

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: P940700

Luminaire Tested: **GALN-SB3D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940700
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-SB3D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18798 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

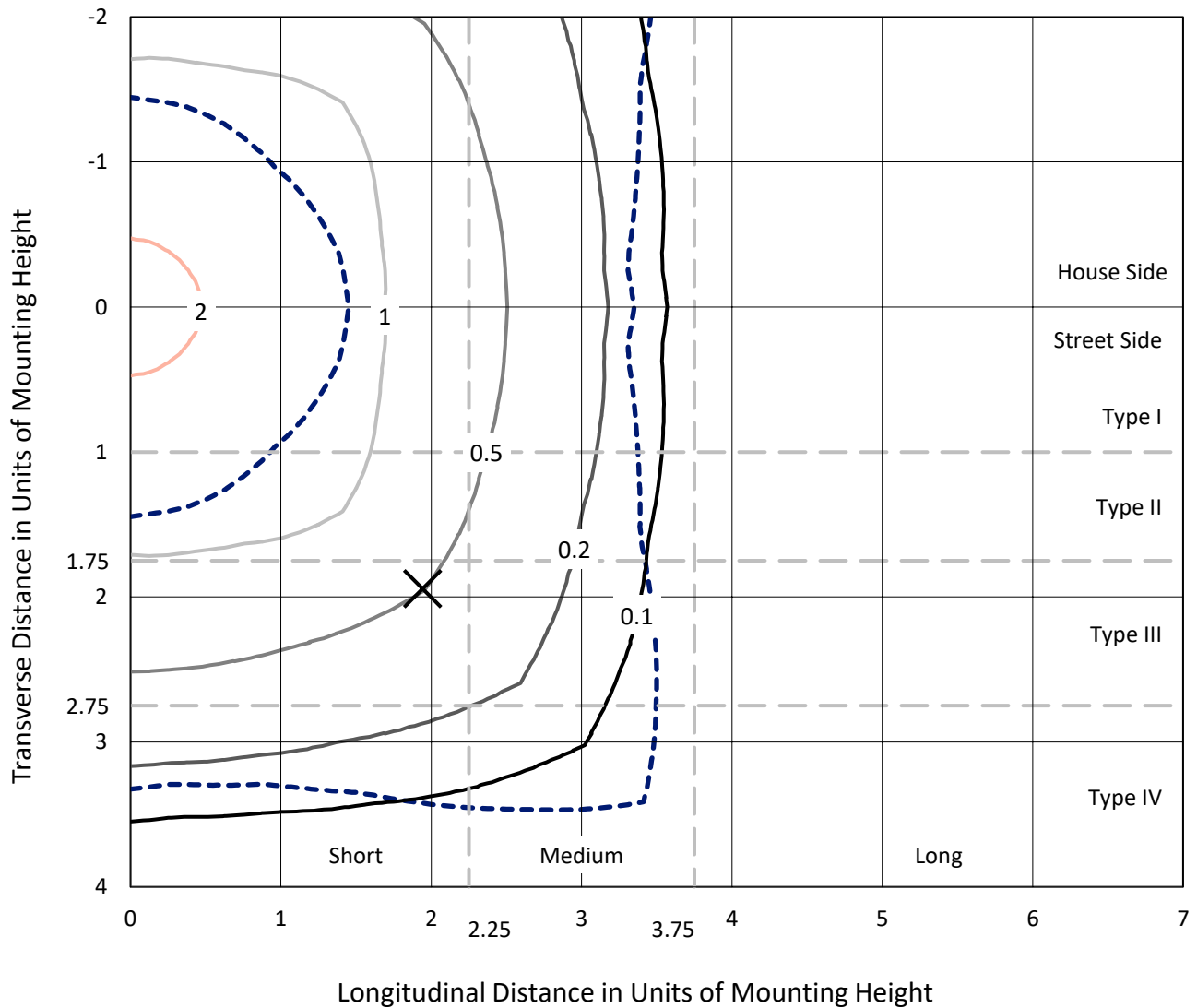
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

