

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: P940223

Luminaire Tested: **GALN-SB3A-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3A-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9648 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

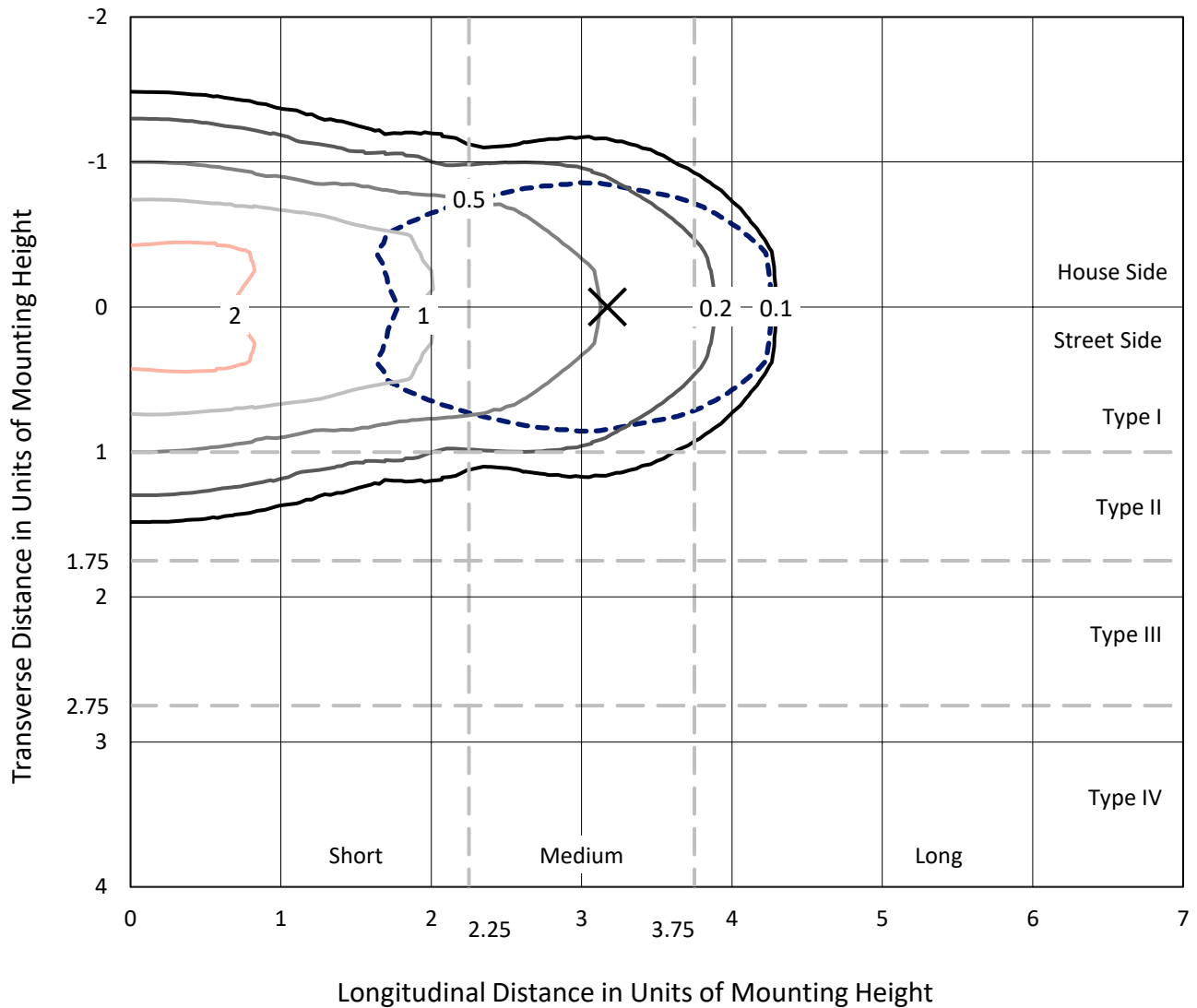
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

