

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: P956318

Luminaire Tested: **GALN-SB9A-735-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956318  
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-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

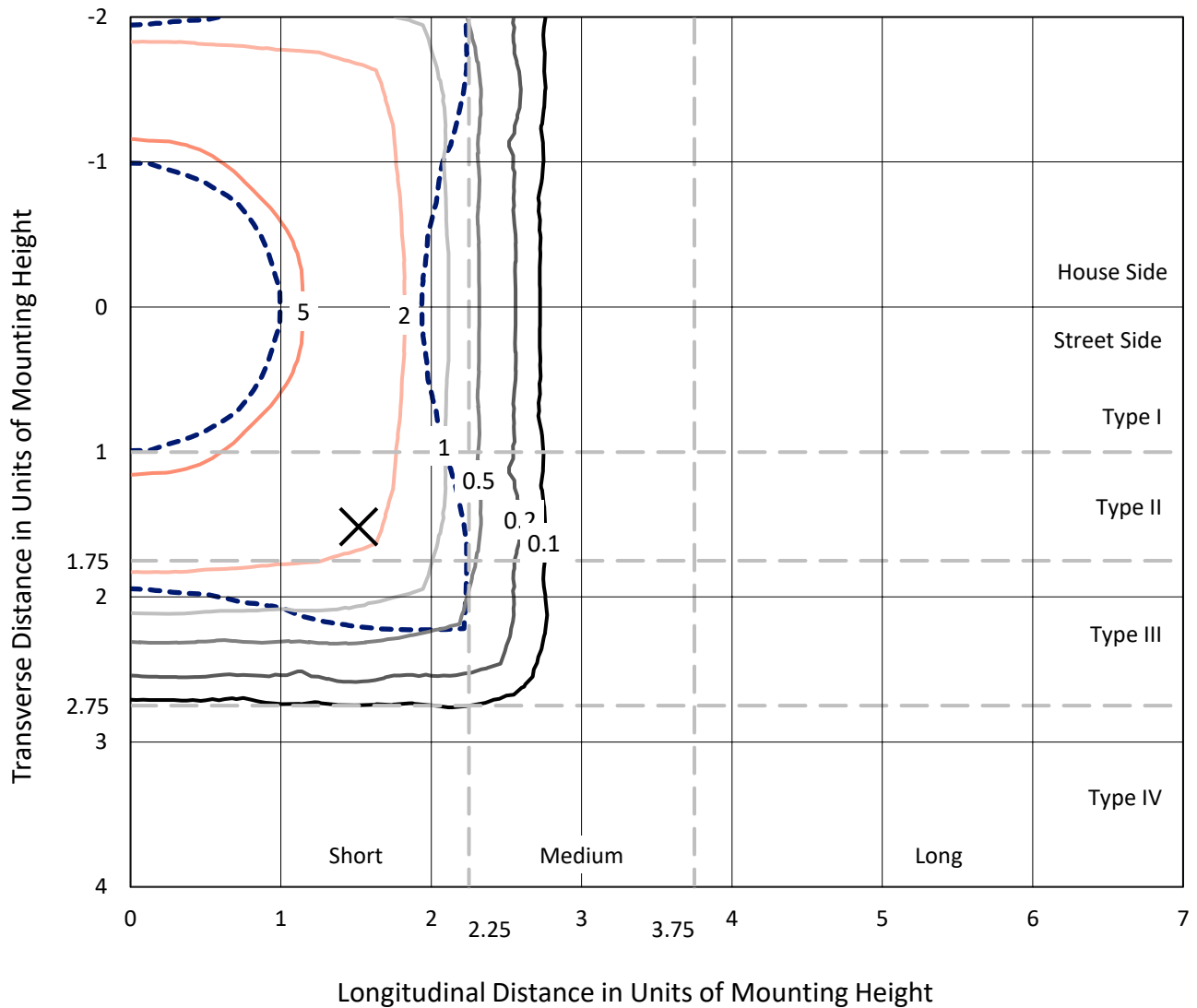
Lumens per Lamp: N/A  
Luminaire Lumens: 42815 lumens  
Efficiency: N/A  
Efficacy: 167.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

