

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: P947582

Luminaire Tested: **GALN-SB2D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947582
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-SB2D-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12980 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

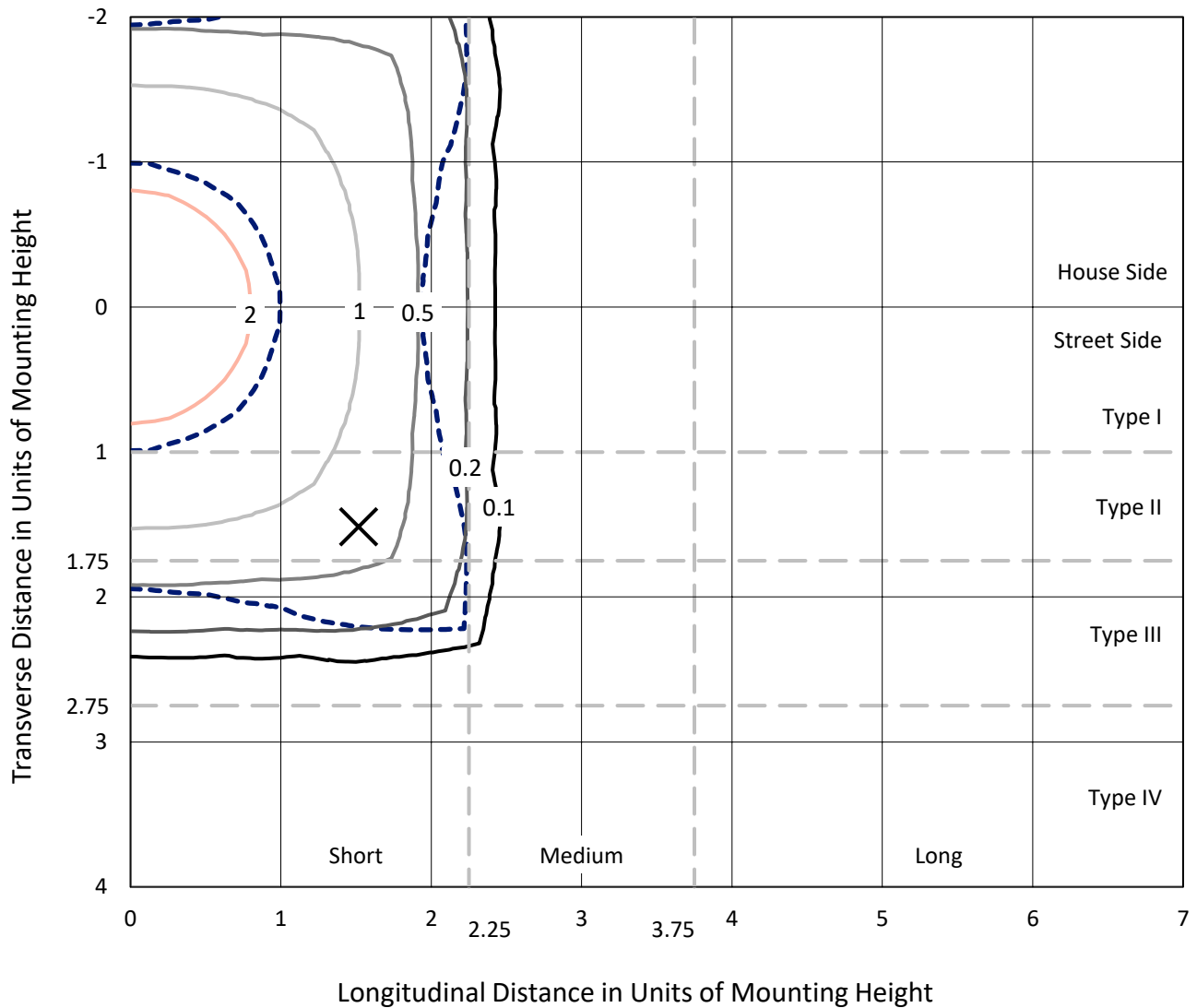
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

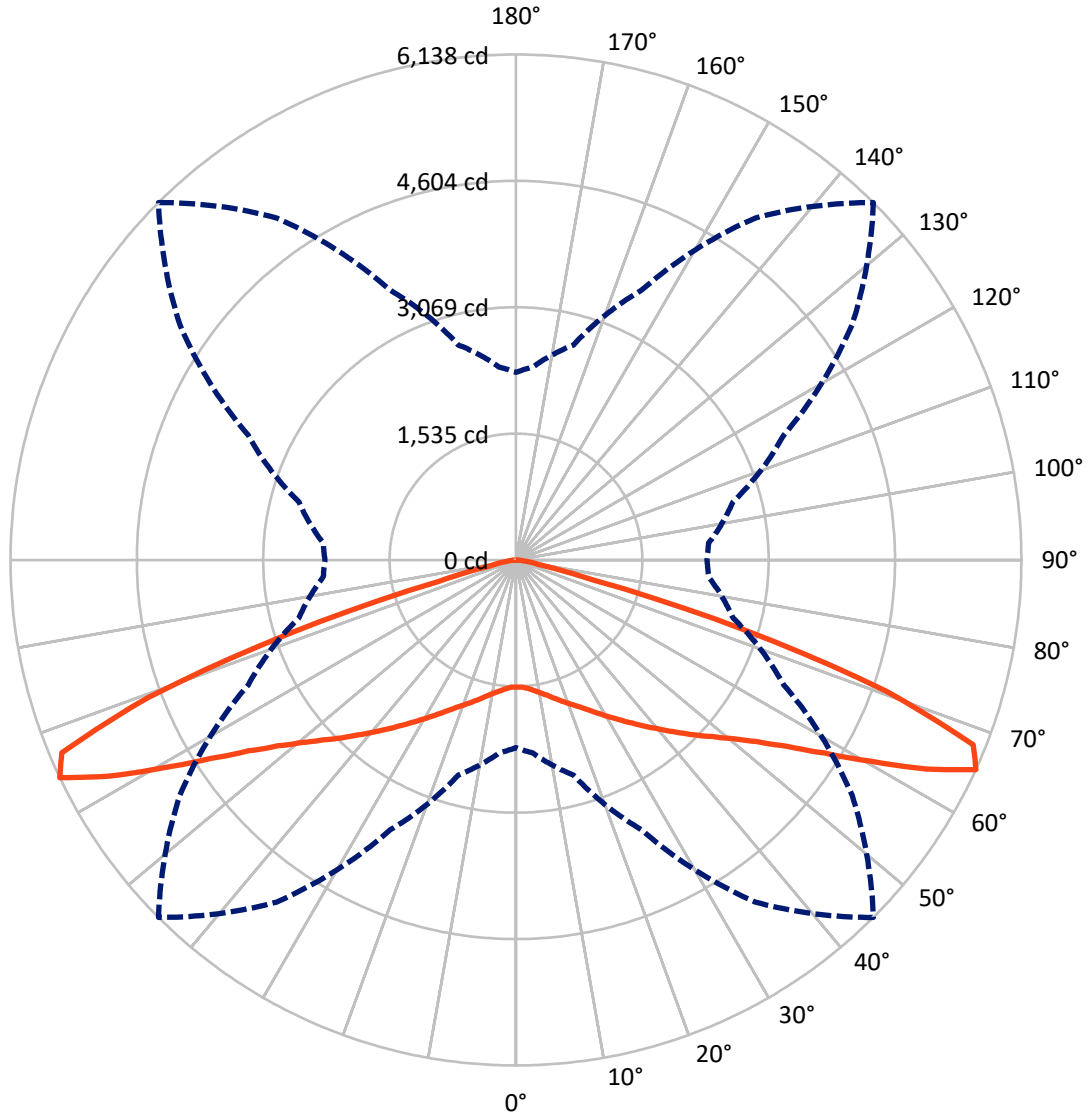
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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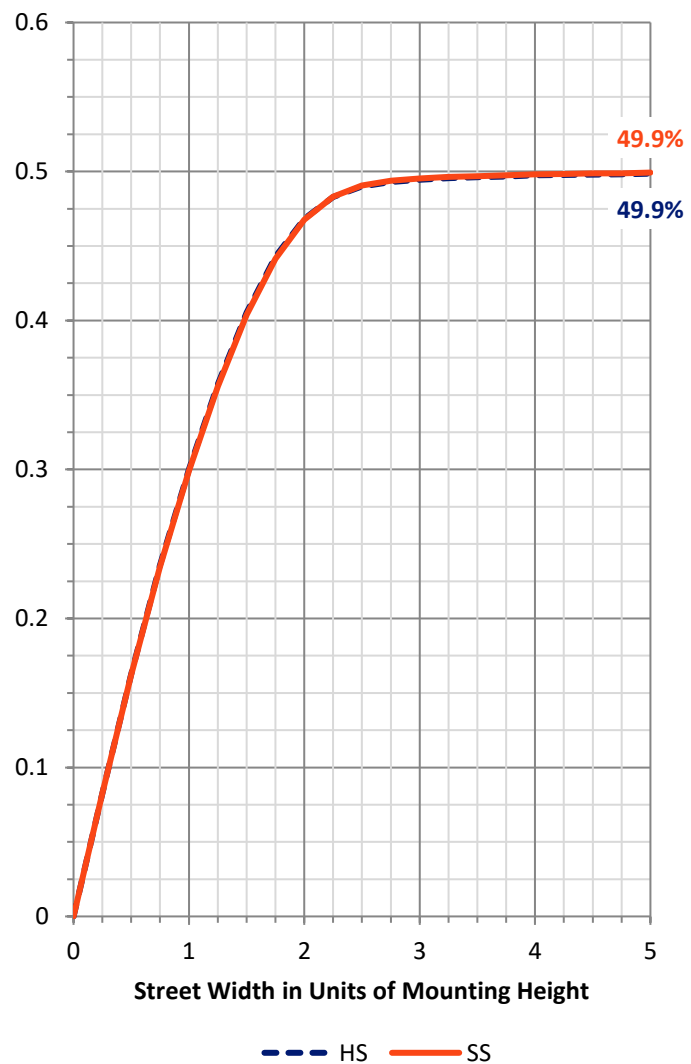
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6490.0	0.0	6490.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6490.0	0.0	6490.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12980.0	0.0	12980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	1.2
10°-20°	497.5	3.8
