

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: P939550

Luminaire Tested: **GALN-SB2A-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939550
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-SB2A-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6312 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

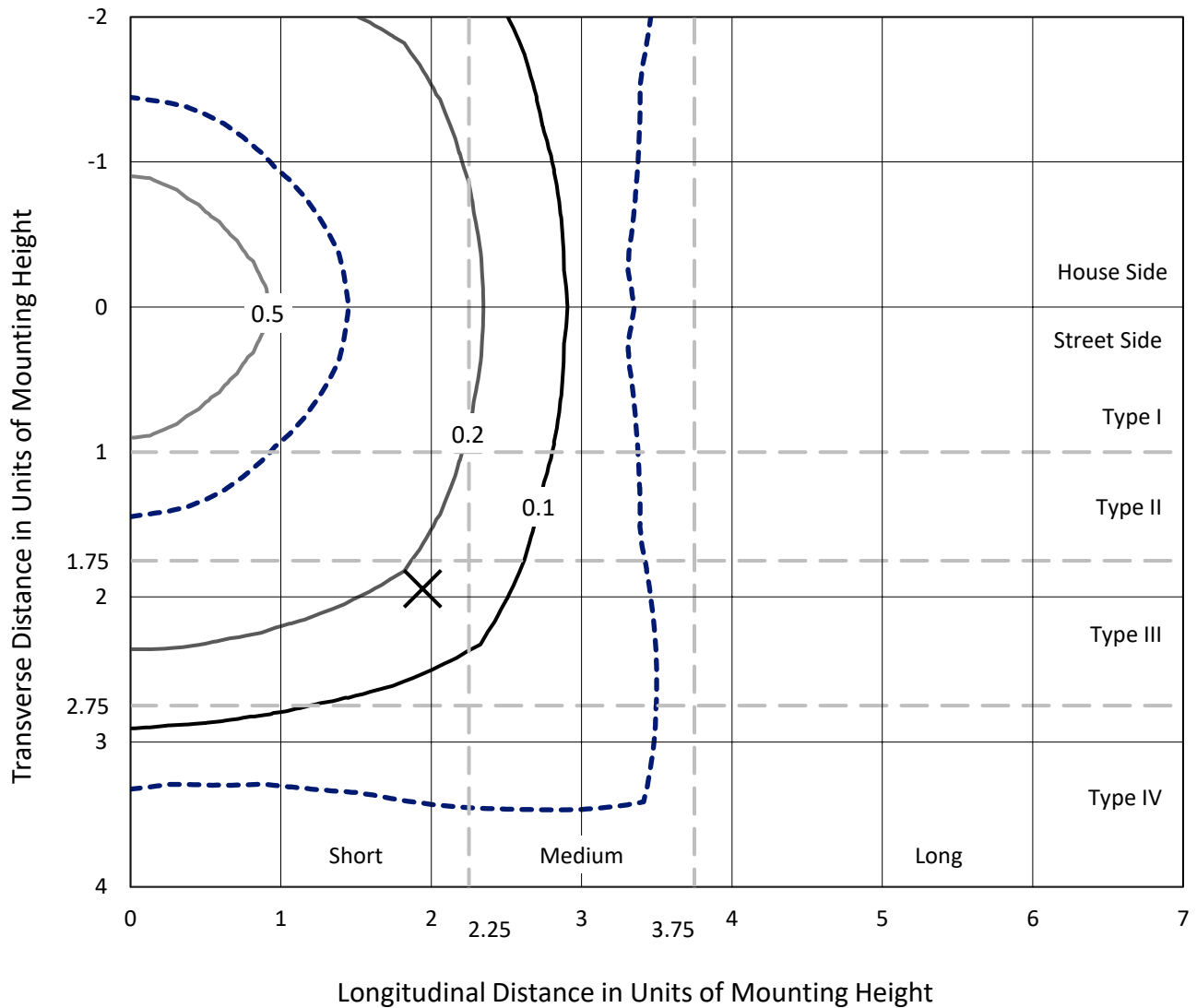
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

