

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: P942430

Luminaire Tested: **GALN-SB6B-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942430
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-SB6B-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25029 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

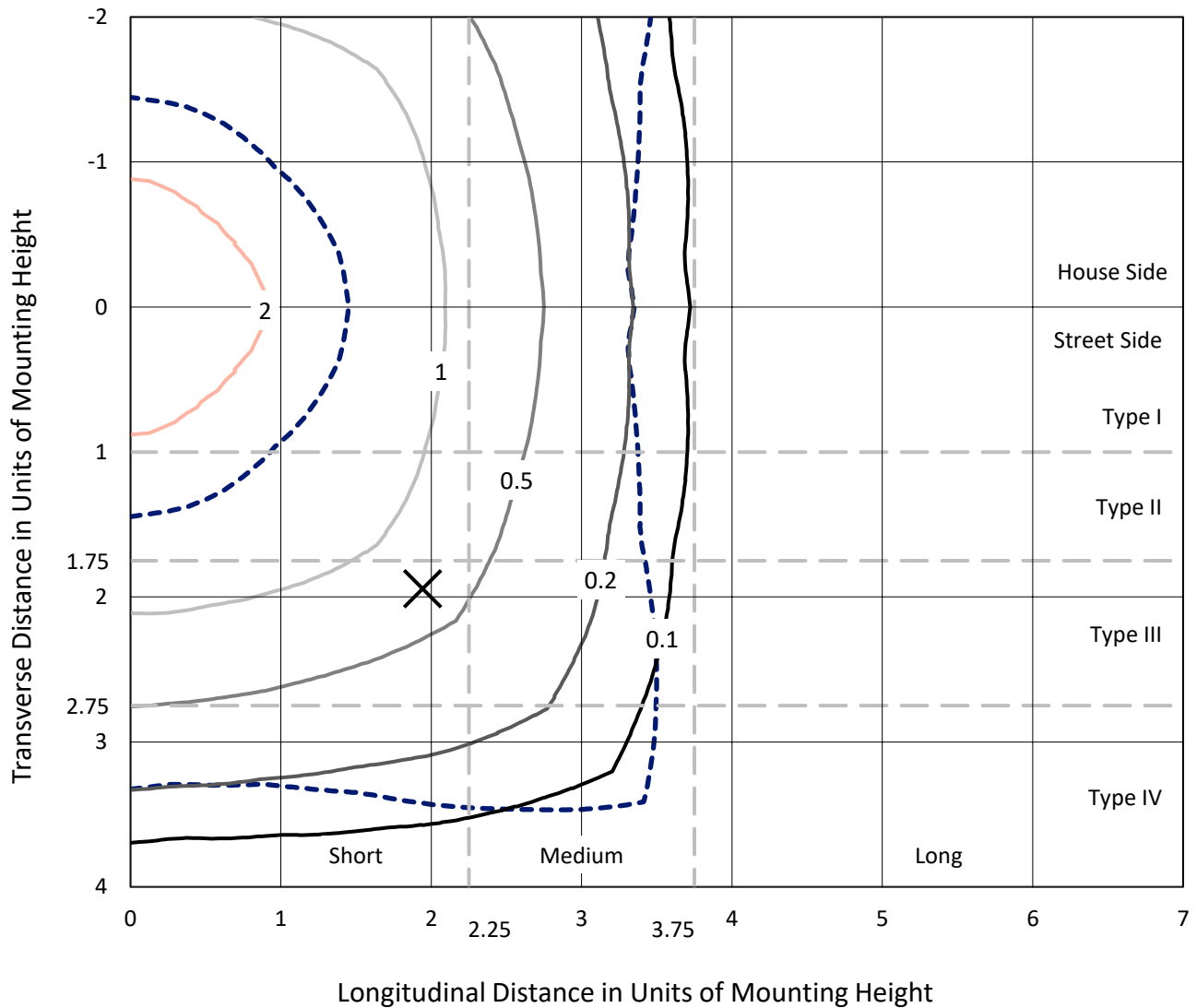
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

