

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: P957056

Luminaire Tested: **GALN-SB9C-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957056
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-SB9C-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 74315 lumens
Efficiency: N/A
Efficacy: 165.2 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

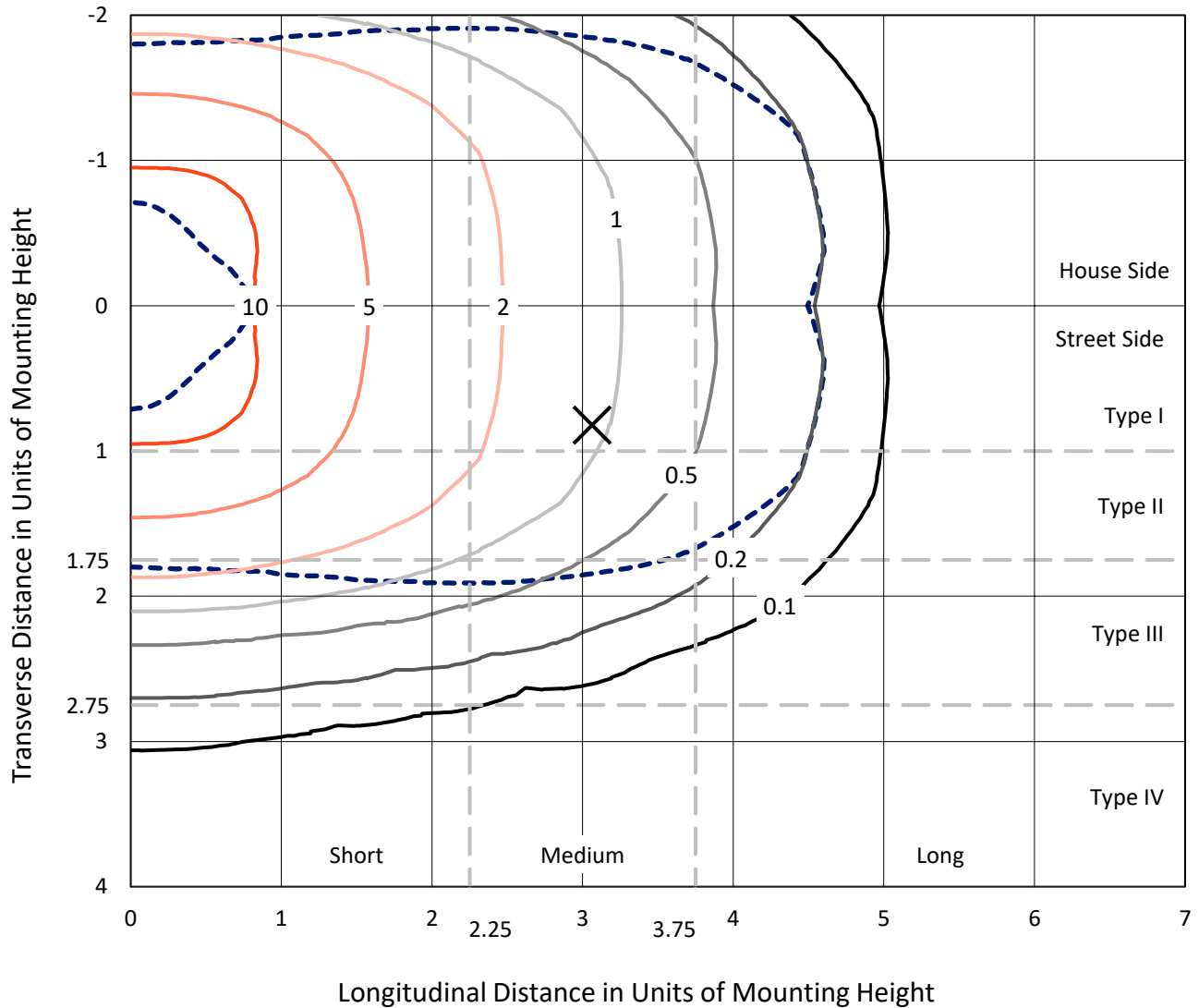
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