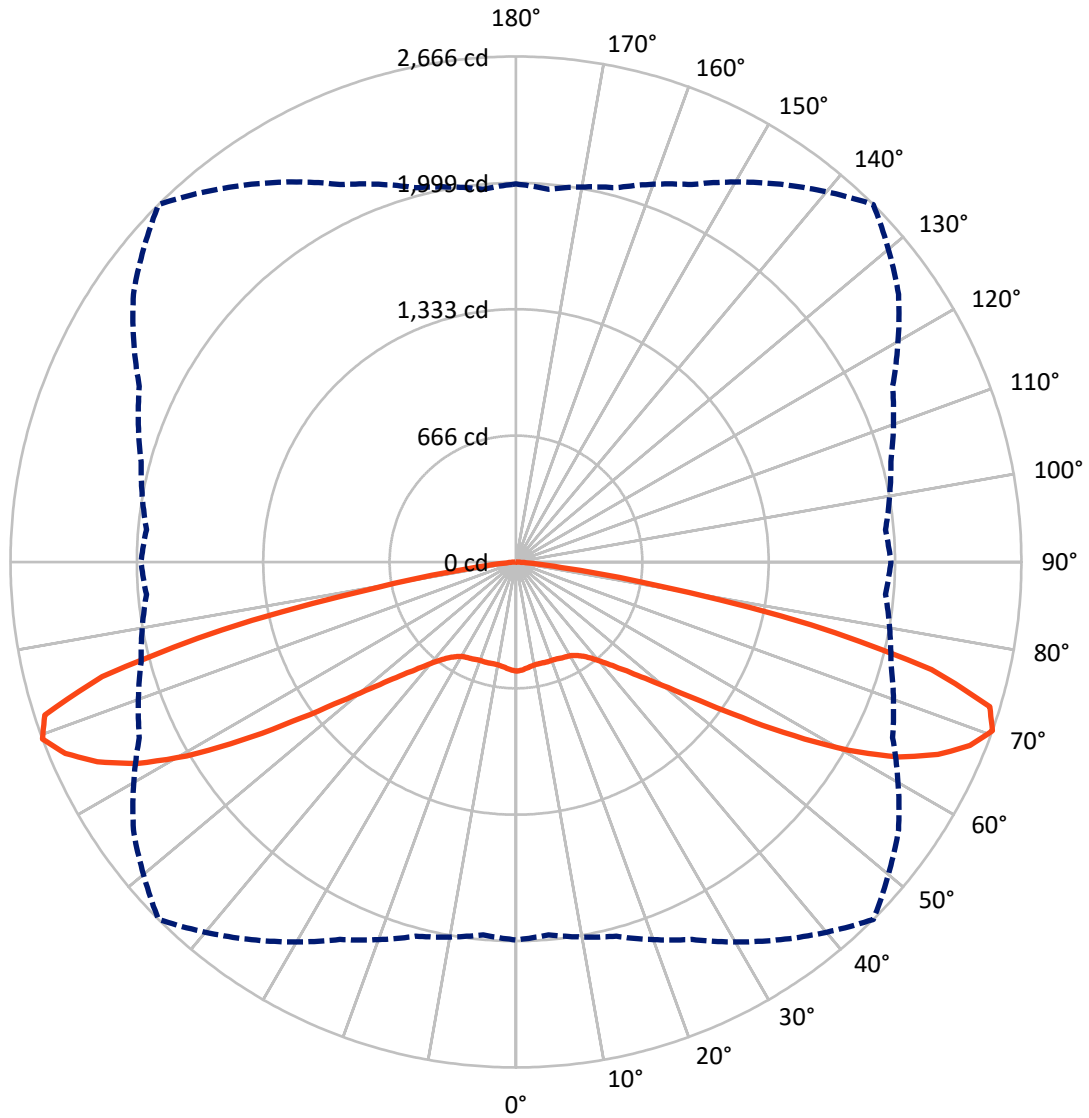
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6312.0	0.0	6312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	0.8
10°-20°	157.3	2.5
20°-30°	261.7	4.1
30°-40°	395.8	6.3
40°-50°	657.7	10.4
50°-60°	1241.1	19.7
60°-70°	2095.7	33.2
70°-80°	1377.1	21.8
80°-90°	72.1	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°	6312.0	100.0
0°-180°	6312.0	100.0