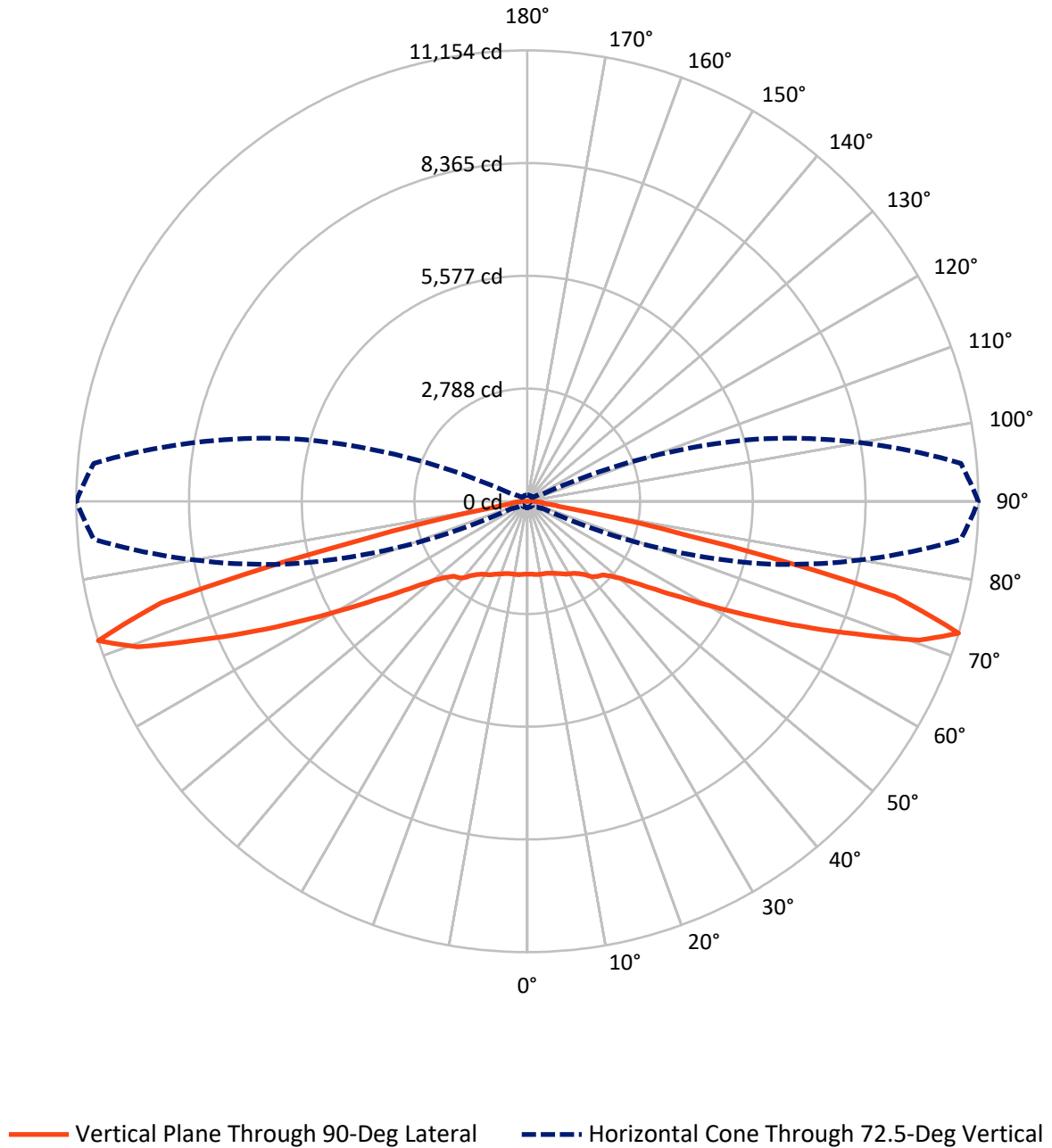
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4824.0	0.0	4824.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4824.0	0.0	4824.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9648.0	0.0	9648.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	1.8
10°-20°	534.5	5.5
20°-30°	891.2	9.2
30°-40°	1225.7	12.7
40°-50°	1496.9	15.5
50°-60°	1731.3	17.9
60°-70°	2064.3	21.4
70°-80°	1440.8	14.9
80°-90°	88.5	0.9
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°	9648.0	100.0
0°-180°	9648.0	100.0

