

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: P952580

Luminaire Tested: **GALN-SB6B-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952580
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-SB6B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21781 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

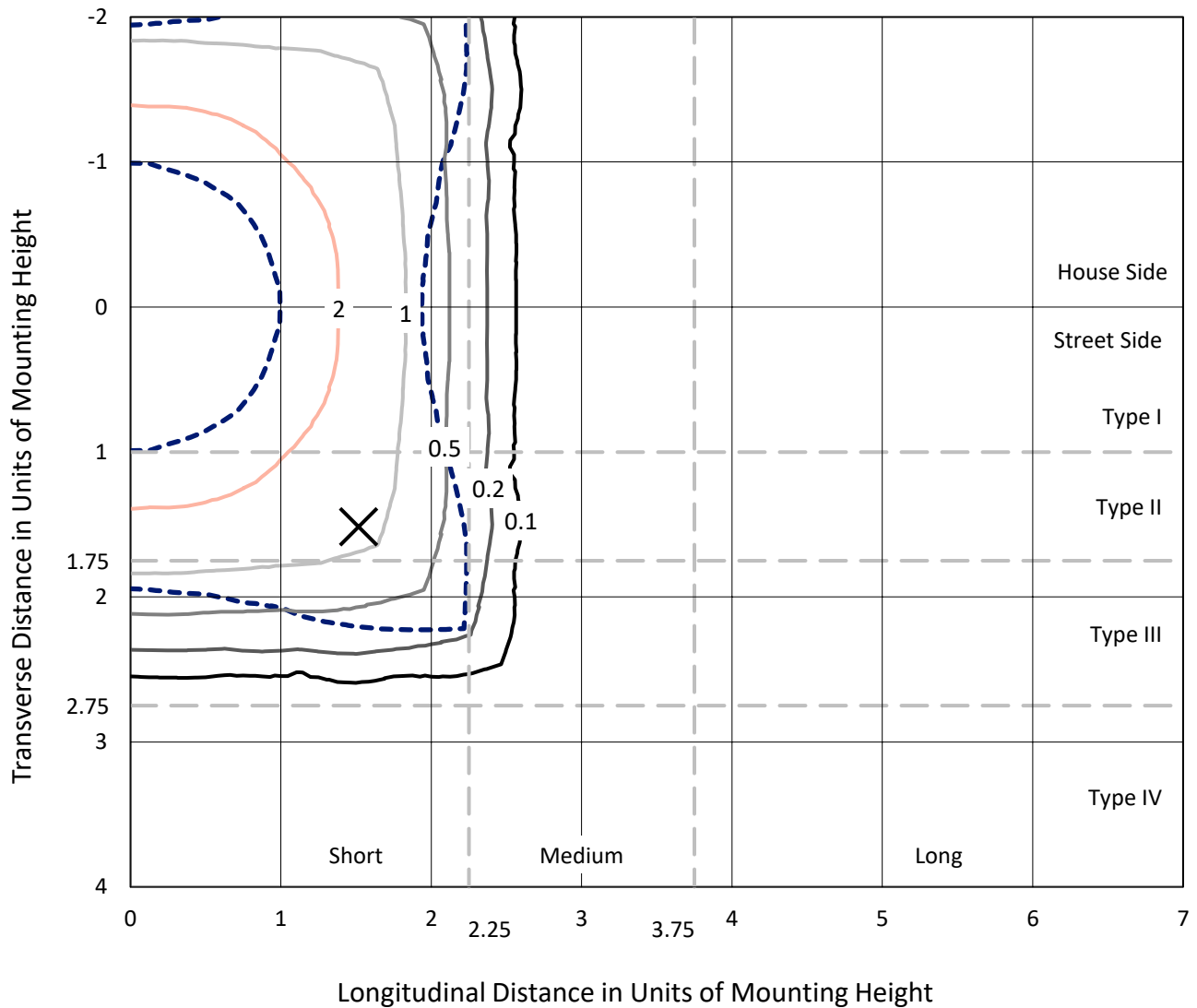
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

