

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: P947057

Luminaire Tested: **GALN-SB2C-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16604 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

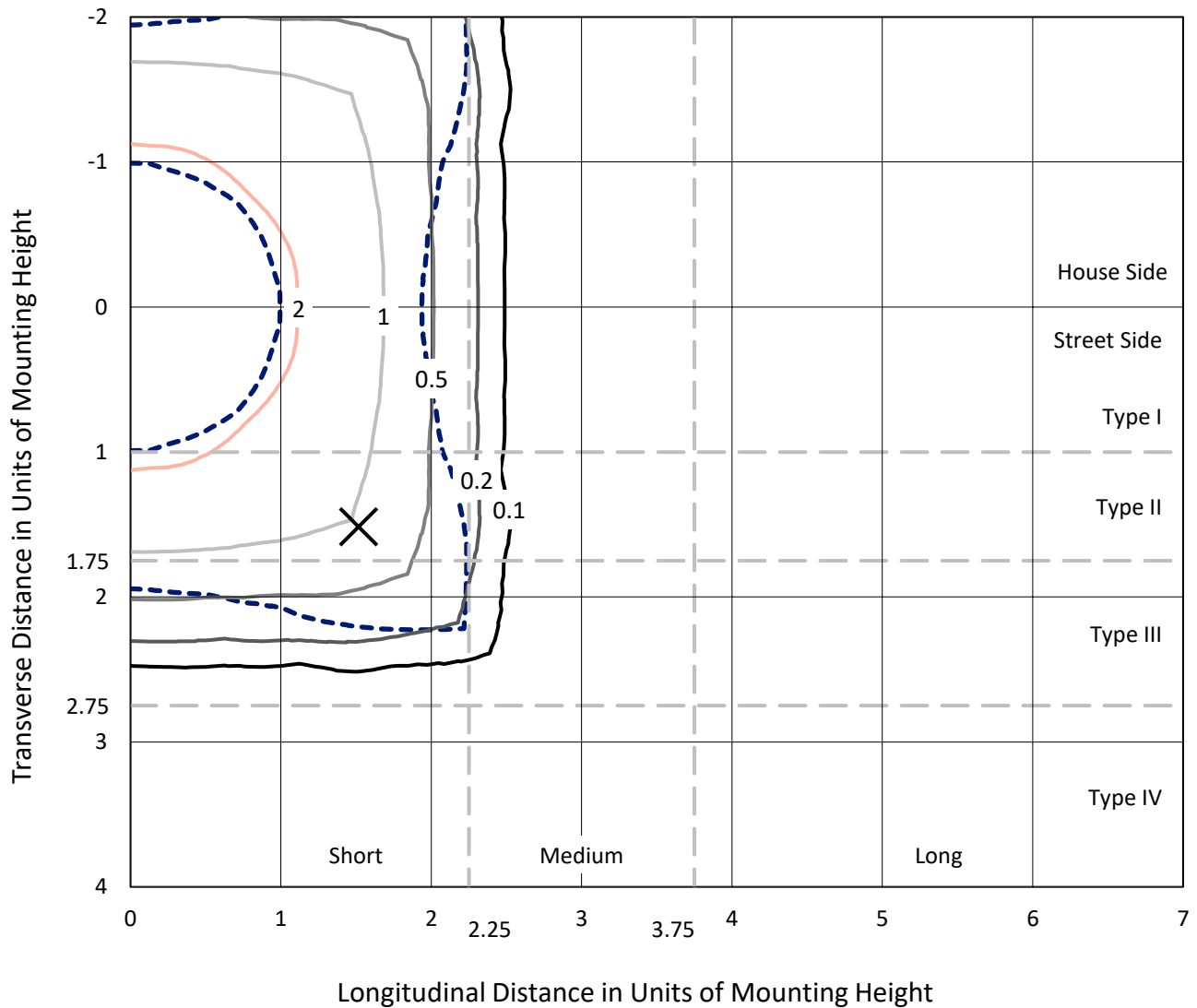
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

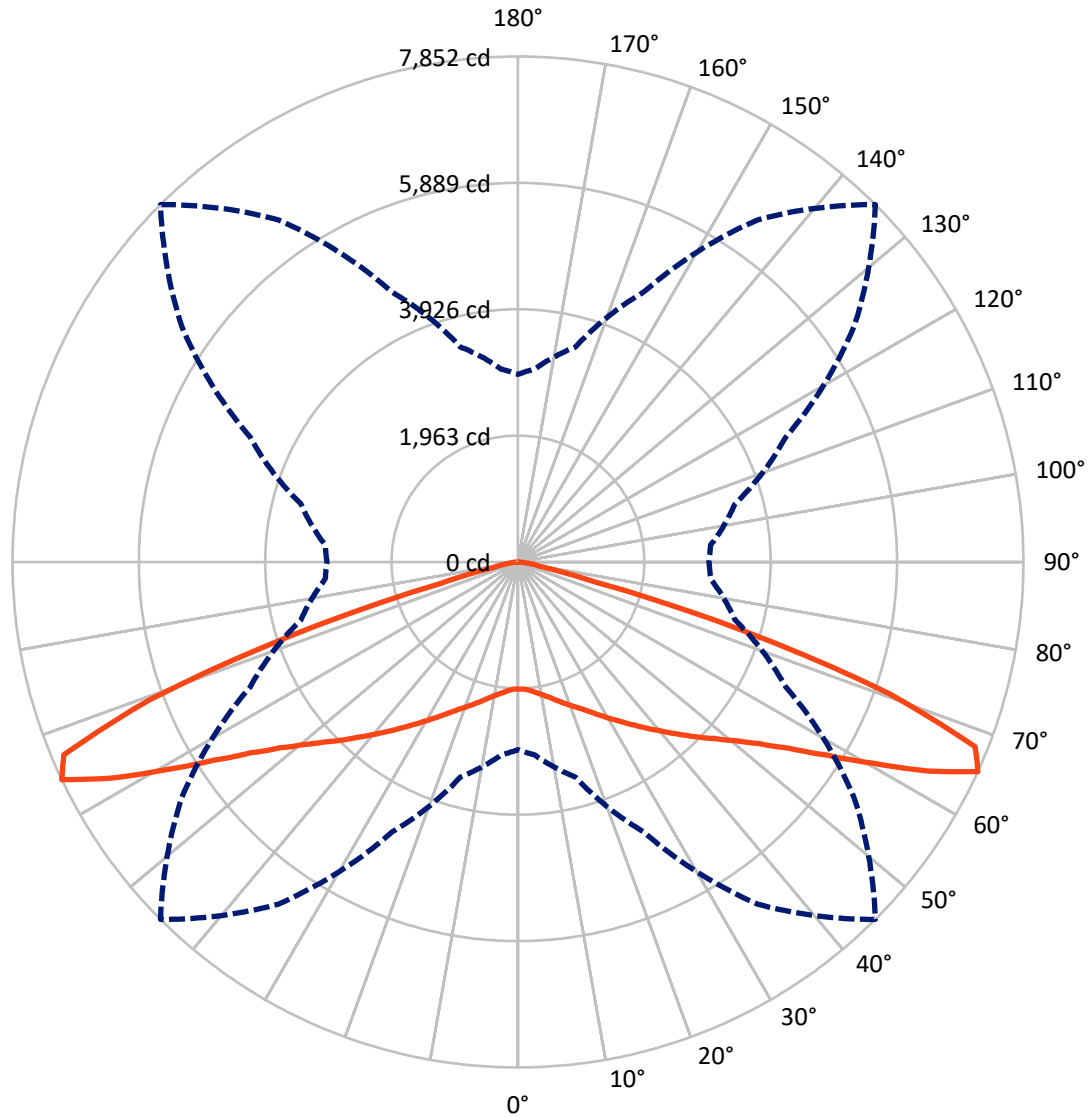
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8302.0	0.0	8302.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8302.0	0.0	8302.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16604.0	0.0	16604.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	1.2
10°-20°	636.4	3.8
20°-30°	1201.5	7.2
30°-40°	1967.4	11.8
40°-50°	3050.5	18.4
50°-60°	4506.3	27.1
60°-70°	4289.5	25.8
70°-80°	692.2	4.2
80°-90°	65.3	0.4
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°	16604.0	100.0
0°-180°	16604.0	100.0



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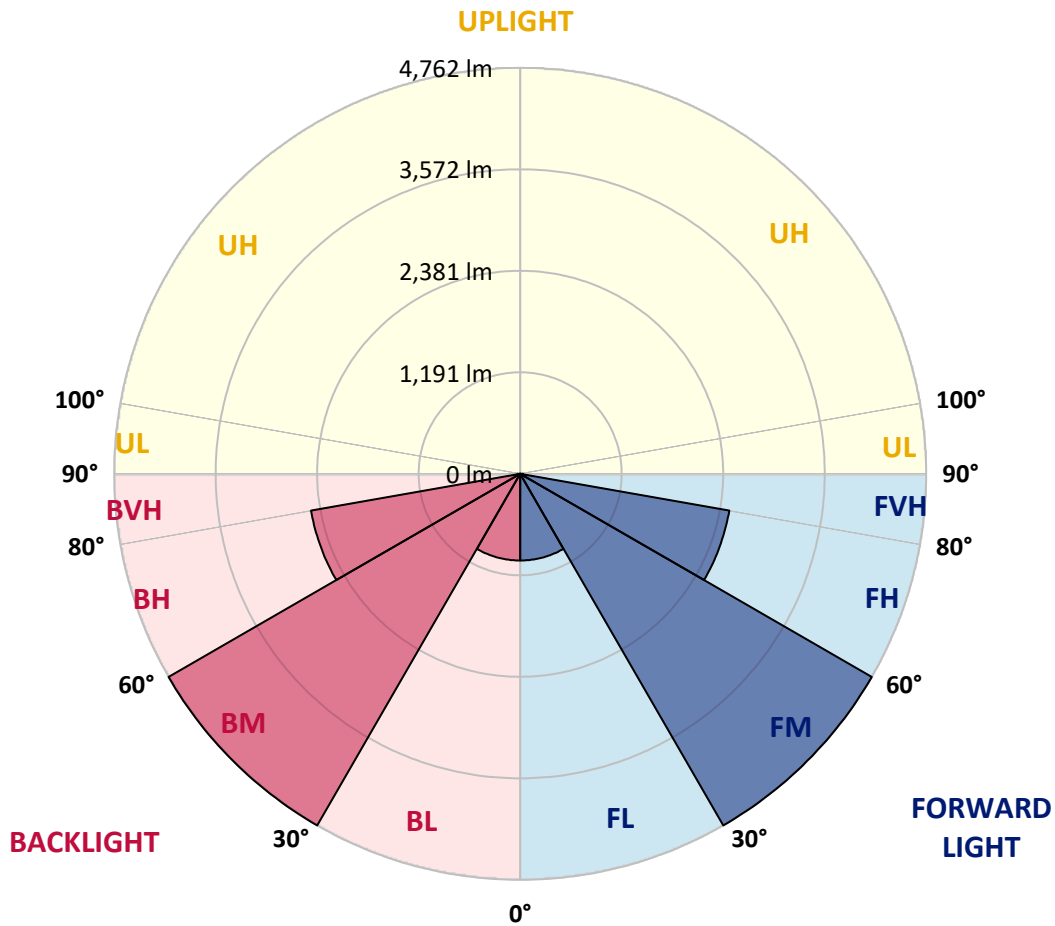
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1016.4	6.1			
FM (30°-60°)	4762.1	28.7			
