

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: P940870

Luminaire Tested: **GALN-SB4A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11069 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

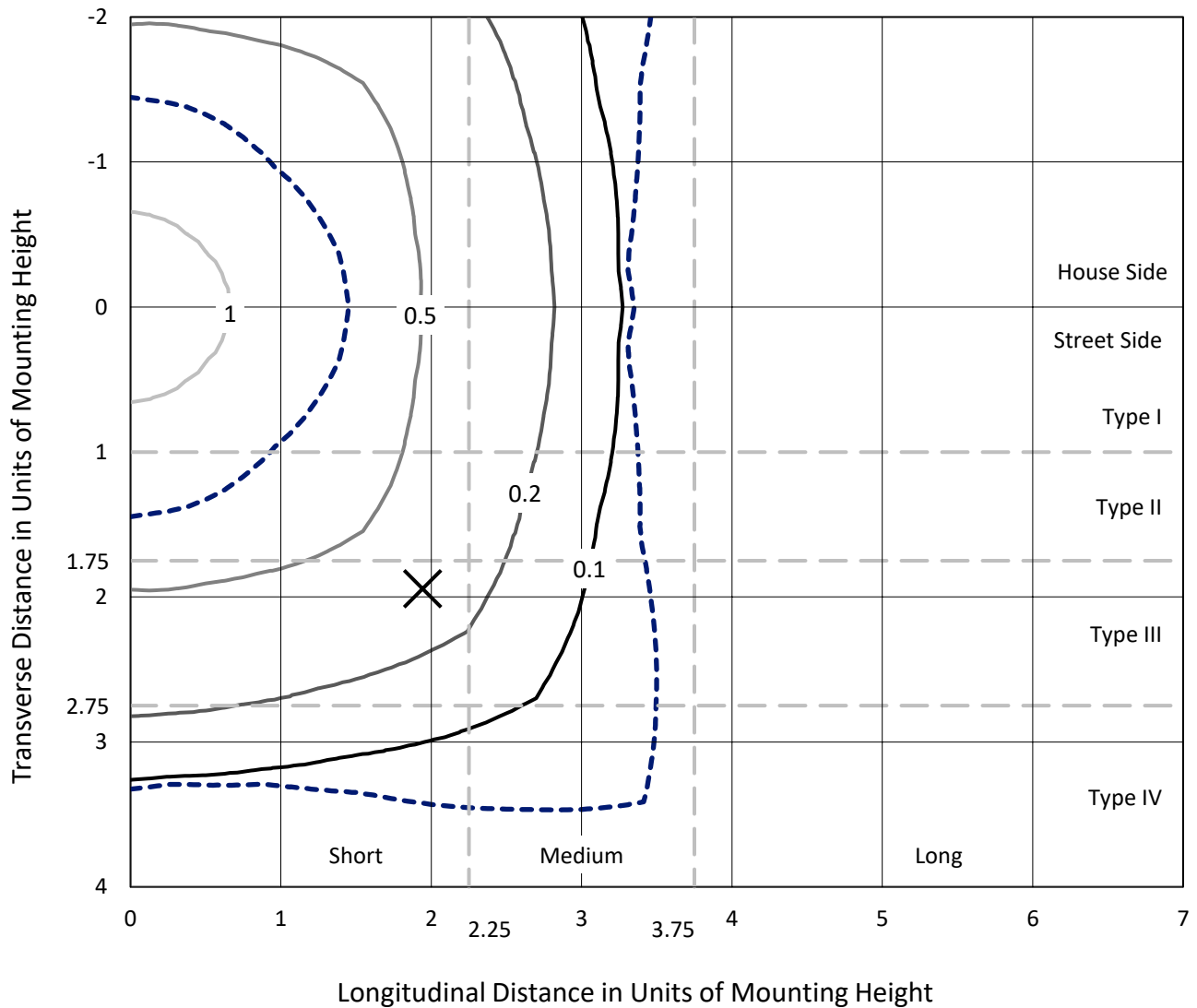
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

