

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: P948170

Luminaire Tested: **GALN-SB3B-760-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948170
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-SB3B-760-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18731 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

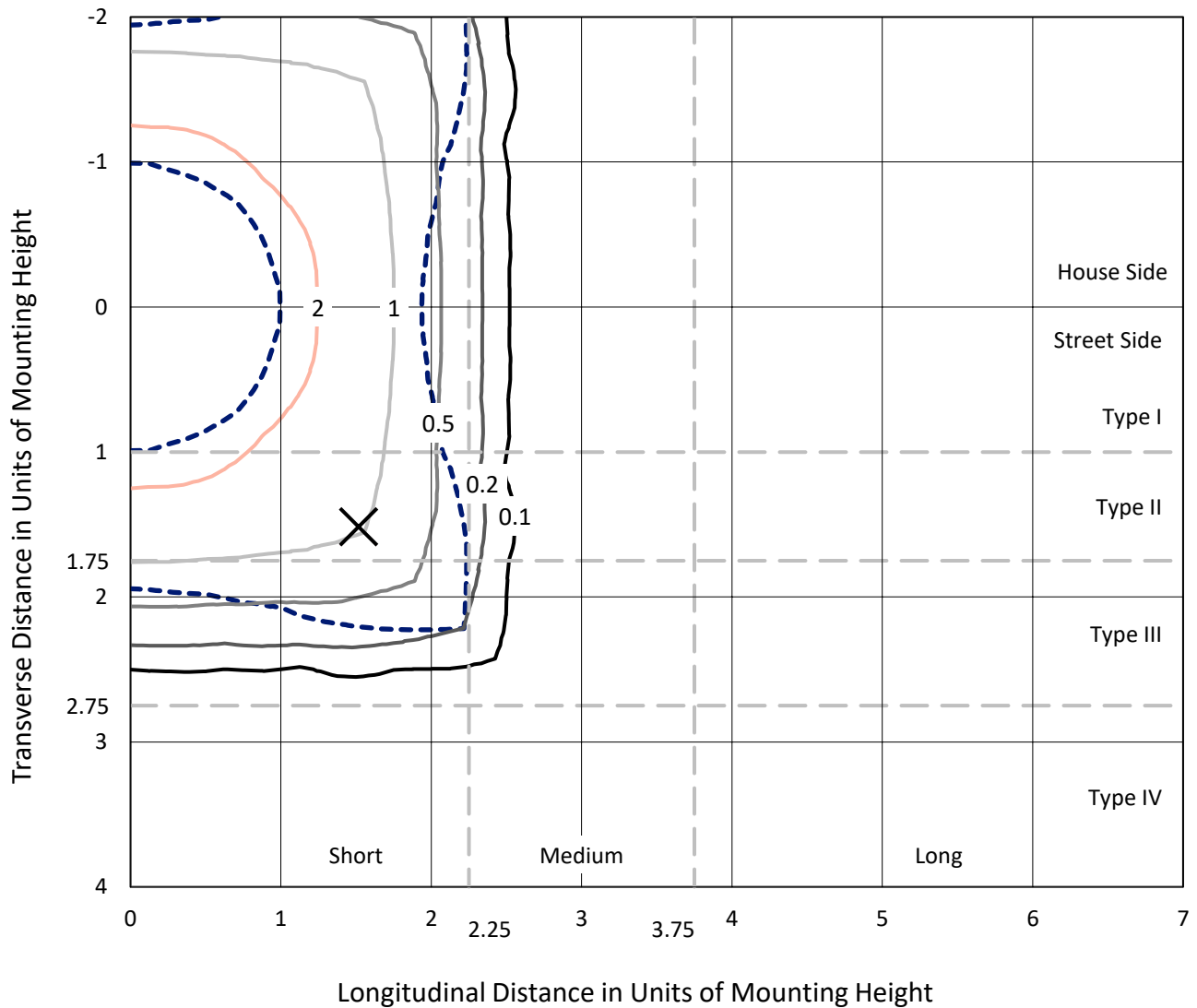
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

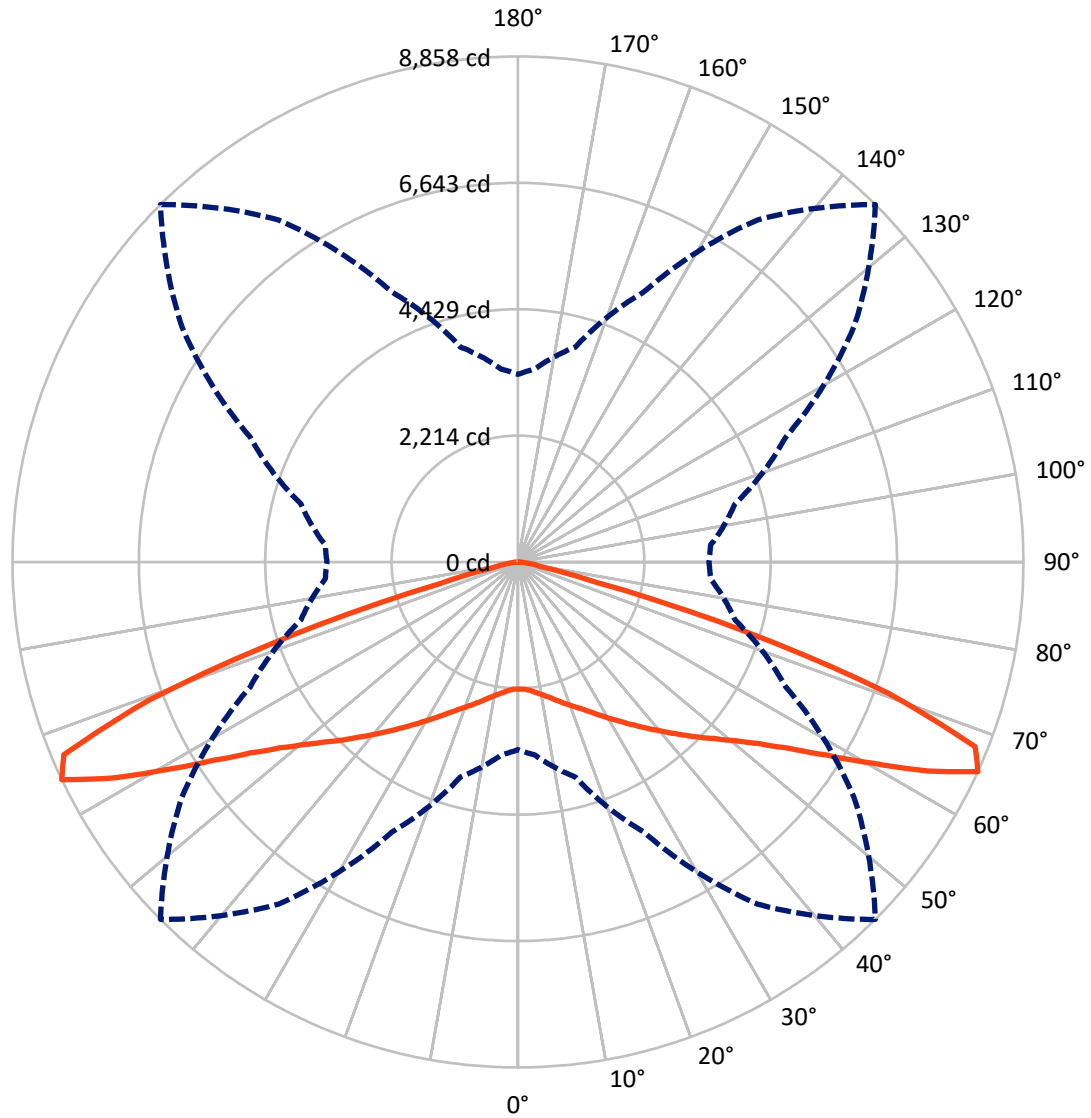
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	9365.5	0.0	9365.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9365.5	0.0	9365.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18731.0	0.0	18731.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	1.2
10°-20°	717.9	3.8
20°-30°	1355.4	7.2
30°-40°	2219.5	11.8
40°-50°	3441.3	18.4
50°-60°	5083.5	27.1
60°-70°	4839.0	25.8
70°-80°	780.8	4.2
80°-90°	73.6	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°	18731.0	100.0
0°-180°	18731.0	100.0



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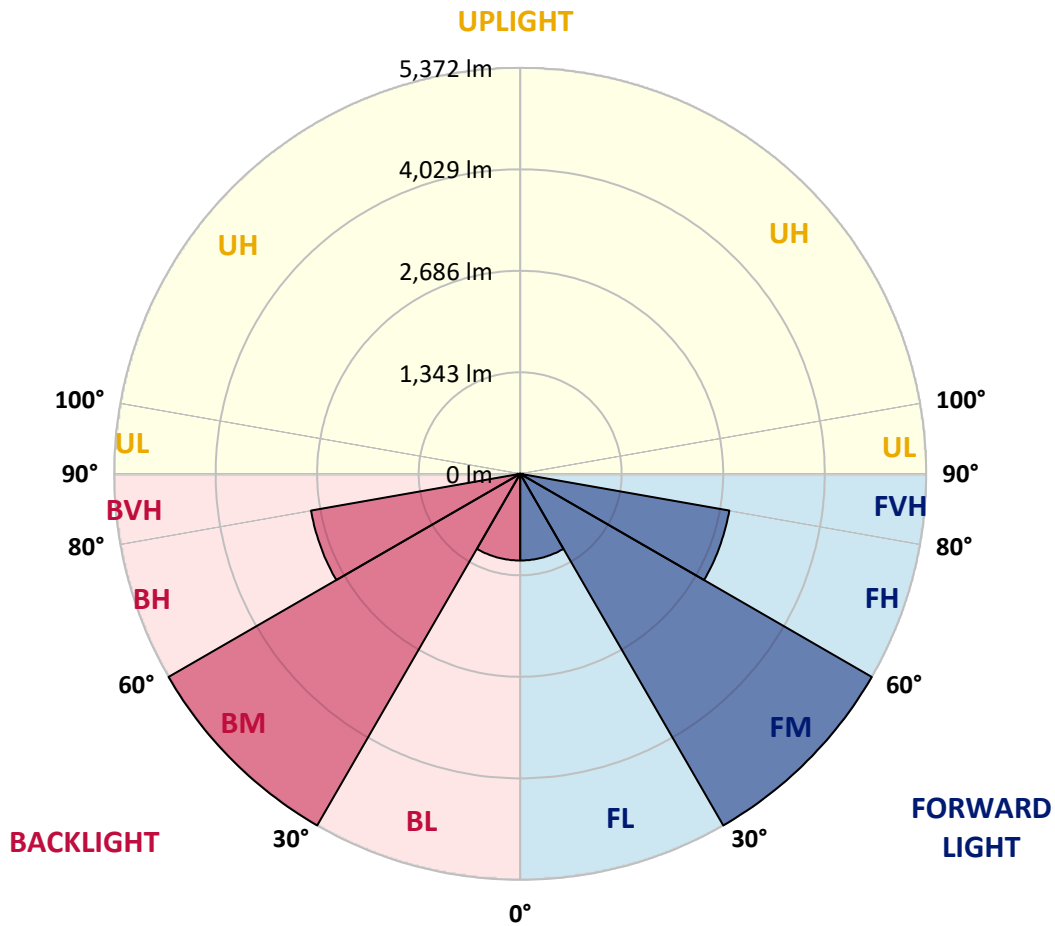
