

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: P938750

Luminaire Tested: **GALN-SB1A-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938750
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-SB1A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4802 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

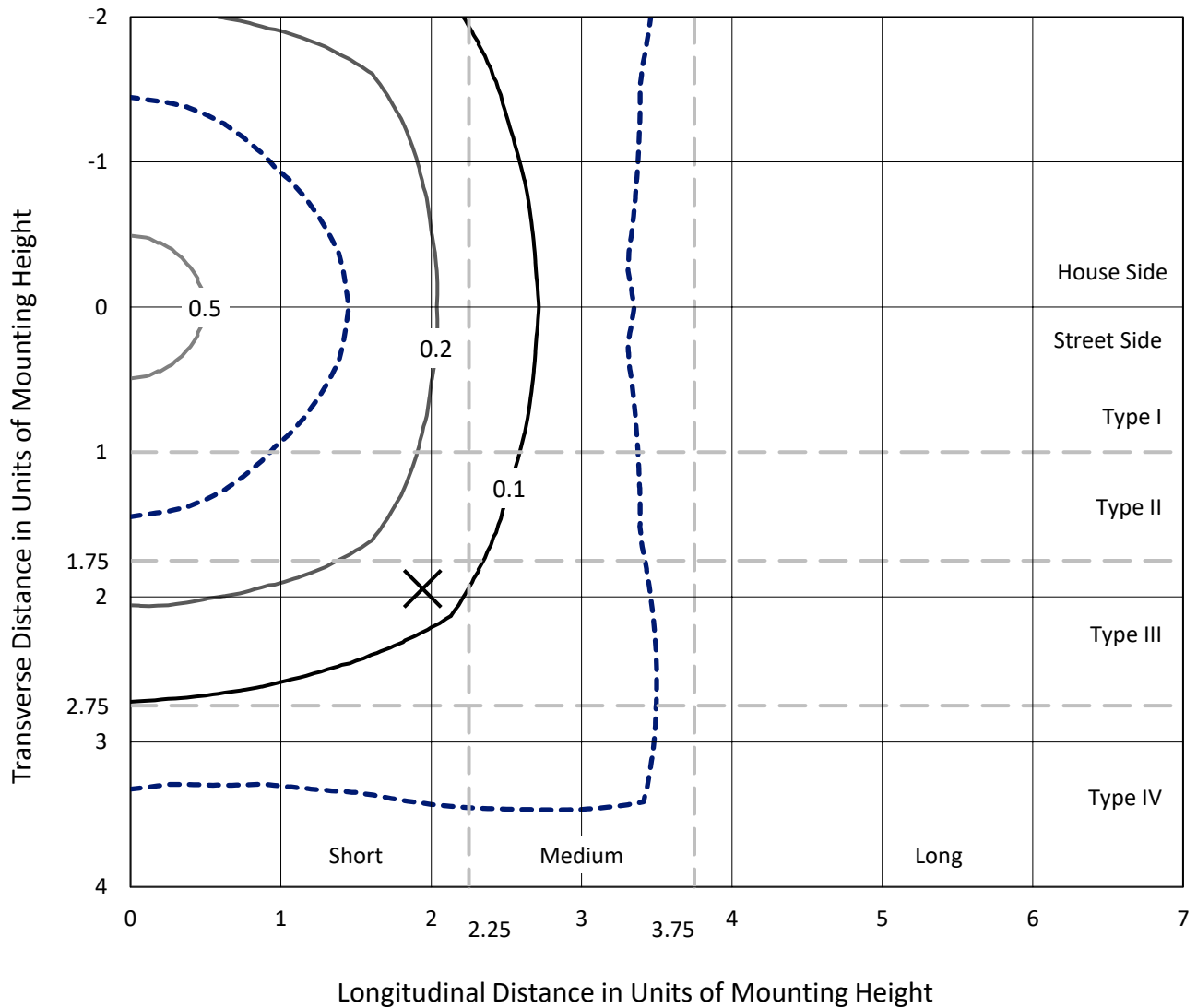
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

