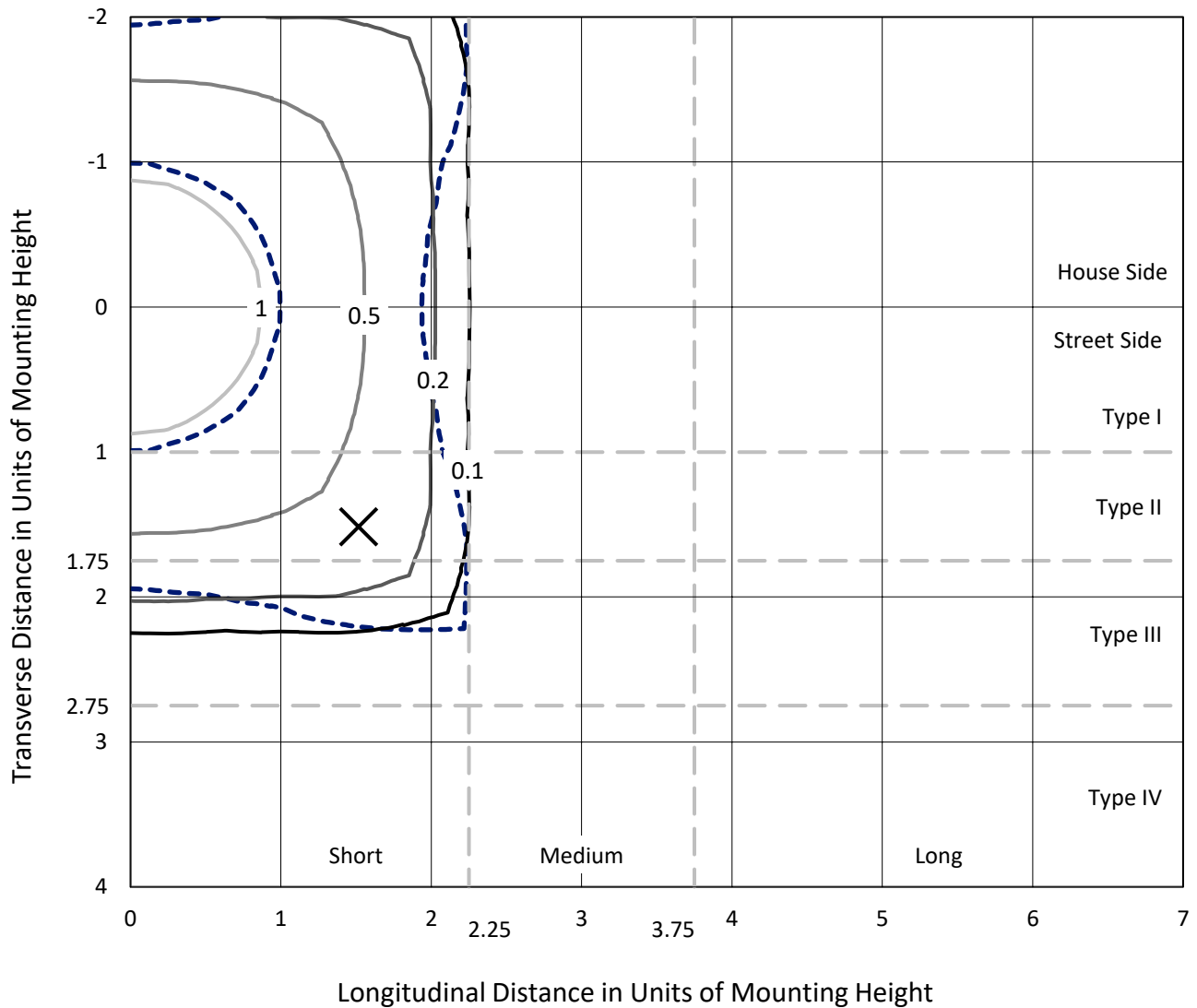
Lumens per Lamp: N/A  
Luminaire Lumens: 6812 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

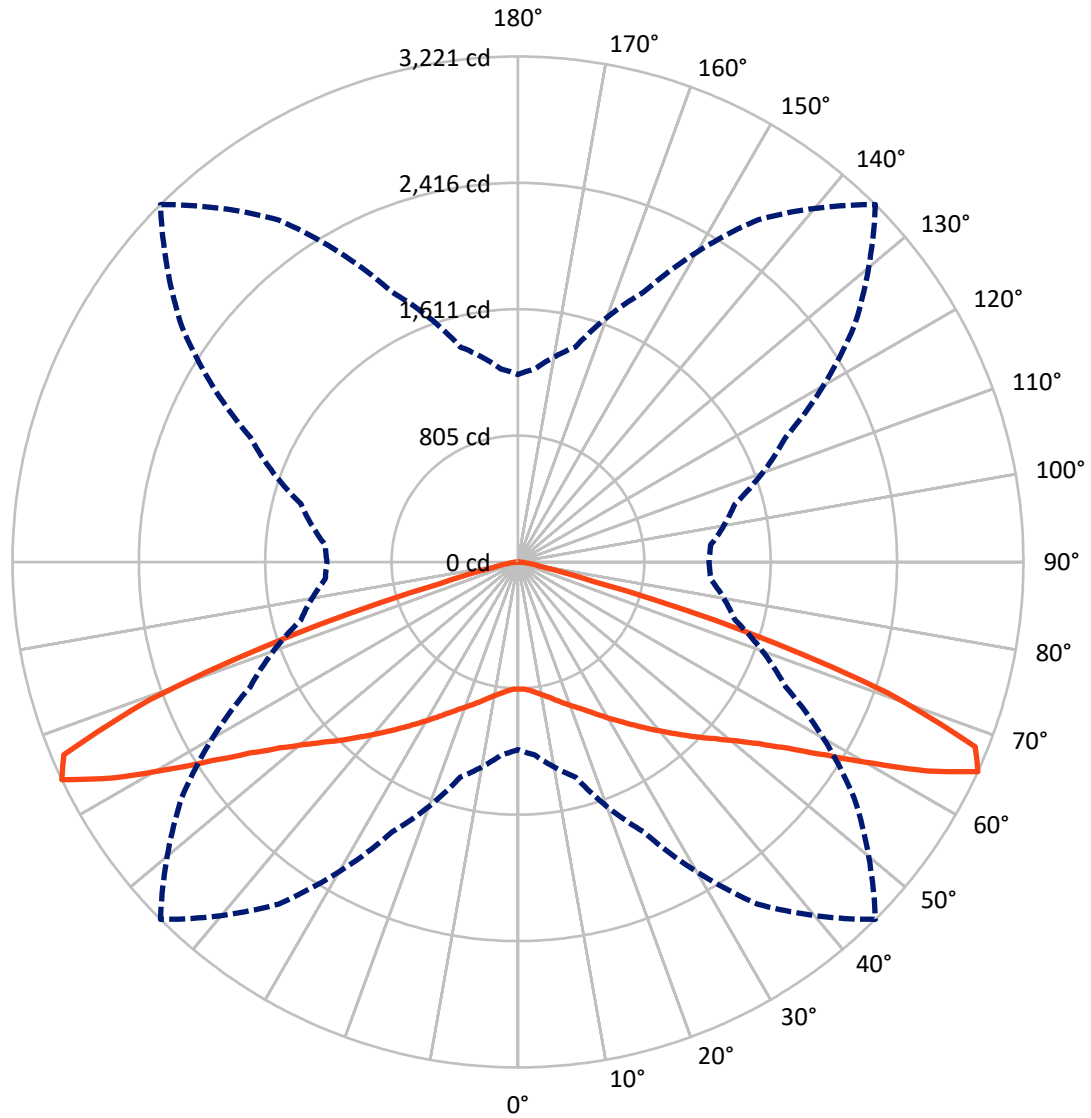
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3406.0	0.0	3406.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3406.0	0.0	3406.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6812.0	0.0	6812.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	1.2
10°-20°	261.1	3.8
20°-30°	492.9	7.2
30°-40°	807.2	11.8
40°-50°	1251.5	18.4
50°-60°	1848.7	27.1
60°-70°	1759.8	25.8
70°-80°	284.0	4.2
80°-90°	26.8	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°	6812.0	100.0
0°-180°	6812.0	100.0

**Coefficient of Utilization**



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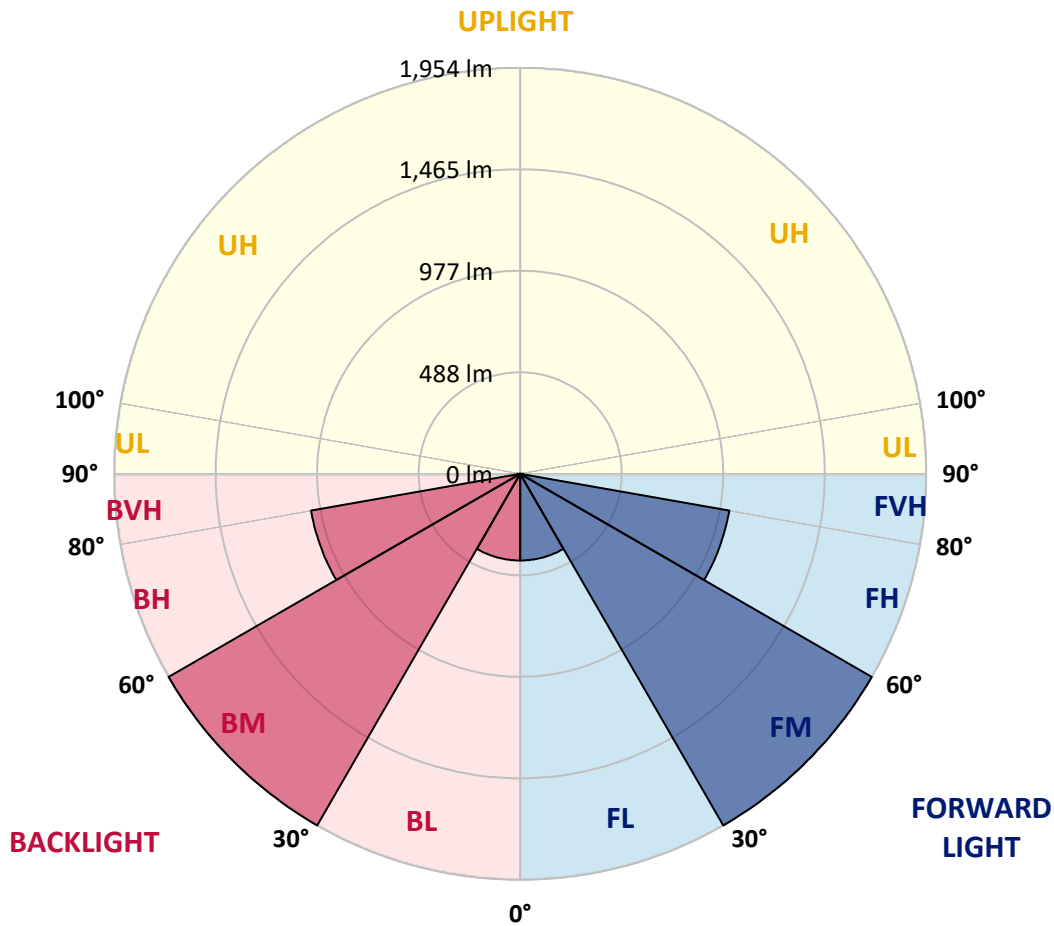
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.0	6.1			
FM (30°-60°)	1953.7	28.7			
FH (60°-80°)	1021.9	15.0			G1/1800
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	417.0	6.1	B1/500		
