

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: P946154

Luminaire Tested: **GALN-SB1D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6493 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

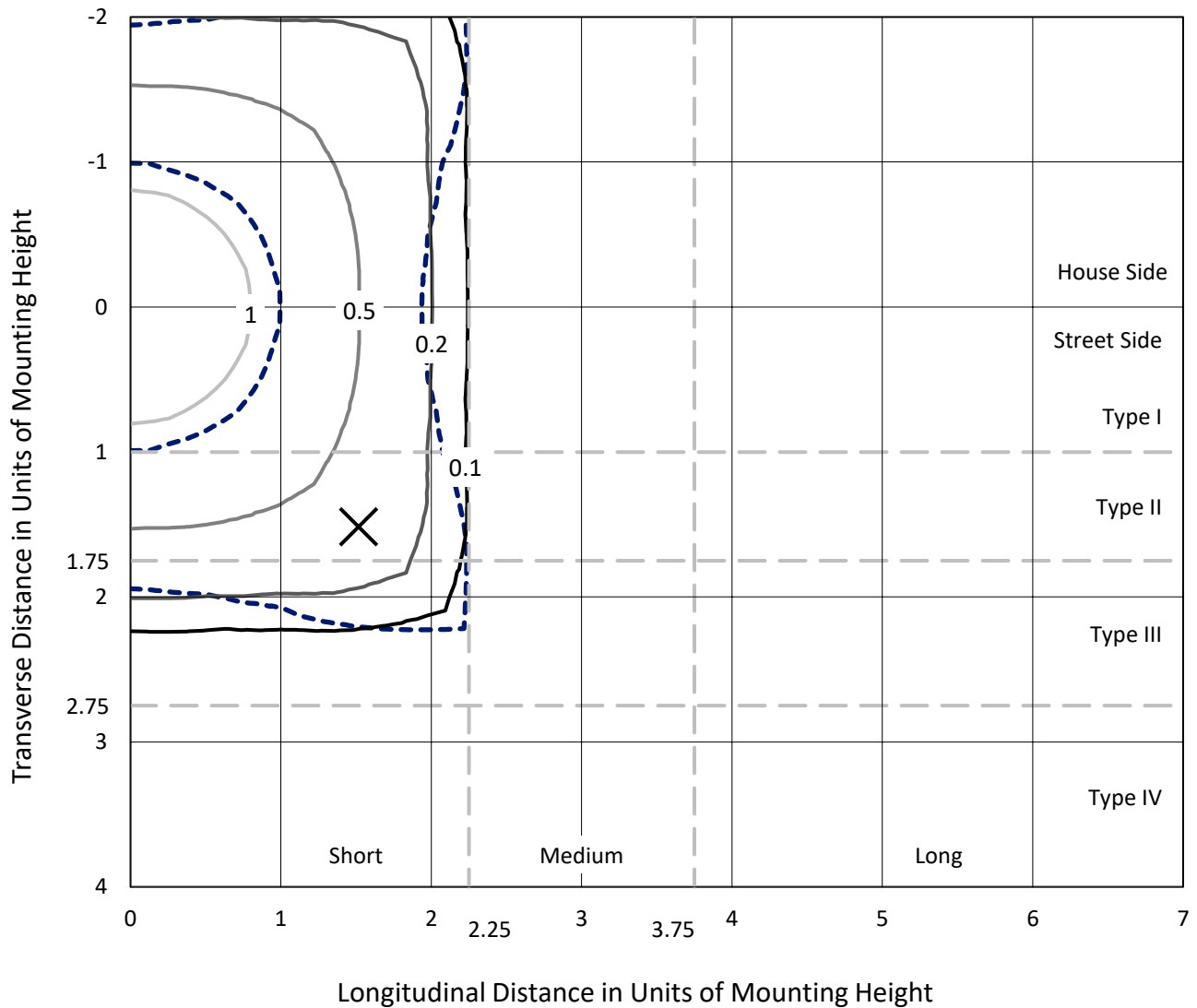
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

