

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: P945271

Luminaire Tested: **GALN-SB1B-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945271
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-SB1B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6241 lumens
Efficiency: N/A
Efficacy: 156.8 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

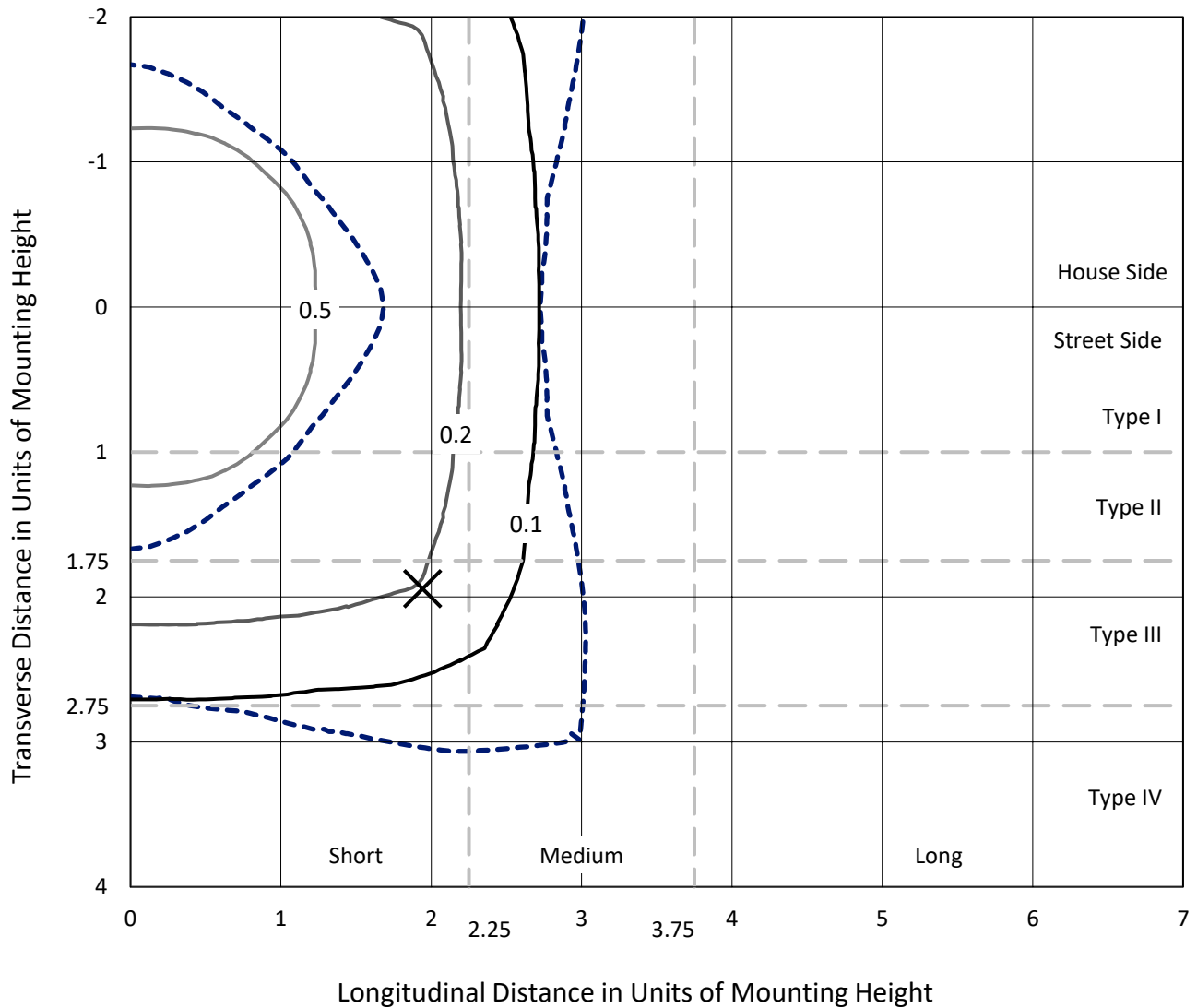
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

