

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: P942260

Luminaire Tested: **GALN-SB6A-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942260
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19938 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

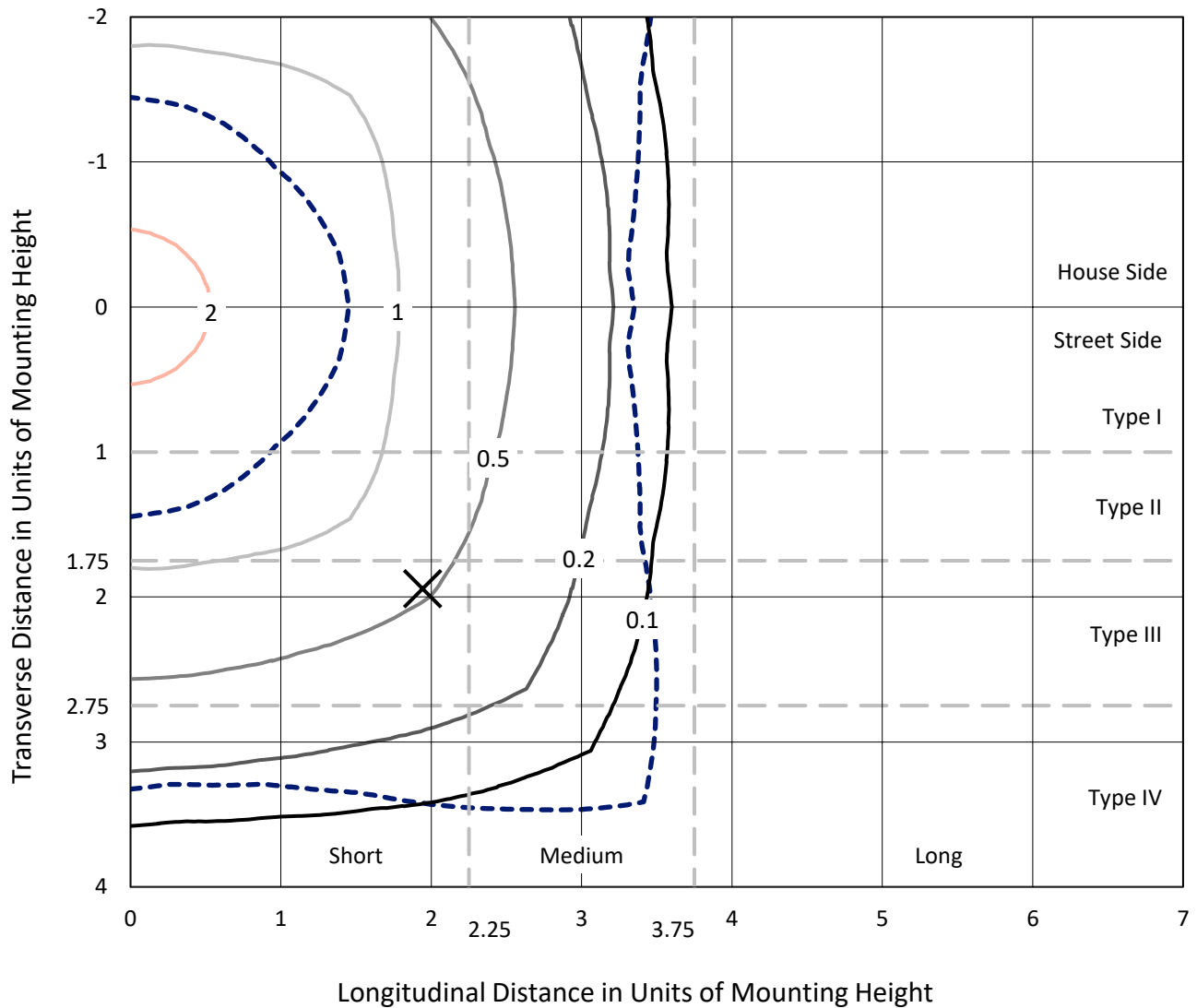
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

