

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: P947770

Luminaire Tested: **GALN-SB3A-740-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947770  
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-SB3A-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

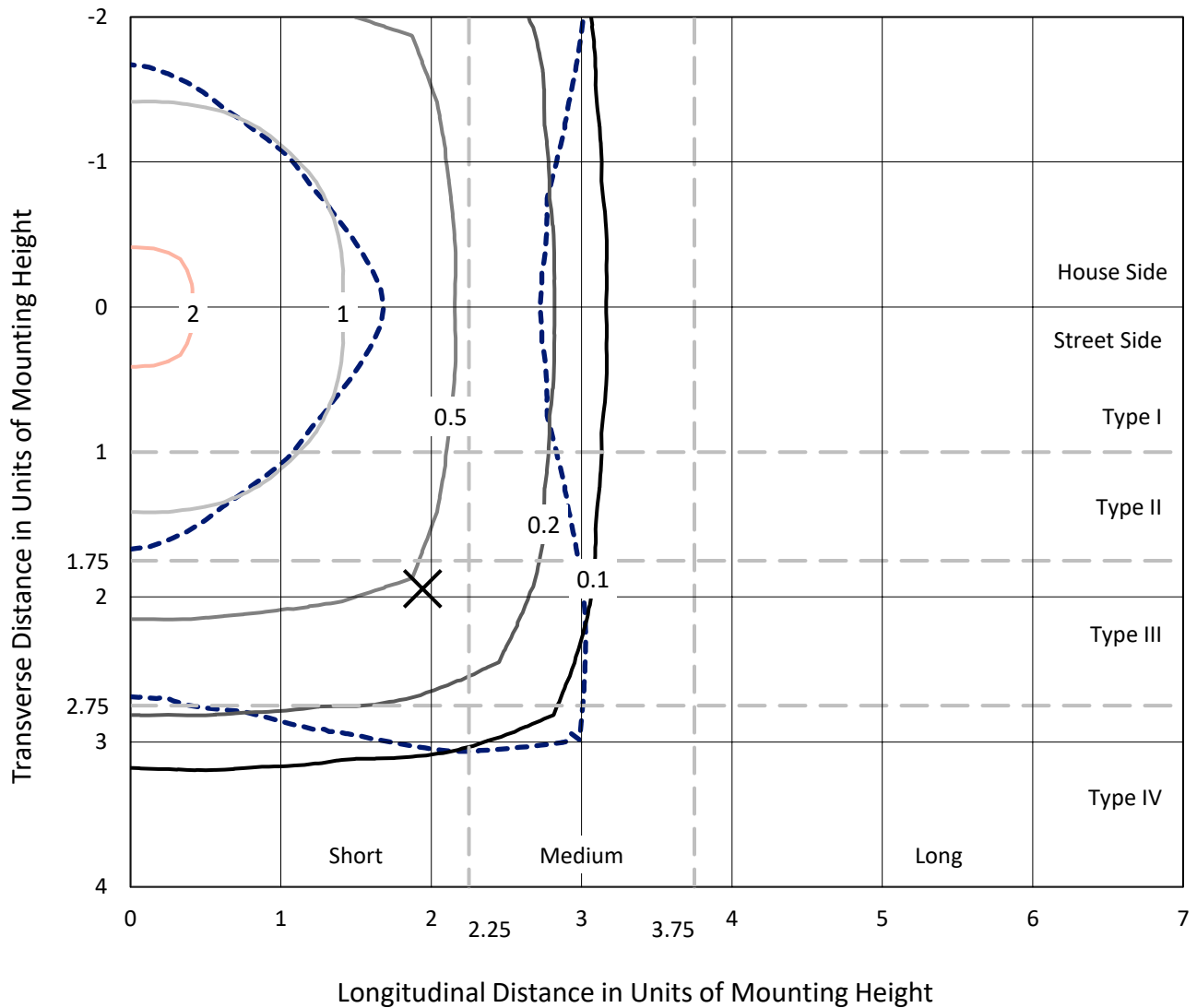
Lumens per Lamp: N/A  
Luminaire Lumens: 14912 lumens  
Efficiency: N/A  
Efficacy: 176.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

