

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: P945737

Luminaire Tested: **GALN-SB1C-835-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945737  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-835-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

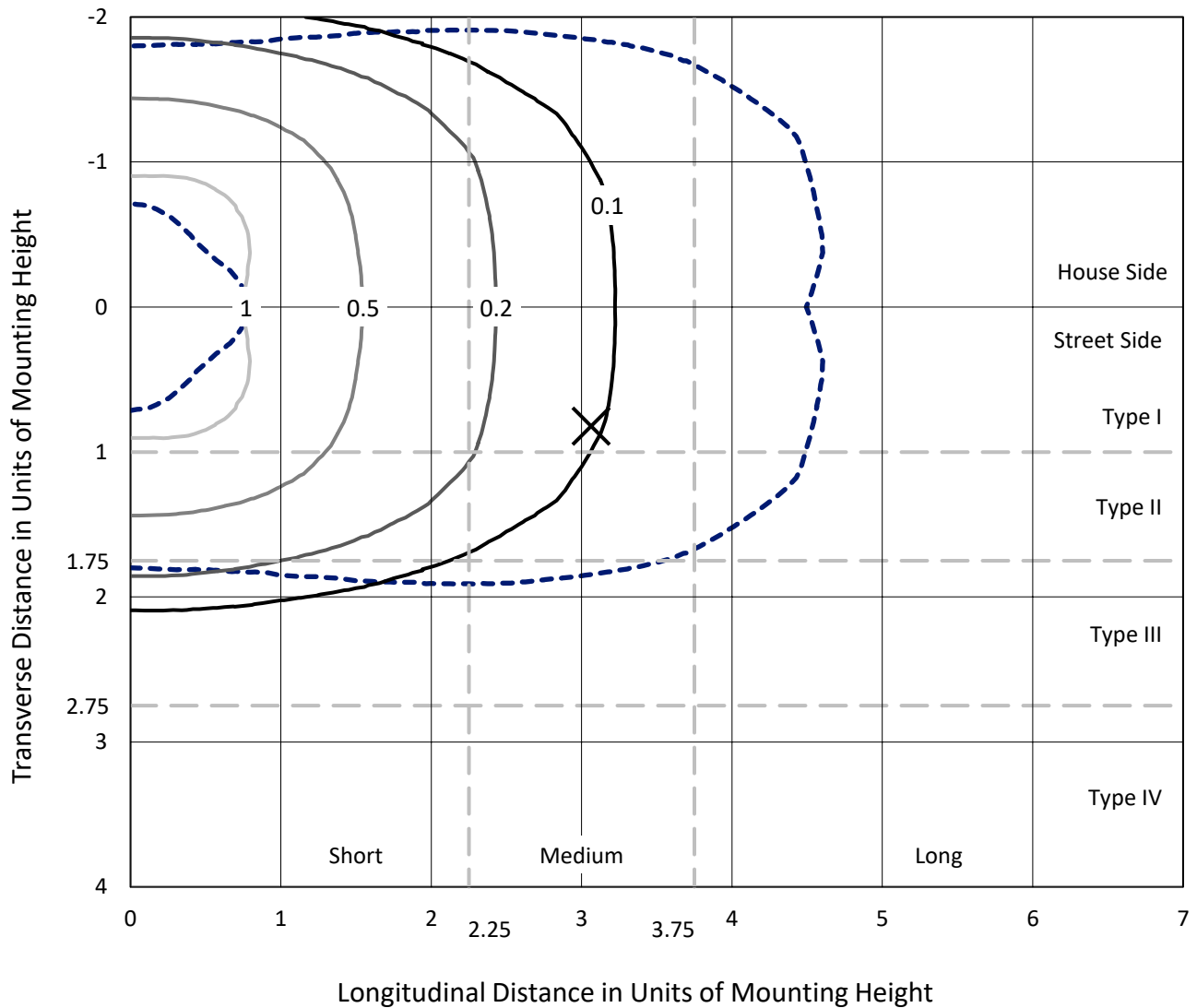
Lumens per Lamp: N/A  
Luminaire Lumens: 7155 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): 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