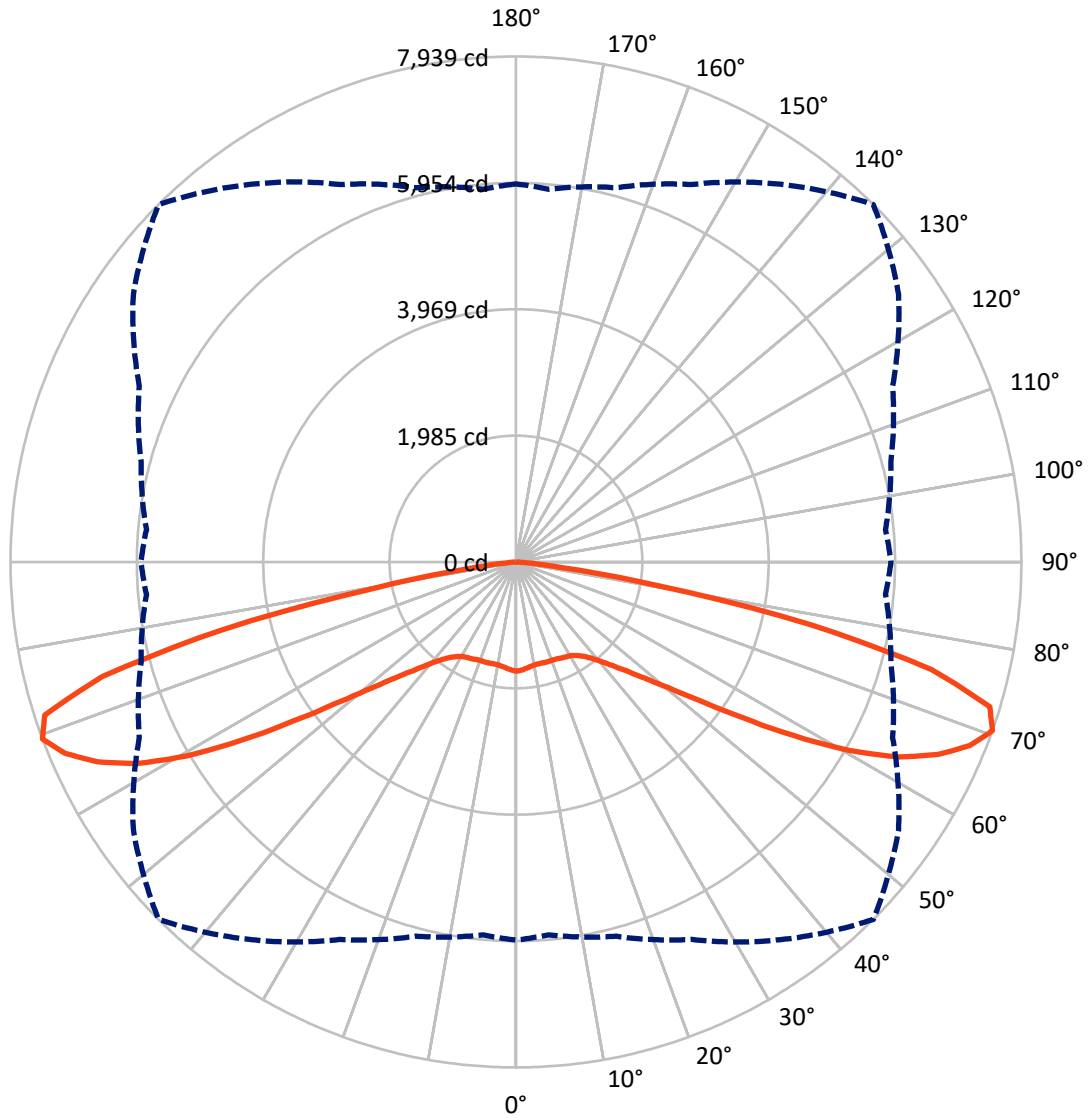
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	9399.0	0.0	9399.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9399.0	0.0	9399.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18798.0	0.0	18798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	0.8
10°-20°	468.4	2.5
20°-30°	779.4	4.1
30°-40°	1178.7	6.3
40°-50°	1958.8	10.4
50°-60°	3696.2	19.7
60°-70°	6241.1	33.2
70°-80°	4101.0	21.8
80°-90°	214.9	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°	18798.0	100.0
0°-180°	18798.0	100.0

