

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: P945019

Luminaire Tested: **GALN-SB1A-835-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-835-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359 lumens
Efficiency: N/A
Efficacy: 141.1 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

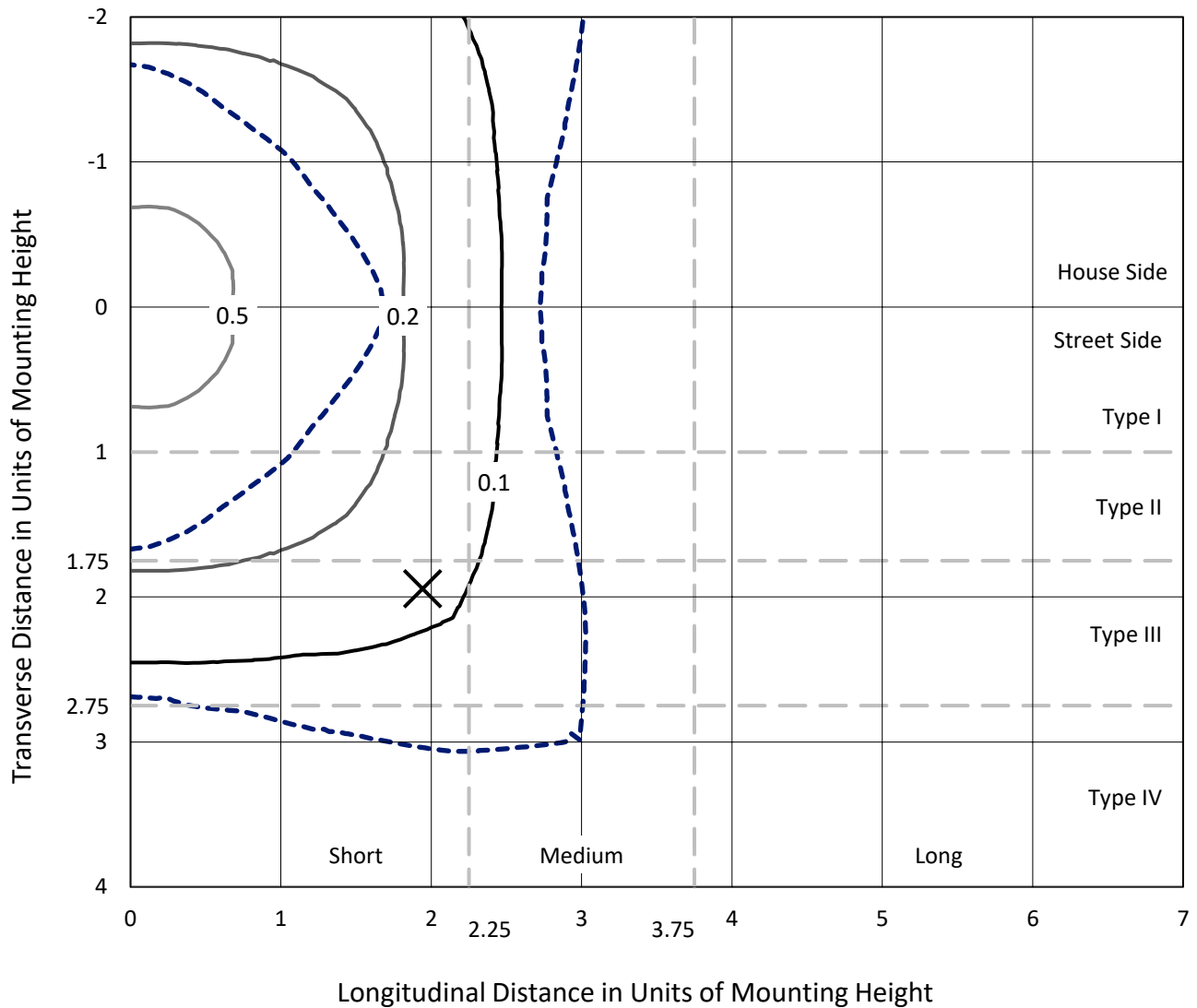
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

