

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: P950878

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
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-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

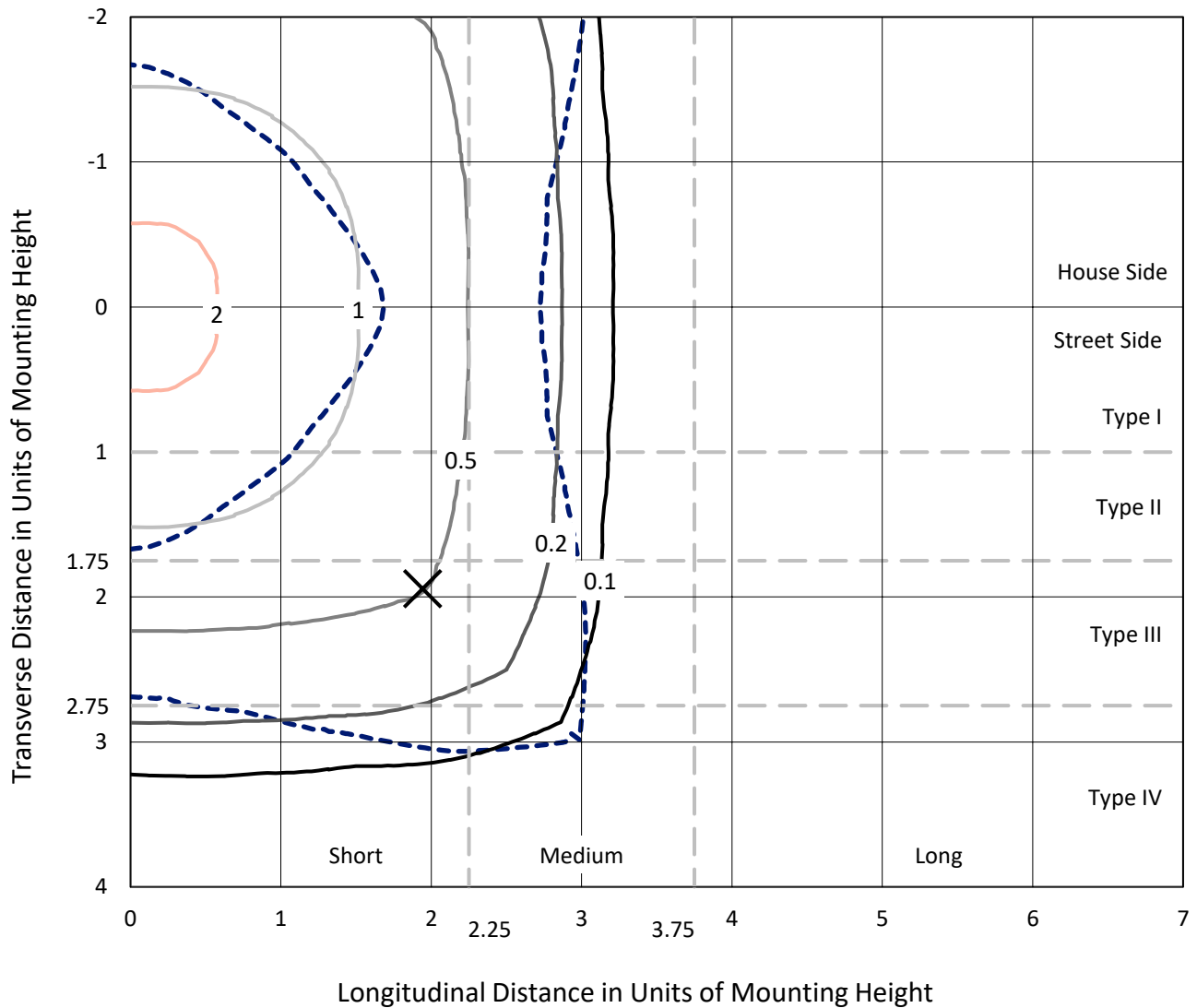
Lumens per Lamp: N/A  
Luminaire Lumens: 16508 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

