

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: P942270

Luminaire Tested: **GALN-SB6A-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942270  
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-SB6A-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

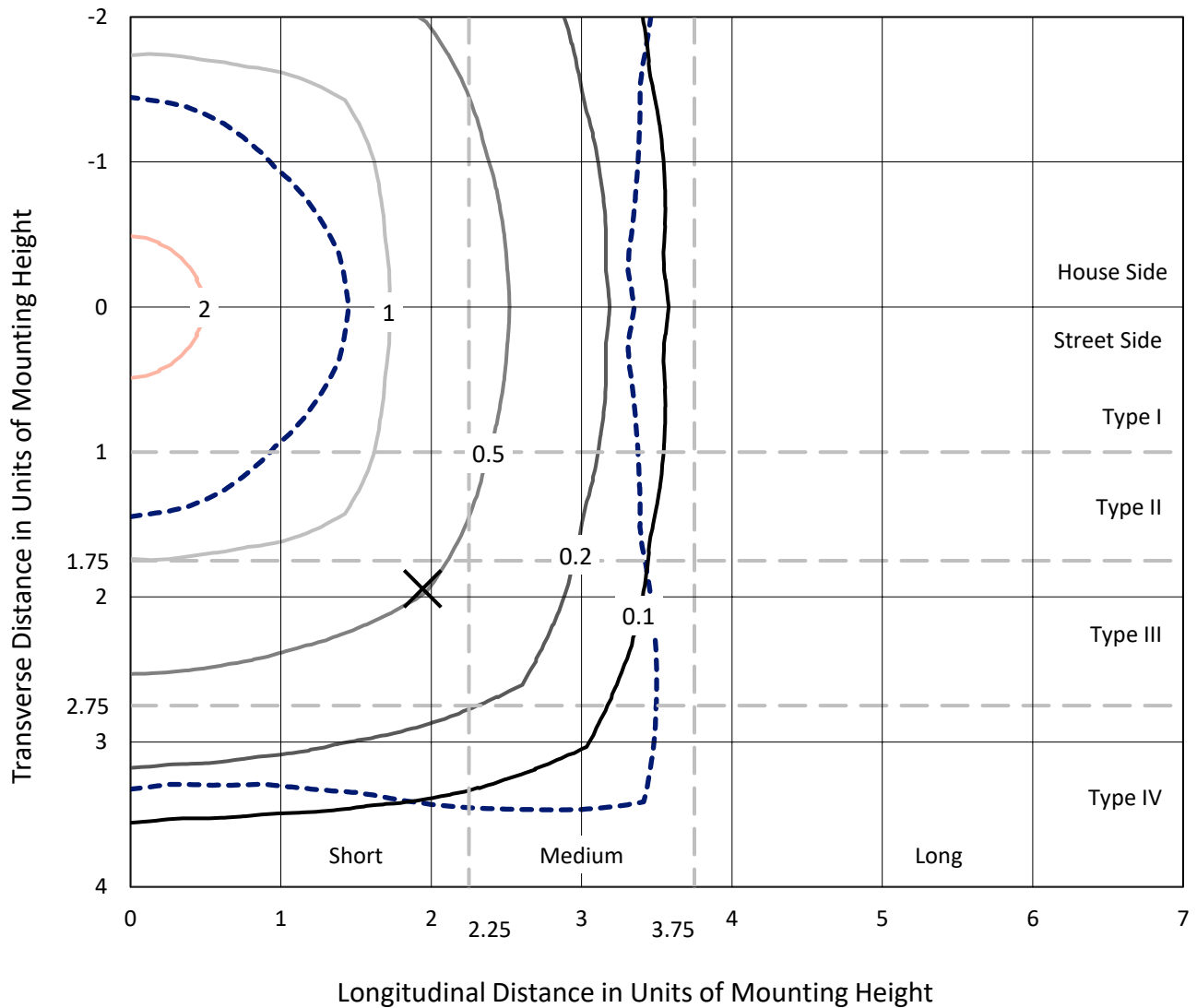
Lumens per Lamp: N/A  
Luminaire Lumens: 19141 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

