

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: P952223

Luminaire Tested: **GALN-SB6A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952223
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-SB6A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17351 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

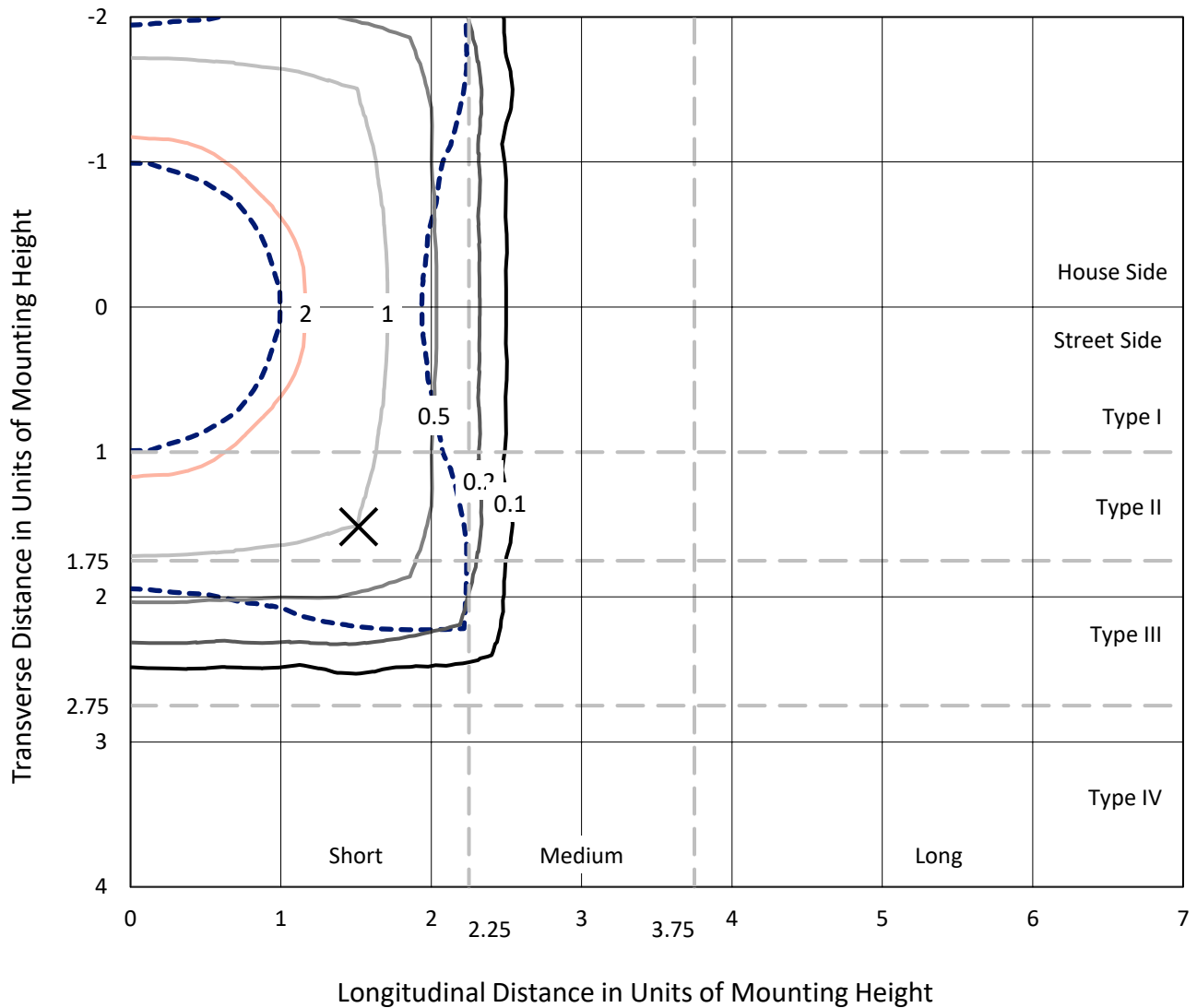
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

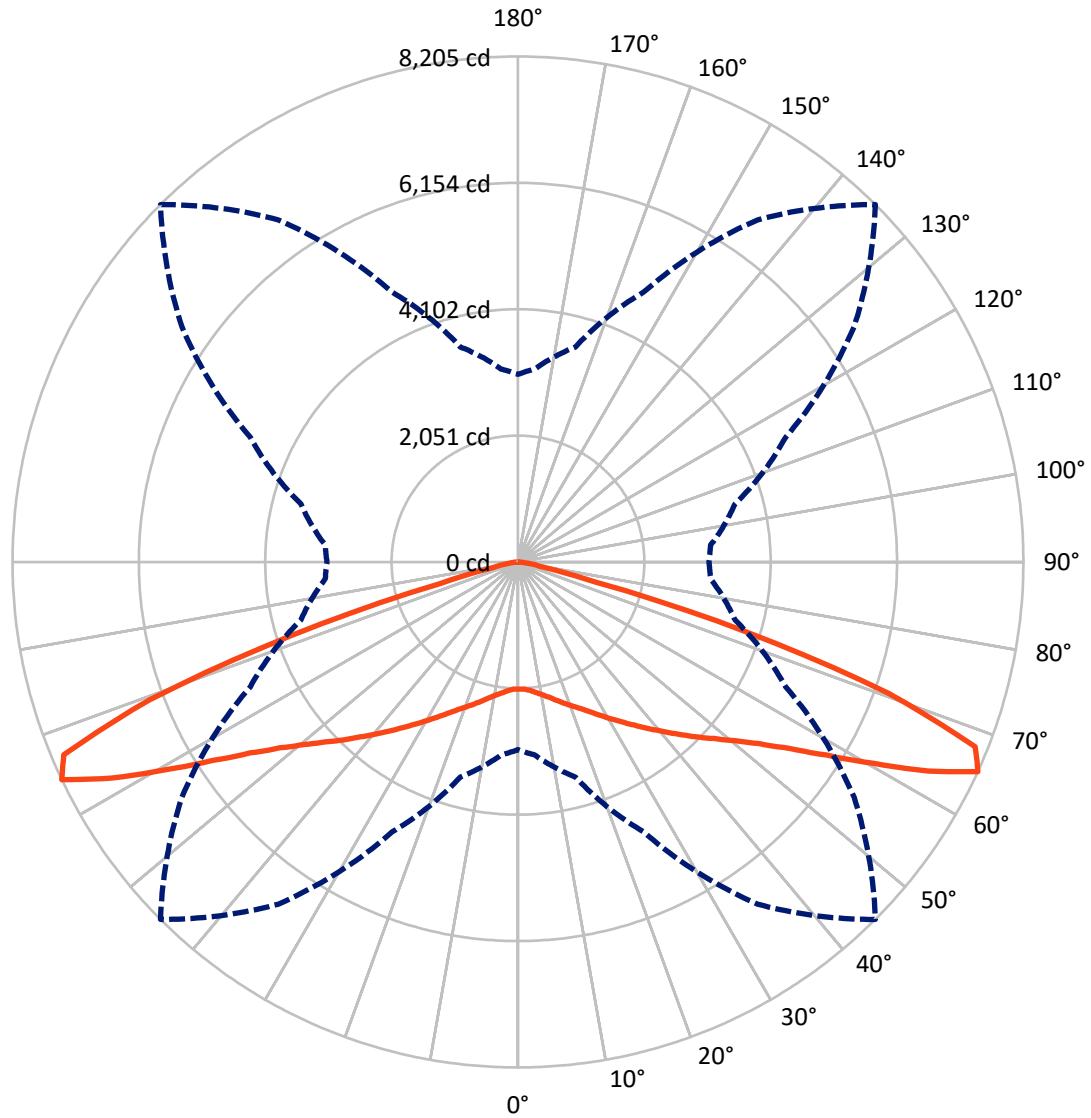
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	8675.5	0.0	8675.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8675.5	0.0	8675.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17351.0	0.0	17351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	1.2
10°-20°	665.0	3.8
20°-30°	1255.6	7.2
30°-40°	2055.9	11.8
40°-50°	3187.8	18.4
50°-60°	4709.0	27.1
60°-70°	4482.5	25.8
70°-80°	723.3	4.2
80°-90°	68.2	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°	17351.0	100.0
0°-180°	17351.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952223

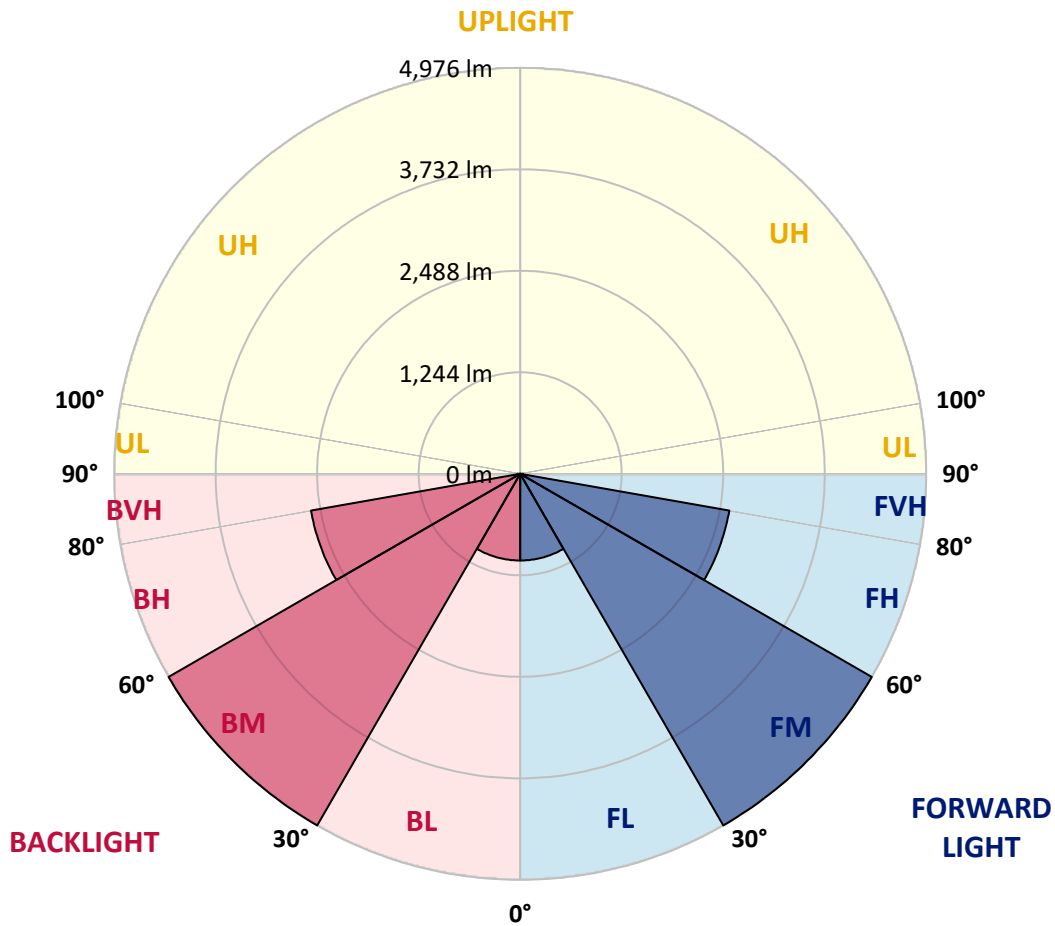