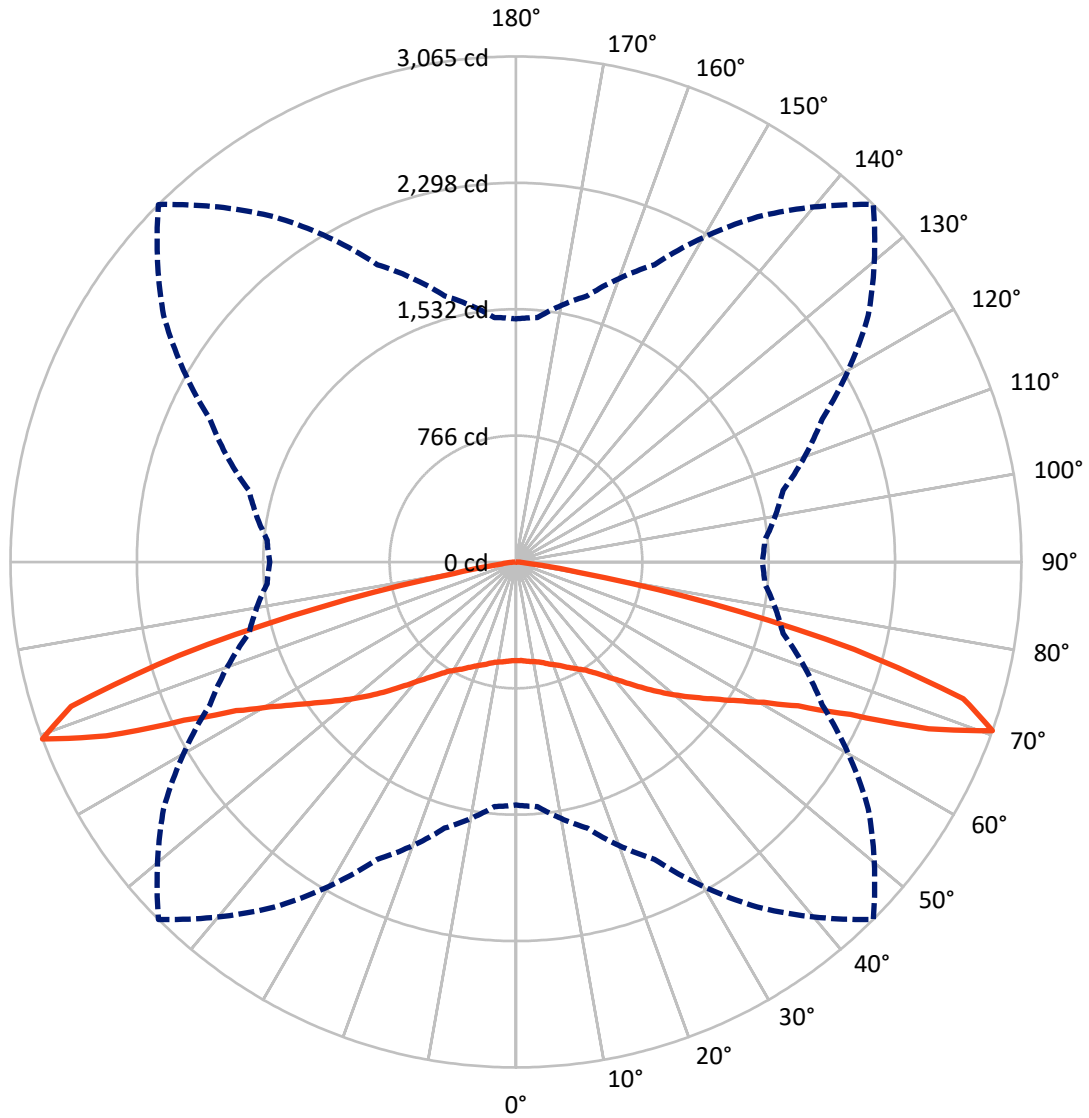
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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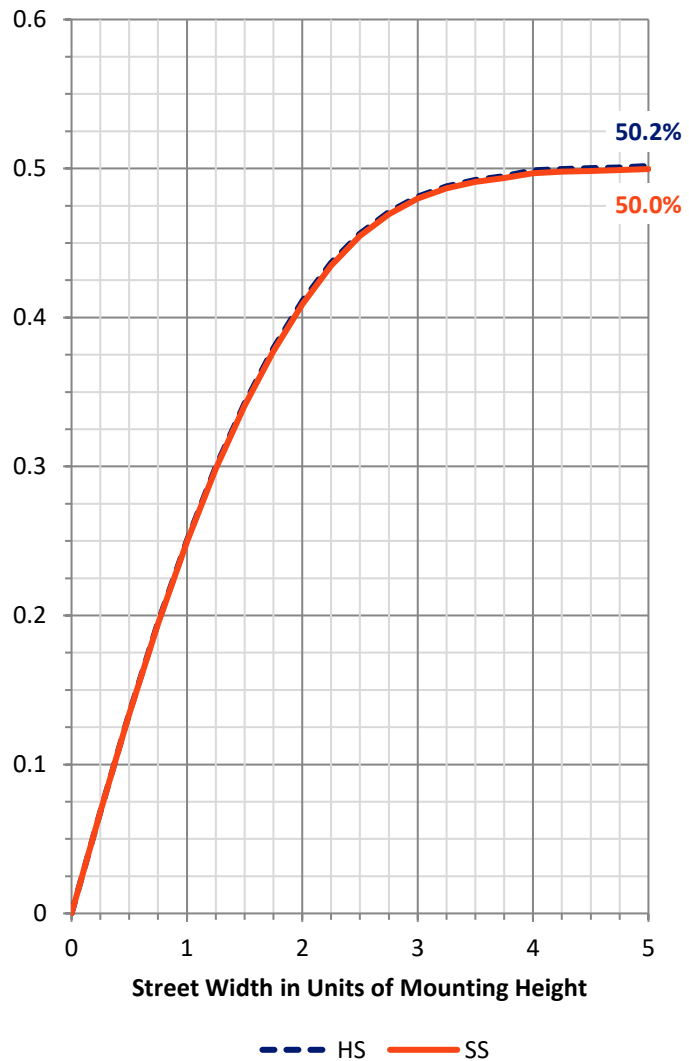
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3120.5	0.0	3120.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3120.5	0.0	3120.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6241.0	0.0	6241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	0.9
10°-20°	180.1	2.9
20°-30°	321.9	5.2
30°-40°	521.7	8.4
40°-50°	849.8	13.6
50°-60°	1295.6	20.8
60°-70°	1927.5	30.9
70°-80°	1050.6	16.8
80°-90°	35.8	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°	6241.0	100.0
0°-180°	6241.0	100.0

