

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: P950798

Luminaire Tested: **GALN-SB5A-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5A-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

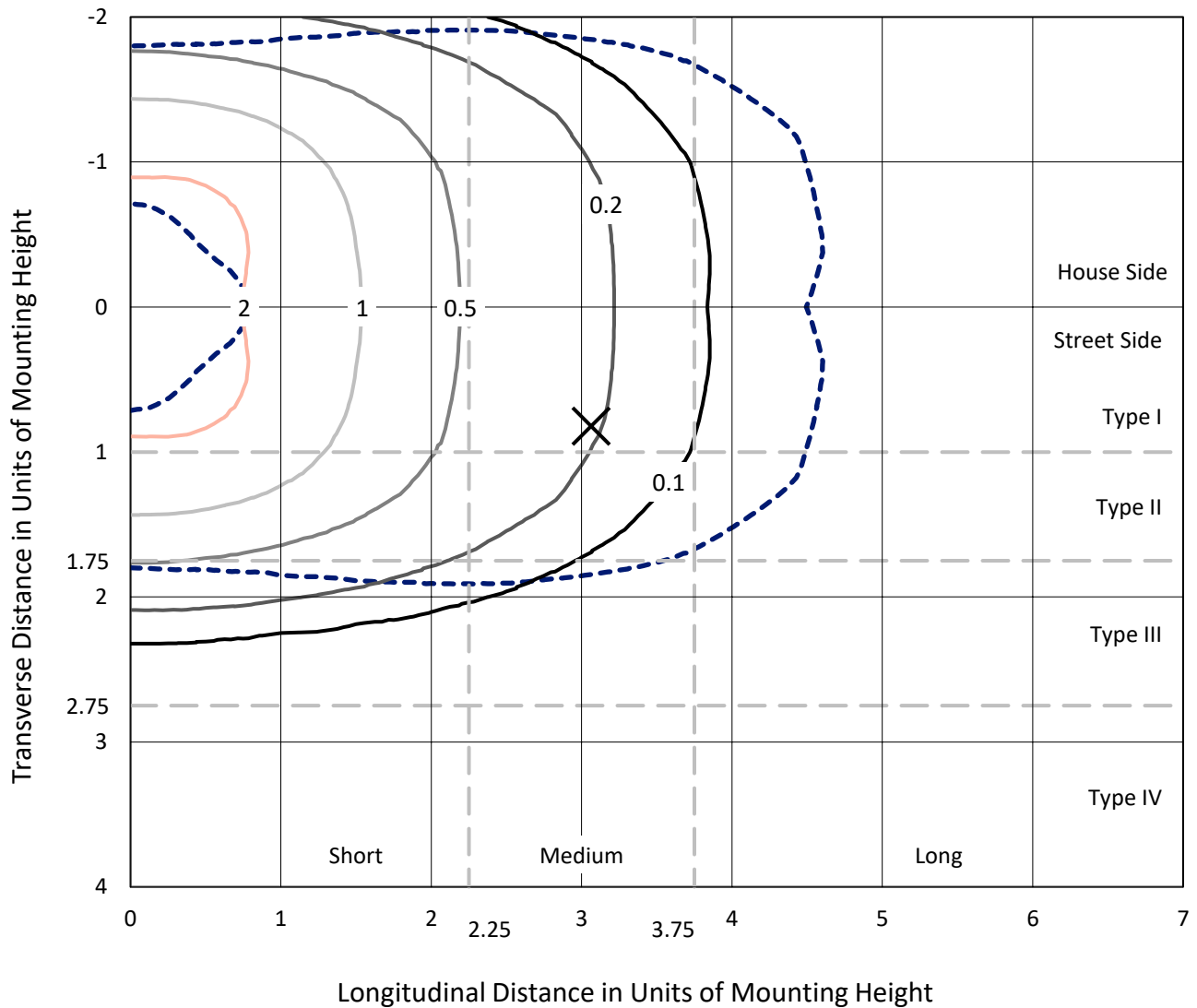
Lumens per Lamp: N/A  
Luminaire Lumens: 14203 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): 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