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1062.2	6.1			
FM (30°-60°)	4976.3	28.7			
FH (60°-80°)	2602.9	15.0			G2/5000
FVH (80°-90°)	34.1	0.2			G1/100
BL (0°-30°)	1062.2	6.1	B3/2500		
BM (30°-60°)	4976.3	28.7	B3/5000		
BH (60°-80°)	2602.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	34.1	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°	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9	2064.9
2.5°	2078.9	2071.9	2077.1	2072.8	2069.3	2065.8	2067.6	2073.6	2076.3	2077.1
5°	2106.7	2100.6	2103.2	2103.2	2097.2	2095.4	2096.3	2100.6	2105.9	2105.9
7.5°	2152.0	2145.9	2152.0	2148.5	2143.3	2141.6	2140.7	2144.2	2152.0	2152.0
10°	2206.8	2199.9	2203.4	2201.6	2195.5	2192.9	2192.0	2197.3	2204.2	2203.4
12.5°	2266.9	2259.1	2263.4	2258.2	2256.5	2253.9	2253.9	2253.0	2257.3	2253.9
15°	2333.9	2328.7	2330.5	2327.0	2329.6	2327.8	2320.9	2317.4	2319.1	2313.9
17.5°	2413.2	2401.0	2407.1	2405.3	2405.3	2408.8	2397.5	2393.1	2396.6	2391.4
20°	2504.6	2492.4	2495.0	2491.5	2487.2	2490.6	2476.7	2480.2	2482.8	2479.3
22.5°	2604.7	2589.0	2588.1	2589.9	2580.3	2581.2	2571.6	2580.3	2585.5	2576.0
