

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: P946157

Luminaire Tested: **GALN-SB1D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946157
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-SB1D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6380 lumens
Efficiency: N/A
Efficacy: 80.2 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

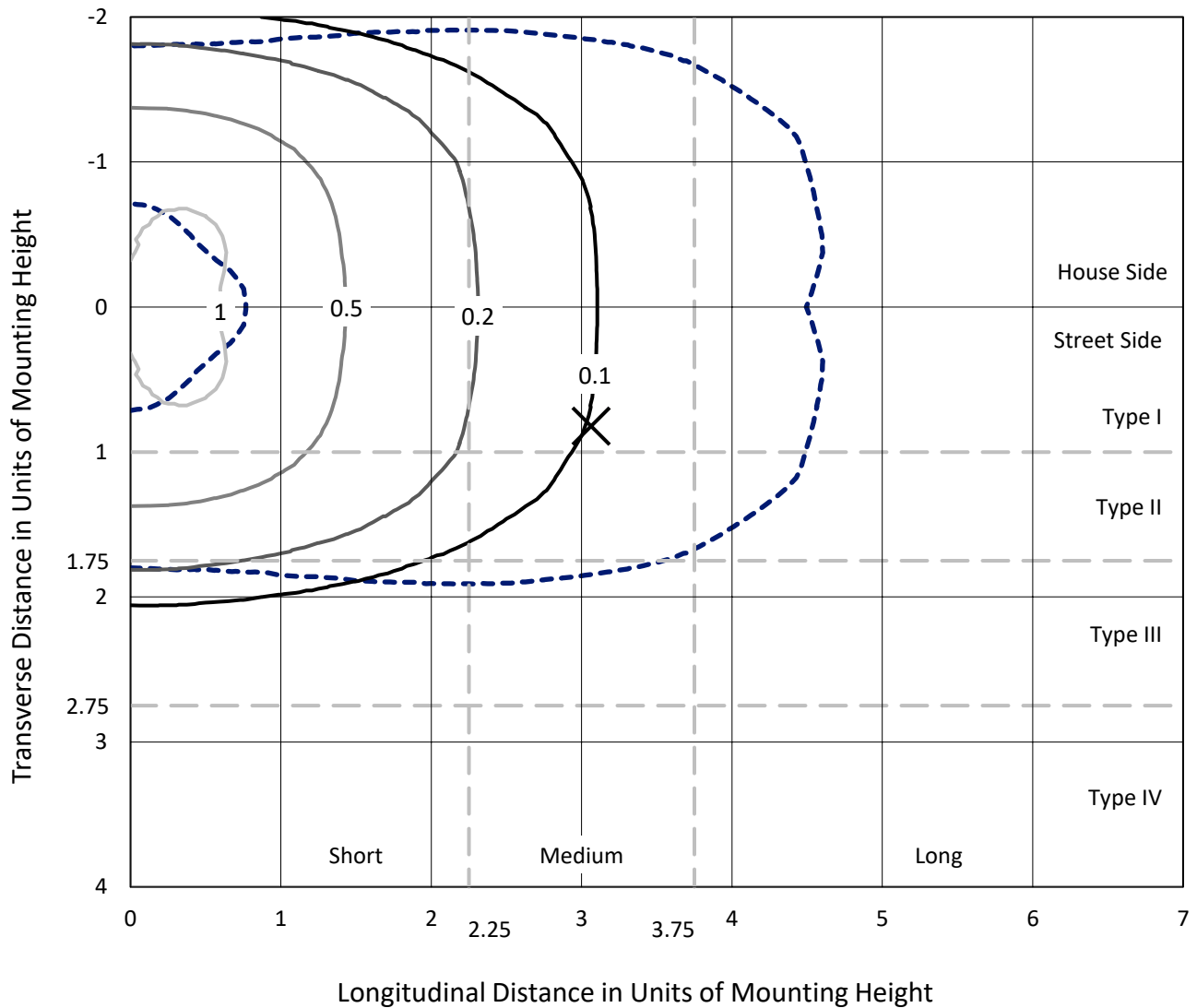
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