BM (30°-60°)	1953.7	28.7	B2/2500		
BH (60°-80°)	1021.9	15.0	B3/2500		G1/1800
BVH (80°-90°)	13.4	0.2			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°	810.7	810.7	810.7	810.7	810.7	810.7	810.7	810.7	810.7	810.7
2.5°	816.2	813.4	815.5	813.8	812.4	811.0	811.7	814.1	815.1	815.5
5°	827.1	824.7	825.7	825.7	823.3	822.7	823.0	824.7	826.8	826.8
7.5°	844.9	842.5	844.9	843.5	841.5	840.8	840.4	841.8	844.9	844.9
10°	866.4	863.7	865.0	864.4	862.0	860.9	860.6	862.6	865.4	865.0
12.5°	890.0	886.9	888.6	886.6	885.9	884.9	884.9	884.5	886.2	884.9
15°	916.3	914.3	914.9	913.6	914.6	913.9	911.2	909.8	910.5	908.4
17.5°	947.4	942.6	945.0	944.3	944.3	945.7	941.3	939.5	940.9	938.9
20°	983.3	978.5	979.5	978.2	976.5	977.8	972.4	973.7	974.7	973.4
22.5°	1022.6	1016.4	1016.1	1016.8	1013.0	1013.4	1009.6	1013.0	1015.1	1011.3
25°	1062.9	1056.4	1060.9	1059.2	1054.4	1055.4	1052.7	1056.1	1057.8	1053.0
27.5°	1105.7	1101.2	1105.3	1106.3	1100.5	1104.6	1100.5	1103.6	1105.3	1098.1