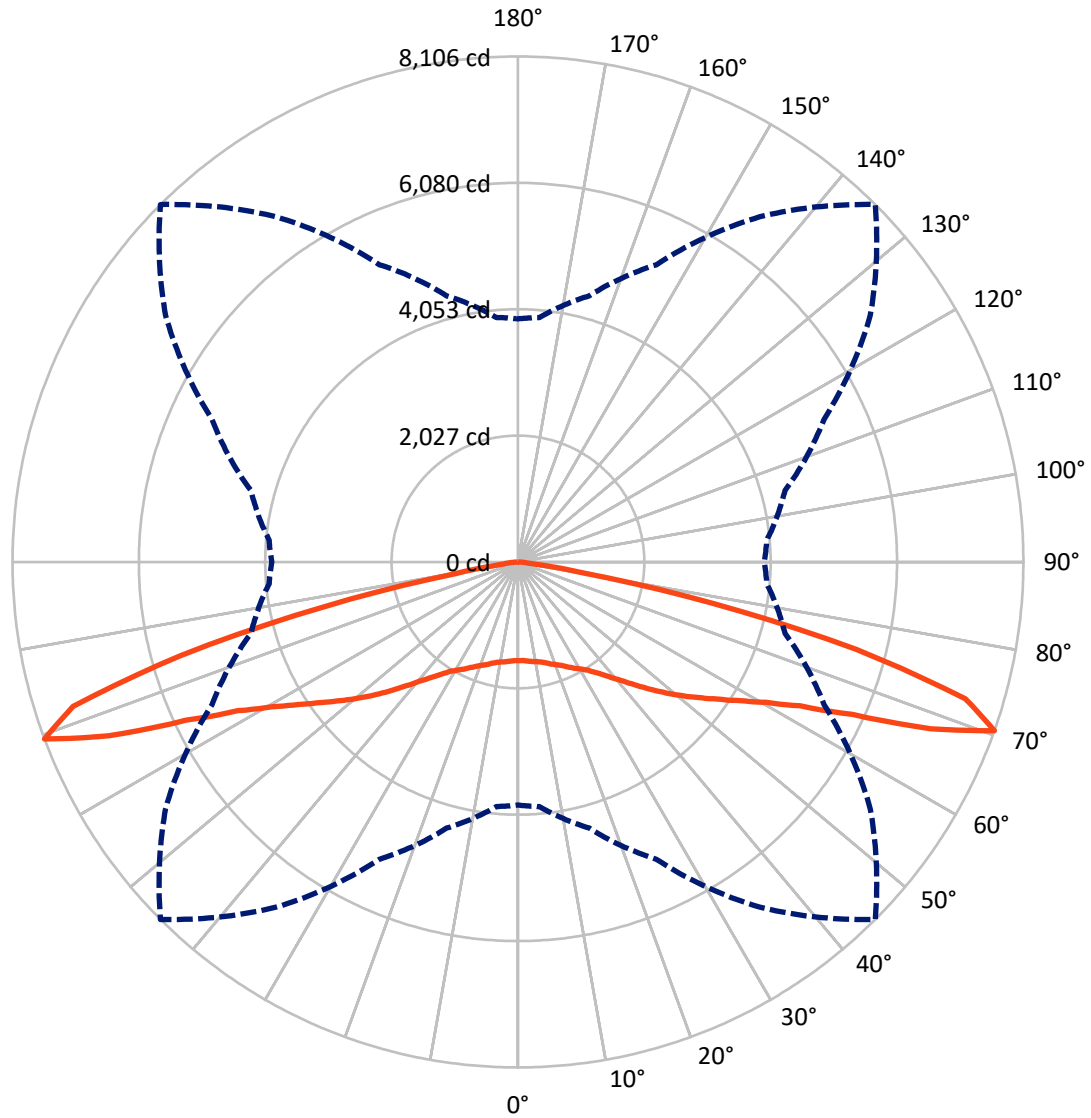
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	8254.0	0.0	8254.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8254.0	0.0	8254.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16508.0	0.0	16508.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.6	0.9
10°-20°	476.4	2.9
20°-30°	851.3	5.2
30°-40°	1380.0	8.4
40°-50°	2247.8	13.6
50°-60°	3427.1	20.8
60°-70°	5098.4	30.9
70°-80°	2778.8	16.8
80°-90°	94.6	0.6
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°	16508.0	100.0
0°-180°	16508.0	100.0

