

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: P944510

Luminaire Tested: **GALN-SB9C-730-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944510
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68998 lumens
Efficiency: N/A
Efficacy: 153.4 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

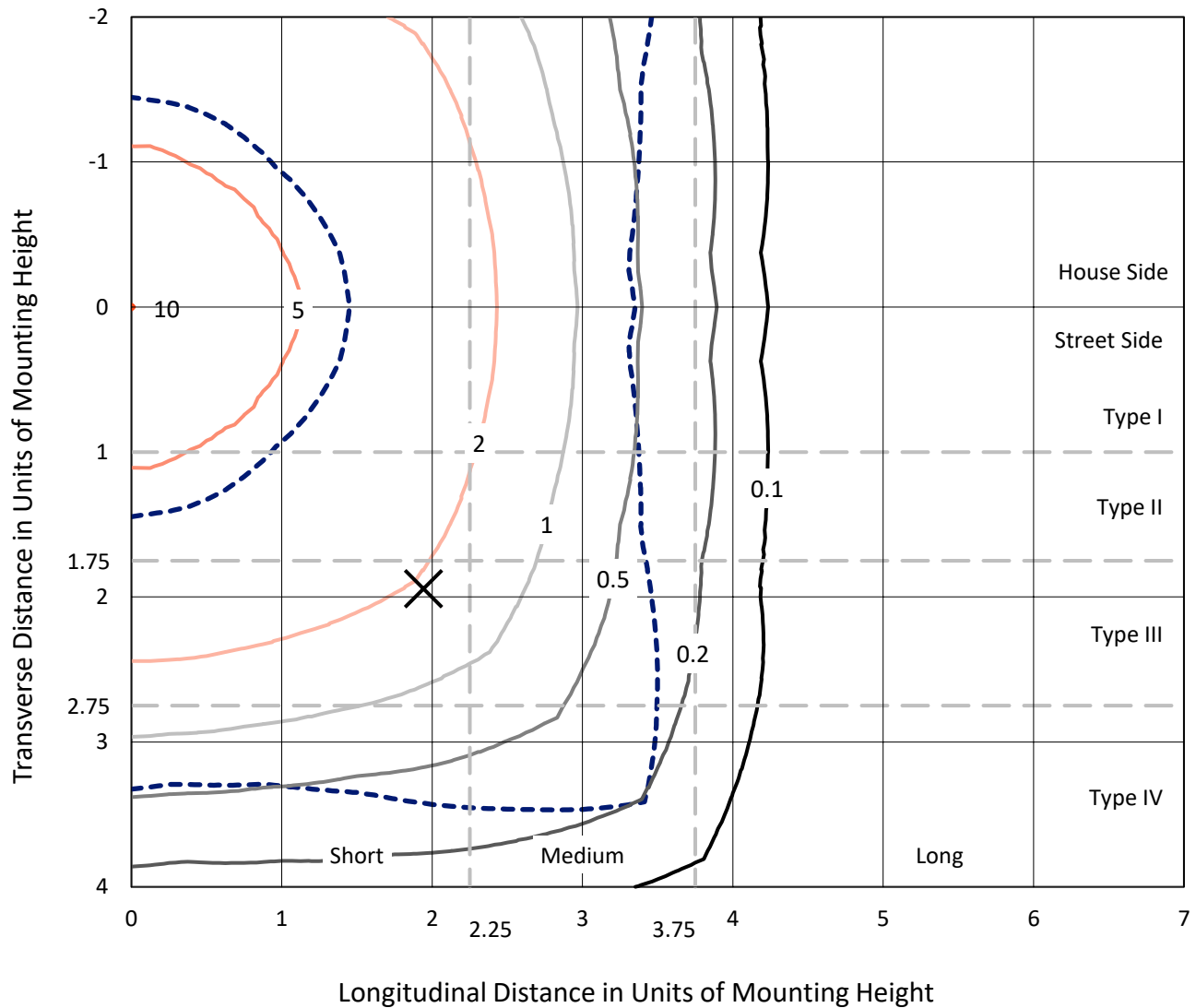


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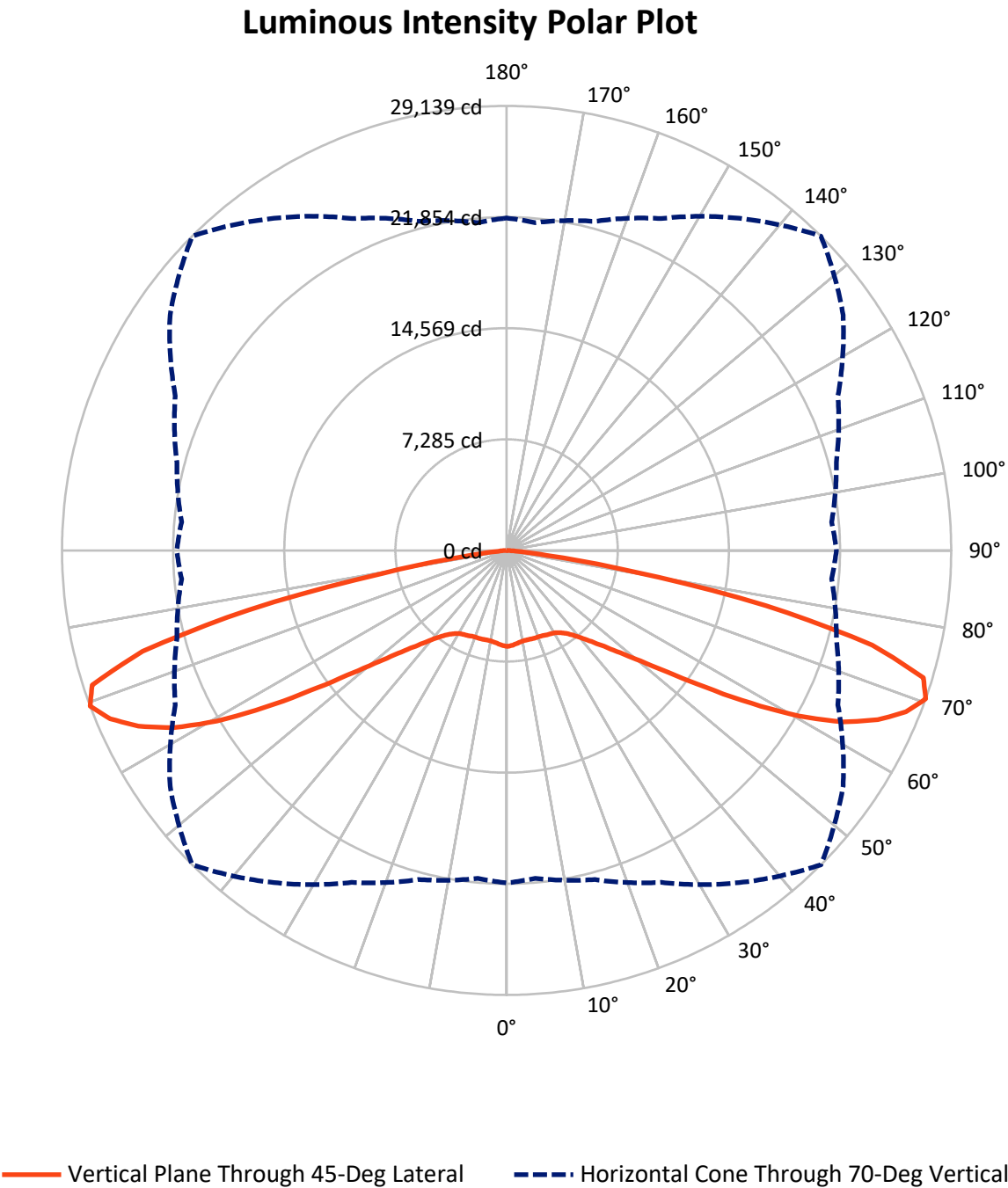
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34499.0	0.0	34499.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34499.0	0.0	34499.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	68998.0	0.0	68998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.5	0.8
10°-20°	1719.1	2.5
20°-30°	2860.9	4.1
30°-40°	4326.6	6.3
40°-50°	7189.7	10.4
50°-60°	13566.7	19.7
60°-70°	22908.0	33.2
70°-80°	15052.9	21.8
80°-90°	788.6	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°	68998.0	100.0
0°-180°	68998.0	100.0

Coefficient of Utilization



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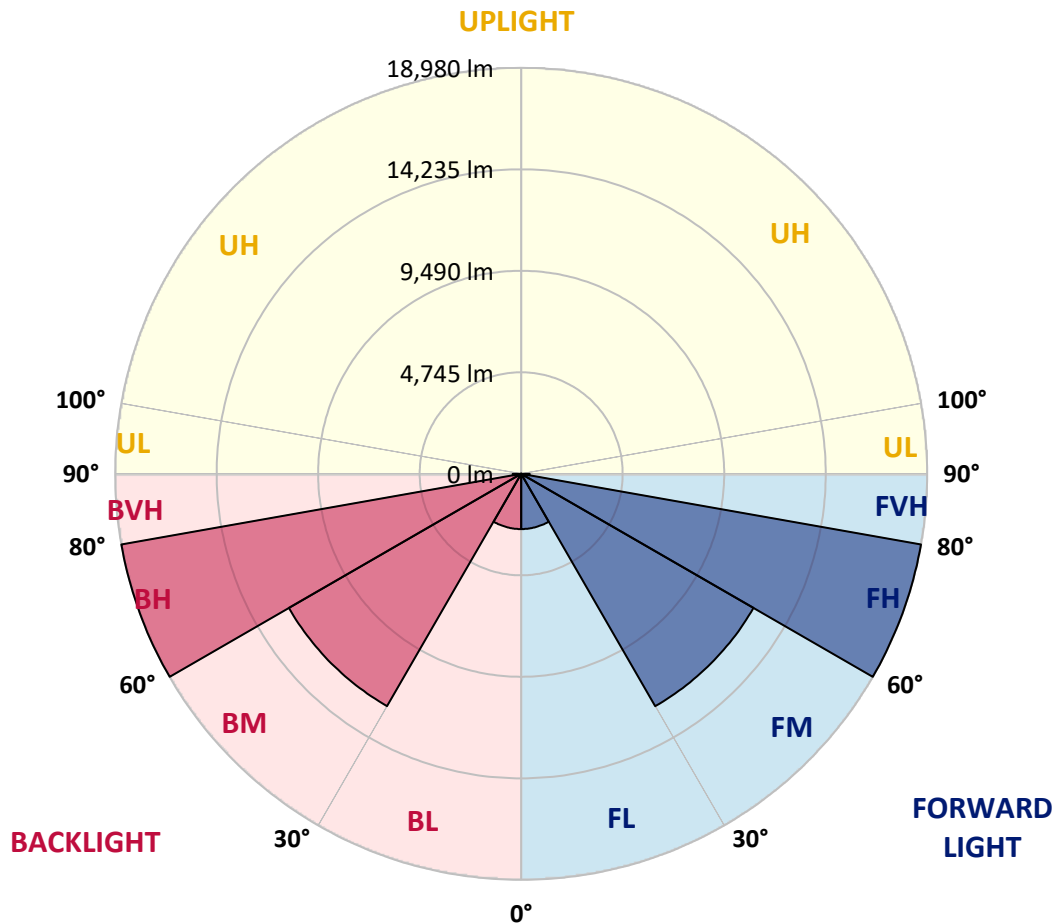