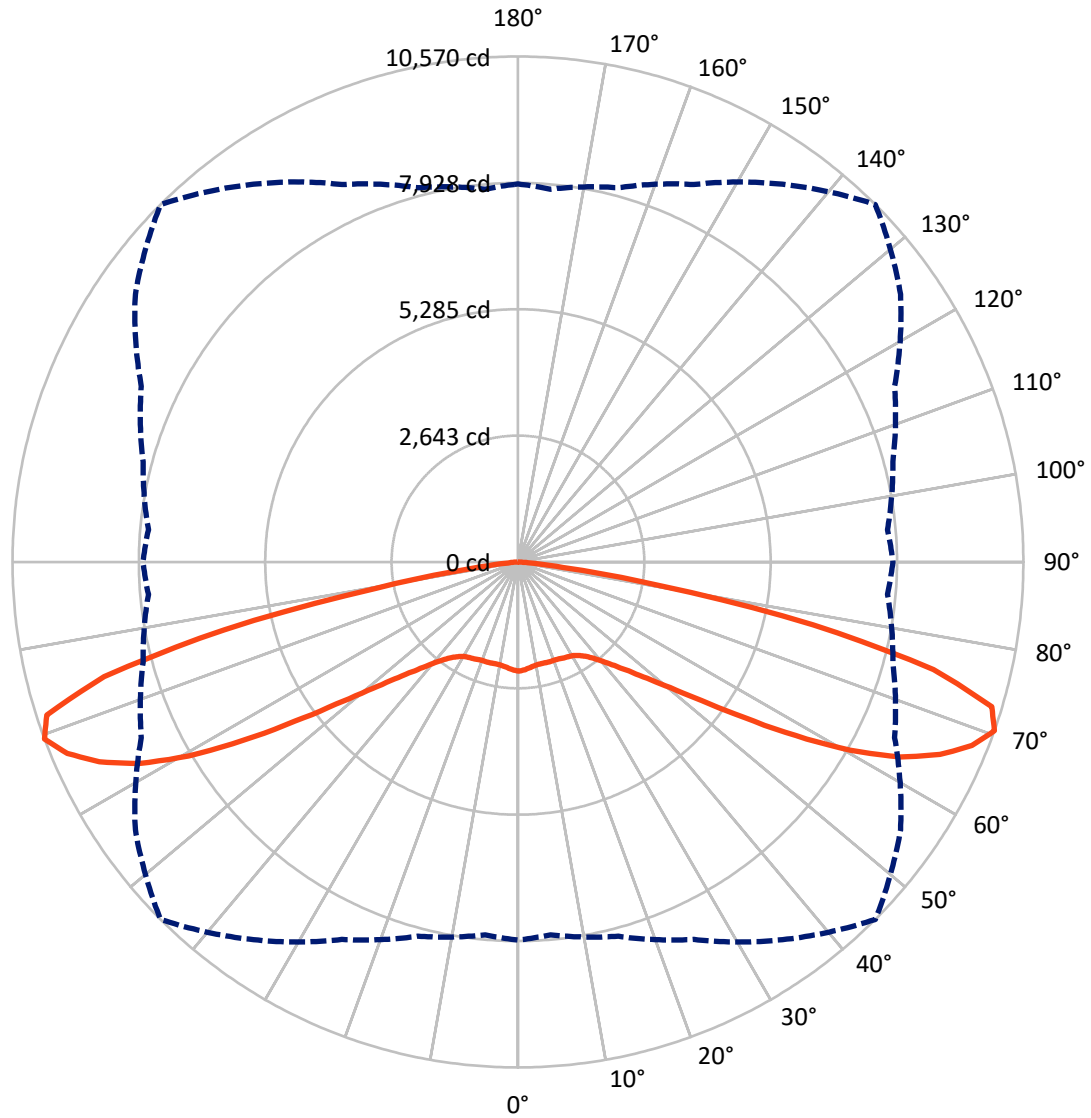
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12514.5	0.0	12514.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12514.5	0.0	12514.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25029.0	0.0	25029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	0.8
10°-20°	623.6	2.5
20°-30°	1037.8	4.1
30°-40°	1569.5	6.3
40°-50°	2608.1	10.4
50°-60°	4921.3	19.7
60°-70°	8309.9	33.2
70°-80°	5460.4	21.8
80°-90°	286.1	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°	25029.0	100.0
0°-180°	25029.0	100.0

