

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: P945860

Luminaire Tested: **GALN-SB1C-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945860  
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-SB1C-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5689 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

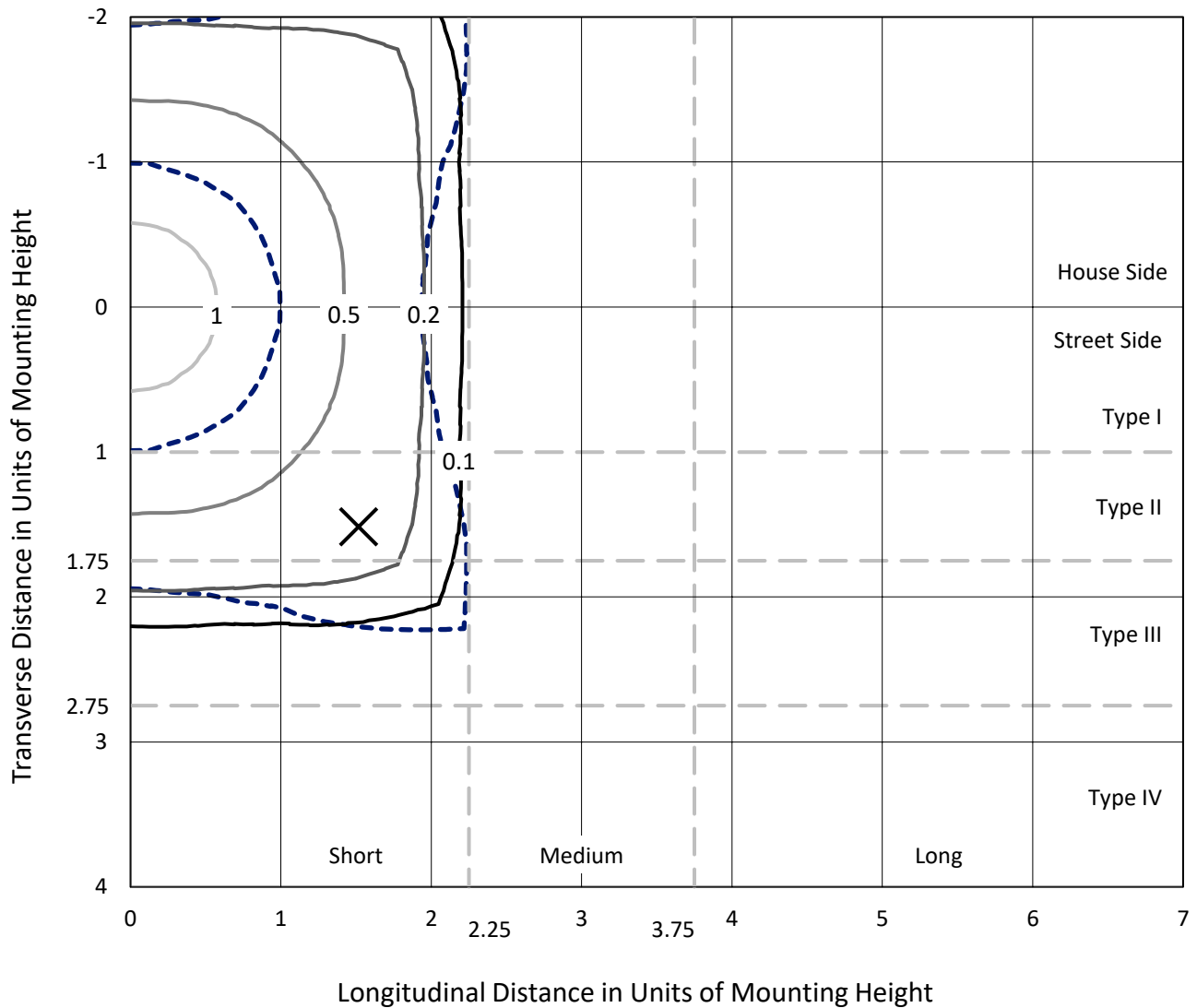
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