25°	2707.4	2690.9	2702.2	2697.8	2685.6	2688.3	2681.3	2690.0	2694.3	2682.2
27.5°	2816.2	2804.9	2815.4	2818.0	2803.2	2813.6	2803.2	2811.0	2815.4	2797.1
30°	2943.3	2932.0	2941.6	2948.5	2931.1	2947.7	2939.0	2944.2	2945.1	2923.3
32.5°	3081.7	3064.3	3088.7	3092.2	3073.0	3093.1	3081.7	3088.7	3093.1	3063.5
35°	3250.6	3228.9	3256.7	3252.4	3235.8	3252.4	3241.9	3252.4	3262.8	3227.1
37.5°	3432.6	3409.9	3439.5	3431.7	3416.0	3427.4	3421.3	3428.2	3444.8	3406.5
40°	3632.8	3604.9	3645.0	3631.1	3616.3	3614.5	3618.0	3622.4	3644.1	3601.5
42.5°	3847.0	3817.4	3877.4	3855.7	3834.8	3820.8	3832.2	3840.9	3861.8	3813.9
45°	4091.6	4057.6	4136.0	4109.9	4076.8	4048.1	4066.3	4079.4	4109.9	4052.4
47.5°	4361.5	4323.1	4406.7	4398.9	4344.9	4282.2	4324.0	4361.5	4384.1	4314.4
50°	4625.2	4595.6	4705.3	4714.9	4648.7	4560.8	4619.1	4675.7	4681.8	4590.4
52.5°	4872.5	4842.9	5002.2	5062.2	5003.0	4898.6	4960.4	5017.8	4971.7	4853.3
55°	5070.1	5045.7	5248.5	5403.5	5423.5	5337.3	5373.9	5372.2	5220.7	5038.7
57.5°	5118.0	5114.5	5370.4	5698.6	5907.5	5918.0	5845.7	5661.2	5334.7	5090.1