Coefficient of Utilization



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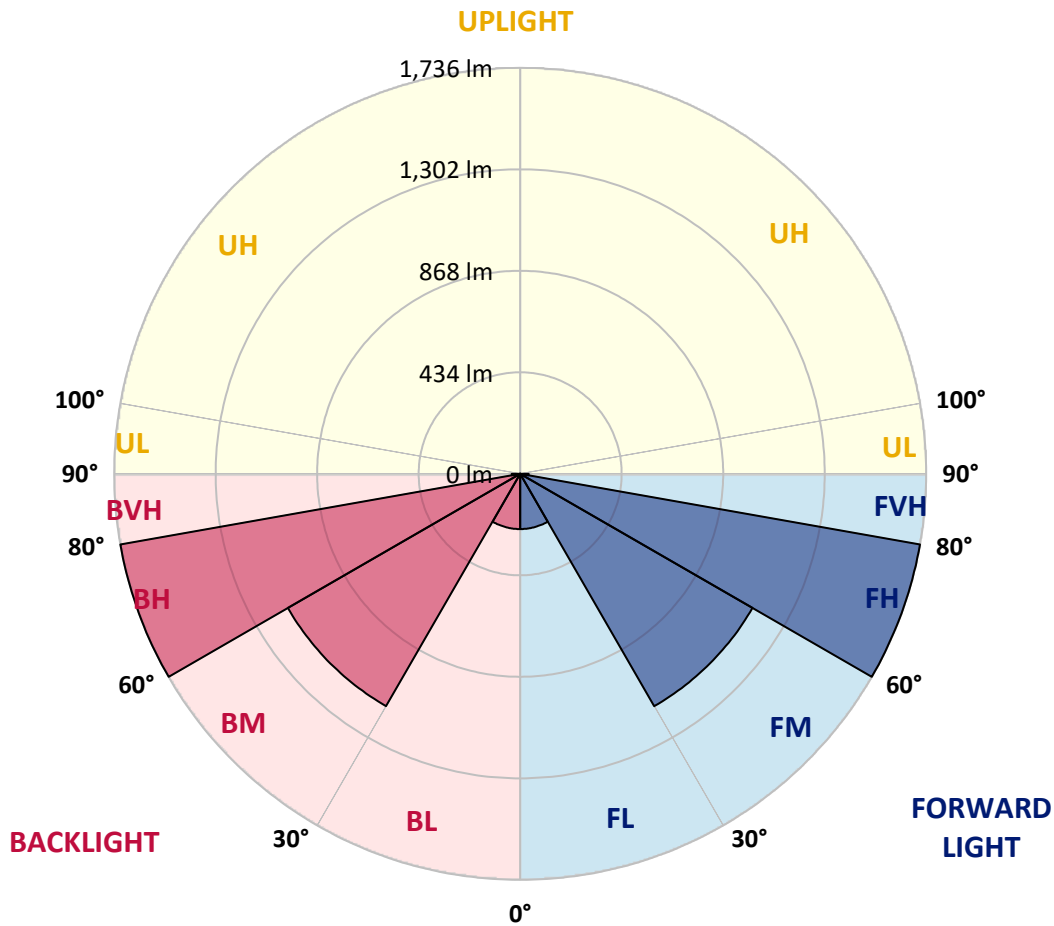
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.3	3.7			
FM (30°-60°)	1147.3	18.2			
FH (60°-80°)	1736.4	27.5			G1/1800
FVH (80°-90°)	36.1	0.6			G1/100
BL (0°-30°)	236.3	3.7	B1/500		
BM (30°-60°)	1147.3	18.2	B2/2500		
BH (60°-80°)	1736.4	27.5	B3/2500		G1/1800
BVH (80°-90°)	36.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	575.8	575.8	575.8	575.8	575.8	575.8	575.8	575.8	575.8	575.8
2.5°	572.2	573.8	573.2	571.8	571.8	570.9	571.8	572.5	573.5	574.1
5°	564.6	565.9	565.6	564.6	565.0	564.0	564.6	565.6	566.3	566.6
7.5°	558.1	559.4	558.7	557.1	557.1	556.1	556.4	557.4	558.4	558.7
10°	556.4	557.7	555.8	553.1	552.2	550.8	551.2	552.2	554.1	555.1
12.5°	557.1	558.1	556.1	552.2	551.2	549.9	549.9	550.8	553.5	554.8
15°	559.0	560.0	557.1	552.8	551.8	550.8	550.5	551.8	554.8	557.1
17.5°	562.7	563.6	559.0	553.1	551.8	552.2	551.8	552.8	557.4	561.7
20°	565.9	566.6	560.4	553.1	551.8	552.2	551.8	553.8	559.7	565.6
22.5°	566.9	567.6	561.7	555.4	554.5	554.8	554.5	556.4	562.0	567.9
25°	567.3	568.2	563.6	558.7	560.4	561.0	560.4	560.7	565.0	570.2
27.5°	572.2	573.5	569.2	565.0	565.9	565.6	566.6	567.6	570.9	576.1
30°	582.3	583.3	579.7	575.5	574.8	572.5	575.5	578.7	582.3	586.9
32.5°	599.1	601.0	596.5	591.9	588.9	587.6	589.9	595.5	600.4	605.3
35°	627.0	628.3	624.0	615.5	610.2	610.2	612.2	619.4	627.3	633.5
37.5°	666.3	668.0	660.4	650.3	642.4	642.4	645.0	652.6	664.4	673.2
40°	714.2	716.5	707.0	696.5	689.0	687.7	690.9	699.5	710.6	721.8