Coefficient of Utilization



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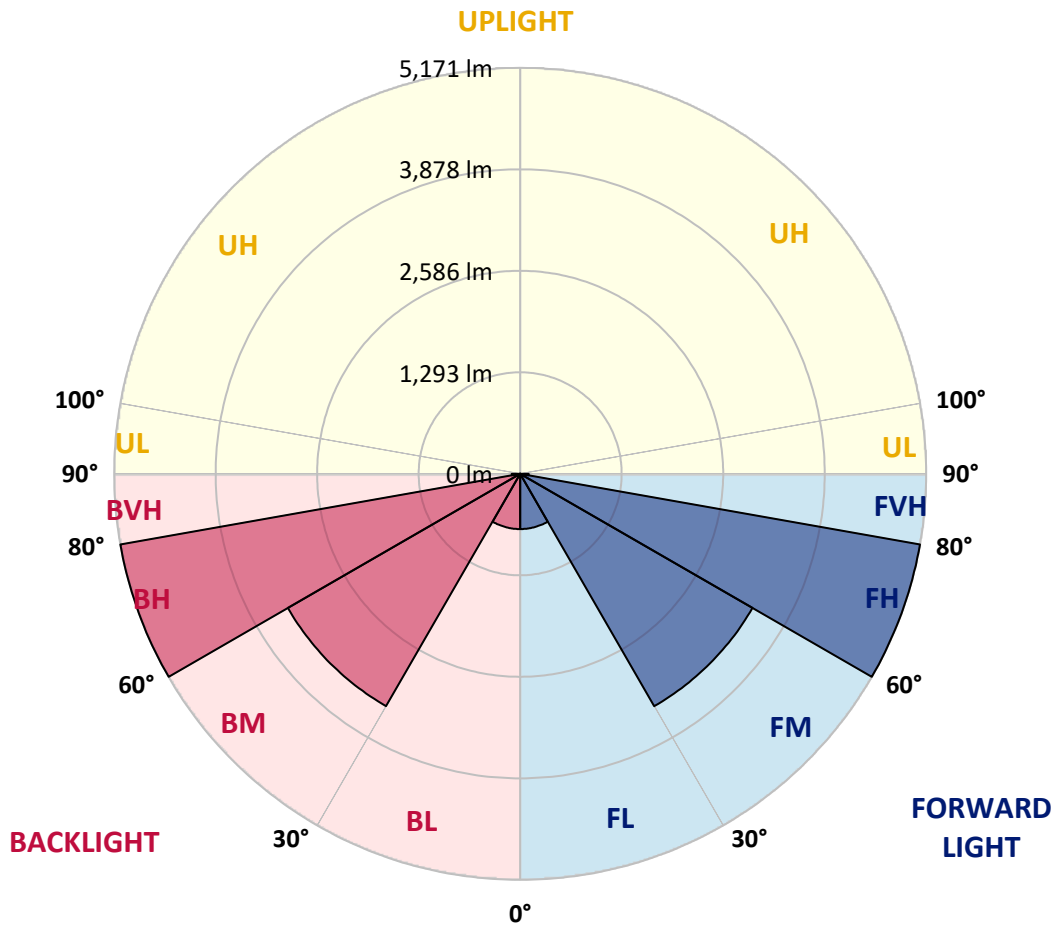
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	703.7	3.7			
FM (30°-60°)	3416.8	18.2			
FH (60°-80°)	5171.1	27.5			G3/7500
FVH (80°-90°)	107.4	0.6			G2/225
BL (0°-30°)	703.7	3.7	B2/1000		
BM (30°-60°)	3416.8	18.2	B3/5000		
BH (60°-80°)	5171.1	27.5	B5		G3/7500
BVH (80°-90°)	107.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8
2.5°	1704.0	1708.9	1706.9	1703.0	1703.0	1700.1	1703.0	1705.0	1707.9	1709.9
5°	1681.5	1685.4	1684.5	1681.5	1682.5	1679.6	1681.5	1684.5	1686.4	1687.4
7.5°	1662.0	1665.9	1663.9	1659.1	1659.1	1656.1	1657.1	1660.0	1663.0	1663.9
10°	1657.1	1661.0	1655.2	1647.3	1644.4	1640.5	1641.5	1644.4	1650.3	1653.2
12.5°	1659.1	1662.0	1656.1	1644.4	1641.5	1637.6	1637.6	1640.5	1648.3	1652.2
15°	1664.9	1667.9	1659.1	1646.4	1643.4	1640.5	1639.5	1643.4	1652.2	1659.1
17.5°	1675.7	1678.6	1664.9	1647.3	1643.4	1644.4	1643.4	1646.4	1660.0	1672.7
20°	1685.4	1687.4	1668.8	1647.3	1643.4	1644.4	1643.4	1649.3	1666.9	1684.5
22.5°	1688.4	1690.3	1672.7	1654.2	1651.2	1652.2	1651.2	1657.1	1673.7	1691.3
25°	1689.4	1692.3	1678.6	1663.9	1668.8	1670.8	1668.8	1669.8	1682.5	1698.1
27.5°	1704.0	1707.9	1695.2	1682.5	1685.4	1684.5	1687.4	1690.3	1700.1	1715.7
30°	1734.3	1737.2	1726.5	1713.8	1711.8	1705.0	1713.8	1723.5	1734.3	1748.0
32.5°	1784.1	1790.0	1776.3	1762.6	1753.8	1749.9	1756.8	1773.4	1788.0	1802.7
35°	1867.2	1871.1	1858.4	1833.0	1817.3	1817.3	1823.2	1844.7	1868.2	1886.7
37.5°	1984.4	1989.3	1966.8	1936.6	1913.1	1913.1	1920.9	1943.4	1978.6	2004.9
40°	2127.1	2133.9	2105.6	2074.3	2051.8	2047.9	2057.7	2083.1	2116.3	2149.6
