

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: P941080

Luminaire Tested: **GALN-SB4B-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941080  
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-SB4B-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

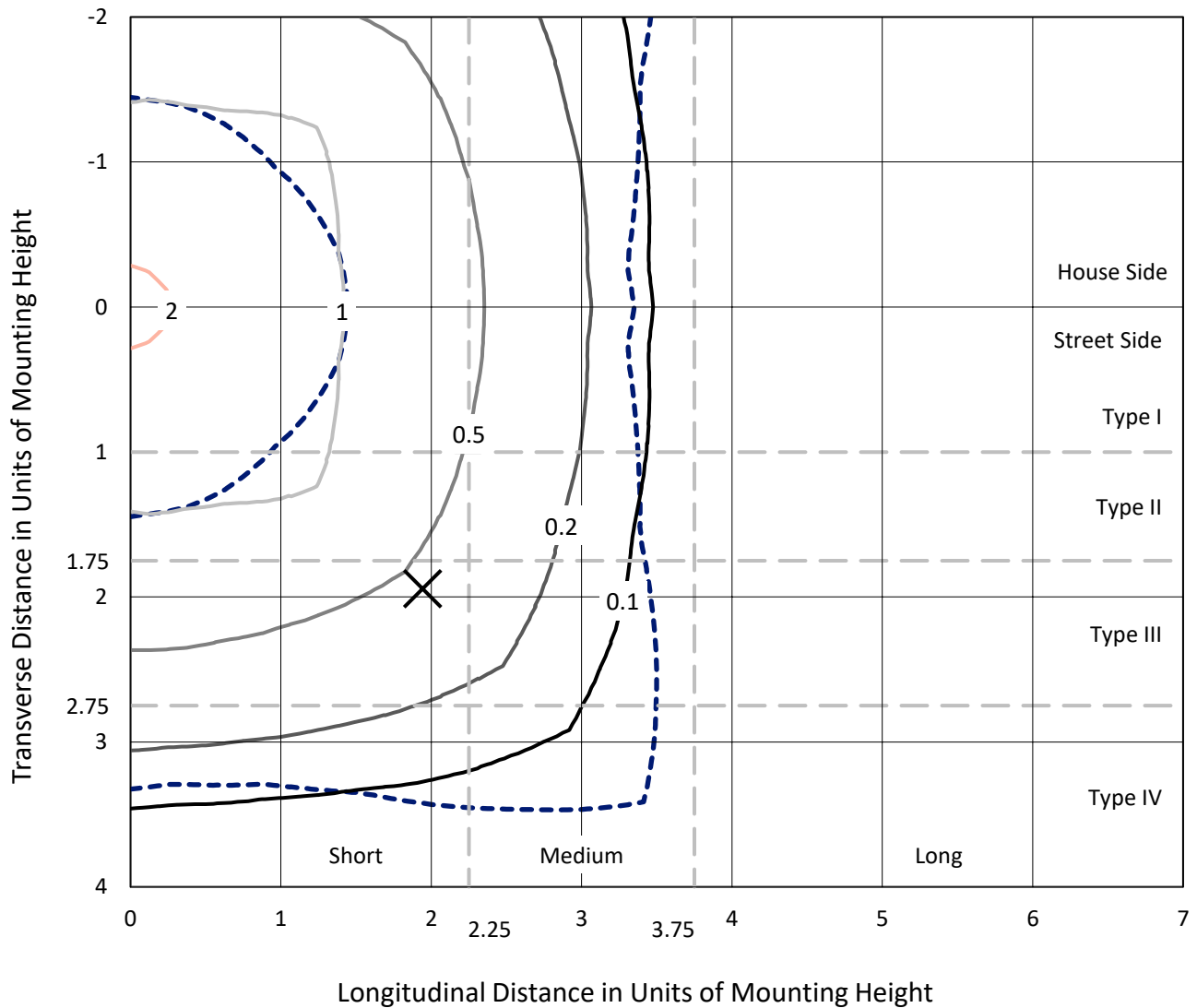
Lumens per Lamp: N/A  
Luminaire Lumens: 15880 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

