

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: P938860

Luminaire Tested: **GALN-SB1A-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938860
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3289 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

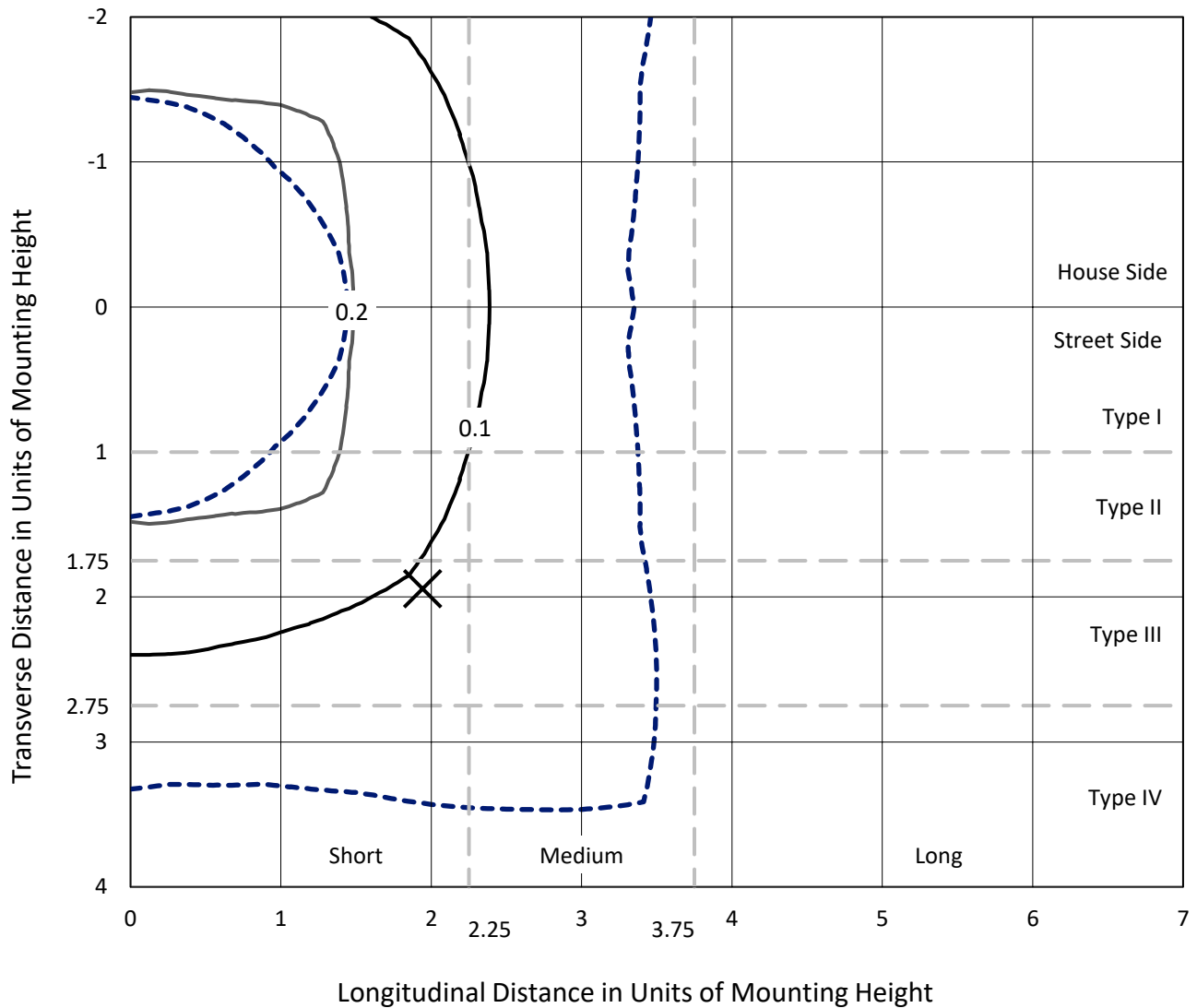
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