42.5°	2299.0	2306.9	2269.7	2242.4	2224.8	2224.8	2229.7	2253.1	2283.4	2324.4
45°	2518.9	2532.6	2481.8	2454.4	2437.8	2441.7	2444.6	2465.1	2492.5	2539.4
47.5°	2780.7	2794.4	2740.7	2712.3	2709.4	2728.0	2716.3	2730.9	2745.6	2799.3
50°	3077.8	3101.2	3064.1	3062.1	3068.0	3102.2	3074.8	3082.7	3066.0	3100.2
52.5°	3441.2	3475.4	3468.6	3480.3	3545.8	3616.1	3553.6	3526.2	3463.7	3474.5
55°	3881.9	3933.7	3943.5	4013.8	4162.3	4305.9	4173.1	4062.7	3929.8	3905.3
57.5°	4383.1	4424.2	4471.1	4614.7	4892.2	5147.2	4892.2	4647.9	4438.8	4389.0
60°	4922.5	4973.3	5018.2	5230.3	5642.6	6001.2	5634.8	5246.9	4970.3	4902.9
62.5°	5501.9	5567.3	5598.6	5834.1	6314.8	6742.8	6321.6	5851.7	5544.9	5472.6
65°	6057.8	6111.6	6146.7	6397.8	6857.1	7286.0	6888.3	6425.2	6109.6	6014.8
67.5°	6316.8	6346.1	6432.0	6716.4	7201.0	7690.5	7283.1	6746.7	6393.9	6227.8
70°	5937.6	5878.0	6085.2	6540.5	7242.0	7938.7	7335.8	6526.8	6095.0	5825.3
72.5°	4588.3	4485.7	4845.3	5624.0	6773.0	7780.4	6819.9	5668.0	5069.0	4521.9
75°	2496.4	2380.1	2876.5	3861.4	5401.2	6743.7	5525.3	3971.8	3202.8	2477.8
77.5°	704.5	660.5	1061.1	1868.2	3248.8	4734.9	3373.8	1909.2	1258.5	746.5
80°	215.9	209.1	283.4	562.8	1379.6	2267.8	1325.9	569.6	360.5	227.7
82.5°	128.0	117.2	140.7	205.2	351.7	712.3	342.0	214.0	172.0	115.3
85°	73.3	68.4	83.1	99.7	118.2	151.4	98.7	101.6	91.8	61.6
87.5°	30.3	27.4	32.2	31.3	27.4	35.2	26.4	31.3	37.1	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1714.8
1708.9
1687.4
1663.9
1653.2
1653.2
1660.0
1672.7
1685.4
1691.3
1697.2
1711.8
1745.0
1796.8
1879.9
1995.2
2138.8
2321.5
2537.4
2783.7
3079.7
3438.3
3867.2
4353.8
4844.3
5413.9
5967.9
6229.8
5889.8
4657.7
2639.1
829.5
240.4
125.1
64.5
22.5
0.0

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