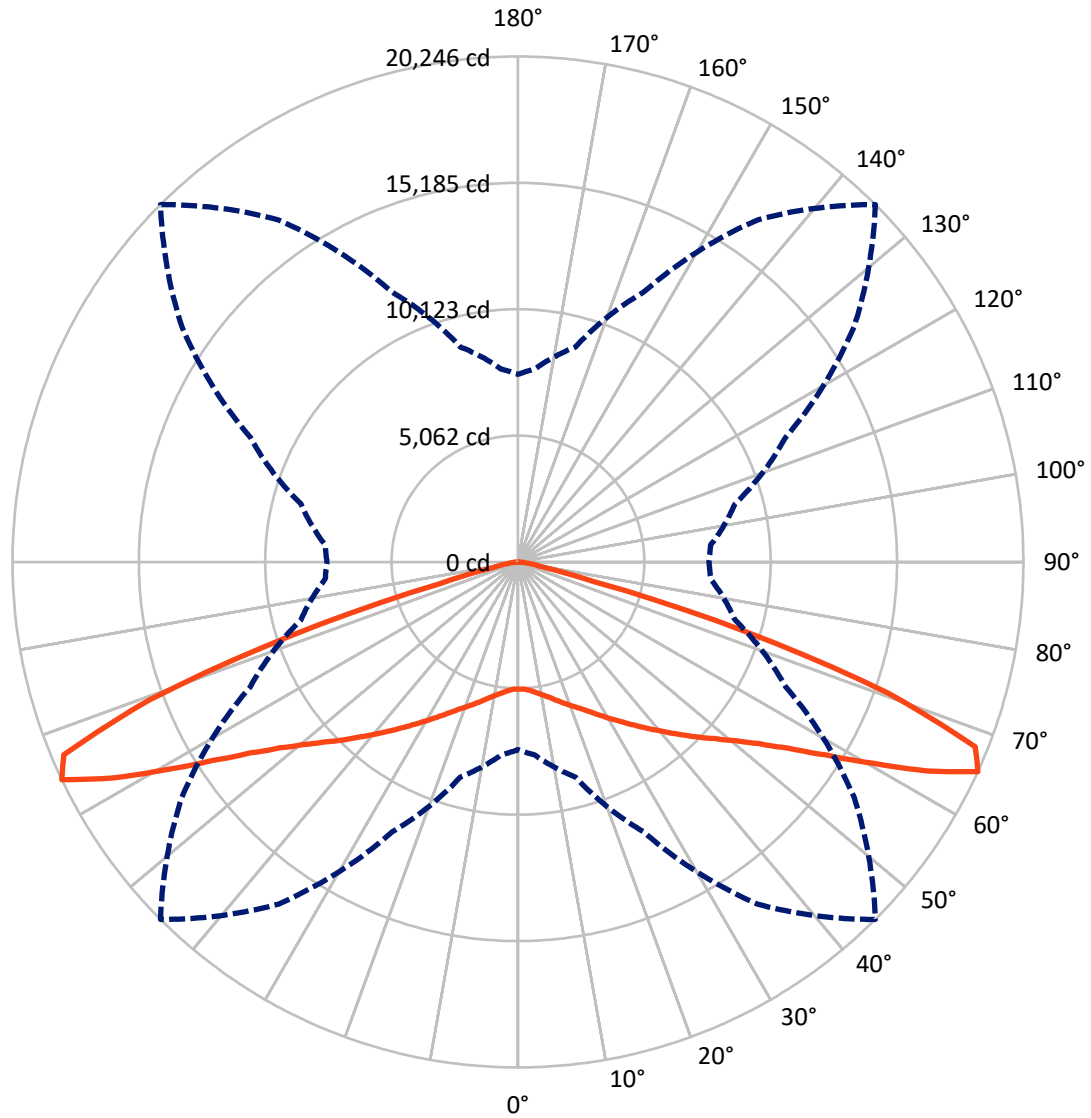
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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
<b>House Side</b>	Lumens	21407.5	0.0	21407.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21407.5	0.0	21407.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42815.0	0.0	42815.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.9	1.2
10°-20°	1640.9	3.8
20°-30°	3098.2	7.2
30°-40°	5073.2	11.8
40°-50°	7866.0	18.4
50°-60°	11619.8	27.1
60°-70°	11060.9	25.8
70°-80°	1784.8	4.2
80°-90°	168.2	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°	42815.0	100.0
0°-180°	42815.0	100.0

