

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: P942120

Luminaire Tested: **GALN-SB6A-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942120
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25521 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

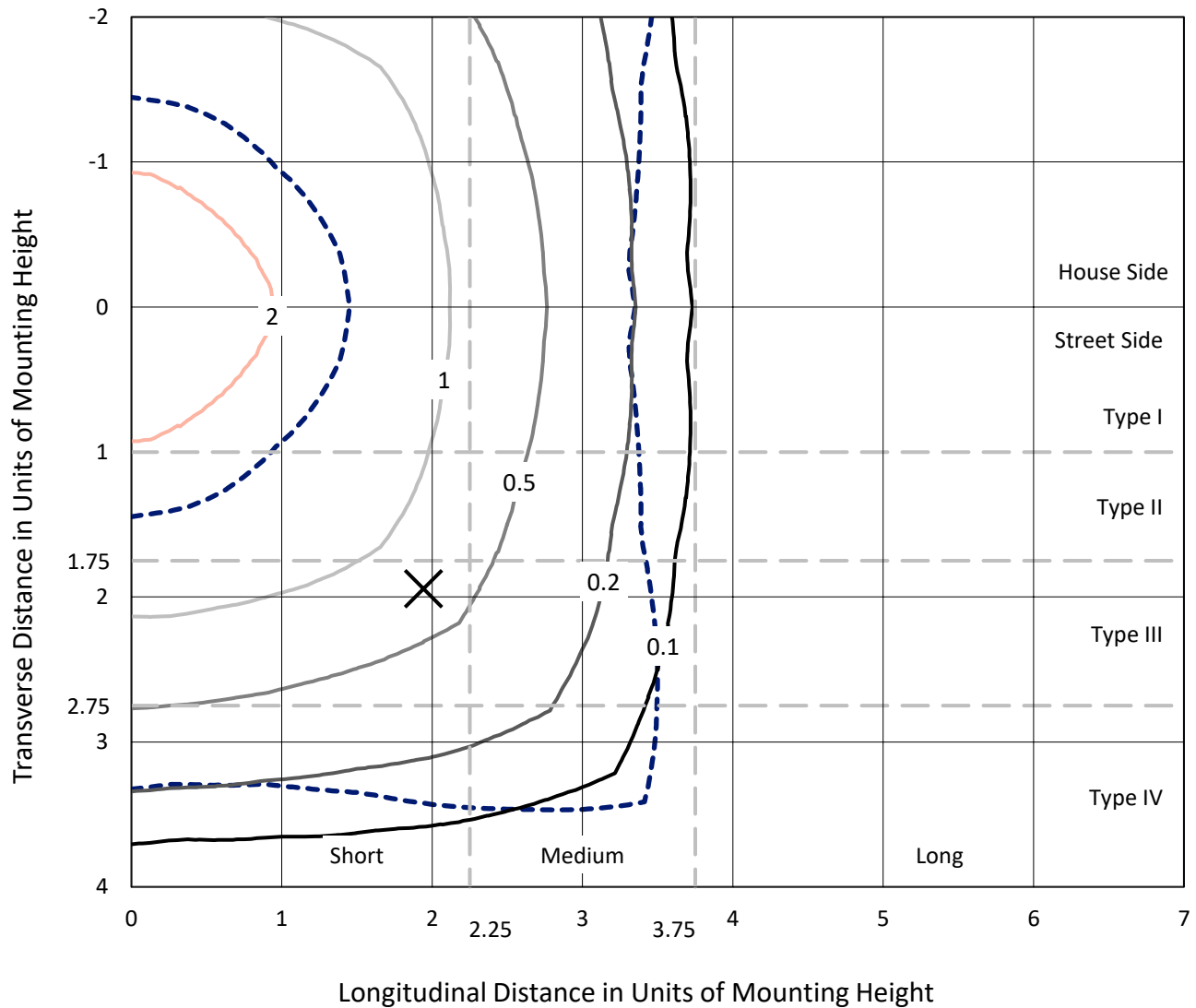


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Iso-Footcandle Lines of Horizontal Illumination

