

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: P941590

Luminaire Tested: **GALN-SB5A-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941590  
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-SB5A-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

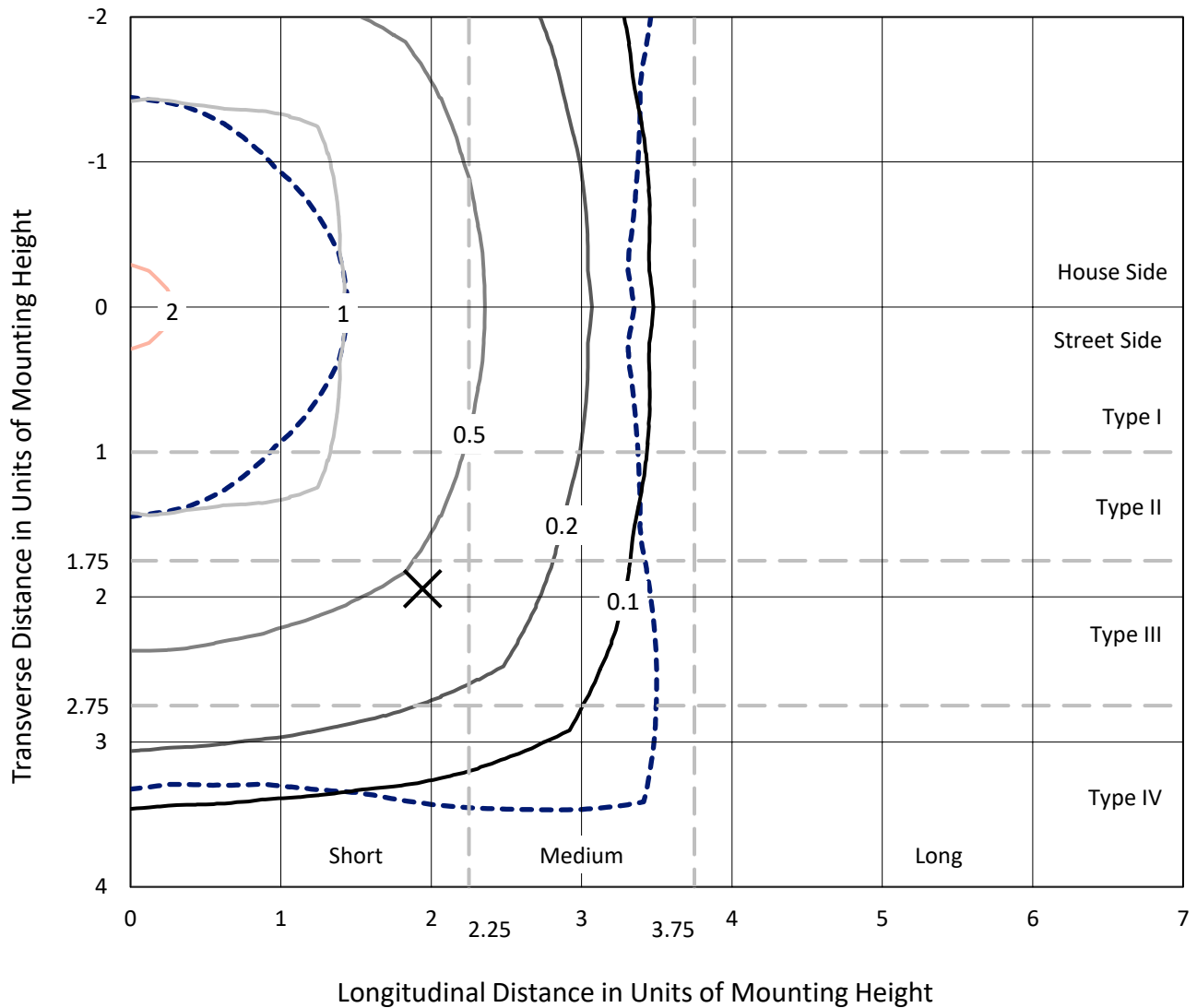
Lumens per Lamp: N/A  
Luminaire Lumens: 15945 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

