

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: P957031

Luminaire Tested: **GALN-SB9C-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957031
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-SB9C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71437 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

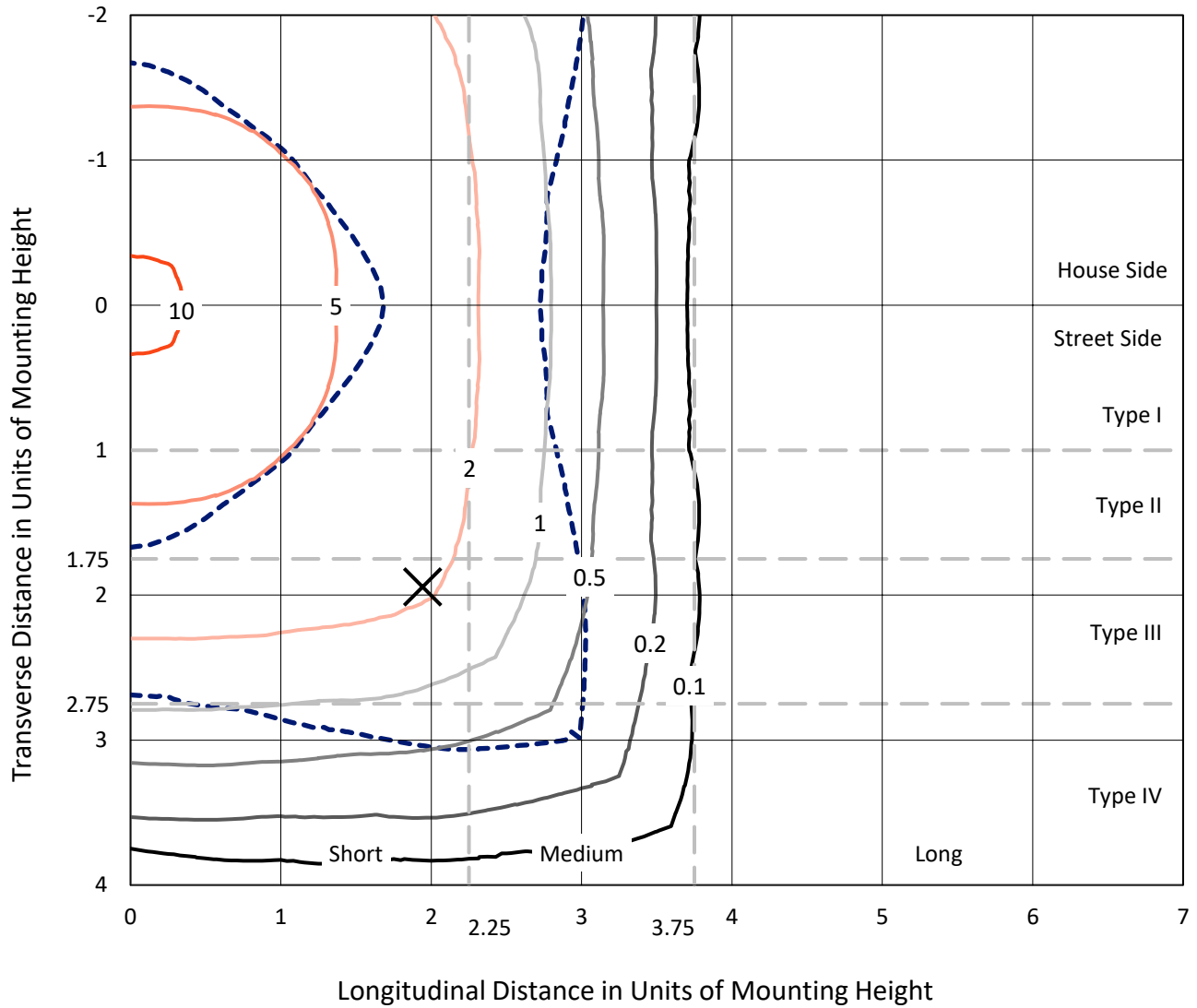
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

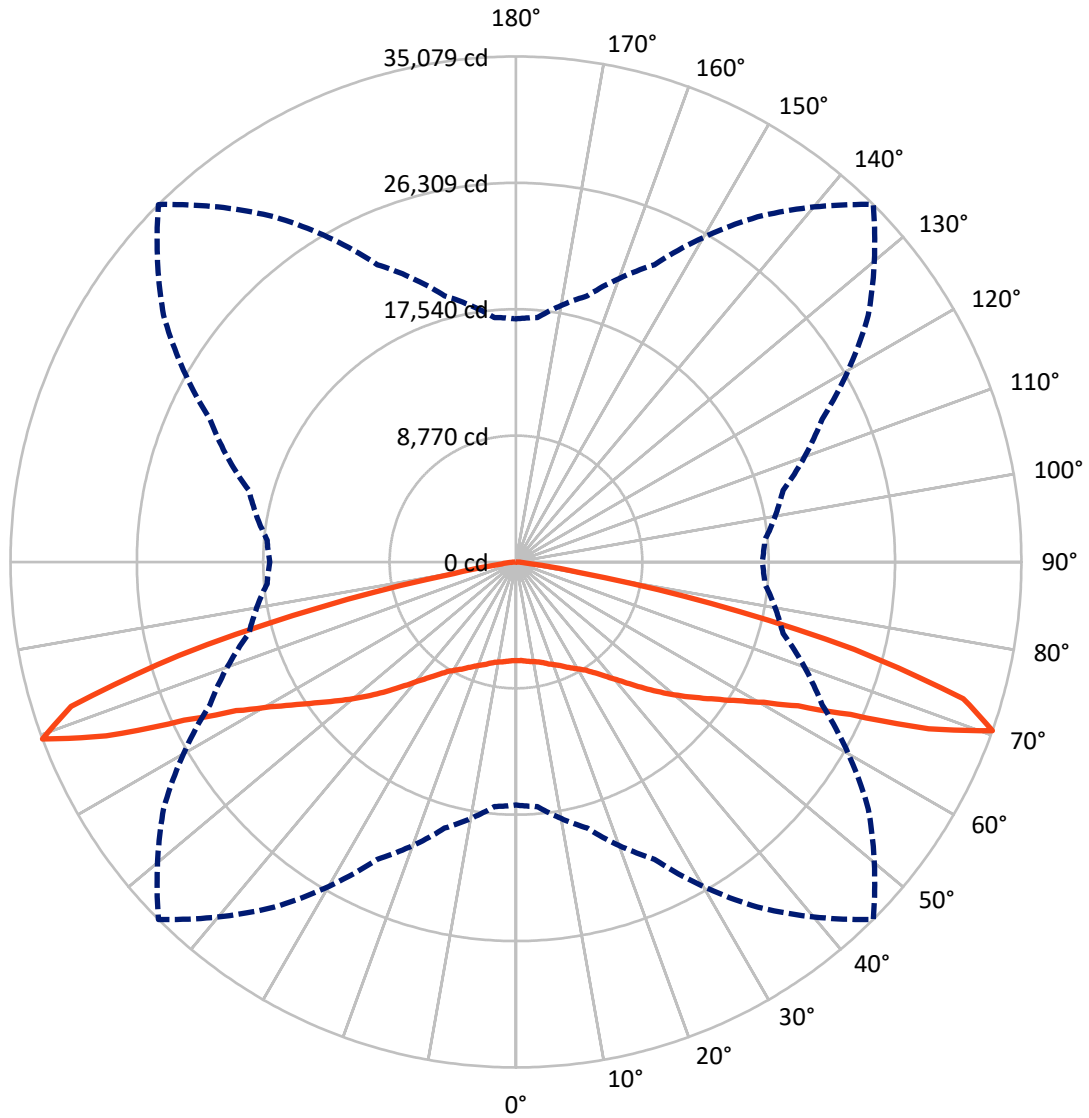
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35718.5	0.0	35718.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35718.5	0.0	35718.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71437.0	0.0	71437.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.8	0.9
10°-20°	2061.4	2.9
20°-30°	3684.0	5.2
30°-40°	5971.8	8.4
40°-50°	9727.0	13.6
50°-60°	14830.4	20.8
60°-70°	22063.0	30.9
70°-80°	12025.0	16.8
80°-90°	409.5	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°	71437.0	100.0
0°-180°	71437.0	100.0



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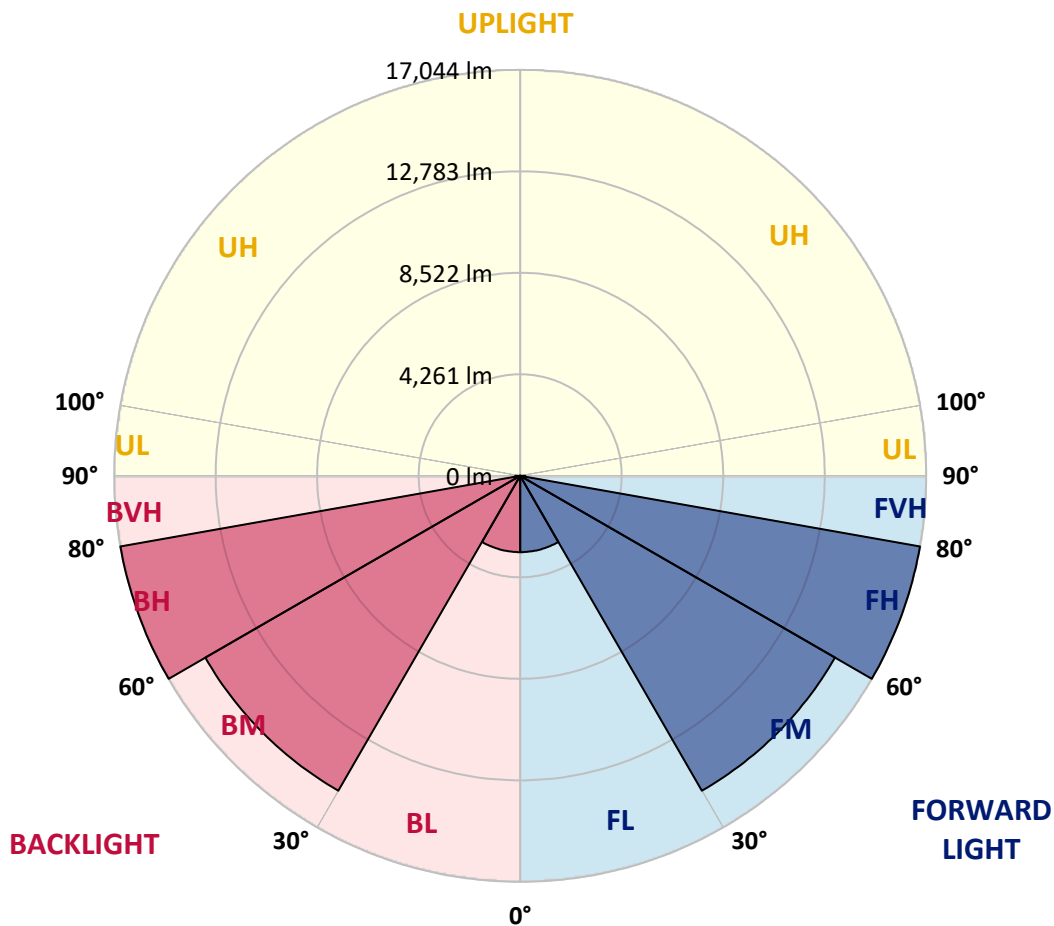
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3205.1	4.5			