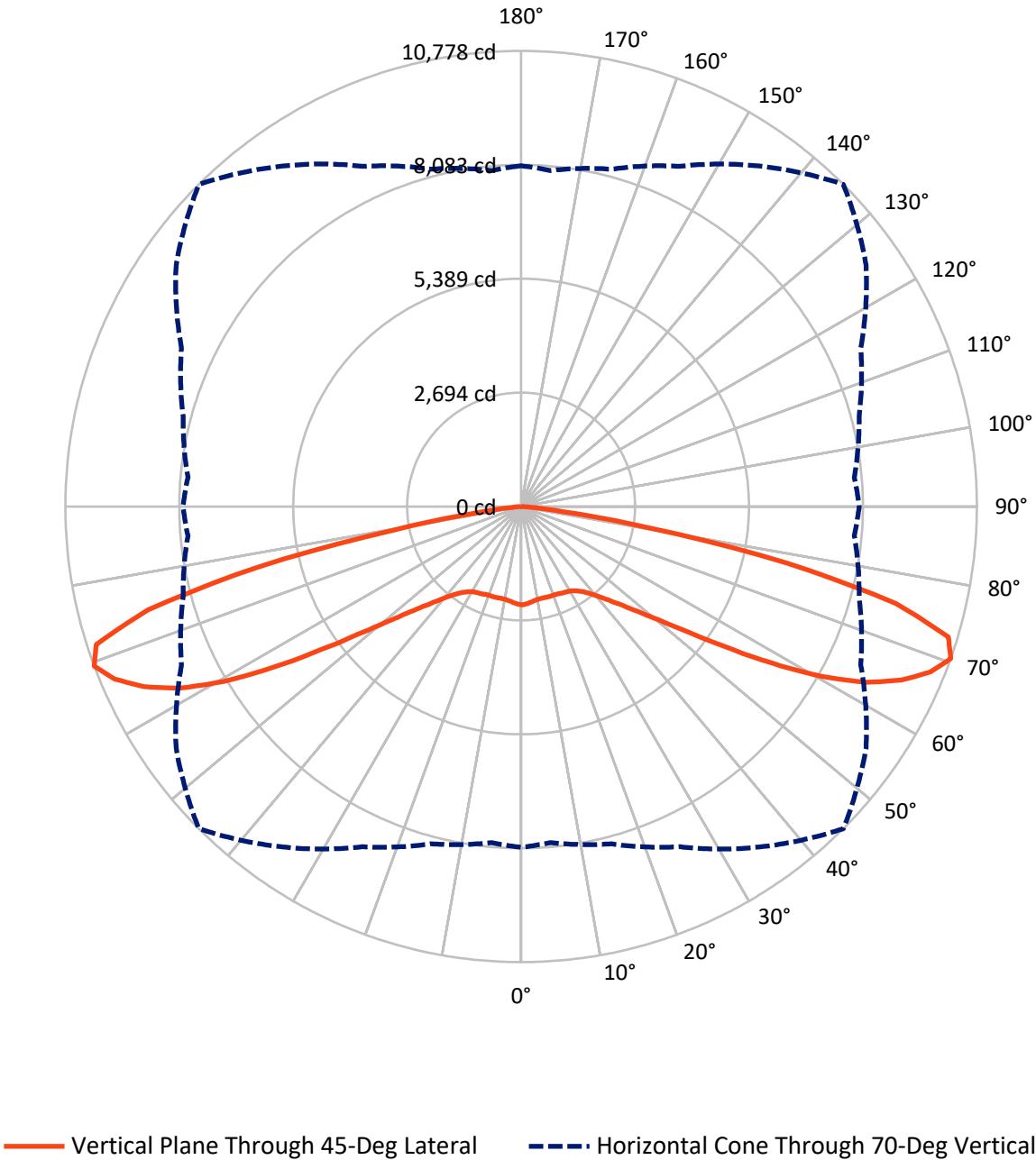
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12760.5	0.0	12760.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12760.5	0.0	12760.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25521.0	0.0	25521.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	0.8
10°-20°	635.9	2.5
20°-30°	1058.2	4.1
30°-40°	1600.3	6.3
40°-50°	2659.3	10.4
50°-60°	5018.0	19.7
60°-70°	8473.2	33.2
70°-80°	5567.8	21.8
80°-90°	291.7	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°	25521.0	100.0
0°-180°	25521.0	100.0

