

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: P944897

Luminaire Tested: **GALN-SB1A-735-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
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-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

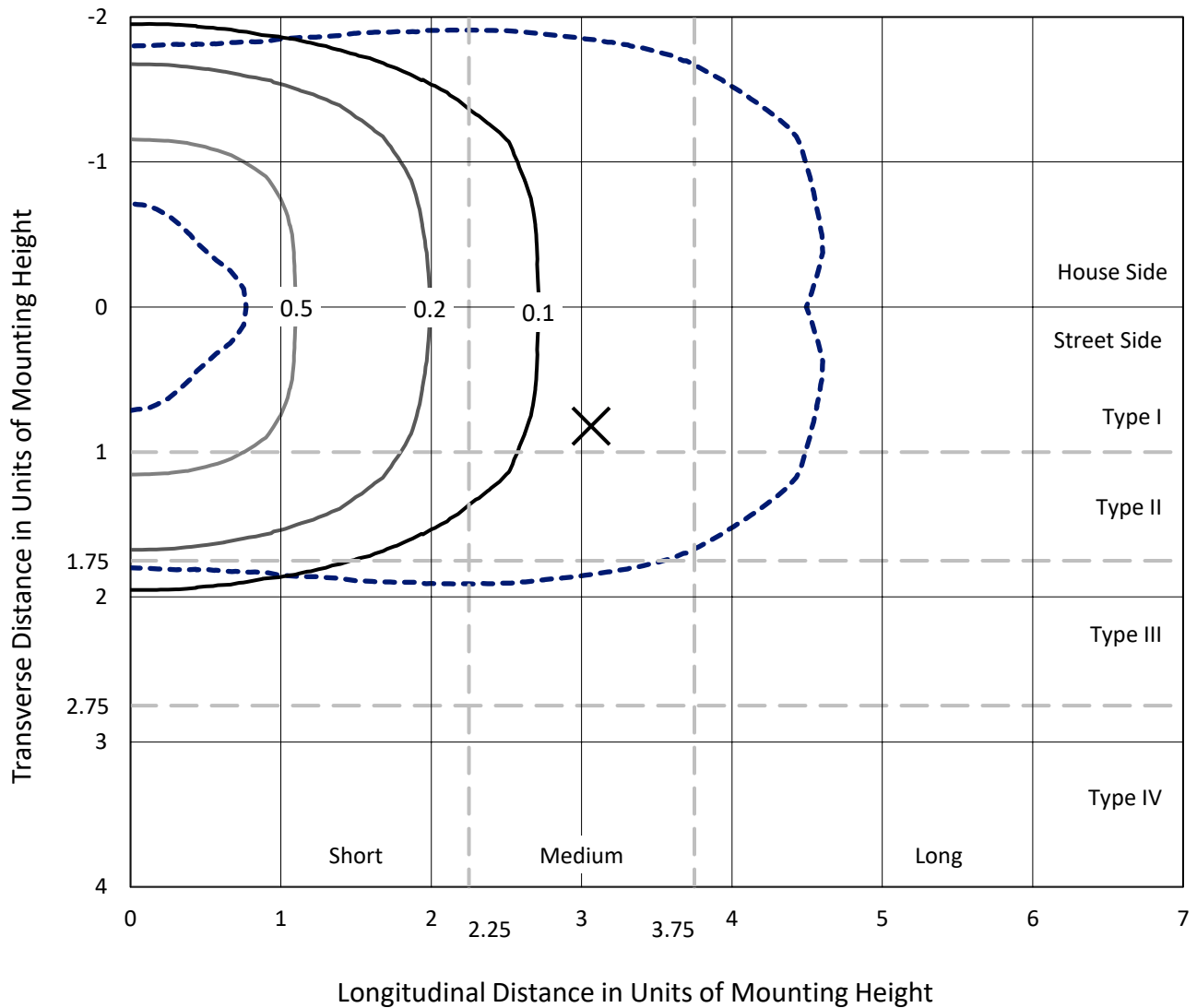
Lumens per Lamp: N/A  
Luminaire Lumens: 4621 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): 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

