

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: P945377

Luminaire Tested: **GALN-SB1B-835-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945377  
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-SB1B-835-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5475 lumens  
Efficiency: N/A  
Efficacy: 137.6 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

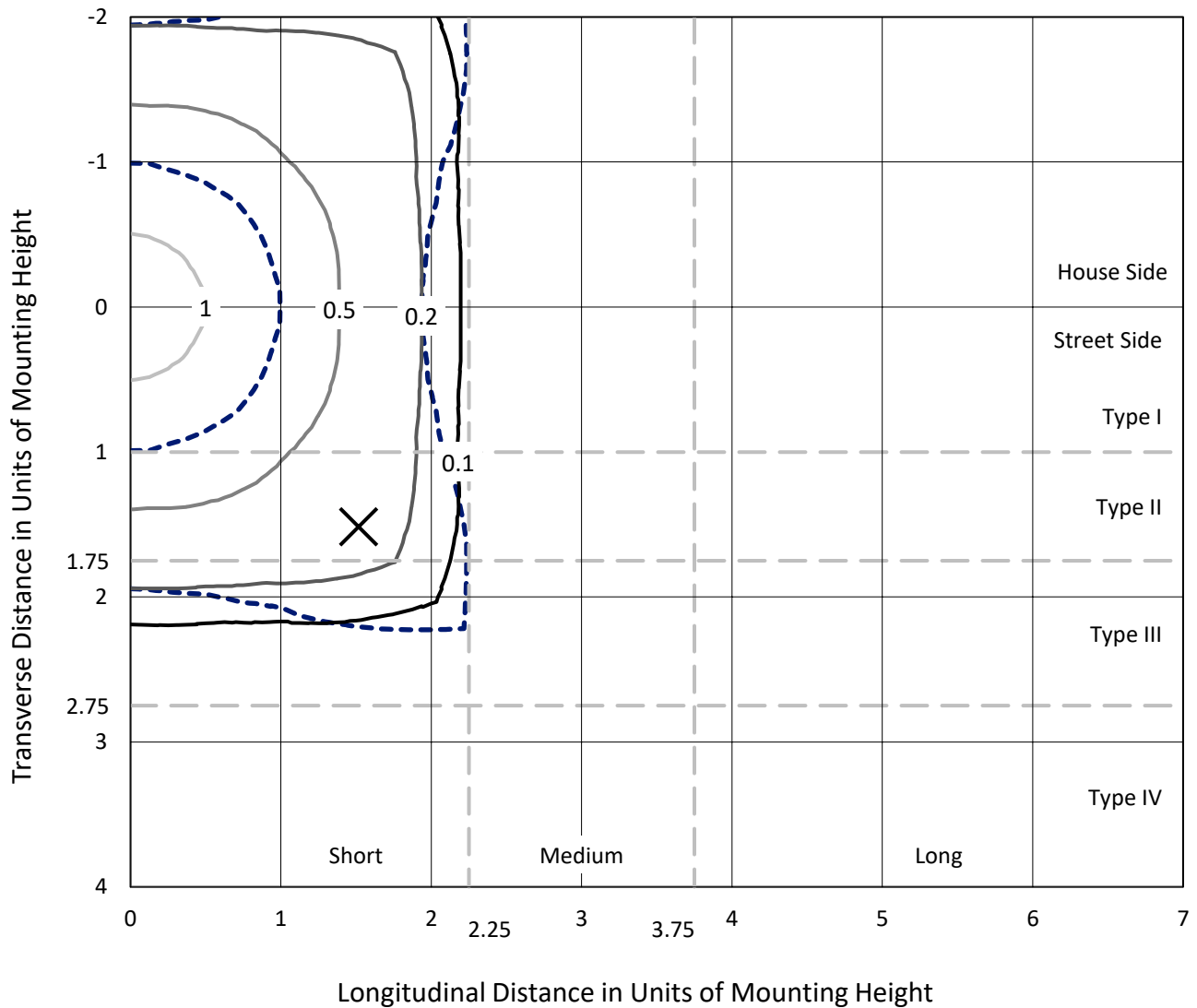
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