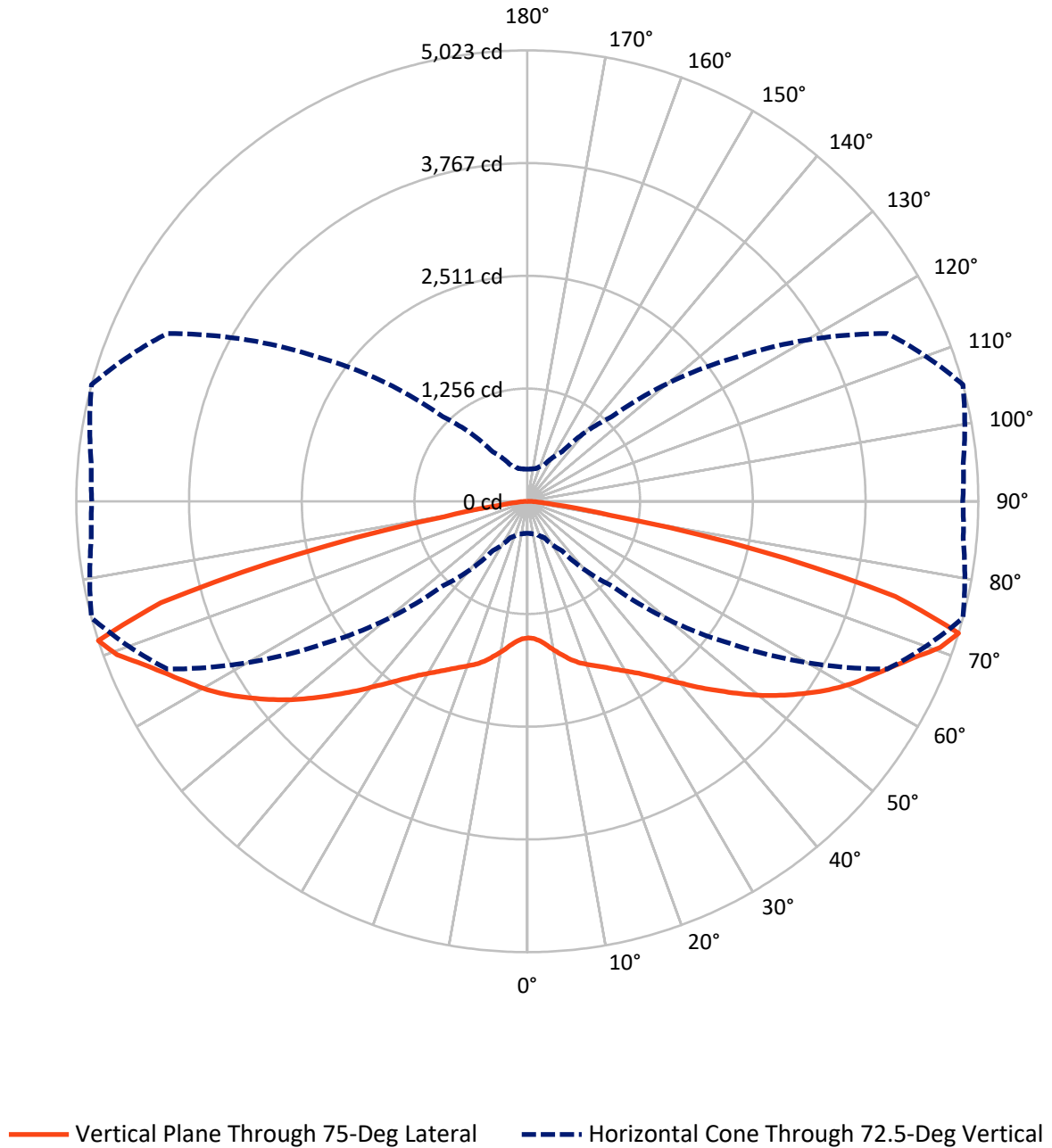
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7101.5	0.0	7101.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7101.5	0.0	7101.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14203.0	0.0	14203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.0	1.0
10°-20°	491.5	3.5
20°-30°	949.8	6.7
30°-40°	1603.8	11.3
40°-50°	2543.5	17.9
50°-60°	3405.4	24.0
60°-70°	3240.8	22.8
70°-80°	1691.1	11.9
80°-90°	128.0	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°	14203.0	100.0
0°-180°	14203.0	100.0

