

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: P946871

Luminaire Tested: **GALN-SB2B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946871
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-SB2B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7059 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

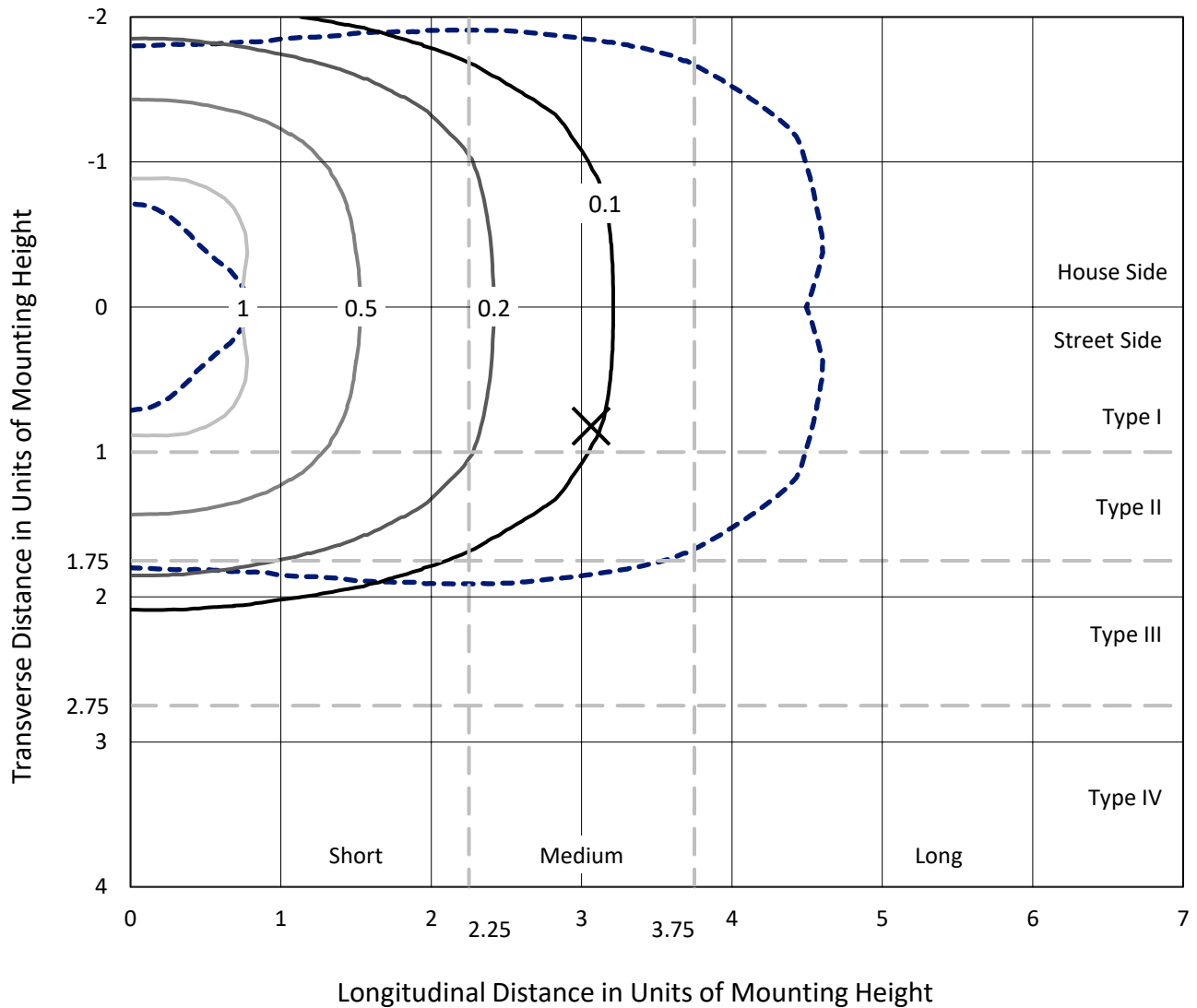
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

