

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: P957035

Luminaire Tested: **GALN-SB9C-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957035
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-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70243 lumens
Efficiency: N/A
Efficacy: 156.2 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

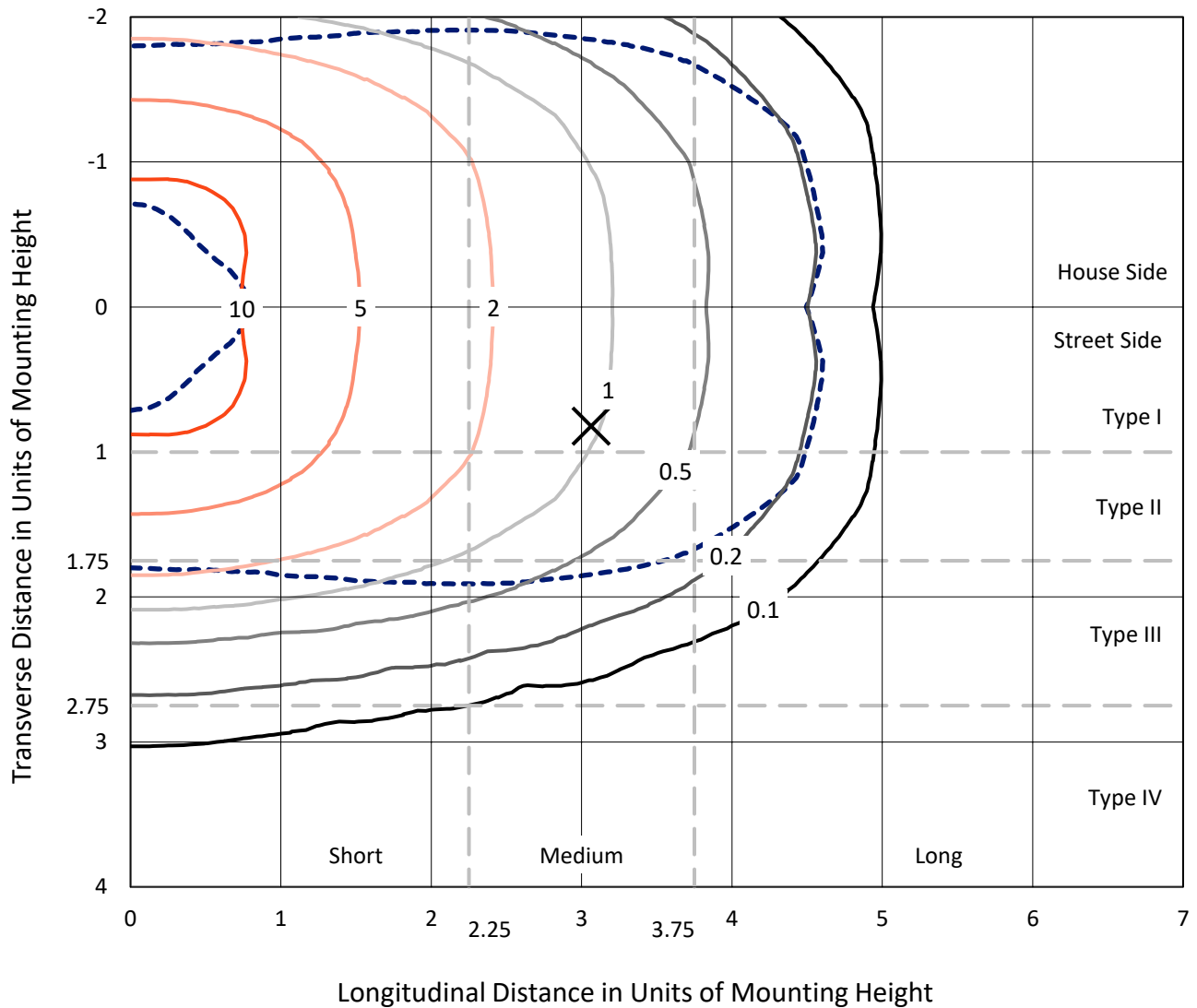
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