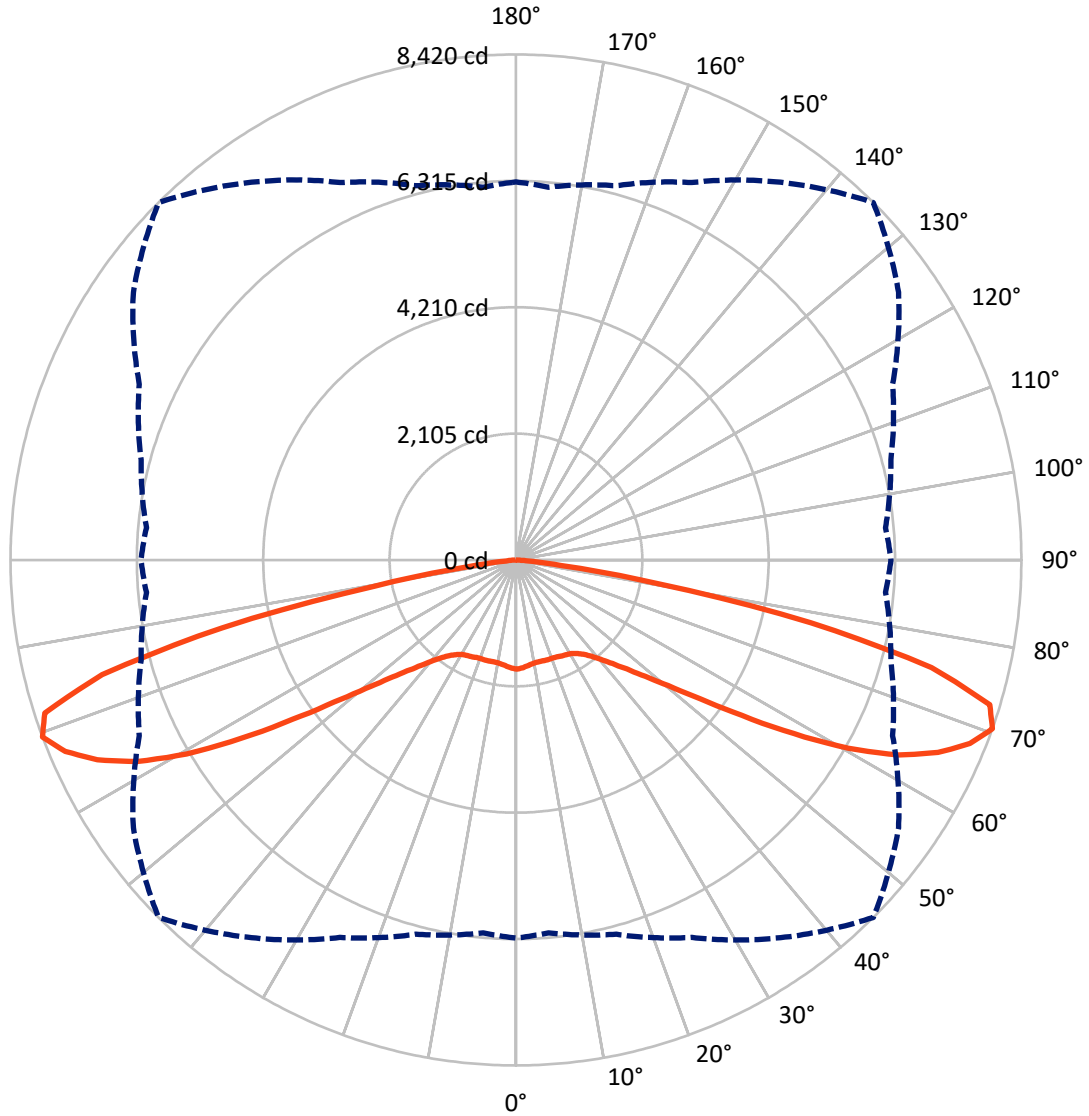
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	9969.0	0.0	9969.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9969.0	0.0	9969.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19938.0	0.0	19938.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	0.8
10°-20°	496.8	2.5
20°-30°	826.7	4.1
30°-40°	1250.2	6.3
40°-50°	2077.6	10.4
50°-60°	3920.3	19.7
60°-70°	6619.6	33.2
70°-80°	4349.8	21.8
80°-90°	227.9	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°	19938.0	100.0
0°-180°	19938.0	100.0

