

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: P944914

Luminaire Tested: **GALN-SB1A-740-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944914  
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-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4972 lumens  
Efficiency: N/A  
Efficacy: 160.9 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

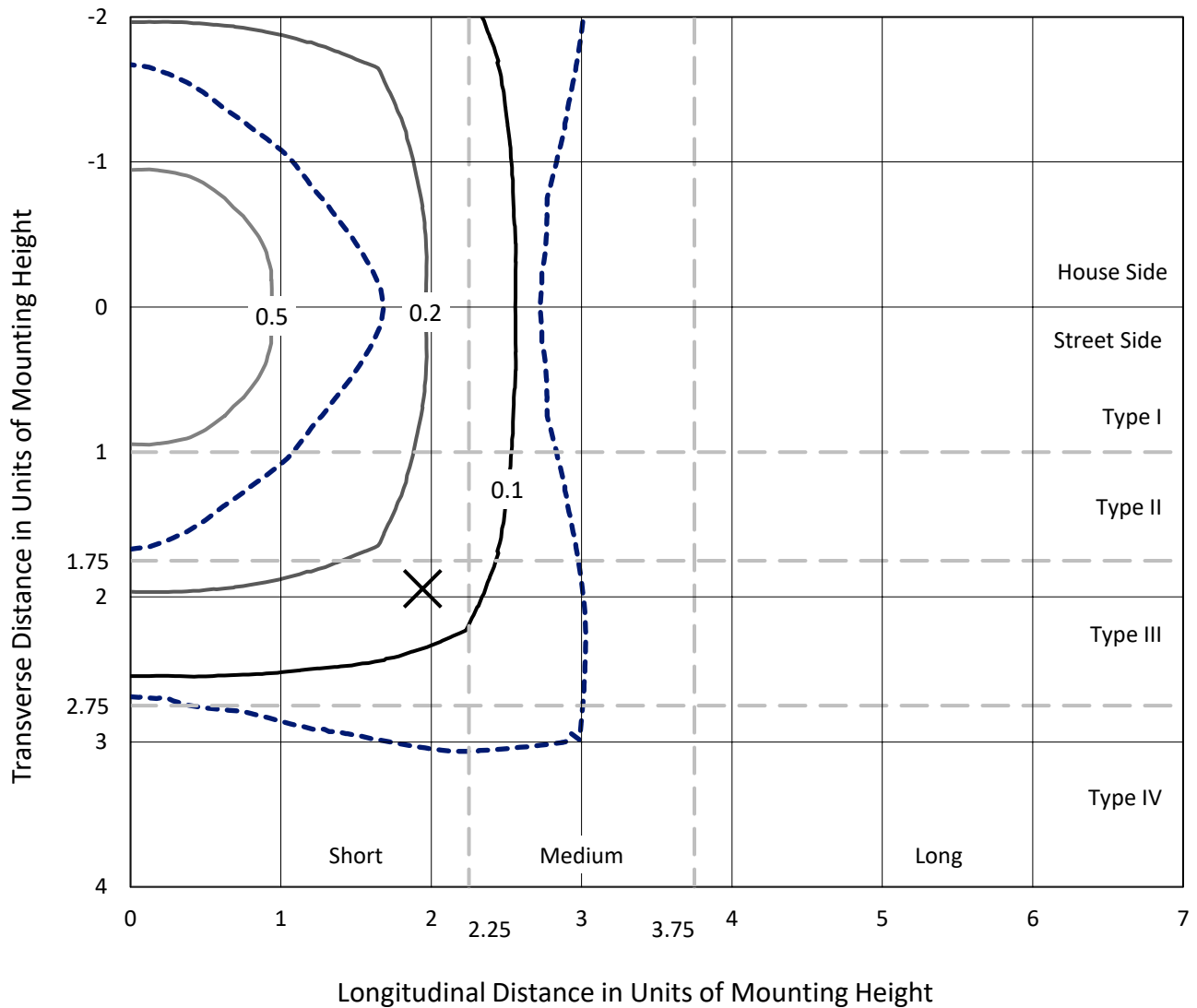
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

