

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: P948127

Luminaire Tested: **GALN-SB3B-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948127
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-SB3B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18719 lumens
Efficiency: N/A
Efficacy: 171.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

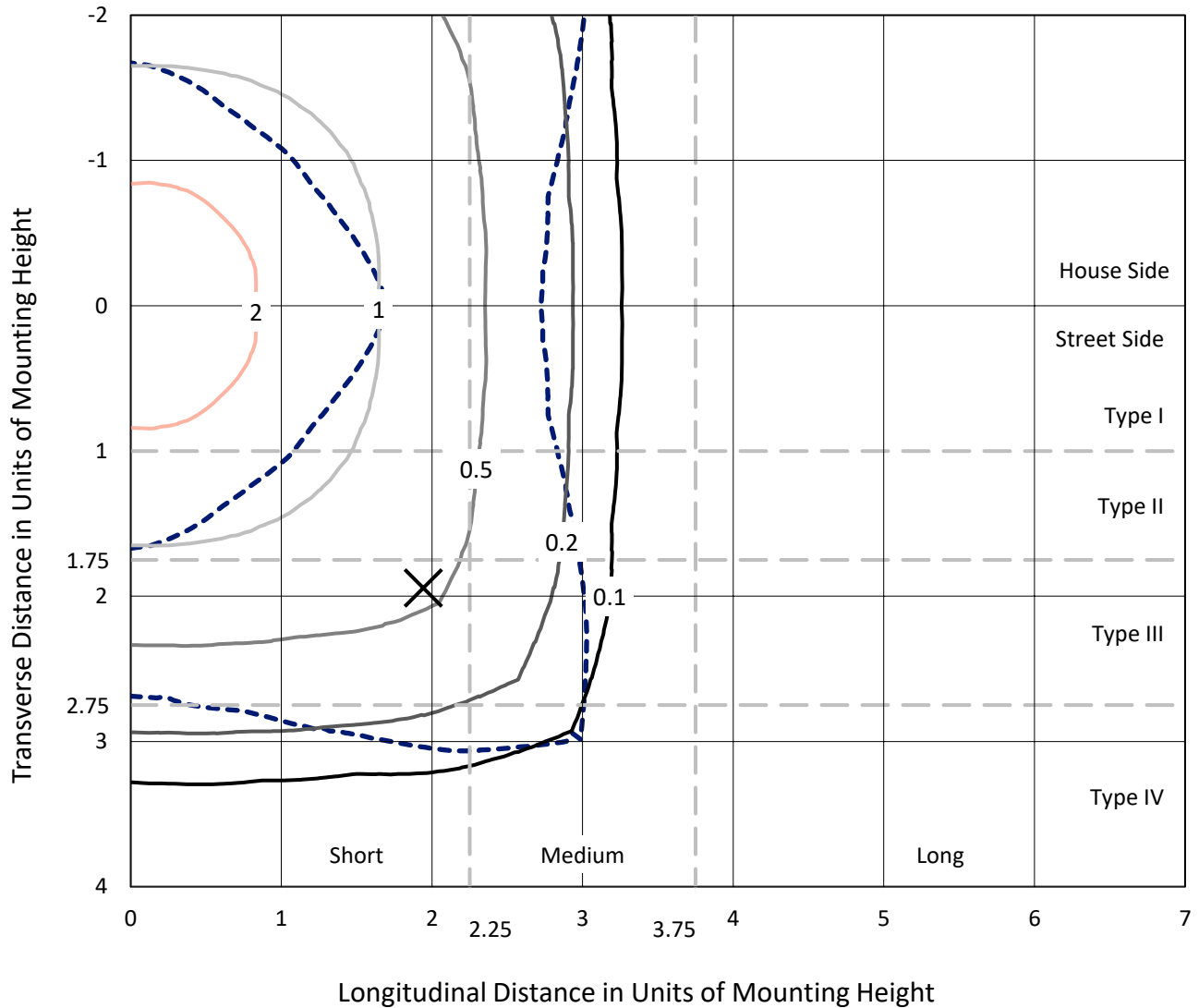
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