42.5°	772.0	774.6	762.1	752.9	747.0	747.0	748.7	756.6	766.7	780.5
45°	845.8	850.4	833.3	824.1	818.6	819.9	820.9	827.7	836.9	852.7
47.5°	933.7	938.3	920.3	910.8	909.8	916.0	912.1	917.0	921.9	940.0
50°	1033.5	1041.3	1028.9	1028.2	1030.2	1041.7	1032.5	1035.1	1029.5	1041.0
52.5°	1155.5	1167.0	1164.7	1168.6	1190.6	1214.2	1193.2	1184.0	1163.0	1166.7
55°	1303.5	1320.9	1324.1	1347.8	1397.6	1445.9	1401.2	1364.2	1319.5	1311.3
57.5°	1471.8	1485.5	1501.3	1549.5	1642.7	1728.3	1642.7	1560.7	1490.5	1473.7
60°	1652.9	1669.9	1685.0	1756.2	1894.7	2015.1	1892.0	1761.8	1668.9	1646.3
62.5°	1847.4	1869.4	1879.9	1959.0	2120.4	2264.1	2122.7	1964.9	1861.9	1837.6
65°	2034.1	2052.1	2064.0	2148.3	2302.5	2446.5	2313.0	2157.5	2051.5	2019.7
67.5°	2121.0	2130.9	2159.8	2255.2	2418.0	2582.3	2445.5	2265.4	2147.0	2091.2
70°	1993.7	1973.7	2043.3	2196.2	2431.7	2665.7	2463.2	2191.6	2046.6	1956.0
72.5°	1540.7	1506.2	1627.0	1888.4	2274.3	2612.5	2290.0	1903.2	1702.1	1518.4
75°	838.2	799.2	965.9	1296.6	1813.6	2264.4	1855.3	1333.6	1075.4	832.0
77.5°	236.5	221.8	356.3	627.3	1090.9	1589.9	1132.9	641.1	422.6	250.7
80°	72.5	70.2	95.1	189.0	463.2	761.5	445.2	191.3	121.1	76.4
82.5°	43.0	39.4	47.2	68.9	118.1	239.2	114.8	71.8	57.7	38.7
85°	24.6	23.0	27.9	33.5	39.7	50.9	33.1	34.1	30.8	20.7
87.5°	10.2	9.2	10.8	10.5	9.2	11.8	8.9	10.5	12.5	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
575.8
573.8
566.6
558.7
555.1
555.1
557.4
561.7
565.9
567.9
569.9
574.8
586.0
603.3
631.2
669.9
718.2
779.5
852.0
934.7
1034.1
1154.5
1298.5
1461.9
1626.6
1817.9
2003.9
2091.8
1977.7
1564.0
886.1
278.5
80.7
42.0
21.7
7.5
0.0

OF REPORT)