

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: P945695

Luminaire Tested: **GALN-SB1C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945695
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-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6708 lumens
Efficiency: N/A
Efficacy: 123.3 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

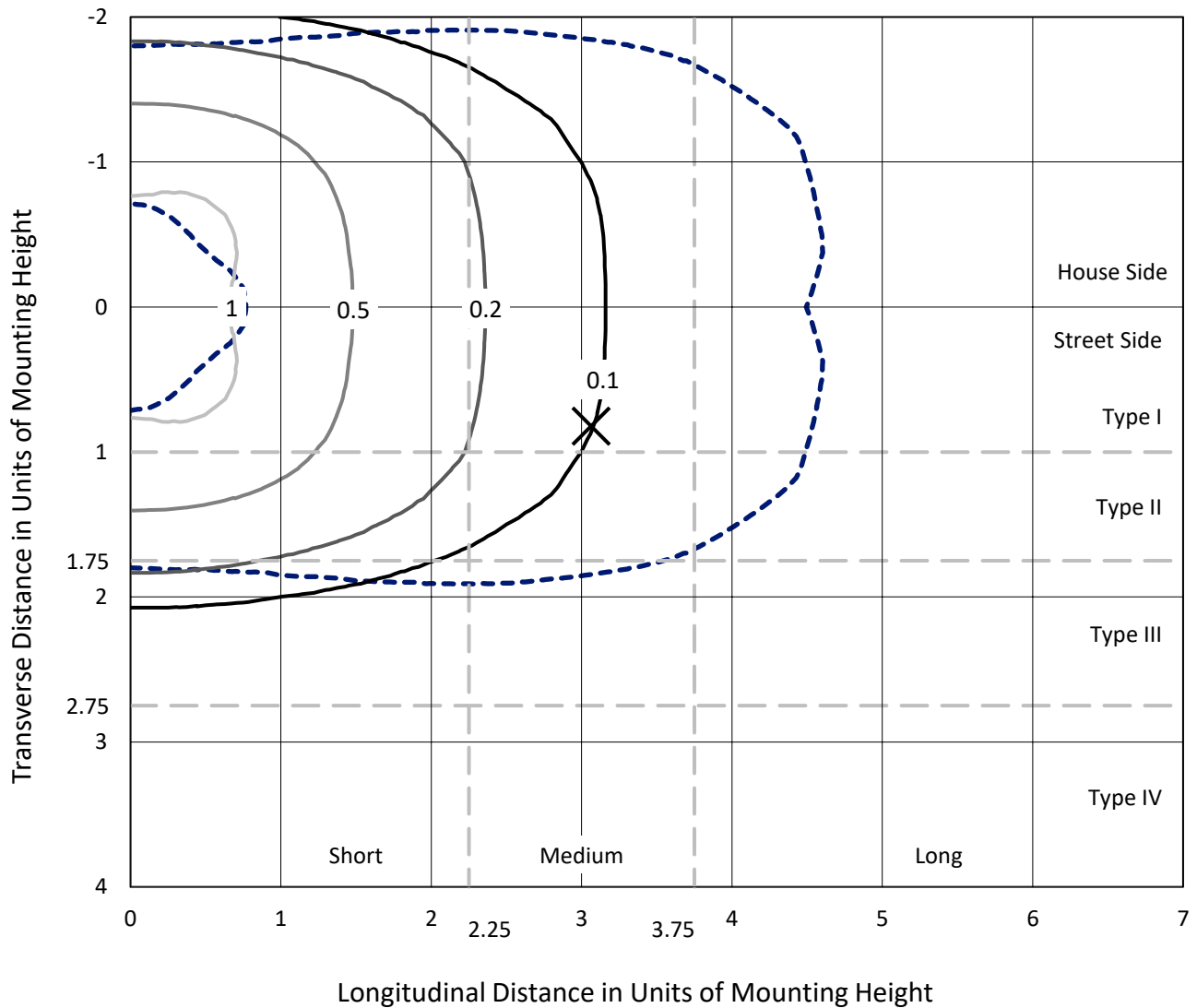
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