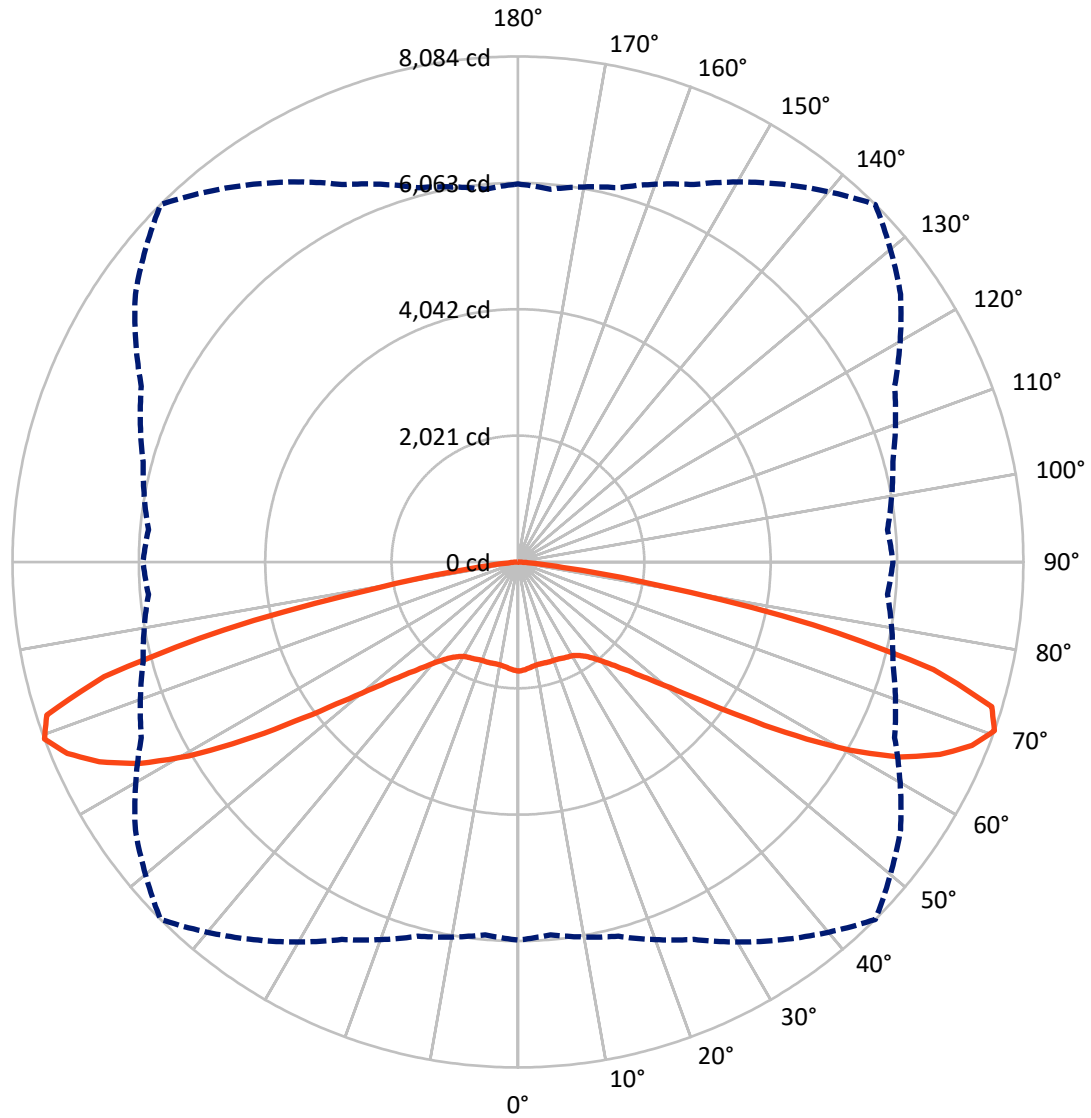
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	9570.5	0.0	9570.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9570.5	0.0	9570.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19141.0	0.0	19141.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	0.8
10°-20°	476.9	2.5
20°-30°	793.7	4.1
30°-40°	1200.2	6.3
40°-50°	1994.5	10.4
50°-60°	3763.6	19.7
60°-70°	6355.0	33.2
70°-80°	4175.9	21.8
80°-90°	218.8	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°	19141.0	100.0
0°-180°	19141.0	100.0