**Coefficient of Utilization**



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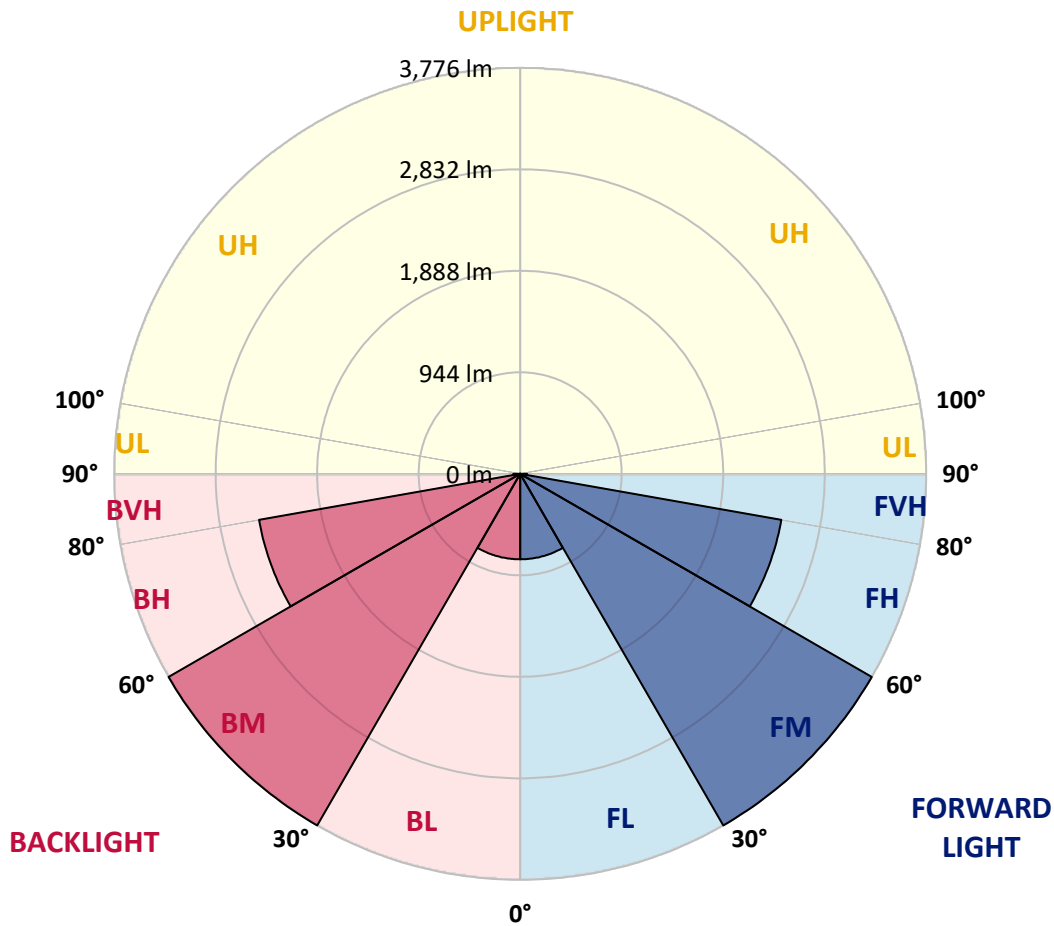
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	795.2	5.6			
FM (30°-60°)	3776.3	26.6			
FH (60°-80°)	2466.0	17.4			G2/5000
FVH (80°-90°)	64.0	0.5			G1/100
BL (0°-30°)	795.2	5.6	B2/1000		
BM (30°-60°)	3776.3	26.6	B3/5000		
BH (60°-80°)	2466.0	17.4	B3/2500		G3/2500
BVH (80°-90°)	64.0	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1521.4	1521.4	1521.4	1521.4	1521.4	1521.4	1521.4	1521.4	1521.4	1521.4
2.5°	1521.4	1519.9	1521.4	1522.8	1522.1	1522.1	1525.7	1527.9	1532.3	1531.5
5°	1511.2	1510.5	1516.3	1522.8	1527.9	1536.6	1547.5	1555.5	1565.6	1567.8
7.5°	1506.2	1504.0	1514.1	1525.7	1541.7	1563.5	1584.5	1606.2	1623.6	1629.4
10°	1509.8	1510.5	1524.3	1546.1	1571.4	1601.9	1631.6	1668.6	1693.3	1699.1
12.5°	1526.5	1525.0	1548.2	1583.0	1617.8	1656.3	1691.1	1731.7	1758.5	1772.3
15°	1556.9	1554.0	1586.7	1638.1	1688.9	1733.9	1762.2	1800.6	1831.8	1849.2
17.5°	1593.2	1594.6	1637.4	1704.1	1770.9	1821.6	1848.4	1868.0	1892.0	1907.2
20°	1657.0	1659.9	1707.8	1786.8	1862.9	1921.0	1942.7	1935.5	1942.0	1953.6
22.5°	1742.6	1744.0	1797.7	1883.3	1963.0	2026.8	2041.3	2011.6	1993.5	2001.5
25°	1841.9	1851.3	1905.0	1992.8	2074.7	2135.6	2142.1	2097.2	2052.2	2054.4
27.5°	1963.0	1971.7	2026.1	2113.1	2196.5	2249.5	2248.7	2188.5	2122.6	2105.9
30°	2094.3	2103.7	2159.5	2249.5	2327.1	2373.5	2363.3	2291.5	2197.2	2166.1
32.5°	2250.2	2256.0	2312.6	2402.5	2474.3	2511.2	2490.2	2401.7	2284.3	2248.7
35°	2438.7	2447.4	2489.5	2574.3	2637.4	2667.9	2632.3	2527.9	2395.9	2356.1
37.5°	2654.1	2648.3	2696.2	2771.6	2823.8	2842.6	2794.1	2670.1	2523.6	2476.4
40°	2878.9	2876.0	2928.2	3000.7	3029.0	3040.6	2968.8	2833.2	2670.8	2620.0