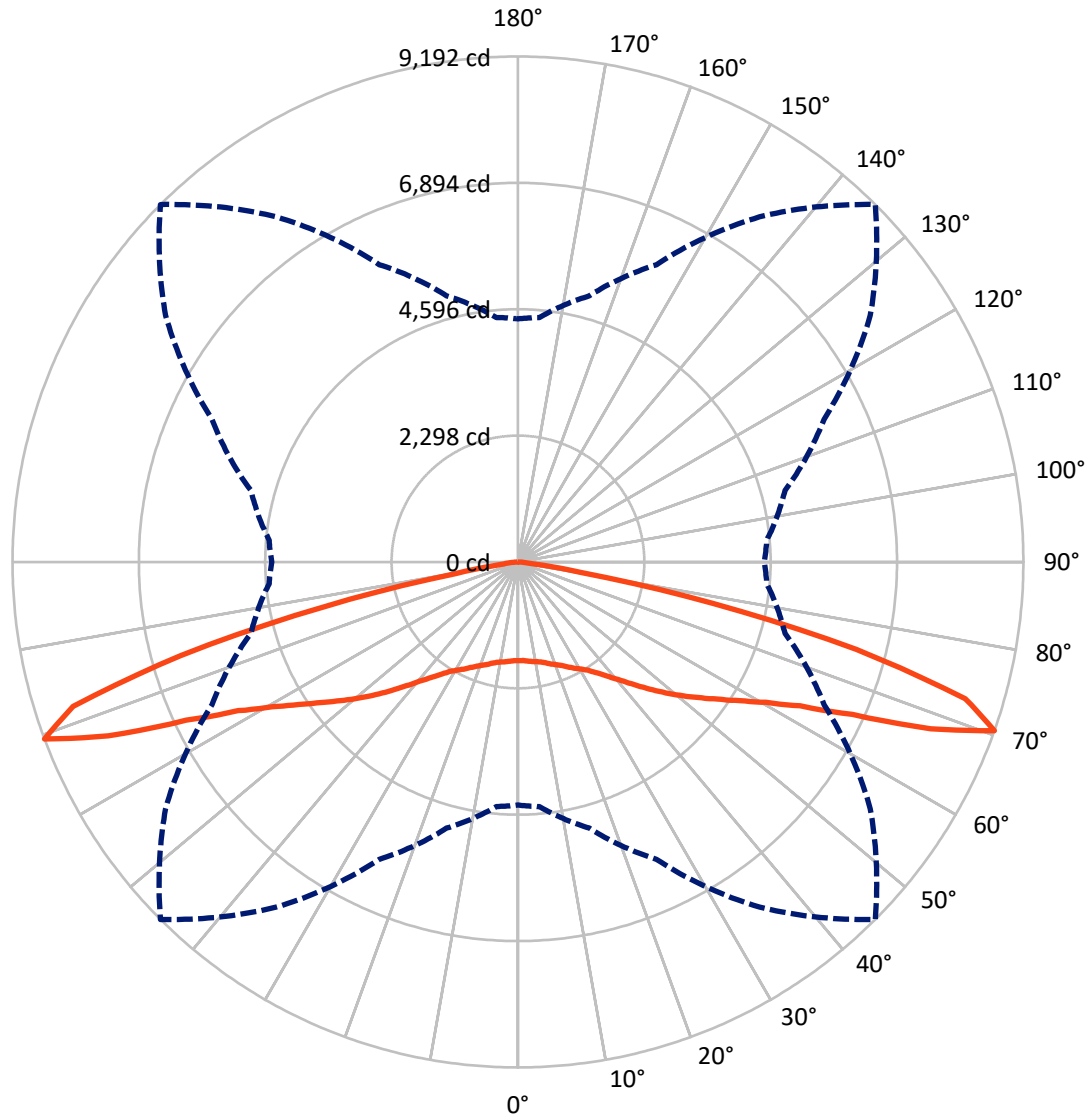
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	9359.5	0.0	9359.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9359.5	0.0	9359.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18719.0	0.0	18719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	0.9
10°-20°	540.2	2.9
20°-30°	965.3	5.2
30°-40°	1564.8	8.4
40°-50°	2548.8	13.6
50°-60°	3886.1	20.8
60°-70°	5781.3	30.9
70°-80°	3151.0	16.8
80°-90°	107.3	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°	18719.0	100.0
0°-180°	18719.0	100.0