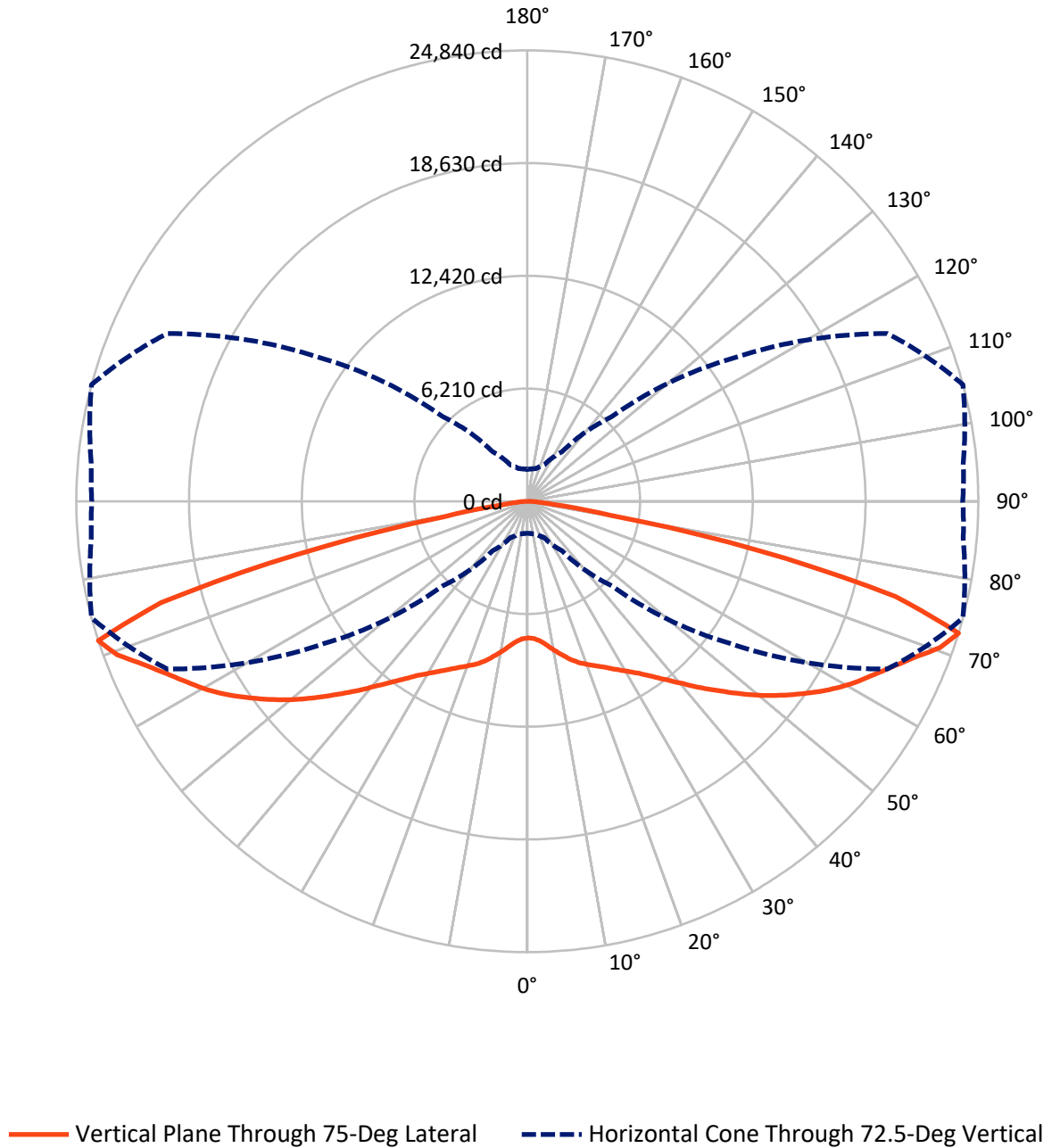
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	35121.5	0.0	35121.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35121.5	0.0	35121.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70243.0	0.0	70243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.1	1.0
10°-20°	2431.0	3.5
20°-30°	4697.4	6.7
30°-40°	7931.8	11.3
40°-50°	12579.0	17.9
50°-60°	16841.8	24.0
60°-70°	16028.0	22.8
70°-80°	8363.7	11.9
80°-90°	633.1	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°	70243.0	100.0
0°-180°	70243.0	100.0