20°-30°	939.3	7.2
30°-40°	1538.0	11.8
40°-50°	2384.7	18.4
50°-60°	3522.7	27.1
60°-70°	3353.3	25.8
70°-80°	541.1	4.2
80°-90°	51.0	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°	12980.0	100.0
0°-180°	12980.0	100.0

Coefficient of Utilization



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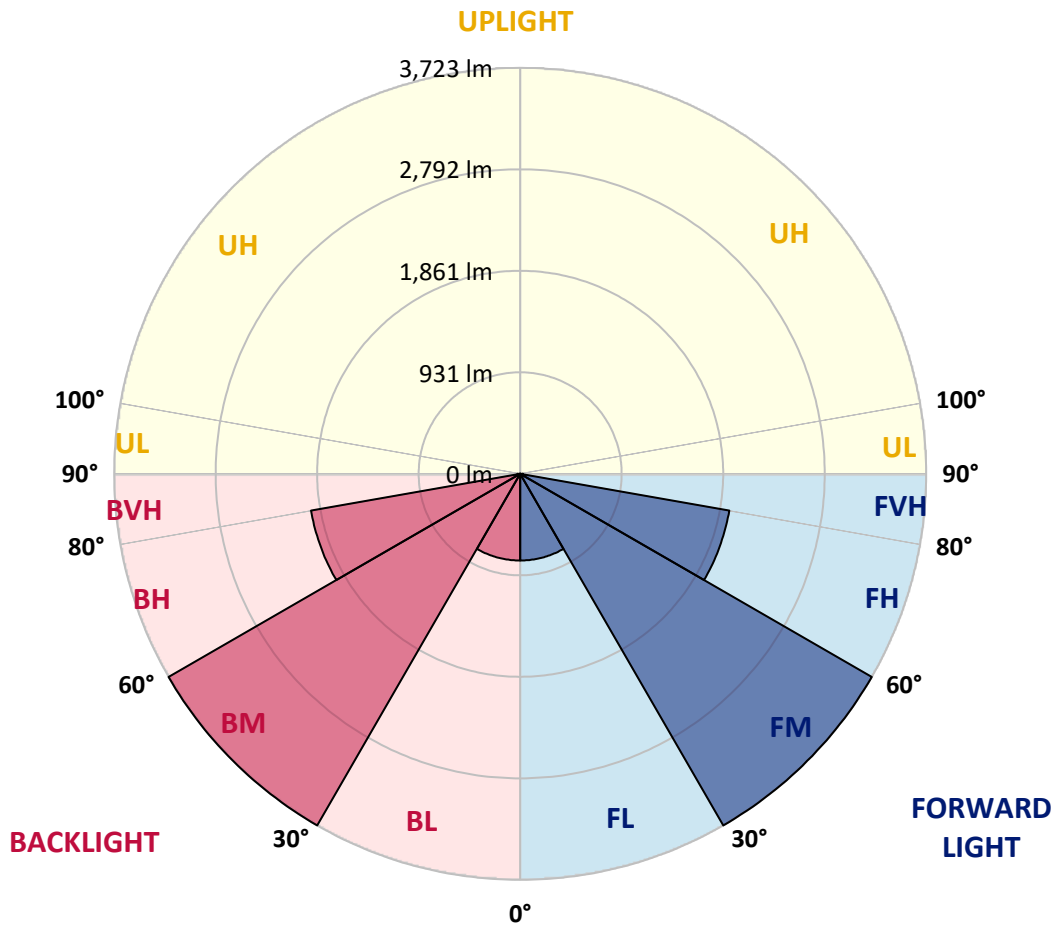
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	794.6	6.1			
FM (30°-60°)	3722.7	28.7			
FH (60°-80°)	1947.2	15.0			G2/5000
FVH (80°-90°)	25.5	0.2			G1/100
BL (0°-30°)	794.6	6.1	B2/1000		
BM (30°-60°)	3722.7	28.7	B3/5000		
BH (60°-80°)	1947.2	15.0	B3/2500		G2/5000
BVH (80°-90°)	25.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1544.7	1544.7	1544.7	1544.7	1544.7	1544.7	1544.7	1544.7	1544.7	1544.7
2.5°	1555.2	1550.0	1553.9	1550.6	1548.0	1545.4	1546.7	1551.3	1553.2	1553.9
5°	1576.0	1571.5	1573.4	1573.4	1568.8	1567.5	1568.2	1571.5	1575.4	1575.4