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.6	6.1			
FM (30°-60°)	5372.1	28.7			
FH (60°-80°)	2809.9	15.0			G2/5000
FVH (80°-90°)	36.8	0.2			G1/100
BL (0°-30°)	1146.6	6.1	B3/2500		
BM (30°-60°)	5372.1	28.7	B4/8500		
BH (60°-80°)	2809.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	36.8	0.2			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°	2229.2	2229.2	2229.2	2229.2	2229.2	2229.2	2229.2	2229.2	2229.2	2229.2
2.5°	2244.2	2236.7	2242.3	2237.6	2233.9	2230.1	2232.0	2238.6	2241.4	2242.3
5°	2274.3	2267.7	2270.5	2270.5	2263.9	2262.1	2263.0	2267.7	2273.3	2273.3
7.5°	2323.2	2316.6	2323.2	2319.4	2313.8	2311.9	2310.9	2314.7	2323.2	2323.2
10°	2382.4	2374.8	2378.6	2376.7	2370.1	2367.3	2366.4	2372.0	2379.5	2378.6
12.5°	2447.2	2438.7	2443.4	2437.8	2435.9	2433.1	2433.1	2432.2	2436.9	2433.1
15°	2519.6	2513.9	2515.8	2512.1	2514.9	2513.0	2505.5	2501.7	2503.6	2498.0
17.5°	2605.1	2591.9	2598.5	2596.6	2596.6	2600.4	2588.2	2583.5	2587.2	2581.6
20°	2703.8	2690.6	2693.4	2689.7	2685.0	2688.7	2673.7	2677.5	2680.3	2676.5
22.5°	2811.8	2794.9	2794.0	2795.9	2785.5	2786.5	2776.1	2785.5	2791.2	2780.8