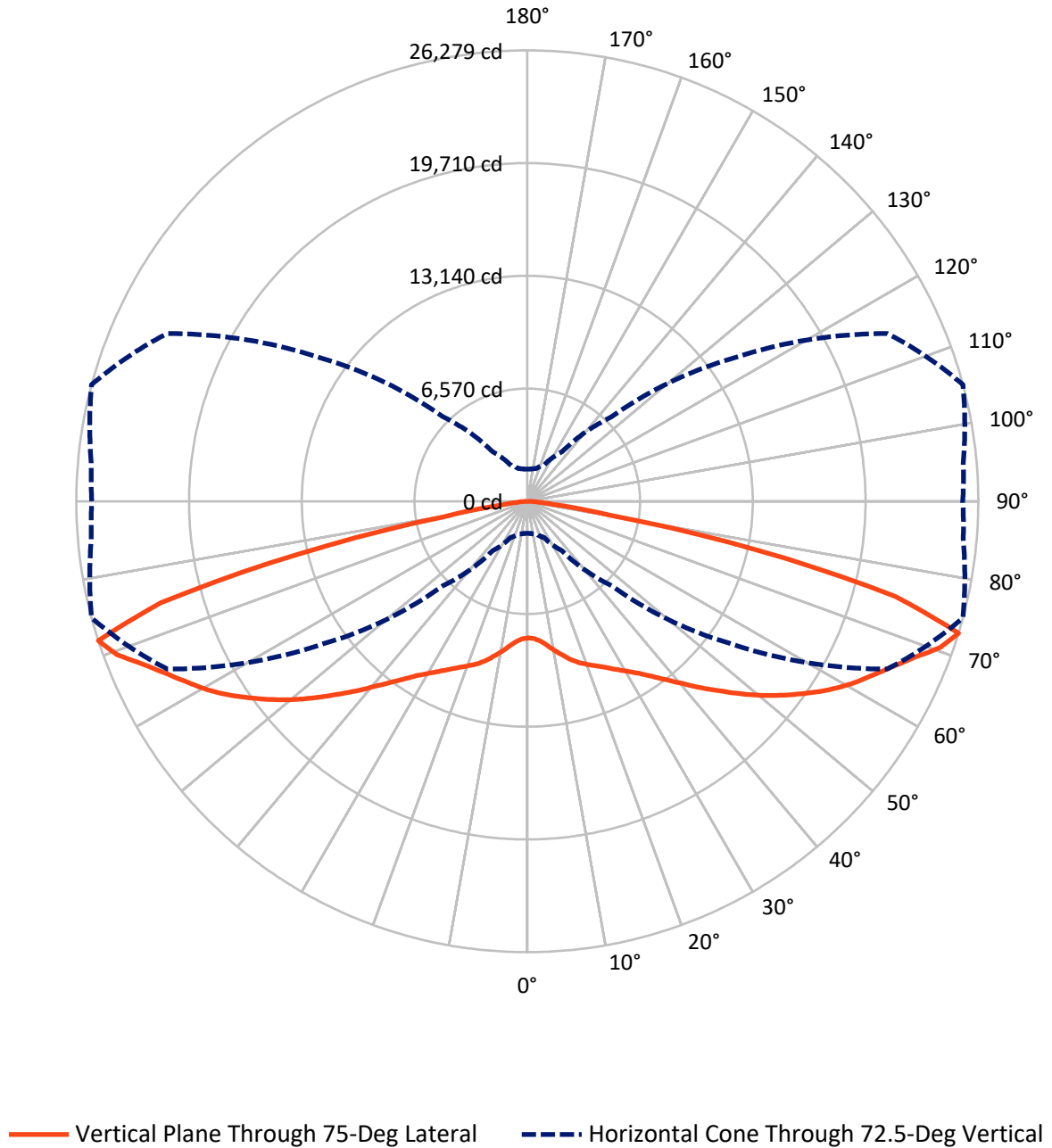
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	37157.5	0.0	37157.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37157.5	0.0	37157.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	74315.0	0.0	74315.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.8	1.0
10°-20°	2571.9	3.5
20°-30°	4969.7	6.7
30°-40°	8391.7	11.3
40°-50°	13308.2	17.9
50°-60°	17818.2	24.0
60°-70°	16957.2	22.8
70°-80°	8848.5	11.9
80°-90°	669.8	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°	74315.0	100.0
0°-180°	74315.0	100.0