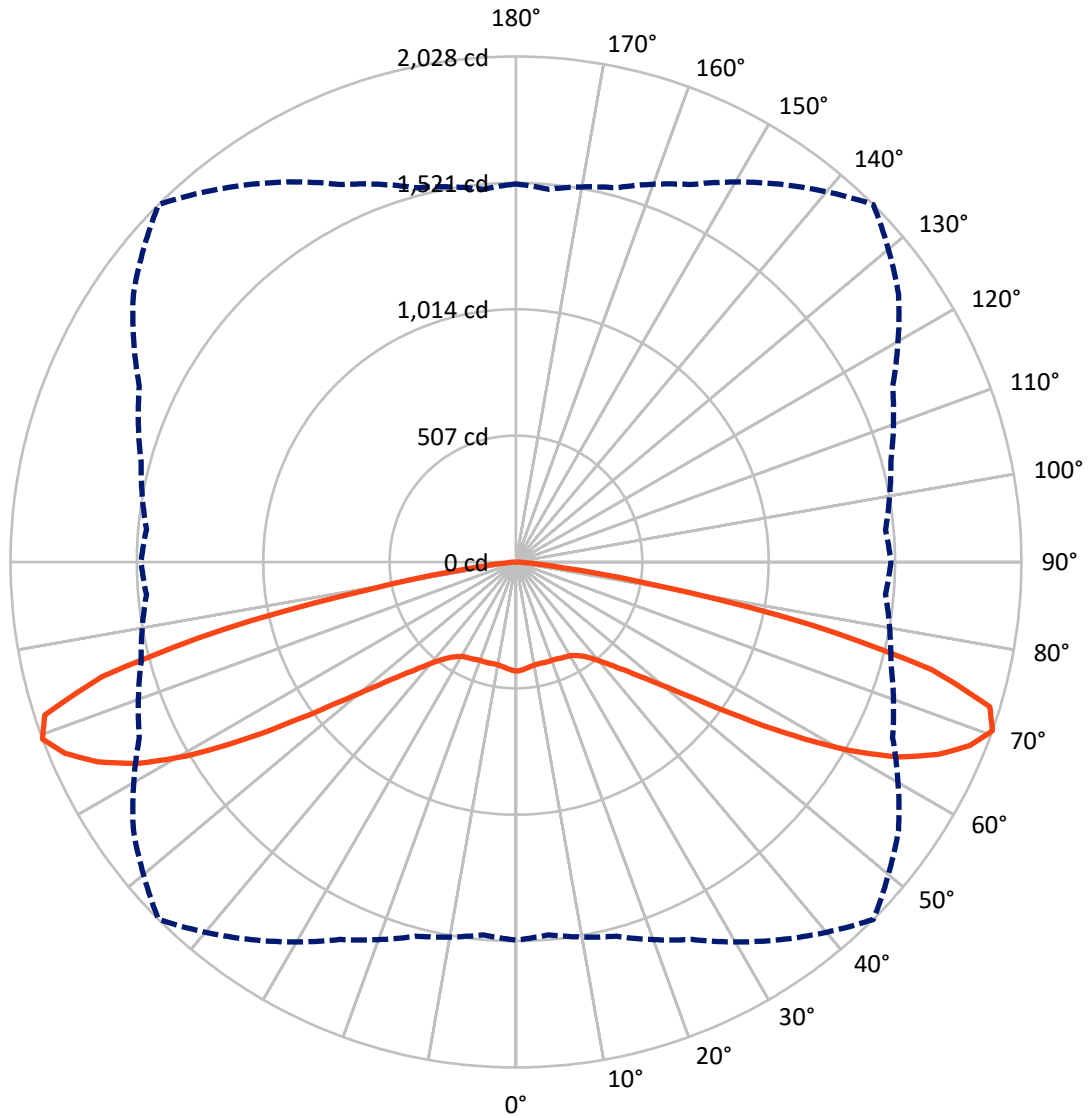
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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
House Side	Lumens	2401.0	0.0	2401.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2401.0	0.0	2401.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4802.0	0.0	4802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	0.8
10°-20°	119.6	2.5
20°-30°	199.1	4.1
30°-40°	301.1	6.3
40°-50°	500.4	10.4
50°-60°	944.2	19.7
60°-70°	1594.3	33.2
70°-80°	1047.6	21.8
80°-90°	54.9	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°	4802.0	100.0
0°-180°	4802.0	100.0

