

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: P945716

Luminaire Tested: **GALN-SB1C-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945716
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6932 lumens
Efficiency: N/A
Efficacy: 127.4 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

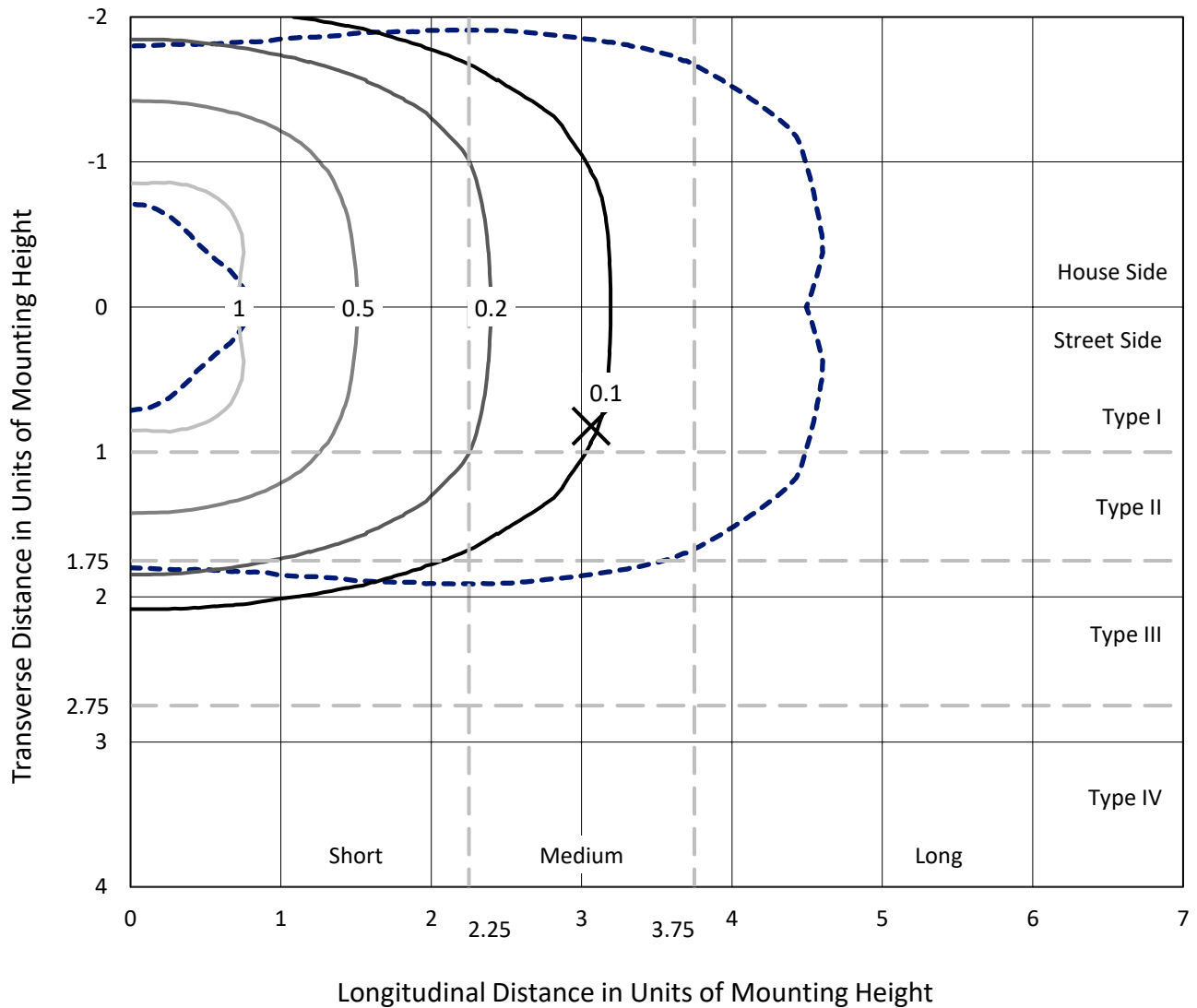
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