Coefficient of Utilization



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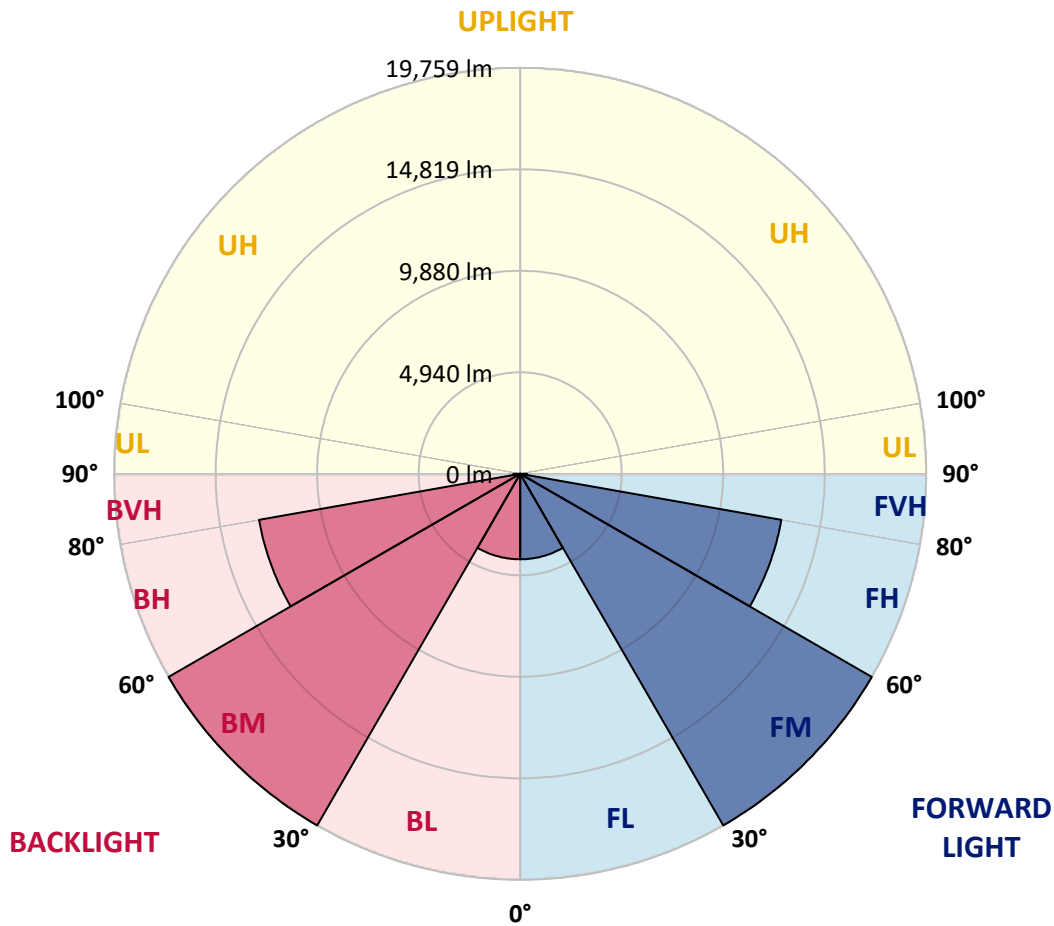
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4160.7	5.6			
FM (30°-60°)	19759.0	26.6			
FH (60°-80°)	12902.9	17.4			G5
FVH (80°-90°)	334.9	0.5			G3/500
BL (0°-30°)	4160.7	5.6	B4/5000		
BM (30°-60°)	19759.0	26.6	B5		
BH (60°-80°)	12902.9	17.4	B5		G5
BVH (80°-90°)	334.9	0.5			G3/500
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°	7960.5	7960.5	7960.5	7960.5	7960.5	7960.5	7960.5	7960.5	7960.5	7960.5
2.5°	7960.5	7952.9	7960.5	7968.1	7964.3	7964.3	7983.2	7994.6	8017.4	8013.6
5°	7907.3	7903.6	7933.9	7968.1	7994.6	8040.1	8097.1	8138.8	8191.9	8203.3
7.5°	7880.8	7869.4	7922.5	7983.2	8066.7	8180.5	8290.6	8404.4	8495.5	8525.8
10°	7899.8	7903.6	7975.6	8089.5	8222.3	8381.6	8537.2	8730.7	8859.7	8890.1
12.5°	7987.0	7979.4	8100.9	8283.0	8465.1	8666.2	8848.3	9060.8	9201.2	9273.3
15°	8146.4	8131.2	8302.0	8571.4	8837.0	9072.2	9220.2	9421.3	9584.4	9675.5
17.5°	8336.1	8343.7	8567.6	8916.6	9265.7	9531.3	9671.7	9774.1	9899.4	9979.0
20°	8670.0	8685.2	8935.6	9349.2	9747.6	10051.1	10165.0	10127.0	10161.2	10221.9
22.5°	9117.7	9125.3	9406.1	9853.8	10271.2	10605.1	10681.0	10525.4	10430.6	10472.3
25°	9637.6	9686.9	9967.7	10426.8	10855.5	11174.2	11208.4	10973.2	10737.9	10749.3
27.5°	10271.2	10316.7	10601.3	11056.6	11493.0	11770.0	11766.2	11451.2	11106.0	11018.7
30°	10958.0	11007.3	11299.5	11770.0	12175.9	12418.8	12365.7	11990.0	11496.8	11333.6
32.5°	11773.8	11804.1	12100.1	12570.6	12946.2	13139.7	13029.7	12566.8	11952.1	11766.2
35°	12760.3	12805.8	13025.9	13469.8	13799.9	13959.3	13773.4	13227.0	12536.4	12327.7
37.5°	13887.2	13856.8	14107.3	14501.9	14775.1	14873.7	14619.5	13970.7	13204.2	12957.6
40°	15063.4	15048.2	15321.4	15700.9	15848.8	15909.6	15533.9	14824.4	13974.5	13708.8
