

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: P956696

Luminaire Tested: **GALN-SB9B-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56862 lumens
Efficiency: N/A
Efficacy: 172.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

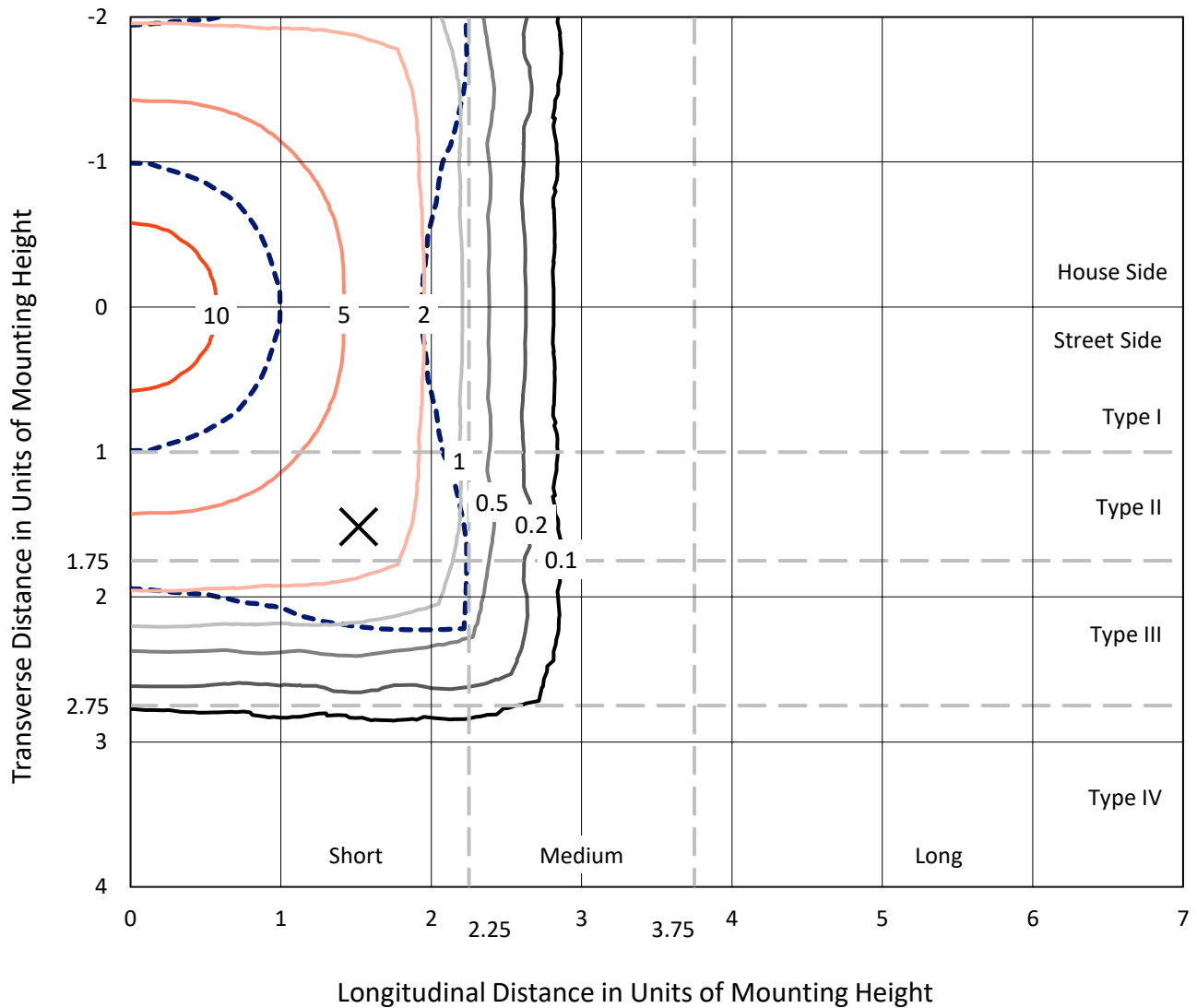
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