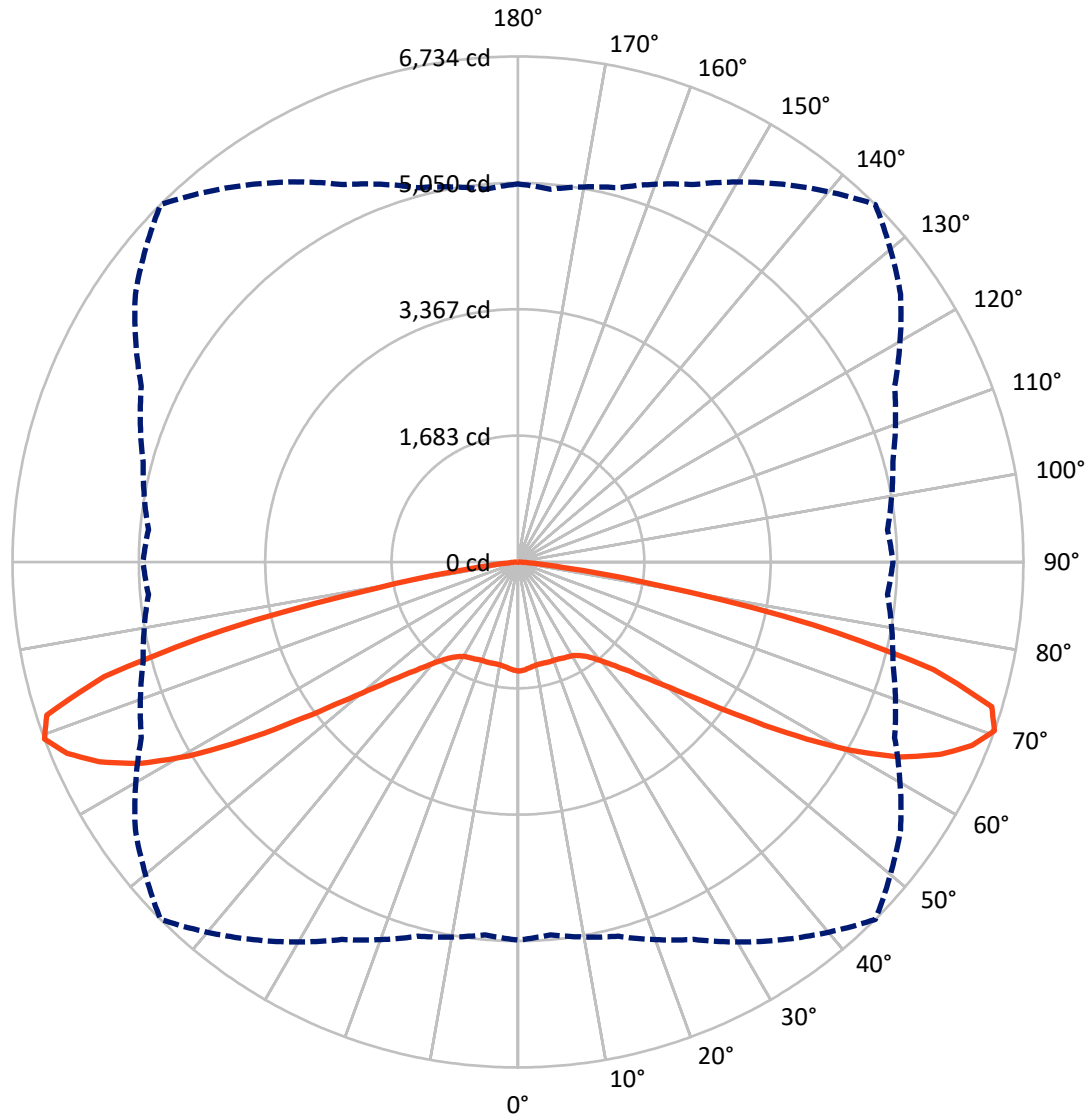
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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
<b>House Side</b>	Lumens	7972.5	0.0	7972.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7972.5	0.0	7972.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15945.0	0.0	15945.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.3	0.8
10°-20°	397.3	2.5
20°-30°	661.1	4.1
30°-40°	999.8	6.3
40°-50°	1661.5	10.4
50°-60°	3135.2	19.7
60°-70°	5293.9	33.2
70°-80°	3478.6	21.8
80°-90°	182.2	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°	15945.0	100.0
0°-180°	15945.0	100.0