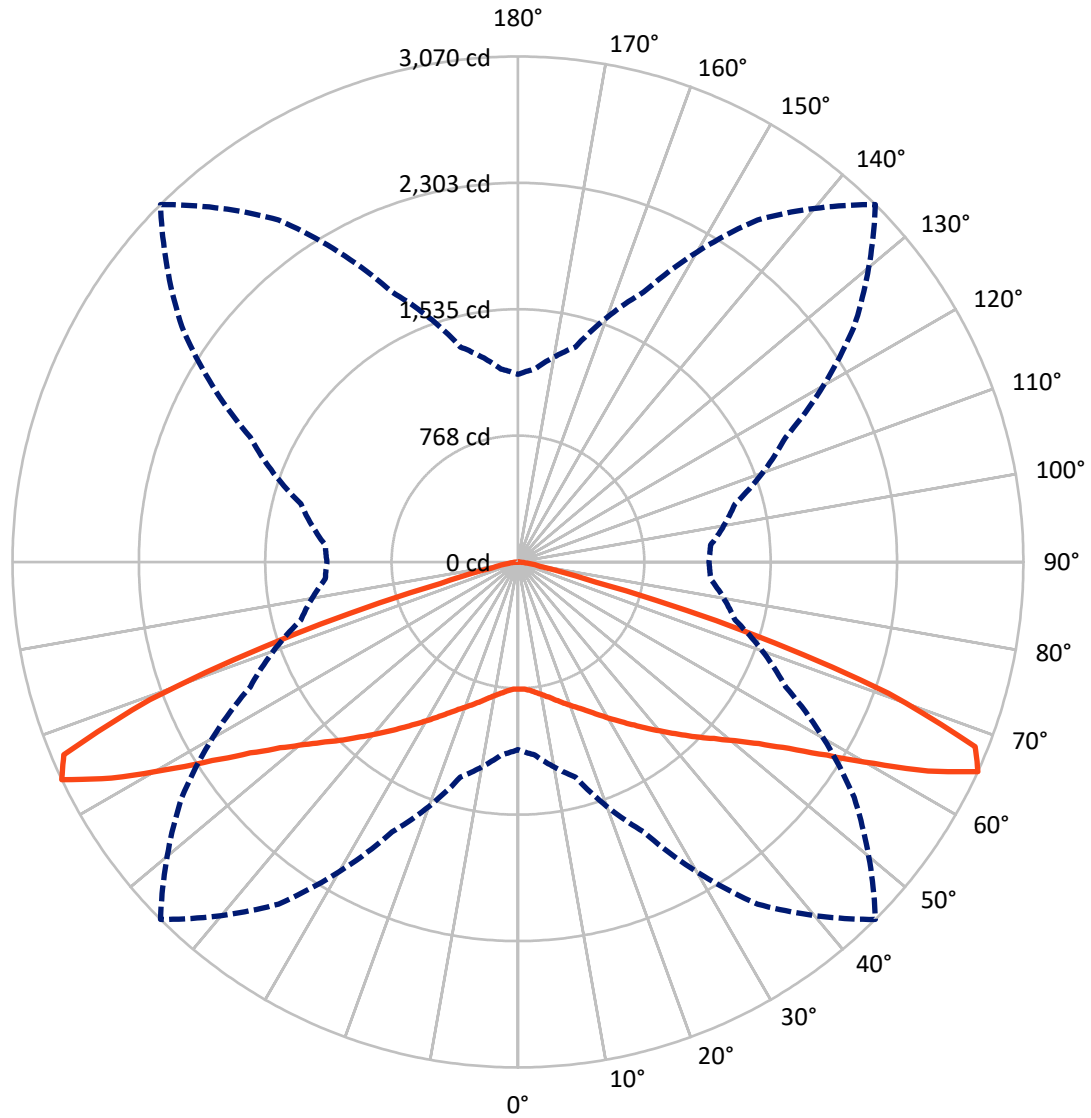
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3246.5	0.0	3246.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3246.5	0.0	3246.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6493.0	0.0	6493.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	1.2
10°-20°	248.8	3.8
20°-30°	469.8	7.2
30°-40°	769.4	11.8
40°-50°	1192.9	18.4
50°-60°	1762.2	27.1
60°-70°	1677.4	25.8
70°-80°	270.7	4.2
80°-90°	25.5	0.4
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°	6493.0	100.0
0°-180°	6493.0	100.0