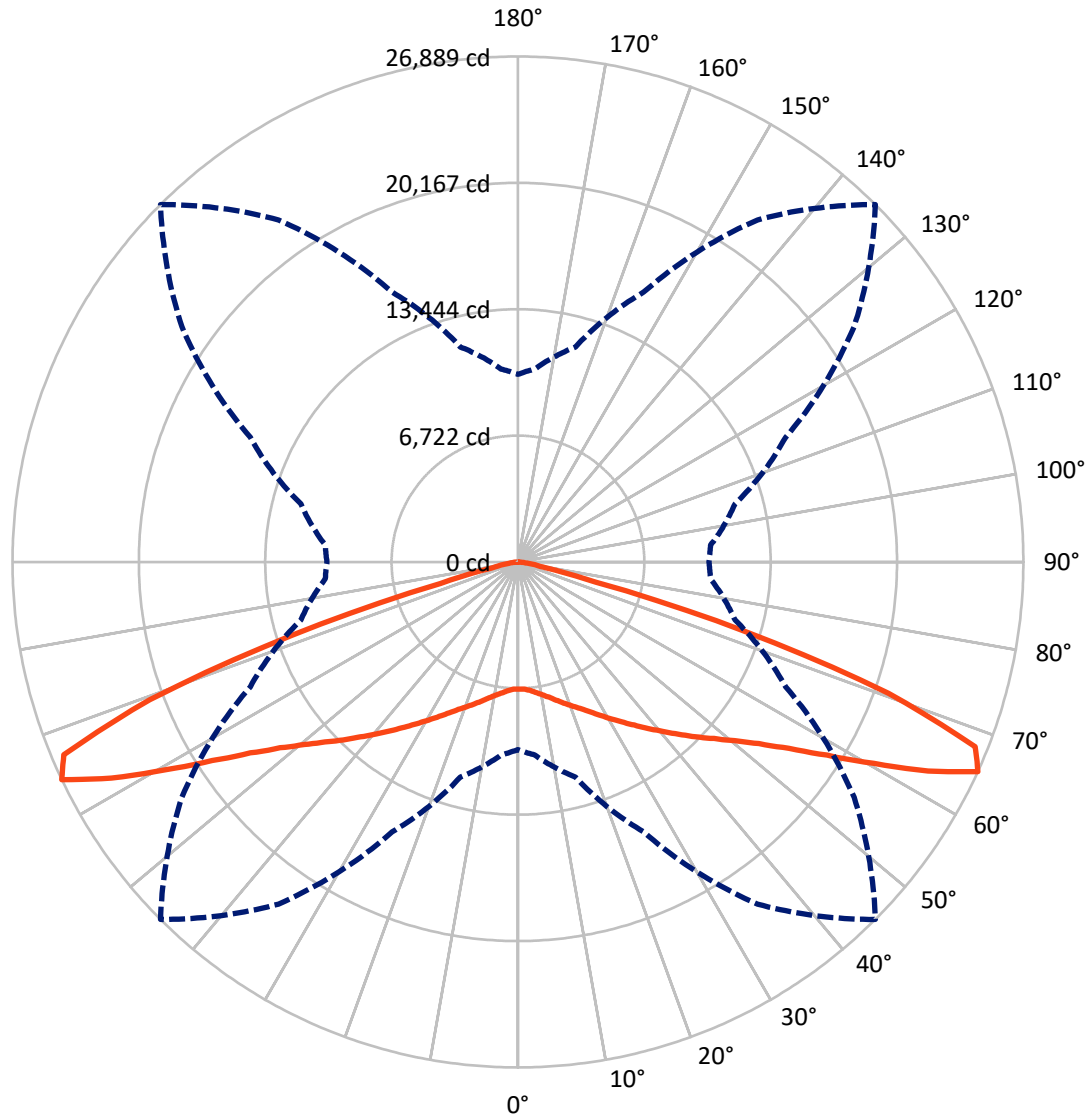
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28431.0	0.0	28431.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28431.0	0.0	28431.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56862.0	0.0	56862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.8	1.2
10°-20°	2179.3	3.8
20°-30°	4114.7	7.2
30°-40°	6737.6	11.8
40°-50°	10446.8	18.4
50°-60°	15432.1	27.1
60°-70°	14689.9	25.8
70°-80°	2370.4	4.2
80°-90°	223.4	0.4
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°	56862.0	100.0
0°-180°	56862.0	100.0