25°	2922.7	2904.9	2917.1	2912.4	2899.2	2902.1	2894.5	2903.9	2908.6	2895.5
27.5°	3040.2	3028.0	3039.3	3042.1	3026.1	3037.4	3026.1	3034.6	3039.3	3019.5
30°	3177.4	3165.2	3175.5	3183.1	3164.3	3182.1	3172.7	3178.4	3179.3	3155.8
32.5°	3326.8	3308.1	3334.4	3338.1	3317.5	3339.1	3326.8	3334.4	3339.1	3307.1
35°	3509.2	3485.7	3515.7	3511.0	3493.2	3511.0	3499.8	3511.0	3522.3	3483.8
37.5°	3705.6	3681.1	3713.1	3704.6	3687.7	3699.9	3693.4	3700.9	3718.7	3677.4
40°	3921.7	3891.7	3934.9	3919.9	3903.9	3902.0	3905.8	3910.5	3934.0	3887.9
42.5°	4152.9	4121.0	4185.8	4162.3	4139.8	4124.7	4136.9	4146.3	4168.9	4117.2
45°	4417.0	4380.4	4464.9	4436.7	4401.0	4370.0	4389.7	4403.8	4436.7	4374.7
47.5°	4708.3	4667.0	4757.2	4748.7	4690.5	4622.8	4667.9	4708.3	4732.8	4657.6
50°	4993.1	4961.1	5079.6	5089.9	5018.5	4923.5	4986.5	5047.6	5054.2	4955.5
52.5°	5260.0	5228.0	5400.0	5464.9	5401.0	5288.2	5354.9	5416.9	5367.1	5239.3
55°	5473.3	5447.0	5666.0	5833.3	5854.9	5761.8	5801.3	5799.4	5635.9	5439.5
57.5°	5525.0	5521.3	5797.6	6151.9	6377.4	6388.7	6310.7	6111.4	5759.0	5494.9
60°	5290.1	5313.6	5693.2	6318.2	6919.7	7169.6	6832.3	6263.7	5619.0	5252.5