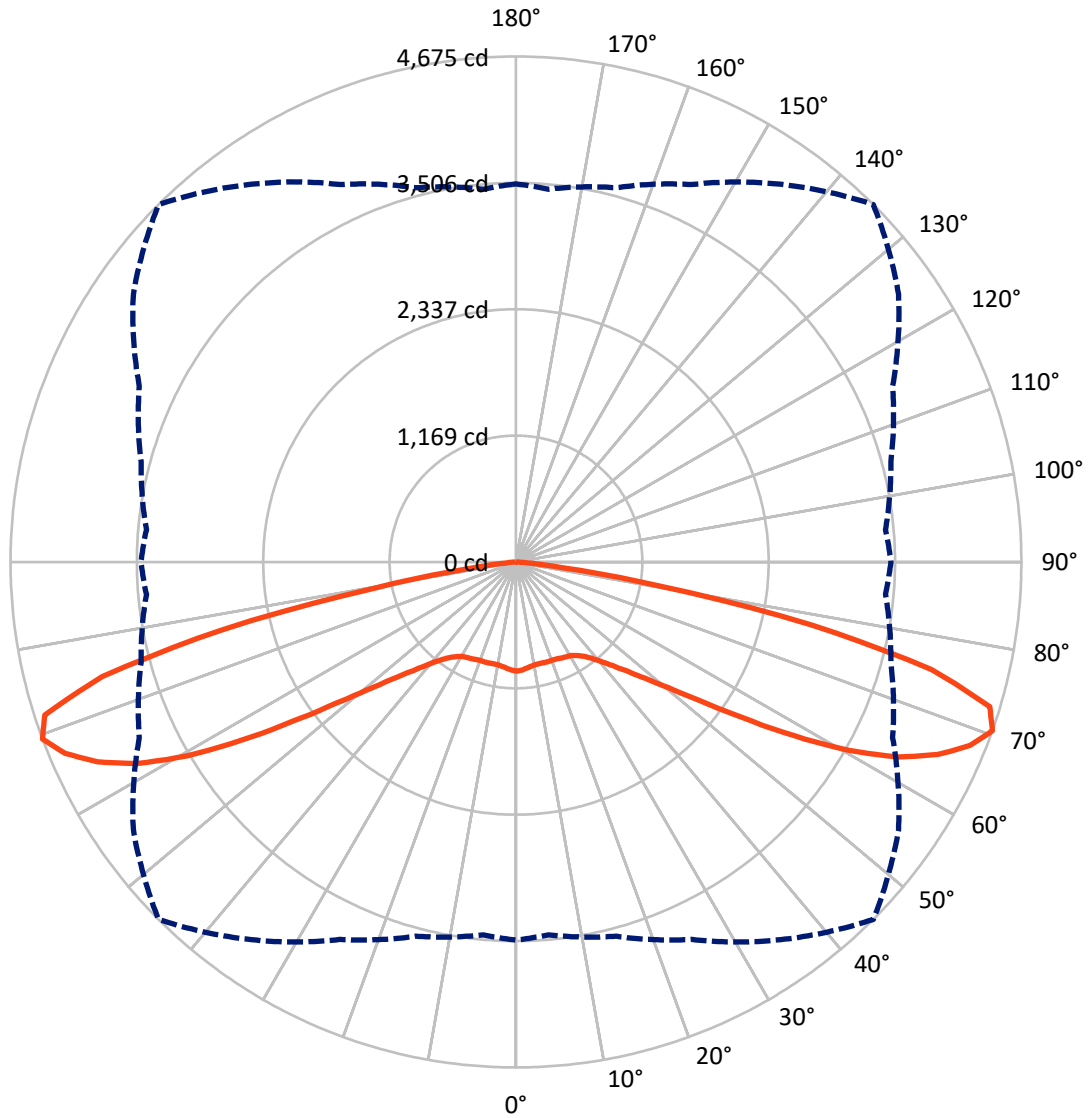
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5534.5	0.0	5534.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5534.5	0.0	5534.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11069.0	0.0	11069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	0.8
10°-20°	275.8	2.5
20°-30°	459.0	4.1
30°-40°	694.1	6.3
40°-50°	1153.4	10.4
50°-60°	2176.4	19.7
60°-70°	3675.0	33.2
70°-80°	2414.9	21.8
80°-90°	126.5	1.1
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°	11069.0	100.0
0°-180°	11069.0	100.0