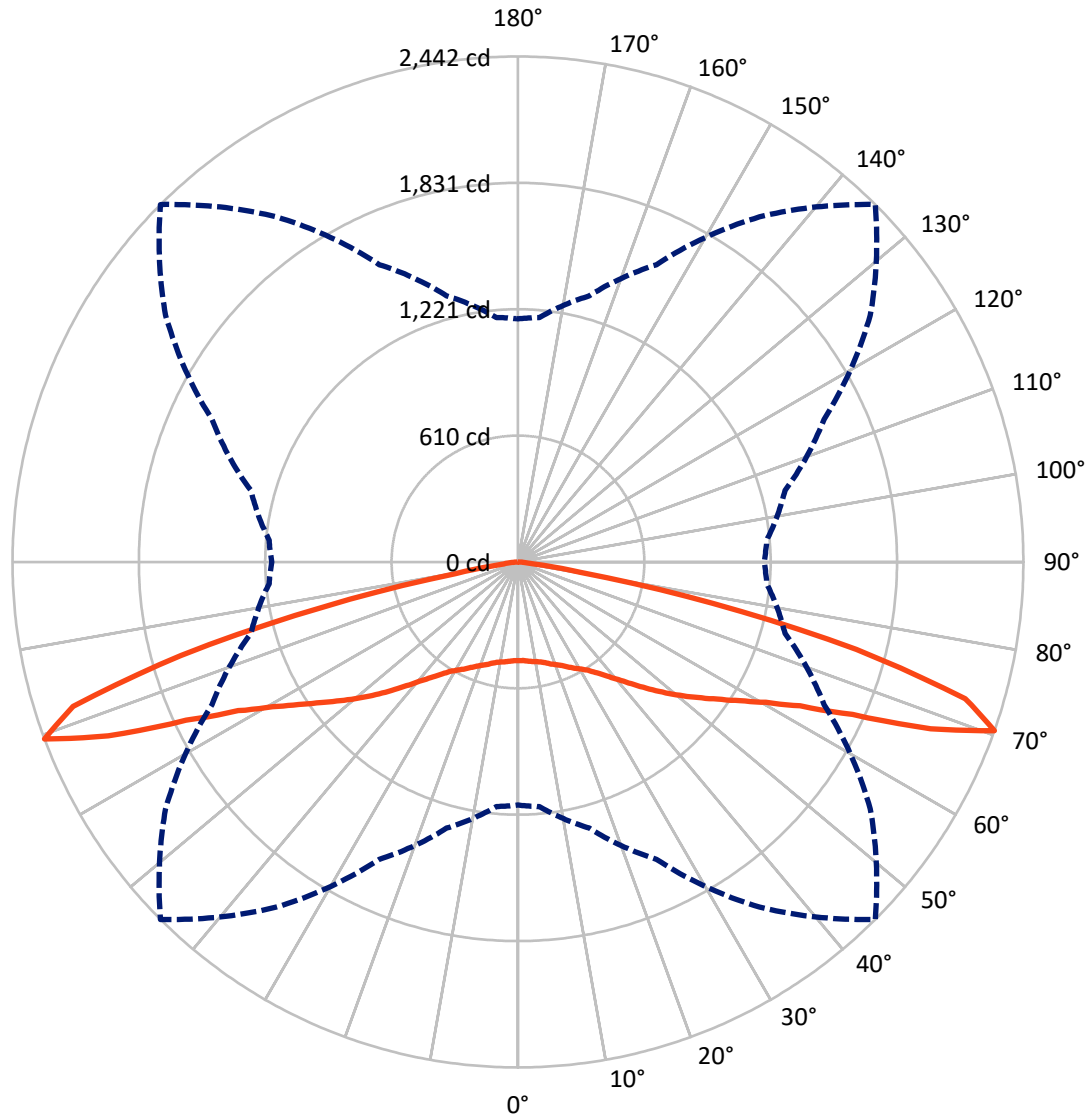
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2486.0	0.0	2486.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2486.0	0.0	2486.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4972.0	0.0	4972.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	0.9
10°-20°	143.5	2.9
20°-30°	256.4	5.2
30°-40°	415.6	8.4
40°-50°	677.0	13.6
50°-60°	1032.2	20.8
60°-70°	1535.6	30.9
70°-80°	836.9	16.8
80°-90°	28.5	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°	4972.0	100.0
0°-180°	4972.0	100.0

