

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: P944530

Luminaire Tested: **GALN-SB9C-740-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
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-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

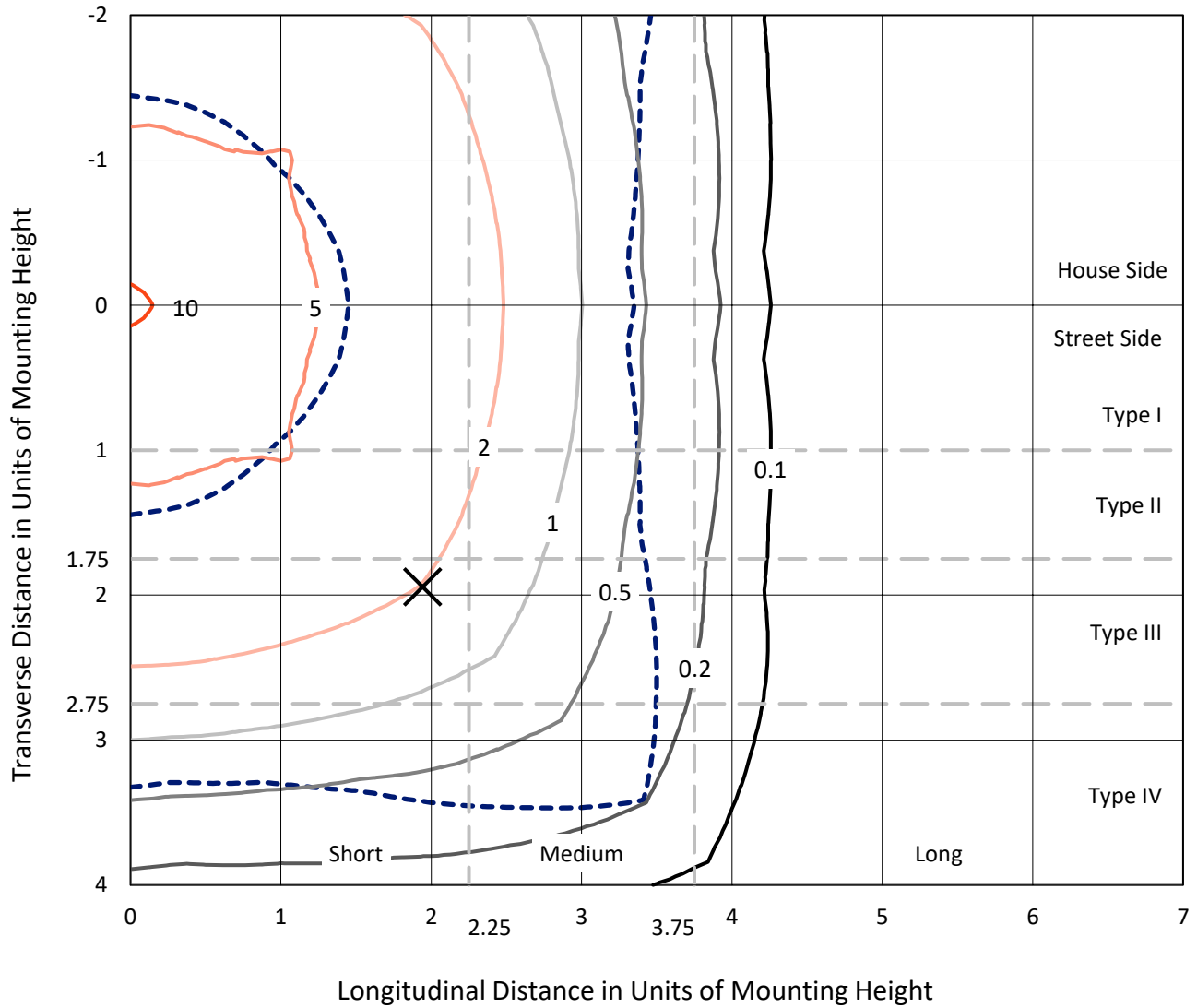
Lumens per Lamp: N/A  
Luminaire Lumens: 72998 lumens  
Efficiency: N/A  
Efficacy: 162.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

