

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: P956405

Luminaire Tested: **GALN-SB9A-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36586 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

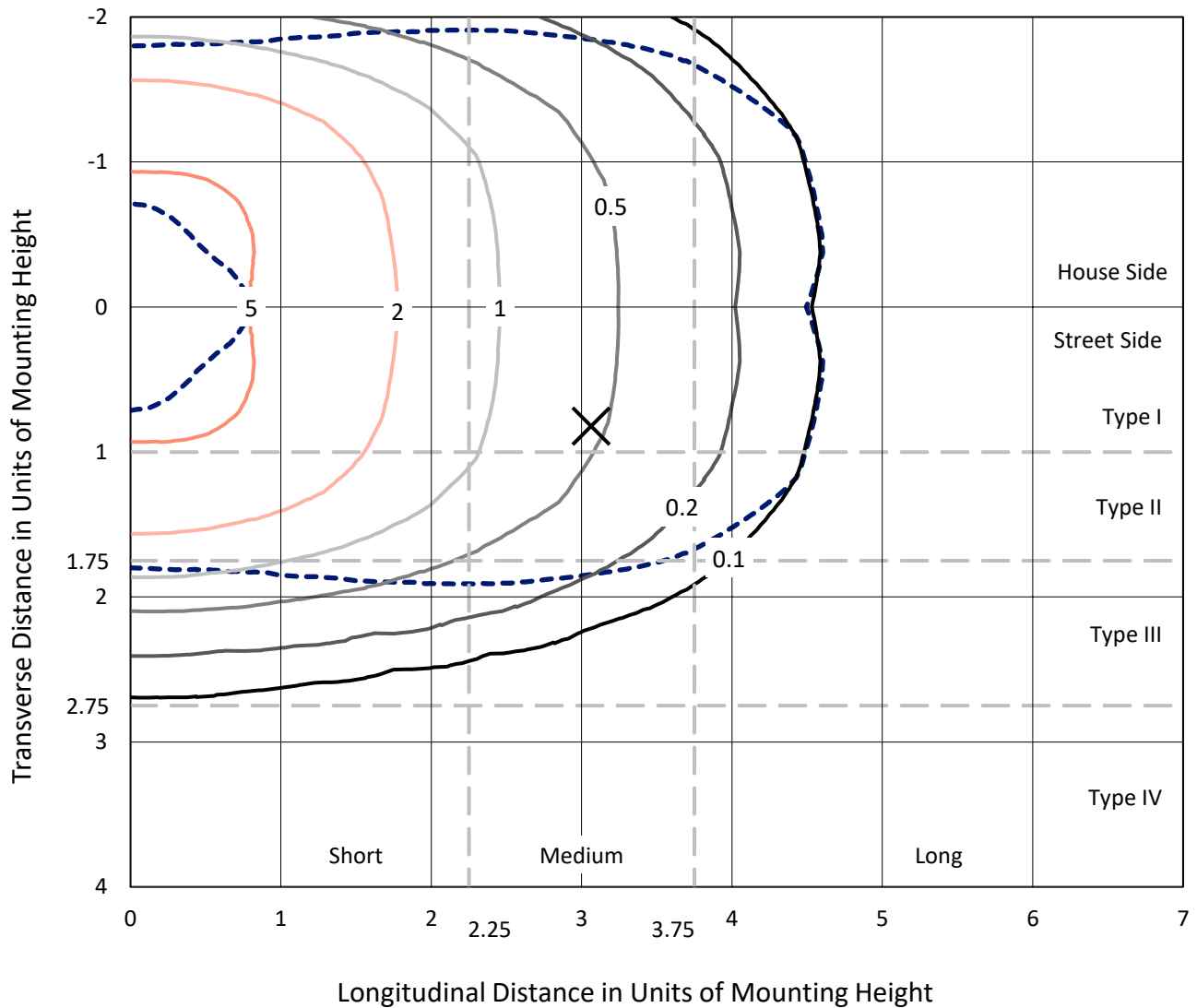
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