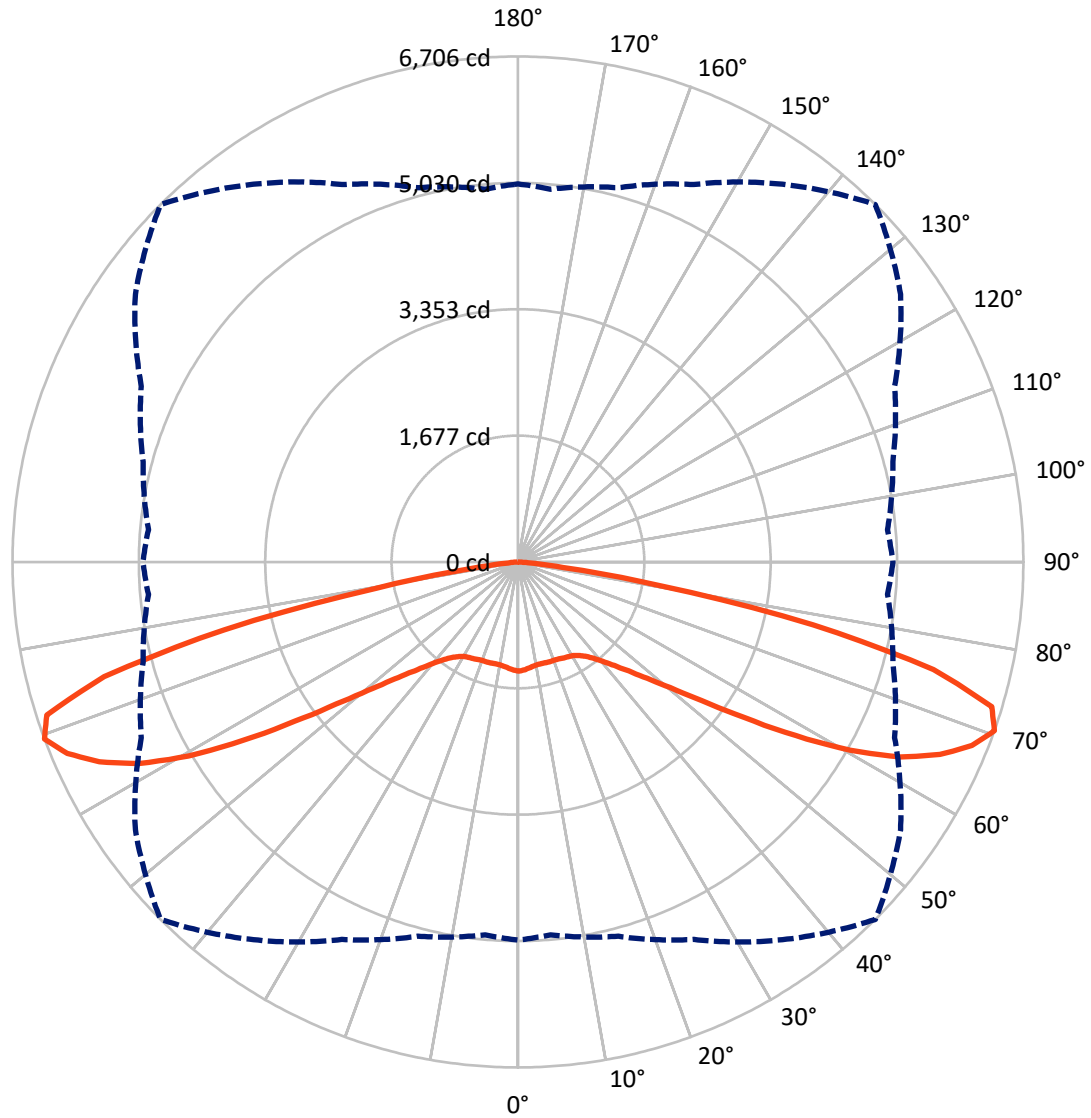
✕ Max cd  
 - - - 1/2 Max cd



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	7940.0	0.0	7940.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7940.0	0.0	7940.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15880.0	0.0	15880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.8	0.8
10°-20°	395.7	2.5
20°-30°	658.4	4.1
30°-40°	995.8	6.3
40°-50°	1654.7	10.4
50°-60°	3122.4	19.7
60°-70°	5272.3	33.2
70°-80°	3464.5	21.8
80°-90°	181.5	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°	15880.0	100.0
0°-180°	15880.0	100.0