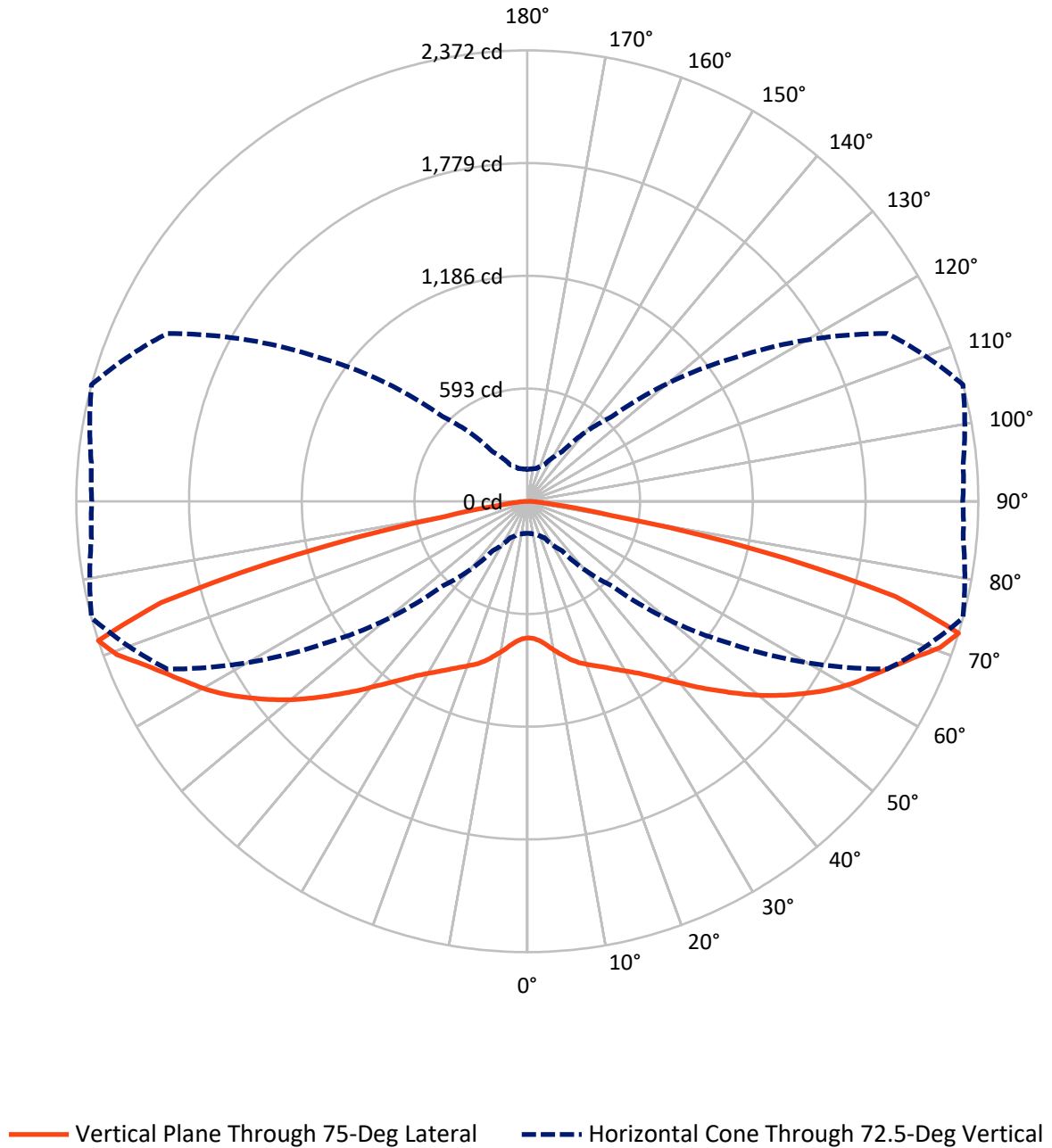
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3354.0	0.0	3354.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3354.0	0.0	3354.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6708.0	0.0	6708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.0
10°-20°	232.2	3.5
20°-30°	448.6	6.7
30°-40°	757.5	11.3
40°-50°	1201.3	17.9
50°-60°	1608.3	24.0
60°-70°	1530.6	22.8
70°-80°	798.7	11.9
80°-90°	60.5	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°	6708.0	100.0
0°-180°	6708.0	100.0