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2582.8	3.7			
FM	(30°-60°)	12541.5	18.2			
FH	(60°-80°)	18980.4	27.5			G5
FVH	(80°-90°)	394.3	0.6			G3/500
BL	(0°-30°)	2582.8	3.7	B4/5000		
BM	(30°-60°)	12541.5	18.2	B5		
BH	(60°-80°)	18980.4	27.5	B5		G5
BVH	(80°-90°)	394.3	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°	90°
0°	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0	6294.0
2.5°	6254.6	6272.5	6265.3	6251.0	6251.0	6240.2	6251.0	6258.1	6268.9	6276.1	6272.5
5°	6172.1	6186.4	6182.8	6172.1	6175.7	6164.9	6172.1	6182.8	6190.0	6193.6	6193.6
7.5°	6100.3	6114.7	6107.5	6089.6	6089.6	6078.8	6082.4	6093.2	6103.9	6107.5	6107.5
10°	6082.4	6096.8	6075.2	6046.6	6035.8	6021.4	6025.0	6035.8	6057.3	6068.1	6068.1
12.5°	6089.6	6100.3	6078.8	6035.8	6025.0	6010.7	6010.7	6021.4	6050.1	6064.5	6068.1
15°	6111.1	6121.9	6089.6	6043.0	6032.2	6021.4	6017.9	6032.2	6064.5	6089.6	6093.2
17.5°	6150.6	6161.3	6111.1	6046.6	6032.2	6035.8	6032.2	6043.0	6093.2	6139.8	6139.8
20°	6186.4	6193.6	6125.4	6046.6	6032.2	6035.8	6032.2	6053.7	6118.3	6182.8	6186.4
22.5°	6197.2	6204.3	6139.8	6071.7	6060.9	6064.5	6060.9	6082.4	6143.4	6207.9	6207.9