Coefficient of Utilization



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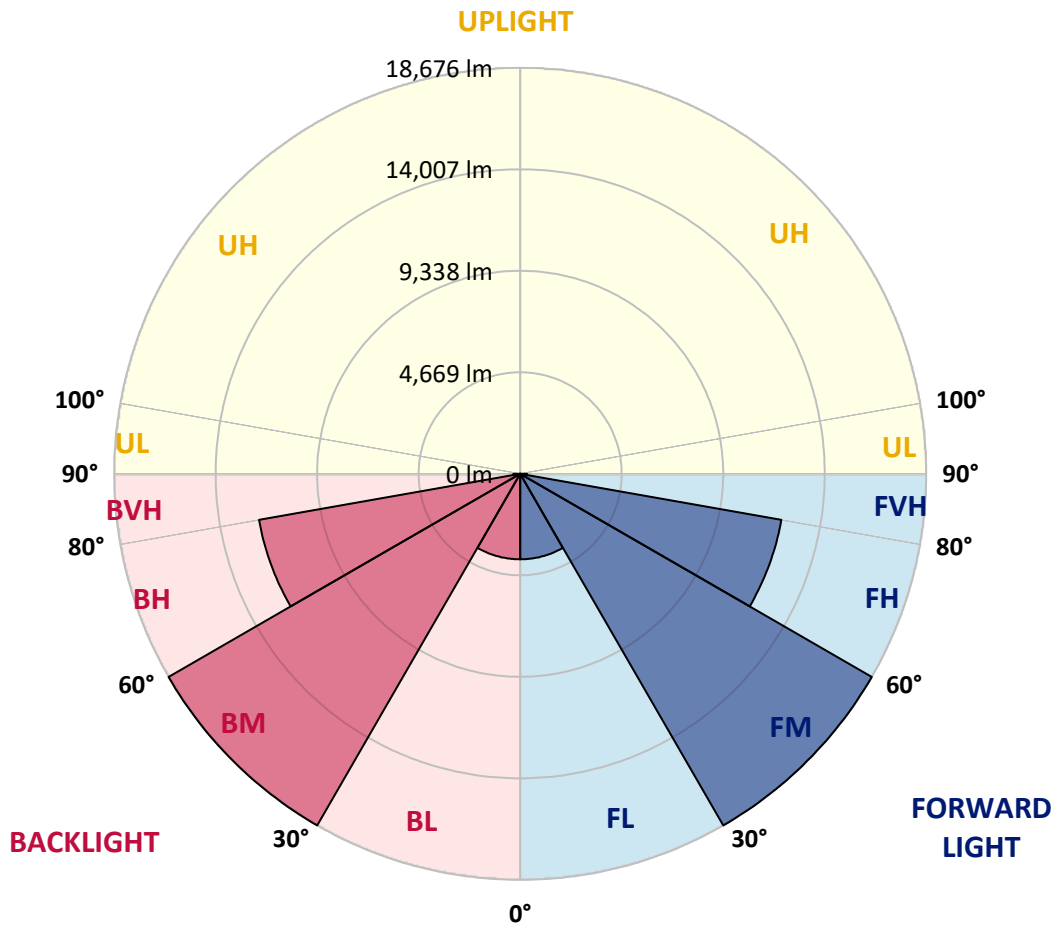
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3932.7	5.6			
FM (30°-60°)	18676.3	26.6			
FH (60°-80°)	12195.9	17.4			G5
FVH (80°-90°)	316.5	0.5			G3/500
BL (0°-30°)	3932.7	5.6	B4/5000		
BM (30°-60°)	18676.3	26.6	B5		
BH (60°-80°)	12195.9	17.4	B5		G5
BVH (80°-90°)	316.5	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°	7524.3	7524.3	7524.3	7524.3	7524.3	7524.3	7524.3	7524.3	7524.3	7524.3
2.5°	7524.3	7517.1	7524.3	7531.5	7527.9	7527.9	7545.8	7556.6	7578.1	7574.5
5°	7474.1	7470.5	7499.2	7531.5	7556.6	7599.6	7653.4	7692.8	7743.1	7753.8
7.5°	7449.0	7438.2	7488.4	7545.8	7624.7	7732.3	7836.3	7943.9	8030.0	8058.7
10°	7466.9	7470.5	7538.6	7646.2	7771.7	7922.4	8069.4	8252.3	8374.3	8403.0
12.5°	7549.4	7542.2	7657.0	7829.1	8001.3	8191.4	8363.5	8564.3	8697.0	8765.2
15°	7700.0	7685.7	7847.1	8101.7	8352.7	8575.1	8715.0	8905.0	9059.3	9145.3
17.5°	7879.3	7886.5	8098.1	8428.1	8758.0	9009.1	9141.8	9238.6	9356.9	9432.3
20°	8194.9	8209.3	8446.0	8836.9	9213.5	9500.4	9608.0	9572.1	9604.4	9661.8
22.5°	8618.1	8625.3	8890.7	9313.9	9708.4	10024.0	10095.7	9948.7	9859.0	9898.5
25°	9109.5	9156.1	9421.5	9855.4	10260.7	10562.0	10594.2	10371.9	10149.5	10160.3
27.5°	9708.4	9751.4	10020.4	10450.8	10863.2	11125.0	11121.4	10823.8	10497.4	10414.9
30°	10357.5	10404.2	10680.3	11125.0	11508.8	11738.3	11688.1	11333.0	10866.8	10712.6
32.5°	11128.6	11157.3	11437.1	11881.8	12236.8	12419.7	12315.7	11878.2	11297.2	11121.4
35°	12061.1	12104.1	12312.1	12731.7	13043.8	13194.4	13018.7	12502.2	11849.5	11652.2
37.5°	13126.3	13097.6	13334.3	13707.2	13965.5	14058.7	13818.4	13205.2	12480.7	12247.6
40°	14238.0	14223.7	14481.9	14840.6	14980.4	15037.8	14682.8	14012.1	13208.7	12957.7