30°	1155.5	1151.1	1154.9	1157.6	1150.8	1157.3	1153.8	1155.9	1156.2	1147.7
32.5°	1209.9	1203.1	1212.6	1214.0	1206.5	1214.3	1209.9	1212.6	1214.3	1202.7
35°	1276.2	1267.7	1278.6	1276.9	1270.4	1276.9	1272.8	1276.9	1281.0	1267.0
37.5°	1347.6	1338.7	1350.4	1347.3	1341.1	1345.6	1343.2	1345.9	1352.4	1337.4
40°	1426.2	1415.3	1431.0	1425.6	1419.7	1419.1	1420.4	1422.1	1430.7	1413.9
42.5°	1510.3	1498.7	1522.3	1513.7	1505.5	1500.1	1504.5	1507.9	1516.1	1497.3
45°	1606.4	1593.0	1623.8	1613.5	1600.5	1589.3	1596.4	1601.6	1613.5	1591.0
47.5°	1712.3	1697.3	1730.1	1727.0	1705.8	1681.2	1697.6	1712.3	1721.2	1693.8
50°	1815.9	1804.2	1847.3	1851.1	1825.1	1790.6	1813.5	1835.7	1838.1	1802.2
52.5°	1912.9	1901.3	1963.9	1987.4	1964.2	1923.2	1947.4	1970.0	1951.9	1905.4
55°	1990.5	1980.9	2060.6	2121.4	2129.3	2095.4	2109.8	2109.1	2049.6	1978.2
57.5°	2009.3	2007.9	2108.4	2237.3	2319.3	2323.4	2295.0	2222.6	2094.4	1998.4
60°	1923.9	1932.4	2070.5	2297.8	2516.5	2607.4	2484.7	2277.9	2043.5	1910.2