**Coefficient of Utilization**



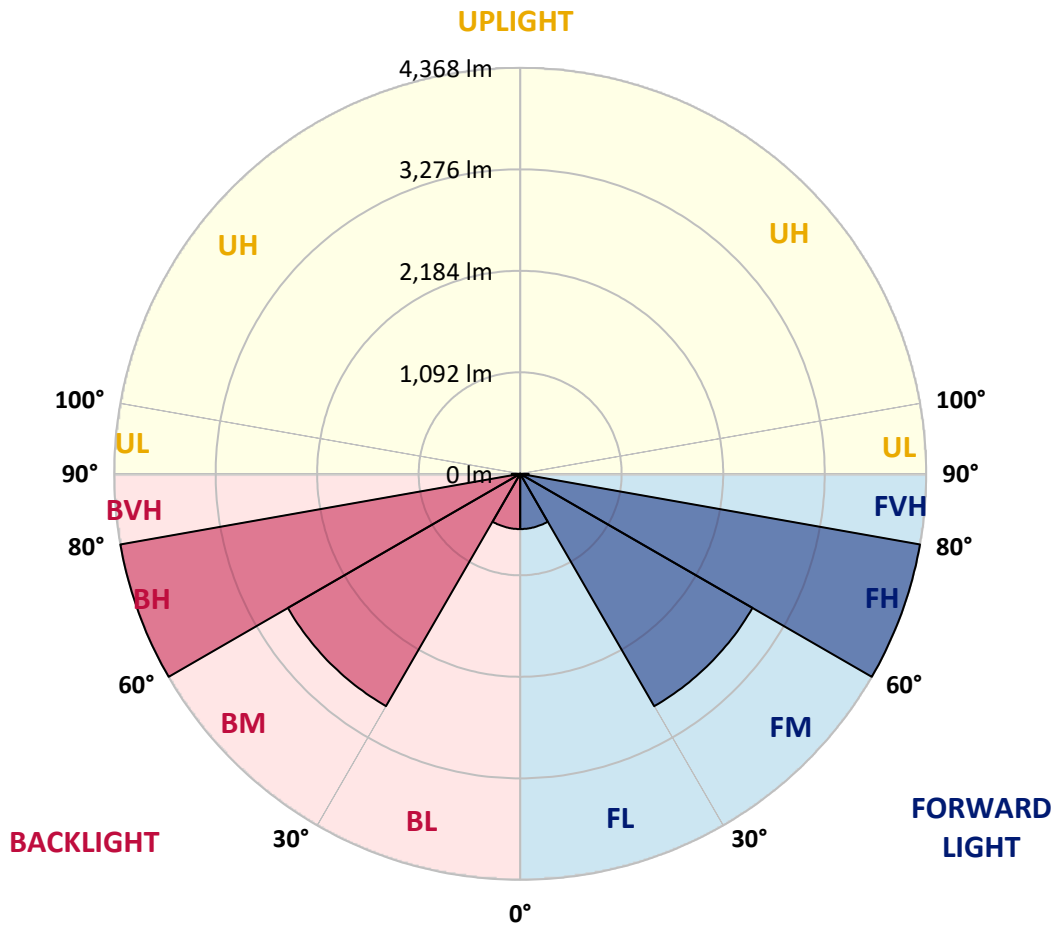
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.4	3.7			
FM (30°-60°)	2886.4	18.2			
FH (60°-80°)	4368.4	27.5			G2/5000
FVH (80°-90°)	90.8	0.6			G1/100
BL (0°-30°)	594.4	3.7	B2/1000		
BM (30°-60°)	2886.4	18.2	B3/5000		
BH (60°-80°)	4368.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	90.8	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°	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6	1448.6
2.5°	1439.5	1443.6	1442.0	1438.7	1438.7	1436.2	1438.7	1440.3	1442.8	1444.4
5°	1420.5	1423.8	1423.0	1420.5	1421.3	1418.9	1420.5	1423.0	1424.6	1425.5
7.5°	1404.0	1407.3	1405.7	1401.5	1401.5	1399.1	1399.9	1402.4	1404.8	1405.7
10°	1399.9	1403.2	1398.2	1391.6	1389.1	1385.8	1386.7	1389.1	1394.1	1396.6
12.5°	1401.5	1404.0	1399.1	1389.1	1386.7	1383.4	1383.4	1385.8	1392.4	1395.8
15°	1406.5	1409.0	1401.5	1390.8	1388.3	1385.8	1385.0	1388.3	1395.8	1401.5
17.5°	1415.6	1418.0	1406.5	1391.6	1388.3	1389.1	1388.3	1390.8	1402.4	1413.1
20°	1423.8	1425.5	1409.8	1391.6	1388.3	1389.1	1388.3	1393.3	1408.1	1423.0
22.5°	1426.3	1427.9	1413.1	1397.4	1394.9	1395.8	1394.9	1399.9	1413.9	1428.8
25°	1427.1	1429.6	1418.0	1405.7	1409.8	1411.4	1409.8	1410.6	1421.3	1434.5
27.5°	1439.5	1442.8	1432.1	1421.3	1423.8	1423.0	1425.5	1427.9	1436.2	1449.4
30°	1465.1	1467.6	1458.5	1447.8	1446.1	1440.3	1447.8	1456.0	1465.1	1476.6
32.5°	1507.2	1512.1	1500.6	1489.0	1481.6	1478.3	1484.1	1498.1	1510.5	1522.9
35°	1577.3	1580.6	1569.9	1548.4	1535.2	1535.2	1540.2	1558.4	1578.2	1593.8
37.5°	1676.4	1680.5	1661.5	1635.9	1616.1	1616.1	1622.7	1641.7	1671.4	1693.7
40°	1796.9	1802.7	1778.7	1752.3	1733.3	1730.0	1738.3	1759.8	1787.8	1815.9