Coefficient of Utilization



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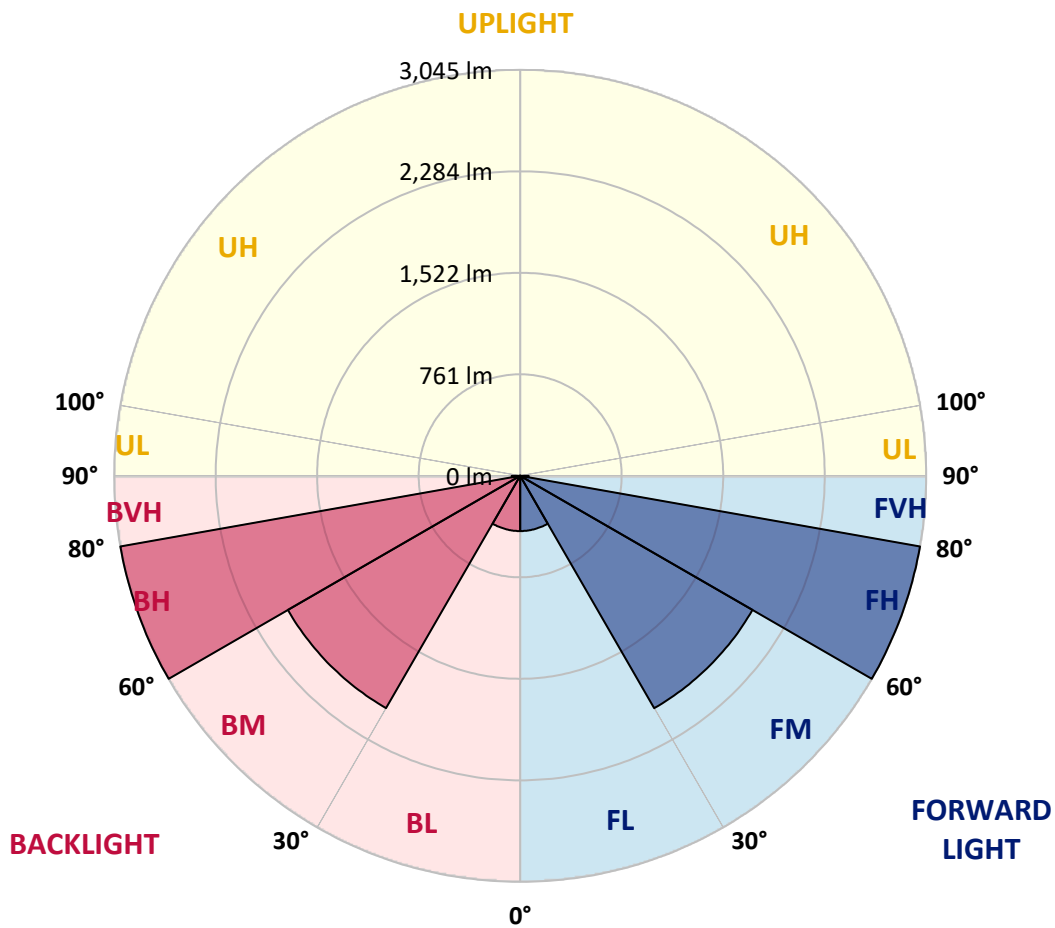
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.3	3.7			
FM (30°-60°)	2012.0	18.2			
FH (60°-80°)	3044.9	27.5			G2/5000
FVH (80°-90°)	63.3	0.6			G1/100
BL (0°-30°)	414.3	3.7	B1/500		
BM (30°-60°)	2012.0	18.2	B2/2500		
BH (60°-80°)	3044.9	27.5	B4/5000		G2/5000
BVH (80°-90°)	63.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1009.7	1009.7	1009.7	1009.7	1009.7	1009.7	1009.7	1009.7	1009.7	1009.7
2.5°	1003.4	1006.3	1005.1	1002.8	1002.8	1001.1	1002.8	1004.0	1005.7	1006.8
5°	990.2	992.5	991.9	990.2	990.7	989.0	990.2	991.9	993.0	993.6
7.5°	978.6	980.9	979.8	976.9	976.9	975.2	975.8	977.5	979.2	979.8
10°	975.8	978.1	974.6	970.0	968.3	966.0	966.6	968.3	971.7	973.5
12.5°	976.9	978.6	975.2	968.3	966.6	964.3	964.3	966.0	970.6	972.9
15°	980.4	982.1	976.9	969.4	967.7	966.0	965.4	967.7	972.9	976.9
17.5°	986.7	988.4	980.4	970.0	967.7	968.3	967.7	969.4	977.5	985.0
20°	992.5	993.6	982.7	970.0	967.7	968.3	967.7	971.2	981.5	991.9
22.5°	994.2	995.3	985.0	974.0	972.3	972.9	972.3	975.8	985.6	995.9
25°	994.8	996.5	988.4	979.8	982.7	983.8	982.7	983.3	990.7	999.9
27.5°	1003.4	1005.7	998.2	990.7	992.5	991.9	993.6	995.3	1001.1	1010.3
30°	1021.2	1022.9	1016.6	1009.1	1008.0	1004.0	1009.1	1014.9	1021.2	1029.3
32.5°	1050.6	1054.0	1046.0	1037.9	1032.7	1030.4	1034.5	1044.2	1052.9	1061.5
35°	1099.5	1101.8	1094.3	1079.3	1070.1	1070.1	1073.6	1086.2	1100.0	1111.0
37.5°	1168.5	1171.4	1158.2	1140.3	1126.5	1126.5	1131.1	1144.3	1165.1	1180.6
40°	1252.5	1256.5	1239.9	1221.4	1208.2	1205.9	1211.7	1226.6	1246.2	1265.7