42.5°	3082.7	3080.5	3150.8	3231.3	3265.4	3252.4	3161.7	3006.5	2841.2	2783.2
45°	3245.8	3242.9	3329.2	3442.4	3509.1	3487.3	3365.5	3198.0	3013.8	2953.6
47.5°	3371.3	3372.7	3465.6	3605.5	3722.3	3730.2	3573.6	3393.0	3203.8	3135.6
50°	3461.9	3466.3	3565.6	3720.8	3880.4	3950.7	3786.1	3593.2	3400.3	3323.4
52.5°	3484.4	3492.4	3612.0	3794.1	3981.9	4116.0	4002.2	3785.4	3586.7	3513.4
55°	3364.8	3380.7	3532.3	3788.3	4044.2	4224.8	4192.2	3980.4	3774.5	3699.1
57.5°	3089.9	3112.4	3289.3	3623.6	4030.5	4299.5	4339.4	4167.5	3962.3	3889.8
60°	2704.9	2731.7	2901.4	3266.1	3836.1	4327.1	4443.1	4349.5	4134.9	4064.5
62.5°	2124.0	2158.8	2361.9	2789.7	3425.7	4198.7	4531.6	4514.2	4290.1	4202.3
65°	1362.6	1399.6	1613.5	2118.9	2878.2	3805.7	4559.1	4674.4	4454.0	4331.4
67.5°	821.6	838.3	944.2	1284.3	2103.7	3213.2	4325.6	4852.1	4645.4	4493.1
70°	525.7	535.2	598.3	754.2	1189.3	2344.5	3746.9	4885.4	4877.5	4659.2
72.5°	356.8	359.7	376.4	446.7	673.0	1332.1	2763.6	4422.8	5022.5	4873.1
75°	261.1	277.0	303.8	316.2	382.2	665.7	1583.8	3107.3	4232.8	4298.1
77.5°	194.3	195.1	232.1	246.6	272.7	354.6	670.1	1734.6	2628.0	2759.3
80°	164.6	155.9	155.2	198.7	205.2	221.2	299.5	599.0	941.3	570.7
82.5°	137.1	127.6	115.3	155.2	140.0	135.6	129.8	243.7	299.5	147.2
85°	95.7	91.4	87.0	101.5	79.8	68.2	62.4	113.9	126.2	62.4
87.5°	41.3	42.8	43.5	45.0	33.4	23.9	23.9	31.9	31.9	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1521.4
1530.8
1567.8
1630.9
1704.9
1778.1
1855.7
1914.4
1962.3
2007.3
2058.0
2111.0
2169.7
2257.4
2361.9
2485.1
2636.7
2797.7
2967.4
3155.9
3346.6
3532.3
3720.1
3906.5
4079.8
4212.5
4346.6
4504.7
4657.7
4849.9
4140.0
2461.2
431.5
125.5
55.1
18.1
0.0

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