Coefficient of Utilization



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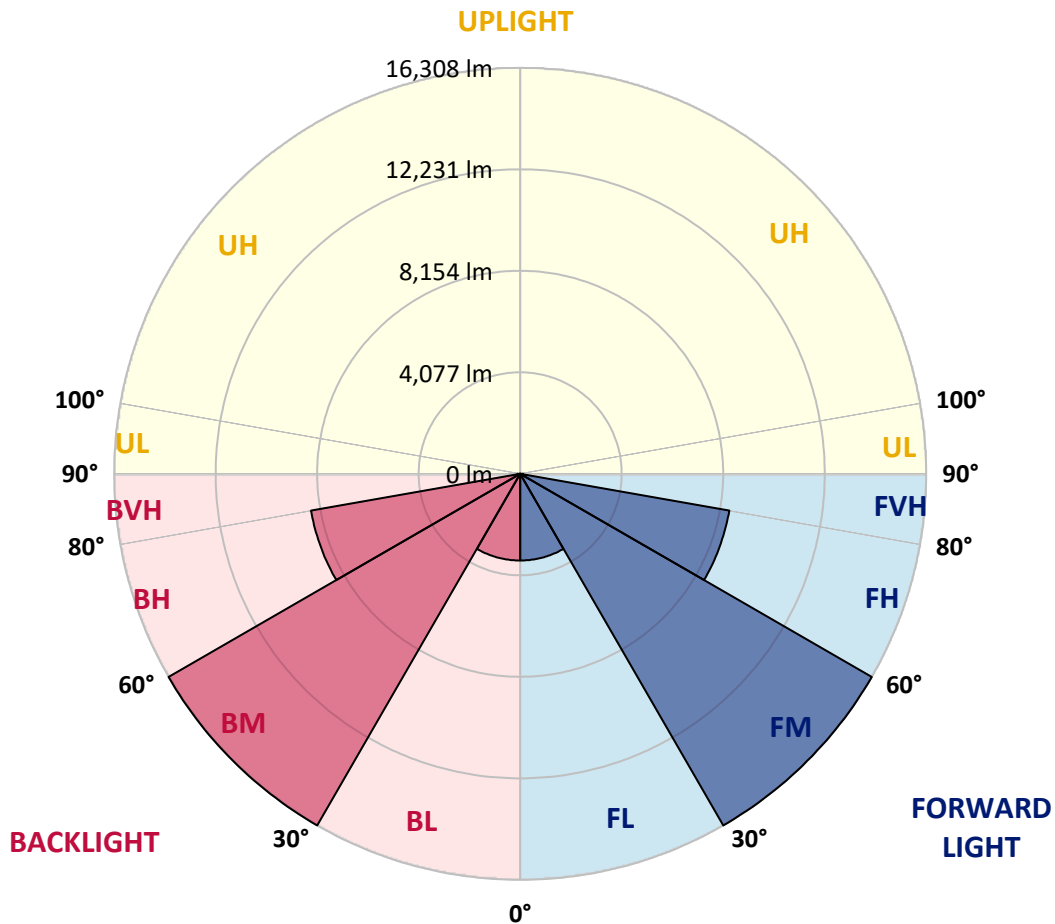
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3480.9	6.1			
FM (30°-60°)	16308.2	28.7			
FH (60°-80°)	8530.2	15.0			G4/12000
FVH (80°-90°)	111.7	0.2			G2/225
BL (0°-30°)	3480.9	6.1	B4/5000		
BM (30°-60°)	16308.2	28.7	B5		
BH (60°-80°)	8530.2	15.0	B5		G4/12000
BVH (80°-90°)	111.7	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6767.1	6767.1	6767.1	6767.1	6767.1	6767.1	6767.1	6767.1	6767.1	6767.1
2.5°	6812.8	6790.0	6807.1	6792.8	6781.4	6770.0	6775.7	6795.7	6804.2	6807.1
5°	6904.1	6884.1	6892.7	6892.7	6872.7	6867.0	6869.9	6884.1	6901.2	6901.2
7.5°	7052.4	7032.5	7052.4	7041.0	7023.9	7018.2	7015.4	7026.8	7052.4	7052.4
10°	7232.2	7209.4	7220.8	7215.1	7195.1	7186.5	7183.7	7200.8	7223.6	7220.8
12.5°	7429.0	7403.3	7417.6	7400.5	7394.8	7386.2	7386.2	7383.4	7397.6	7386.2
15°	7648.7	7631.6	7637.3	7625.9	7634.4	7628.7	7605.9	7594.5	7600.2	7583.1
17.5°	7908.3	7868.4	7888.3	7882.6	7882.6	7894.1	7857.0	7842.7	7854.1	7837.0
20°	8207.9	8167.9	8176.5	8165.1	8150.8	8162.2	8116.6	8128.0	8136.6	8125.1
22.5°	8536.0	8484.6	8481.8	8487.5	8456.1	8458.9	8427.6	8456.1	8473.2	8441.8
25°	8872.6	8818.4	8855.5	8841.2	8801.3	8809.8	8787.0	8815.5	8829.8	8789.9
27.5°	9229.2	9192.1	9226.4	9234.9	9186.4	9220.7	9186.4	9212.1	9226.4	9166.5
30°	9645.8	9608.7	9640.0	9662.9	9605.8	9660.0	9631.5	9648.6	9651.5	9580.1
32.5°	10099.4	10042.3	10122.2	10133.6	10070.8	10136.5	10099.4	10122.2	10136.5	10039.5
35°	10652.8	10581.5	10672.8	10658.5	10604.3	10658.5	10624.3	10658.5	10692.8	10575.8
37.5°	11249.1	11174.9	11271.9	11246.2	11194.9	11232.0	11212.0	11234.8	11289.0	11163.5
40°	11905.3	11814.0	11945.2	11899.6	11851.1	11845.4	11856.8	11871.0	11942.4	11802.6