Coefficient of Utilization



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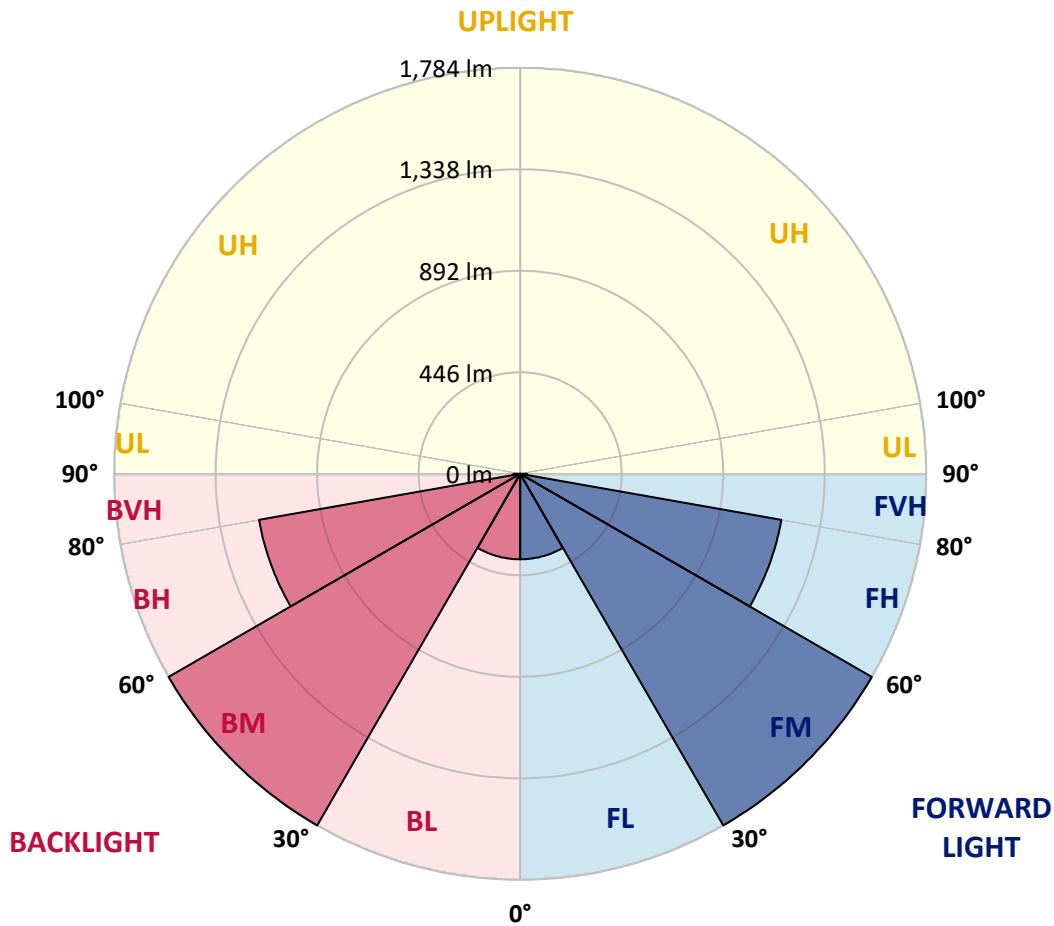
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.6	5.6			
FM (30°-60°)	1783.5	26.6			
FH (60°-80°)	1164.7	17.4			G1/1800
FVH (80°-90°)	30.2	0.5			G1/100
BL (0°-30°)	375.6	5.6	B1/500		
BM (30°-60°)	1783.5	26.6	B2/2500		
BH (60°-80°)	1164.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	30.2	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°	718.5	718.5	718.5	718.5	718.5	718.5	718.5	718.5	718.5	718.5
2.5°	718.5	717.9	718.5	719.2	718.9	718.9	720.6	721.6	723.7	723.3
5°	713.8	713.4	716.1	719.2	721.6	725.7	730.9	734.6	739.4	740.5
7.5°	711.4	710.3	715.1	720.6	728.1	738.4	748.3	758.6	766.8	769.6
10°	713.1	713.4	719.9	730.2	742.2	756.6	770.6	788.1	799.7	802.5
12.5°	720.9	720.3	731.2	747.7	764.1	782.3	798.7	817.9	830.5	837.0
15°	735.3	734.0	749.4	773.7	797.7	818.9	832.3	850.4	865.1	873.4
17.5°	752.5	753.1	773.3	804.9	836.4	860.3	873.0	882.3	893.6	900.8
20°	782.6	784.0	806.6	843.9	879.9	907.3	917.5	914.1	917.2	922.7
22.5°	823.0	823.7	849.0	889.5	927.1	957.3	964.1	950.1	941.5	945.3
25°	869.9	874.4	899.7	941.2	979.9	1008.6	1011.7	990.5	969.3	970.3
27.5°	927.1	931.2	956.9	998.0	1037.4	1062.4	1062.1	1033.6	1002.5	994.6
30°	989.1	993.6	1019.9	1062.4	1099.1	1121.0	1116.2	1082.3	1037.7	1023.0
32.5°	1062.8	1065.5	1092.2	1134.7	1168.6	1186.0	1176.1	1134.3	1078.8	1062.1
35°	1151.8	1155.9	1175.8	1215.8	1245.6	1260.0	1243.2	1193.9	1131.6	1112.8
37.5°	1253.5	1250.8	1273.4	1309.0	1333.7	1342.6	1319.6	1261.1	1191.9	1169.6
40°	1359.7	1358.3	1383.0	1417.2	1430.6	1436.1	1402.2	1338.1	1261.4	1237.4