Coefficient of Utilization



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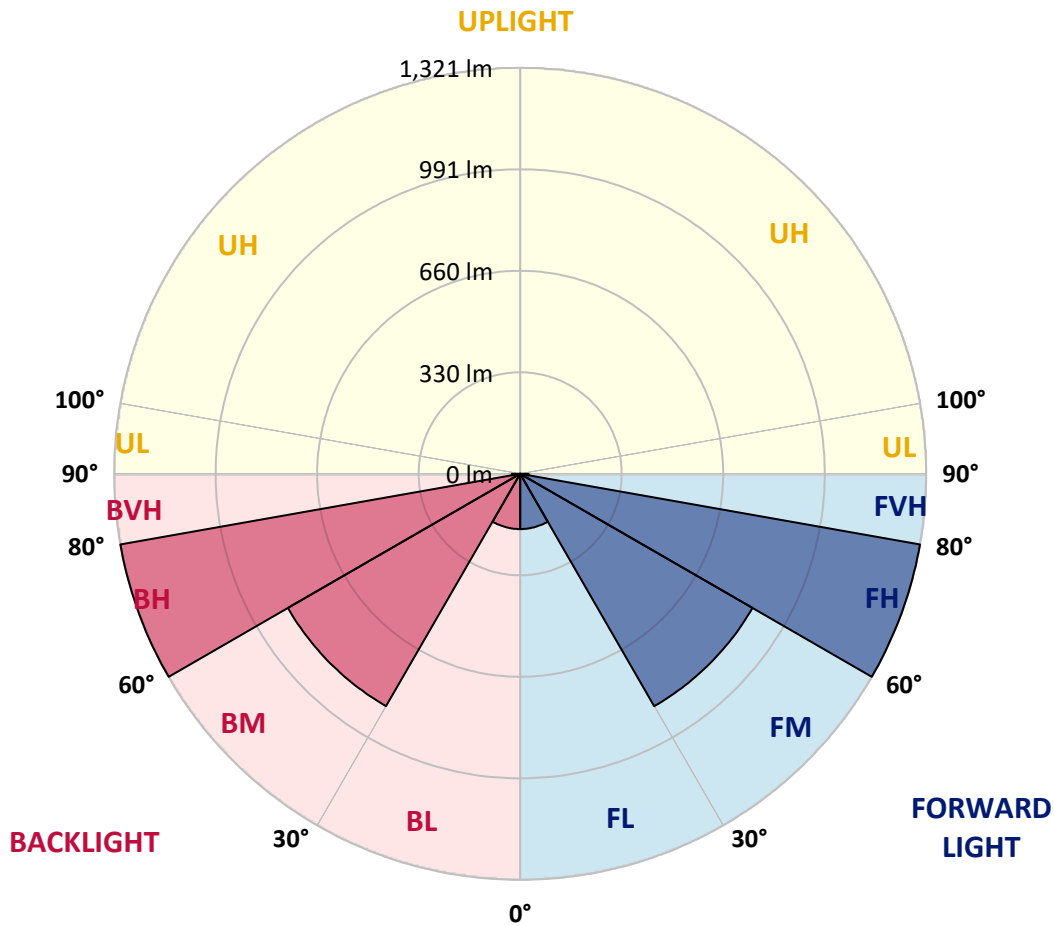
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.8	3.7			
FM	(30°-60°)	872.8	18.2			
FH	(60°-80°)	1321.0	27.5			G1/1800
FVH	(80°-90°)	27.4	0.6			G1/100
BL	(0°-30°)	179.8	3.7	B1/500		
BM	(30°-60°)	872.8	18.2	B1/1000		
BH	(60°-80°)	1321.0	27.5	B3/2500		G1/1800
BVH	(80°-90°)	27.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	435.3	436.5	436.0	435.0	435.0	434.3	435.0	435.5	436.3	436.8
5°	429.6	430.6	430.3	429.6	429.8	429.1	429.6	430.3	430.8	431.1
7.5°	424.6	425.6	425.1	423.8	423.8	423.1	423.3	424.1	424.8	425.1
10°	423.3	424.3	422.8	420.8	420.1	419.1	419.3	420.1	421.6	422.3
12.5°	423.8	424.6	423.1	420.1	419.3	418.3	418.3	419.1	421.1	422.1
15°	425.3	426.1	423.8	420.6	419.8	419.1	418.8	419.8	422.1	423.8
17.5°	428.1	428.8	425.3	420.8	419.8	420.1	419.8	420.6	424.1	427.3
20°	430.6	431.1	426.3	420.8	419.8	420.1	419.8	421.3	425.8	430.3
22.5°	431.3	431.8	427.3	422.6	421.8	422.1	421.8	423.3	427.6	432.0
25°	431.5	432.3	428.8	425.1	426.3	426.8	426.3	426.6	429.8	433.8
27.5°	435.3	436.3	433.0	429.8	430.6	430.3	431.1	431.8	434.3	438.3
30°	443.0	443.8	441.0	437.8	437.3	435.5	437.8	440.3	443.0	446.5
32.5°	455.8	457.3	453.8	450.3	448.0	447.0	448.8	453.0	456.8	460.5
35°	477.0	478.0	474.7	468.2	464.2	464.2	465.7	471.2	477.2	482.0
37.5°	506.9	508.2	502.4	494.7	488.7	488.7	490.7	496.4	505.4	512.2
40°	543.4	545.1	537.9	529.9	524.1	523.2	525.6	532.1	540.6	549.1
42.5°	587.3	589.3	579.8	572.8	568.3	568.3	569.6	575.6	583.3	593.8