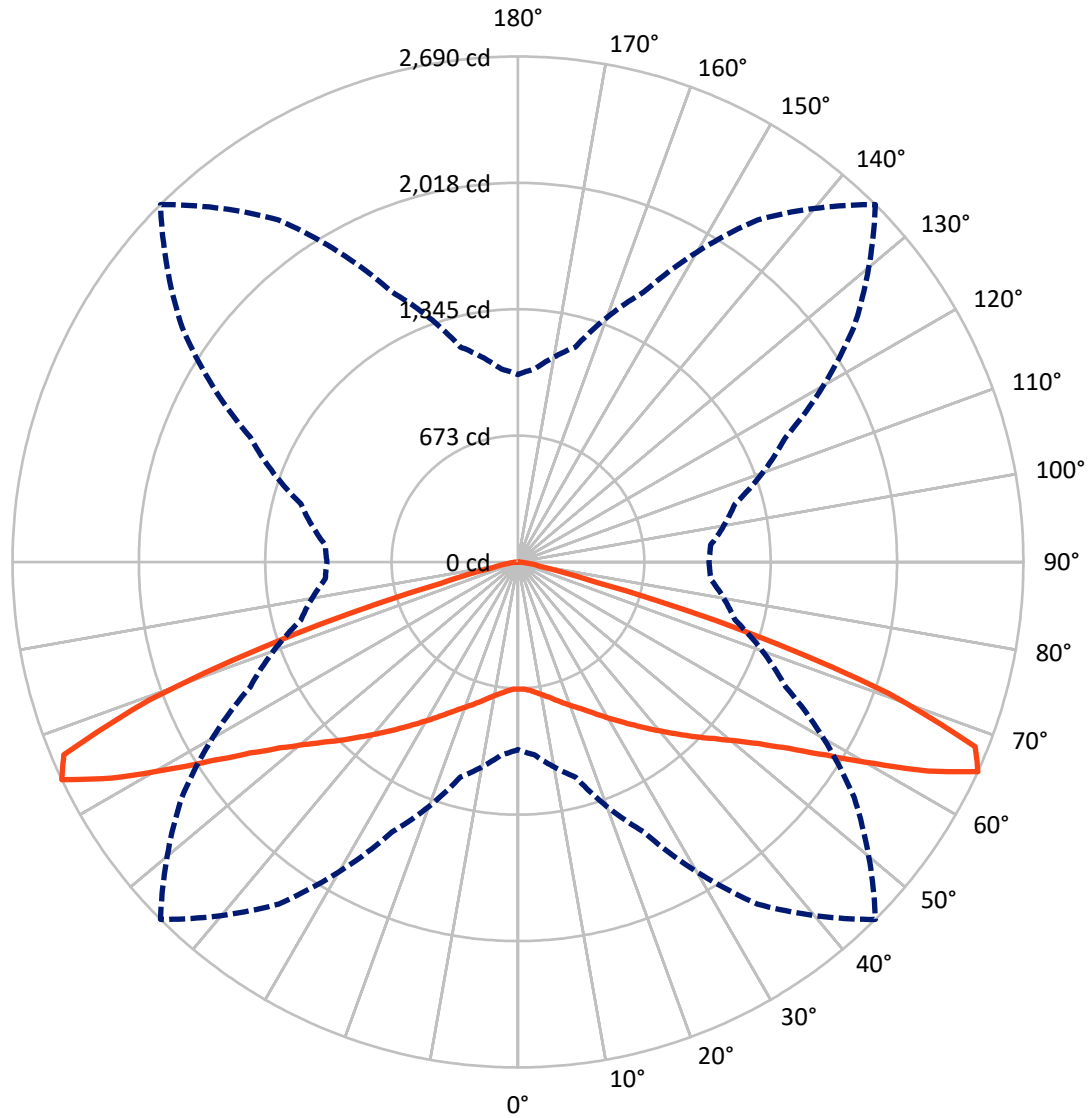
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	2844.5	0.0	2844.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2844.5	0.0	2844.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5689.0	0.0	5689.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.8	1.2
10°-20°	218.0	3.8
20°-30°	411.7	7.2
30°-40°	674.1	11.8
40°-50°	1045.2	18.4
50°-60°	1544.0	27.1
60°-70°	1469.7	25.8
70°-80°	237.2	4.2
80°-90°	22.4	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°	5689.0	100.0
0°-180°	5689.0	100.0