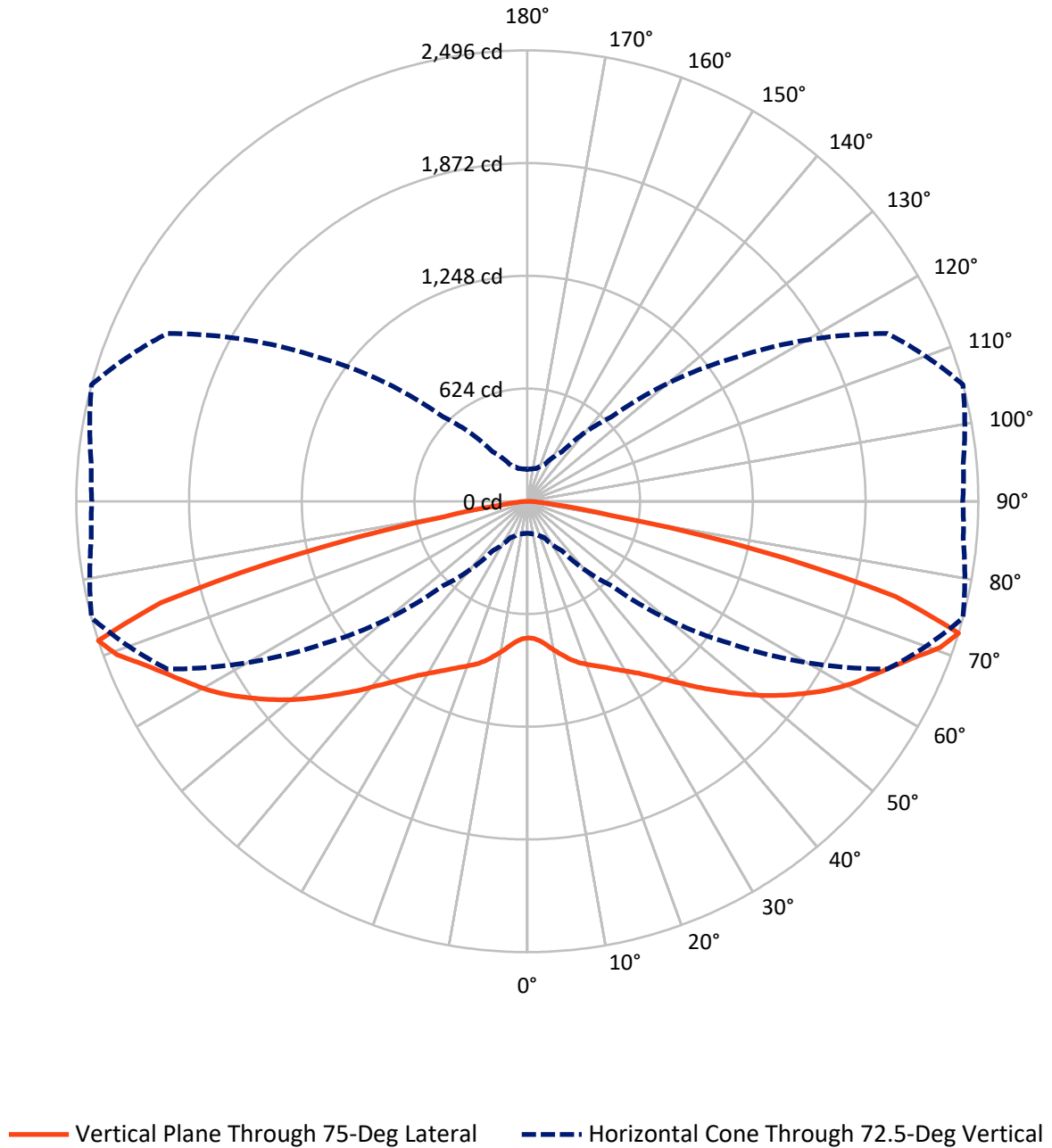
× Max cd
 - - - 1/2 Max cd



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	3529.5	0.0	3529.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3529.5	0.0	3529.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7059.0	0.0	7059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.0
10°-20°	244.3	3.5
20°-30°	472.1	6.7
30°-40°	797.1	11.3
40°-50°	1264.1	17.9
50°-60°	1692.5	24.0
60°-70°	1610.7	22.8
70°-80°	840.5	11.9
80°-90°	63.6	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°	7059.0	100.0
0°-180°	7059.0	100.0