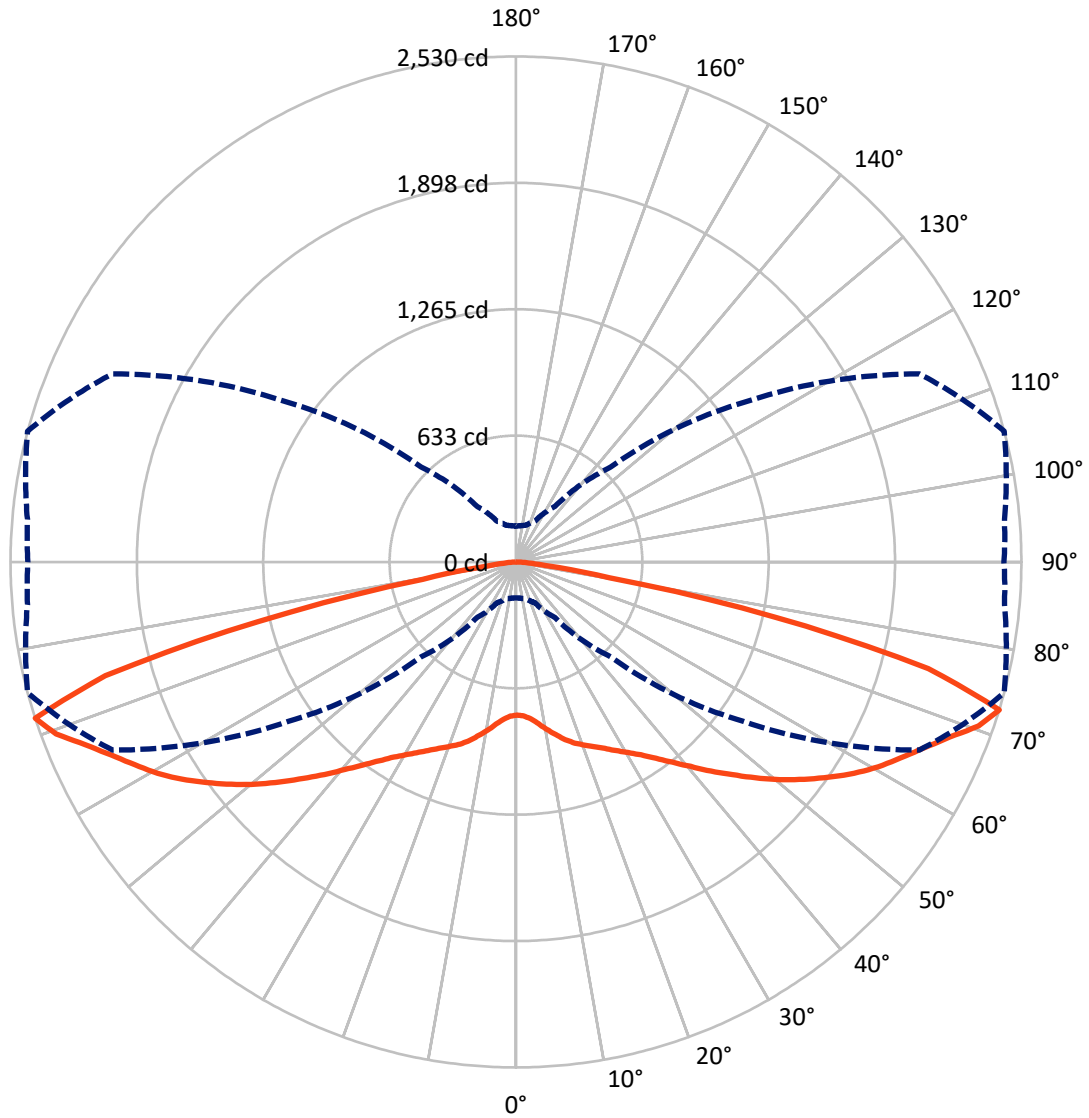
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3577.5	0.0	3577.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3577.5	0.0	3577.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7155.0	0.0	7155.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	1.0
10°-20°	247.6	3.5
20°-30°	478.5	6.7
30°-40°	807.9	11.3
40°-50°	1281.3	17.9
50°-60°	1715.5	24.0
60°-70°	1632.6	22.8
70°-80°	851.9	11.9
80°-90°	64.5	0.9
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°	7155.0	100.0
0°-180°	7155.0	100.0

