

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: P944893

Luminaire Tested: **GALN-SB1A-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944893  
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-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4699 lumens  
Efficiency: N/A  
Efficacy: 152.1 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

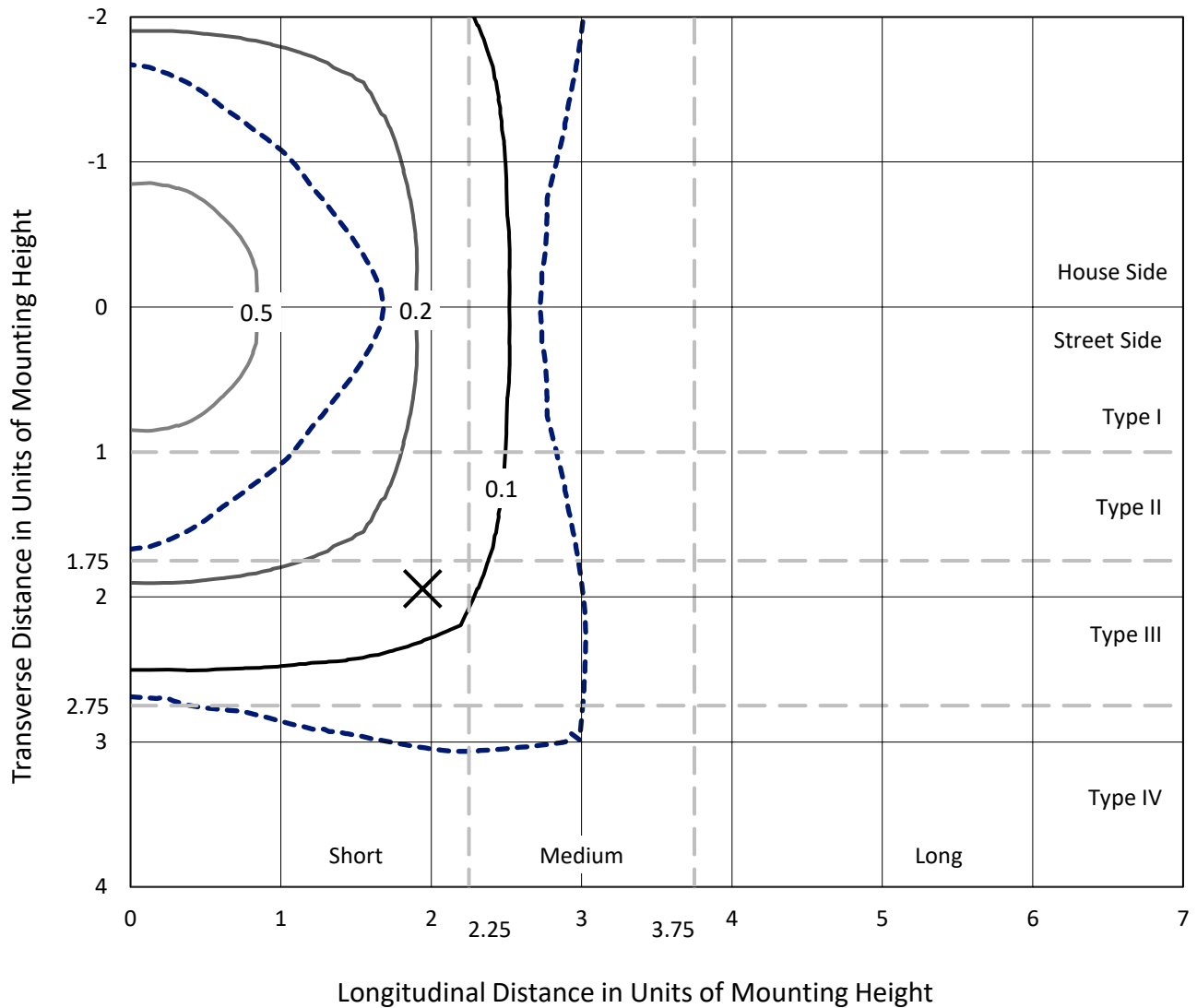
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