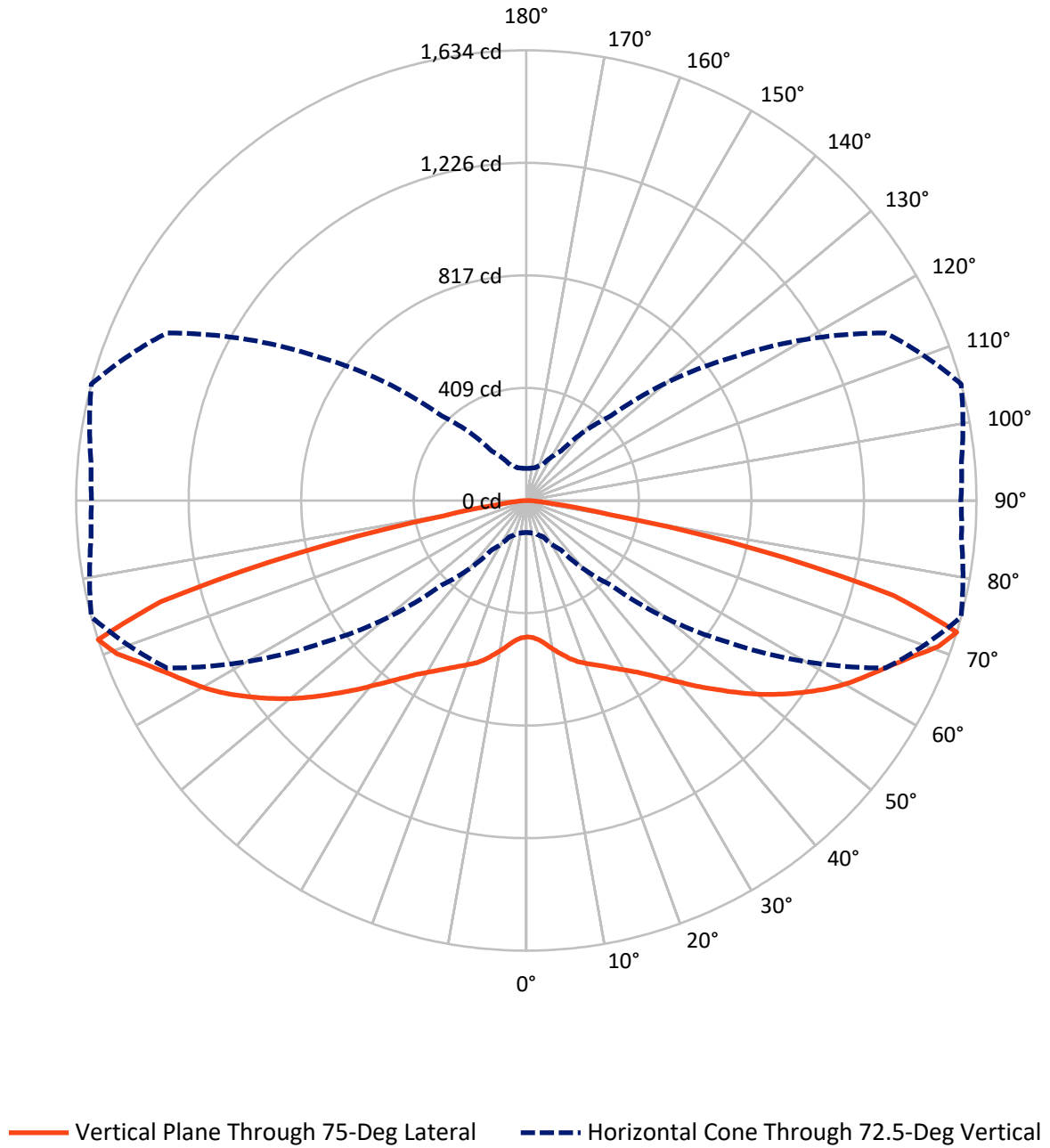
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2310.5	0.0	2310.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2310.5	0.0	2310.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4621.0	0.0	4621.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	1.0
10°-20°	159.9	3.5
20°-30°	309.0	6.7
30°-40°	521.8	11.3
40°-50°	827.5	17.9
50°-60°	1108.0	24.0
60°-70°	1054.4	22.8
70°-80°	550.2	11.9
80°-90°	41.6	0.9
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°	4621.0	100.0
0°-180°	4621.0	100.0