**Coefficient of Utilization**



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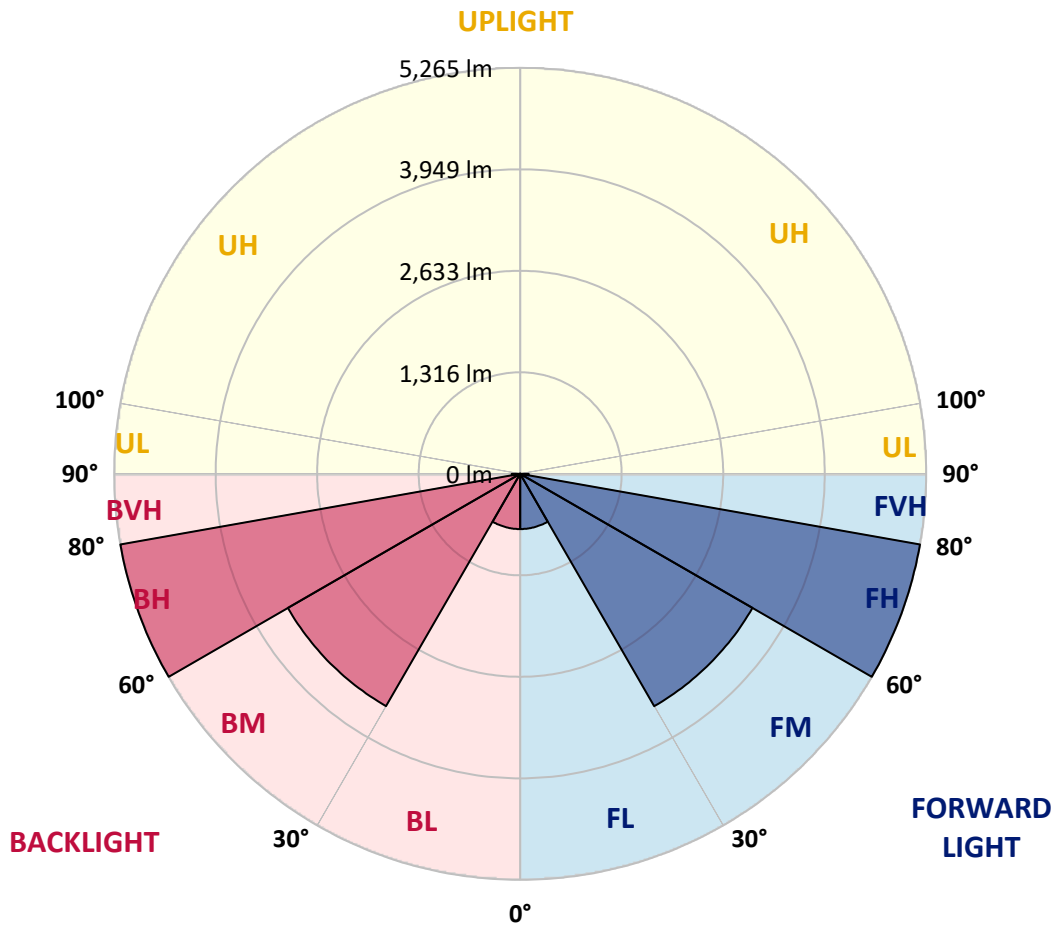
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.5	3.7			
FM (30°-60°)	3479.2	18.2			
FH (60°-80°)	5265.4	27.5			G3/7500
FVH (80°-90°)	109.4	0.6			G2/225
BL (0°-30°)	716.5	3.7	B2/1000		
BM (30°-60°)	3479.2	18.2	B3/5000		
BH (60°-80°)	5265.4	27.5	B5		G3/7500
BVH (80°-90°)	109.4	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°	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0
2.5°	1735.1	1740.1	1738.1	1734.1	1734.1	1731.1	1734.1	1736.1	1739.1	1741.1
5°	1712.2	1716.2	1715.2	1712.2	1713.2	1710.2	1712.2	1715.2	1717.2	1718.2
7.5°	1692.3	1696.3	1694.3	1689.3	1689.3	1686.4	1687.3	1690.3	1693.3	1694.3
10°	1687.3	1691.3	1685.4	1677.4	1674.4	1670.4	1671.4	1674.4	1680.4	1683.4
12.5°	1689.3	1692.3	1686.4	1674.4	1671.4	1667.4	1667.4	1670.4	1678.4	1682.4
15°	1695.3	1698.3	1689.3	1676.4	1673.4	1670.4	1669.4	1673.4	1682.4	1689.3
17.5°	1706.2	1709.2	1695.3	1677.4	1673.4	1674.4	1673.4	1676.4	1690.3	1703.3
20°	1716.2	1718.2	1699.3	1677.4	1673.4	1674.4	1673.4	1679.4	1697.3	1715.2
22.5°	1719.2	1721.2	1703.3	1684.4	1681.4	1682.4	1681.4	1687.3	1704.3	1722.2
25°	1720.2	1723.2	1709.2	1694.3	1699.3	1701.3	1699.3	1700.3	1713.2	1729.1
27.5°	1735.1	1739.1	1726.1	1713.2	1716.2	1715.2	1718.2	1721.2	1731.1	1747.0
30°	1765.9	1768.9	1758.0	1745.0	1743.1	1736.1	1745.0	1755.0	1765.9	1779.9
32.5°	1816.7	1822.7	1808.7	1794.8	1785.8	1781.9	1788.8	1805.7	1820.7	1835.6
35°	1901.2	1905.2	1892.3	1866.4	1850.5	1850.5	1856.5	1878.4	1902.2	1921.1
37.5°	2020.6	2025.6	2002.7	1971.9	1948.0	1948.0	1956.0	1978.9	2014.7	2041.5
40°	2165.9	2172.9	2144.0	2112.2	2089.3	2085.3	2095.3	2121.1	2154.9	2188.8