Coefficient of Utilization



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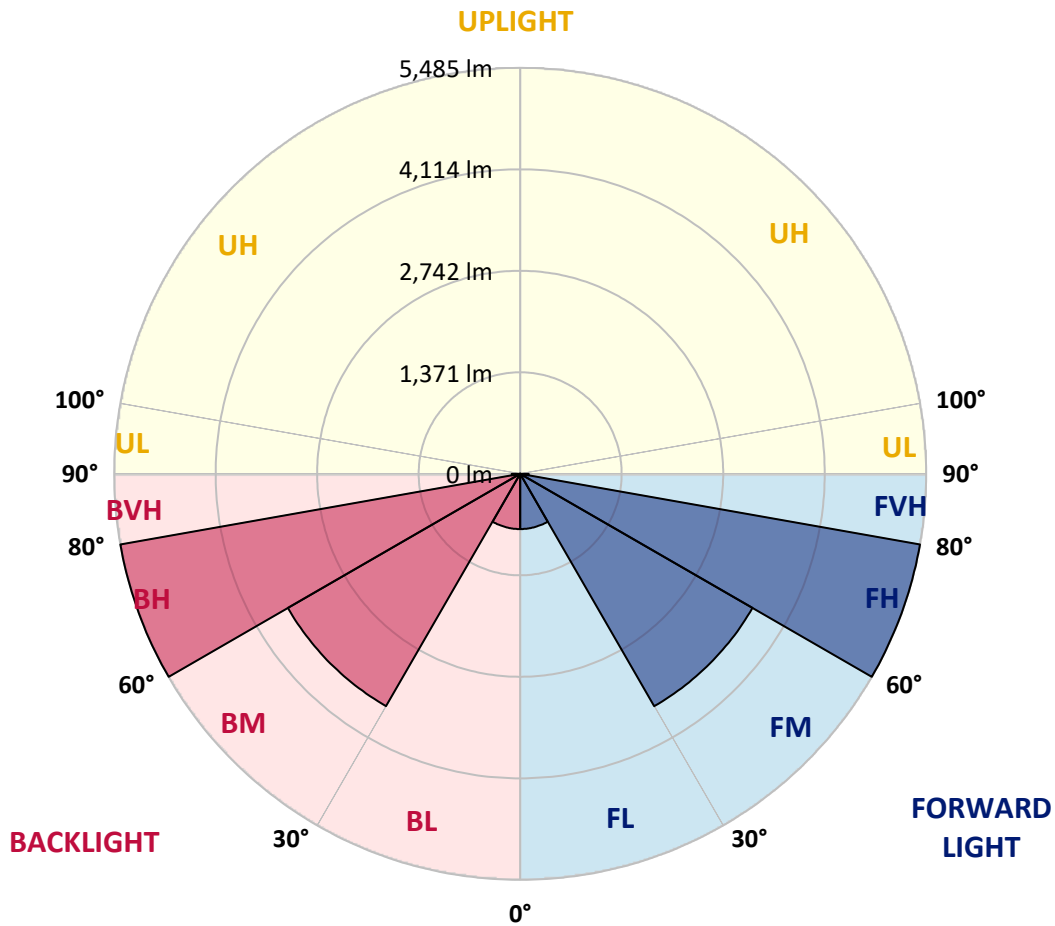
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.3	3.7			
FM (30°-60°)	3624.1	18.2			
FH (60°-80°)	5484.7	27.5			G3/7500
FVH (80°-90°)	113.9	0.6			G2/225
BL (0°-30°)	746.3	3.7	B2/1000		
BM (30°-60°)	3624.1	18.2	B3/5000		
BH (60°-80°)	5484.7	27.5	B5		G3/7500
BVH (80°-90°)	113.9	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°	1818.7	1818.7	1818.7	1818.7	1818.7	1818.7	1818.7	1818.7	1818.7	1818.7
2.5°	1807.3	1812.5	1810.5	1806.3	1806.3	1803.2	1806.3	1808.4	1811.5	1813.6
5°	1783.5	1787.7	1786.6	1783.5	1784.5	1781.4	1783.5	1786.6	1788.7	1789.7
7.5°	1762.8	1766.9	1764.9	1759.7	1759.7	1756.6	1757.6	1760.7	1763.8	1764.9
10°	1757.6	1761.7	1755.5	1747.2	1744.1	1740.0	1741.0	1744.1	1750.3	1753.5
12.5°	1759.7	1762.8	1756.6	1744.1	1741.0	1736.9	1736.9	1740.0	1748.3	1752.4
15°	1765.9	1769.0	1759.7	1746.2	1743.1	1740.0	1739.0	1743.1	1752.4	1759.7
17.5°	1777.3	1780.4	1765.9	1747.2	1743.1	1744.1	1743.1	1746.2	1760.7	1774.2
20°	1787.7	1789.7	1770.0	1747.2	1743.1	1744.1	1743.1	1749.3	1768.0	1786.6
22.5°	1790.8	1792.8	1774.2	1754.5	1751.4	1752.4	1751.4	1757.6	1775.2	1793.9
25°	1791.8	1794.9	1780.4	1764.9	1770.0	1772.1	1770.0	1771.1	1784.5	1801.1
27.5°	1807.3	1811.5	1798.0	1784.5	1787.7	1786.6	1789.7	1792.8	1803.2	1819.8
30°	1839.5	1842.6	1831.2	1817.7	1815.6	1808.4	1817.7	1828.1	1839.5	1854.0
32.5°	1892.3	1898.5	1884.0	1869.5	1860.2	1856.1	1863.3	1880.9	1896.5	1912.0
35°	1980.4	1984.6	1971.1	1944.1	1927.6	1927.6	1933.8	1956.6	1981.4	2001.1
37.5°	2104.8	2110.0	2086.1	2054.0	2029.1	2029.1	2037.4	2061.2	2098.6	2126.5
40°	2256.1	2263.3	2233.3	2200.1	2176.3	2172.1	2182.5	2209.4	2244.7	2279.9