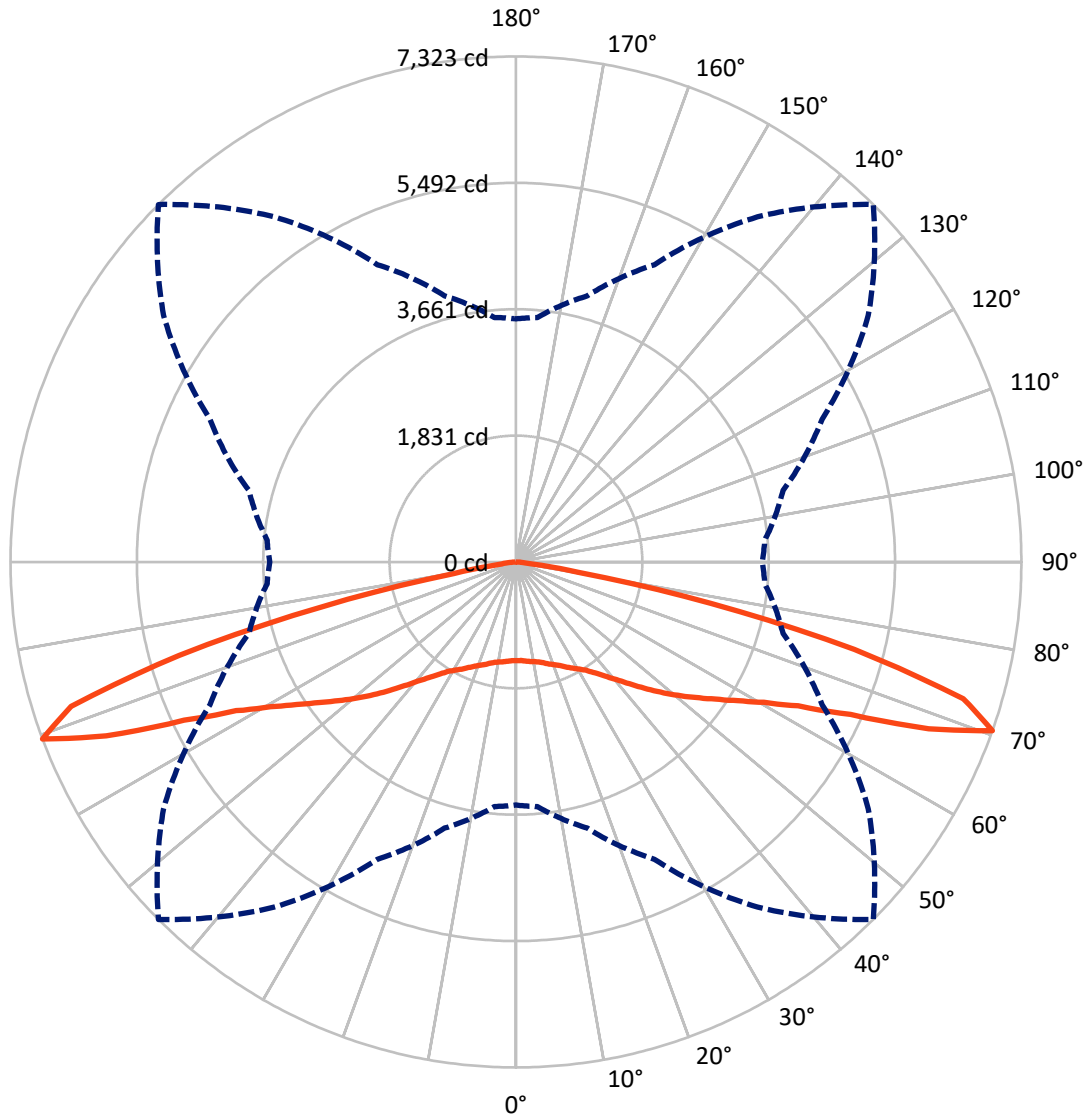
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	7456.0	0.0	7456.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7456.0	0.0	7456.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14912.0	0.0	14912.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	0.9
10°-20°	430.3	2.9
20°-30°	769.0	5.2
30°-40°	1246.6	8.4
40°-50°	2030.5	13.6
50°-60°	3095.8	20.8
60°-70°	4605.5	30.9
70°-80°	2510.1	16.8
80°-90°	85.5	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°	14912.0	100.0
0°-180°	14912.0	100.0