7.5°	1609.9	1605.3	1609.9	1607.3	1603.4	1602.1	1601.4	1604.0	1609.9	1609.9
10°	1650.9	1645.7	1648.3	1647.0	1642.4	1640.5	1639.8	1643.7	1648.9	1648.3
12.5°	1695.8	1690.0	1693.2	1689.3	1688.0	1686.1	1686.1	1685.4	1688.7	1686.1
15°	1746.0	1742.1	1743.4	1740.8	1742.7	1741.4	1736.2	1733.6	1734.9	1731.0
17.5°	1805.2	1796.1	1800.7	1799.4	1799.4	1802.0	1793.5	1790.3	1792.9	1789.0
20°	1873.6	1864.5	1866.5	1863.9	1860.6	1863.2	1852.8	1855.4	1857.3	1854.7
22.5°	1948.5	1936.8	1936.1	1937.4	1930.3	1930.9	1923.8	1930.3	1934.2	1927.0
25°	2025.4	2013.0	2021.5	2018.2	2009.1	2011.0	2005.8	2012.3	2015.6	2006.5
27.5°	2106.8	2098.3	2106.1	2108.1	2097.0	2104.8	2097.0	2102.9	2106.1	2092.4
30°	2201.9	2193.4	2200.6	2205.8	2192.7	2205.1	2198.6	2202.5	2203.2	2186.9
32.5°	2305.4	2292.4	2310.6	2313.2	2298.9	2313.9	2305.4	2310.6	2313.9	2291.7
35°	2431.7	2415.5	2436.3	2433.0	2420.7	2433.0	2425.2	2433.0	2440.9	2414.2