FH (60°-80°)	2490.8	15.0			G2/5000
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	1016.4	6.1	B3/2500		
BM (30°-60°)	4762.1	28.7	B3/5000		
BH (60°-80°)	2490.8	15.0	B3/2500		G2/5000
BVH (80°-90°)	32.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1976.0	1976.0	1976.0	1976.0	1976.0	1976.0	1976.0	1976.0	1976.0	1976.0
2.5°	1989.4	1982.7	1987.7	1983.5	1980.2	1976.9	1978.5	1984.4	1986.9	1987.7
5°	2016.0	2010.2	2012.7	2012.7	2006.9	2005.2	2006.0	2010.2	2015.2	2015.2
7.5°	2059.3	2053.5	2059.3	2056.0	2051.0	2049.4	2048.5	2051.9	2059.3	2059.3
10°	2111.8	2105.2	2108.5	2106.8	2101.0	2098.5	2097.7	2102.7	2109.3	2108.5
12.5°	2169.3	2161.8	2166.0	2161.0	2159.3	2156.8	2156.8	2156.0	2160.2	2156.8
15°	2233.5	2228.5	2230.1	2226.8	2229.3	2227.6	2221.0	2217.6	2219.3	2214.3
17.5°	2309.3	2297.6	2303.4	2301.8	2301.8	2305.1	2294.3	2290.1	2293.4	2288.4
20°	2396.7	2385.1	2387.6	2384.2	2380.1	2383.4	2370.1	2373.4	2375.9	2372.6
22.5°	2492.5	2477.6	2476.7	2478.4	2469.2	2470.1	2460.9	2469.2	2474.2	2465.1
25°	2590.8	2575.0	2585.8	2581.7	2570.0	2572.5	2565.9	2574.2	2578.4	2566.7