42.5°	12607.1	12510.1	12706.9	12635.6	12567.2	12521.5	12558.6	12587.1	12655.6	12498.7
45°	13408.8	13297.5	13554.3	13468.7	13360.3	13266.1	13326.0	13368.8	13468.7	13280.4
47.5°	14293.2	14167.6	14441.5	14415.8	14239.0	14033.6	14170.5	14293.2	14367.3	14139.1
50°	15157.6	15060.6	15420.1	15451.5	15234.6	14946.5	15137.6	15323.1	15343.1	15043.5
52.5°	15967.8	15870.8	16392.9	16589.8	16395.8	16053.4	16256.0	16444.3	16293.1	15905.1
55°	16615.5	16535.6	17200.3	17708.1	17773.7	17491.3	17611.1	17605.4	17109.0	16512.8
57.5°	16772.4	16761.0	17599.7	18675.3	19360.0	19394.2	19157.4	18552.6	17482.7	16681.1
60°	16059.1	16130.5	17283.0	19180.2	21006.1	21765.0	20740.8	19014.8	17057.7	15945.0
62.5°	13925.1	14113.4	15502.8	18564.0	22335.6	24492.4	22010.3	18312.9	15311.7	13859.5
65°	9979.5	10307.6	11842.5	15842.3	22215.8	26888.9	21827.8	15713.9	11956.6	10282.0
67.5°	4527.6	4861.4	6165.2	10846.8	19311.5	26238.4	19265.8	10961.0	6473.3	4878.5
70°	1640.4	1697.5	2116.9	4342.2	12341.8	20906.3	12869.6	4373.5	2251.0	1808.8
72.5°	992.8	1001.4	1089.8	1554.8	4288.0	12692.7	4470.5	1606.2	1112.6	987.1
75°	630.5	624.8	776.0	950.0	1520.6	4282.2	1594.8	950.0	773.1	704.7
77.5°	453.6	467.9	556.3	710.4	958.6	1452.1	941.5	679.0	556.3	456.5
80°	339.5	348.1	405.1	553.5	673.3	904.4	599.1	502.1	419.4	285.3
82.5°	245.4	245.4	265.3	402.3	410.8	487.9	325.2	353.8	276.7	202.6
85°	145.5	142.6	165.5	239.6	214.0	179.7	148.4	216.8	174.0	125.5
87.5°	51.4	54.2	51.4	68.5	57.1	48.5	45.6	59.9	48.5	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6767.1
6807.1
6901.2
7043.9
7215.1
7391.9
7585.9
7851.3
8150.8
8473.2
8835.5
9212.1
9622.9
10105.1
10647.1
11240.5
11848.2
12581.4
13377.4
14216.1
15080.6
15916.5
16532.7
16629.7
15813.8
13773.9
10159.3
4807.2
1785.9
1004.2
710.4
465.0
293.9
202.6
122.7
39.9
0.0

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