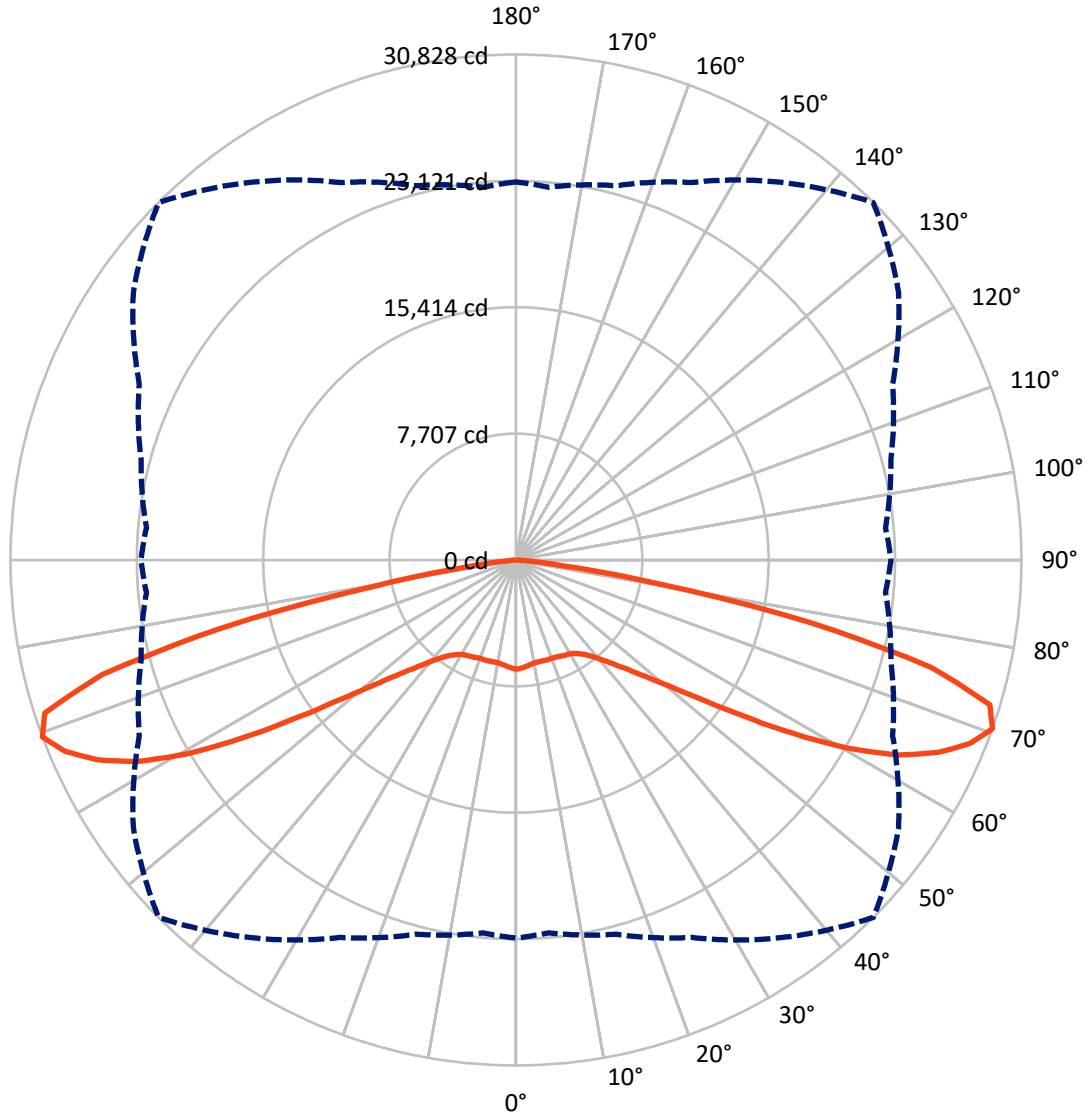
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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
<b>House Side</b>	Lumens	36499.0	0.0	36499.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36499.0	0.0	36499.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	72998.0	0.0	72998.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	619.4	0.8
10°-20°	1818.8	2.5
20°-30°	3026.8	4.1
30°-40°	4577.4	6.3
40°-50°	7606.5	10.4
50°-60°	14353.2	19.7
60°-70°	24236.0	33.2
70°-80°	15925.5	21.8
80°-90°	834.3	1.1
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°	72998.0	100.0
0°-180°	72998.0	100.0