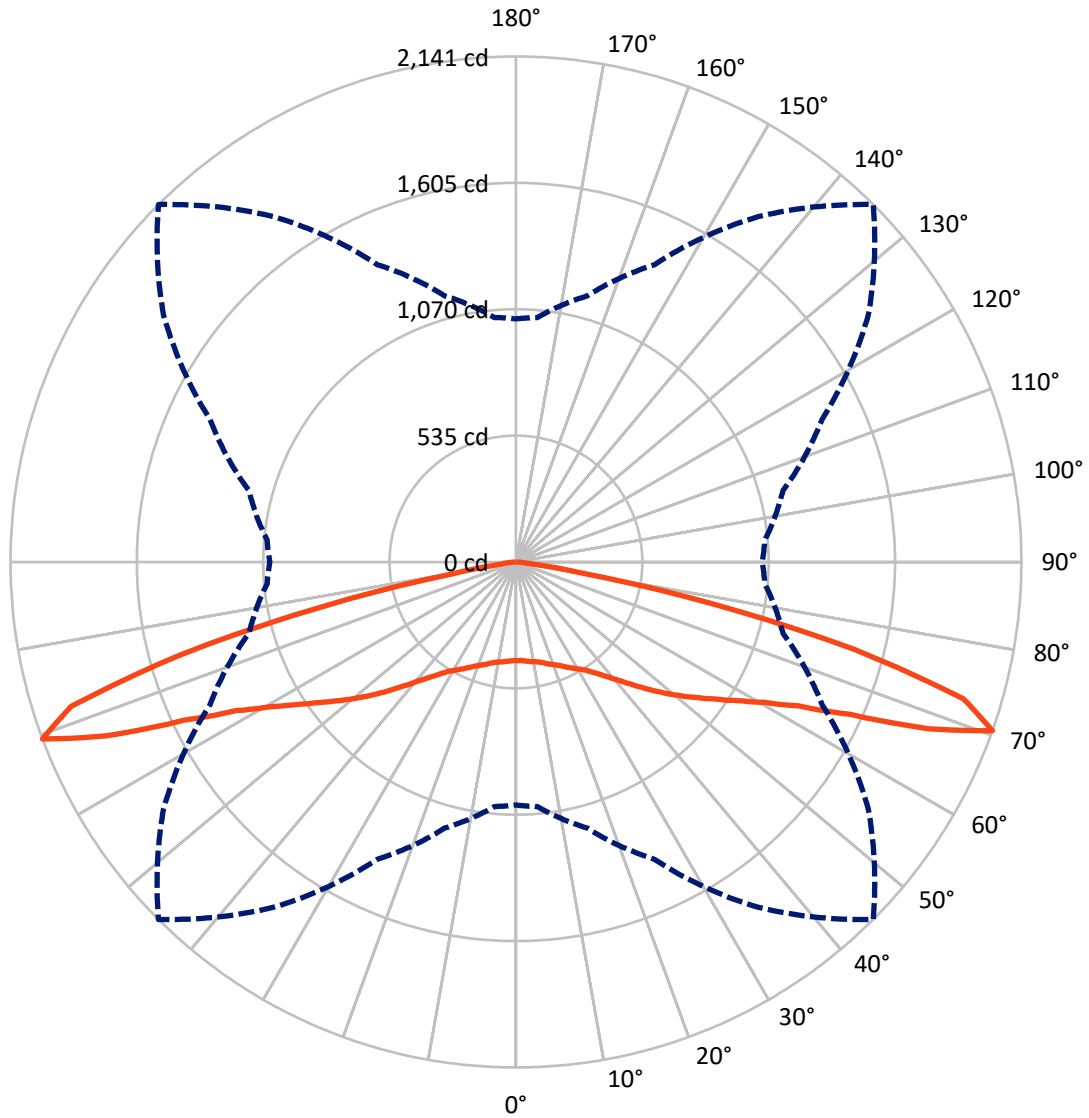
✕ Max cd
 - - - 1/2 Max cd



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	2179.5	0.0	2179.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2179.5	0.0	2179.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4359.0	0.0	4359.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	0.9
10°-20°	125.8	2.9
20°-30°	224.8	5.2
30°-40°	364.4	8.4
40°-50°	593.5	13.6
50°-60°	904.9	20.8
60°-70°	1346.3	30.9
70°-80°	733.8	16.8
80°-90°	25.0	0.6
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°	4359.0	100.0
0°-180°	4359.0	100.0