25°	6200.8	6211.5	6161.3	6107.5	6125.4	6132.6	6125.4	6129.0	6175.7	6233.0	6229.5
27.5°	6254.6	6268.9	6222.3	6175.7	6186.4	6182.8	6193.6	6204.3	6240.2	6297.6	6283.2
30°	6365.7	6376.5	6337.0	6290.4	6283.2	6258.1	6290.4	6326.3	6365.7	6415.9	6405.2
32.5°	6548.6	6570.2	6519.9	6469.7	6437.5	6423.1	6448.2	6509.2	6563.0	6616.8	6595.3
35°	6853.5	6867.8	6821.2	6728.0	6670.6	6670.6	6692.1	6771.0	6857.1	6925.2	6900.1
37.5°	7283.8	7301.8	7219.3	7108.1	7022.0	7022.0	7050.7	7133.2	7262.3	7359.1	7323.3
40°	7807.4	7832.5	7728.5	7613.8	7531.3	7516.9	7552.8	7646.1	7768.0	7889.9	7850.5
42.5°	8438.6	8467.3	8331.0	8230.6	8166.1	8166.1	8184.0	8270.1	8381.3	8531.9	8521.1
45°	9245.6	9295.8	9109.3	9008.9	8947.9	8962.2	8973.0	9048.3	9148.7	9320.9	9313.7
47.5°	10206.7	10256.9	10059.7	9955.6	9944.9	10013.0	9970.0	10023.8	10077.6	10274.8	10217.5
50°	11296.9	11383.0	11246.7	11239.6	11261.1	11386.6	11286.2	11314.9	11253.9	11379.4	11304.1
52.5°	12631.0	12756.6	12731.5	12774.5	13014.8	13273.0	13043.5	12943.1	12713.5	12753.0	12620.3
55°	14248.5	14438.6	14474.4	14732.6	15277.8	15805.0	15317.2	14912.0	14424.2	14334.6	14194.7
