

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: P957073

Luminaire Tested: **GALN-SB9C-750-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957073
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-750-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75578 lumens
Efficiency: N/A
Efficacy: 168.0 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

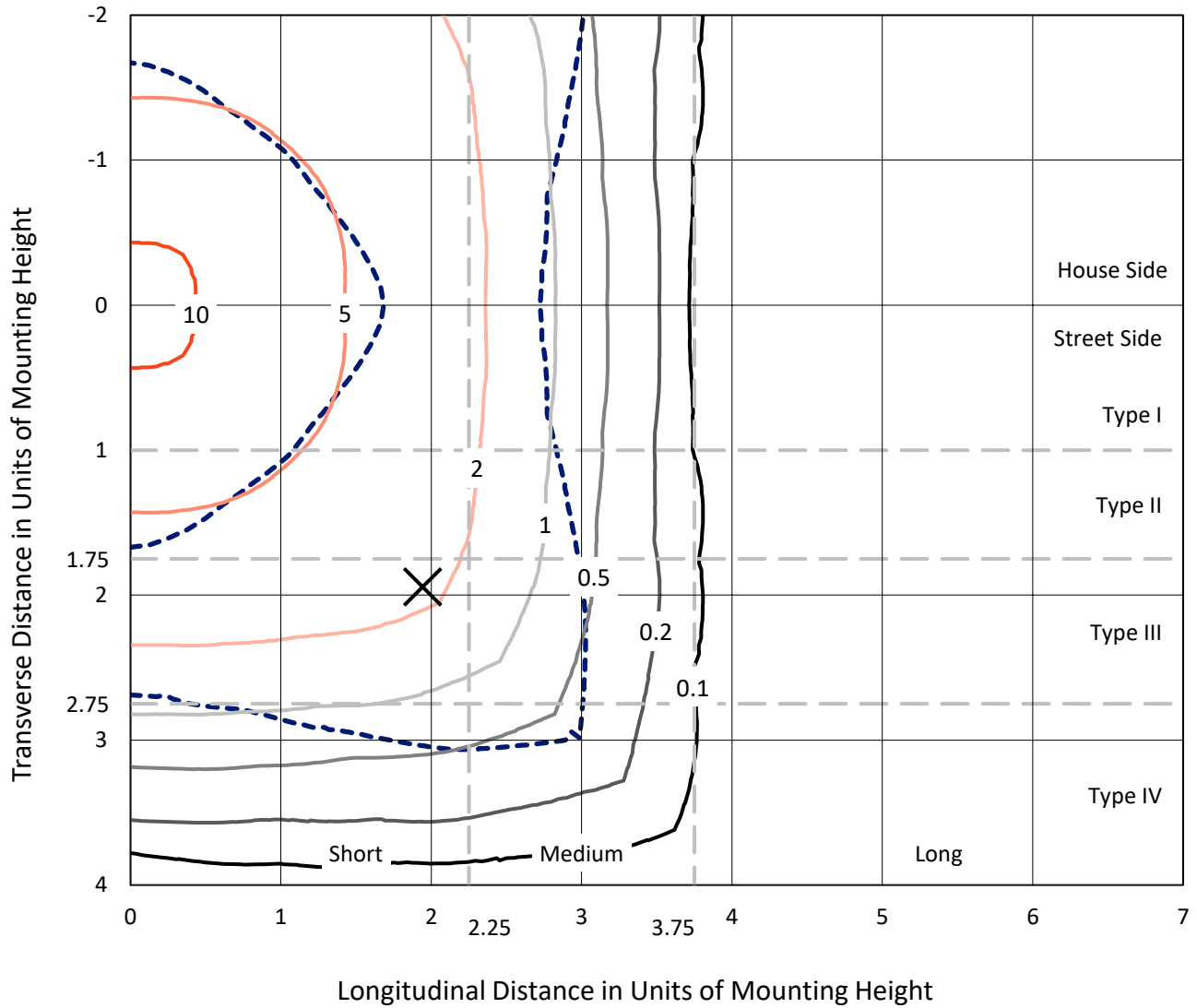
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