Coefficient of Utilization



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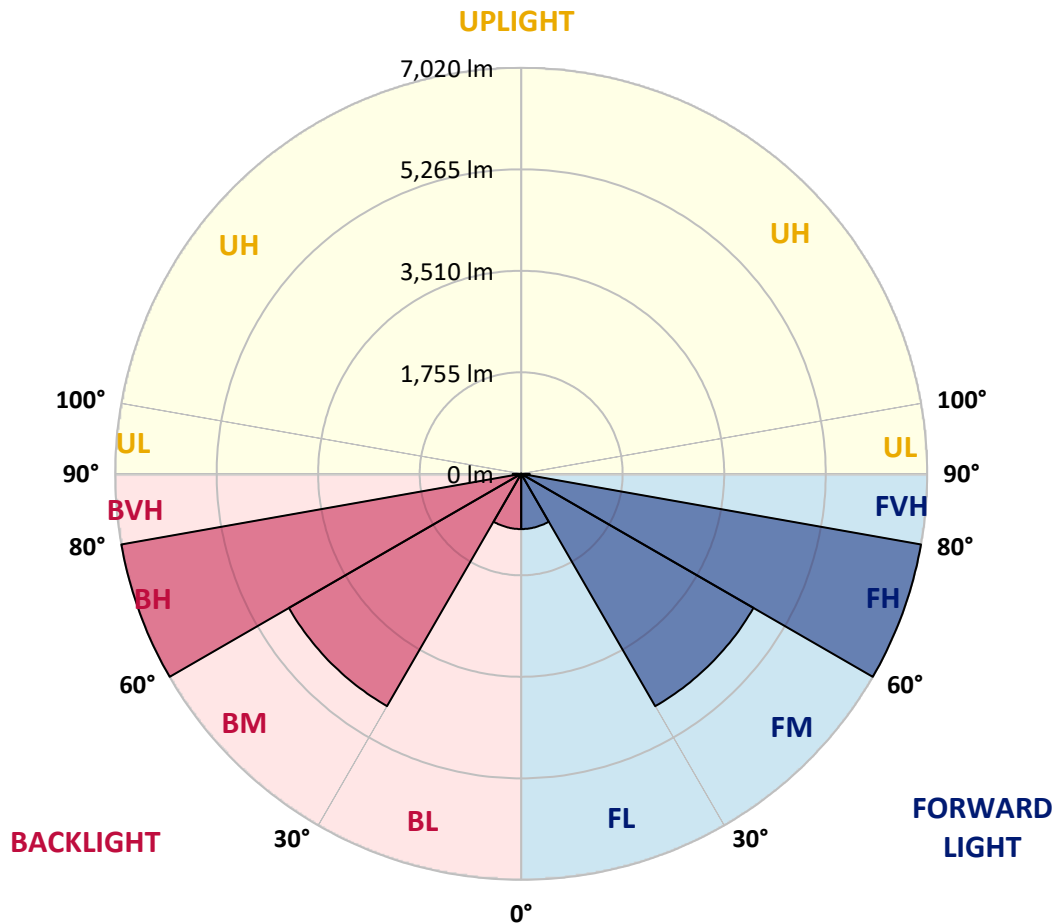
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.3	3.7			
FM	(30°-60°)	4638.8	18.2			
FH	(60°-80°)	7020.5	27.5			G3/7500
FVH	(80°-90°)	145.8	0.6			G2/225
BL	(0°-30°)	955.3	3.7	B2/1000		
BM	(30°-60°)	4638.8	18.2	B3/5000		
BH	(60°-80°)	7020.5	27.5	B5		G3/7500
BVH	(80°-90°)	145.8	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0	2328.0
2.5°	2313.4	2320.1	2317.4	2312.1	2312.1	2308.1	2312.1	2314.8	2318.7	2321.4	2320.1
5°	2282.9	2288.2	2286.9	2282.9	2284.3	2280.3	2282.9	2286.9	2289.6	2290.9	2290.9
7.5°	2256.4	2261.7	2259.1	2252.4	2252.4	2248.4	2249.8	2253.7	2257.7	2259.1	2259.1
10°	2249.8	2255.1	2247.1	2236.5	2232.5	2227.2	2228.5	2232.5	2240.5	2244.5	2244.5
12.5°	2252.4	2256.4	2248.4	2232.5	2228.5	2223.2	2223.2	2227.2	2237.8	2243.1	2244.5
15°	2260.4	2264.4	2252.4	2235.2	2231.2	2227.2	2225.9	2231.2	2243.1	2252.4	2253.7
17.5°	2275.0	2278.9	2260.4	2236.5	2231.2	2232.5	2231.2	2235.2	2253.7	2271.0	2271.0
20°	2288.2	2290.9	2265.7	2236.5	2231.2	2232.5	2231.2	2239.2	2263.0	2286.9	2288.2
22.5°	2292.2	2294.9	2271.0	2245.8	2241.8	2243.1	2241.8	2249.8	2272.3	2296.2	2296.2
25°	2293.5	2297.5	2278.9	2259.1	2265.7	2268.3	2265.7	2267.0	2284.3	2305.5	2304.2
27.5°	2313.4	2318.7	2301.5	2284.3	2288.2	2286.9	2290.9	2294.9	2308.1	2329.4	2324.0
30°	2354.6	2358.5	2343.9	2326.7	2324.0	2314.8	2326.7	2340.0	2354.6	2373.1	2369.2
32.5°	2422.2	2430.2	2411.6	2393.0	2381.1	2375.8	2385.1	2407.6	2427.5	2447.4	2439.5
35°	2535.0	2540.3	2523.0	2488.5	2467.3	2467.3	2475.3	2504.5	2536.3	2561.5	2552.2
37.5°	2694.1	2700.8	2670.3	2629.1	2597.3	2597.3	2607.9	2638.4	2686.2	2722.0	2708.7