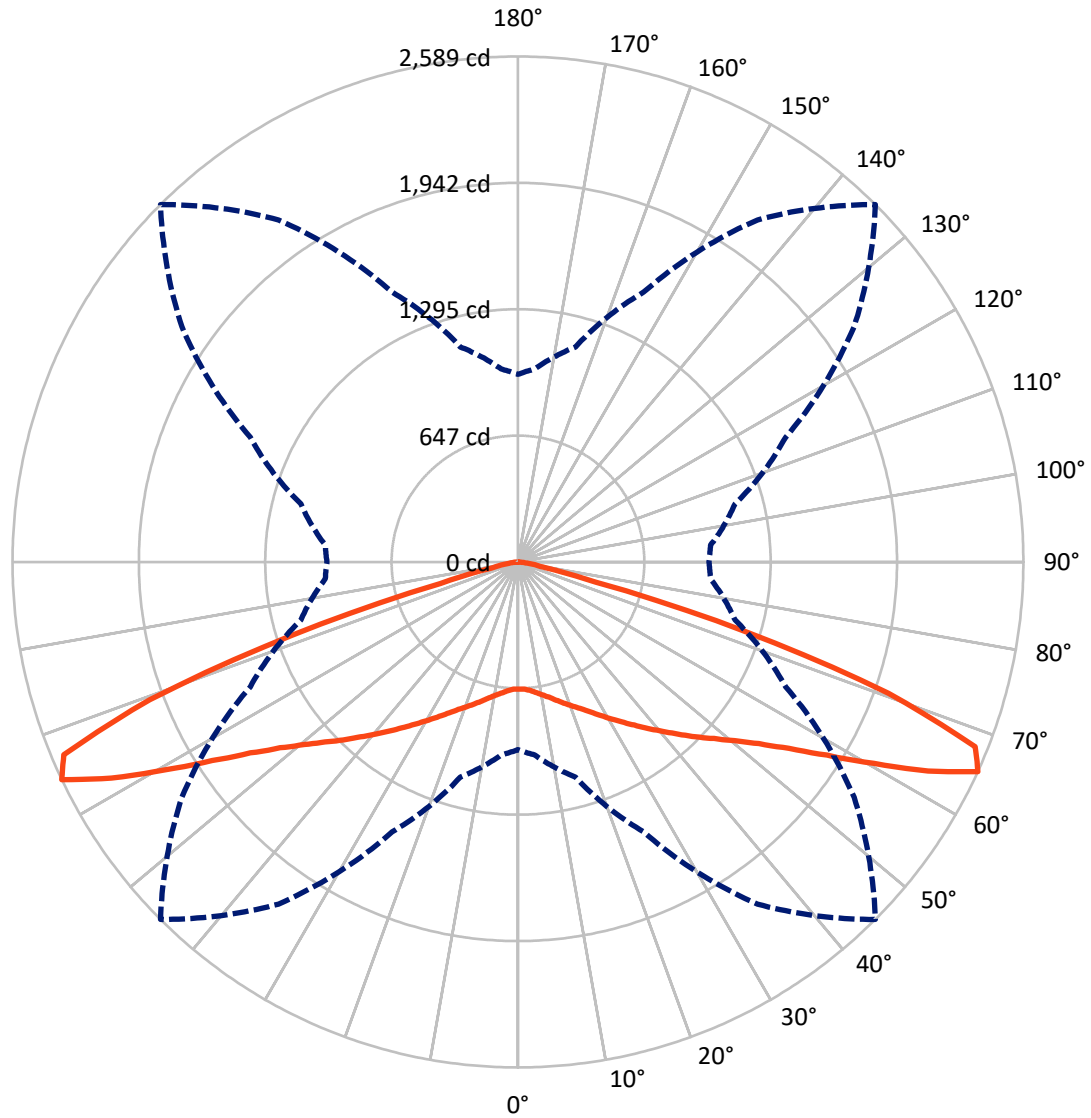
× Max cd  
 - - - 1/2 Max cd



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	2737.5	0.0	2737.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2737.5	0.0	2737.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5475.0	0.0	5475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.3	1.2
10°-20°	209.8	3.8
20°-30°	396.2	7.2
30°-40°	648.7	11.8
40°-50°	1005.9	18.4
50°-60°	1485.9	27.1
60°-70°	1414.4	25.8
70°-80°	228.2	4.2
80°-90°	21.5	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°	5475.0	100.0
0°-180°	5475.0	100.0