**Coefficient of Utilization**



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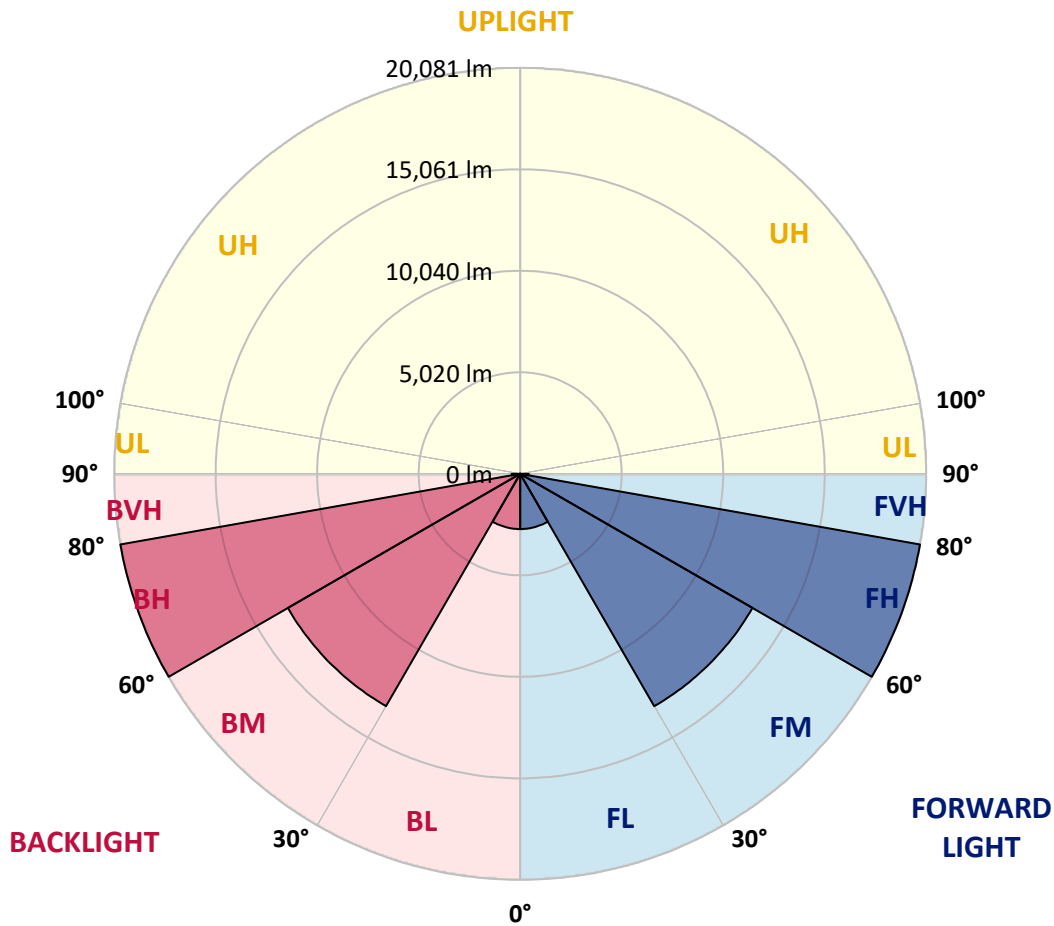
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2732.5	3.7			
FM (30°-60°)	13268.6	18.2			
FH (60°-80°)	20080.8	27.5			G5
FVH (80°-90°)	417.2	0.6			G3/500
BL (0°-30°)	2732.5	3.7	B4/5000		
BM (30°-60°)	13268.6	18.2	B5		
BH (60°-80°)	20080.8	27.5	B5		G5
BVH (80°-90°)	417.2	0.6			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6658.9	6658.9	6658.9	6658.9	6658.9	6658.9	6658.9	6658.9	6658.9	6658.9
2.5°	6617.2	6636.1	6628.5	6613.4	6613.4	6602.0	6613.4	6620.9	6632.3	6639.9
5°	6529.9	6545.1	6541.3	6529.9	6533.7	6522.3	6529.9	6541.3	6548.9	6552.6
7.5°	6454.0	6469.2	6461.6	6442.6	6442.6	6431.2	6435.0	6446.4	6457.8	6461.6
10°	6435.0	6450.2	6427.4	6397.1	6385.7	6370.5	6374.3	6385.7	6408.5	6419.9
12.5°	6442.6	6454.0	6431.2	6385.7	6374.3	6359.1	6359.1	6370.5	6400.9	6416.1
15°	6465.4	6476.8	6442.6	6393.3	6381.9	6370.5	6366.7	6381.9	6416.1	6442.6
17.5°	6507.1	6518.5	6465.4	6397.1	6381.9	6385.7	6381.9	6393.3	6446.4	6495.7
20°	6545.1	6552.6	6480.6	6397.1	6381.9	6385.7	6381.9	6404.7	6473.0	6541.3
22.5°	6556.4	6564.0	6495.7	6423.6	6412.3	6416.1	6412.3	6435.0	6499.5	6567.8
25°	6560.2	6571.6	6518.5	6461.6	6480.6	6488.1	6480.6	6484.4	6533.7	6594.4
27.5°	6617.2	6632.3	6583.0	6533.7	6545.1	6541.3	6552.6	6564.0	6602.0	6662.7
30°	6734.8	6746.2	6704.4	6655.1	6647.5	6620.9	6655.1	6693.0	6734.8	6787.9
32.5°	6928.3	6951.0	6897.9	6844.8	6810.7	6795.5	6822.0	6886.5	6943.5	7000.4
35°	7250.8	7266.0	7216.6	7118.0	7057.3	7057.3	7080.0	7163.5	7254.6	7326.7
37.5°	7706.1	7725.1	7637.8	7520.2	7429.1	7429.1	7459.5	7546.7	7683.3	7785.8
40°	8260.1	8286.6	8176.6	8055.2	7967.9	7952.7	7990.7	8089.3	8218.3	8347.3
42.5°	8927.8	8958.2	8814.0	8707.8	8639.5	8639.5	8658.5	8749.5	8867.1	9026.5