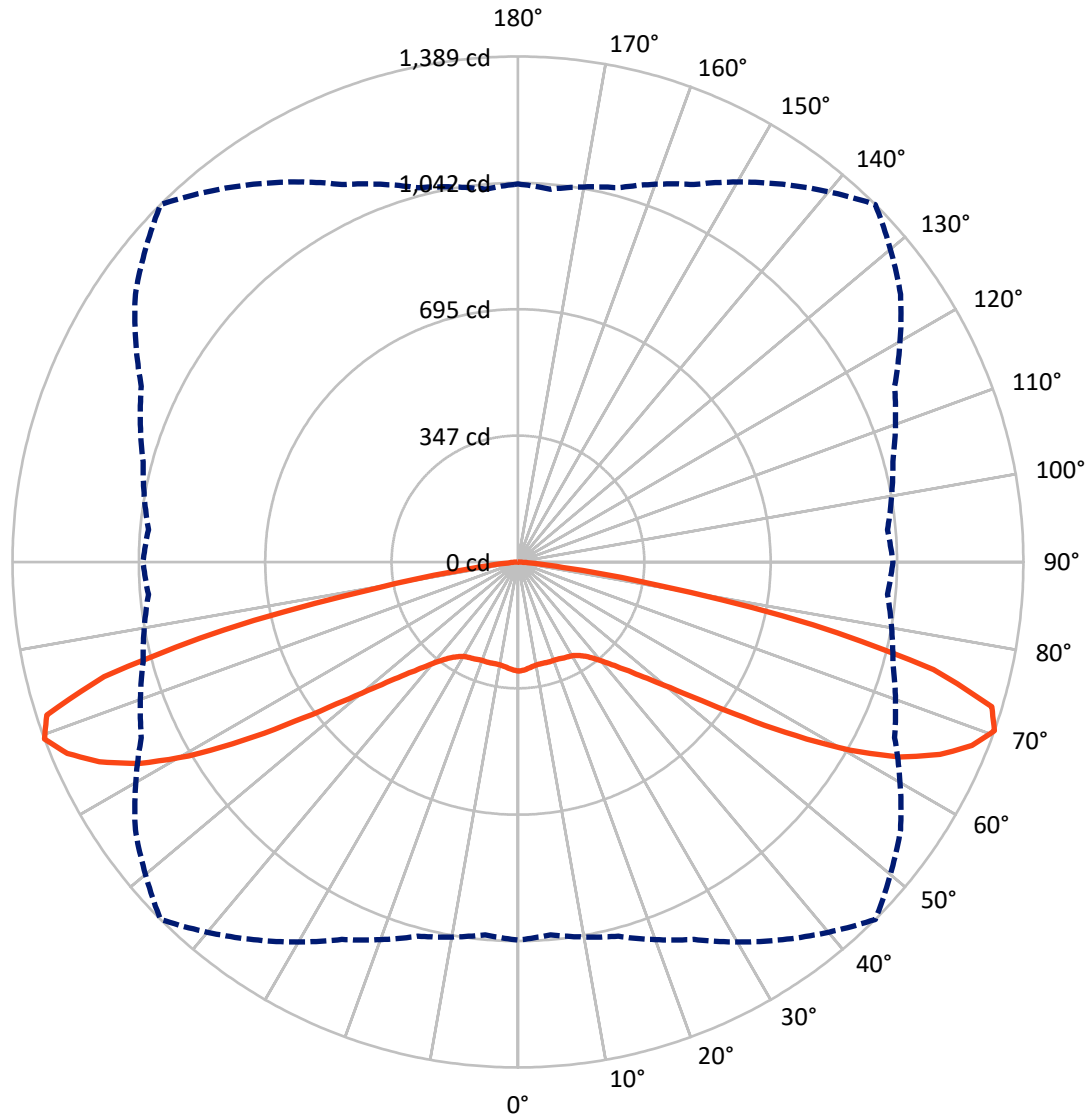
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	1644.5	0.0	1644.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1644.5	0.0	1644.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3289.0	0.0	3289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.8
10°-20°	81.9	2.5
20°-30°	136.4	4.1
30°-40°	206.2	6.3
40°-50°	342.7	10.4
50°-60°	646.7	19.7
60°-70°	1092.0	33.2
70°-80°	717.5	21.8
80°-90°	37.6	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°	3289.0	100.0
0°-180°	3289.0	100.0

