

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: P948362

Luminaire Tested: **GALN-SB3B-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948362  
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-SB3B-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

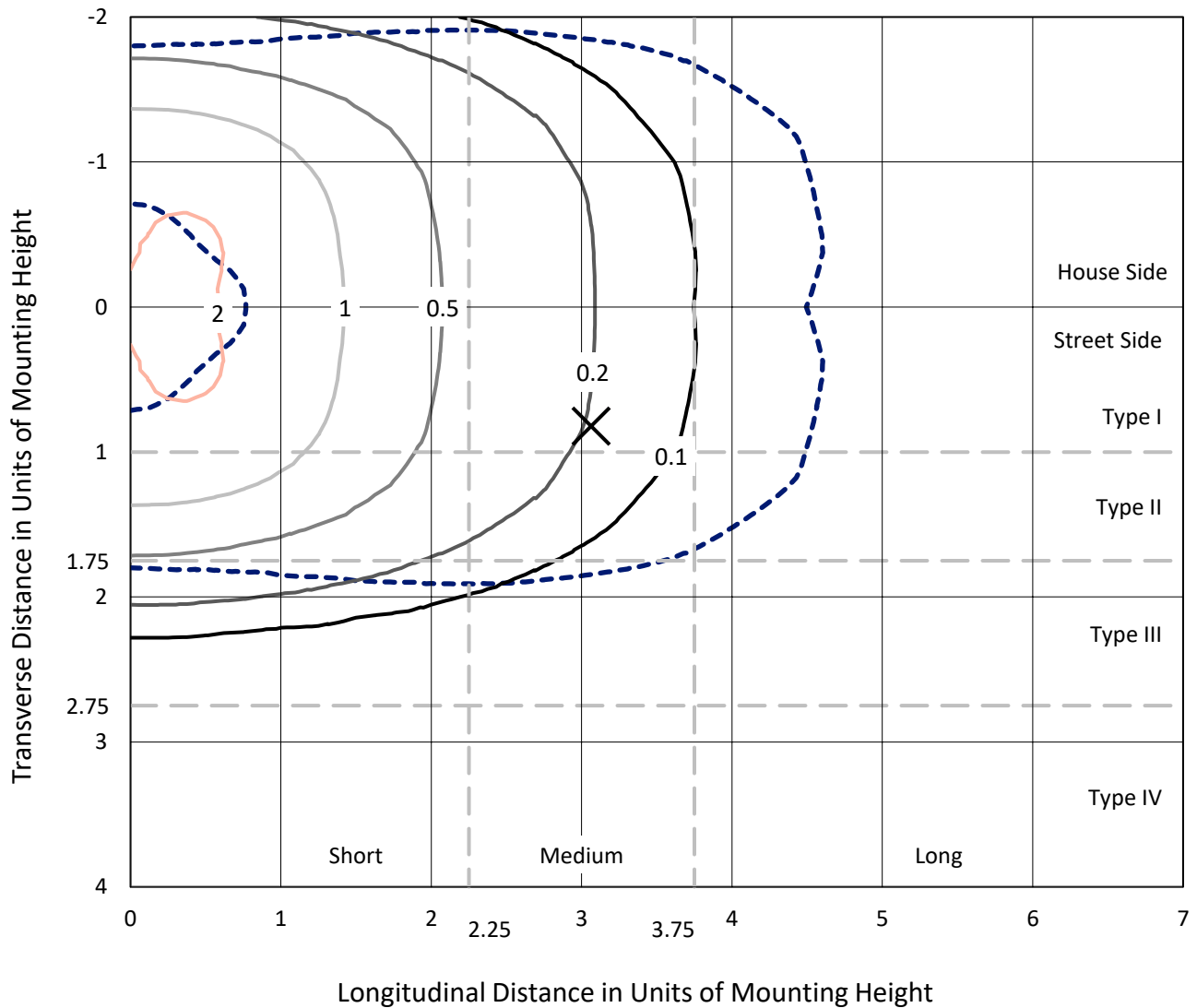
Lumens per Lamp: N/A  
Luminaire Lumens: 12607 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