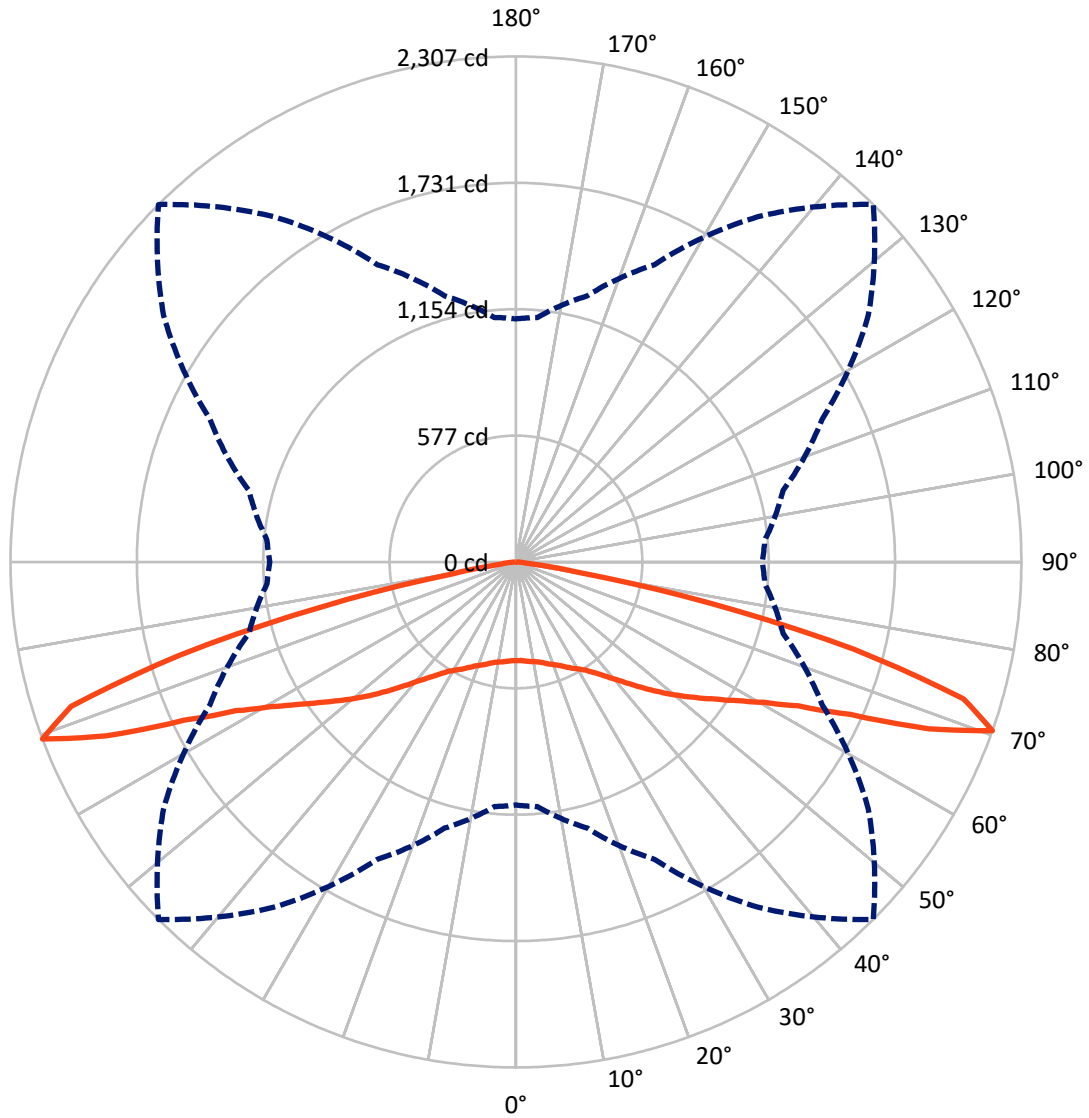
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	2349.5	0.0	2349.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2349.5	0.0	2349.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4699.0	0.0	4699.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	0.9
10°-20°	135.6	2.9
20°-30°	242.3	5.2
30°-40°	392.8	8.4
40°-50°	639.8	13.6
50°-60°	975.5	20.8
60°-70°	1451.3	30.9
70°-80°	791.0	16.8
80°-90°	26.9	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°	4699.0	100.0
0°-180°	4699.0	100.0

