

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: P956296

Luminaire Tested: **GALN-SB9A-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42789 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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



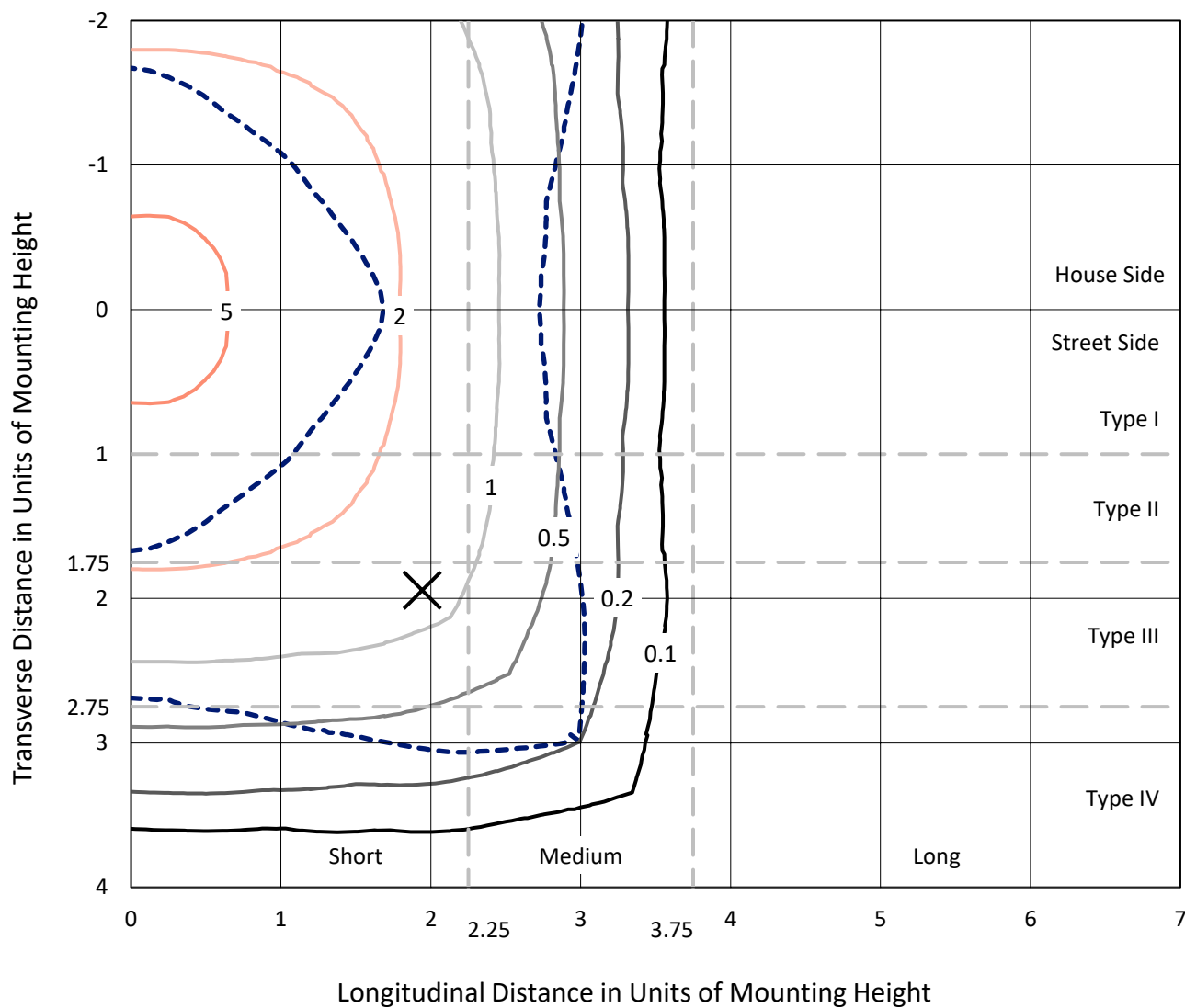
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