Coefficient of Utilization



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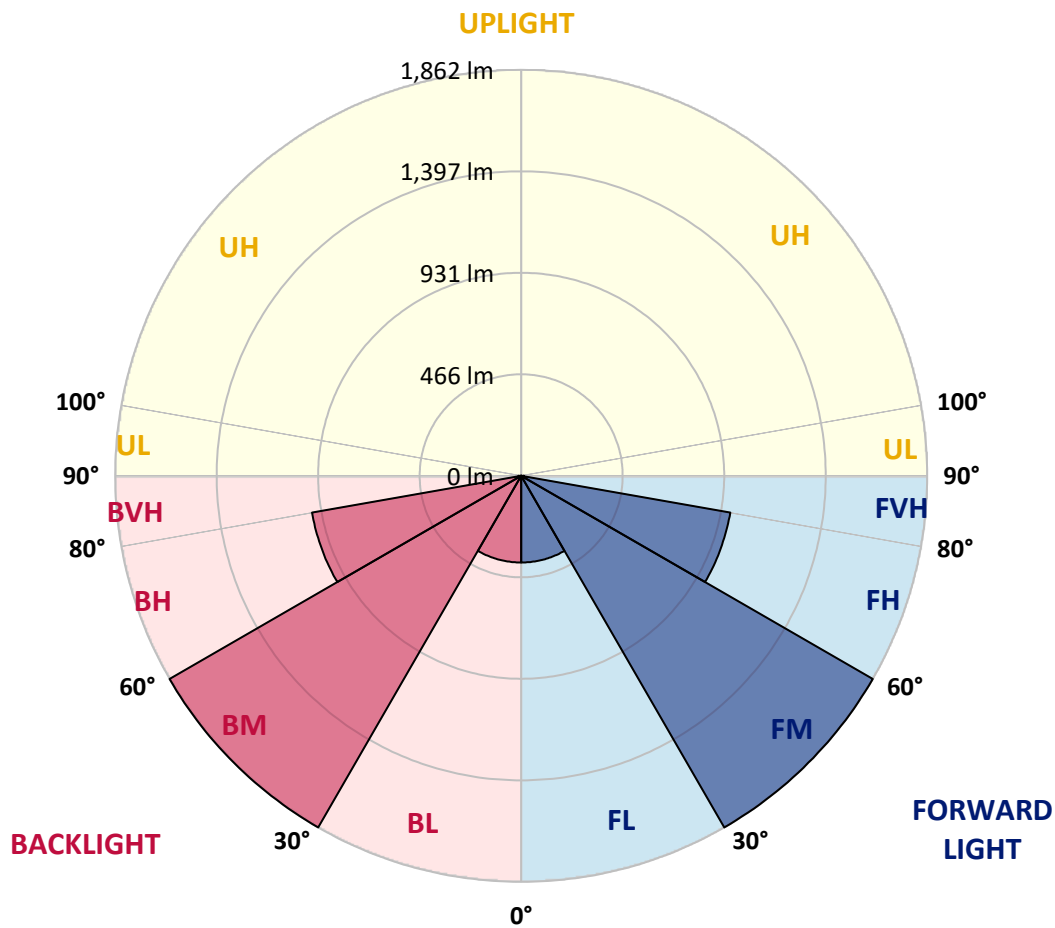
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.5	6.1			
FM (30°-60°)	1862.2	28.7			
FH (60°-80°)	974.0	15.0			G1/1800
FVH (80°-90°)	12.8	0.2			G1/100
BL (0°-30°)	397.5	6.1	B1/500		
BM (30°-60°)	1862.2	28.7	B2/2500		
BH (60°-80°)	974.0	15.0	B2/1000		G1/1800
BVH (80°-90°)	12.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7
2.5°	777.9	775.3	777.3	775.7	774.4	773.1	773.7	776.0	777.0	777.3
5°	788.4	786.1	787.1	787.1	784.8	784.1	784.5	786.1	788.0	788.0
7.5°	805.3	803.0	805.3	804.0	802.1	801.4	801.1	802.4	805.3	805.3
10°	825.8	823.2	824.5	823.9	821.6	820.6	820.3	822.2	824.9	824.5
12.5°	848.3	845.4	847.0	845.1	844.4	843.4	843.4	843.1	844.7	843.4
15°	873.4	871.4	872.1	870.8	871.8	871.1	868.5	867.2	867.9	865.9
17.5°	903.0	898.5	900.8	900.1	900.1	901.4	897.2	895.5	896.9	894.9
20°	937.2	932.7	933.7	932.4	930.7	932.0	926.8	928.1	929.1	927.8
22.5°	974.7	968.8	968.5	969.2	965.6	965.9	962.3	965.6	967.5	964.0
25°	1013.2	1007.0	1011.2	1009.6	1005.0	1006.0	1003.4	1006.6	1008.3	1003.7
27.5°	1053.9	1049.6	1053.5	1054.5	1049.0	1052.9	1049.0	1051.9	1053.5	1046.7
30°	1101.4	1097.2	1100.8	1103.4	1096.9	1103.1	1099.8	1101.8	1102.1	1093.9
32.5°	1153.2	1146.7	1155.8	1157.1	1150.0	1157.5	1153.2	1155.8	1157.5	1146.4
35°	1216.4	1208.3	1218.7	1217.1	1210.9	1217.1	1213.2	1217.1	1221.0	1207.6
37.5°	1284.5	1276.1	1287.1	1284.2	1278.3	1282.6	1280.3	1282.9	1289.1	1274.7
40°	1359.4	1349.0	1364.0	1358.8	1353.3	1352.6	1353.9	1355.5	1363.7	1347.7