40°	2887.8	2897.1	2858.6	2816.2	2785.7	2780.4	2793.6	2828.1	2873.2	2918.3	2903.7
42.5°	3121.3	3131.9	3081.5	3044.3	3020.5	3020.5	3027.1	3058.9	3100.1	3155.8	3151.8
45°	3419.7	3438.3	3369.3	3332.2	3309.6	3315.0	3318.9	3346.8	3383.9	3447.6	3445.0
47.5°	3775.3	3793.8	3720.9	3682.4	3678.4	3703.6	3687.7	3707.6	3727.5	3800.5	3779.2
50°	4178.5	4210.3	4159.9	4157.3	4165.2	4211.7	4174.5	4185.1	4162.6	4209.0	4181.2
52.5°	4672.0	4718.4	4709.1	4725.0	4813.9	4909.4	4824.5	4787.4	4702.5	4717.1	4668.0
55°	5270.2	5340.5	5353.8	5449.3	5650.9	5845.9	5665.5	5515.6	5335.2	5302.1	5250.3
57.5°	5950.7	6006.4	6070.1	6265.1	6641.8	6988.1	6641.8	6310.2	6026.3	5958.7	5910.9
60°	6683.0	6751.9	6813.0	7100.8	7660.6	8147.4	7650.0	7123.4	6748.0	6656.4	6576.8
62.5°	7469.6	7558.5	7600.9	7920.6	8573.2	9154.3	8582.5	7944.5	7528.0	7429.8	7350.2
65°	8224.4	8297.3	8345.1	8686.0	9309.5	9891.8	9351.9	8723.1	8294.7	8166.0	8102.3
67.5°	8575.9	8615.7	8732.4	9118.4	9776.4	10441.0	9887.8	9159.6	8680.7	8455.2	8457.8
70°	8061.2	7980.3	8261.5	8879.7	9832.1	10777.9	9959.5	8861.1	8274.8	7908.7	7996.2
72.5°	6229.3	6090.0	6578.2	7635.4	9195.4	10563.0	9259.1	7695.1	6881.9	6139.1	6323.5
75°	3389.2	3231.4	3905.3	5242.4	7333.0	9155.6	7501.4	5392.3	4348.3	3364.0	3582.9
77.5°	956.4	896.7	1440.6	2536.3	4410.7	6428.3	4580.4	2592.0	1708.5	1013.5	1126.2
80°	293.2	283.9	384.7	764.1	1873.0	3078.8	1800.1	773.4	489.5	309.1	326.3
82.5°	173.8	159.2	191.0	278.6	477.5	967.0	464.3	290.5	233.5	156.5	169.8
85°	99.5	92.9	112.8	135.3	160.5	205.6	134.0	138.0	124.7	83.6	87.5
87.5°	41.1	37.1	43.8	42.4	37.1	47.8	35.8	42.4	50.4	33.2	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)