

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: P938850

Luminaire Tested: **GALN-SB1A-935-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938850
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-935-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3157 lumens
Efficiency: N/A
Efficacy: 102.2 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

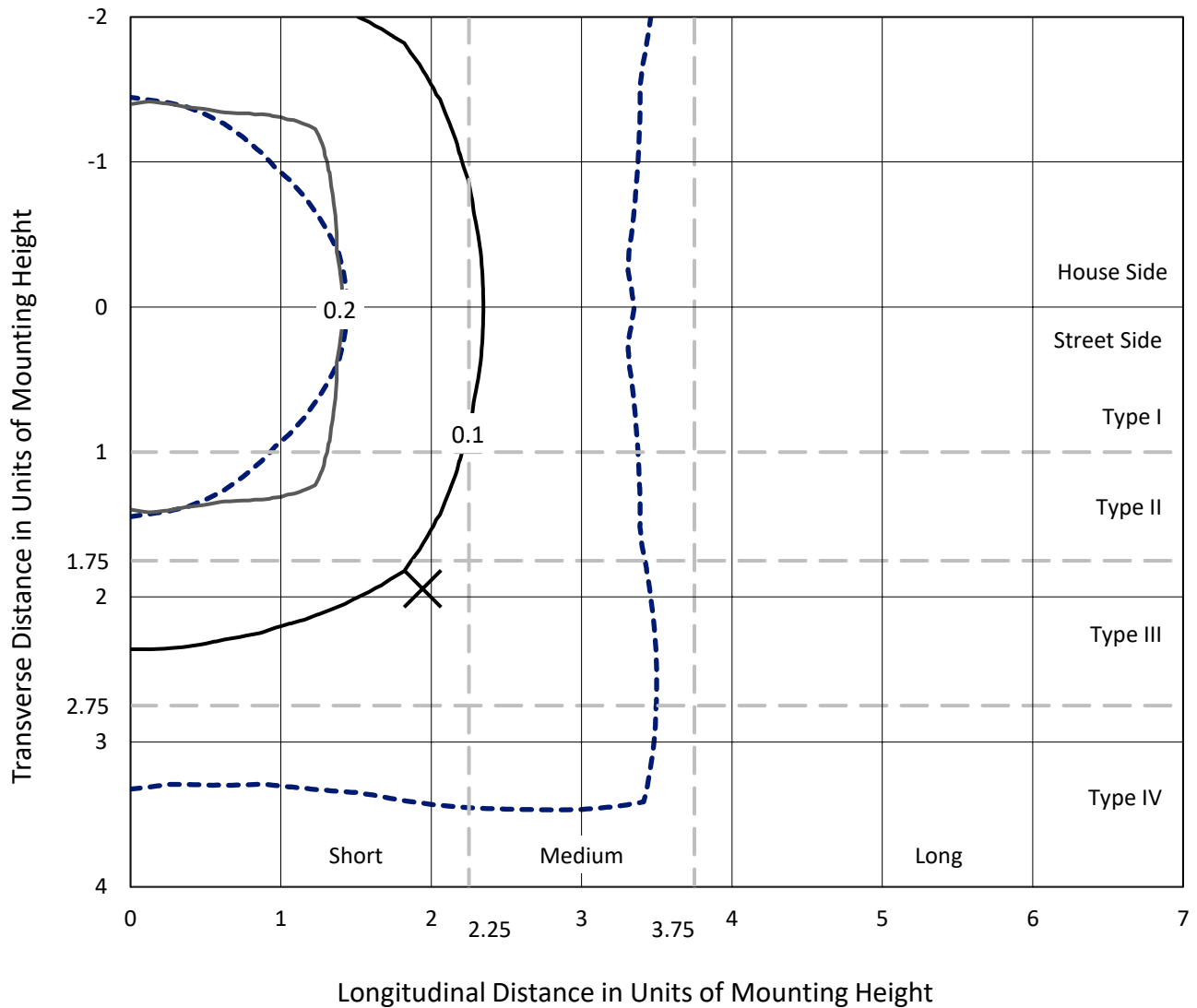
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