FM (30°-60°)	15264.6	21.4			
FH (60°-80°)	17044.0	23.9			G5
FVH (80°-90°)	204.7	0.3			G2/225
BL (0°-30°)	3205.1	4.5	B4/5000		
BM (30°-60°)	15264.6	21.4	B5		
BH (60°-80°)	17044.0	23.9	B5		G5
BVH (80°-90°)	204.7	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9
2.5°	6875.2	6882.4	6868.0	6860.9	6853.7	6842.9	6846.5	6864.4	6878.8	6875.2
5°	6932.6	6939.8	6929.0	6925.4	6911.1	6907.5	6907.5	6925.4	6936.2	6929.0
7.5°	6997.1	7007.9	6990.0	6986.4	6979.2	6972.0	6968.5	6986.4	6997.1	6997.1
10°	7058.1	7068.9	7054.5	7043.8	7036.6	7036.6	7029.4	7043.8	7061.7	7058.1
12.5°	7122.7	7129.8	7115.5	7108.3	7108.3	7119.1	7108.3	7115.5	7129.8	7122.7
15°	7201.6	7205.2	7201.6	7212.3	7230.3	7266.1	7233.8	7226.7	7233.8	7215.9
17.5°	7309.2	7316.3	7330.7	7355.8	7380.9	7445.4	7388.1	7370.1	7370.1	7334.3
20°	7441.9	7452.6	7474.1	7517.2	7549.5	7610.4	7553.0	7527.9	7517.2	7470.6
22.5°	7581.7	7599.7	7631.9	7689.3	7746.7	7804.1	7746.7	7703.7	7671.4	7610.4
25°	7743.1	7764.6	7814.9	7908.1	7987.0	8069.5	8001.3	7915.3	7850.7	7764.6
27.5°	7972.7	7997.8	8058.7	8173.5	8273.9	8345.6	8281.1	8169.9	8080.2	7976.2