42.5°	15245.8	15235.1	15582.9	15981.0	16149.6	16085.0	15636.7	14869.2	14051.5	13764.6
45°	16052.8	16038.4	16465.2	17024.7	17354.6	17247.0	16644.5	15816.1	14905.1	14607.4
47.5°	16673.2	16680.4	17139.4	17831.6	18409.0	18448.5	17673.8	16780.8	15844.7	15507.6
50°	17121.5	17143.0	17634.4	18401.9	19190.9	19538.7	18724.6	17770.6	16816.7	16436.5
52.5°	17232.7	17272.1	17863.9	18764.1	19693.0	20356.4	19793.4	18721.0	17738.4	17376.1
55°	16640.9	16719.8	17469.4	18735.4	20001.4	20894.4	20733.0	19685.8	18667.3	18294.3
57.5°	15281.7	15392.9	16267.9	17921.3	19933.3	21263.8	21461.1	20611.1	19596.1	19237.5
60°	13377.3	13510.0	14349.2	16153.2	18972.1	21400.1	21973.9	21511.3	20449.7	20101.8
62.5°	10504.6	10676.7	11680.9	13796.9	16942.2	20765.3	22411.5	22325.4	21217.2	20783.2
65°	6738.9	6921.8	7979.8	10479.5	14234.5	18821.5	22547.7	23118.0	22027.7	21421.6
67.5°	4063.4	4145.9	4669.5	6351.5	10404.2	15891.4	21392.9	23996.7	22974.5	22221.4
70°	2600.1	2646.8	2958.8	3729.9	5881.7	11594.9	18531.0	24161.6	24122.2	23042.7
72.5°	1764.5	1778.9	1861.3	2209.2	3328.2	6588.2	13667.8	21873.5	24839.5	24100.7
75°	1291.1	1370.0	1502.7	1563.7	1890.0	3292.3	7832.7	15367.8	20933.9	21256.6
77.5°	961.2	964.7	1147.7	1219.4	1348.5	1753.8	3313.8	8578.7	12997.1	13646.3
80°	814.1	771.1	767.5	982.7	1015.0	1093.9	1481.2	2962.4	4655.2	2822.5
82.5°	677.8	631.2	570.2	767.5	692.2	670.7	642.0	1205.0	1481.2	728.0
85°	473.4	451.9	430.4	502.1	394.5	337.1	308.4	563.1	624.0	308.4
87.5°	204.4	211.6	215.2	222.4	165.0	118.4	118.4	157.8	157.8	121.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7524.3
7570.9
7753.8
8065.8
8431.6
8793.9
9177.6
9468.1
9704.8
9927.2
10178.2
10440.0
10730.5
11164.5
11680.9
12290.6
13040.2
13836.4
14675.6
15608.0
16551.3
17469.4
18398.3
19320.0
20177.1
20833.4
21496.9
22278.8
23035.5
23985.9
20474.8
12172.3
2133.9
620.4
272.6
89.7
0.0

OF REPORT)