27.5°	2695.0	2684.2	2694.1	2696.6	2682.5	2692.5	2682.5	2690.0	2694.1	2676.7
30°	2816.6	2805.8	2814.9	2821.6	2804.9	2820.8	2812.4	2817.4	2818.3	2797.4
32.5°	2949.1	2932.4	2955.7	2959.1	2940.7	2959.9	2949.1	2955.7	2959.9	2931.6
35°	3110.7	3089.9	3116.5	3112.3	3096.5	3112.3	3102.4	3112.3	3122.3	3088.2
37.5°	3284.8	3263.1	3291.5	3284.0	3269.0	3279.8	3274.0	3280.6	3296.5	3259.8
40°	3476.4	3449.7	3488.1	3474.7	3460.6	3458.9	3462.2	3466.4	3487.2	3446.4
42.5°	3681.3	3653.0	3710.5	3689.7	3669.7	3656.3	3667.2	3675.5	3695.5	3649.7
45°	3915.4	3882.9	3957.9	3932.9	3901.3	3873.8	3891.3	3903.8	3932.9	3877.9
47.5°	4173.7	4137.0	4217.0	4209.5	4157.9	4097.9	4137.9	4173.7	4195.3	4128.7
50°	4426.1	4397.8	4502.7	4511.9	4448.6	4364.5	4420.3	4474.4	4480.3	4392.8
52.5°	4662.7	4634.4	4786.8	4844.3	4787.7	4687.7	4746.8	4801.8	4757.7	4644.4
55°	4851.8	4828.5	5022.6	5170.9	5190.0	5107.6	5142.5	5140.9	4995.9	4821.8
57.5°	4897.6	4894.3	5139.2	5453.3	5653.2	5663.2	5594.1	5417.5	5105.1	4871.0
60°	4689.4	4710.2	5046.7	5600.7	6133.9	6355.5	6056.4	5552.4	4980.9	4656.0