**Coefficient of Utilization**



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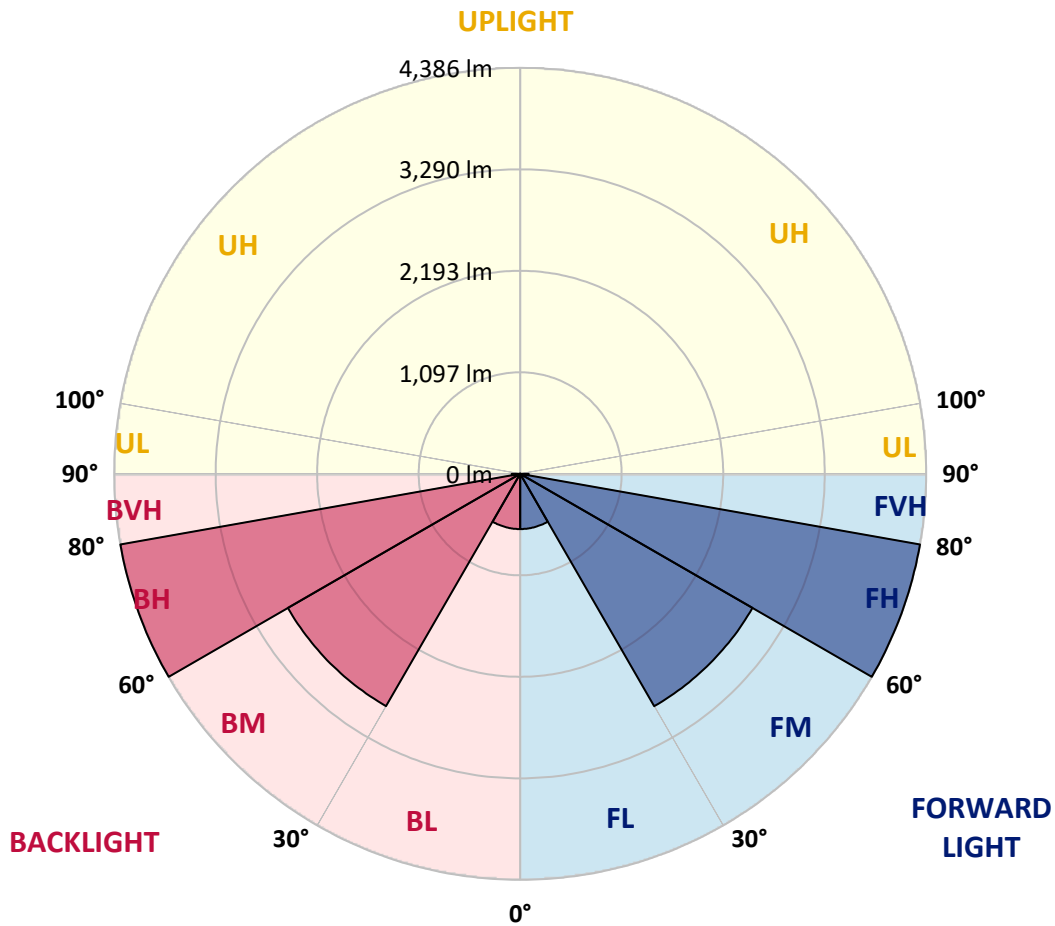
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.9	3.7			
FM (30°-60°)	2898.3	18.2			
FH (60°-80°)	4386.3	27.5			G2/5000
FVH (80°-90°)	91.1	0.6			G1/100
BL (0°-30°)	596.9	3.7	B2/1000		
BM (30°-60°)	2898.3	18.2	B3/5000		
BH (60°-80°)	4386.3	27.5	B4/5000		G2/5000
BVH (80°-90°)	91.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5	1454.5
2.5°	1445.4	1449.5	1447.9	1444.6	1444.6	1442.1	1444.6	1446.2	1448.7	1450.4
5°	1426.3	1429.6	1428.8	1426.3	1427.2	1424.7	1426.3	1428.8	1430.5	1431.3
7.5°	1409.8	1413.1	1411.4	1407.3	1407.3	1404.8	1405.6	1408.1	1410.6	1411.4
10°	1405.6	1408.9	1403.9	1397.3	1394.8	1391.5	1392.3	1394.8	1399.8	1402.3
12.5°	1407.3	1409.8	1404.8	1394.8	1392.3	1389.0	1389.0	1391.5	1398.1	1401.5
15°	1412.2	1414.7	1407.3	1396.5	1394.0	1391.5	1390.7	1394.0	1401.5	1407.3
17.5°	1421.4	1423.8	1412.2	1397.3	1394.0	1394.8	1394.0	1396.5	1408.1	1418.9
20°	1429.6	1431.3	1415.6	1397.3	1394.0	1394.8	1394.0	1399.0	1413.9	1428.8
22.5°	1432.1	1433.8	1418.9	1403.1	1400.6	1401.5	1400.6	1405.6	1419.7	1434.6
25°	1433.0	1435.4	1423.8	1411.4	1415.6	1417.2	1415.6	1416.4	1427.2	1440.4
27.5°	1445.4	1448.7	1437.9	1427.2	1429.6	1428.8	1431.3	1433.8	1442.1	1455.3
30°	1471.1	1473.6	1464.5	1453.7	1452.0	1446.2	1453.7	1462.0	1471.1	1482.7
32.5°	1513.3	1518.3	1506.7	1495.1	1487.7	1484.3	1490.1	1504.2	1516.7	1529.1
35°	1583.8	1587.1	1576.3	1554.8	1541.5	1541.5	1546.5	1564.7	1584.6	1600.4
37.5°	1683.2	1687.4	1668.3	1642.6	1622.7	1622.7	1629.4	1648.4	1678.3	1700.7
40°	1804.2	1810.1	1786.0	1759.5	1740.4	1737.1	1745.4	1767.0	1795.1	1823.3