30°	8295.4	8320.5	8392.3	8514.2	8582.3	8629.0	8585.9	8499.9	8392.3	8273.9
32.5°	8711.5	8743.7	8822.6	8937.4	8951.8	8958.9	8944.6	8901.5	8822.6	8679.2
35°	9238.7	9274.5	9364.2	9457.4	9443.1	9457.4	9435.9	9421.6	9364.2	9199.2
37.5°	9884.2	9927.3	10020.5	10092.2	10056.4	10038.4	10042.0	10045.6	10013.3	9830.4
40°	10633.8	10691.2	10759.3	10834.6	10773.7	10719.9	10755.7	10784.4	10755.7	10569.2
42.5°	11404.9	11487.4	11559.1	11666.7	11616.5	11548.3	11598.5	11630.8	11569.9	11369.0
45°	12262.0	12340.9	12434.2	12595.6	12559.7	12488.0	12559.7	12566.9	12462.9	12226.2
47.5°	13147.9	13230.4	13370.2	13585.4	13571.1	13492.2	13585.4	13535.2	13402.5	13119.2
50°	13987.1	14101.9	14317.1	14618.3	14647.0	14550.2	14675.7	14578.9	14356.5	14001.5
52.5°	14776.1	14898.1	15238.8	15647.6	15751.6	15626.1	15794.7	15626.1	15292.6	14837.1
55°	15604.6	15740.9	16146.1	16680.5	16888.5	16795.3	16953.1	16698.5	16225.0	15672.7
57.5°	16580.1	16662.6	17146.8	17781.6	18133.0	18154.6	18226.3	17795.9	17222.1	16594.5
60°	17638.1	17752.9	18280.1	19040.4	19596.3	19775.6	19700.3	19061.9	18394.8	17674.0
62.5°	18993.8	19119.3	19750.5	20661.5	21540.2	21984.9	21690.8	20765.5	19940.6	19076.3