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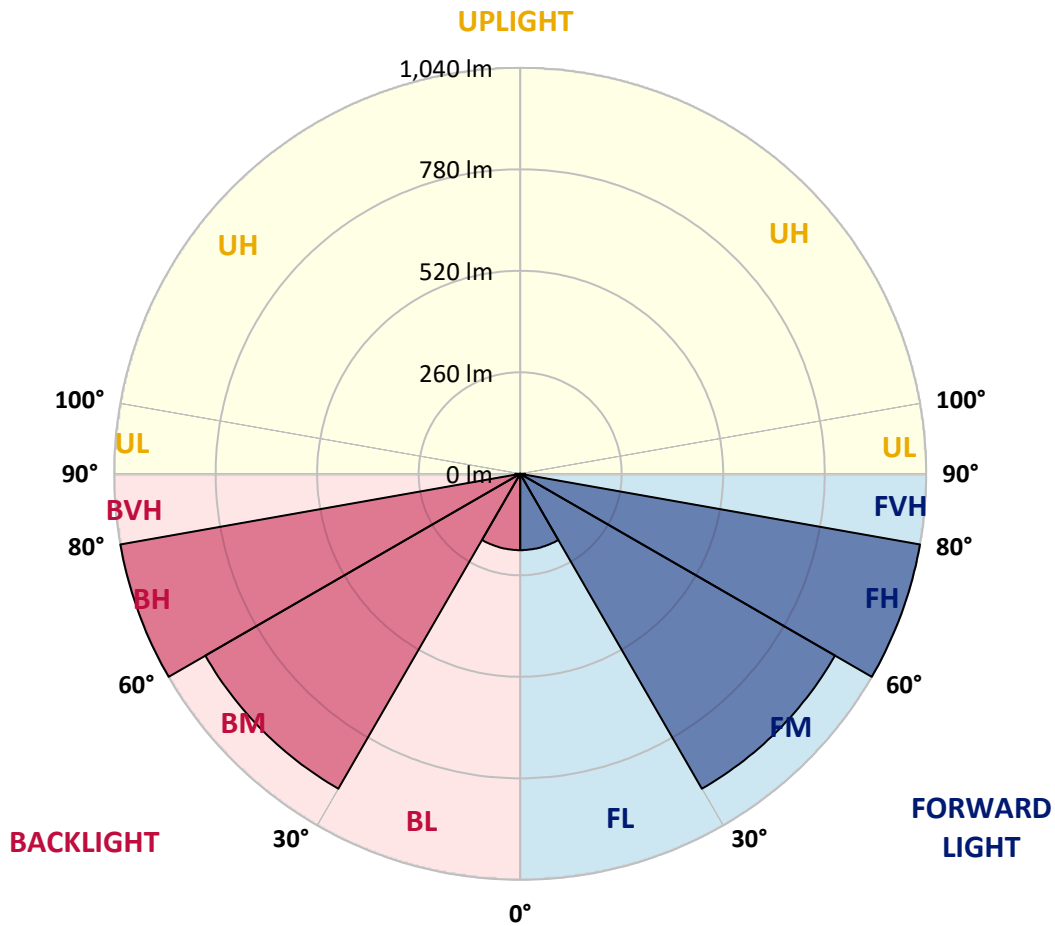
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.6	4.5			
FM (30°-60°)	931.4	21.4			
FH (60°-80°)	1040.0	23.9			G1/1800
FVH (80°-90°)	12.5	0.3			G1/100
BL (0°-30°)	195.6	4.5	B1/500		
BM (30°-60°)	931.4	21.4	B1/1000		
BH (60°-80°)	1040.0	23.9	B3/2500		G1/1800
BVH (80°-90°)	12.5	0.3			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°	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5
2.5°	419.5	420.0	419.1	418.6	418.2	417.5	417.8	418.9	419.7	419.5
5°	423.0	423.5	422.8	422.6	421.7	421.5	421.5	422.6	423.2	422.8
7.5°	427.0	427.6	426.5	426.3	425.9	425.4	425.2	426.3	427.0	427.0
10°	430.7	431.3	430.5	429.8	429.4	429.4	428.9	429.8	430.9	430.7
12.5°	434.6	435.1	434.2	433.7	433.7	434.4	433.7	434.2	435.1	434.6
15°	439.4	439.6	439.4	440.1	441.2	443.4	441.4	441.0	441.4	440.3
17.5°	446.0	446.4	447.3	448.8	450.4	454.3	450.8	449.7	449.7	447.5
20°	454.1	454.7	456.1	458.7	460.7	464.4	460.9	459.3	458.7	455.8
22.5°	462.6	463.7	465.7	469.2	472.7	476.2	472.7	470.1	468.1	464.4
25°	472.5	473.8	476.9	482.5	487.4	492.4	488.2	483.0	479.0	473.8
27.5°	486.5	488.0	491.7	498.7	504.9	509.2	505.3	498.5	493.0	486.7
30°	506.2	507.7	512.1	519.5	523.7	526.5	523.9	518.7	512.1	504.9
32.5°	531.6	533.5	538.3	545.3	546.2	546.7	545.8	543.2	538.3	529.6
35°	563.7	565.9	571.4	577.1	576.2	577.1	575.8	574.9	571.4	561.3
37.5°	603.1	605.7	611.4	615.8	613.6	612.5	612.8	613.0	611.0	599.8
40°	648.9	652.4	656.5	661.1	657.4	654.1	656.3	658.1	656.3	644.9