Coefficient of Utilization



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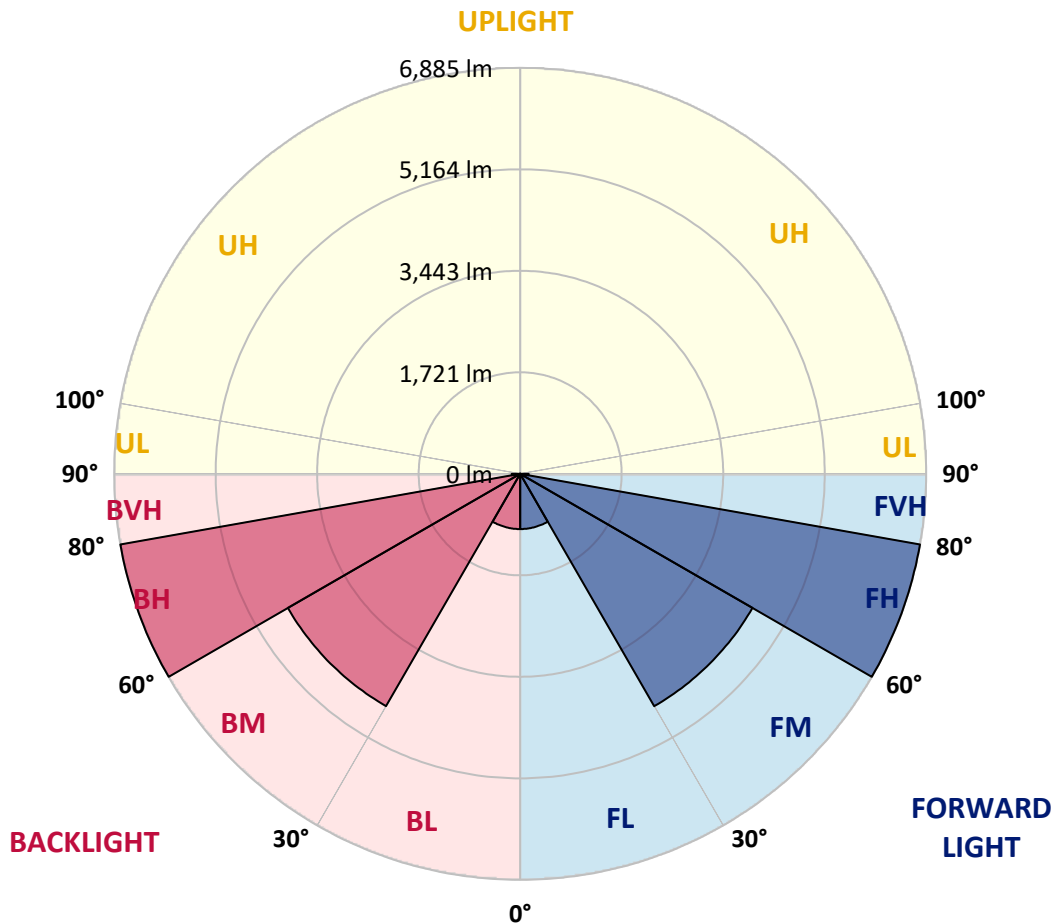
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.9	3.7			
FM (30°-60°)	4549.4	18.2			
FH (60°-80°)	6885.1	27.5			G3/7500
FVH (80°-90°)	143.0	0.6			G2/225
BL (0°-30°)	936.9	3.7	B2/1000		
BM (30°-60°)	4549.4	18.2	B3/5000		
BH (60°-80°)	6885.1	27.5	B5		G3/7500
BVH (80°-90°)	143.0	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°
0°	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1
2.5°	2268.8	2275.3	2272.7	2267.5	2267.5	2263.6	2267.5	2270.1	2274.0	2276.6
5°	2238.9	2244.1	2242.8	2238.9	2240.2	2236.3	2238.9	2242.8	2245.4	2246.7
7.5°	2212.9	2218.1	2215.5	2209.0	2209.0	2205.1	2206.4	2210.3	2214.2	2215.5
10°	2206.4	2211.6	2203.8	2193.4	2189.5	2184.3	2185.6	2189.5	2197.3	2201.2
12.5°	2209.0	2212.9	2205.1	2189.5	2185.6	2180.4	2180.4	2184.3	2194.7	2199.9
15°	2216.8	2220.7	2209.0	2192.1	2188.2	2184.3	2183.0	2188.2	2199.9	2209.0
17.5°	2231.1	2235.0	2216.8	2193.4	2188.2	2189.5	2188.2	2192.1	2210.3	2227.2
20°	2244.1	2246.7	2222.0	2193.4	2188.2	2189.5	2188.2	2196.0	2219.4	2242.8
22.5°	2248.0	2250.6	2227.2	2202.5	2198.6	2199.9	2198.6	2206.4	2228.5	2251.9
25°	2249.3	2253.2	2235.0	2215.5	2222.0	2224.6	2222.0	2223.3	2240.2	2261.0
27.5°	2268.8	2274.0	2257.1	2240.2	2244.1	2242.8	2246.7	2250.6	2263.6	2284.4
30°	2309.2	2313.1	2298.8	2281.8	2279.2	2270.1	2281.8	2294.9	2309.2	2327.4
32.5°	2375.5	2383.3	2365.1	2346.9	2335.2	2330.0	2339.1	2361.2	2380.7	2400.2
35°	2486.1	2491.3	2474.4	2440.6	2419.7	2419.7	2427.6	2456.2	2487.4	2512.1
37.5°	2642.2	2648.7	2618.8	2578.5	2547.2	2547.2	2557.6	2587.6	2634.4	2669.5
40°	2832.1	2841.3	2803.5	2761.9	2732.0	2726.8	2739.8	2773.6	2817.8	2862.1