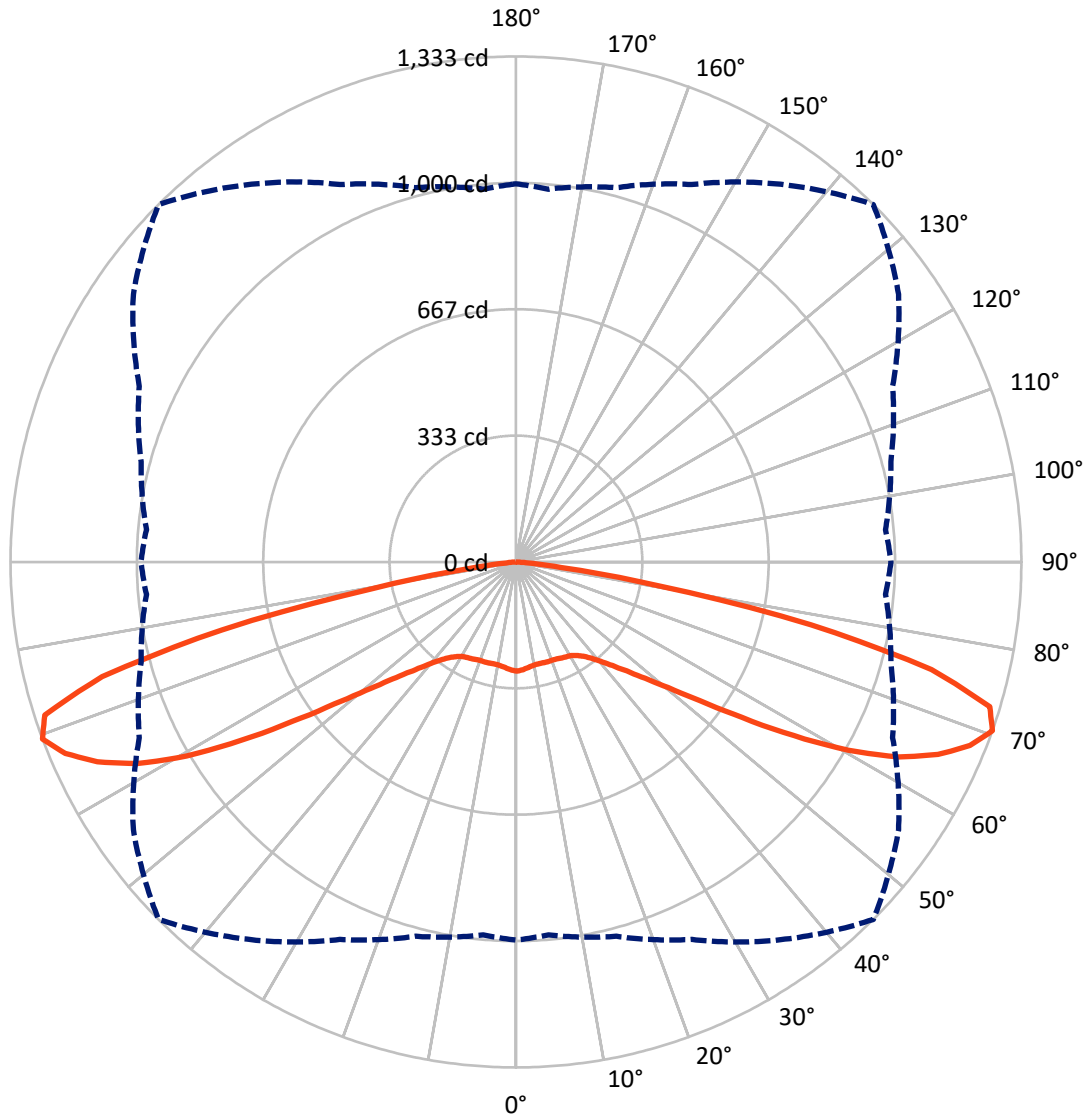
× Max cd
 - - - 1/2 Max cd



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	1578.5	0.0	1578.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1578.5	0.0	1578.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3157.0	0.0	3157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	0.8
10°-20°	78.7	2.5
20°-30°	130.9	4.1
30°-40°	198.0	6.3
40°-50°	329.0	10.4
50°-60°	620.7	19.7
60°-70°	1048.2	33.2
70°-80°	688.7	21.8
80°-90°	36.1	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°	3157.0	100.0
0°-180°	3157.0	100.0