Coefficient of Utilization



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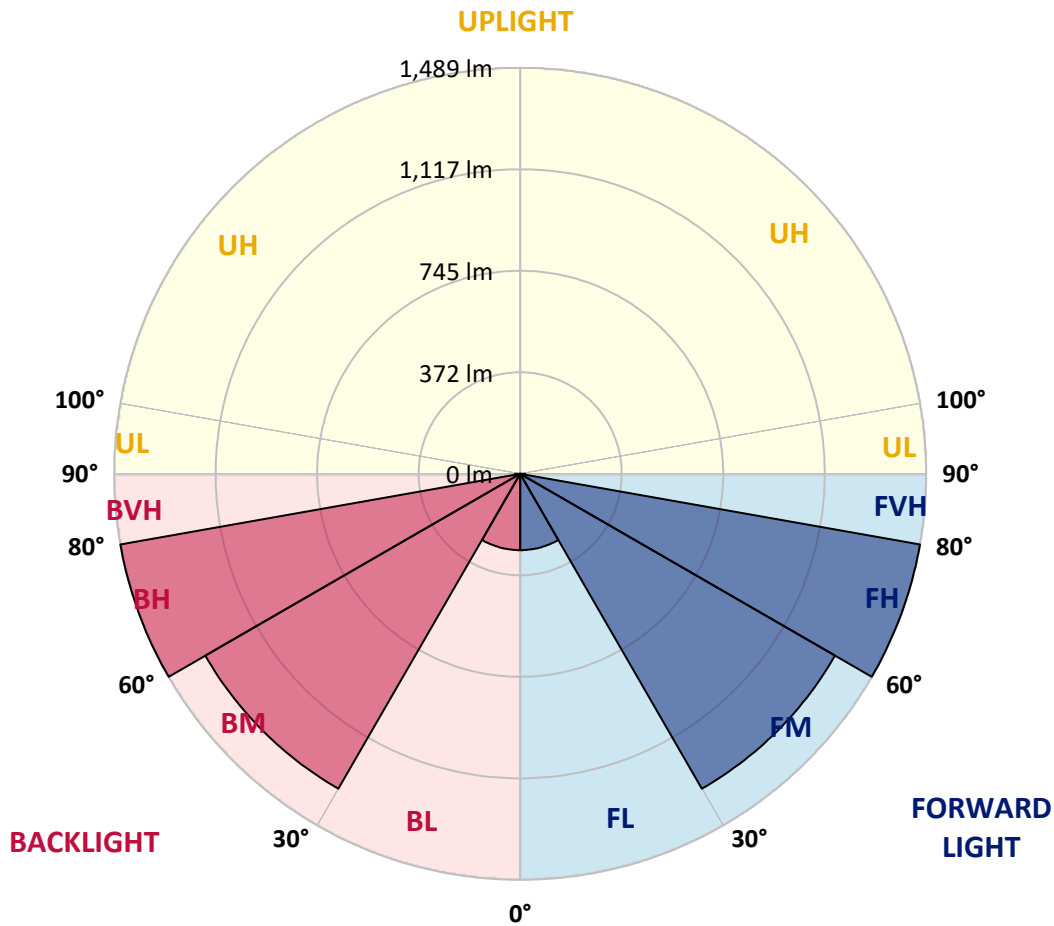
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.0	4.5			
FM (30°-60°)	1333.6	21.4			
FH (60°-80°)	1489.0	23.9			G1/1800
FVH (80°-90°)	17.9	0.3			G1/100
BL (0°-30°)	280.0	4.5	B1/500		
BM (30°-60°)	1333.6	21.4	B2/2500		
BH (60°-80°)	1489.0	23.9	B3/2500		G1/1800
BVH (80°-90°)	17.9	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°	597.8	597.8	597.8	597.8	597.8	597.8	597.8	597.8	597.8	597.8
2.5°	600.6	601.3	600.0	599.4	598.8	597.8	598.1	599.7	601.0	600.6
5°	605.7	606.3	605.3	605.0	603.8	603.5	603.5	605.0	606.0	605.3
7.5°	611.3	612.2	610.7	610.4	609.7	609.1	608.8	610.4	611.3	611.3
10°	616.6	617.6	616.3	615.4	614.7	614.7	614.1	615.4	616.9	616.6
12.5°	622.3	622.9	621.6	621.0	621.0	621.9	621.0	621.6	622.9	622.3
15°	629.2	629.5	629.2	630.1	631.7	634.8	632.0	631.3	632.0	630.4
17.5°	638.6	639.2	640.4	642.6	644.8	650.5	645.4	643.9	643.9	640.7
20°	650.1	651.1	653.0	656.7	659.5	664.9	659.9	657.7	656.7	652.7
22.5°	662.4	663.9	666.8	671.8	676.8	681.8	676.8	673.0	670.2	664.9
25°	676.5	678.3	682.7	690.9	697.8	705.0	699.0	691.5	685.9	678.3
27.5°	696.5	698.7	704.0	714.1	722.8	729.1	723.5	713.8	705.9	696.8
30°	724.7	726.9	733.2	743.8	749.8	753.9	750.1	742.6	733.2	722.8
32.5°	761.1	763.9	770.8	780.8	782.1	782.7	781.4	777.7	770.8	758.2
35°	807.1	810.3	818.1	826.2	825.0	826.2	824.4	823.1	818.1	803.7
37.5°	863.5	867.3	875.4	881.7	878.6	877.0	877.3	877.6	874.8	858.8
40°	929.0	934.0	940.0	946.6	941.2	936.5	939.7	942.2	939.7	923.4