Coefficient of Utilization



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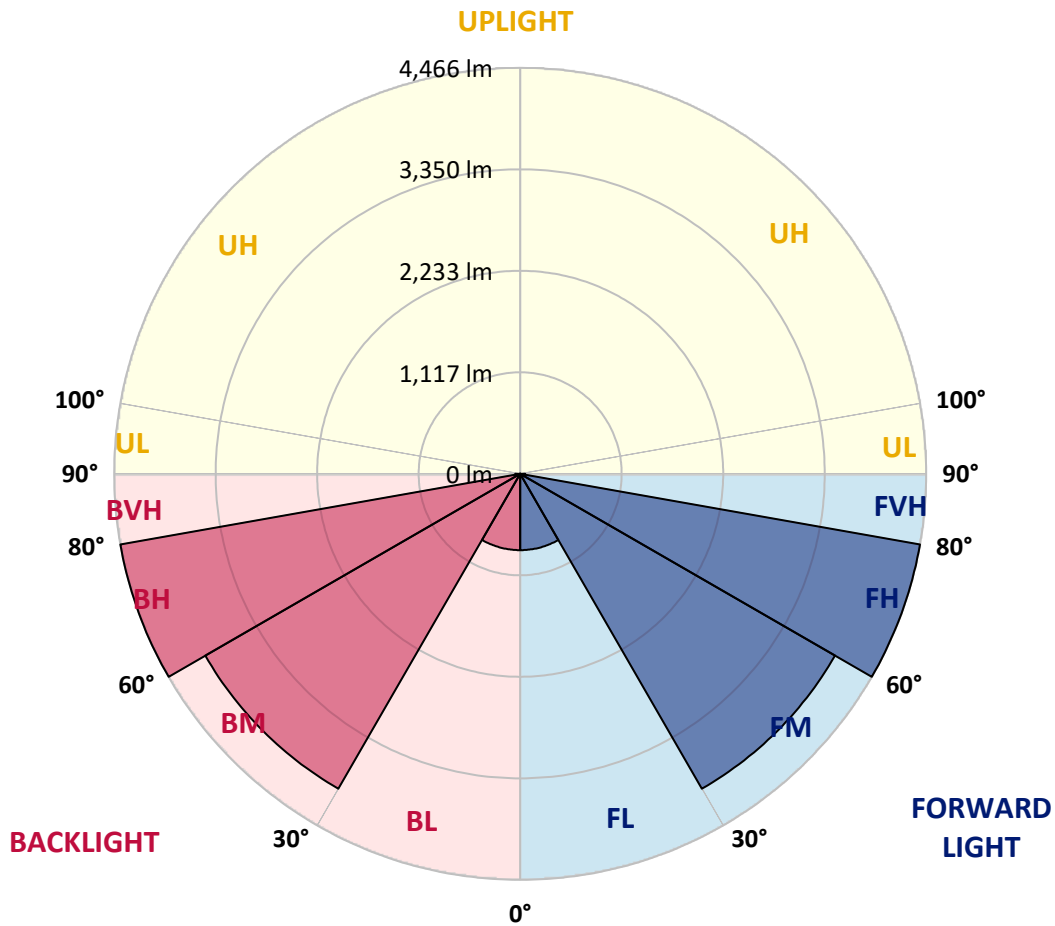
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.9	4.5			
FM (30°-60°)	3999.9	21.4			
FH (60°-80°)	4466.1	23.9			G2/5000
FVH (80°-90°)	53.7	0.3			G1/100
BL (0°-30°)	839.9	4.5	B2/1000		
BM (30°-60°)	3999.9	21.4	B3/5000		
BH (60°-80°)	4466.1	23.9	B4/5000		G2/5000
BVH (80°-90°)	53.7	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°	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1801.5	1803.4	1799.7	1797.8	1795.9	1793.1	1794.0	1798.7	1802.5	1801.5
5°	1816.6	1818.5	1815.6	1814.7	1810.9	1810.0	1810.0	1814.7	1817.5	1815.6
7.5°	1833.5	1836.3	1831.6	1830.7	1828.8	1826.9	1826.0	1830.7	1833.5	1833.5
10°	1849.5	1852.3	1848.5	1845.7	1843.8	1843.8	1842.0	1845.7	1850.4	1849.5
12.5°	1866.4	1868.3	1864.5	1862.6	1862.6	1865.4	1862.6	1864.5	1868.3	1866.4
15°	1887.1	1888.0	1887.1	1889.9	1894.6	1904.0	1895.5	1893.6	1895.5	1890.8
17.5°	1915.3	1917.1	1920.9	1927.5	1934.1	1951.0	1935.9	1931.2	1931.2	1921.8
20°	1950.0	1952.8	1958.5	1969.8	1978.2	1994.2	1979.2	1972.6	1969.8	1957.5
22.5°	1986.7	1991.4	1999.8	2014.9	2029.9	2044.9	2029.9	2018.6	2010.2	1994.2
25°	2029.0	2034.6	2047.8	2072.2	2092.9	2114.5	2096.6	2074.1	2057.2	2034.6
27.5°	2089.1	2095.7	2111.7	2141.7	2168.1	2186.9	2169.9	2140.8	2117.3	2090.1
30°	2173.7	2180.3	2199.1	2231.0	2248.9	2261.1	2249.8	2227.3	2199.1	2168.1
32.5°	2282.7	2291.2	2311.8	2341.9	2345.7	2347.6	2343.8	2332.5	2311.8	2274.3
35°	2420.9	2430.3	2453.7	2478.2	2474.4	2478.2	2472.5	2468.8	2453.7	2410.5
37.5°	2590.0	2601.3	2625.7	2644.5	2635.1	2630.4	2631.4	2632.3	2623.8	2575.9
40°	2786.4	2801.5	2819.3	2839.1	2823.1	2809.0	2818.4	2825.9	2818.4	2769.5