Coefficient of Utilization



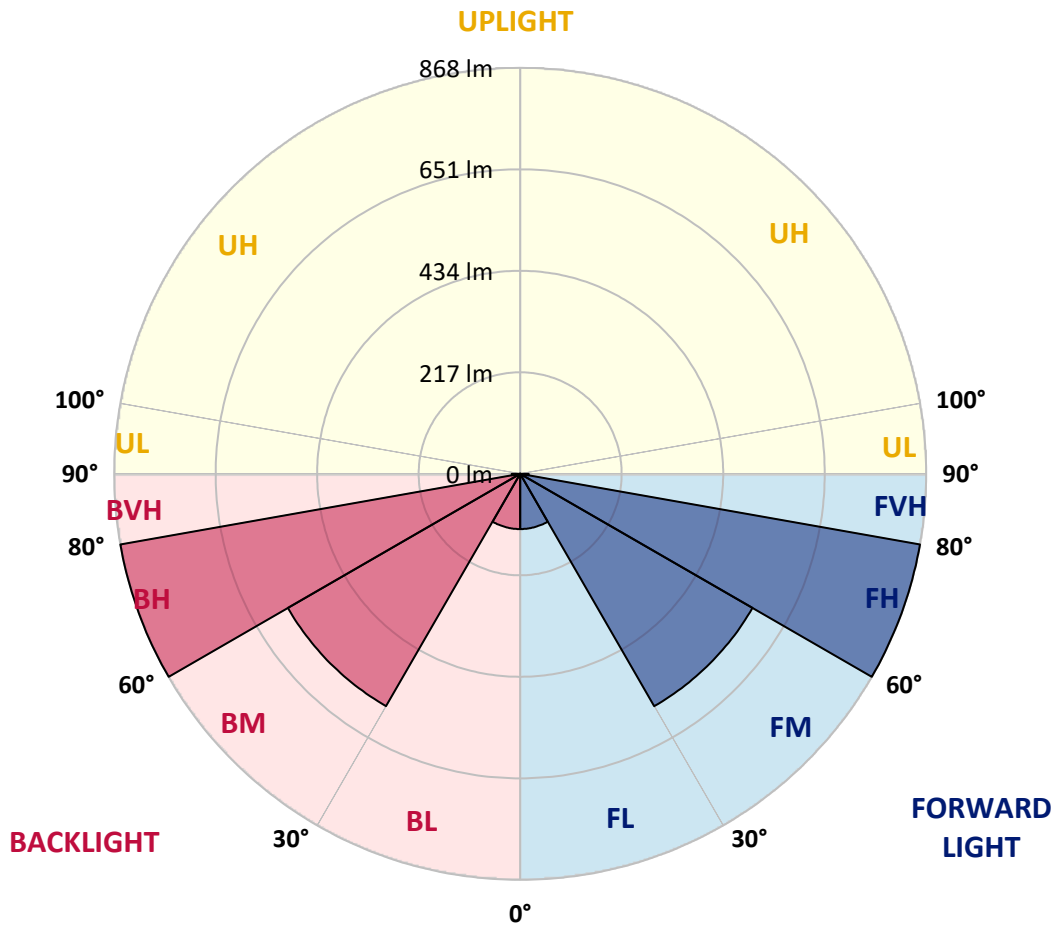
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.2	3.7			
FM (30°-60°)	573.8	18.2			
FH (60°-80°)	868.4	27.5			G1/1800
FVH (80°-90°)	18.0	0.6			G1/100
BL (0°-30°)	118.2	3.7	B1/500		
BM (30°-60°)	573.8	18.2	B1/1000		
BH (60°-80°)	868.4	27.5	B2/1000		G1/1800
BVH (80°-90°)	18.0	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°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	286.2	287.0	286.7	286.0	286.0	285.5	286.0	286.3	286.8	287.2
5°	282.4	283.1	282.9	282.4	282.6	282.1	282.4	282.9	283.2	283.4
7.5°	279.1	279.8	279.4	278.6	278.6	278.1	278.3	278.8	279.3	279.4
10°	278.3	279.0	278.0	276.7	276.2	275.5	275.7	276.2	277.2	277.6
12.5°	278.6	279.1	278.1	276.2	275.7	275.0	275.0	275.5	276.8	277.5
15°	279.6	280.1	278.6	276.5	276.0	275.5	275.3	276.0	277.5	278.6
17.5°	281.4	281.9	279.6	276.7	276.0	276.2	276.0	276.5	278.8	280.9
20°	283.1	283.4	280.3	276.7	276.0	276.2	276.0	277.0	279.9	282.9
22.5°	283.6	283.9	280.9	277.8	277.3	277.5	277.3	278.3	281.1	284.0
25°	283.7	284.2	281.9	279.4	280.3	280.6	280.3	280.4	282.6	285.2
27.5°	286.2	286.8	284.7	282.6	283.1	282.9	283.4	283.9	285.5	288.1
30°	291.3	291.8	290.0	287.8	287.5	286.3	287.8	289.5	291.3	293.6
32.5°	299.6	300.6	298.3	296.0	294.5	293.9	295.0	297.8	300.3	302.8
35°	313.6	314.2	312.1	307.8	305.2	305.2	306.2	309.8	313.7	316.9
37.5°	333.3	334.1	330.3	325.2	321.3	321.3	322.6	326.4	332.3	336.7
40°	357.2	358.4	353.6	348.4	344.6	343.9	345.6	349.8	355.4	361.0