42.5°	1439.6	1428.5	1451.0	1442.8	1435.0	1429.8	1434.0	1437.3	1445.1	1427.2
45°	1531.1	1518.4	1547.7	1538.0	1525.6	1514.8	1521.7	1526.6	1538.0	1516.5
47.5°	1632.1	1617.8	1649.1	1646.1	1625.9	1602.5	1618.1	1632.1	1640.6	1614.5
50°	1730.8	1719.8	1760.8	1764.4	1739.6	1706.7	1728.5	1749.7	1752.0	1717.8
52.5°	1823.3	1812.3	1871.9	1894.4	1872.2	1833.1	1856.3	1877.8	1860.5	1816.2
55°	1897.3	1888.2	1964.1	2022.1	2029.6	1997.3	2011.0	2010.3	1953.7	1885.6
57.5°	1915.2	1913.9	2009.7	2132.5	2210.7	2214.6	2187.6	2118.5	1996.3	1904.8
60°	1833.8	1841.9	1973.5	2190.2	2398.7	2485.3	2368.4	2171.3	1947.8	1820.7
62.5°	1590.1	1611.6	1770.2	2119.8	2550.5	2796.8	2513.3	2091.1	1748.4	1582.6
65°	1139.6	1177.0	1352.3	1809.0	2536.8	3070.4	2492.5	1794.4	1365.3	1174.1
67.5°	517.0	555.1	704.0	1238.6	2205.2	2996.1	2199.9	1251.6	739.2	557.1
70°	187.3	193.8	241.7	495.8	1409.3	2387.3	1469.6	499.4	257.0	206.5
72.5°	113.4	114.3	124.4	177.5	489.6	1449.4	510.5	183.4	127.1	112.7
75°	72.0	71.3	88.6	108.5	173.6	489.0	182.1	108.5	88.3	80.5
77.5°	51.8	53.4	63.5	81.1	109.5	165.8	107.5	77.5	63.5	52.1
80°	38.8	39.7	46.3	63.2	76.9	103.3	68.4	57.3	47.9	32.6
82.5°	28.0	28.0	30.3	45.9	46.9	55.7	37.1	40.4	31.6	23.1
85°	16.6	16.3	18.9	27.4	24.4	20.5	16.9	24.8	19.9	14.3
87.5°	5.9	6.2	5.9	7.8	6.5	5.5	5.2	6.8	5.5	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
772.7
777.3
788.0
804.3
823.9
844.1
866.2
896.5
930.7
967.5
1008.9
1051.9
1098.8
1153.9
1215.8
1283.5
1352.9
1436.7
1527.5
1623.3
1722.0
1817.5
1887.9
1898.9
1805.8
1572.8
1160.1
548.9
203.9
114.7
81.1
53.1
33.6
23.1
14.0
4.6
0.0

OF REPORT)