

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: P942140

Luminaire Tested: **GALN-SB6A-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27515 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

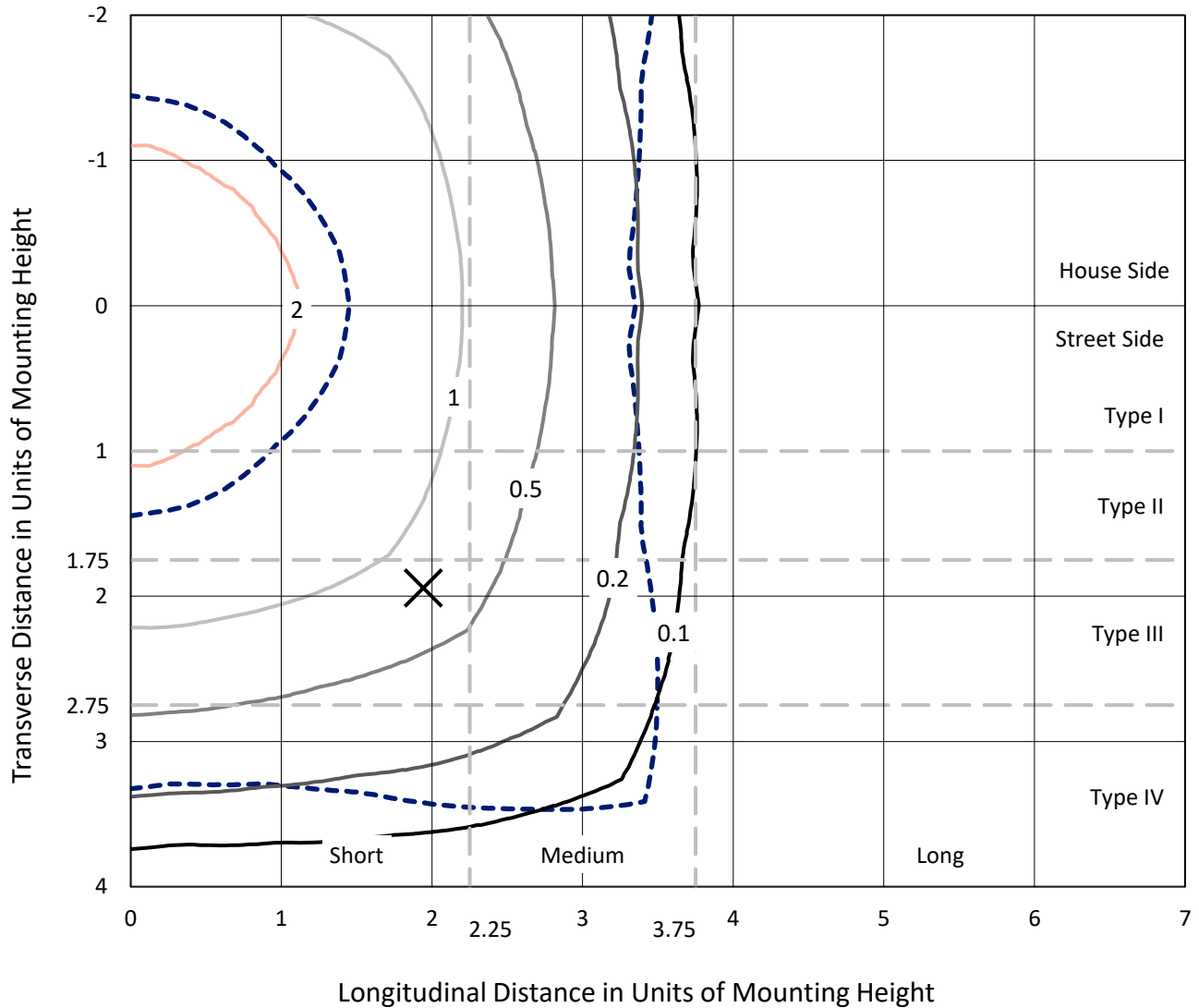
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

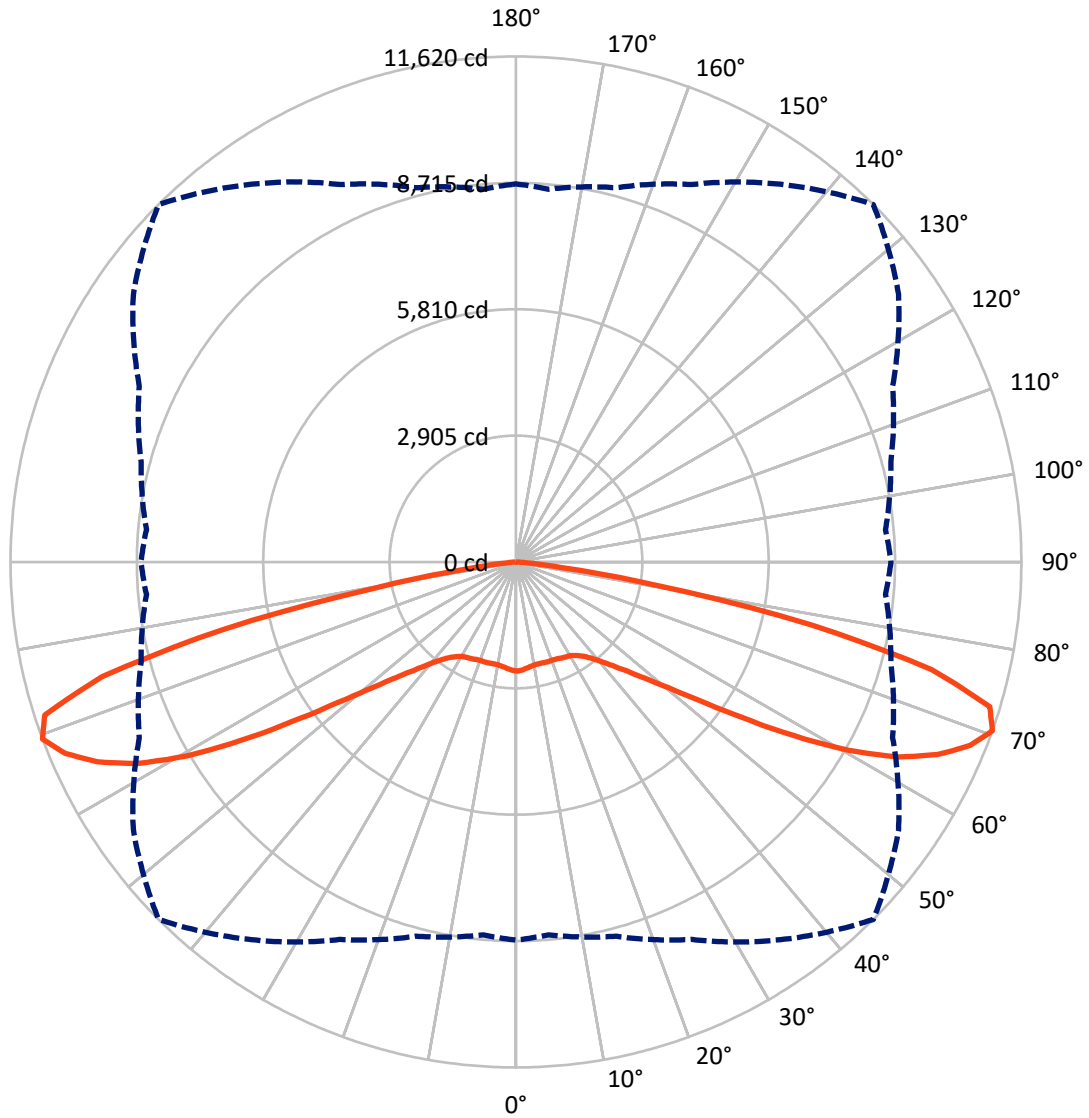
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	13757.5	0.0	13757.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13757.5	0.0	13757.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27515.0	0.0	27515.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	0.8
10°-20°	685.6	2.5
20°-30°	1140.9	4.1
30°-40°	1725.3	6.3
40°-50°	2867.1	10.4
50°-60°	5410.1	19.7
60°-70°	9135.2	33.2
70°-80°	6002.8	21.8
80°-90°	314.5	1.1
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°	27515.0	100.0
0°-180°	27515.0	100.0



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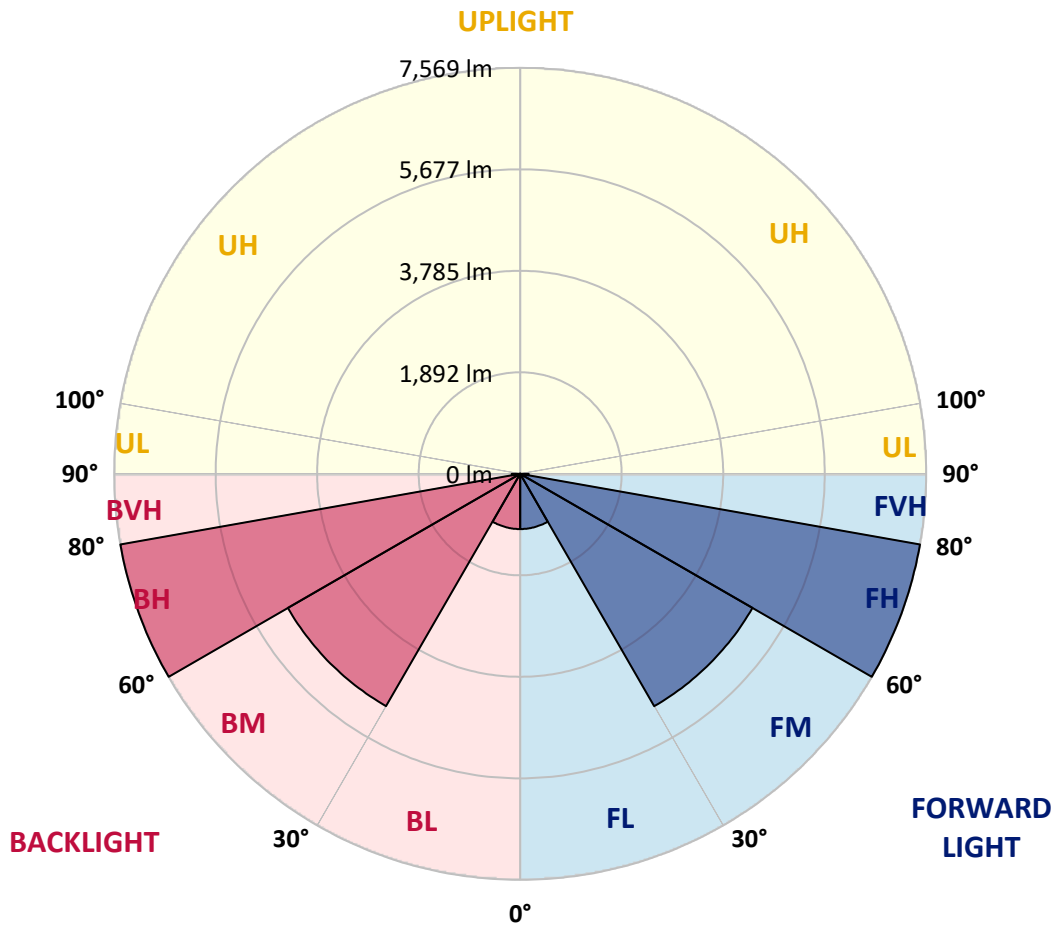
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.0	3.7			
FM (30°-60°)	5001.3	18.2			