**Coefficient of Utilization**



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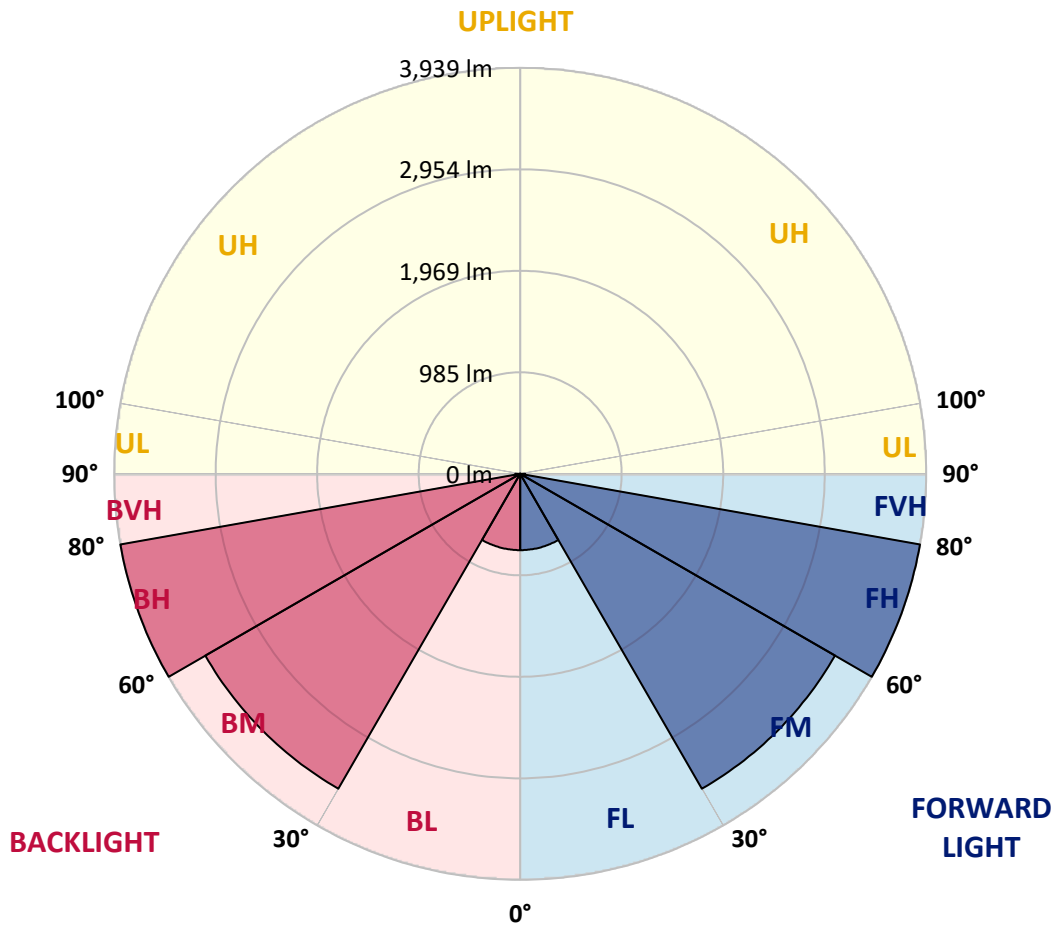
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.7	4.5			
FM (30°-60°)	3527.4	21.4			
FH (60°-80°)	3938.6	23.9			G2/5000
FVH (80°-90°)	47.3	0.3			G1/100
BL (0°-30°)	740.7	4.5	B2/1000		
BM (30°-60°)	3527.4	21.4	B3/5000		
BH (60°-80°)	3938.6	23.9	B4/5000		G2/5000
BVH (80°-90°)	47.3	0.3			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°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1588.8	1590.4	1587.1	1585.4	1583.8	1581.3	1582.1	1586.3	1589.6	1588.8
5°	1602.0	1603.7	1601.2	1600.4	1597.0	1596.2	1596.2	1600.4	1602.8	1601.2
7.5°	1616.9	1619.4	1615.3	1614.4	1612.8	1611.1	1610.3	1614.4	1616.9	1616.9
10°	1631.0	1633.5	1630.2	1627.7	1626.0	1626.0	1624.4	1627.7	1631.9	1631.0
12.5°	1645.9	1647.6	1644.3	1642.6	1642.6	1645.1	1642.6	1644.3	1647.6	1645.9
15°	1664.2	1665.0	1664.2	1666.7	1670.8	1679.1	1671.6	1670.0	1671.6	1667.5
17.5°	1689.0	1690.7	1694.0	1699.8	1705.6	1720.5	1707.3	1703.1	1703.1	1694.8
20°	1719.7	1722.2	1727.2	1737.1	1744.6	1758.7	1745.4	1739.6	1737.1	1726.3
22.5°	1752.0	1756.2	1763.6	1776.9	1790.1	1803.4	1790.1	1780.2	1772.7	1758.7
25°	1789.3	1794.3	1805.9	1827.4	1845.7	1864.7	1849.0	1829.1	1814.2	1794.3
27.5°	1842.4	1848.2	1862.2	1888.8	1912.0	1928.6	1913.6	1887.9	1867.2	1843.2
30°	1916.9	1922.7	1939.3	1967.5	1983.2	1994.0	1984.1	1964.2	1939.3	1912.0
32.5°	2013.1	2020.5	2038.8	2065.3	2068.6	2070.3	2067.0	2057.0	2038.8	2005.6
35°	2134.9	2143.2	2163.9	2185.5	2182.2	2185.5	2180.5	2177.2	2163.9	2125.8
37.5°	2284.1	2294.0	2315.6	2332.2	2323.9	2319.7	2320.6	2321.4	2313.9	2271.7
40°	2457.3	2470.6	2486.3	2503.7	2489.6	2477.2	2485.5	2492.1	2485.5	2442.4