42.5°	996.4	1003.6	1009.8	1019.2	1014.9	1008.9	1013.3	1016.1	1010.8	993.2
45°	1071.3	1078.1	1086.3	1100.4	1097.3	1091.0	1097.3	1097.9	1088.8	1068.1
47.5°	1148.6	1155.9	1168.1	1186.9	1185.6	1178.7	1186.9	1182.5	1170.9	1146.1
50°	1222.0	1232.0	1250.8	1277.1	1279.6	1271.2	1282.1	1273.7	1254.2	1223.2
52.5°	1290.9	1301.6	1331.3	1367.0	1376.1	1365.2	1379.9	1365.2	1336.0	1296.2
55°	1363.3	1375.2	1410.6	1457.3	1475.4	1467.3	1481.1	1458.8	1417.5	1369.2
57.5°	1448.5	1455.7	1498.0	1553.5	1584.2	1586.0	1592.3	1554.7	1504.6	1449.8
60°	1540.9	1551.0	1597.0	1663.4	1712.0	1727.7	1721.1	1665.3	1607.0	1544.1
62.5°	1659.4	1670.3	1725.5	1805.1	1881.8	1920.7	1895.0	1814.1	1742.1	1666.6
65°	1757.4	1769.7	1869.3	2011.2	2151.0	2229.0	2164.4	2015.6	1885.9	1779.4
67.5°	1686.3	1701.4	1857.7	2118.4	2465.9	2698.7	2477.8	2150.3	1896.2	1751.8
70°	1473.9	1488.0	1670.3	1989.0	2554.5	3064.6	2607.8	2047.6	1676.3	1514.6
72.5°	978.5	1023.9	1208.5	1590.7	2281.0	2835.9	2303.6	1558.5	1121.1	976.3
75°	324.6	360.9	486.9	824.7	1527.8	2120.9	1454.5	729.7	385.7	277.6
77.5°	81.8	94.3	130.0	235.9	609.4	1207.6	548.6	192.7	105.0	73.3
80°	39.8	43.9	62.7	78.6	152.6	383.8	143.2	73.9	49.5	38.2
82.5°	21.9	22.2	35.4	44.5	56.7	99.3	58.9	43.2	28.5	23.2
85°	13.5	13.2	18.8	23.8	23.8	35.4	28.2	23.8	16.3	14.4
87.5°	5.3	5.3	6.9	7.5	6.6	9.1	7.2	7.8	6.3	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
597.8
601.0
605.7
611.3
616.6
621.9
630.4
640.7
652.7
664.6
678.0
696.5
722.8
758.6
803.7
858.8
923.4
994.5
1070.3
1144.6
1222.6
1292.5
1362.6
1442.2
1534.0
1653.4
1761.8
1730.2
1493.0
944.7
262.6
65.5
35.1
23.2
15.0
6.3
0.0

OF REPORT)