**Coefficient of Utilization**



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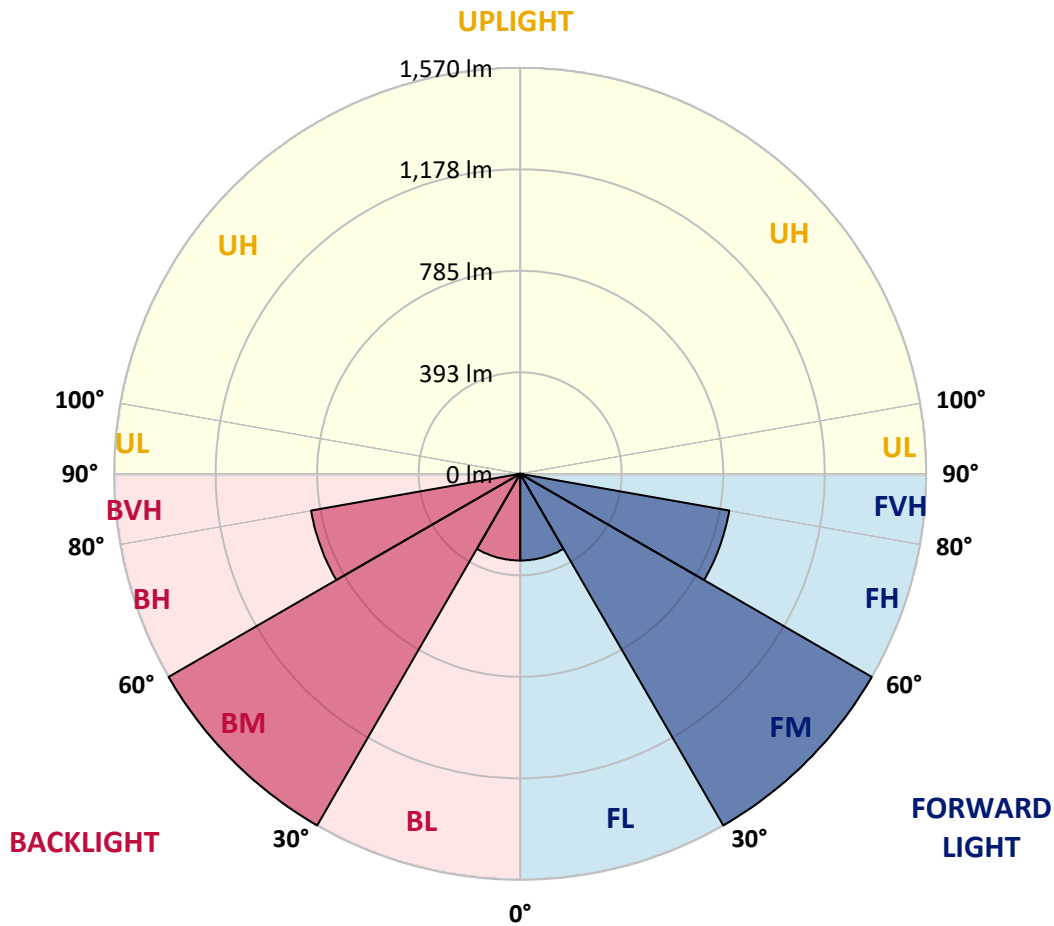
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.2	6.1			
FM (30°-60°)	1570.2	28.7			
FH (60°-80°)	821.3	15.0			G1/1800
FVH (80°-90°)	10.8	0.2			G1/100
BL (0°-30°)	335.2	6.1	B1/500		
BM (30°-60°)	1570.2	28.7	B2/2500		
BH (60°-80°)	821.3	15.0	B2/1000		G1/1800
BVH (80°-90°)	10.8	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°	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6
2.5°	656.0	653.8	655.4	654.1	653.0	651.9	652.4	654.3	655.2	655.4
5°	664.8	662.8	663.7	663.7	661.7	661.2	661.5	662.8	664.5	664.5
7.5°	679.0	677.1	679.0	678.0	676.3	675.8	675.5	676.6	679.0	679.0
10°	696.4	694.2	695.3	694.7	692.8	692.0	691.7	693.3	695.5	695.3
12.5°	715.3	712.8	714.2	712.6	712.0	711.2	711.2	710.9	712.3	711.2
15°	736.5	734.8	735.4	734.3	735.1	734.5	732.3	731.2	731.8	730.1
17.5°	761.5	757.6	759.5	759.0	759.0	760.1	756.5	755.1	756.2	754.6
20°	790.3	786.5	787.3	786.2	784.8	785.9	781.5	782.6	783.4	782.3
22.5°	821.9	816.9	816.7	817.2	814.2	814.5	811.5	814.2	815.8	812.8
25°	854.3	849.1	852.7	851.3	847.4	848.3	846.1	848.8	850.2	846.3
27.5°	888.6	885.1	888.4	889.2	884.5	887.8	884.5	887.0	888.4	882.6
30°	928.7	925.2	928.2	930.4	924.9	930.1	927.4	929.0	929.3	922.4
32.5°	972.4	966.9	974.6	975.7	969.7	976.0	972.4	974.6	976.0	966.7
35°	1025.7	1018.8	1027.6	1026.3	1021.0	1026.3	1023.0	1026.3	1029.6	1018.3
37.5°	1083.1	1076.0	1085.3	1082.9	1077.9	1081.5	1079.6	1081.8	1087.0	1074.9
40°	1146.3	1137.5	1150.2	1145.8	1141.1	1140.5	1141.6	1143.0	1149.9	1136.4