42.5°	1942.2	1948.8	1917.4	1894.3	1879.4	1879.4	1883.6	1903.4	1929.0	1963.6
45°	2127.9	2139.4	2096.5	2073.4	2059.4	2062.7	2065.1	2082.5	2105.6	2145.2
47.5°	2349.1	2360.6	2315.2	2291.3	2288.8	2304.5	2294.6	2307.0	2319.4	2364.8
50°	2600.0	2619.8	2588.5	2586.8	2591.8	2620.6	2597.5	2604.1	2590.1	2619.0
52.5°	2907.1	2935.9	2930.2	2940.1	2995.4	3054.8	3002.0	2978.9	2926.0	2935.1
55°	3279.3	3323.1	3331.3	3390.7	3516.2	3637.5	3525.3	3432.0	3319.8	3299.1
57.5°	3702.7	3737.4	3777.0	3898.4	4132.8	4348.2	4132.8	3926.4	3749.8	3707.7
60°	4158.4	4201.3	4239.3	4418.4	4766.7	5069.6	4760.1	4432.4	4198.8	4141.9
62.5°	4647.8	4703.1	4729.5	4928.5	5334.6	5696.1	5340.3	4943.3	4684.1	4623.1
65°	5117.5	5162.9	5192.6	5404.7	5792.7	6155.0	5819.1	5427.8	5161.2	5081.2
67.5°	5336.2	5361.0	5433.6	5673.8	6083.2	6496.7	6152.5	5699.4	5401.4	5261.1
70°	5016.0	4965.6	5140.6	5525.2	6117.9	6706.4	6197.1	5513.7	5148.8	4921.0
72.5°	3876.1	3789.4	4093.2	4751.0	5721.7	6572.7	5761.3	4788.1	4282.2	3819.9
75°	2108.9	2010.7	2430.0	3262.0	4562.8	5696.9	4667.6	3355.2	2705.7	2093.2
77.5°	595.1	558.0	896.4	1578.2	2744.5	3999.9	2850.1	1612.8	1063.1	630.6
80°	182.4	176.6	239.4	475.4	1165.5	1915.8	1120.1	481.2	304.6	192.3
82.5°	108.1	99.0	118.9	173.3	297.1	601.7	288.9	180.8	145.3	97.4
85°	61.9	57.8	70.2	84.2	99.9	127.9	83.4	85.8	77.6	52.0
87.5°	25.6	23.1	27.2	26.4	23.1	29.7	22.3	26.4	31.4	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1448.6
1443.6
1425.5
1405.7
1396.6
1396.6
1402.4
1413.1
1423.8
1428.8
1433.7
1446.1
1474.2
1517.9
1588.1
1685.5
1806.8
1961.1
2143.6
2351.6
2601.7
2904.6
3266.9
3678.0
4092.3
4573.5
5041.5
5262.7
4975.5
3934.7
2229.4
700.8
203.0
105.7
54.5
19.0
0.0

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