42.5°	1455.9	1454.9	1488.1	1526.1	1542.2	1536.1	1493.3	1420.0	1341.9	1314.5
45°	1533.0	1531.6	1572.4	1625.8	1657.3	1647.0	1589.5	1510.4	1423.4	1395.0
47.5°	1592.2	1592.9	1636.8	1702.9	1758.0	1761.8	1687.8	1602.5	1513.1	1480.9
50°	1635.1	1637.1	1684.0	1757.3	1832.7	1865.9	1788.1	1697.0	1605.9	1569.6
52.5°	1645.7	1649.4	1705.9	1791.9	1880.6	1944.0	1890.2	1787.8	1694.0	1659.4
55°	1589.2	1596.7	1668.3	1789.2	1910.1	1995.4	1979.9	1879.9	1782.7	1747.0
57.5°	1459.4	1470.0	1553.5	1711.4	1903.6	2030.6	2049.5	1968.3	1871.4	1837.1
60°	1277.5	1290.2	1370.3	1542.6	1811.8	2043.6	2098.4	2054.3	1952.9	1919.7
62.5°	1003.2	1019.6	1115.5	1317.6	1617.9	1983.0	2140.2	2132.0	2026.2	1984.7
65°	643.5	661.0	762.0	1000.8	1359.3	1797.4	2153.2	2207.7	2103.6	2045.7
67.5°	388.0	395.9	445.9	606.6	993.6	1517.6	2043.0	2291.6	2194.0	2122.1
70°	248.3	252.8	282.6	356.2	561.7	1107.3	1769.7	2307.4	2303.6	2200.5
72.5°	168.5	169.9	177.8	211.0	317.8	629.2	1305.2	2088.9	2372.1	2301.5
75°	123.3	130.8	143.5	149.3	180.5	314.4	748.0	1467.6	1999.1	2029.9
77.5°	91.8	92.1	109.6	116.4	128.8	167.5	316.5	819.2	1241.2	1303.2
80°	77.7	73.6	73.3	93.8	96.9	104.5	141.4	282.9	444.6	269.5
82.5°	64.7	60.3	54.5	73.3	66.1	64.0	61.3	115.1	141.4	69.5
85°	45.2	43.2	41.1	47.9	37.7	32.2	29.5	53.8	59.6	29.5
87.5°	19.5	20.2	20.5	21.2	15.8	11.3	11.3	15.1	15.1	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
718.5
723.0
740.5
770.3
805.2
839.8
876.4
904.2
926.8
948.0
972.0
997.0
1024.7
1066.2
1115.5
1173.7
1245.3
1321.3
1401.5
1490.5
1580.6
1668.3
1757.0
1845.0
1926.9
1989.5
2052.9
2127.6
2199.8
2290.6
1955.3
1162.4
203.8
59.3
26.0
8.6
0.0

OF REPORT)