Coefficient of Utilization



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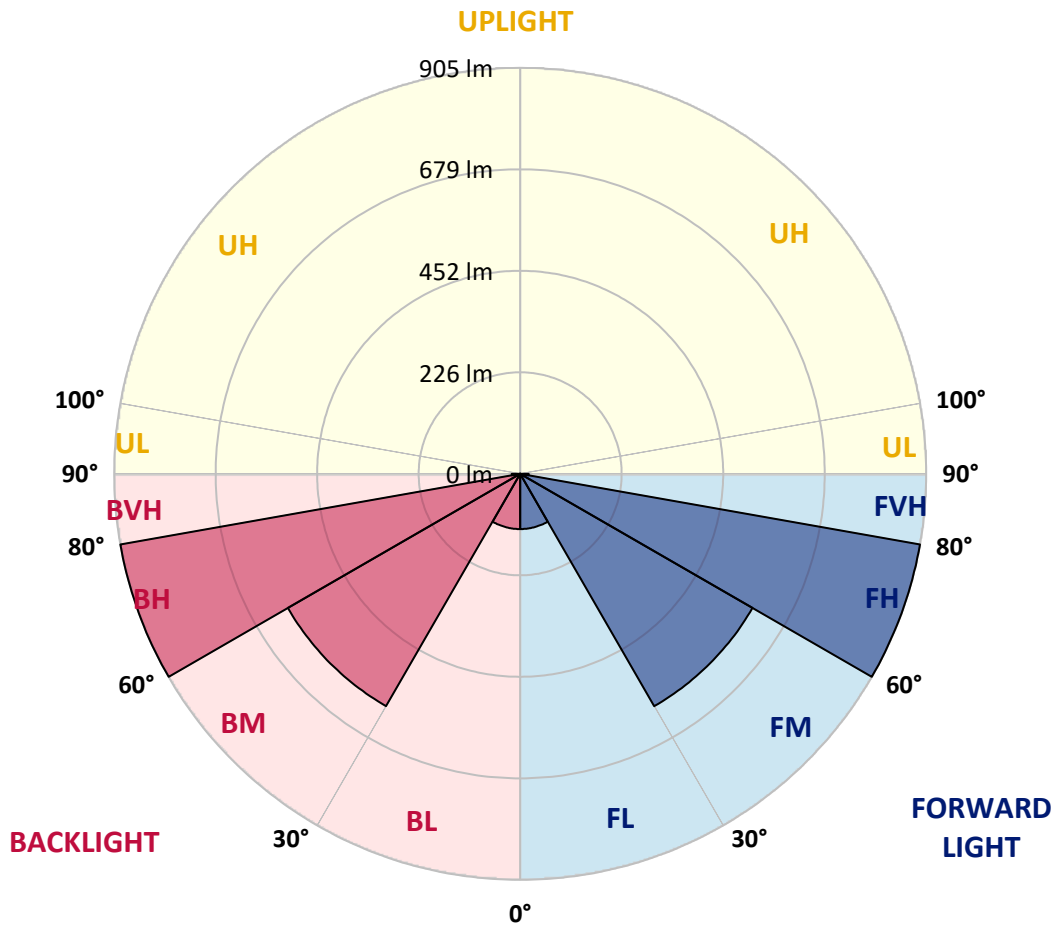
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.1	3.7			
FM (30°-60°)	597.8	18.2			
FH (60°-80°)	904.8	27.5			G1/1800
FVH (80°-90°)	18.8	0.6			G1/100
BL (0°-30°)	123.1	3.7	B1/500		
BM (30°-60°)	597.8	18.2	B1/1000		
BH (60°-80°)	904.8	27.5	B2/1000		G1/1800
BVH (80°-90°)	18.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
2.5°	298.1	299.0	298.7	298.0	298.0	297.5	298.0	298.3	298.8	299.2
5°	294.2	294.9	294.7	294.2	294.4	293.9	294.2	294.7	295.1	295.2
7.5°	290.8	291.5	291.1	290.3	290.3	289.8	289.9	290.4	291.0	291.1
10°	289.9	290.6	289.6	288.2	287.7	287.0	287.2	287.7	288.7	289.3
12.5°	290.3	290.8	289.8	287.7	287.2	286.5	286.5	287.0	288.4	289.1
15°	291.3	291.8	290.3	288.1	287.5	287.0	286.9	287.5	289.1	290.3
17.5°	293.2	293.7	291.3	288.2	287.5	287.7	287.5	288.1	290.4	292.7
20°	294.9	295.2	292.0	288.2	287.5	287.7	287.5	288.6	291.6	294.7
22.5°	295.4	295.7	292.7	289.4	288.9	289.1	288.9	289.9	292.8	295.9
25°	295.6	296.1	293.7	291.1	292.0	292.3	292.0	292.2	294.4	297.1
27.5°	298.1	298.8	296.6	294.4	294.9	294.7	295.2	295.7	297.5	300.2
30°	303.4	304.0	302.1	299.9	299.5	298.3	299.9	301.6	303.4	305.8
32.5°	312.2	313.2	310.8	308.4	306.9	306.2	307.4	310.3	312.8	315.4
35°	326.7	327.4	325.2	320.7	318.0	318.0	319.0	322.8	326.9	330.1
37.5°	347.2	348.1	344.1	338.8	334.7	334.7	336.1	340.0	346.2	350.8
40°	372.2	373.4	368.4	362.9	359.0	358.3	360.0	364.5	370.3	376.1