Coefficient of Utilization



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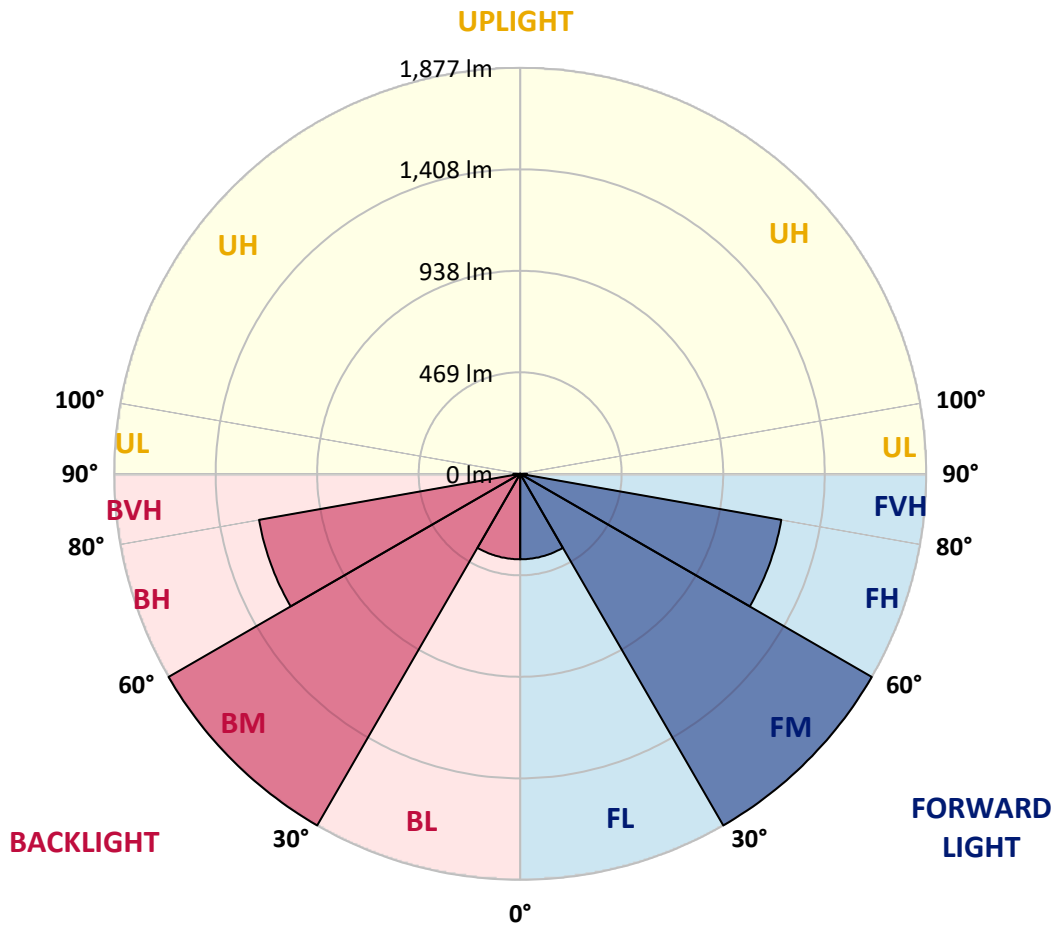
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.2	5.6			
FM (30°-60°)	1876.9	26.6			
FH (60°-80°)	1225.6	17.4			G1/1800
FVH (80°-90°)	31.8	0.5			G1/100
BL (0°-30°)	395.2	5.6	B1/500		
BM (30°-60°)	1876.9	26.6	B2/2500		
BH (60°-80°)	1225.6	17.4	B3/2500		G3/2500
BVH (80°-90°)	31.8	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°	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1	756.1
2.5°	756.1	755.4	756.1	756.9	756.5	756.5	758.3	759.4	761.6	761.2
5°	751.1	750.7	753.6	756.9	759.4	763.7	769.1	773.1	778.1	779.2
7.5°	748.6	747.5	752.5	758.3	766.2	777.0	787.5	798.3	807.0	809.8
10°	750.4	750.7	757.6	768.4	781.0	796.2	810.9	829.3	841.6	844.4
12.5°	758.7	757.9	769.5	786.8	804.1	823.2	840.5	860.7	874.0	880.8
15°	773.8	772.4	788.6	814.2	839.4	861.7	875.8	894.9	910.4	919.1
17.5°	791.8	792.5	813.8	847.0	880.1	905.4	918.7	928.4	940.3	947.9
20°	823.5	825.0	848.8	888.1	925.9	954.7	965.5	961.9	965.2	971.0
22.5°	866.1	866.8	893.5	936.0	975.6	1007.4	1014.6	999.8	990.8	994.7
25°	915.4	920.1	946.8	990.4	1031.1	1061.4	1064.7	1042.3	1020.0	1021.0
27.5°	975.6	980.0	1007.0	1050.2	1091.7	1118.0	1117.6	1087.7	1054.9	1046.6
30°	1040.9	1045.6	1073.3	1118.0	1156.6	1179.6	1174.6	1138.9	1092.0	1076.6
32.5°	1118.4	1121.2	1149.4	1194.0	1229.7	1248.1	1237.7	1193.7	1135.3	1117.6
35°	1212.1	1216.4	1237.3	1279.5	1310.8	1326.0	1308.3	1256.4	1190.8	1171.0
37.5°	1319.1	1316.2	1340.0	1377.5	1403.4	1412.8	1388.7	1327.0	1254.2	1230.8
40°	1430.8	1429.4	1455.3	1491.4	1505.4	1511.2	1475.5	1408.1	1327.4	1302.2