62.5°	1668.2	1690.8	1857.2	2223.9	2675.8	2934.2	2636.8	2193.9	1834.3	1660.4
65°	1195.5	1234.8	1418.7	1897.9	2661.4	3221.3	2614.9	1882.5	1432.4	1231.8
67.5°	542.4	582.4	738.6	1299.4	2313.5	3143.3	2308.0	1313.1	775.5	584.4
70°	196.5	203.4	253.6	520.2	1478.5	2504.5	1541.8	523.9	269.7	216.7
72.5°	118.9	120.0	130.6	186.3	513.7	1520.6	535.6	192.4	133.3	118.3
75°	75.5	74.8	93.0	113.8	182.2	513.0	191.1	113.8	92.6	84.4
77.5°	54.3	56.1	66.6	85.1	114.8	174.0	112.8	81.3	66.6	54.7
80°	40.7	41.7	48.5	66.3	80.7	108.3	71.8	60.2	50.2	34.2
82.5°	29.4	29.4	31.8	48.2	49.2	58.4	39.0	42.4	33.2	24.3
85°	17.4	17.1	19.8	28.7	25.6	21.5	17.8	26.0	20.8	15.0
87.5°	6.2	6.5	6.2	8.2	6.8	5.8	5.5	7.2	5.8	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
810.7
815.5
826.8
843.8
864.4
885.5
908.8
940.6
976.5
1015.1
1058.5
1103.6
1152.8
1210.6
1275.5
1346.6
1419.4
1507.2
1602.6
1703.1
1806.6
1906.8
1980.6
1992.2
1894.5
1650.1
1217.1
575.9
214.0
120.3
85.1
55.7
35.2
24.3
14.7
4.8
0.0

OF REPORT)