45°	643.5	647.0	634.0	627.0	622.7	623.7	624.5	629.7	636.7	648.7
47.5°	710.3	713.8	700.1	692.9	692.1	696.9	693.9	697.6	701.4	715.1
50°	786.2	792.2	782.7	782.2	783.7	792.5	785.5	787.5	783.2	792.0
52.5°	879.1	887.8	886.1	889.1	905.8	923.8	907.8	900.8	884.8	887.6
55°	991.6	1004.9	1007.4	1025.3	1063.3	1100.0	1066.0	1037.8	1003.9	997.6
57.5°	1119.7	1130.2	1142.1	1178.8	1249.7	1314.9	1249.7	1187.3	1133.9	1121.2
60°	1257.5	1270.4	1281.9	1336.1	1441.4	1533.0	1439.4	1340.3	1269.7	1252.5
62.5°	1405.5	1422.2	1430.2	1490.3	1613.1	1722.5	1614.9	1494.8	1416.5	1398.0
65°	1547.5	1561.2	1570.2	1634.3	1751.7	1861.2	1759.6	1641.3	1560.7	1536.5
67.5°	1613.6	1621.1	1643.1	1715.7	1839.5	1964.6	1860.5	1723.5	1633.3	1590.9
70°	1516.8	1501.6	1554.5	1670.8	1850.0	2028.0	1874.0	1667.3	1557.0	1488.1
72.5°	1172.1	1145.9	1237.7	1436.7	1730.2	1987.5	1742.2	1447.9	1294.9	1155.1
75°	637.7	608.0	734.8	986.4	1379.8	1722.7	1411.5	1014.6	818.2	633.0
77.5°	180.0	168.7	271.1	477.2	829.9	1209.5	861.9	487.7	321.5	190.7
80°	55.2	53.4	72.4	143.8	352.4	579.3	338.7	145.5	92.1	58.2
82.5°	32.7	30.0	35.9	52.4	89.9	182.0	87.4	54.7	43.9	29.5
85°	18.7	17.5	21.2	25.5	30.2	38.7	25.2	26.0	23.5	15.7
87.5°	7.7	7.0	8.2	8.0	7.0	9.0	6.7	8.0	9.5	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
438.0
436.5
431.1
425.1
422.3
422.3
424.1
427.3
430.6
432.0
433.5
437.3
445.8
459.0
480.2
509.7
546.4
593.0
648.2
711.1
786.7
878.3
987.9
1112.2
1237.5
1383.0
1524.5
1591.4
1504.6
1189.8
674.2
211.9
61.4
31.9
16.5
5.7
0.0

OF REPORT)