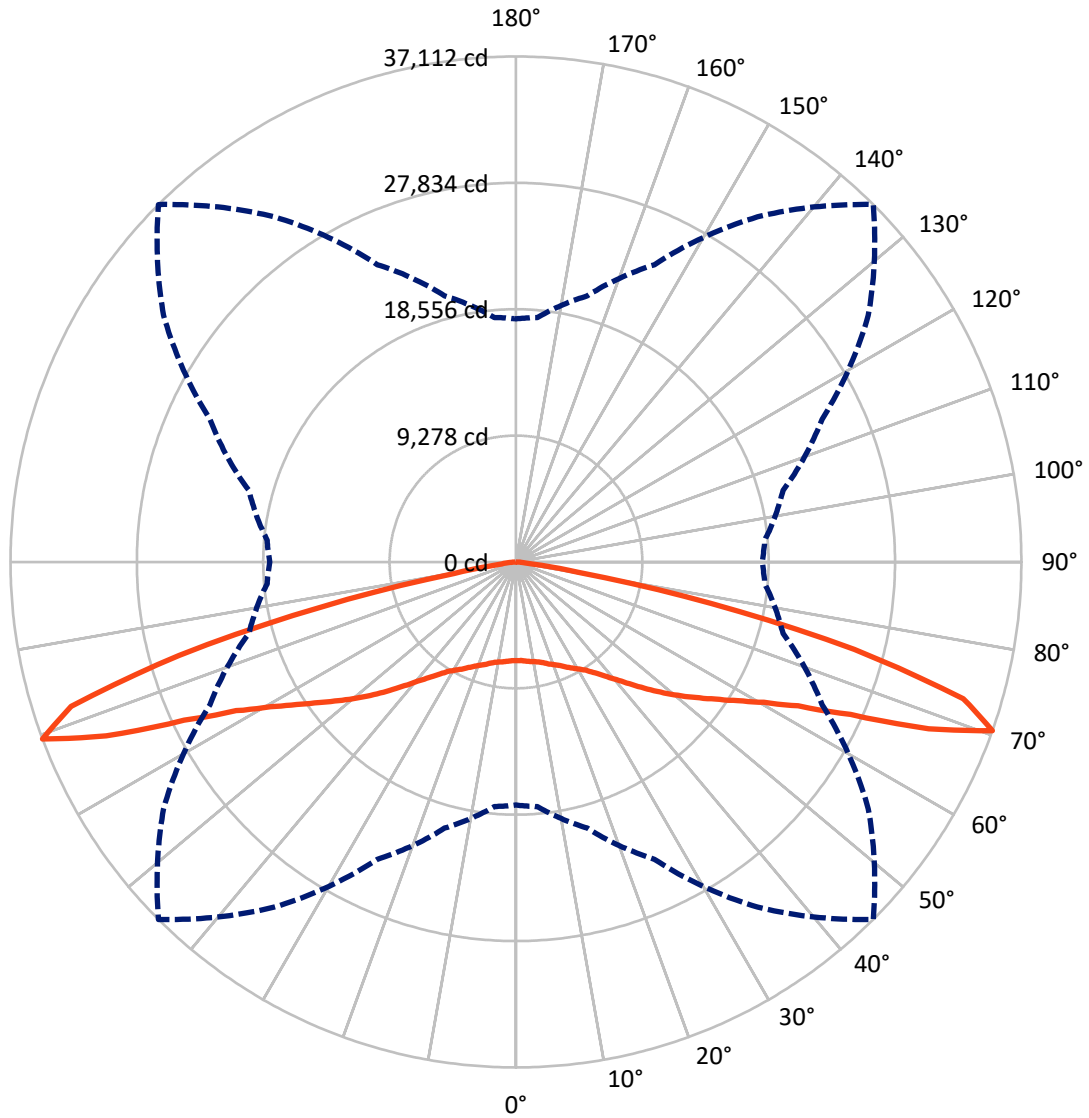
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	37789.0	0.0	37789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37789.0	0.0	37789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	75578.0	0.0	75578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.3	0.9
10°-20°	2180.9	2.9
20°-30°	3897.6	5.2
30°-40°	6317.9	8.4
40°-50°	10290.9	13.6
50°-60°	15690.1	20.8
60°-70°	23341.9	30.9
70°-80°	12722.1	16.8
80°-90°	433.2	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°	75578.0	100.0
0°-180°	75578.0	100.0