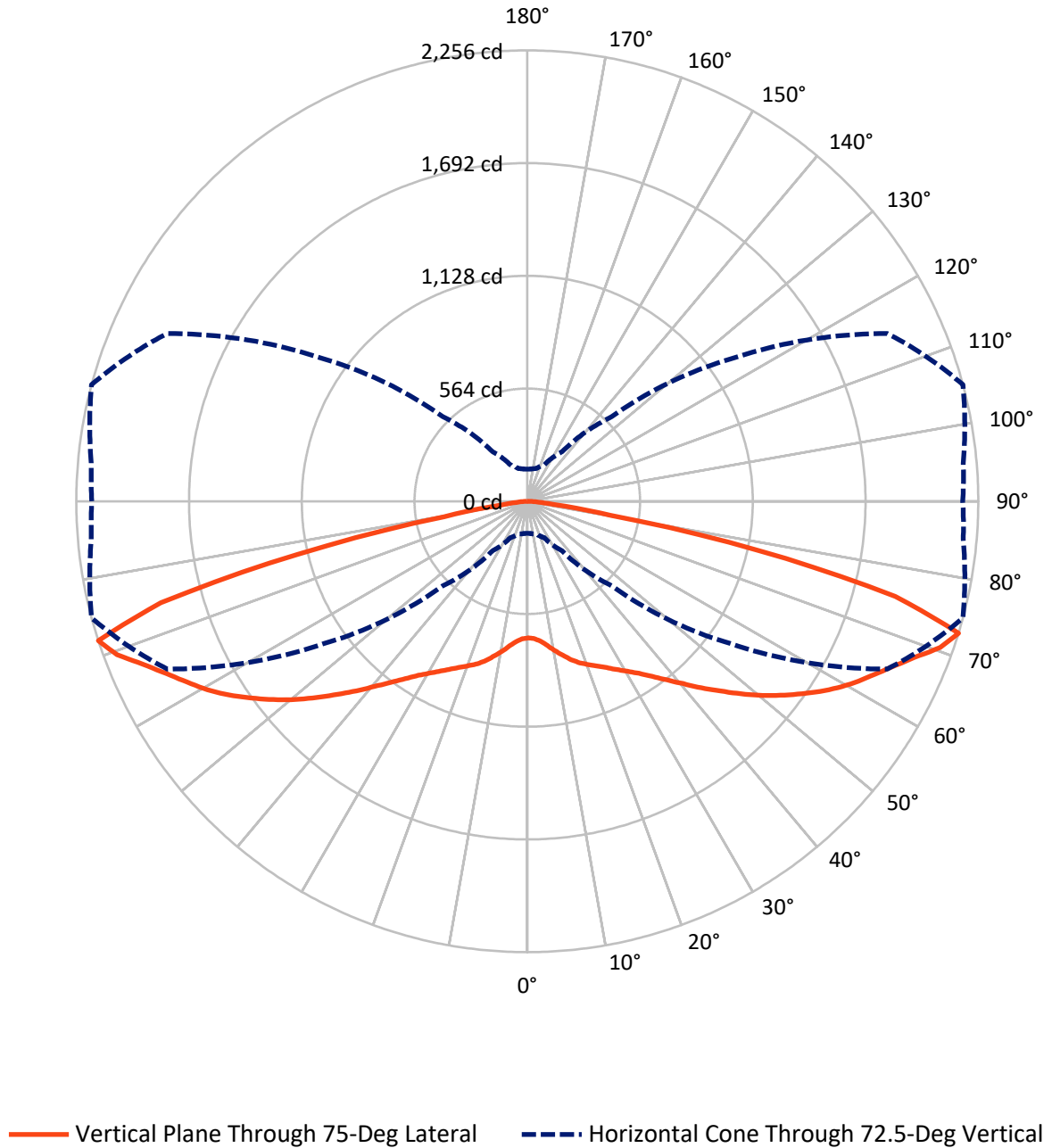
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	3190.0	0.0	3190.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3190.0	0.0	3190.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6380.0	0.0	6380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.0
10°-20°	220.8	3.5
20°-30°	426.7	6.7
30°-40°	720.4	11.3
40°-50°	1142.5	17.9
50°-60°	1529.7	24.0
60°-70°	1455.8	22.8
70°-80°	759.7	11.9
80°-90°	57.5	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°	6380.0	100.0
0°-180°	6380.0	100.0