**Coefficient of Utilization**



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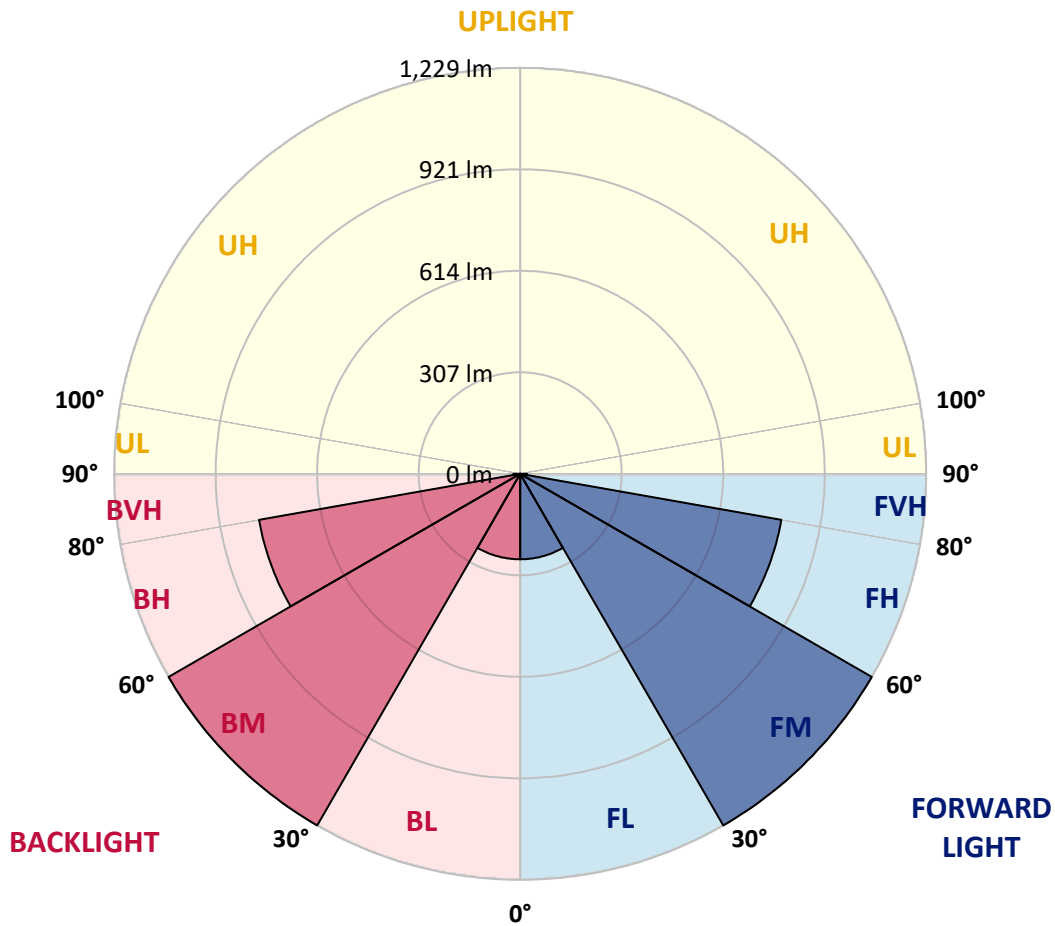
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.7	5.6			
FM (30°-60°)	1228.6	26.6			
FH (60°-80°)	802.3	17.4			G1/1800
FVH (80°-90°)	20.8	0.5			G1/100
BL (0°-30°)	258.7	5.6	B1/500		
BM (30°-60°)	1228.6	26.6	B2/2500		
BH (60°-80°)	802.3	17.4	B2/1000		G2/1000
BVH (80°-90°)	20.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	495.0	495.0	495.0	495.0	495.0	495.0	495.0	495.0	495.0	495.0
2.5°	495.0	494.5	495.0	495.5	495.2	495.2	496.4	497.1	498.5	498.3
5°	491.7	491.5	493.3	495.5	497.1	499.9	503.5	506.1	509.4	510.1
7.5°	490.0	489.3	492.6	496.4	501.6	508.7	515.5	522.6	528.3	530.1
10°	491.2	491.5	495.9	503.0	511.3	521.2	530.9	542.9	550.9	552.8
12.5°	496.6	496.2	503.7	515.0	526.4	538.9	550.2	563.4	572.1	576.6
15°	506.6	505.6	516.2	533.0	549.5	564.1	573.3	585.8	596.0	601.6
17.5°	518.3	518.8	532.7	554.4	576.2	592.7	601.4	607.8	615.6	620.5
20°	539.1	540.1	555.6	581.3	606.1	625.0	632.1	629.7	631.8	635.6
22.5°	567.0	567.4	584.9	612.7	638.7	659.4	664.2	654.5	648.6	651.2
25°	599.3	602.3	619.8	648.3	675.0	694.8	697.0	682.3	667.7	668.4
27.5°	638.7	641.5	659.2	687.5	714.6	731.9	731.6	712.1	690.6	685.2
30°	681.4	684.4	702.6	731.9	757.1	772.2	768.9	745.6	714.9	704.7
32.5°	732.1	734.0	752.4	781.7	805.0	817.0	810.2	781.4	743.2	731.6
35°	793.4	796.3	810.0	837.6	858.1	868.0	856.4	822.5	779.5	766.6
37.5°	863.5	861.6	877.2	901.7	918.7	924.9	909.1	868.7	821.1	805.7
40°	936.7	935.7	952.7	976.3	985.5	989.3	965.9	921.8	868.9	852.4