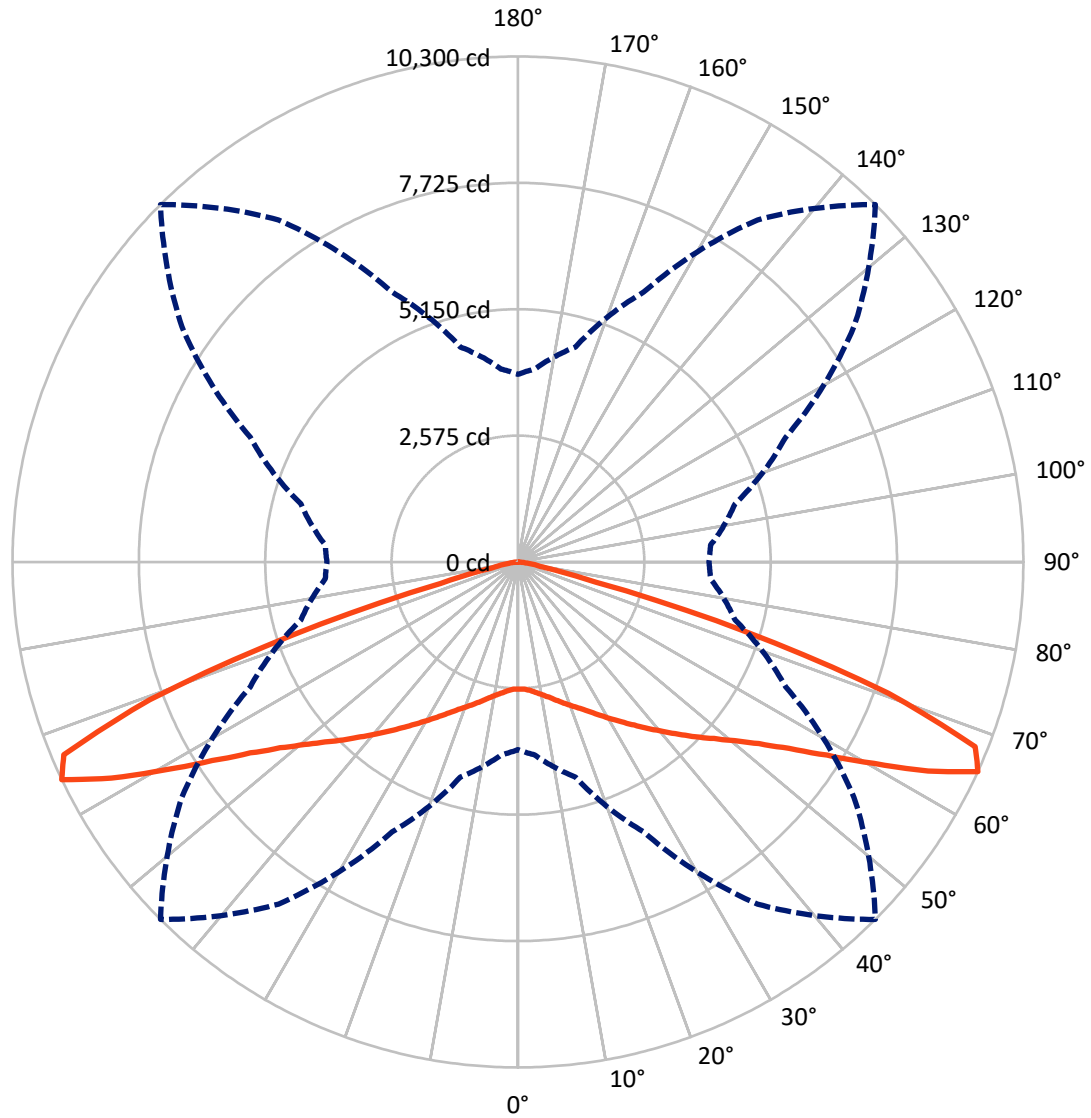
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	10890.5	0.0	10890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10890.5	0.0	10890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21781.0	0.0	21781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.2
10°-20°	834.8	3.8
20°-30°	1576.1	7.2
30°-40°	2580.9	11.8
40°-50°	4001.6	18.4
50°-60°	5911.3	27.1
60°-70°	5627.0	25.8
70°-80°	908.0	4.2
80°-90°	85.6	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°	21781.0	100.0
0°-180°	21781.0	100.0