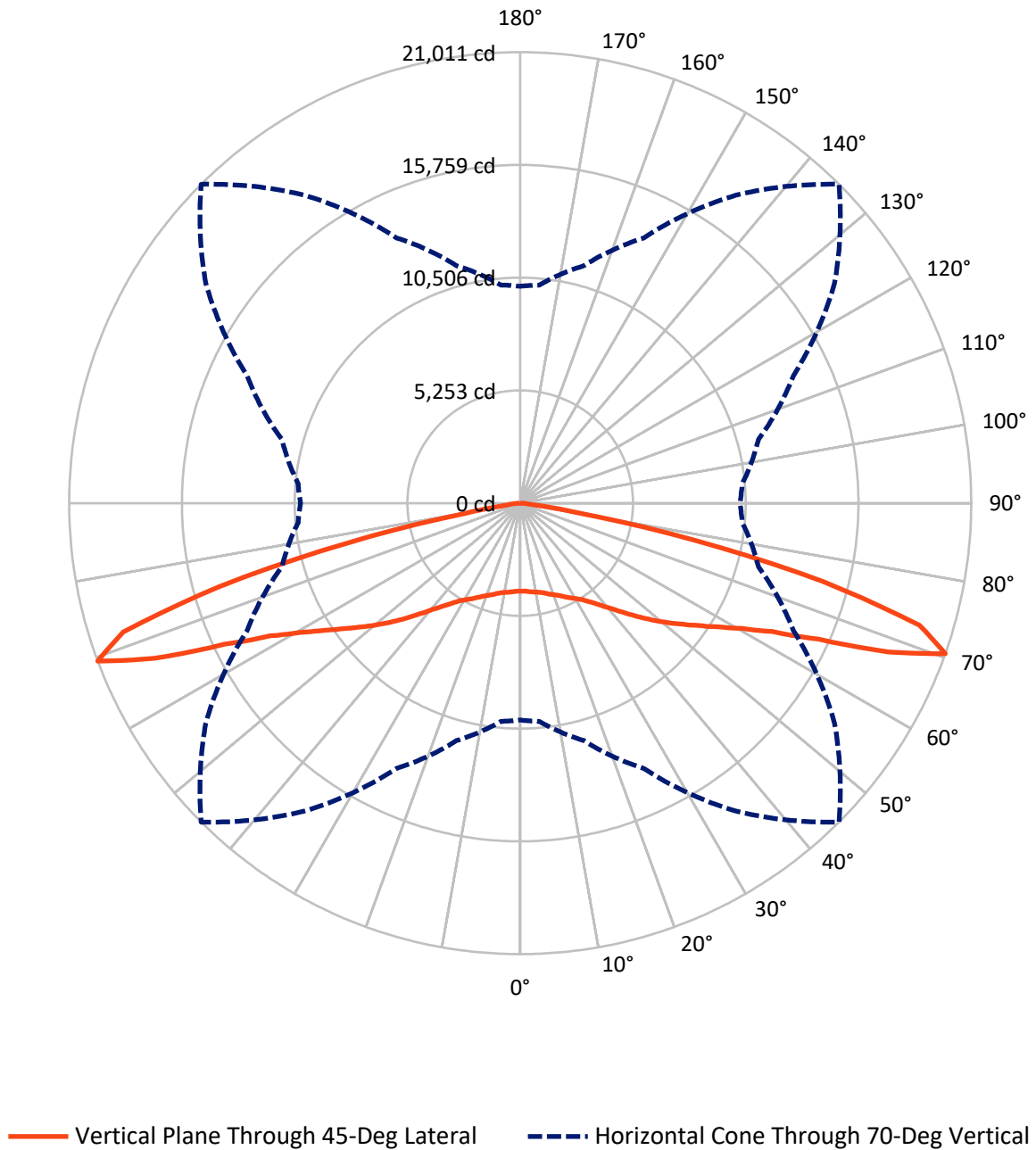


Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21394.5	0.0	21394.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21394.5	0.0	21394.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42789.0	0.0	42789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.2	0.9
10°-20°	1234.8	2.9
20°-30°	2206.6	5.2
30°-40°	3576.9	8.4
40°-50°	5826.3	13.6
50°-60°	8883.1	20.8
60°-70°	13215.2	30.9
70°-80°	7202.7	16.8
80°-90°	245.3	0.6
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°	42789.0	100.0
0°-180°	42789.0	100.0