57.5°	16088.3	16238.9	16411.0	16938.2	17956.7	18892.8	17956.7	17060.2	16292.7	16109.8	15980.7
60°	18067.9	18254.4	18419.4	19197.6	20711.0	22027.2	20682.4	19258.6	18243.7	17996.2	17781.0
62.5°	20194.6	20434.9	20549.7	21414.0	23178.4	24749.3	23203.5	21478.5	20352.4	20087.0	19871.8
65°	22235.2	22432.5	22561.6	23483.3	25168.9	26743.3	25283.6	23583.7	22425.3	22077.4	21905.3
67.5°	23185.6	23293.2	23608.8	24652.4	26431.2	28228.0	26732.5	24763.6	23468.9	22859.3	22866.4
70°	21794.1	21575.4	22335.7	24006.9	26581.9	29138.9	26926.2	23956.7	22371.5	21381.7	21618.4
72.5°	16841.4	16464.8	17784.6	20642.9	24860.4	28557.9	25032.6	20804.3	18605.9	16597.5	17096.0
75°	9163.1	8736.3	10558.2	14173.2	19825.2	24752.8	20280.7	14578.4	11756.0	9094.9	9686.7
77.5°	2585.7	2424.4	3894.8	6857.1	11924.5	17379.3	12383.6	7007.7	4619.2	2740.0	3044.8
80°	792.6	767.5	1040.0	2065.7	5063.9	8323.9	4866.6	2090.8	1323.4	835.6	882.2
82.5°	469.8	430.4	516.4	753.1	1291.1	2614.4	1255.2	785.4	631.2	423.2	459.1
85°	269.0	251.0	304.8	365.8	433.9	555.9	362.2	373.0	337.1	225.9	236.7
87.5°	111.2	100.4	118.3	114.8	100.4	129.1	96.8	114.8	136.3	89.7	82.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)