65°	20116.3	20256.2	21396.7	23021.4	24620.9	25513.9	24775.1	23071.6	21586.8	20367.4
67.5°	19302.2	19474.4	21264.0	24247.9	28225.3	30890.0	28361.6	24613.7	21705.1	20051.8
70°	16870.6	17032.0	19119.3	22766.7	29240.2	35079.0	29849.9	23437.4	19187.4	17336.8
72.5°	11200.4	11720.5	13832.9	18208.3	26109.3	32460.9	26367.5	17838.9	12832.3	11175.3
75°	3715.6	4131.6	5573.3	9439.5	17487.5	24276.6	16648.2	8352.8	4414.9	3177.6
77.5°	936.1	1079.5	1488.4	2700.6	6975.6	13822.1	6279.9	2205.7	1201.5	839.2
80°	455.5	502.1	717.3	900.2	1746.6	4393.4	1639.0	846.4	566.7	437.5
82.5°	251.1	254.6	405.3	509.3	649.1	1136.9	674.3	494.9	326.4	265.4
85°	154.2	150.6	215.2	272.6	272.6	405.3	322.8	272.6	186.5	165.0
87.5°	61.0	61.0	78.9	86.1	75.3	104.0	82.5	89.7	71.7	68.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6842.9
6878.8
6932.6
6997.1
7058.1
7119.1
7215.9
7334.3
7470.6
7606.8
7761.1
7972.7
8273.9
8682.8
9199.2
9830.4
10569.2
11383.4
12251.3
13101.3
13994.3
14794.1
15597.4
16508.4
17559.2
18925.6
20166.5
19804.3
17089.4
10813.1
3005.4
749.6
401.7
265.4
172.1
71.7
0.0

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