60°	4900.3	4922.1	5273.8	5852.7	6409.9	6641.4	6328.9	5802.2	5205.0	4865.5
62.5°	4249.2	4306.6	4730.6	5664.7	6815.5	7473.7	6716.3	5588.1	4672.2	4229.1
65°	3045.2	3145.3	3613.6	4834.2	6779.0	8204.9	6660.6	4795.0	3648.5	3137.5
67.5°	1381.6	1483.4	1881.3	3309.8	5892.7	8006.4	5878.8	3344.6	1975.3	1488.6
70°	500.6	518.0	645.9	1325.0	3766.0	6379.4	3927.0	1334.6	686.9	551.9
72.5°	303.0	305.6	332.5	474.4	1308.4	3873.1	1364.2	490.1	339.5	301.2
75°	192.4	190.7	236.8	289.9	464.0	1306.7	486.6	289.9	235.9	215.0
77.5°	138.4	142.8	169.8	216.8	292.5	443.1	287.3	207.2	169.8	139.3
80°	103.6	106.2	123.6	168.9	205.4	276.0	182.8	153.2	128.0	87.1
82.5°	74.9	74.9	81.0	122.7	125.4	148.9	99.2	107.9	84.4	61.8
85°	44.4	43.5	50.5	73.1	65.3	54.8	45.3	66.2	53.1	38.3
87.5°	15.7	16.5	15.7	20.9	17.4	14.8	13.9	18.3	14.8	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2064.9
2077.1
2105.9
2149.4
2201.6
2255.6
2314.8
2395.8
2487.2
2585.5
2696.1
2811.0
2936.4
3083.5
3248.9
3430.0
3615.4
3839.1
4082.0
4337.9
4601.7
4856.8
5044.8
5074.4
4825.5
4203.0
3100.0
1466.9
545.0
306.4
216.8
141.9
89.7
61.8
37.4
12.2
0.0

OF REPORT)