62.5°	4066.2	4121.2	4526.9	5420.8	6522.1	7151.9	6427.1	5347.5	4471.1	4047.1
65°	2914.1	3009.9	3458.1	4626.0	6487.1	7851.7	6373.8	4588.5	3491.4	3002.4
67.5°	1322.1	1419.6	1800.3	3167.3	5639.1	7661.7	5625.7	3200.7	1890.2	1424.5
70°	479.0	495.7	618.1	1267.9	3603.9	6104.7	3758.0	1277.1	657.3	528.2
72.5°	289.9	292.4	318.2	454.0	1252.1	3706.3	1305.4	469.0	324.9	288.2
75°	184.1	182.4	226.6	277.4	444.0	1250.4	465.7	277.4	225.8	205.8
77.5°	132.5	136.6	162.4	207.4	279.9	424.0	274.9	198.3	162.4	133.3
80°	99.1	101.6	118.3	161.6	196.6	264.1	174.9	146.6	122.5	83.3
82.5°	71.6	71.6	77.5	117.5	120.0	142.5	95.0	103.3	80.8	59.1
85°	42.5	41.7	48.3	70.0	62.5	52.5	43.3	63.3	50.8	36.7
87.5°	15.0	15.8	15.0	20.0	16.7	14.2	13.3	17.5	14.2	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1976.0
1987.7
2015.2
2056.8
2106.8
2158.5
2215.1
2292.6
2380.1
2474.2
2580.0
2690.0
2809.9
2950.7
3109.0
3282.3
3459.7
3673.8
3906.3
4151.2
4403.6
4647.7
4827.6
4856.0
4617.7
4022.1
2966.6
1403.7
521.5
293.2
207.4
135.8
85.8
59.1
35.8
11.7
0.0

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