

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: P956255

Luminaire Tested: **GALN-SB9A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956255
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-SB9A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35369 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 255.5
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

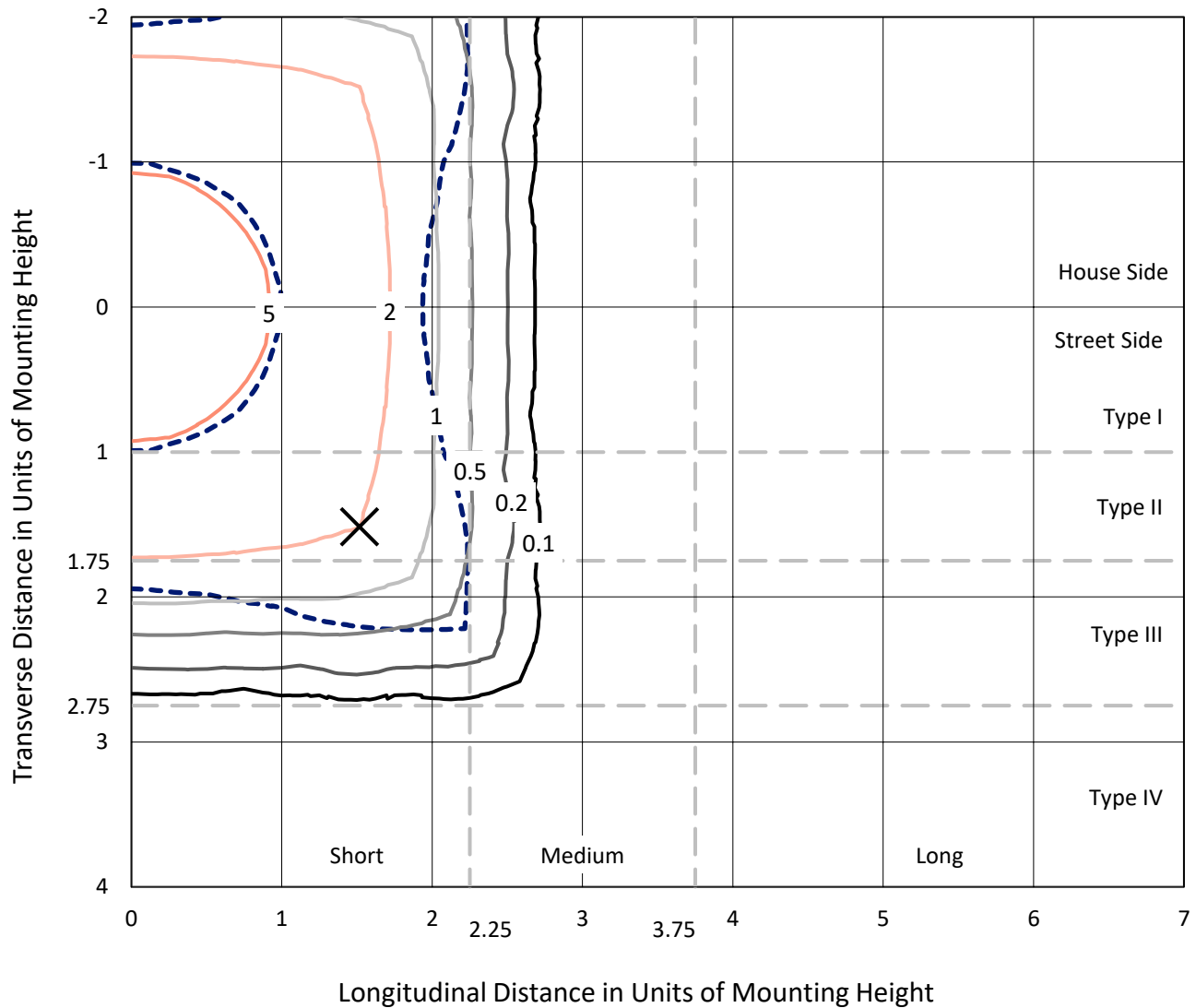


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

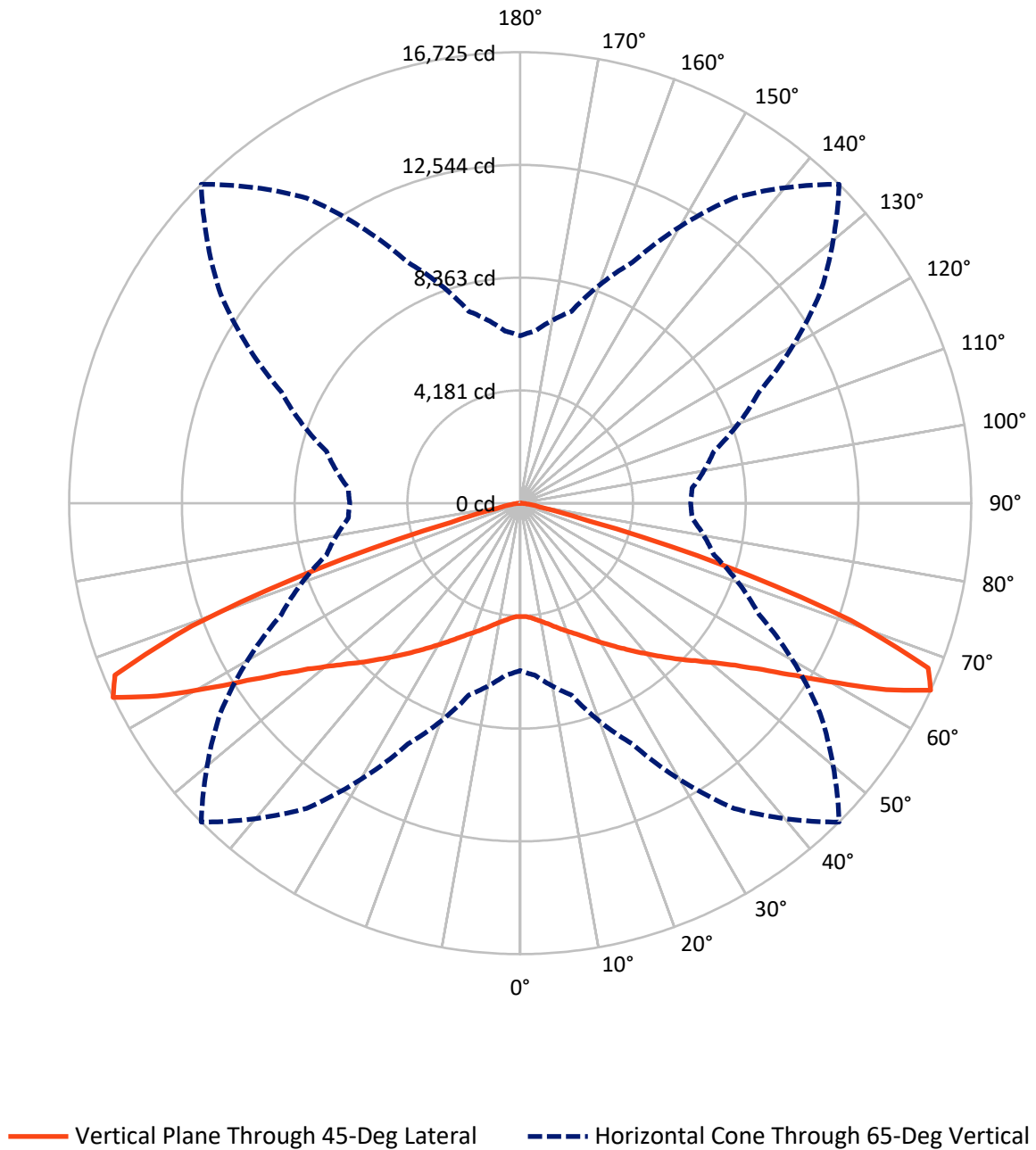


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17684.5	0.0	17684.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17684.5	0.0	17684.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35369.0	0.0	35369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.4	1.2
10°-20°	1355.5	3.8
20°-30°	2559.4	7.2
30°-40°	4190.9	11.8
40°-50°	6498.0	18.4
50°-60°	9599.0	27.1
60°-70°	9137.3	25.8
70°-80°	1474.4	4.2
80°-90°	139.0	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°	35369.0	100.0
0°-180°	35369.0	100.0