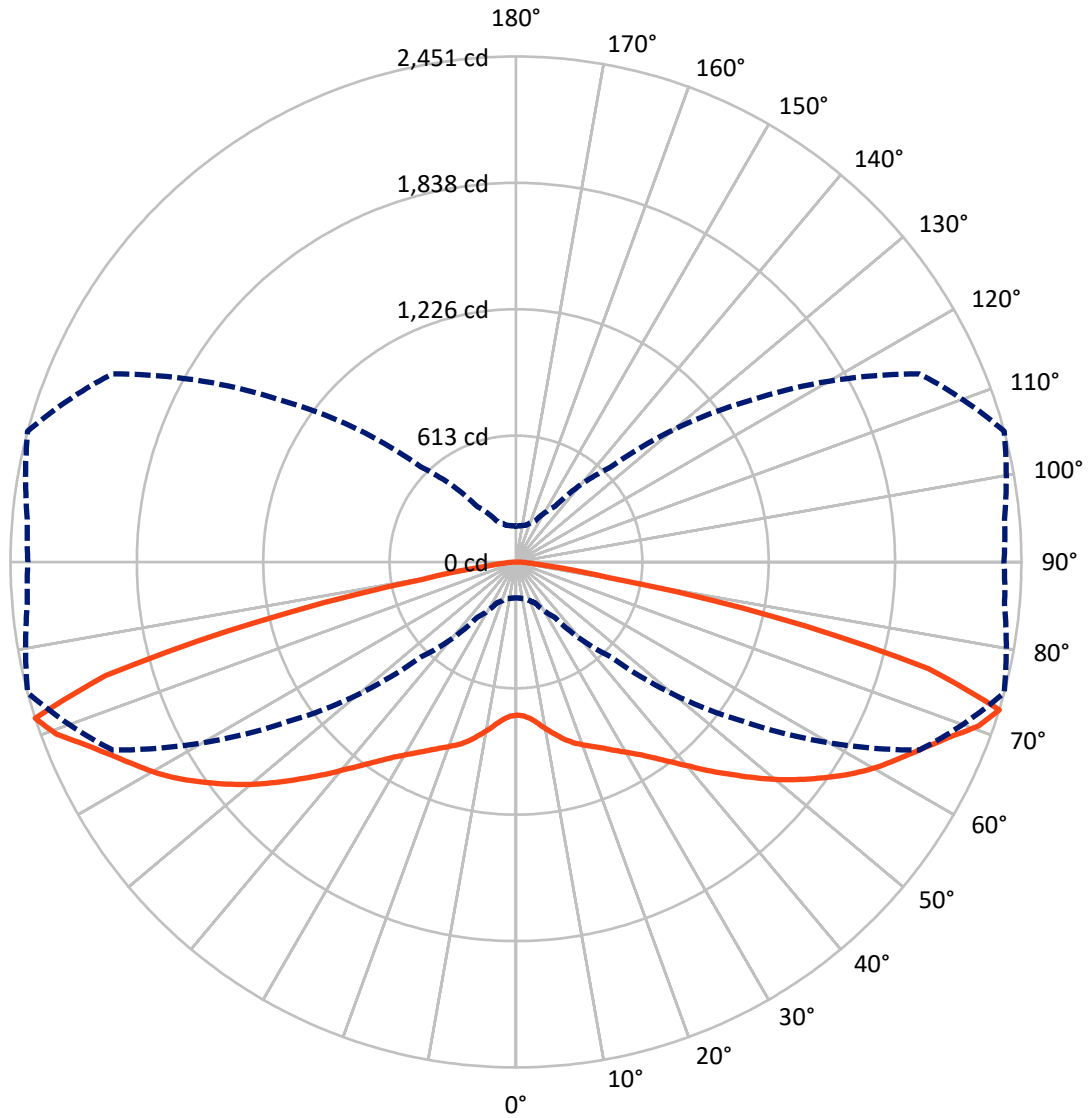
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3466.0	0.0	3466.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3466.0	0.0	3466.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6932.0	0.0	6932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.0
10°-20°	239.9	3.5
20°-30°	463.6	6.7
30°-40°	782.8	11.3
40°-50°	1241.4	17.9
50°-60°	1662.1	24.0
60°-70°	1581.7	22.8
70°-80°	825.4	11.9
80°-90°	62.5	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°	6932.0	100.0
0°-180°	6932.0	100.0