62.5°	4587.1	4649.1	5106.8	6115.2	7357.6	8068.1	7250.5	6032.5	5043.8	4565.5
65°	3287.4	3395.5	3901.1	5218.6	7318.1	8857.5	7190.3	5176.4	3938.7	3387.0
67.5°	1491.4	1601.4	2030.9	3573.1	6361.4	8643.2	6346.4	3610.7	2132.4	1607.0
70°	540.4	559.2	697.3	1430.4	4065.5	6886.8	4239.4	1440.7	741.5	595.8
72.5°	327.0	329.9	359.0	512.2	1412.5	4181.1	1472.6	529.1	366.5	325.2
75°	207.7	205.8	255.6	312.9	500.9	1410.6	525.3	312.9	254.7	232.1
77.5°	149.4	154.1	183.3	234.0	315.8	478.4	310.1	223.7	183.3	150.4
80°	111.8	114.7	133.4	182.3	221.8	297.9	197.4	165.4	138.1	94.0
82.5°	80.8	80.8	87.4	132.5	135.3	160.7	107.1	116.5	91.2	66.7
85°	47.9	47.0	54.5	78.9	70.5	59.2	48.9	71.4	57.3	41.4
87.5°	16.9	17.9	16.9	22.6	18.8	16.0	15.0	19.7	16.0	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2229.2
2242.3
2273.3
2320.3
2376.7
2435.0
2498.9
2586.3
2685.0
2791.2
2910.5
3034.6
3169.9
3328.7
3507.3
3702.8
3902.9
4144.5
4406.7
4683.0
4967.7
5243.1
5446.1
5478.0
5209.2
4537.3
3346.6
1583.5
588.3
330.8
234.0
153.2
96.8
66.7
40.4
13.2
0.0

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