**Coefficient of Utilization**



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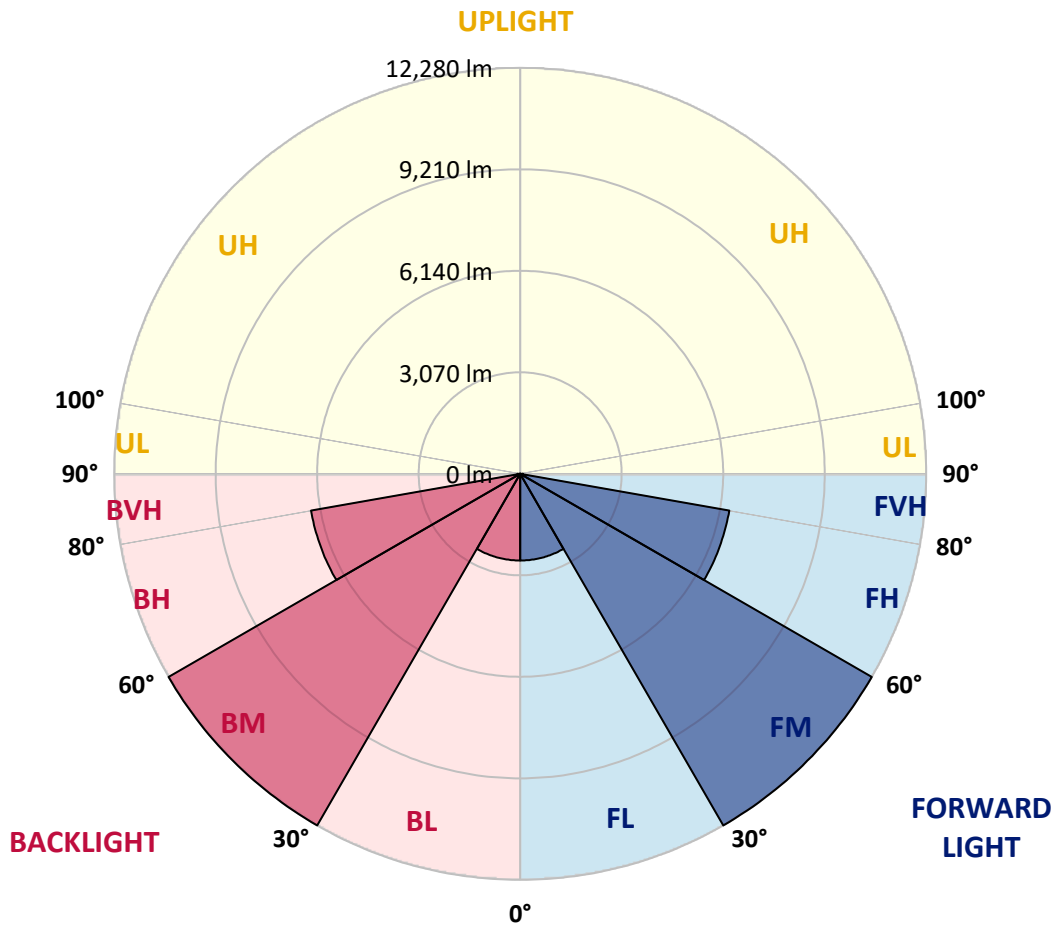
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2621.0	6.1			
FM (30°-60°)	12279.5	28.7			
FH (60°-80°)	6422.9	15.0			G3/7500
FVH (80°-90°)	84.1	0.2			G1/100
BL (0°-30°)	2621.0	6.1	B4/5000		
BM (30°-60°)	12279.5	28.7	B5		
BH (60°-80°)	6422.9	15.0	B5		G3/7500
BVH (80°-90°)	84.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5095.4	5095.4	5095.4	5095.4	5095.4	5095.4	5095.4	5095.4	5095.4	5095.4
2.5°	5129.8	5112.6	5125.5	5114.7	5106.2	5097.6	5101.9	5116.9	5123.3	5125.5
5°	5198.5	5183.5	5189.9	5189.9	5174.9	5170.6	5172.7	5183.5	5196.4	5196.4
7.5°	5310.2	5295.2	5310.2	5301.6	5288.7	5284.5	5282.3	5290.9	5310.2	5310.2
10°	5445.6	5428.4	5437.0	5432.7	5417.6	5411.2	5409.0	5421.9	5439.1	5437.0
12.5°	5593.8	5574.5	5585.2	5572.3	5568.0	5561.6	5561.6	5559.4	5570.2	5561.6
15°	5759.2	5746.3	5750.6	5742.0	5748.5	5744.2	5727.0	5718.4	5722.7	5709.8
17.5°	5954.7	5924.6	5939.6	5935.3	5935.3	5943.9	5916.0	5905.3	5913.9	5901.0
20°	6180.2	6150.2	6156.6	6148.0	6137.3	6145.9	6111.5	6120.1	6126.5	6117.9
22.5°	6427.3	6388.6	6386.5	6390.7	6367.1	6369.3	6345.6	6367.1	6380.0	6356.4
25°	6680.7	6639.9	6667.9	6657.1	6627.0	6633.5	6616.3	6637.8	6648.5	6618.5
27.5°	6949.3	6921.3	6947.1	6953.6	6917.0	6942.8	6917.0	6936.4	6947.1	6902.0
30°	7262.9	7235.0	7258.6	7275.8	7232.8	7273.6	7252.2	7265.0	7267.2	7213.5
32.5°	7604.5	7561.5	7621.6	7630.2	7583.0	7632.4	7604.5	7621.6	7632.4	7559.3
35°	8021.2	7967.5	8036.2	8025.5	7984.7	8025.5	7999.7	8025.5	8051.3	7963.2
37.5°	8470.2	8414.3	8487.3	8468.0	8429.3	8457.3	8442.2	8459.4	8500.2	8405.7
40°	8964.2	8895.5	8994.3	8959.9	8923.4	8919.1	8927.7	8938.5	8992.2	8886.9