42.5°	1950.1	1956.7	1925.3	1902.0	1887.1	1887.1	1891.3	1911.2	1936.9	1971.7
45°	2136.6	2148.2	2105.1	2081.9	2067.8	2071.1	2073.6	2091.0	2114.2	2154.0
47.5°	2358.7	2370.3	2324.7	2300.7	2298.2	2313.9	2304.0	2316.4	2328.9	2374.4
50°	2610.7	2630.5	2599.0	2597.4	2602.4	2631.4	2608.2	2614.8	2600.7	2629.7
52.5°	2919.0	2948.0	2942.2	2952.1	3007.6	3067.3	3014.3	2991.1	2938.0	2947.1
55°	3292.7	3336.7	3344.9	3404.6	3530.6	3652.4	3539.7	3446.1	3333.3	3312.6
57.5°	3717.9	3752.7	3792.5	3914.3	4149.7	4366.0	4149.7	3942.5	3765.1	3722.9
60°	4175.4	4218.5	4256.6	4436.4	4786.2	5090.4	4779.6	4450.5	4216.0	4158.8
62.5°	4666.8	4722.4	4748.9	4948.6	5356.4	5719.4	5362.2	4963.6	4703.3	4642.0
65°	5138.4	5184.0	5213.8	5426.8	5816.4	6180.2	5842.9	5450.0	5182.3	5102.0
67.5°	5358.0	5382.9	5455.8	5697.0	6108.1	6523.3	6177.7	5722.7	5423.5	5282.6
70°	5036.5	4985.9	5161.6	5547.8	6142.9	6733.8	6222.5	5536.2	5169.9	4941.2
72.5°	3891.9	3804.9	4109.9	4770.4	5745.1	6599.6	5784.9	4807.7	4299.7	3835.6
75°	2117.5	2018.9	2439.9	3275.3	4581.5	5720.2	4686.7	3369.0	2716.7	2101.8
77.5°	597.5	560.3	900.1	1584.6	2755.7	4016.3	2861.8	1619.4	1067.5	633.2
80°	183.2	177.4	240.3	477.4	1170.2	1923.6	1124.7	483.2	305.8	193.1
82.5°	108.6	99.5	119.3	174.0	298.4	604.2	290.1	181.5	145.9	97.8
85°	62.2	58.0	70.4	84.5	100.3	128.5	83.7	86.2	77.9	52.2
87.5°	25.7	23.2	27.3	26.5	23.2	29.8	22.4	26.5	31.5	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1454.5
1449.5
1431.3
1411.4
1402.3
1402.3
1408.1
1418.9
1429.6
1434.6
1439.6
1452.0
1480.2
1524.1
1594.6
1692.4
1814.2
1969.2
2152.3
2361.2
2612.3
2916.5
3280.3
3693.0
4109.1
4592.3
5062.2
5284.3
4995.9
3950.8
2238.5
703.6
203.9
106.1
54.7
19.1
0.0

OF REPORT)