Coefficient of Utilization



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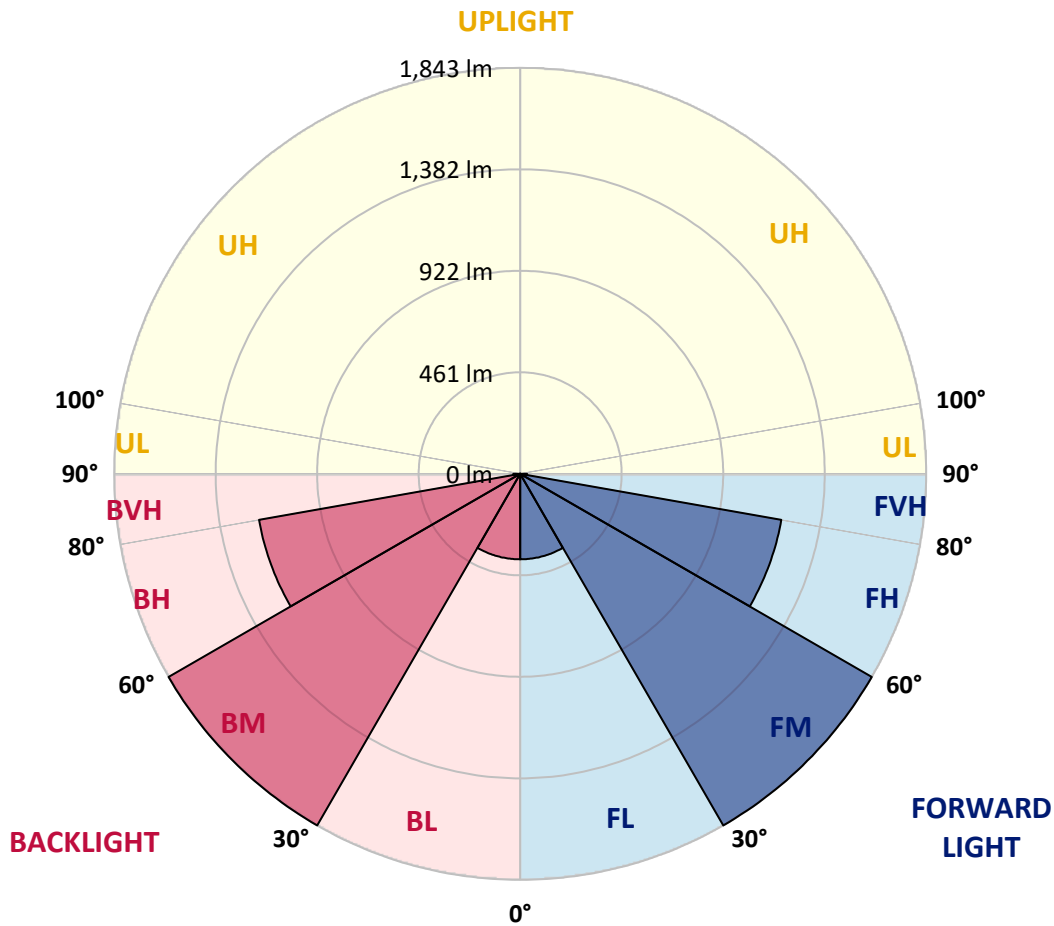
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.1	5.6			
FM (30°-60°)	1843.1	26.6			
FH (60°-80°)	1203.6	17.4			G1/1800
FVH (80°-90°)	31.2	0.5			G1/100
BL (0°-30°)	388.1	5.6	B1/500		
BM (30°-60°)	1843.1	26.6	B2/2500		
BH (60°-80°)	1203.6	17.4	B3/2500		G3/2500
BVH (80°-90°)	31.2	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°	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5
2.5°	742.5	741.8	742.5	743.2	742.9	742.9	744.7	745.7	747.9	747.5
5°	737.6	737.2	740.1	743.2	745.7	750.0	755.3	759.2	764.1	765.2
7.5°	735.1	734.0	739.0	744.7	752.5	763.1	773.3	784.0	792.4	795.3
10°	736.9	737.2	744.0	754.6	767.0	781.8	796.3	814.4	826.4	829.3
12.5°	745.0	744.3	755.6	772.6	789.6	808.4	825.4	845.2	858.3	865.0
15°	759.9	758.5	774.4	799.5	824.3	846.2	860.0	878.8	894.0	902.5
17.5°	777.6	778.3	799.2	831.7	864.3	889.1	902.2	911.7	923.4	930.8
20°	808.7	810.1	833.5	872.1	909.2	937.6	948.2	944.6	947.8	953.5
22.5°	850.5	851.2	877.4	919.2	958.1	989.2	996.3	981.8	972.9	976.8
25°	899.0	903.6	929.8	972.6	1012.6	1042.3	1045.5	1023.6	1001.6	1002.7
27.5°	958.1	962.3	988.9	1031.3	1072.0	1097.9	1097.5	1068.2	1035.9	1027.8
30°	1022.1	1026.7	1054.0	1097.9	1135.8	1158.4	1153.5	1118.4	1072.4	1057.2
32.5°	1098.2	1101.1	1128.7	1172.6	1207.6	1225.7	1215.4	1172.2	1114.9	1097.5
35°	1190.3	1194.5	1215.0	1256.4	1287.2	1302.1	1284.8	1233.8	1169.4	1149.9
37.5°	1295.4	1292.5	1315.9	1352.7	1378.2	1387.4	1363.7	1303.2	1231.7	1208.7
40°	1405.1	1403.7	1429.2	1464.6	1478.4	1484.0	1449.0	1382.8	1303.5	1278.7