FH (60°-80°)	7569.0	27.5			G4/12000
FVH (80°-90°)	157.2	0.6			G2/225
BL (0°-30°)	1030.0	3.7	B3/2500		
BM (30°-60°)	5001.3	18.2	B4/8500		
BH (60°-80°)	7569.0	27.5	B5		G4/12000
BVH (80°-90°)	157.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
2.5°	2494.2	2501.3	2498.5	2492.8	2492.8	2488.5	2492.8	2495.6	2499.9	2502.8
5°	2461.3	2467.0	2465.6	2461.3	2462.7	2458.4	2461.3	2465.6	2468.4	2469.9
7.5°	2432.7	2438.4	2435.6	2428.4	2428.4	2424.1	2425.5	2429.8	2434.1	2435.6
10°	2425.5	2431.3	2422.7	2411.2	2407.0	2401.2	2402.7	2407.0	2415.5	2419.8
12.5°	2428.4	2432.7	2424.1	2407.0	2402.7	2396.9	2396.9	2401.2	2412.7	2418.4
15°	2437.0	2441.3	2428.4	2409.8	2405.5	2401.2	2399.8	2405.5	2418.4	2428.4
17.5°	2452.7	2457.0	2437.0	2411.2	2405.5	2407.0	2405.5	2409.8	2429.8	2448.4
20°	2467.0	2469.9	2442.7	2411.2	2405.5	2407.0	2405.5	2414.1	2439.8	2465.6
22.5°	2471.3	2474.2	2448.4	2421.3	2417.0	2418.4	2417.0	2425.5	2449.9	2475.6
25°	2472.7	2477.0	2457.0	2435.6	2442.7	2445.6	2442.7	2444.1	2462.7	2485.6
27.5°	2494.2	2499.9	2481.3	2462.7	2467.0	2465.6	2469.9	2474.2	2488.5	2511.4