42.5°	2988.5	3010.1	3028.9	3057.1	3043.9	3026.1	3039.2	3047.7	3031.7	2979.1
45°	3213.1	3233.8	3258.2	3300.5	3291.1	3272.3	3291.1	3293.0	3265.7	3203.7
47.5°	3445.2	3466.8	3503.5	3559.9	3556.1	3535.4	3559.9	3546.7	3511.9	3437.7
50°	3665.1	3695.2	3751.6	3830.5	3838.0	3812.7	3845.6	3820.2	3761.9	3668.9
52.5°	3871.9	3903.8	3993.1	4100.2	4127.5	4094.6	4138.8	4094.6	4007.2	3887.8
55°	4089.0	4124.7	4230.9	4370.9	4425.4	4401.0	4442.3	4375.6	4251.5	4106.8
57.5°	4344.6	4366.2	4493.1	4659.4	4751.5	4757.1	4775.9	4663.2	4512.8	4348.3
60°	4621.8	4651.9	4790.0	4989.3	5134.9	5181.9	5162.2	4994.9	4820.1	4631.2
62.5°	4977.0	5009.9	5175.3	5414.0	5644.3	5760.8	5683.7	5441.3	5225.1	4998.7
65°	5271.2	5307.8	5606.7	6032.4	6451.5	6685.5	6492.0	6045.6	5656.5	5337.0
67.5°	5057.9	5103.0	5571.9	6353.8	7396.0	8094.3	7431.7	6449.7	5687.5	5254.3
70°	4420.7	4463.0	5009.9	5965.7	7662.0	9191.9	7821.7	6141.4	5027.8	4542.9
72.5°	2934.9	3071.2	3624.7	4771.2	6841.5	8505.9	6909.2	4674.4	3362.5	2928.3
75°	973.6	1082.6	1460.4	2473.5	4582.3	6361.3	4362.4	2188.7	1156.9	832.6
77.5°	245.3	282.9	390.0	707.6	1827.9	3621.9	1645.5	578.0	314.8	219.9
80°	119.4	131.6	188.0	235.9	457.7	1151.2	429.5	221.8	148.5	114.7
82.5°	65.8	66.7	106.2	133.4	170.1	297.9	176.7	129.7	85.5	69.5
85°	40.4	39.5	56.4	71.4	71.4	106.2	84.6	71.4	48.9	43.2
87.5°	16.0	16.0	20.7	22.6	19.7	27.3	21.6	23.5	18.8	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1793.1
1802.5
1816.6
1833.5
1849.5
1865.4
1890.8
1921.8
1957.5
1993.3
2033.7
2089.1
2168.1
2275.2
2410.5
2575.9
2769.5
2982.8
3210.3
3433.0
3667.0
3876.6
4087.1
4325.8
4601.1
4959.2
5284.3
5189.4
4478.0
2833.4
787.5
196.4
105.3
69.5
45.1
18.8
0.0

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