Coefficient of Utilization



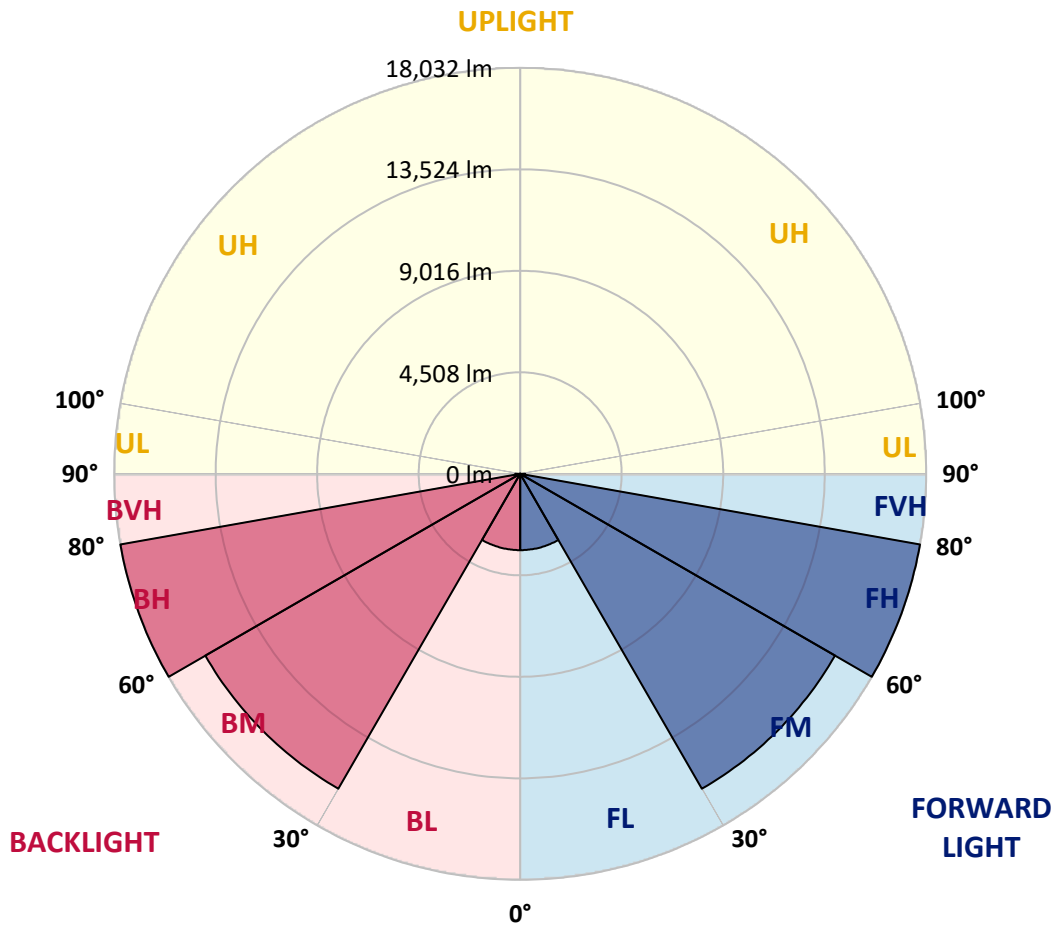
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3390.9	4.5			
FM (30°-60°)	16149.5	21.4			
FH (60°-80°)	18032.0	23.9			G5
FVH (80°-90°)	216.6	0.3			G2/225
BL (0°-30°)	3390.9	4.5	B4/5000		
BM (30°-60°)	16149.5	21.4	B5		
BH (60°-80°)	18032.0	23.9	B5		G5
BVH (80°-90°)	216.6	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°	7239.6	7239.6	7239.6	7239.6	7239.6	7239.6	7239.6	7239.6	7239.6	7239.6
2.5°	7273.7	7281.3	7266.2	7258.6	7251.0	7239.6	7243.4	7262.4	7277.5	7273.7
5°	7334.4	7342.0	7330.7	7326.9	7311.7	7307.9	7307.9	7326.9	7338.2	7330.7
7.5°	7402.7	7414.1	7395.2	7391.4	7383.8	7376.2	7372.4	7391.4	7402.7	7402.7
10°	7467.3	7478.6	7463.5	7452.1	7444.5	7444.5	7436.9	7452.1	7471.0	7467.3
12.5°	7535.5	7543.1	7528.0	7520.4	7520.4	7531.8	7520.4	7528.0	7543.1	7535.5
15°	7619.0	7622.8	7619.0	7630.4	7649.4	7687.3	7653.2	7645.6	7653.2	7634.2
17.5°	7732.9	7740.4	7755.6	7782.2	7808.7	7877.0	7816.3	7797.4	7797.4	7759.4
20°	7873.2	7884.6	7907.4	7952.9	7987.1	8051.6	7990.9	7964.3	7952.9	7903.6
22.5°	8021.2	8040.2	8074.3	8135.1	8195.8	8256.5	8195.8	8150.2	8116.1	8051.6
25°	8192.0	8214.7	8267.9	8366.5	8450.0	8537.3	8465.2	8374.1	8305.8	8214.7
27.5°	8434.8	8461.4	8525.9	8647.3	8753.5	8829.4	8761.1	8643.5	8548.6	8438.6
30°	8776.3	8802.9	8878.7	9007.8	9079.8	9129.2	9083.6	8992.6	8878.7	8753.5
32.5°	9216.4	9250.6	9334.1	9455.5	9470.7	9478.2	9463.1	9417.5	9334.1	9182.3
35°	9774.2	9812.1	9907.0	10005.7	9990.5	10005.7	9982.9	9967.7	9907.0	9732.5
37.5°	10457.2	10502.7	10601.4	10677.3	10639.3	10620.3	10624.1	10627.9	10593.8	10400.3
40°	11250.2	11310.9	11383.0	11462.7	11398.2	11341.3	11379.2	11409.6	11379.2	11181.9
42.5°	12066.0	12153.3	12229.1	12343.0	12289.8	12217.8	12270.9	12305.0	12240.5	12028.0