42.5°	2341.0	2349.0	2311.1	2283.3	2265.4	2265.4	2270.4	2294.2	2325.1	2366.9
45°	2564.8	2578.8	2527.0	2499.2	2482.3	2486.2	2489.2	2510.1	2538.0	2585.7
47.5°	2831.5	2845.4	2790.7	2761.8	2758.8	2777.8	2765.8	2780.7	2795.7	2850.4
50°	3133.9	3157.8	3120.0	3118.0	3124.0	3158.8	3130.9	3138.9	3122.0	3156.8
52.5°	3504.0	3538.8	3531.9	3543.8	3610.5	3682.1	3618.4	3590.6	3526.9	3537.9
55°	3952.7	4005.5	4015.4	4087.0	4238.3	4384.5	4249.2	4136.8	4001.5	3976.6
57.5°	4463.1	4504.9	4552.6	4698.9	4981.5	5241.1	4981.5	4732.7	4519.8	4469.1
60°	5012.3	5064.0	5109.8	5325.7	5745.5	6110.7	5737.6	5342.6	5061.0	4992.4
62.5°	5602.3	5668.9	5700.8	5940.5	6430.0	6865.8	6437.0	5958.4	5646.0	5572.4
65°	6168.4	6223.1	6258.9	6514.6	6982.2	7418.9	7014.0	6542.4	6221.1	6124.6
67.5°	6432.0	6461.9	6549.4	6838.9	7332.4	7830.8	7416.0	6869.8	6510.6	6341.5
70°	6046.0	5985.3	6196.2	6659.8	7374.2	8083.5	7469.7	6645.9	6206.2	5931.6
72.5°	4672.0	4567.6	4933.7	5726.6	6896.6	7922.4	6944.4	5771.4	5161.5	4604.4
75°	2542.0	2423.6	2929.0	3931.8	5499.8	6866.8	5626.1	4044.3	3261.3	2523.1
77.5°	717.3	672.6	1080.5	1902.2	3308.0	4821.3	3435.4	1944.0	1281.4	760.1
80°	219.9	212.9	288.5	573.1	1404.8	2309.2	1350.1	580.0	367.1	231.8
82.5°	130.3	119.4	143.3	208.9	358.2	725.3	348.2	217.9	175.1	117.4
85°	74.6	69.6	84.6	101.5	120.4	154.2	100.5	103.5	93.5	62.7
87.5°	30.8	27.9	32.8	31.8	27.9	35.8	26.9	31.8	37.8	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1746.0
1740.1
1718.2
1694.3
1683.4
1683.4
1690.3
1703.3
1716.2
1722.2
1728.1
1743.1
1776.9
1829.6
1914.2
2031.6
2177.8
2363.9
2583.7
2834.5
3135.9
3501.0
3937.8
4433.3
4932.7
5512.7
6076.8
6343.5
5997.2
4742.7
2687.2
844.7
244.7
127.3
65.7
22.9
0.0

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