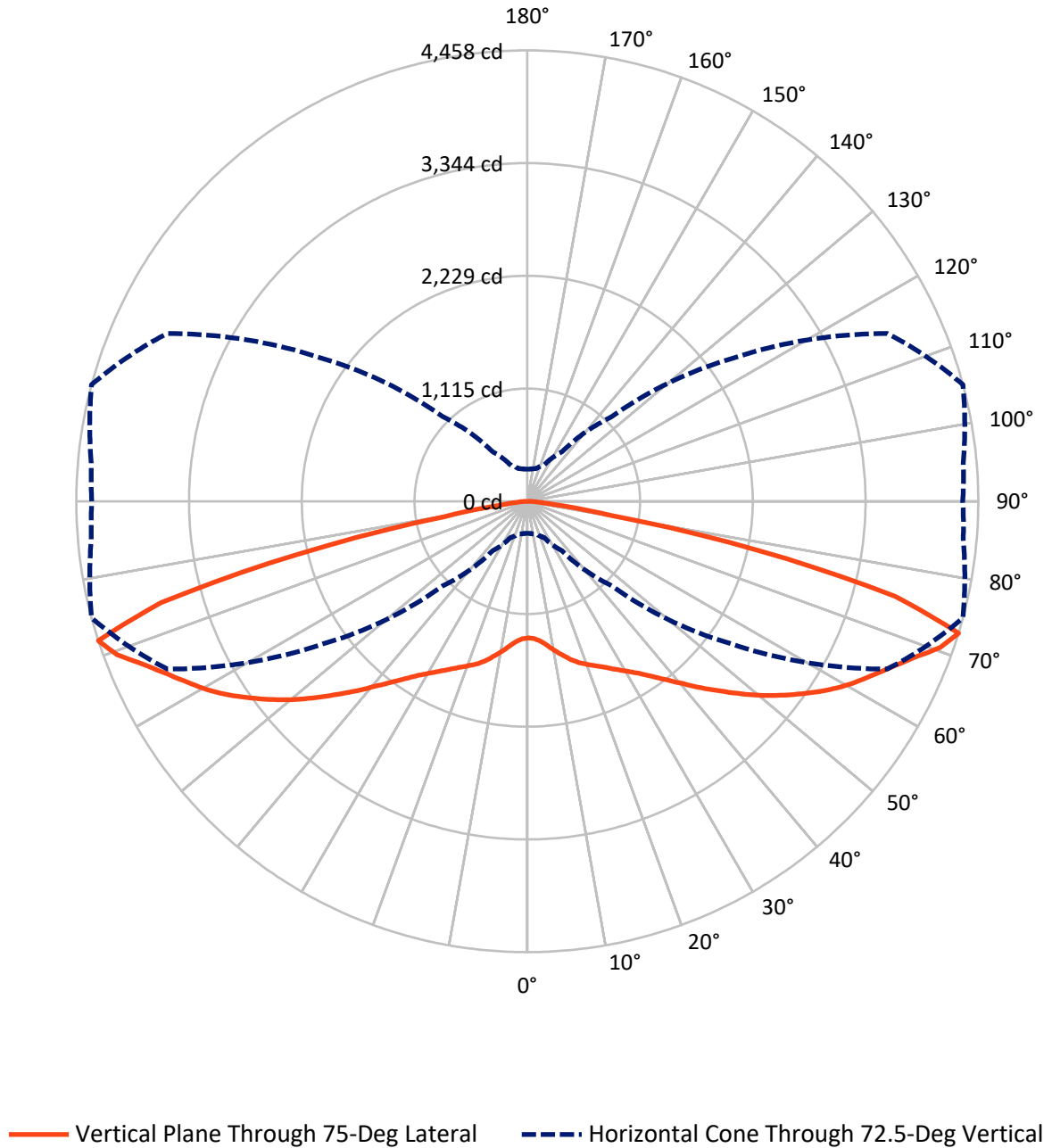
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	6303.5	0.0	6303.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6303.5	0.0	6303.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12607.0	0.0	12607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.3	1.0
10°-20°	436.3	3.5
20°-30°	843.1	6.7
30°-40°	1423.6	11.3
40°-50°	2257.6	17.9
50°-60°	3022.7	24.0
60°-70°	2876.7	22.8
70°-80°	1501.1	11.9
80°-90°	113.6	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°	12607.0	100.0
0°-180°	12607.0	100.0