**Coefficient of Utilization**



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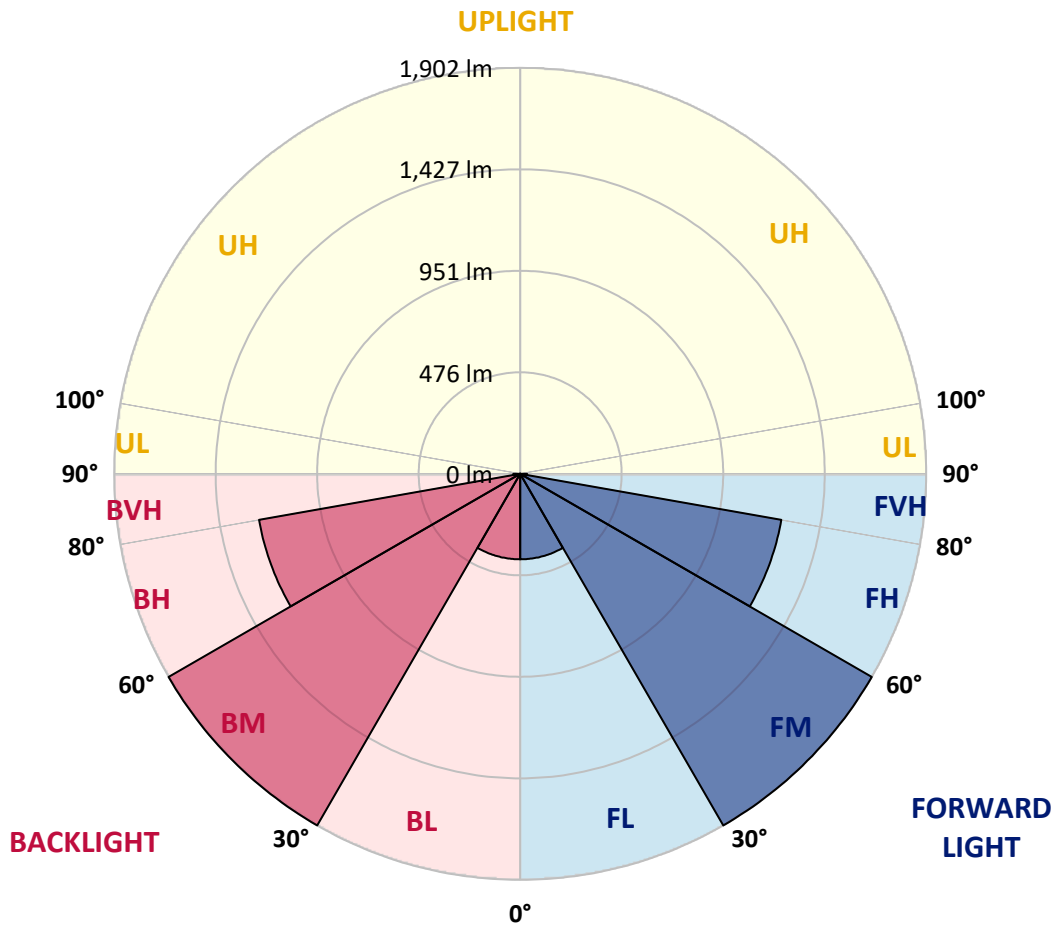
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.6	5.6			
FM (30°-60°)	1902.4	26.6			
FH (60°-80°)	1242.3	17.4			G1/1800
FVH (80°-90°)	32.2	0.5			G1/100
BL (0°-30°)	400.6	5.6	B1/500		
BM (30°-60°)	1902.4	26.6	B2/2500		
BH (60°-80°)	1242.3	17.4	B3/2500		G3/2500
BVH (80°-90°)	32.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4
2.5°	766.4	765.7	766.4	767.2	766.8	766.8	768.6	769.7	771.9	771.5
5°	761.3	760.9	763.9	767.2	769.7	774.1	779.6	783.6	788.7	789.8
7.5°	758.8	757.7	762.8	768.6	776.7	787.6	798.2	809.2	817.9	820.9
10°	760.6	760.9	767.9	778.8	791.6	807.0	822.0	840.6	853.0	855.9
12.5°	769.0	768.3	779.9	797.5	815.0	834.4	851.9	872.4	885.9	892.8
15°	784.3	782.9	799.3	825.2	850.8	873.5	887.7	907.1	922.8	931.6
17.5°	802.6	803.3	824.9	858.5	892.1	917.7	931.2	941.0	953.1	960.8
20°	834.7	836.2	860.3	900.1	938.5	967.7	978.7	975.0	978.3	984.2
22.5°	877.8	878.6	905.6	948.7	988.9	1021.1	1028.4	1013.4	1004.2	1008.3
25°	927.9	932.6	959.7	1003.9	1045.2	1075.8	1079.1	1056.5	1033.8	1034.9
27.5°	988.9	993.3	1020.7	1064.5	1106.5	1133.2	1132.8	1102.5	1069.3	1060.9
30°	1055.0	1059.8	1087.9	1133.2	1172.3	1195.7	1190.6	1154.4	1106.9	1091.2
32.5°	1133.6	1136.5	1165.0	1210.3	1246.5	1265.1	1254.5	1209.9	1150.7	1132.8
35°	1228.6	1232.9	1254.1	1296.9	1328.6	1344.0	1326.1	1273.5	1207.0	1186.9
37.5°	1337.0	1334.1	1358.2	1396.2	1422.5	1432.0	1407.6	1345.1	1271.3	1247.5
40°	1450.3	1448.8	1475.1	1511.7	1525.9	1531.8	1495.6	1427.3	1345.5	1319.9
42.5°	1552.9	1551.9	1587.3	1627.8	1645.0	1638.4	1592.8	1514.6	1431.3	1402.1