Coefficient of Utilization



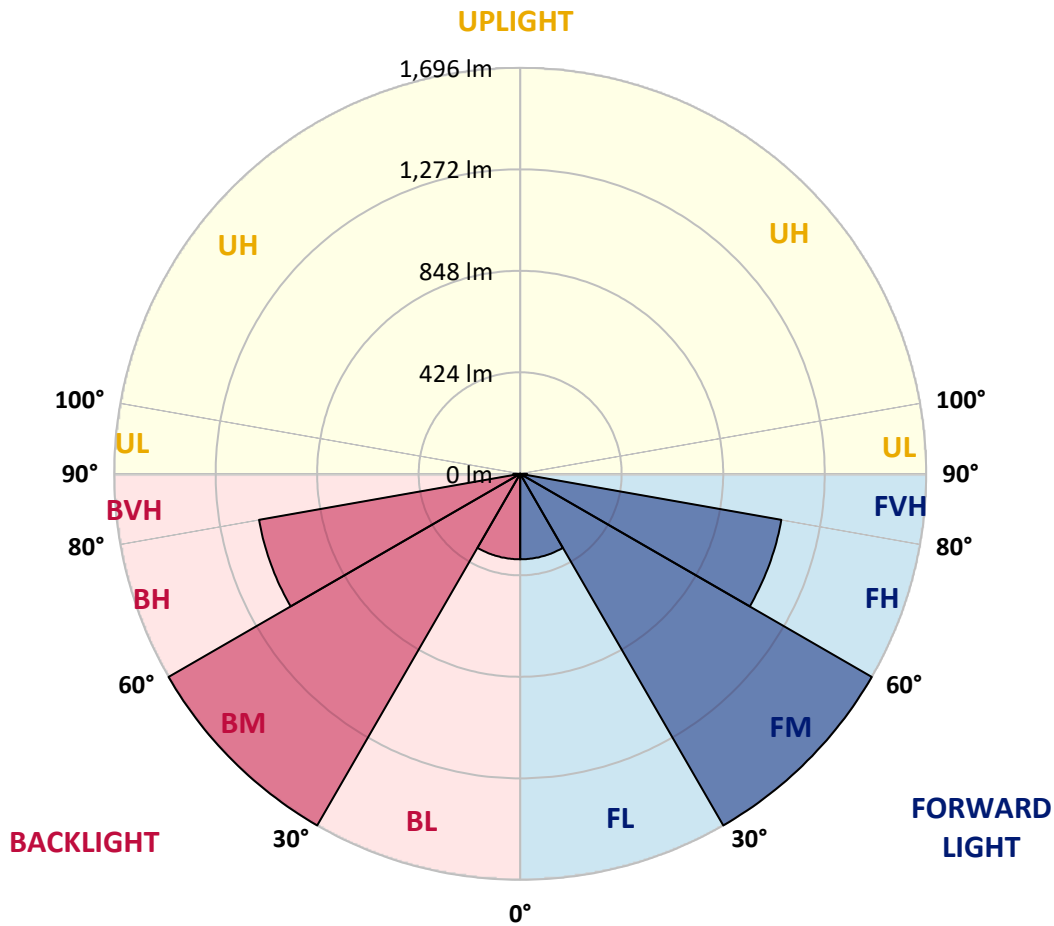
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.2	5.6			
FM (30°-60°)	1696.3	26.6			
FH (60°-80°)	1107.7	17.4			G1/1800
FVH (80°-90°)	28.7	0.5			G1/100
BL (0°-30°)	357.2	5.6	B1/500		
BM (30°-60°)	1696.3	26.6	B2/2500		
BH (60°-80°)	1107.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	28.7	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°	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4
2.5°	683.4	682.8	683.4	684.1	683.7	683.7	685.4	686.3	688.3	688.0
5°	678.9	678.5	681.1	684.1	686.3	690.3	695.1	698.7	703.3	704.3
7.5°	676.6	675.6	680.2	685.4	692.5	702.3	711.8	721.5	729.3	731.9
10°	678.2	678.5	684.7	694.5	705.9	719.6	732.9	749.5	760.6	763.2
12.5°	685.7	685.0	695.5	711.1	726.7	744.0	759.6	777.9	789.9	796.1
15°	699.4	698.1	712.7	735.9	758.7	778.9	791.6	808.8	822.8	830.6
17.5°	715.7	716.3	735.5	765.5	795.5	818.3	830.3	839.1	849.9	856.7
20°	744.3	745.6	767.1	802.6	836.8	862.9	872.7	869.4	872.3	877.6
22.5°	782.8	783.4	807.5	846.0	881.8	910.5	917.0	903.6	895.5	899.1
25°	827.4	831.6	855.7	895.1	932.0	959.3	962.2	942.1	921.9	922.8
27.5°	881.8	885.7	910.1	949.2	986.7	1010.5	1010.1	983.1	953.5	946.0
30°	940.8	945.0	970.1	1010.5	1045.3	1066.2	1061.6	1029.4	987.0	973.0
32.5°	1010.8	1013.4	1038.8	1079.2	1111.4	1128.1	1118.6	1078.9	1026.1	1010.1
35°	1095.5	1099.4	1118.3	1156.4	1184.7	1198.4	1182.5	1135.5	1076.3	1058.3
37.5°	1192.2	1189.6	1211.1	1245.0	1268.4	1276.9	1255.1	1199.4	1133.6	1112.4
40°	1293.2	1291.9	1315.4	1347.9	1360.6	1365.8	1333.6	1272.7	1199.7	1176.9