**Coefficient of Utilization**



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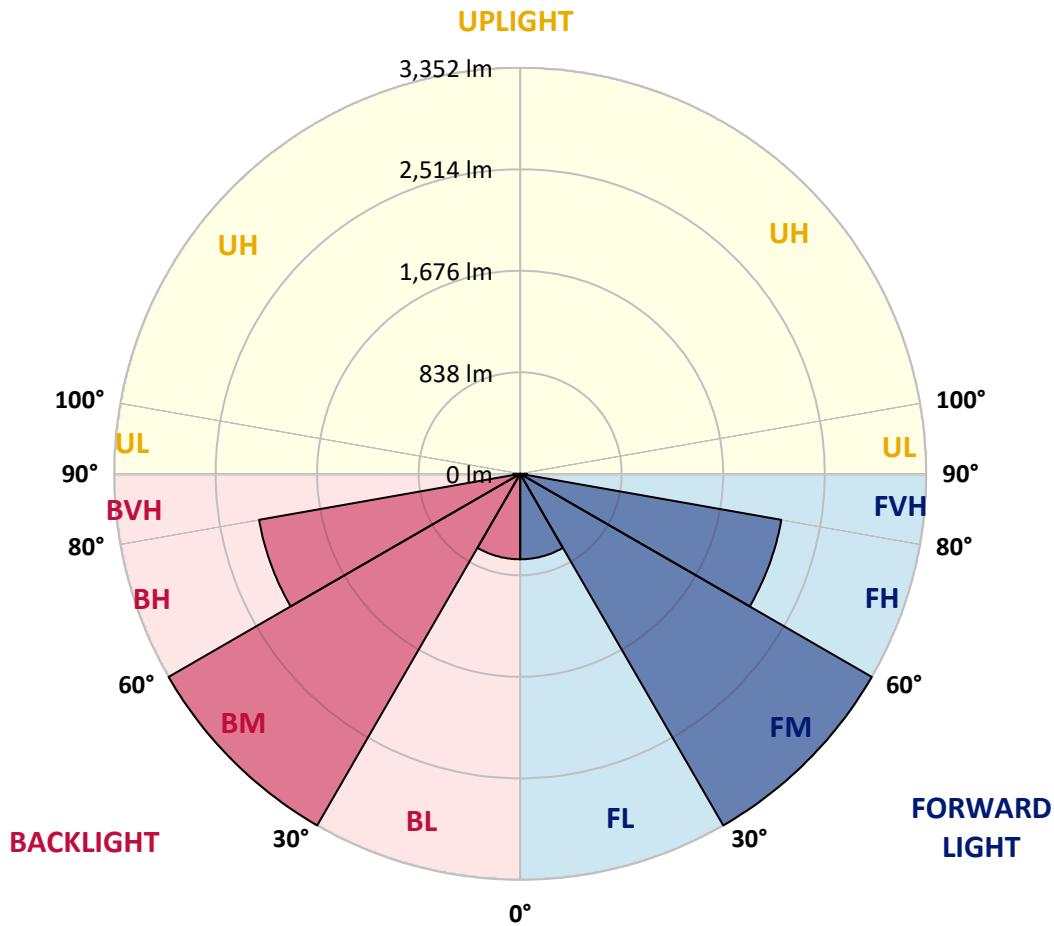
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	705.8	5.6			
FM (30°-60°)	3352.0	26.6			
FH (60°-80°)	2188.9	17.4			G2/5000
FVH (80°-90°)	56.8	0.5			G1/100
BL (0°-30°)	705.8	5.6	B2/1000		
BM (30°-60°)	3352.0	26.6	B3/5000		
BH (60°-80°)	2188.9	17.4	B3/2500		G3/2500
BVH (80°-90°)	56.8	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°	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4
2.5°	1350.4	1349.1	1350.4	1351.7	1351.1	1351.1	1354.3	1356.2	1360.1	1359.4
5°	1341.4	1340.8	1345.9	1351.7	1356.2	1364.0	1373.6	1380.7	1389.7	1391.6
7.5°	1336.9	1335.0	1344.0	1354.3	1368.5	1387.8	1406.4	1425.7	1441.2	1446.3
10°	1340.1	1340.8	1353.0	1372.3	1394.8	1421.9	1448.3	1481.1	1503.0	1508.1
12.5°	1354.9	1353.7	1374.3	1405.1	1436.0	1470.2	1501.1	1537.1	1560.9	1573.1
15°	1382.0	1379.4	1408.4	1454.1	1499.1	1539.0	1564.1	1598.3	1625.9	1641.4
17.5°	1414.2	1415.4	1453.4	1512.6	1571.9	1616.9	1640.7	1658.1	1679.4	1692.9
20°	1470.8	1473.4	1515.9	1586.0	1653.6	1705.1	1724.4	1718.0	1723.8	1734.1
22.5°	1546.8	1548.0	1595.7	1671.6	1742.4	1799.1	1812.0	1785.6	1769.5	1776.5
25°	1634.9	1643.3	1690.9	1768.8	1841.6	1895.6	1901.4	1861.5	1821.6	1823.5
27.5°	1742.4	1750.2	1798.4	1875.7	1949.7	1996.7	1996.0	1942.6	1884.0	1869.2
30°	1858.9	1867.3	1916.9	1996.7	2065.6	2106.8	2097.7	2034.0	1950.3	1922.7
32.5°	1997.3	2002.5	2052.7	2132.5	2196.2	2229.1	2210.4	2131.9	2027.6	1996.0
35°	2164.7	2172.4	2209.7	2285.1	2341.1	2368.1	2336.5	2243.9	2126.7	2091.3
37.5°	2355.9	2350.7	2393.2	2460.1	2506.5	2523.2	2480.1	2370.0	2240.0	2198.2
40°	2555.4	2552.8	2599.2	2663.5	2688.6	2698.9	2635.2	2514.8	2370.7	2325.6