42.5°	1003.0	1002.3	1025.1	1051.3	1062.4	1058.2	1028.7	978.2	924.4	905.5
45°	1056.0	1055.1	1083.2	1120.0	1141.7	1134.6	1095.0	1040.5	980.5	961.0
47.5°	1096.9	1097.3	1127.5	1173.1	1211.1	1213.7	1162.7	1103.9	1042.4	1020.2
50°	1126.4	1127.8	1160.1	1210.6	1262.5	1285.4	1231.8	1169.1	1106.3	1081.3
52.5°	1133.7	1136.3	1175.2	1234.4	1295.5	1339.2	1302.1	1231.6	1166.9	1143.1
55°	1094.7	1099.9	1149.2	1232.5	1315.8	1374.6	1363.9	1295.0	1228.0	1203.5
57.5°	1005.3	1012.6	1070.2	1179.0	1311.3	1398.9	1411.8	1355.9	1289.1	1265.6
60°	880.0	888.8	944.0	1062.7	1248.1	1407.8	1445.6	1415.1	1345.3	1322.4
62.5°	691.1	702.4	768.4	907.6	1114.6	1366.1	1474.4	1468.7	1395.8	1367.2
65°	443.3	455.4	525.0	689.4	936.4	1238.2	1483.3	1520.8	1449.1	1409.2
67.5°	267.3	272.7	307.2	417.8	684.4	1045.4	1407.4	1578.6	1511.4	1461.9
70°	171.1	174.1	194.6	245.4	386.9	762.8	1219.1	1589.5	1586.9	1515.9
72.5°	116.1	117.0	122.5	145.3	218.9	433.4	899.1	1439.0	1634.1	1585.5
75°	84.9	90.1	98.9	102.9	124.3	216.6	515.3	1011.0	1377.2	1398.4
77.5°	63.2	63.5	75.5	80.2	88.7	115.4	218.0	564.4	855.0	897.7
80°	53.6	50.7	50.5	64.6	66.8	72.0	97.4	194.9	306.2	185.7
82.5°	44.6	41.5	37.5	50.5	45.5	44.1	42.2	79.3	97.4	47.9
85°	31.1	29.7	28.3	33.0	26.0	22.2	20.3	37.0	41.1	20.3
87.5°	13.4	13.9	14.2	14.6	10.9	7.8	7.8	10.4	10.4	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
495.0
498.1
510.1
530.6
554.7
578.5
603.8
622.9
638.4
653.1
669.6
686.8
705.9
734.5
768.4
808.5
857.9
910.2
965.4
1026.8
1088.8
1149.2
1210.3
1271.0
1327.4
1370.5
1414.2
1465.6
1515.4
1577.9
1347.0
800.8
140.4
40.8
17.9
5.9
0.0

OF REPORT)