**Coefficient of Utilization**



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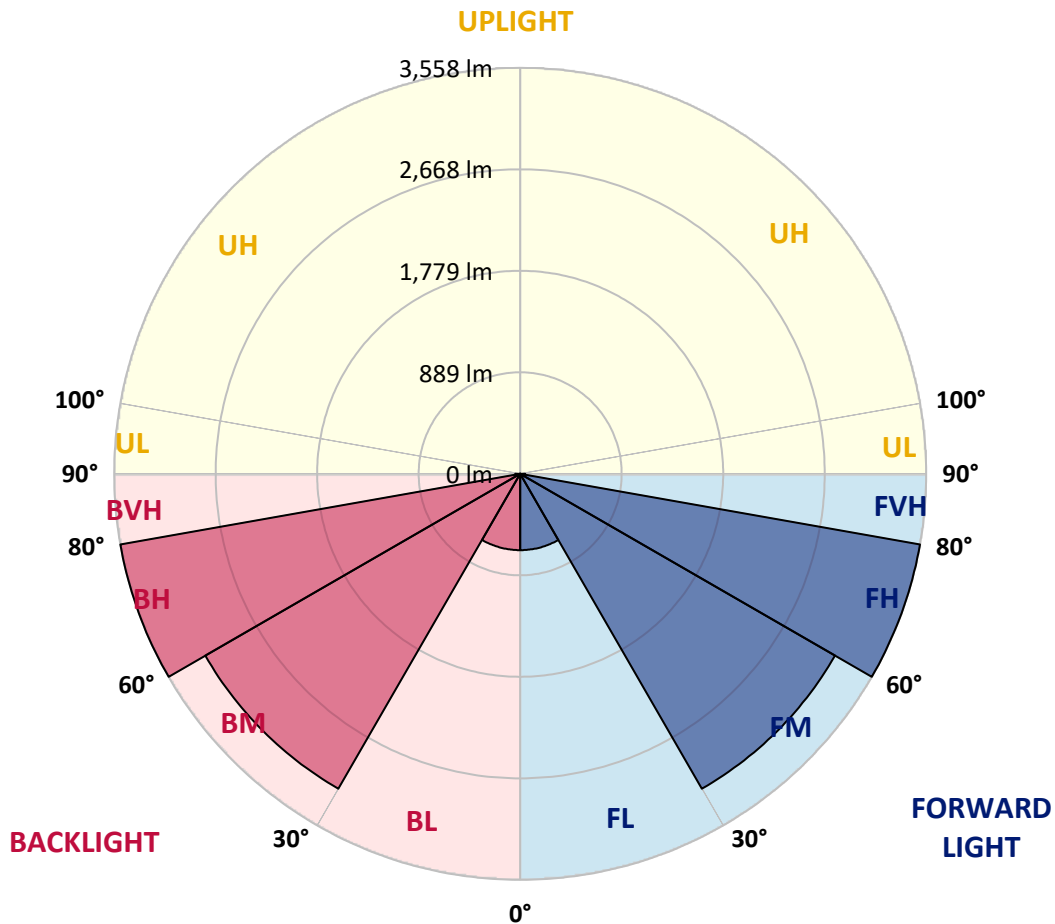
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.1	4.5			
FM (30°-60°)	3186.4	21.4			
FH (60°-80°)	3557.8	23.9			G2/5000
FVH (80°-90°)	42.7	0.3			G1/100
BL (0°-30°)	669.1	4.5	B2/1000		
BM (30°-60°)	3186.4	21.4	B3/5000		
BH (60°-80°)	3557.8	23.9	B4/5000		G2/5000
BVH (80°-90°)	42.7	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°	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4	1428.4
2.5°	1435.2	1436.7	1433.7	1432.2	1430.7	1428.4	1429.2	1432.9	1435.9	1435.2
5°	1447.1	1448.6	1446.4	1445.6	1442.6	1441.9	1441.9	1445.6	1447.9	1446.4
7.5°	1460.6	1462.9	1459.1	1458.4	1456.9	1455.4	1454.6	1458.4	1460.6	1460.6
10°	1473.3	1475.6	1472.6	1470.3	1468.8	1468.8	1467.3	1470.3	1474.1	1473.3
12.5°	1486.8	1488.3	1485.3	1483.8	1483.8	1486.1	1483.8	1485.3	1488.3	1486.8
15°	1503.3	1504.0	1503.3	1505.5	1509.3	1516.8	1510.0	1508.5	1510.0	1506.3
17.5°	1525.7	1527.2	1530.2	1535.5	1540.7	1554.2	1542.2	1538.5	1538.5	1531.0
20°	1553.4	1555.7	1560.2	1569.2	1575.9	1588.6	1576.6	1571.4	1569.2	1559.4
22.5°	1582.6	1586.4	1593.1	1605.1	1617.1	1629.1	1617.1	1608.1	1601.4	1588.6
25°	1616.3	1620.8	1631.3	1650.8	1667.2	1684.5	1670.2	1652.3	1638.8	1620.8
27.5°	1664.2	1669.5	1682.2	1706.2	1727.1	1742.1	1728.6	1705.4	1686.7	1665.0
30°	1731.6	1736.9	1751.8	1777.3	1791.5	1801.2	1792.3	1774.3	1751.8	1727.1
32.5°	1818.5	1825.2	1841.7	1865.6	1868.6	1870.1	1867.1	1858.1	1841.7	1811.7
35°	1928.5	1936.0	1954.7	1974.2	1971.2	1974.2	1969.7	1966.7	1954.7	1920.3
37.5°	2063.3	2072.3	2091.7	2106.7	2099.2	2095.5	2096.2	2097.0	2090.2	2052.0