Coefficient of Utilization



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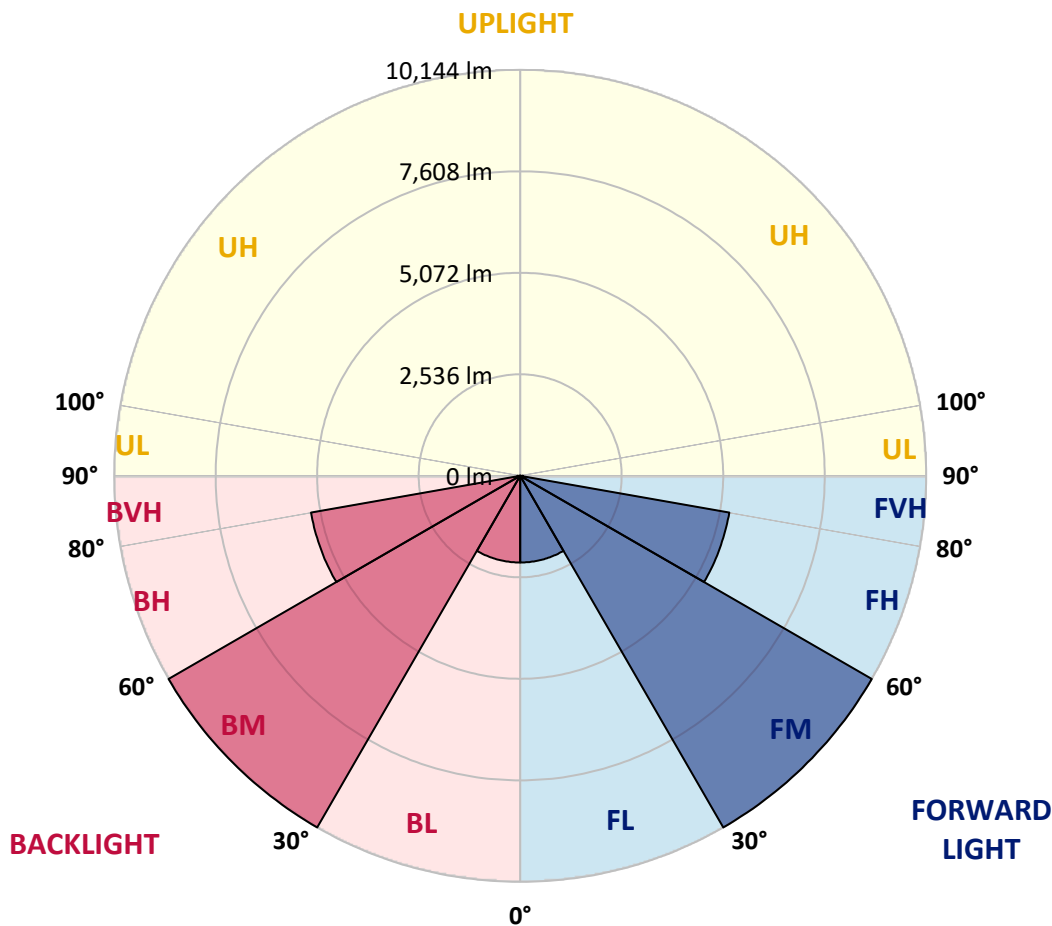
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2165.2	6.1			
FM	(30°-60°)	10144.0	28.7			
FH	(60°-80°)	5305.9	15.0			G3/7500
FVH	(80°-90°)	69.5	0.2			G1/100
BL	(0°-30°)	2165.2	6.1	B3/2500		
BM	(30°-60°)	10144.0	28.7	B5		
BH	(60°-80°)	5305.9	15.0	B5		G3/7500
BVH	(80°-90°)	69.5	0.2			G1/100
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°	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3	4209.3
2.5°	4237.7	4223.5	4234.1	4225.2	4218.1	4211.0	4214.6	4227.0	4232.3	4234.1	4234.1
5°	4294.4	4282.0	4287.3	4287.3	4274.9	4271.4	4273.1	4282.0	4292.7	4292.7	4292.7
7.5°	4386.7	4374.3	4386.7	4379.6	4369.0	4365.4	4363.7	4370.8	4386.7	4386.7	4381.4
10°	4498.5	4484.3	4491.4	4487.9	4475.4	4470.1	4468.4	4479.0	4493.2	4491.4	4487.9
12.5°	4621.0	4605.0	4613.9	4603.2	4599.7	4594.3	4594.3	4592.6	4601.4	4594.3	4597.9
15°	4757.6	4747.0	4750.5	4743.4	4748.7	4745.2	4731.0	4723.9	4727.4	4716.8	4718.6
17.5°	4919.1	4894.2	4906.7	4903.1	4903.1	4910.2	4887.1	4878.3	4885.4	4874.7	4883.6
20°	5105.4	5080.6	5085.9	5078.8	5069.9	5077.0	5048.6	5055.7	5061.1	5054.0	5069.9
22.5°	5309.5	5277.6	5275.8	5279.3	5259.8	5261.6	5242.1	5259.8	5270.5	5250.9	5270.5
25°	5518.9	5485.2	5508.2	5499.4	5474.5	5479.9	5465.7	5483.4	5492.3	5467.4	5495.8
27.5°	5740.7	5717.6	5738.9	5744.3	5714.1	5735.4	5714.1	5730.1	5738.9	5701.7	5730.1
30°	5999.8	5976.7	5996.3	6010.4	5975.0	6008.7	5990.9	6001.6	6003.3	5959.0	5985.6
32.5°	6282.0	6246.5	6296.2	6303.2	6264.2	6305.0	6282.0	6296.2	6305.0	6244.7	6285.5
35°	6626.2	6581.9	6638.6	6629.8	6596.1	6629.8	6608.5	6629.8	6651.1	6578.3	6622.7