42.5°	1532.1	1531.0	1566.0	1606.0	1622.9	1616.4	1571.4	1494.3	1412.1	1383.3
45°	1613.2	1611.8	1654.7	1710.9	1744.0	1733.2	1672.7	1589.4	1497.9	1468.0
47.5°	1675.6	1676.3	1722.4	1792.0	1850.0	1854.0	1776.1	1686.4	1592.3	1558.4
50°	1720.6	1722.8	1772.1	1849.3	1928.6	1963.5	1881.7	1785.8	1690.0	1651.8
52.5°	1731.8	1735.7	1795.2	1885.7	1979.0	2045.7	1989.1	1881.4	1782.6	1746.2
55°	1672.3	1680.2	1755.6	1882.8	2010.0	2099.8	2083.5	1978.3	1875.9	1838.5
57.5°	1535.7	1546.9	1634.8	1801.0	2003.2	2136.9	2156.7	2071.3	1969.3	1933.3
60°	1344.3	1357.7	1442.0	1623.3	1906.6	2150.6	2208.2	2161.8	2055.1	2020.1
62.5°	1055.6	1072.9	1173.9	1386.5	1702.6	2086.8	2252.2	2243.6	2132.2	2088.6
65°	677.2	695.6	801.9	1053.1	1430.5	1891.4	2265.9	2323.2	2213.7	2152.7
67.5°	408.3	416.6	469.3	638.3	1045.6	1597.0	2149.9	2411.5	2308.8	2233.1
70°	261.3	266.0	297.3	374.8	591.1	1165.2	1862.3	2428.1	2424.1	2315.6
72.5°	177.3	178.8	187.1	222.0	334.5	662.1	1373.5	2198.2	2496.2	2422.0
75°	129.7	137.7	151.0	157.1	189.9	330.9	787.1	1544.4	2103.7	2136.2
77.5°	96.6	97.0	115.3	122.5	135.5	176.2	333.0	862.1	1306.1	1371.4
80°	81.8	77.5	77.1	98.8	102.0	109.9	148.9	297.7	467.8	283.6
82.5°	68.1	63.4	57.3	77.1	69.6	67.4	64.5	121.1	148.9	73.2
85°	47.6	45.4	43.2	50.5	39.6	33.9	31.0	56.6	62.7	31.0
87.5°	20.5	21.3	21.6	22.3	16.6	11.9	11.9	15.9	15.9	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
756.1
760.8
779.2
810.6
847.3
883.7
922.3
951.5
975.3
997.6
1022.9
1049.2
1078.4
1122.0
1173.9
1235.1
1310.5
1390.5
1474.8
1568.5
1663.3
1755.6
1848.9
1941.5
2027.7
2093.6
2160.3
2238.9
2314.9
2410.4
2057.6
1223.2
214.4
62.4
27.4
9.0
0.0

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