30°	2538.5	2542.8	2527.1	2508.5	2505.6	2495.6	2508.5	2522.8	2538.5	2558.5
32.5°	2611.5	2620.0	2600.0	2580.0	2567.1	2561.4	2571.4	2595.7	2617.2	2638.6
35°	2733.0	2738.7	2720.2	2683.0	2660.1	2660.1	2668.7	2700.1	2734.5	2761.6
37.5°	2904.6	2911.8	2878.9	2834.6	2800.2	2800.2	2811.7	2844.6	2896.1	2934.7
40°	3113.4	3123.5	3082.0	3036.2	3003.3	2997.6	3011.9	3049.1	3097.7	3146.3
42.5°	3365.2	3376.6	3322.3	3282.2	3256.5	3256.5	3263.6	3297.9	3342.3	3402.3
45°	3686.9	3707.0	3632.6	3592.5	3568.2	3574.0	3578.2	3608.3	3648.3	3717.0
47.5°	4070.2	4090.2	4011.6	3970.1	3965.8	3993.0	3975.8	3997.3	4018.7	4097.4
50°	4505.0	4539.3	4485.0	4482.1	4490.7	4540.7	4500.7	4512.1	4487.8	4537.9
52.5°	5037.0	5087.1	5077.1	5094.2	5190.0	5293.0	5201.5	5161.4	5069.9	5085.6
55°	5682.0	5757.8	5772.1	5875.1	6092.5	6302.7	6108.2	5946.6	5752.1	5716.3
57.5°	6415.7	6475.7	6544.4	6754.6	7160.8	7534.1	7160.8	6803.2	6497.2	6424.3
60°	7205.1	7279.5	7345.3	7655.6	8259.1	8784.0	8247.7	7679.9	7275.2	7176.5
62.5°	8053.2	8149.0	8194.8	8539.5	9243.1	9869.5	9253.1	8565.2	8116.1	8010.3