42.5°	1384.7	1383.8	1415.4	1451.5	1466.8	1461.0	1420.2	1350.5	1276.3	1250.2
45°	1458.0	1456.7	1495.5	1546.3	1576.3	1566.5	1511.8	1436.5	1353.8	1326.8
47.5°	1514.4	1515.0	1556.7	1619.6	1672.0	1675.6	1605.3	1524.2	1439.1	1408.5
50°	1555.1	1557.1	1601.7	1671.4	1743.1	1774.7	1700.7	1614.1	1527.4	1492.9
52.5°	1565.2	1568.8	1622.5	1704.3	1788.7	1848.9	1797.8	1700.4	1611.1	1578.2
55°	1511.5	1518.6	1586.7	1701.7	1816.7	1897.8	1883.1	1788.0	1695.5	1661.6
57.5°	1388.0	1398.1	1477.6	1627.7	1810.5	1931.3	1949.3	1872.1	1779.9	1747.3
60°	1215.0	1227.1	1303.3	1467.2	1723.2	1943.7	1995.8	1953.8	1857.4	1825.8
62.5°	954.1	969.7	1061.0	1253.1	1538.8	1886.1	2035.6	2027.8	1927.1	1887.7
65°	612.1	628.7	724.8	951.8	1292.9	1709.5	2048.0	2099.7	2000.7	1945.7
67.5°	369.1	376.6	424.1	576.9	945.0	1443.4	1943.1	2179.6	2086.7	2018.3
70°	236.2	240.4	268.7	338.8	534.2	1053.1	1683.1	2194.5	2191.0	2092.9
72.5°	160.3	161.6	169.1	200.7	302.3	598.4	1241.4	1986.7	2256.1	2189.0
75°	117.3	124.4	136.5	142.0	171.7	299.0	711.4	1395.8	1901.4	1930.7
77.5°	87.3	87.6	104.2	110.8	122.5	159.3	301.0	779.2	1180.5	1239.5
80°	73.9	70.0	69.7	89.3	92.2	99.4	134.5	269.1	422.8	256.4
82.5°	61.6	57.3	51.8	69.7	62.9	60.9	58.3	109.5	134.5	66.1
85°	43.0	41.0	39.1	45.6	35.8	30.6	28.0	51.1	56.7	28.0
87.5°	18.6	19.2	19.5	20.2	15.0	10.7	10.7	14.3	14.3	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
683.4
687.6
704.3
732.6
765.8
798.7
833.6
860.0
881.5
901.7
924.5
948.2
974.6
1014.0
1061.0
1116.3
1184.4
1256.7
1332.9
1417.6
1503.3
1586.7
1671.1
1754.8
1832.6
1892.3
1952.5
2023.5
2092.3
2178.6
1859.7
1105.6
193.8
56.4
24.8
8.1
0.0

OF REPORT)