45°	1635.1	1633.7	1677.2	1734.1	1767.8	1756.8	1695.4	1611.0	1518.2	1487.9
47.5°	1698.3	1699.1	1745.8	1816.3	1875.2	1879.2	1800.3	1709.3	1614.0	1579.6
50°	1744.0	1746.2	1796.2	1874.4	1954.8	1990.2	1907.3	1810.1	1713.0	1674.2
52.5°	1755.3	1759.4	1819.6	1911.3	2005.9	2073.5	2016.2	1906.9	1806.8	1769.9
55°	1695.1	1703.1	1779.4	1908.4	2037.4	2128.3	2111.9	2005.2	1901.5	1863.5
57.5°	1556.6	1567.9	1657.1	1825.5	2030.4	2165.9	2186.0	2099.5	1996.1	1959.5
60°	1362.6	1376.1	1461.6	1645.4	1932.5	2179.8	2238.3	2191.2	2083.0	2047.6
62.5°	1070.0	1087.5	1189.8	1405.4	1725.7	2115.2	2282.8	2274.1	2161.2	2117.0
65°	686.4	705.1	812.8	1067.4	1449.9	1917.2	2296.7	2354.8	2243.8	2182.0
67.5°	413.9	422.3	475.6	647.0	1059.8	1618.7	2179.1	2444.3	2340.2	2263.5
70°	264.9	269.6	301.4	379.9	599.1	1181.1	1887.6	2461.1	2457.1	2347.1
72.5°	179.7	181.2	189.6	225.0	339.0	671.1	1392.2	2228.0	2530.2	2454.9
75°	131.5	139.5	153.1	159.3	192.5	335.4	797.8	1565.4	2132.3	2165.2
77.5°	97.9	98.3	116.9	124.2	137.4	178.6	337.6	873.8	1323.9	1390.0
80°	82.9	78.5	78.2	100.1	103.4	111.4	150.9	301.7	474.2	287.5
82.5°	69.0	64.3	58.1	78.2	70.5	68.3	65.4	122.7	150.9	74.2
85°	48.2	46.0	43.8	51.1	40.2	34.3	31.4	57.4	63.6	31.4
87.5°	20.8	21.6	21.9	22.6	16.8	12.1	12.1	16.1	16.1	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
766.4
771.2
789.8
821.6
858.9
895.7
934.8
964.4
988.5
1011.2
1036.8
1063.4
1093.0
1137.2
1189.8
1251.9
1328.3
1409.4
1494.9
1589.8
1685.9
1779.4
1874.1
1967.9
2055.3
2122.1
2189.7
2269.3
2346.4
2443.2
2085.6
1239.9
217.4
63.2
27.8
9.1
0.0

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