**Coefficient of Utilization**



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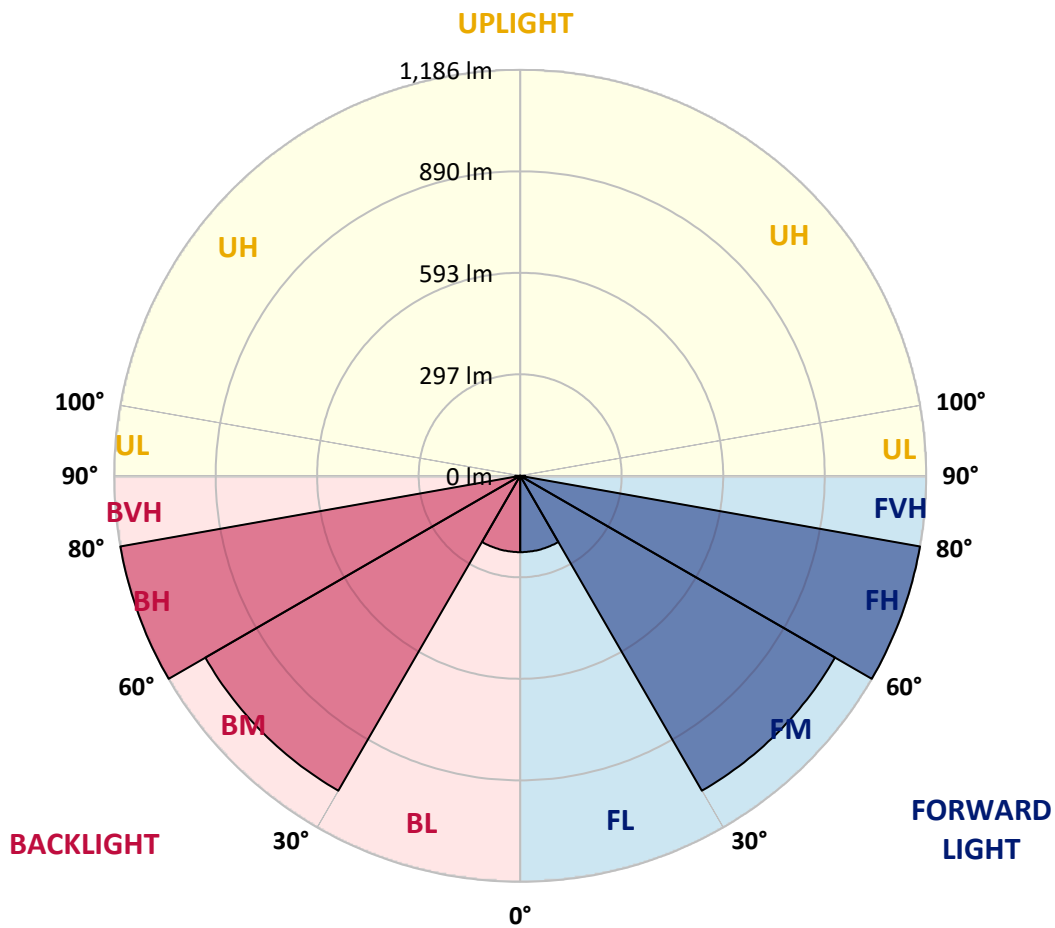
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.1	4.5			
FM (30°-60°)	1062.4	21.4			
FH (60°-80°)	1186.3	23.9			G1/1800
FVH (80°-90°)	14.2	0.3			G1/100
BL (0°-30°)	223.1	4.5	B1/500		
BM (30°-60°)	1062.4	21.4	B2/2500		
BH (60°-80°)	1186.3	23.9	B3/2500		G1/1800
BVH (80°-90°)	14.2	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°	476.3	476.3	476.3	476.3	476.3	476.3	476.3	476.3	476.3	476.3
2.5°	478.5	479.0	478.0	477.5	477.0	476.3	476.5	477.8	478.8	478.5
5°	482.5	483.0	482.3	482.0	481.0	480.8	480.8	482.0	482.8	482.3
7.5°	487.0	487.7	486.5	486.3	485.8	485.3	485.0	486.3	487.0	487.0
10°	491.2	492.0	491.0	490.2	489.7	489.7	489.2	490.2	491.5	491.2
12.5°	495.7	496.2	495.2	494.7	494.7	495.5	494.7	495.2	496.2	495.7
15°	501.2	501.5	501.2	502.0	503.2	505.7	503.5	503.0	503.5	502.2
17.5°	508.7	509.2	510.2	512.0	513.7	518.2	514.2	513.0	513.0	510.5
20°	518.0	518.7	520.2	523.2	525.4	529.7	525.7	523.9	523.2	519.9
22.5°	527.7	528.9	531.2	535.2	539.2	543.2	539.2	536.2	533.9	529.7
25°	538.9	540.4	543.9	550.4	555.9	561.6	556.9	550.9	546.4	540.4
27.5°	554.9	556.6	560.9	568.9	575.9	580.9	576.4	568.6	562.4	555.1
30°	577.4	579.1	584.1	592.6	597.3	600.6	597.6	591.6	584.1	575.9
32.5°	606.3	608.6	614.1	622.0	623.0	623.5	622.5	619.5	614.1	604.1
35°	643.0	645.5	651.7	658.2	657.2	658.2	656.7	655.7	651.7	640.3
37.5°	687.9	690.9	697.4	702.4	699.9	698.7	698.9	699.2	696.9	684.2
40°	740.1	744.1	748.8	754.1	749.8	746.1	748.6	750.6	748.6	735.6
