

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: P946258

Luminaire Tested: **GALN-SB2A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946258
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-SB2A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7761 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 57.3
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

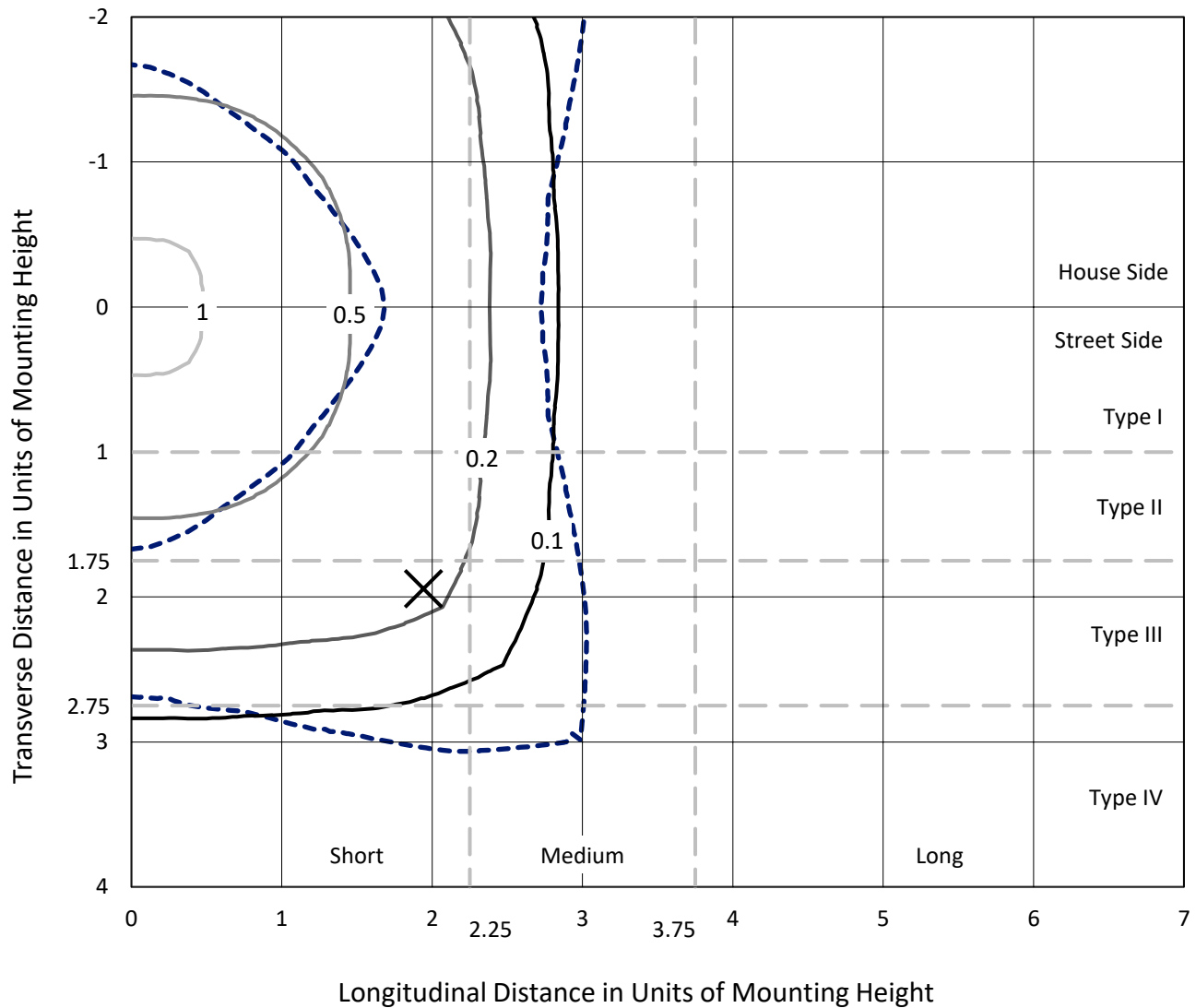


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

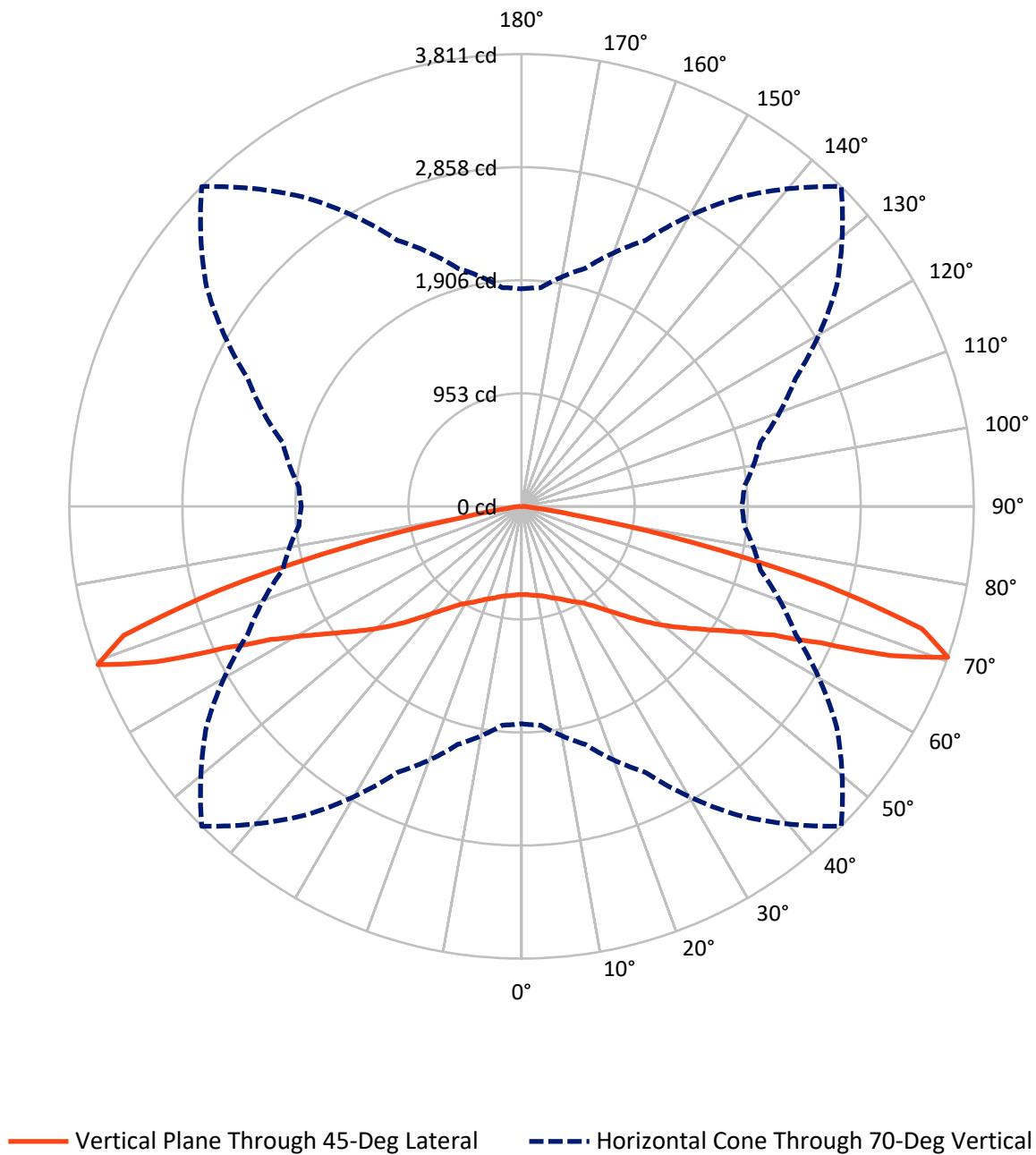


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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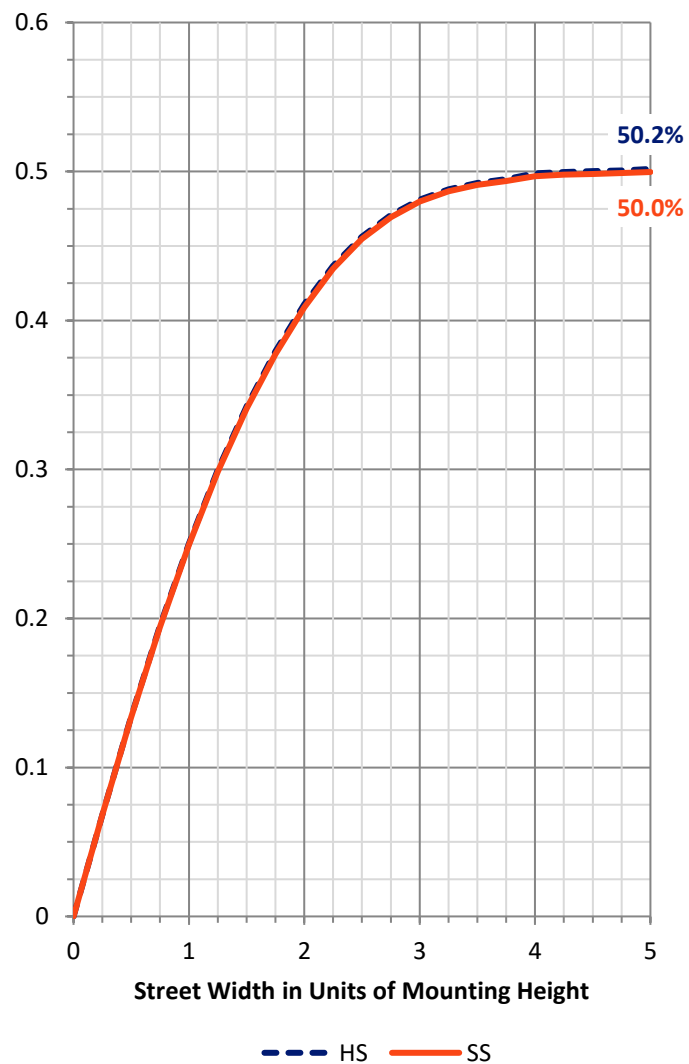
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3880.5	0.0	3880.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3880.5	0.0	3880.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7761.0	0.0	7761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	0.9
10°-20°	224.0	2.9
20°-30°	400.2	5.2
30°-40°	648.8	8.4
40°-50°	1056.8	13.6
50°-60°	1611.2	20.8
60°-70°	2396.9	30.9
70°-80°	1306.4	16.8
80°-90°	44.5	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°	7761.0	100.0
0°-180°	7761.0	100.0