**Coefficient of Utilization**



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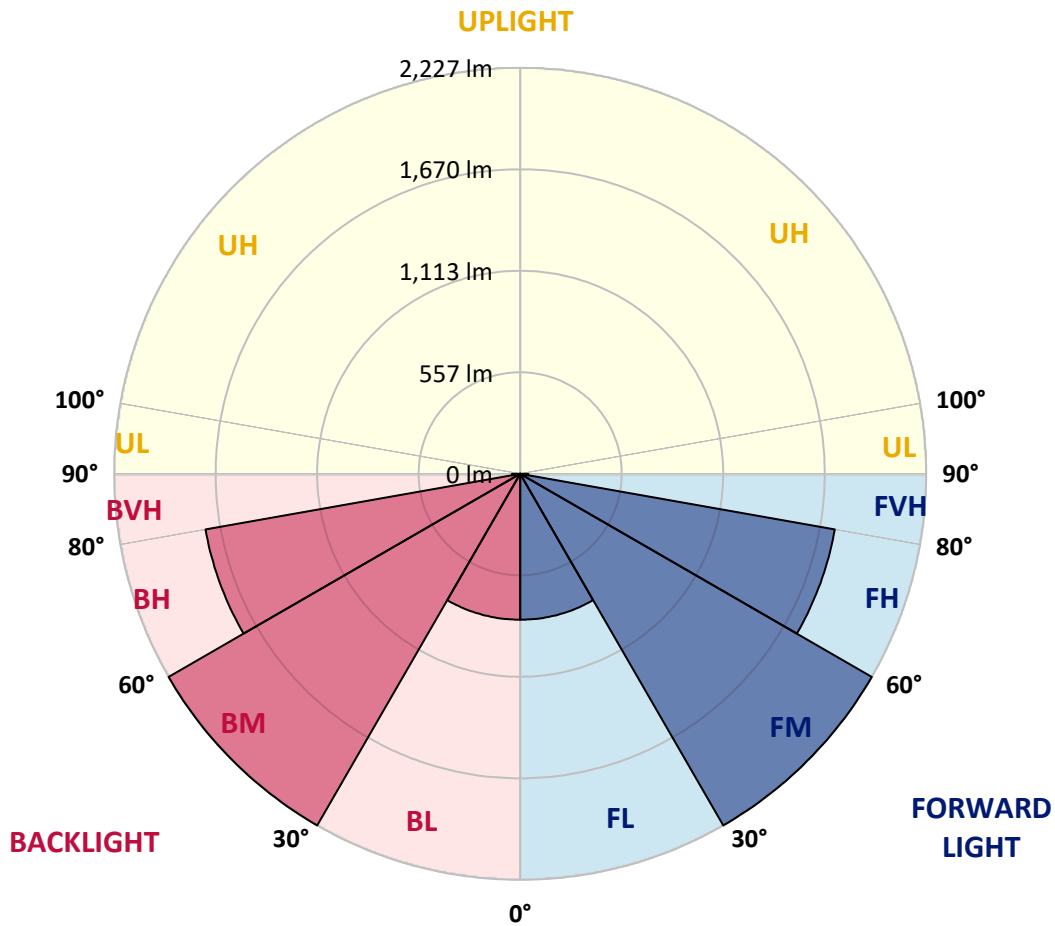
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.3	8.3			
FM (30°-60°)	2227.0	23.1			
FH (60°-80°)	1752.5	18.2			G1/1800
FVH (80°-90°)	44.2	0.5			G1/100
BL (0°-30°)	800.3	8.3	B2/1000		
BM (30°-60°)	2227.0	23.1	B2/2500		
BH (60°-80°)	1752.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	44.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1802.8	1802.8	1802.8	1802.8	1802.8	1802.8	1802.8	1802.8	1802.8	1802.8
2.5°	1804.4	1806.4	1806.4	1804.9	1808.5	1805.4	1805.4	1803.9	1805.4	1803.9
5°	1813.6	1816.2	1817.2	1816.7	1821.3	1818.7	1818.7	1816.7	1817.2	1815.6
7.5°	1831.0	1834.6	1836.7	1839.2	1845.9	1842.8	1840.8	1834.6	1832.1	1828.0
10°	1836.7	1840.8	1847.4	1860.8	1876.2	1876.7	1870.5	1855.1	1843.3	1834.1
12.5°	1819.2	1824.9	1838.7	1865.9	1900.3	1914.1	1904.4	1878.7	1855.6	1839.2
15°	1797.2	1803.3	1824.4	1865.4	1916.1	1948.5	1947.4	1913.6	1876.7	1851.0
17.5°	1762.8	1769.0	1799.2	1856.7	1928.5	1981.8	1996.1	1961.3	1909.5	1875.1
20°	1700.8	1706.4	1748.5	1829.0	1932.6	2017.2	2054.6	2023.8	1959.2	1912.6
22.5°	1620.3	1629.0	1678.2	1781.3	1922.8	2054.1	2121.2	2100.2	2017.2	1952.6
25°	1534.1	1543.4	1600.8	1722.8	1897.7	2080.7	2200.2	2186.9	2082.8	2002.3
27.5°	1459.8	1469.5	1532.1	1664.9	1858.7	2091.0	2278.2	2284.8	2162.3	2057.2
30°	1401.3	1410.6	1477.2	1618.2	1808.5	2080.7	2346.3	2392.5	2243.3	2104.8
32.5°	1337.3	1349.0	1419.3	1561.3	1749.0	2056.1	2405.8	2508.9	2337.1	2156.1
35°	1256.2	1267.0	1340.8	1483.4	1671.1	2016.6	2455.6	2638.1	2471.5	2234.1
37.5°	1157.8	1168.0	1241.4	1386.0	1593.6	1961.3	2493.5	2783.7	2631.4	2346.3
40°	1058.8	1068.6	1137.3	1277.3	1500.8	1890.5	2506.8	2926.3	2815.0	2500.7