42.5°	793.8	799.5	804.5	812.0	808.5	803.8	807.3	809.5	805.3	791.3
45°	853.4	858.9	865.4	876.6	874.2	869.2	874.2	874.7	867.4	850.9
47.5°	915.1	920.8	930.6	945.5	944.5	939.1	945.5	942.0	932.8	913.1
50°	973.5	981.5	996.5	1017.4	1019.4	1012.7	1021.4	1014.7	999.2	974.5
52.5°	1028.4	1036.9	1060.6	1089.1	1096.3	1087.6	1099.3	1087.6	1064.4	1032.7
55°	1086.1	1095.6	1123.8	1161.0	1175.4	1168.9	1179.9	1162.2	1129.3	1090.8
57.5°	1154.0	1159.7	1193.4	1237.6	1262.1	1263.6	1268.5	1238.6	1198.7	1155.0
60°	1227.6	1235.6	1272.3	1325.2	1363.9	1376.4	1371.1	1326.7	1280.3	1230.1
62.5°	1322.0	1330.7	1374.6	1438.0	1499.2	1530.1	1509.7	1445.3	1387.9	1327.7
65°	1400.1	1409.8	1489.2	1602.3	1713.6	1775.8	1724.3	1605.8	1502.4	1417.6
67.5°	1343.4	1355.4	1480.0	1687.6	1964.5	2149.9	1974.0	1713.1	1510.7	1395.6
70°	1174.2	1185.4	1330.7	1584.6	2035.1	2441.5	2077.5	1631.2	1335.4	1206.6
72.5°	779.5	815.7	962.8	1267.3	1817.2	2259.3	1835.2	1241.6	893.1	777.8
75°	258.6	287.6	387.9	657.0	1217.1	1689.6	1158.7	581.4	307.3	221.2
77.5°	65.1	75.1	103.6	188.0	485.5	962.0	437.1	153.5	83.6	58.4
80°	31.7	34.9	49.9	62.7	121.6	305.8	114.1	58.9	39.4	30.5
82.5°	17.5	17.7	28.2	35.4	45.2	79.1	46.9	34.4	22.7	18.5
85°	10.7	10.5	15.0	19.0	19.0	28.2	22.5	19.0	13.0	11.5
87.5°	4.2	4.2	5.5	6.0	5.2	7.2	5.7	6.2	5.0	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
476.3
478.8
482.5
487.0
491.2
495.5
502.2
510.5
519.9
529.4
540.2
554.9
575.9
604.3
640.3
684.2
735.6
792.3
852.7
911.8
974.0
1029.7
1085.6
1149.0
1222.1
1317.2
1403.6
1378.4
1189.4
752.6
209.2
52.2
28.0
18.5
12.0
5.0
0.0

OF REPORT)