42.5°	16129.6	16118.2	16486.3	16907.5	17085.8	17017.5	16543.2	15731.2	14866.1	14562.6
45°	16983.3	16968.2	17419.7	18011.6	18360.7	18246.8	17609.4	16732.9	15769.2	15454.2
47.5°	17639.8	17647.3	18133.0	18865.3	19476.2	19517.9	18698.4	17753.6	16763.3	16406.6
50°	18114.0	18136.8	18656.6	19468.6	20303.4	20671.4	19810.1	18800.8	17791.5	17389.3
52.5°	18231.7	18273.4	18899.5	19851.8	20834.6	21536.5	20940.8	19806.3	18766.7	18383.4
55°	17605.6	17689.1	18482.1	19821.5	21160.9	22105.7	21934.9	20827.0	19749.4	19354.8
57.5°	16167.6	16285.2	17211.0	18960.2	21088.8	22496.5	22705.2	21805.9	20732.1	20352.7
60°	14152.8	14293.2	15181.0	17089.6	20071.9	22640.7	23247.8	22758.3	21635.2	21267.1
62.5°	11113.5	11295.7	12358.1	14596.7	17924.3	21969.1	23710.7	23619.6	22447.2	21988.0
65°	7129.5	7323.0	8442.3	11087.0	15059.6	19912.6	23854.8	24458.1	23304.7	22663.4
67.5°	4299.0	4386.2	4940.2	6719.7	11007.3	16812.6	22633.1	25387.7	24306.4	23509.6
70°	2750.9	2800.2	3130.3	3946.1	6222.7	12267.0	19605.2	25562.3	25520.5	24378.5
72.5°	1866.8	1882.0	1969.2	2337.3	3521.1	6970.2	14460.1	23141.5	26279.4	25497.8
75°	1366.0	1449.4	1589.8	1654.3	1999.6	3483.2	8286.8	16258.6	22147.4	22488.9
77.5°	1016.9	1020.7	1214.2	1290.1	1426.7	1855.4	3505.9	9076.0	13750.6	14437.4
80°	861.3	815.8	812.0	1039.6	1073.8	1157.3	1567.1	3134.1	4925.0	2986.1
82.5°	717.1	667.8	603.3	812.0	732.3	709.5	679.2	1274.9	1567.1	770.2
85°	500.8	478.1	455.3	531.2	417.4	356.7	326.3	595.7	660.2	326.3
87.5°	216.3	223.9	227.7	235.2	174.5	125.2	125.2	166.9	166.9	129.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7960.5
8009.8
8203.3
8533.4
8920.4
9303.7
9709.6
10017.0
10267.4
10502.7
10768.3
11045.2
11352.6
11811.7
12358.1
13003.1
13796.1
14638.5
15526.3
16512.8
17510.8
18482.1
19464.8
20440.0
21346.8
22041.2
22743.1
23570.3
24370.9
25376.4
21661.7
12877.9
2257.6
656.4
288.4
94.9
0.0

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