37.5°	6997.1	6951.0	7011.3	6995.3	6963.4	6986.5	6974.0	6988.2	7021.9	6943.9	6991.8
40°	7405.3	7348.5	7430.1	7401.7	7371.5	7368.0	7375.1	7384.0	7428.3	7341.4	7369.8
42.5°	7841.8	7781.5	7903.9	7859.5	7817.0	7788.6	7811.6	7829.4	7872.0	7774.4	7825.8
45°	8340.4	8271.2	8431.0	8377.7	8310.3	8251.7	8289.0	8315.6	8377.7	8260.6	8320.9
47.5°	8890.6	8812.5	8982.8	8966.9	8856.8	8729.1	8814.3	8890.6	8936.7	8794.7	8842.7
50°	9428.3	9367.9	9591.5	9611.0	9476.2	9296.9	9415.8	9531.2	9543.6	9357.3	9380.3
52.5°	9932.2	9871.9	10196.6	10319.1	10198.4	9985.5	10111.5	10228.6	10134.5	9893.2	9900.3
55°	10335.1	10285.4	10698.8	11014.7	11055.5	10879.8	10954.4	10950.8	10642.1	10271.2	10283.6
57.5°	10432.7	10425.6	10947.3	11616.3	12042.2	12063.5	11916.2	11540.0	10874.5	10375.9	10343.9
60°	9989.0	10033.4	10750.3	11930.4	13066.1	13538.1	12901.1	11827.5	10610.1	9918.0	9836.4
62.5°	8661.6	8778.8	9643.0	11547.1	13893.1	15234.6	13690.8	11390.9	9524.1	8620.8	8567.6
65°	6207.4	6411.5	7366.2	9854.2	13818.5	16725.3	13577.2	9774.3	7437.2	6395.5	6319.2
67.5°	2816.2	3023.9	3834.8	6746.9	12012.0	16320.7	11983.6	6817.9	4026.5	3034.5	2990.1
70°	1020.4	1055.9	1316.7	2700.9	7676.8	13004.0	8005.1	2720.4	1400.1	1125.1	1110.9
72.5°	617.5	622.9	677.9	967.1	2667.2	7895.0	2780.7	999.1	692.1	614.0	624.6
75°	392.2	388.6	482.7	590.9	945.8	2663.6	992.0	590.9	480.9	438.3	441.9
77.5°	282.2	291.0	346.0	441.9	596.3	903.3	585.6	422.3	346.0	283.9	289.3
80°	211.2	216.5	252.0	344.3	418.8	562.5	372.7	312.3	260.9	177.5	182.8
82.5°	152.6	152.6	165.0	250.2	255.5	303.5	202.3	220.0	172.1	126.0	126.0
85°	90.5	88.7	102.9	149.1	133.1	111.8	92.3	134.9	108.2	78.1	76.3
87.5°	31.9	33.7	31.9	42.6	35.5	30.2	28.4	37.3	30.2	26.6	24.8
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)