42.5°	1504.5	1503.5	1537.8	1577.1	1593.7	1587.4	1543.1	1467.4	1386.7	1358.4
45°	1584.2	1582.8	1624.9	1680.1	1712.7	1702.0	1642.6	1560.8	1470.9	1441.5
47.5°	1645.4	1646.1	1691.4	1759.7	1816.7	1820.6	1744.2	1656.0	1563.7	1530.4
50°	1689.7	1691.8	1740.3	1816.0	1893.9	1928.2	1847.9	1753.7	1659.6	1622.1
52.5°	1700.6	1704.5	1762.9	1851.8	1943.4	2008.9	1953.3	1847.5	1750.5	1714.8
55°	1642.2	1650.0	1724.0	1848.9	1973.9	2062.0	2046.1	1942.7	1842.2	1805.4
57.5°	1508.1	1519.1	1605.4	1768.6	1967.1	2098.4	2117.9	2034.0	1933.9	1898.5
60°	1320.2	1333.2	1416.1	1594.1	1872.3	2111.9	2168.5	2122.9	2018.1	1983.8
62.5°	1036.7	1053.6	1152.7	1361.6	1672.0	2049.2	2211.7	2203.2	2093.8	2051.0
65°	665.0	683.1	787.5	1034.2	1404.7	1857.4	2225.1	2281.4	2173.8	2114.0
67.5°	401.0	409.1	460.8	626.8	1026.7	1568.3	2111.2	2368.1	2267.3	2192.9
70°	256.6	261.2	292.0	368.1	580.4	1144.2	1828.7	2384.4	2380.5	2274.0
72.5°	174.1	175.5	183.7	218.0	328.4	650.2	1348.8	2158.6	2451.3	2378.4
75°	127.4	135.2	148.3	154.3	186.5	324.9	773.0	1516.6	2065.9	2097.7
77.5°	94.9	95.2	113.3	120.3	133.1	173.1	327.0	846.6	1282.6	1346.7
80°	80.3	76.1	75.7	97.0	100.2	107.9	146.2	292.3	459.4	278.5
82.5°	66.9	62.3	56.3	75.7	68.3	66.2	63.4	118.9	146.2	71.8
85°	46.7	44.6	42.5	49.5	38.9	33.3	30.4	55.6	61.6	30.4
87.5°	20.2	20.9	21.2	21.9	16.3	11.7	11.7	15.6	15.6	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
742.5
747.1
765.2
796.0
832.1
867.8
905.7
934.4
957.7
979.7
1004.4
1030.3
1059.0
1101.8
1152.7
1212.9
1286.9
1365.5
1448.3
1540.3
1633.4
1724.0
1815.7
1906.6
1991.2
2056.0
2121.4
2198.6
2273.3
2367.1
2020.6
1201.2
210.6
61.2
26.9
8.8
0.0

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