42.5°	386.1	387.4	381.2	376.6	373.6	373.6	374.5	378.4	383.5	390.4
45°	423.0	425.3	416.8	412.2	409.4	410.1	410.6	414.0	418.6	426.5
47.5°	467.0	469.3	460.3	455.5	455.0	458.1	456.2	458.6	461.1	470.1
50°	516.9	520.8	514.6	514.3	515.2	521.0	516.4	517.7	514.9	520.7
52.5°	577.9	583.7	582.5	584.5	595.5	607.3	596.8	592.2	581.7	583.5
55°	651.9	660.6	662.3	674.1	699.0	723.2	700.8	682.3	660.0	655.9
57.5°	736.1	743.0	750.9	775.0	821.6	864.4	821.6	780.6	745.5	737.1
60°	826.7	835.2	842.8	878.4	947.6	1007.9	946.3	881.2	834.7	823.4
62.5°	924.0	935.0	940.2	979.8	1060.5	1132.4	1061.7	982.7	931.2	919.1
65°	1017.4	1026.4	1032.3	1074.5	1151.6	1223.6	1156.9	1079.1	1026.1	1010.2
67.5°	1060.9	1065.8	1080.2	1128.0	1209.4	1291.6	1223.1	1133.1	1073.8	1045.9
70°	997.2	987.2	1022.0	1098.4	1216.3	1333.2	1232.0	1096.1	1023.6	978.3
72.5°	770.6	753.3	813.7	944.5	1137.5	1306.7	1145.4	951.9	851.3	759.4
75°	419.3	399.7	483.1	648.5	907.1	1132.6	927.9	667.0	537.9	416.1
77.5°	118.3	110.9	178.2	313.7	545.6	795.2	566.6	320.6	211.4	125.4
80°	36.3	35.1	47.6	94.5	231.7	380.9	222.7	95.7	60.6	38.2
82.5°	21.5	19.7	23.6	34.5	59.1	119.6	57.4	35.9	28.9	19.4
85°	12.3	11.5	13.9	16.7	19.9	25.4	16.6	17.1	15.4	10.3
87.5°	5.1	4.6	5.4	5.3	4.6	5.9	4.4	5.3	6.2	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
288.0
287.0
283.4
279.4
277.6
277.6
278.8
280.9
283.1
284.0
285.0
287.5
293.1
301.8
315.7
335.1
359.2
389.9
426.1
467.5
517.2
577.4
649.5
731.2
813.6
909.2
1002.3
1046.3
989.1
782.2
443.2
139.3
40.4
21.0
10.8
3.8
0.0

OF REPORT)