42.5°	695.9	700.9	705.3	711.9	708.8	704.7	707.7	709.7	706.0	693.7
45°	748.2	753.0	758.7	768.6	766.4	762.0	766.4	766.8	760.5	746.0
47.5°	802.3	807.3	815.8	829.0	828.1	823.3	829.0	825.9	817.8	800.5
50°	853.5	860.5	873.6	892.0	893.7	887.8	895.5	889.6	876.0	854.4
52.5°	901.6	909.1	929.9	954.8	961.1	953.5	963.8	953.5	933.1	905.3
55°	952.2	960.5	985.2	1017.8	1030.5	1024.8	1034.5	1018.9	990.0	956.3
57.5°	1011.7	1016.7	1046.3	1085.0	1106.5	1107.8	1112.1	1085.9	1050.9	1012.6
60°	1076.3	1083.3	1115.4	1161.8	1195.7	1206.7	1202.1	1163.1	1122.4	1078.4
62.5°	1159.0	1166.6	1205.2	1260.7	1314.4	1341.5	1323.5	1267.1	1216.8	1164.0
65°	1227.5	1236.0	1305.6	1404.7	1502.3	1556.8	1511.7	1407.8	1317.2	1242.8
67.5°	1177.8	1188.3	1297.5	1479.6	1722.3	1884.9	1730.6	1501.9	1324.4	1223.5
70°	1029.4	1039.3	1166.6	1389.2	1784.2	2140.5	1821.4	1430.1	1170.8	1057.9
72.5°	683.4	715.2	844.1	1111.1	1593.2	1980.7	1608.9	1088.5	783.0	681.9
75°	226.7	252.1	340.1	576.0	1067.1	1481.3	1015.9	509.7	269.4	193.9
77.5°	57.1	65.9	90.8	164.8	425.6	843.4	383.2	134.6	73.3	51.2
80°	27.8	30.6	43.8	54.9	106.6	268.1	100.0	51.6	34.6	26.7
82.5°	15.3	15.5	24.7	31.1	39.6	69.4	41.1	30.2	19.9	16.2
85°	9.4	9.2	13.1	16.6	16.6	24.7	19.7	16.6	11.4	10.1
87.5°	3.7	3.7	4.8	5.3	4.6	6.3	5.0	5.5	4.4	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
417.5
419.7
423.0
427.0
430.7
434.4
440.3
447.5
455.8
464.2
473.6
486.5
504.9
529.8
561.3
599.8
644.9
694.6
747.6
799.4
853.9
902.7
951.7
1007.3
1071.4
1154.8
1230.5
1208.4
1042.8
659.8
183.4
45.7
24.5
16.2
10.5
4.4
0.0

OF REPORT)