37.5°	2567.9	2550.9	2573.1	2567.2	2555.5	2563.9	2559.4	2564.6	2577.0	2548.3
40°	2717.6	2696.8	2726.8	2716.3	2705.3	2704.0	2706.6	2709.8	2726.1	2694.2
42.5°	2877.8	2855.7	2900.6	2884.4	2868.7	2858.3	2866.8	2873.3	2888.9	2853.1
45°	3060.8	3035.4	3094.1	3074.5	3049.8	3028.3	3042.0	3051.7	3074.5	3031.5
47.5°	3262.7	3234.1	3296.6	3290.7	3250.4	3203.5	3234.7	3262.7	3279.7	3227.6
50°	3460.1	3437.9	3520.0	3527.1	3477.6	3411.9	3455.5	3497.8	3502.4	3434.0
52.5°	3645.0	3622.9	3742.0	3787.0	3742.7	3664.5	3710.8	3753.8	3719.3	3630.7
55°	3792.8	3774.6	3926.3	4042.3	4057.2	3992.8	4020.1	4018.8	3905.5	3769.4
57.5°	3828.7	3826.1	4017.5	4263.0	4419.3	4427.2	4373.1	4235.0	3990.8	3807.8
60°	3665.9	3682.1	3945.2	4378.3	4795.1	4968.3	4734.5	4340.5	3893.8	3639.8
62.5°	3178.7	3221.7	3538.9	4237.6	5098.6	5590.9	5024.3	4180.3	3495.2	3163.7
65°	2278.1	2352.9	2703.3	3616.4	5071.2	6138.0	4982.7	3587.0	2729.4	2347.1