45°	12972.8	13056.3	13155.0	13325.7	13287.8	13211.9	13287.8	13295.3	13185.3	12934.9
47.5°	13910.0	13997.3	14145.3	14372.9	14357.8	14274.3	14372.9	14319.8	14179.4	13879.7
50°	14797.9	14919.3	15147.0	15465.7	15496.1	15393.6	15526.4	15424.0	15188.7	14813.1
52.5°	15632.7	15761.7	16122.1	16554.7	16664.7	16531.9	16710.2	16531.9	16179.0	15697.2
55°	16509.1	16653.3	17082.1	17647.4	17867.5	17768.9	17935.8	17666.4	17165.6	16581.2
57.5°	17541.2	17628.5	18140.7	18812.3	19184.2	19206.9	19282.8	18827.5	18220.4	17556.4
60°	18660.5	18782.0	19339.7	20144.1	20732.2	20922.0	20842.3	20166.9	19461.1	18698.5
62.5°	20094.8	20227.6	20895.4	21859.2	22788.8	23259.3	22948.1	21969.2	21096.5	20182.1
65°	21282.4	21430.4	22637.0	24355.8	26048.1	26992.9	26211.3	24409.0	22838.1	21548.0
67.5°	20421.1	20603.2	22496.6	25653.5	29861.4	32680.6	30005.6	26040.5	22963.3	21214.1
70°	17848.5	18019.3	20227.6	24086.4	30935.2	37112.4	31580.2	24796.0	20299.7	18341.8
72.5°	11849.7	12399.9	14634.7	19263.8	27622.8	34342.5	27895.9	18873.0	13576.1	11823.1
75°	3930.9	4371.1	5896.4	9986.7	18501.2	25683.9	17613.3	8837.0	4670.8	3361.8
77.5°	990.3	1142.1	1574.6	2857.1	7380.0	14623.4	6643.9	2333.5	1271.1	887.9
80°	481.9	531.2	758.9	952.4	1847.8	4648.1	1734.0	895.5	599.5	462.9
82.5°	265.6	269.4	428.8	538.8	686.8	1202.8	713.3	523.6	345.3	280.8
85°	163.2	159.4	227.7	288.4	288.4	428.8	341.5	288.4	197.3	174.5
87.5°	64.5	64.5	83.5	91.1	79.7	110.0	87.3	94.9	75.9	72.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7239.6
7277.5
7334.4
7402.7
7467.3
7531.8
7634.2
7759.4
7903.6
8047.8
8210.9
8434.8
8753.5
9186.1
9732.5
10400.3
11181.9
12043.2
12961.4
13860.7
14805.5
15651.6
16501.6
17465.3
18577.1
20022.7
21335.5
20952.3
18080.0
11439.9
3179.7
793.0
425.0
280.8
182.1
75.9
0.0

OF REPORT)