**Coefficient of Utilization**



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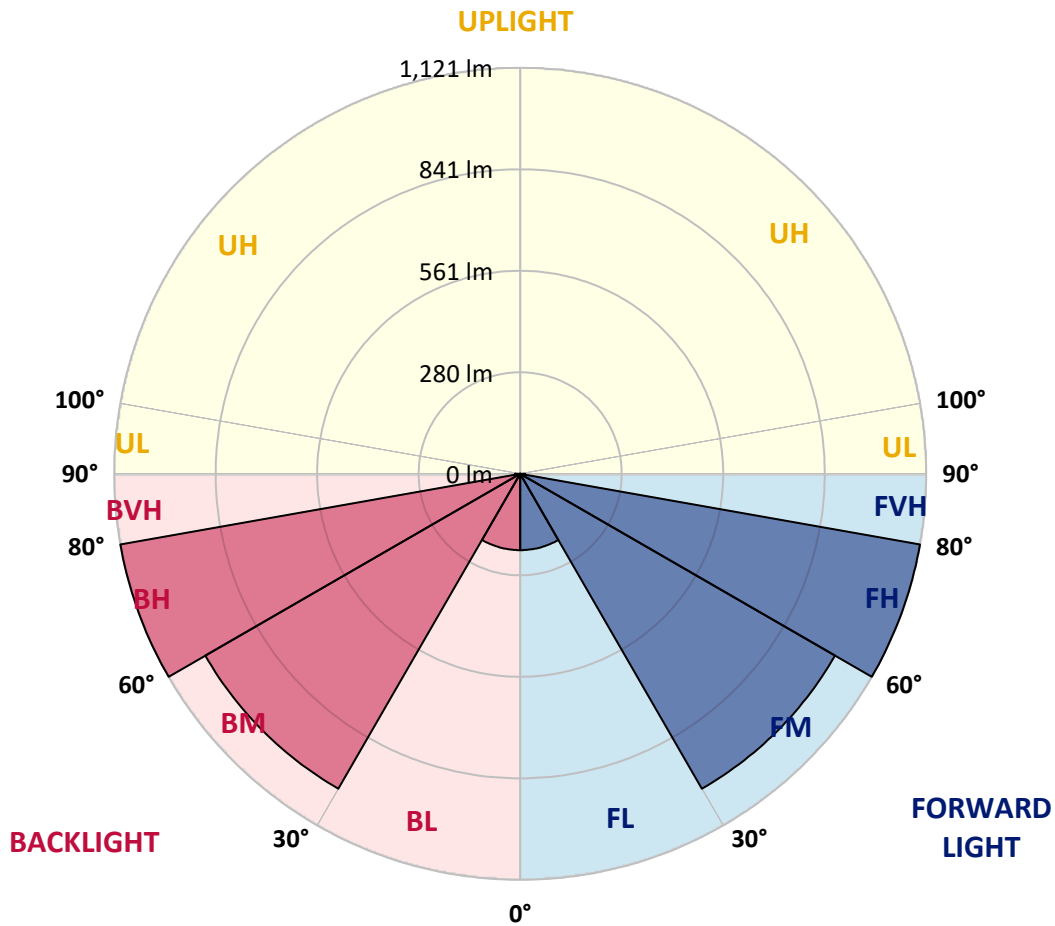
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.8	4.5			
FM (30°-60°)	1004.1	21.4			
FH (60°-80°)	1121.1	23.9			G1/1800
FVH (80°-90°)	13.5	0.3			G1/100
BL (0°-30°)	210.8	4.5	B1/500		
BM (30°-60°)	1004.1	21.4	B2/2500		
BH (60°-80°)	1121.1	23.9	B3/2500		G1/1800
BVH (80°-90°)	13.5	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°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1
2.5°	452.2	452.7	451.8	451.3	450.8	450.1	450.4	451.5	452.5	452.2
5°	456.0	456.5	455.8	455.5	454.6	454.4	454.4	455.5	456.2	455.8
7.5°	460.3	461.0	459.8	459.6	459.1	458.6	458.4	459.6	460.3	460.3
10°	464.3	465.0	464.0	463.3	462.9	462.9	462.4	463.3	464.5	464.3
12.5°	468.5	469.0	468.0	467.6	467.6	468.3	467.6	468.0	469.0	468.5
15°	473.7	473.9	473.7	474.4	475.6	478.0	475.8	475.4	475.8	474.7
17.5°	480.8	481.3	482.2	483.9	485.5	489.7	486.0	484.8	484.8	482.4
20°	489.5	490.2	491.6	494.5	496.6	500.6	496.8	495.2	494.5	491.4
22.5°	498.7	499.9	502.0	505.8	509.6	513.3	509.6	506.7	504.6	500.6
25°	509.3	510.7	514.0	520.2	525.4	530.8	526.3	520.7	516.4	510.7
27.5°	524.4	526.1	530.1	537.6	544.2	549.0	544.7	537.4	531.5	524.7
30°	545.7	547.3	552.0	560.0	564.5	567.6	564.8	559.1	552.0	544.2
32.5°	573.0	575.1	580.3	587.9	588.8	589.3	588.4	585.5	580.3	570.9
35°	607.7	610.1	616.0	622.1	621.2	622.1	620.7	619.7	616.0	605.1
37.5°	650.2	653.0	659.1	663.8	661.5	660.3	660.5	660.8	658.7	646.6
40°	699.5	703.2	707.7	712.7	708.7	705.1	707.5	709.4	707.5	695.2