67.5°	1033.5	1109.7	1407.3	2476.0	4408.3	5989.5	4397.8	2502.1	1477.7	1113.6
70°	374.5	387.5	483.2	991.2	2817.3	4772.3	2937.8	998.4	513.8	412.9
72.5°	226.6	228.6	248.8	354.9	978.8	2897.4	1020.5	366.7	254.0	225.3
75°	143.9	142.6	177.1	216.9	347.1	977.5	364.0	216.9	176.5	160.9
77.5°	103.5	106.8	127.0	162.2	218.8	331.5	214.9	155.0	127.0	104.2
80°	77.5	79.5	92.5	126.3	153.7	206.4	136.8	114.6	95.7	65.1
82.5°	56.0	56.0	60.6	91.8	93.8	111.4	74.2	80.8	63.2	46.2
85°	33.2	32.6	37.8	54.7	48.8	41.0	33.9	49.5	39.7	28.7
87.5°	11.7	12.4	11.7	15.6	13.0	11.1	10.4	13.7	11.1	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1544.7
1553.9
1575.4
1607.9
1647.0
1687.4
1731.7
1792.2
1860.6
1934.2
2016.9
2102.9
2196.6
2306.7
2430.4
2565.9
2704.6
2872.0
3053.7
3245.1
3442.5
3633.3
3774.0
3796.1
3609.8
3144.2
2319.1
1097.3
407.7
229.2
162.2
106.2
67.1
46.2
28.0
9.1
0.0

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