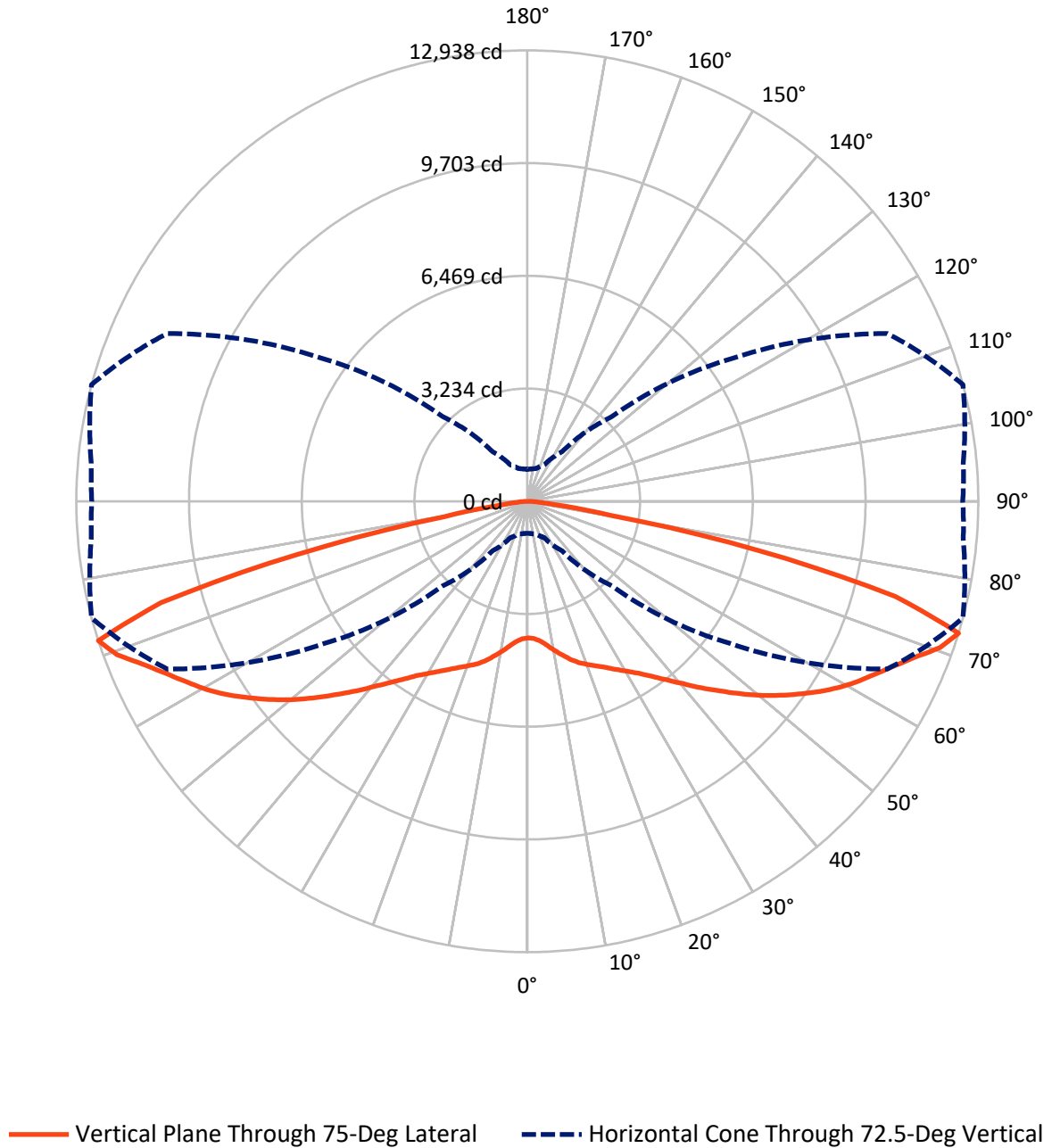
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18293.0	0.0	18293.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18293.0	0.0	18293.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36586.0	0.0	36586.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	1.0
10°-20°	1266.2	3.5
20°-30°	2446.6	6.7
30°-40°	4131.3	11.3
40°-50°	6551.8	17.9
50°-60°	8772.1	24.0
60°-70°	8348.2	22.8
70°-80°	4356.2	11.9
80°-90°	329.7	0.9
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°	36586.0	100.0
0°-180°	36586.0	100.0