**Coefficient of Utilization**



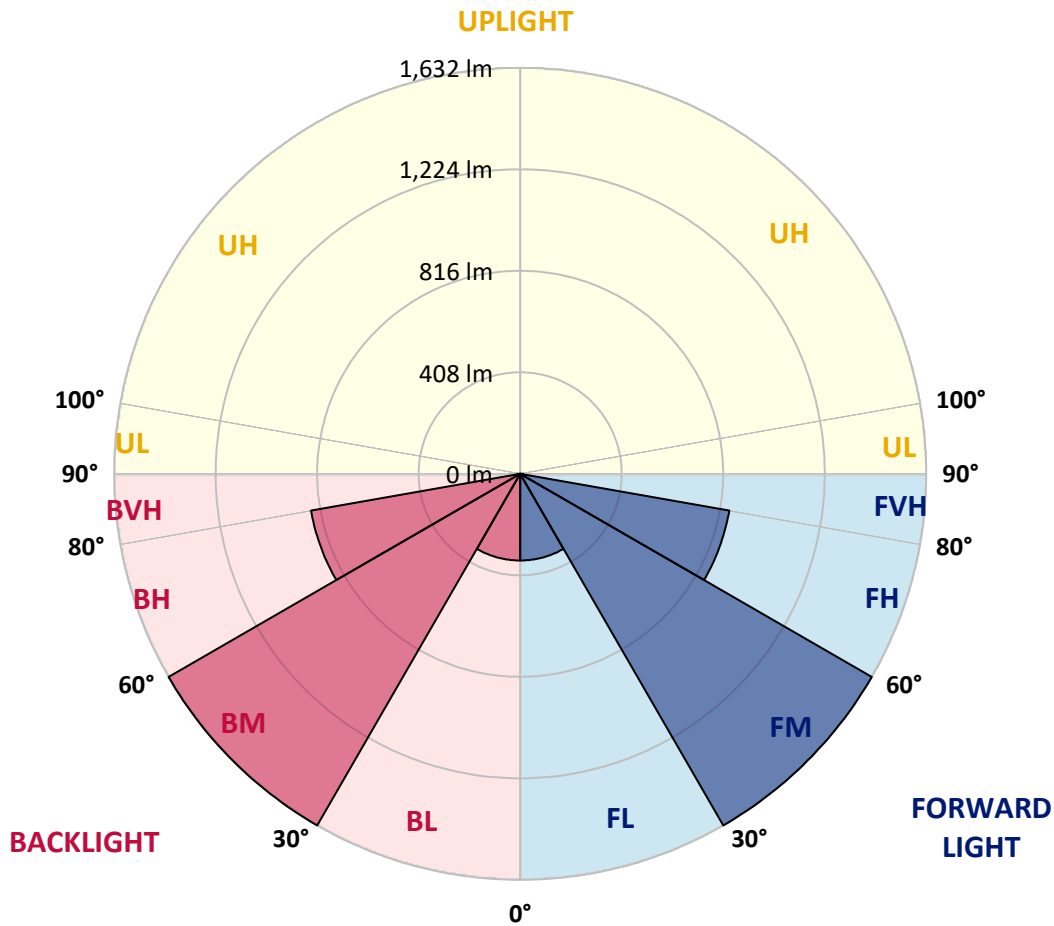
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.3	6.1			
FM (30°-60°)	1631.6	28.7			
FH (60°-80°)	853.4	15.0			G1/1800
FVH (80°-90°)	11.2	0.2			G1/100
BL (0°-30°)	348.3	6.1	B1/500		
BM (30°-60°)	1631.6	28.7	B2/2500		
BH (60°-80°)	853.4	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°	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0
2.5°	681.6	679.3	681.0	679.6	678.5	677.3	677.9	679.9	680.8	681.0
5°	690.7	688.8	689.6	689.6	687.6	687.0	687.3	688.8	690.5	690.5
7.5°	705.6	703.6	705.6	704.4	702.7	702.2	701.9	703.0	705.6	705.6
10°	723.6	721.3	722.4	721.9	719.9	719.0	718.7	720.4	722.7	722.4
12.5°	743.3	740.7	742.1	740.4	739.8	739.0	739.0	738.7	740.1	739.0
15°	765.2	763.5	764.1	763.0	763.8	763.2	761.0	759.8	760.4	758.7
17.5°	791.2	787.2	789.2	788.7	788.7	789.8	786.1	784.7	785.8	784.1
20°	821.2	817.2	818.1	816.9	815.5	816.6	812.1	813.2	814.1	812.9
22.5°	854.0	848.9	848.6	849.2	846.0	846.3	843.2	846.0	847.7	844.6
25°	887.7	882.3	886.0	884.6	880.6	881.4	879.1	882.0	883.4	879.4
27.5°	923.4	919.7	923.1	923.9	919.1	922.5	919.1	921.7	923.1	917.1
30°	965.1	961.3	964.5	966.8	961.1	966.5	963.6	965.3	965.6	958.5
32.5°	1010.4	1004.7	1012.7	1013.9	1007.6	1014.1	1010.4	1012.7	1014.1	1004.4
35°	1065.8	1058.7	1067.8	1066.4	1061.0	1066.4	1063.0	1066.4	1069.8	1058.1
37.5°	1125.5	1118.0	1127.7	1125.2	1120.0	1123.8	1121.8	1124.0	1129.5	1116.9
40°	1191.1	1182.0	1195.1	1190.5	1185.7	1185.1	1186.3	1187.7	1194.8	1180.8