42.5°	2438.5	2446.8	2407.4	2378.4	2359.7	2359.7	2364.9	2389.8	2421.9	2465.4
45°	2671.6	2686.1	2632.3	2603.2	2585.6	2589.8	2592.9	2614.6	2643.7	2693.4
47.5°	2949.4	2963.9	2906.9	2876.8	2873.7	2893.4	2881.0	2896.5	2912.1	2969.1
50°	3264.4	3289.3	3249.9	3247.8	3254.1	3290.3	3261.3	3269.6	3252.0	3288.3
52.5°	3649.9	3686.2	3678.9	3691.4	3760.8	3835.4	3769.1	3740.1	3673.8	3685.2
55°	4117.3	4172.2	4182.6	4257.2	4414.7	4567.1	4426.1	4309.0	4168.1	4142.2
57.5°	4648.9	4692.5	4742.2	4894.6	5188.9	5459.4	5188.9	4929.8	4708.0	4655.2
60°	5221.0	5274.9	5322.6	5547.4	5984.8	6365.1	5976.5	5565.1	5271.8	5200.3
62.5°	5835.5	5905.0	5938.1	6187.9	6697.8	7151.7	6705.0	6206.5	5881.1	5804.4
65°	6425.2	6482.2	6519.5	6785.8	7272.9	7727.9	7306.1	6814.9	6480.1	6379.6
67.5°	6699.8	6730.9	6822.1	7123.7	7637.7	8156.9	7724.8	7155.8	6781.7	6605.5
70°	6297.7	6234.5	6454.2	6937.1	7681.2	8420.1	7780.7	6922.6	6464.6	6178.6
72.5°	4866.6	4757.8	5139.1	5965.1	7183.8	8252.2	7233.5	6011.7	5376.4	4796.1
75°	2647.8	2524.5	3050.9	4095.5	5728.8	7152.7	5860.4	4212.7	3397.1	2628.1
77.5°	747.2	700.6	1125.4	1981.4	3445.8	5022.0	3578.4	2025.0	1334.8	791.8
80°	229.0	221.8	300.5	596.9	1463.3	2405.3	1406.3	604.2	382.4	241.5
82.5°	135.8	124.4	149.2	217.6	373.1	755.5	362.7	227.0	182.4	122.3
85°	77.7	72.5	88.1	105.7	125.4	160.6	104.7	107.8	97.4	65.3
87.5°	32.1	29.0	34.2	33.2	29.0	37.3	28.0	33.2	39.4	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1818.7
1812.5
1789.7
1764.9
1753.5
1753.5
1760.7
1774.2
1787.7
1793.9
1800.1
1815.6
1850.9
1905.8
1993.9
2116.2
2268.5
2462.3
2691.3
2952.5
3266.5
3646.8
4101.8
4617.9
5138.1
5742.3
6329.9
6607.6
6247.0
4940.2
2799.1
879.8
254.9
132.6
68.4
23.8
0.0

OF REPORT)