Coefficient of Utilization



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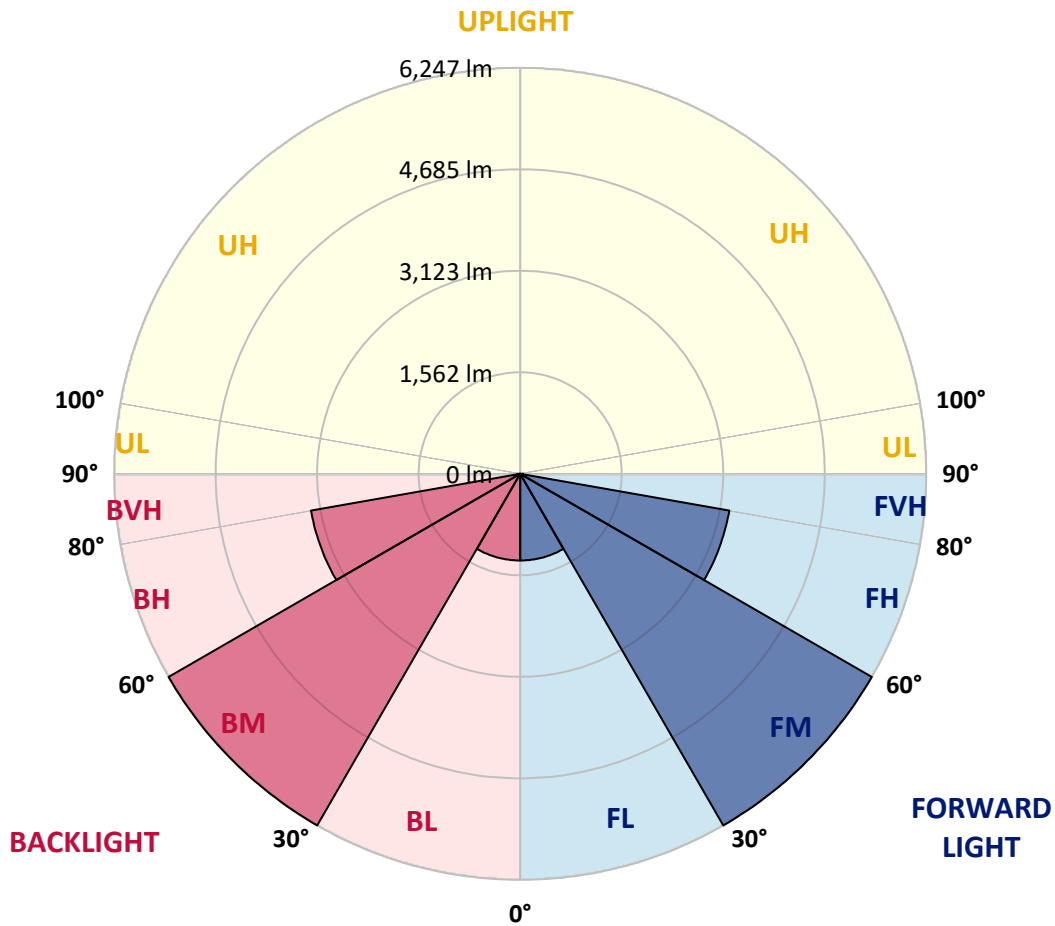
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1333.4	6.1			
FM (30°-60°)	6246.9	28.7			
FH (60°-80°)	3267.5	15.0			G2/5000
FVH (80°-90°)	42.8	0.2			G1/100
BL (0°-30°)	1333.4	6.1	B3/2500		
BM (30°-60°)	6246.9	28.7	B4/8500		
BH (60°-80°)	3267.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	42.8	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°	2592.2	2592.2	2592.2	2592.2	2592.2	2592.2	2592.2	2592.2	2592.2	2592.2
2.5°	2609.6	2600.9	2607.5	2602.0	2597.6	2593.2	2595.4	2603.1	2606.4	2607.5
5°	2644.6	2637.0	2640.2	2640.2	2632.6	2630.4	2631.5	2637.0	2643.5	2643.5
7.5°	2701.4	2693.8	2701.4	2697.1	2690.5	2688.3	2687.2	2691.6	2701.4	2701.4
10°	2770.3	2761.5	2765.9	2763.7	2756.1	2752.8	2751.7	2758.3	2767.0	2765.9
12.5°	2845.7	2835.9	2841.3	2834.8	2832.6	2829.3	2829.3	2828.2	2833.7	2829.3
15°	2929.8	2923.3	2925.5	2921.1	2924.4	2922.2	2913.4	2909.1	2911.3	2904.7
17.5°	3029.3	3014.0	3021.6	3019.4	3019.4	3023.8	3009.6	3004.1	3008.5	3002.0
20°	3144.0	3128.7	3132.0	3127.6	3122.2	3126.5	3109.1	3113.4	3116.7	3112.3
22.5°	3269.7	3250.0	3248.9	3251.1	3239.1	3240.2	3228.2	3239.1	3245.7	3233.6
25°	3398.7	3377.9	3392.1	3386.6	3371.3	3374.6	3365.9	3376.8	3382.3	3367.0
27.5°	3535.3	3521.0	3534.2	3537.4	3518.9	3532.0	3518.9	3528.7	3534.2	3511.2
30°	3694.8	3680.6	3692.6	3701.4	3679.5	3700.3	3689.3	3695.9	3697.0	3669.7
32.5°	3868.6	3846.7	3877.3	3881.7	3857.6	3882.8	3868.6	3877.3	3882.8	3845.6
35°	4080.6	4053.3	4088.2	4082.8	4062.0	4082.8	4069.6	4082.8	4095.9	4051.1
37.5°	4309.0	4280.6	4317.7	4307.9	4288.2	4302.4	4294.8	4303.5	4324.3	4276.2