65°	8867.0	8945.6	8997.1	9364.7	10036.8	10664.7	10082.6	9404.7	8942.8	8804.0
67.5°	9246.0	9288.9	9414.7	9830.9	10540.2	11256.7	10660.4	9875.2	9358.9	9115.8
70°	8691.1	8603.8	8907.0	9573.5	10600.3	11620.0	10737.6	9553.4	8921.3	8526.6
72.5°	6716.0	6565.8	7092.1	8232.0	9913.8	11388.3	9982.5	8296.3	7419.6	6618.8
75°	3654.0	3483.9	4210.4	5652.0	7905.9	9870.9	8087.5	5813.6	4688.0	3626.9
77.5°	1031.1	966.8	1553.1	2734.5	4755.3	6930.5	4938.3	2794.5	1842.0	1092.6
80°	316.1	306.1	414.7	823.8	2019.4	3319.4	1940.7	833.8	527.7	333.2
82.5°	187.4	171.6	205.9	300.3	514.9	1042.6	500.6	313.2	251.7	168.8
85°	107.3	100.1	121.6	145.9	173.0	221.7	144.4	148.7	134.4	90.1
87.5°	44.3	40.0	47.2	45.8	40.0	51.5	38.6	45.8	54.3	35.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2509.9
2501.3
2469.9
2435.6
2419.8
2419.8
2429.8
2448.4
2467.0
2475.6
2484.2
2505.6
2554.3
2630.1
2751.6
2920.4
3130.6
3398.0
3714.1
4074.5
4507.8
5032.7
5660.6
6372.8
7090.7
7924.5
8735.4
9118.7
8621.0
6817.5
3862.8
1214.2
351.8
183.1
94.4
32.9
0.0

OF REPORT)