42.5°	968.1	976.8	1039.9	1170.1	1396.7	1800.3	2489.4	3050.4	2979.6	2608.4
45°	884.5	892.2	948.1	1069.6	1288.5	1690.5	2437.1	3183.7	3175.5	2685.3
47.5°	789.1	796.8	854.8	972.2	1180.4	1561.8	2348.4	3314.9	3447.7	2859.6
50°	672.7	679.4	738.9	859.9	1068.1	1424.9	2225.3	3418.0	3791.3	3123.7
52.5°	534.8	542.0	599.9	720.9	934.7	1277.8	2063.3	3485.2	4188.1	3509.3
55°	397.9	403.0	453.3	562.0	769.6	1110.1	1860.3	3504.1	4638.3	4036.4
57.5°	288.7	291.8	324.1	405.1	583.5	900.4	1613.6	3454.9	5174.2	4712.2
60°	233.8	234.8	244.6	280.5	405.6	663.5	1315.7	3285.7	5755.6	5583.3
62.5°	212.3	212.3	214.8	224.6	274.3	437.9	955.3	2935.0	6379.1	6684.2
65°	197.4	197.4	198.4	203.0	216.4	278.9	603.0	2363.8	6904.7	7973.8
67.5°	184.1	184.6	184.1	185.6	193.3	206.1	349.7	1632.6	7187.7	9310.0
70°	170.2	171.3	168.7	168.7	174.8	175.4	218.9	895.3	6952.9	10429.9
72.5°	153.8	155.4	151.3	150.2	154.9	152.8	164.6	429.7	5969.4	10764.2
75°	139.5	141.5	132.3	129.7	129.7	128.2	133.8	220.5	3874.3	8780.9
77.5°	126.6	130.8	115.9	107.7	105.6	101.0	109.2	134.9	1694.6	4122.5
80°	104.6	110.2	95.4	85.6	82.0	76.9	86.1	94.3	504.0	957.3
82.5°	77.9	80.5	67.7	61.0	57.9	54.4	64.6	65.6	164.1	338.9
85°	49.7	50.8	41.5	35.9	34.4	32.8	41.0	35.9	62.6	249.2
87.5°	17.4	20.0	15.9	14.4	15.4	12.8	19.0	10.8	17.4	175.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1802.8  
1803.9  
1815.6  
1828.0  
1832.6  
1836.7  
1846.9  
1869.5  
1903.8  
1940.8  
1985.9  
2039.7  
2079.7  
2124.3  
2198.7  
2299.2  
2450.4  
2543.8  
2598.1  
2759.1  
2997.5  
3353.9  
3842.0  
4467.6  
5275.2  
6271.5  
7451.8  
8746.5  
10281.7  
11153.9  
9392.1  
4036.9  
916.8  
383.0  
362.0  
217.9  
0.0

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