42.5°	402.3	403.6	397.1	392.3	389.3	389.3	390.1	394.2	399.5	406.7
45°	440.7	443.1	434.2	429.4	426.5	427.2	427.7	431.3	436.1	444.3
47.5°	486.5	488.9	479.5	474.6	474.1	477.3	475.3	477.8	480.4	489.8
50°	538.5	542.6	536.1	535.8	536.8	542.8	538.0	539.4	536.5	542.4
52.5°	602.1	608.1	606.9	608.9	620.4	632.7	621.8	617.0	606.0	607.9
55°	679.2	688.3	690.0	702.3	728.3	753.4	730.1	710.8	687.6	683.3
57.5°	766.9	774.1	782.3	807.4	856.0	900.6	856.0	813.2	776.6	767.9
60°	861.3	870.2	878.0	915.1	987.3	1050.0	985.9	918.0	869.6	857.8
62.5°	962.6	974.1	979.6	1020.8	1104.9	1179.7	1106.1	1023.8	970.2	957.5
65°	1059.9	1069.3	1075.5	1119.4	1199.8	1274.8	1205.2	1124.2	1069.0	1052.4
67.5°	1105.2	1110.3	1125.4	1175.1	1259.9	1345.6	1274.3	1180.4	1118.7	1089.7
70°	1038.9	1028.5	1064.7	1144.4	1267.1	1389.0	1283.5	1142.0	1066.4	1019.2
72.5°	802.8	784.8	847.8	984.0	1185.0	1361.3	1193.3	991.7	886.9	791.2
75°	436.8	416.4	503.3	675.6	945.0	1179.9	966.7	694.9	560.4	433.5
77.5°	123.3	115.6	185.7	326.9	568.4	828.4	590.3	334.0	220.2	130.6
80°	37.8	36.6	49.6	98.5	241.4	396.8	232.0	99.7	63.1	39.8
82.5°	22.4	20.5	24.6	35.9	61.5	124.6	59.8	37.4	30.1	20.2
85°	12.8	12.0	14.5	17.4	20.7	26.5	17.3	17.8	16.1	10.8
87.5°	5.3	4.8	5.6	5.5	4.8	6.2	4.6	5.5	6.5	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
300.0
299.0
295.2
291.1
289.3
289.3
290.4
292.7
294.9
295.9
296.9
299.5
305.3
314.4
328.9
349.1
374.2
406.2
444.0
487.0
538.8
601.6
676.6
761.8
847.6
947.3
1044.2
1090.0
1030.5
814.9
461.7
145.1
42.1
21.9
11.3
3.9
0.0

OF REPORT)