42.5°	1261.3	1251.6	1271.3	1264.2	1257.3	1252.8	1256.5	1259.3	1266.2	1250.5
45°	1341.5	1330.4	1356.1	1347.5	1336.7	1327.3	1333.3	1337.5	1347.5	1328.7
47.5°	1430.0	1417.5	1444.9	1442.3	1424.6	1404.0	1417.7	1430.0	1437.4	1414.6
50°	1516.5	1506.8	1542.8	1545.9	1524.2	1495.4	1514.5	1533.1	1535.1	1505.1
52.5°	1597.6	1587.9	1640.1	1659.8	1640.4	1606.1	1626.4	1645.2	1630.1	1591.3
55°	1662.4	1654.4	1720.9	1771.7	1778.2	1750.0	1762.0	1761.4	1711.7	1652.1
57.5°	1678.1	1676.9	1760.8	1868.4	1937.0	1940.4	1916.7	1856.2	1749.1	1668.9
60°	1606.7	1613.8	1729.2	1919.0	2101.6	2177.6	2075.1	1902.4	1706.6	1595.3
62.5°	1393.2	1412.0	1551.0	1857.3	2234.7	2450.4	2202.1	1832.2	1531.9	1386.6
65°	998.4	1031.3	1184.8	1585.0	2222.7	2690.2	2183.9	1572.2	1196.3	1028.7
67.5°	453.0	486.4	616.8	1085.2	1932.1	2625.1	1927.5	1096.6	647.6	488.1
70°	164.1	169.8	211.8	434.4	1234.8	2091.7	1287.6	437.6	225.2	181.0
72.5°	99.3	100.2	109.0	155.6	429.0	1269.9	447.3	160.7	111.3	98.8
75°	63.1	62.5	77.6	95.0	152.1	428.4	159.6	95.0	77.4	70.5
77.5°	45.4	46.8	55.7	71.1	95.9	145.3	94.2	67.9	55.7	45.7
80°	34.0	34.8	40.5	55.4	67.4	90.5	59.9	50.2	42.0	28.5
82.5°	24.5	24.5	26.5	40.2	41.1	48.8	32.5	35.4	27.7	20.3
85°	14.6	14.3	16.6	24.0	21.4	18.0	14.8	21.7	17.4	12.6
87.5°	5.1	5.4	5.1	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°
677.0
681.0
690.5
704.7
721.9
739.6
759.0
785.5
815.5
847.7
884.0
921.7
962.8
1011.0
1065.2
1124.6
1185.4
1258.8
1338.4
1422.3
1508.8
1592.4
1654.1
1663.8
1582.2
1378.1
1016.4
481.0
178.7
100.5
71.1
46.5
29.4
20.3
12.3
4.0
0.0

OF REPORT)