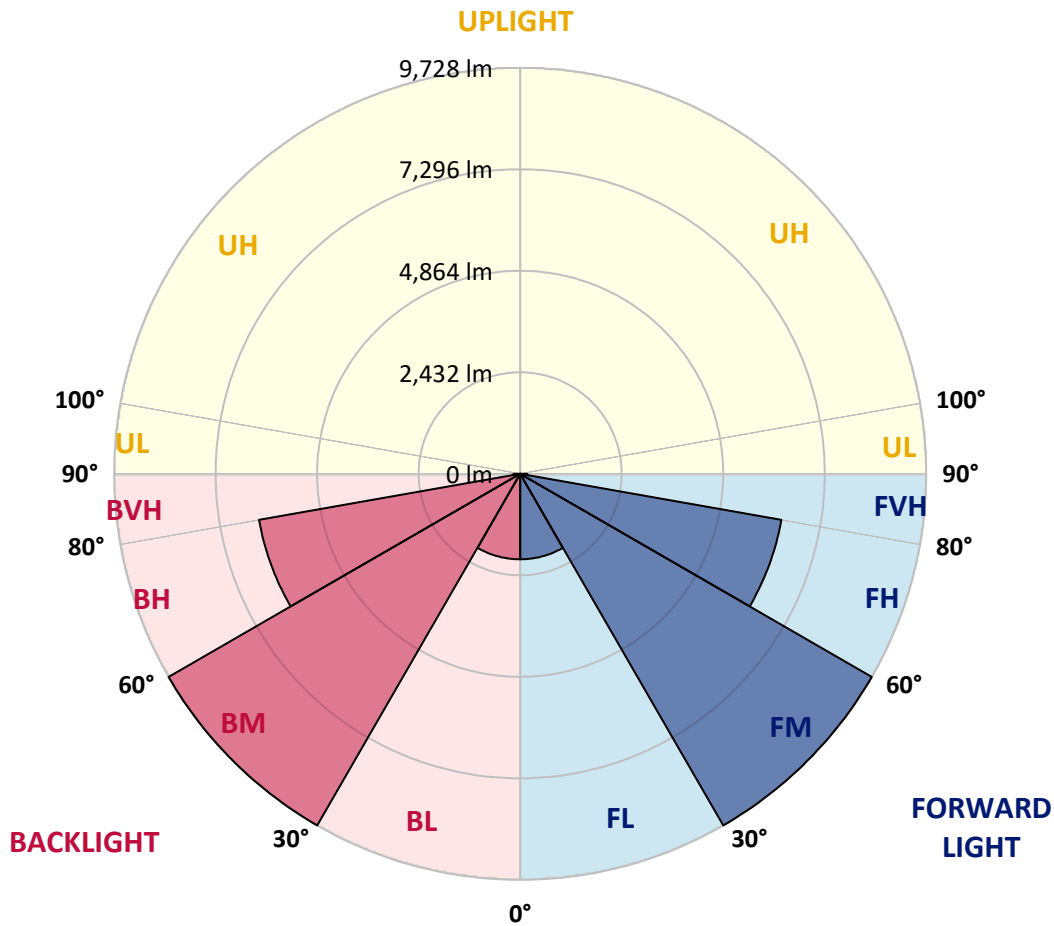


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2048.4	5.6			
FM (30°-60°)	9727.6	26.6			
FH (60°-80°)	6352.2	17.4			G3/7500
FVH (80°-90°)	164.9	0.5			G2/225
BL (0°-30°)	2048.4	5.6	B3/2500		
BM (30°-60°)	9727.6	26.6	B5		
BH (60°-80°)	6352.2	17.4	B5		G5
BVH (80°-90°)	164.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3919.0	3919.0	3919.0	3919.0	3919.0	3919.0	3919.0	3919.0	3919.0	3919.0
2.5°	3919.0	3915.3	3919.0	3922.8	3920.9	3920.9	3930.2	3935.8	3947.0	3945.2
5°	3892.9	3891.0	3905.9	3922.8	3935.8	3958.2	3986.3	4006.8	4033.0	4038.6
7.5°	3879.8	3874.2	3900.3	3930.2	3971.3	4027.4	4081.5	4137.6	4182.4	4197.3
10°	3889.1	3891.0	3926.5	3982.5	4047.9	4126.4	4202.9	4298.2	4361.7	4376.7
12.5°	3932.1	3928.4	3988.1	4077.8	4167.5	4266.5	4356.1	4460.7	4529.8	4565.3
15°	4010.5	4003.1	4087.1	4219.8	4350.5	4466.3	4539.2	4638.2	4718.5	4763.3
17.5°	4103.9	4107.7	4217.9	4389.7	4561.6	4692.4	4761.5	4811.9	4873.6	4912.8
20°	4268.3	4275.8	4399.1	4602.7	4798.8	4948.3	5004.3	4985.6	5002.4	5032.3
22.5°	4488.7	4492.5	4630.7	4851.1	5056.6	5221.0	5258.4	5181.8	5135.1	5155.6
25°	4744.7	4768.9	4907.2	5133.2	5344.3	5501.2	5518.0	5402.2	5286.4	5292.0
27.5°	5056.6	5079.0	5219.1	5443.3	5658.1	5794.5	5792.6	5637.6	5467.6	5424.6
30°	5394.7	5419.0	5562.8	5794.5	5994.3	6113.9	6087.7	5902.8	5660.0	5579.6
32.5°	5796.3	5811.3	5957.0	6188.6	6373.5	6468.8	6414.6	6186.7	5884.1	5792.6
35°	6282.0	6304.4	6412.8	6631.3	6793.8	6872.3	6780.8	6511.8	6171.8	6069.1
37.5°	6836.8	6821.9	6945.1	7139.4	7273.9	7322.5	7197.3	6877.9	6500.6	6379.1
40°	7415.9	7408.4	7542.9	7729.7	7802.5	7832.4	7647.5	7298.2	6879.8	6749.0
42.5°	7940.8	7935.2	8116.4	8323.7	8411.5	8377.9	8144.4	7744.6	7318.7	7169.3