Coefficient of Utilization



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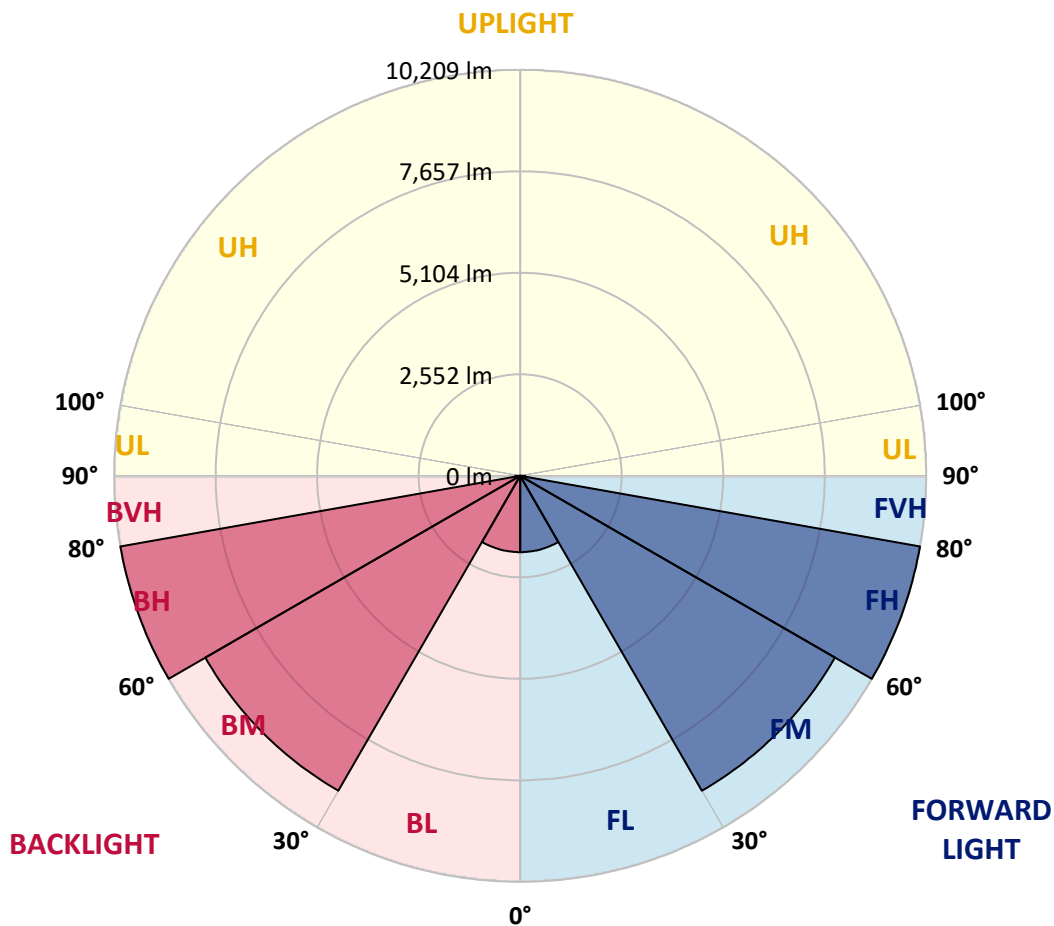
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1919.8	4.5			
FM	(30°-60°)	9143.1	21.4			
FH	(60°-80°)	10208.9	23.9			G4/12000
FVH	(80°-90°)	122.6	0.3			G2/225
BL	(0°-30°)	1919.8	4.5	B3/2500		
BM	(30°-60°)	9143.1	21.4	B5		
BH	(60°-80°)	10208.9	23.9	B5		G4/12000
BVH	(80°-90°)	122.6	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7	4098.7
2.5°	4118.1	4122.4	4113.8	4109.5	4105.2	4098.7	4100.9	4111.6	4120.2	4118.1	4120.2
5°	4152.4	4156.7	4150.3	4148.2	4139.6	4137.4	4137.4	4148.2	4154.6	4150.3	4152.4
7.5°	4191.1	4197.6	4186.8	4184.7	4180.4	4176.1	4173.9	4184.7	4191.1	4191.1	4191.1
10°	4227.6	4234.1	4225.5	4219.0	4214.7	4214.7	4210.4	4219.0	4229.8	4227.6	4227.6
12.5°	4266.3	4270.6	4262.0	4257.7	4257.7	4264.2	4257.7	4262.0	4270.6	4266.3	4264.2
15°	4313.6	4315.7	4313.6	4320.0	4330.7	4352.2	4332.9	4328.6	4332.9	4322.2	4322.2
17.5°	4378.0	4382.3	4390.9	4405.9	4421.0	4459.6	4425.3	4414.5	4414.5	4393.0	4393.0
20°	4457.5	4463.9	4476.8	4502.6	4521.9	4558.5	4524.1	4509.0	4502.6	4474.7	4474.7
22.5°	4541.3	4552.0	4571.3	4605.7	4640.1	4674.5	4640.1	4614.3	4595.0	4558.5	4556.3
25°	4637.9	4650.8	4680.9	4736.8	4784.0	4833.4	4792.6	4741.1	4702.4	4650.8	4648.7
27.5°	4775.4	4790.5	4827.0	4895.7	4955.9	4998.8	4960.2	4893.6	4839.9	4777.6	4775.4
30°	4968.8	4983.8	5026.8	5099.8	5140.6	5168.5	5142.8	5091.2	5026.8	4955.9	4955.9
32.5°	5217.9	5237.3	5284.5	5353.3	5361.9	5366.2	5357.6	5331.8	5284.5	5198.6	5200.8
35°	5533.7	5555.2	5608.9	5664.8	5656.2	5664.8	5651.9	5643.3	5608.9	5510.1	5510.1
37.5°	5920.4	5946.2	6002.0	6045.0	6023.5	6012.8	6014.9	6017.1	5997.7	5888.2	5888.2