40°	4560.3	4525.3	4575.6	4558.1	4539.6	4537.4	4541.7	4547.2	4574.5	4521.0
42.5°	4829.1	4792.0	4867.4	4840.1	4813.8	4796.4	4810.6	4821.5	4847.7	4787.6
45°	5136.2	5093.6	5192.0	5159.2	5117.7	5081.6	5104.5	5120.9	5159.2	5087.1
47.5°	5475.0	5426.9	5531.8	5522.0	5454.2	5375.6	5428.0	5475.0	5503.4	5416.0
50°	5806.1	5769.0	5906.7	5918.7	5835.6	5725.3	5798.5	5869.5	5877.2	5762.4
52.5°	6116.5	6079.3	6279.3	6354.7	6280.4	6149.3	6226.9	6299.0	6241.1	6092.4
55°	6364.6	6334.0	6588.6	6783.1	6808.2	6700.0	6745.9	6743.8	6553.6	6325.2
57.5°	6424.7	6420.3	6741.6	7153.6	7415.8	7429.0	7338.3	7106.6	6696.8	6389.7
60°	6151.5	6178.8	6620.3	7347.0	8046.4	8337.1	7944.8	7283.6	6533.9	6107.7
62.5°	5334.0	5406.2	5938.4	7110.9	8555.6	9381.8	8431.1	7014.8	5865.1	5308.9
65°	3822.7	3948.3	4536.3	6068.4	8509.7	10299.8	8361.1	6019.2	4580.0	3938.5
67.5°	1734.3	1862.2	2361.6	4154.9	7397.3	10050.6	7379.8	4198.6	2479.6	1868.7
70°	628.4	650.2	810.9	1663.3	4727.5	8008.1	4929.7	1675.3	862.2	692.8
72.5°	380.3	383.6	417.5	595.6	1642.5	4861.9	1712.4	615.3	426.2	378.1
75°	241.5	239.3	297.2	363.9	582.5	1640.3	610.9	363.9	296.2	269.9
77.5°	173.8	179.2	213.1	272.1	367.2	556.2	360.6	260.1	213.1	174.9
80°	130.0	133.3	155.2	212.0	257.9	346.4	229.5	192.3	160.6	109.3
82.5°	94.0	94.0	101.6	154.1	157.4	186.9	124.6	135.5	106.0	77.6
85°	55.7	54.6	63.4	91.8	82.0	68.8	56.8	83.1	66.7	48.1
87.5°	19.7	20.8	19.7	26.2	21.9	18.6	17.5	22.9	18.6	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2592.2
2607.5
2643.5
2698.2
2763.7
2831.5
2905.8
3007.4
3122.2
3245.7
3384.4
3528.7
3686.1
3870.8
4078.4
4305.7
4538.5
4819.3
5124.2
5445.5
5776.6
6096.8
6332.9
6370.0
6057.5
5276.1
3891.5
1841.4
684.1
384.7
272.1
178.1
112.6
77.6
47.0
15.3
0.0

OF REPORT)