42.5°	1213.9	1204.5	1223.5	1216.6	1210.0	1205.6	1209.2	1212.0	1218.6	1203.4
45°	1291.1	1280.4	1305.1	1296.8	1286.4	1277.3	1283.1	1287.2	1296.8	1278.7
47.5°	1376.2	1364.1	1390.5	1388.0	1371.0	1351.2	1364.4	1376.2	1383.4	1361.4
50°	1459.5	1450.1	1484.7	1487.8	1466.9	1439.1	1457.5	1475.4	1477.3	1448.5
52.5°	1537.5	1528.1	1578.4	1597.4	1578.7	1545.7	1565.2	1583.3	1568.8	1531.4
55°	1599.8	1592.1	1656.1	1705.0	1711.4	1684.2	1695.7	1695.2	1647.4	1589.9
57.5°	1614.9	1613.8	1694.6	1798.2	1864.1	1867.4	1844.6	1786.4	1683.3	1606.1
60°	1546.3	1553.1	1664.1	1846.8	2022.6	2095.7	1997.0	1830.9	1642.4	1535.3
62.5°	1340.8	1358.9	1492.7	1787.4	2150.6	2358.3	2119.3	1763.3	1474.3	1334.5
65°	960.9	992.5	1140.3	1525.4	2139.1	2589.0	2101.7	1513.0	1151.3	990.0
67.5°	435.9	468.1	593.6	1044.4	1859.4	2526.4	1855.0	1055.4	623.3	469.7
70°	158.0	163.4	203.8	418.1	1188.3	2013.0	1239.2	421.1	216.7	174.2
72.5°	95.6	96.4	104.9	149.7	412.9	1222.1	430.4	154.7	107.1	95.0
75°	60.7	60.2	74.7	91.5	146.4	412.3	153.6	91.5	74.4	67.9
77.5°	43.7	45.1	53.6	68.4	92.3	139.8	90.6	65.4	53.6	44.0
80°	32.7	33.5	39.0	53.3	64.8	87.1	57.7	48.3	40.4	27.5
82.5°	23.6	23.6	25.5	38.7	39.6	47.0	31.3	34.1	26.6	19.5
85°	14.0	13.7	15.9	23.1	20.6	17.3	14.3	20.9	16.8	12.1
87.5°	4.9	5.2	4.9	6.6	5.5	4.7	4.4	5.8	4.7	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
651.6
655.4
664.5
678.2
694.7
711.7
730.4
756.0
784.8
815.8
850.7
887.0
926.6
973.0
1025.2
1082.3
1140.8
1211.4
1288.1
1368.8
1452.0
1532.5
1591.9
1601.2
1522.6
1326.2
978.2
462.9
172.0
96.7
68.4
44.8
28.3
19.5
11.8
3.8
0.0

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