42.5°	3061.1	3071.5	3022.1	2985.7	2962.2	2962.2	2968.7	3000.0	3040.3	3094.9
45°	3353.8	3372.0	3304.4	3268.0	3245.8	3251.0	3255.0	3282.3	3318.7	3381.1
47.5°	3702.5	3720.7	3649.1	3611.4	3607.5	3632.2	3616.6	3636.1	3655.6	3727.2
50°	4098.0	4129.2	4079.7	4077.1	4084.9	4130.5	4094.1	4104.5	4082.3	4127.9
52.5°	4581.9	4627.4	4618.3	4633.9	4721.1	4814.8	4731.5	4695.1	4611.8	4626.1
55°	5168.6	5237.6	5250.6	5344.3	5542.0	5733.2	5556.3	5409.3	5232.4	5199.9
57.5°	5836.0	5890.7	5953.1	6144.3	6513.8	6853.3	6513.8	6188.6	5910.2	5843.8
60°	6554.1	6621.8	6681.6	6963.9	7512.9	7990.4	7502.5	6986.0	6617.9	6528.1
62.5°	7325.6	7412.8	7454.4	7767.9	8408.0	8977.8	8417.1	7791.3	7382.8	7286.6
65°	8065.8	8137.4	8184.2	8518.6	9130.0	9701.1	9171.6	8555.0	8134.8	8008.6
67.5°	8410.6	8449.6	8564.1	8942.7	9587.9	10239.7	9697.2	8983.0	8513.3	8292.2
70°	7905.8	7826.5	8102.3	8708.5	9642.6	10570.1	9767.5	8690.3	8115.3	7756.2
72.5°	6109.2	5972.6	6451.4	7488.2	9018.1	10359.4	9080.6	7546.7	6749.3	6020.7
75°	3323.9	3169.1	3830.0	5141.3	7191.6	8979.1	7356.8	5288.3	4264.5	3299.2
77.5°	938.0	879.4	1412.8	2487.4	4325.6	6304.4	4492.1	2542.0	1675.6	993.9
80°	287.5	278.4	377.3	749.3	1836.9	3019.5	1765.4	758.4	480.0	303.1
82.5°	170.4	156.1	187.3	273.2	468.3	948.4	455.3	284.9	229.0	153.5
85°	97.6	91.1	110.6	132.7	157.4	201.6	131.4	135.3	122.3	82.0
87.5°	40.3	36.4	42.9	41.6	36.4	46.8	35.1	41.6	49.4	32.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2283.1
2275.3
2246.7
2215.5
2201.2
2201.2
2210.3
2227.2
2244.1
2251.9
2259.7
2279.2
2323.5
2392.4
2503.0
2656.5
2847.8
3091.0
3378.5
3706.4
4100.6
4578.0
5149.1
5797.0
6450.1
7208.5
7946.1
8294.8
7842.1
6201.6
3513.8
1104.5
320.0
166.5
85.9
29.9
0.0

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