42.5°	750.2	755.6	760.3	767.4	764.1	759.6	762.9	765.1	761.0	747.8
45°	806.6	811.8	817.9	828.5	826.2	821.4	826.2	826.6	819.8	804.2
47.5°	864.8	870.3	879.5	893.6	892.7	887.5	893.6	890.3	881.6	863.0
50°	920.0	927.6	941.8	961.6	963.5	957.1	965.3	959.0	944.3	921.0
52.5°	971.9	980.0	1002.4	1029.3	1036.1	1027.9	1038.9	1027.9	1005.9	976.0
55°	1026.4	1035.4	1062.1	1097.2	1110.9	1104.8	1115.1	1098.4	1067.3	1030.9
57.5°	1090.6	1096.0	1127.9	1169.6	1192.8	1194.2	1198.9	1170.6	1132.8	1091.6
60°	1160.2	1167.8	1202.4	1252.4	1289.0	1300.8	1295.9	1253.9	1210.0	1162.6
62.5°	1249.4	1257.6	1299.2	1359.1	1416.9	1446.1	1426.8	1365.9	1311.7	1254.8
65°	1323.2	1332.4	1407.4	1514.3	1619.5	1678.3	1629.7	1517.6	1419.9	1339.7
67.5°	1269.7	1281.0	1398.7	1595.0	1856.6	2031.9	1865.6	1619.0	1427.7	1319.0
70°	1109.7	1120.3	1257.6	1497.6	1923.4	2307.4	1963.5	1541.7	1262.1	1140.4
72.5°	736.7	771.0	909.9	1197.7	1717.4	2135.2	1734.4	1173.4	844.1	735.1
75°	244.4	271.8	366.6	620.9	1150.3	1596.9	1095.1	549.4	290.4	209.0
77.5°	61.6	71.0	97.9	177.6	458.8	909.2	413.1	145.1	79.0	55.2
80°	30.0	33.0	47.2	59.2	114.9	289.0	107.8	55.7	37.3	28.8
82.5°	16.5	16.7	26.7	33.5	42.7	74.8	44.4	32.6	21.5	17.5
85°	10.1	9.9	14.2	17.9	17.9	26.7	21.2	17.9	12.3	10.9
87.5°	4.0	4.0	5.2	5.7	5.0	6.8	5.4	5.9	4.7	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
450.1
452.5
456.0
460.3
464.3
468.3
474.7
482.4
491.4
500.4
510.5
524.4
544.2
571.1
605.1
646.6
695.2
748.8
805.9
861.8
920.5
973.1
1026.0
1085.9
1155.0
1244.9
1326.5
1302.7
1124.1
711.3
197.7
49.3
26.4
17.5
11.3
4.7
0.0

OF REPORT)