42.5°	2635.5	2654.6	2671.1	2696.0	2684.4	2668.6	2680.2	2687.7	2673.6	2627.2
45°	2833.6	2851.8	2873.3	2910.6	2902.4	2885.8	2902.4	2904.0	2880.0	2825.3
47.5°	3038.3	3057.3	3089.7	3139.4	3136.1	3117.8	3139.4	3127.8	3097.1	3031.6
50°	3232.2	3258.7	3308.5	3378.1	3384.7	3362.3	3391.3	3369.0	3317.6	3235.5
52.5°	3414.5	3442.7	3521.4	3615.9	3640.0	3611.0	3649.9	3611.0	3533.9	3428.6
55°	3606.0	3637.5	3731.1	3854.6	3902.7	3881.1	3917.6	3858.8	3749.4	3621.7
57.5°	3831.4	3850.5	3962.4	4109.0	4190.3	4195.2	4211.8	4112.4	3979.8	3834.7
60°	4075.9	4102.4	4224.2	4399.9	4528.4	4569.8	4552.4	4404.9	4250.8	4084.2
62.5°	4389.2	4418.2	4564.0	4774.6	4977.6	5080.4	5012.4	4798.6	4608.0	4408.2
65°	4648.6	4680.9	4944.4	5319.9	5689.5	5895.9	5725.2	5331.5	4988.4	4706.6
67.5°	4460.4	4500.2	4913.8	5603.3	6522.4	7138.2	6553.9	5687.9	5015.7	4633.7
70°	3898.5	3935.8	4418.2	5261.0	6757.0	8106.2	6897.9	5416.0	4433.9	4006.3
72.5°	2588.3	2708.4	3196.6	4207.7	6033.5	7501.2	6093.1	4122.3	2965.3	2582.5
75°	858.6	954.7	1287.9	2181.3	4041.1	5610.0	3847.2	1930.2	1020.2	734.3
77.5°	216.3	249.5	343.9	624.1	1612.0	3194.1	1451.2	509.7	277.6	193.9
80°	105.3	116.0	165.8	208.0	403.6	1015.2	378.7	195.6	130.9	101.1
82.5°	58.0	58.8	93.7	117.7	150.0	262.7	155.8	114.4	75.4	61.3
85°	35.6	34.8	49.7	63.0	63.0	93.7	74.6	63.0	43.1	38.1
87.5°	14.1	14.1	18.2	19.9	17.4	24.0	19.1	20.7	16.6	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1581.3
1589.6
1602.0
1616.9
1631.0
1645.1
1667.5
1694.8
1726.3
1757.8
1793.5
1842.4
1912.0
2006.5
2125.8
2271.7
2442.4
2630.5
2831.1
3027.5
3233.9
3418.7
3604.3
3814.8
4057.7
4373.4
4660.2
4576.5
3949.1
2498.7
694.5
173.2
92.8
61.3
39.8
16.6
0.0

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