40°	6369.4	6403.7	6444.6	6489.7	6453.2	6420.9	6442.4	6459.6	6442.4	6330.7	6330.7
42.5°	6831.2	6880.6	6923.6	6988.1	6958.0	6917.2	6947.2	6966.6	6930.1	6809.8	6818.3
45°	7344.7	7391.9	7447.8	7544.4	7523.0	7480.0	7523.0	7527.3	7465.0	7323.2	7338.2
47.5°	7875.3	7924.7	8008.4	8137.3	8128.7	8081.5	8137.3	8107.3	8027.8	7858.1	7847.3
50°	8377.9	8446.7	8575.6	8756.0	8773.2	8715.2	8790.4	8732.4	8599.2	8386.5	8382.2
52.5°	8850.5	8923.6	9127.7	9372.5	9434.8	9359.7	9460.6	9359.7	9159.9	8887.1	8861.3
55°	9346.8	9428.4	9671.1	9991.2	10115.8	10060.0	10154.5	10002.0	9718.4	9387.6	9342.5
57.5°	9931.1	9980.5	10270.5	10650.7	10861.2	10874.1	10917.1	10659.3	10315.6	9939.7	9888.1
60°	10564.8	10633.5	10949.3	11404.7	11737.7	11845.1	11800.0	11417.6	11018.1	10586.3	10517.5
62.5°	11376.8	11452.0	11830.1	12375.7	12902.0	13168.4	12992.2	12438.0	11943.9	11426.2	11336.0
65°	12049.2	12133.0	12816.1	13789.2	14747.3	15282.2	14839.7	13819.3	12929.9	12199.6	12079.3
67.5°	11561.5	11664.7	12736.6	14523.9	16906.2	18502.3	16987.9	14743.0	13000.8	12010.5	11862.3
70°	10105.1	10201.7	11452.0	13636.7	17514.2	21011.4	17879.4	14038.4	11492.8	10384.3	10236.1
72.5°	6708.8	7020.3	8285.6	10906.4	15638.8	19443.3	15793.5	10685.1	7686.2	6693.8	6476.8
75°	2225.5	2474.7	3338.3	5654.0	10474.6	14541.1	9971.9	5003.1	2644.4	1903.3	1800.2
77.5°	560.7	646.6	891.5	1617.6	4178.2	8279.1	3761.5	1321.1	719.6	502.7	449.0
80°	272.8	300.7	429.6	539.2	1046.2	2631.5	981.7	507.0	339.4	262.1	240.6
82.5°	150.4	152.5	242.7	305.0	388.8	681.0	403.9	296.4	195.5	159.0	159.0
85°	92.4	90.2	128.9	163.3	163.3	242.7	193.3	163.3	111.7	98.8	103.1
87.5°	36.5	36.5	47.3	51.6	45.1	62.3	49.4	53.7	43.0	40.8	43.0
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)