42.5°	9492.7	9419.6	9567.9	9514.2	9462.6	9428.2	9456.2	9477.6	9529.2	9411.0
45°	10096.3	10012.5	10205.9	10141.4	10059.8	9988.9	10034.0	10066.2	10141.4	9999.6
47.5°	10762.2	10667.7	10873.9	10854.6	10721.4	10566.8	10669.9	10762.2	10818.1	10646.2
50°	11413.1	11340.1	11610.8	11634.4	11471.1	11254.2	11398.1	11537.7	11552.8	11327.2
52.5°	12023.2	11950.2	12343.3	12491.5	12345.4	12087.6	12240.2	12381.9	12268.1	11975.9
55°	12510.8	12450.7	12951.2	13333.6	13383.0	13170.3	13260.5	13256.2	12882.5	12433.5
57.5°	12629.0	12620.4	13251.9	14061.8	14577.3	14603.1	14424.8	13969.4	13163.9	12560.2
60°	12091.9	12145.6	13013.5	14442.0	15816.8	16388.2	15617.1	14317.4	12843.8	12006.0
62.5°	10485.1	10626.9	11673.1	13978.0	16817.9	18441.9	16573.0	13789.0	11529.1	10435.7
65°	7514.2	7761.3	8917.0	11928.7	16727.6	20246.3	16435.5	11832.0	9002.9	7741.9
67.5°	3409.1	3660.4	4642.2	8167.3	14540.8	19756.5	14506.5	8253.2	4874.2	3673.3
70°	1235.2	1278.1	1593.9	3269.5	9292.9	15741.6	9690.3	3293.1	1694.9	1361.9
72.5°	747.6	754.0	820.6	1170.7	3228.7	9557.1	3366.2	1209.4	837.8	743.3
75°	474.7	470.4	584.3	715.3	1145.0	3224.4	1200.8	715.3	582.1	530.6
77.5°	341.6	352.3	418.9	534.9	721.8	1093.4	708.9	511.3	418.9	343.7
80°	255.6	262.1	305.0	416.7	507.0	681.0	451.1	378.1	315.8	214.8
82.5°	184.7	184.7	199.8	302.9	309.3	367.3	244.9	266.4	208.4	152.5
85°	109.6	107.4	124.6	180.4	161.1	135.3	111.7	163.3	131.0	94.5
87.5°	38.7	40.8	38.7	51.6	43.0	36.5	34.4	45.1	36.5	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5095.4
5125.5
5196.4
5303.8
5432.7
5565.9
5711.9
5911.7
6137.3
6380.0
6652.8
6936.4
7245.7
7608.7
8016.9
8463.7
8921.3
9473.3
10072.7
10704.2
11355.1
11984.5
12448.5
12521.6
11907.2
10371.3
7649.6
3619.6
1344.7
756.1
534.9
350.1
221.3
152.5
92.4
30.1
0.0

OF REPORT)