42.5°	2736.3	2734.3	2796.8	2868.2	2898.5	2886.9	2806.4	2668.7	2521.9	2470.4
45°	2881.1	2878.5	2955.1	3055.5	3114.8	3095.4	2987.3	2838.6	2675.1	2621.7
47.5°	2992.5	2993.7	3076.1	3200.4	3304.0	3311.1	3172.0	3011.8	2843.8	2783.3
50°	3072.9	3076.8	3165.0	3302.7	3444.3	3506.8	3360.6	3189.4	3018.2	2950.0
52.5°	3092.9	3100.0	3206.2	3367.7	3534.4	3653.5	3552.5	3360.0	3183.6	3118.6
55°	2986.7	3000.8	3135.4	3362.6	3589.8	3750.1	3721.1	3533.1	3350.3	3283.4
57.5°	2742.7	2762.7	2919.7	3216.5	3577.6	3816.4	3851.8	3699.2	3517.1	3452.7
60°	2400.9	2424.7	2575.4	2899.1	3405.1	3840.8	3943.8	3860.8	3670.2	3607.8
62.5°	1885.3	1916.2	2096.5	2476.2	3040.7	3726.9	4022.3	4006.9	3808.0	3730.1
65°	1209.5	1242.3	1432.2	1880.8	2554.8	3378.0	4046.8	4149.1	3953.5	3844.7
67.5°	729.3	744.1	838.1	1140.0	1867.3	2852.1	3839.5	4306.8	4123.4	3988.2
70°	466.7	475.0	531.0	669.4	1055.6	2081.0	3325.9	4336.5	4329.4	4135.6
72.5°	316.7	319.3	334.1	396.5	597.3	1182.4	2453.1	3925.8	4458.1	4325.5
75°	231.7	245.9	269.7	280.6	339.2	590.9	1405.8	2758.2	3757.1	3815.1
77.5°	172.5	173.1	206.0	218.9	242.0	314.8	594.8	1539.7	2332.7	2449.2
80°	146.1	138.4	137.7	176.4	182.2	196.3	265.8	531.7	835.5	506.6
82.5°	121.7	113.3	102.3	137.7	124.2	120.4	115.2	216.3	265.8	130.7
85°	85.0	81.1	77.2	90.1	70.8	60.5	55.4	101.1	112.0	55.4
87.5°	36.7	38.0	38.6	39.9	29.6	21.2	21.2	28.3	28.3	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1350.4
1358.8
1391.6
1447.6
1513.3
1578.3
1647.2
1699.3
1741.8
1781.7
1826.8
1873.7
1925.9
2003.8
2096.5
2205.9
2340.4
2483.3
2633.9
2801.3
2970.6
3135.4
3302.1
3467.5
3621.3
3739.1
3858.2
3998.5
4134.3
4304.9
3674.8
2184.6
383.0
111.4
48.9
16.1
0.0

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