45°	8361.1	8353.6	8575.9	8867.3	9039.1	8983.1	8669.3	8237.8	7763.3	7608.3
47.5°	8684.2	8688.0	8927.1	9287.6	9588.3	9608.9	9205.4	8740.3	8252.7	8077.1
50°	8917.7	8928.9	9184.8	9584.6	9995.5	10176.7	9752.7	9255.8	8758.9	8560.9
52.5°	8975.6	8996.2	9304.4	9773.3	10257.1	10602.6	10309.4	9750.8	9239.0	9050.3
55°	8667.4	8708.5	9098.9	9758.3	10417.7	10882.8	10798.8	10253.3	9722.8	9528.6
57.5°	7959.4	8017.4	8473.1	9334.3	10382.2	11075.2	11178.0	10735.3	10206.6	10019.8
60°	6967.6	7036.7	7473.8	8413.4	9881.6	11146.2	11445.1	11204.1	10651.2	10470.0
62.5°	5471.3	5561.0	6084.0	7186.1	8824.3	10815.6	11673.0	11628.2	11051.0	10824.9
65°	3509.9	3605.2	4156.2	5458.2	7414.0	9803.1	11744.0	12041.0	11473.1	11157.4
67.5°	2116.4	2159.4	2432.1	3308.2	5419.0	8277.0	11142.5	12498.6	11966.3	11574.0
70°	1354.3	1378.6	1541.1	1942.7	3063.5	6039.2	9651.8	12584.6	12564.0	12001.8
72.5°	919.0	926.5	969.5	1150.7	1733.5	3431.5	7118.9	11392.8	12937.6	12552.8
75°	672.5	713.6	782.7	814.4	984.4	1714.8	4079.7	8004.3	10903.4	11071.5
77.5°	500.6	502.5	597.8	635.1	702.4	913.4	1726.0	4468.2	6769.5	7107.7
80°	424.0	401.6	399.7	511.8	528.6	569.7	771.5	1542.9	2424.6	1470.1
82.5°	353.0	328.8	297.0	399.7	360.5	349.3	334.4	627.6	771.5	379.2
85°	246.6	235.4	224.2	261.5	205.5	175.6	160.6	293.3	325.0	160.6
87.5°	106.5	110.2	112.1	115.8	85.9	61.6	61.6	82.2	82.2	63.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3919.0
3943.3
4038.6
4201.1
4391.6
4580.3
4780.2
4931.5
5054.7
5170.6
5301.3
5437.7
5589.0
5815.0
6084.0
6401.6
6792.0
7206.7
7643.8
8129.4
8620.7
9098.9
9582.7
10062.8
10509.2
10851.1
11196.7
11603.9
11998.0
12493.0
10664.3
6339.9
1111.4
323.2
142.0
46.7
0.0

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