45°	9781.5	9834.7	9637.4	9531.1	9466.6	9481.8	9493.2	9572.9	9679.1	9861.2
47.5°	10798.4	10851.5	10642.8	10532.8	10521.4	10593.5	10548.0	10604.9	10661.8	10870.5
50°	11951.8	12042.9	11898.7	11891.1	11913.9	12046.7	11940.5	11970.8	11906.3	12039.1
52.5°	13363.3	13496.1	13469.5	13515.1	13769.3	14042.5	13799.6	13693.4	13450.6	13492.3
55°	15074.5	15275.6	15313.5	15586.7	16163.5	16721.2	16205.2	15776.4	15260.4	15165.6
57.5°	17021.0	17180.3	17362.4	17920.2	18997.7	19988.0	18997.7	18049.2	17237.2	17043.7
60°	19115.4	19312.7	19487.2	20310.6	21911.7	23304.2	21881.4	20375.1	19301.3	19039.5
62.5°	21365.4	21619.6	21741.0	22655.4	24522.2	26184.0	24548.7	22723.7	21532.3	21251.5
65°	23524.3	23733.0	23869.5	24844.7	26628.0	28293.6	26749.4	24950.9	23725.4	23357.3
67.5°	24529.7	24643.6	24977.5	26081.6	27963.5	29864.4	28282.2	26199.2	24829.5	24184.5
70°	23057.6	22826.1	23630.5	25398.6	28122.9	30828.2	28487.1	25345.5	23668.5	22621.2
72.5°	17817.7	17419.3	18815.6	21839.6	26301.7	30213.5	26483.8	22010.4	19684.5	17559.7
75°	9694.3	9242.8	11170.2	14994.8	20974.5	26187.8	21456.4	15423.6	12437.5	9622.2
77.5°	2735.6	2564.9	4120.5	7254.6	12615.8	18386.9	13101.5	7413.9	4887.0	2898.8
80°	838.5	812.0	1100.3	2185.5	5357.5	8806.4	5148.8	2212.0	1400.1	884.1
82.5°	497.0	455.3	546.4	796.8	1365.9	2766.0	1328.0	830.9	667.8	447.7
85°	284.6	265.6	322.5	387.0	459.1	588.1	383.2	394.6	356.7	239.0
87.5°	117.6	106.2	125.2	121.4	106.2	136.6	102.4	121.4	144.2	94.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
6658.9  
6636.1  
6552.6  
6461.6  
6419.9  
6419.9  
6446.4  
6495.7  
6545.1  
6567.8  
6590.6  
6647.5  
6776.5  
6977.6  
7300.1  
7747.8  
8305.6  
9015.1  
9853.6  
10809.8  
11959.4  
13351.9  
15017.6  
16907.1  
18811.8  
21023.9  
23175.2  
24192.1  
*22871.7*  
18087.1  
10248.2  
3221.3  
933.4  
485.7  
250.4  
87.3  
0.0

OF REPORT)