42.5°	1353.8	1358.4	1336.5	1320.4	1310.0	1310.0	1312.9	1326.7	1344.6	1368.7
45°	1483.2	1491.3	1461.4	1445.2	1435.5	1437.8	1439.5	1451.6	1467.7	1495.3
47.5°	1637.4	1645.5	1613.8	1597.1	1595.4	1606.3	1599.4	1608.1	1616.7	1648.3
50°	1812.3	1826.1	1804.3	1803.1	1806.6	1826.7	1810.6	1815.2	1805.4	1825.5
52.5°	2026.3	2046.5	2042.4	2049.3	2087.9	2129.3	2092.5	2076.4	2039.6	2045.9
55°	2285.8	2316.3	2322.1	2363.5	2450.9	2535.5	2457.3	2392.2	2314.0	2299.6
57.5°	2581.0	2605.1	2632.7	2717.3	2880.7	3030.9	2880.7	2736.9	2613.8	2584.4
60°	2898.5	2928.5	2954.9	3079.8	3322.6	3533.7	3318.0	3089.6	2926.7	2887.0
62.5°	3239.7	3278.3	3296.7	3435.3	3718.4	3970.4	3722.4	3445.7	3265.0	3222.5
65°	3567.1	3598.7	3619.4	3767.3	4037.7	4290.3	4056.1	3783.4	3597.6	3541.8
67.5°	3719.6	3736.8	3787.4	3954.9	4240.2	4528.5	4288.6	3972.7	3765.0	3667.2
70°	3496.3	3461.2	3583.2	3851.3	4264.4	4674.6	4319.6	3843.2	3588.9	3430.2
72.5°	2701.8	2641.4	2853.1	3311.6	3988.2	4581.4	4015.8	3337.5	2984.8	2662.7
75°	1470.0	1401.5	1693.8	2273.7	3180.5	3971.0	3253.5	2338.7	1886.0	1459.1
77.5°	414.8	388.9	624.8	1100.0	1913.0	2788.1	1986.6	1124.2	741.0	439.6
80°	127.1	123.1	166.8	331.4	812.4	1335.4	780.7	335.4	212.3	134.1
82.5°	75.4	69.0	82.8	120.8	207.1	419.4	201.4	126.0	101.3	67.9
85°	43.2	40.3	48.9	58.7	69.6	89.2	58.1	59.8	54.1	36.2
87.5°	17.8	16.1	19.0	18.4	16.1	20.7	15.5	18.4	21.9	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1009.7
1006.3
993.6
979.8
973.5
973.5
977.5
985.0
992.5
995.9
999.4
1008.0
1027.6
1058.0
1106.9
1174.8
1259.4
1367.0
1494.1
1639.1
1813.5
2024.6
2277.2
2563.7
2852.5
3187.9
3514.2
3668.3
3468.1
2742.6
1554.0
488.5
141.5
73.6
38.0
13.2
0.0

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