40°	2219.7	2231.7	2245.9	2261.7	2248.9	2237.7	2245.2	2251.2	2245.2	2206.3
42.5°	2380.7	2397.9	2412.9	2435.3	2424.9	2410.6	2421.1	2427.9	2415.1	2373.2
45°	2559.6	2576.1	2595.6	2629.2	2621.8	2606.8	2621.8	2623.3	2601.5	2552.1
47.5°	2744.5	2761.8	2790.9	2835.9	2832.9	2816.4	2835.9	2825.4	2797.7	2738.5
50°	2919.7	2943.7	2988.6	3051.5	3057.5	3037.3	3063.5	3043.2	2996.8	2922.7
52.5°	3084.4	3109.9	3181.0	3266.3	3288.1	3261.8	3297.0	3261.8	3192.2	3097.1
55°	3257.4	3285.8	3370.4	3481.9	3525.4	3505.9	3538.8	3485.7	3386.9	3271.6
57.5°	3461.0	3478.2	3579.3	3711.8	3785.2	3789.6	3804.6	3714.8	3595.0	3464.0
60°	3681.8	3705.8	3815.8	3974.6	4090.6	4128.0	4112.3	3979.0	3839.8	3689.3
62.5°	3964.8	3991.0	4122.8	4312.9	4496.4	4589.2	4527.8	4334.7	4162.5	3982.0
65°	4199.2	4228.3	4466.4	4805.6	5139.5	5325.9	5171.6	4816.0	4506.1	4251.6
67.5°	4029.2	4065.1	4438.7	5061.6	5891.8	6448.1	5920.3	5138.0	4530.8	4185.7
70°	3521.6	3555.3	3991.0	4752.4	6103.7	7322.5	6231.0	4892.4	4005.3	3619.0
72.5°	2338.0	2446.6	2887.5	3800.9	5450.1	6776.0	5504.0	3723.8	2678.7	2332.8
75°	775.6	862.4	1163.4	1970.4	3650.4	5067.6	3475.2	1743.6	921.6	663.3
77.5°	195.4	225.3	310.7	563.7	1456.1	2885.3	1310.9	460.4	250.8	175.2
80°	95.1	104.8	149.7	187.9	364.6	917.1	342.1	176.7	118.3	91.3
82.5°	52.4	53.2	84.6	106.3	135.5	237.3	140.7	103.3	68.1	55.4
85°	32.2	31.4	44.9	56.9	56.9	84.6	67.4	56.9	38.9	34.4
87.5°	12.7	12.7	16.5	18.0	15.7	21.7	17.2	18.7	15.0	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1428.4
1435.9
1447.1
1460.6
1473.3
1486.1
1506.3
1531.0
1559.4
1587.9
1620.1
1664.2
1727.1
1812.5
1920.3
2052.0
2206.3
2376.2
2557.4
2734.8
2921.2
3088.2
3255.9
3446.0
3665.4
3950.6
4209.6
4134.0
3567.3
2257.2
627.4
156.5
83.8
55.4
35.9
15.0
0.0

OF REPORT)