Coefficient of Utilization



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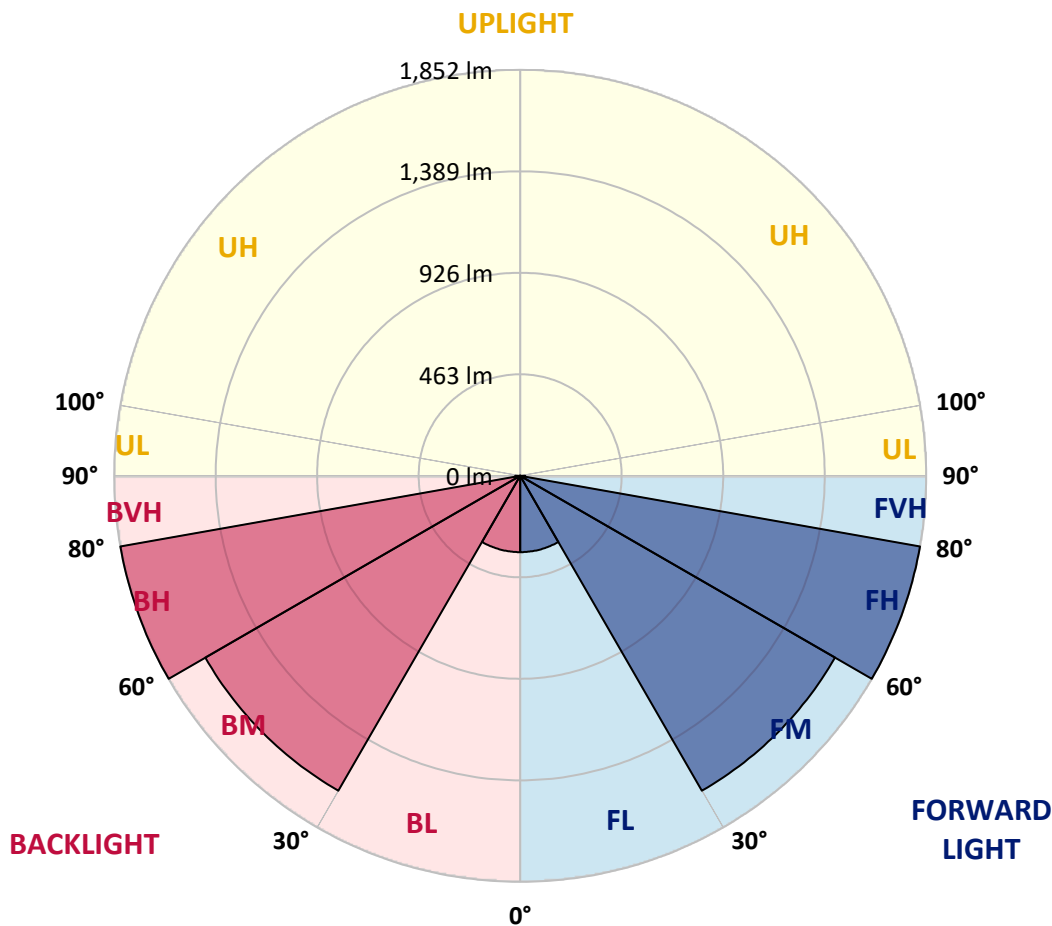
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.2	4.5			
FM	(30°-60°)	1658.4	21.4			
FH	(60°-80°)	1851.7	23.9			G2/5000
FVH	(80°-90°)	22.2	0.3			G1/100
BL	(0°-30°)	348.2	4.5	B1/500		
BM	(30°-60°)	1658.4	21.4	B2/2500		
BH	(60°-80°)	1851.7	23.9	B3/2500		G2/5000
BVH	(80°-90°)	22.2	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4
2.5°	746.9	747.7	746.2	745.4	744.6	743.4	743.8	745.8	747.3	746.9	747.3
5°	753.2	753.9	752.8	752.4	750.8	750.4	750.4	752.4	753.6	752.8	753.2
7.5°	760.2	761.3	759.4	759.0	758.2	757.5	757.1	759.0	760.2	760.2	760.2
10°	766.8	768.0	766.4	765.2	764.5	764.5	763.7	765.2	767.2	766.8	766.8
12.5°	773.8	774.6	773.0	772.3	772.3	773.4	772.3	773.0	774.6	773.8	773.4
15°	782.4	782.8	782.4	783.6	785.5	789.4	785.9	785.1	785.9	783.9	783.9
17.5°	794.1	794.9	796.4	799.1	801.9	808.9	802.6	800.7	800.7	796.8	796.8
20°	808.5	809.7	812.0	816.7	820.2	826.8	820.6	817.8	816.7	811.6	811.6
22.5°	823.7	825.6	829.1	835.4	841.6	847.8	841.6	836.9	833.4	826.8	826.4
25°	841.2	843.6	849.0	859.1	867.7	876.7	869.3	859.9	852.9	843.6	843.2
27.5°	866.2	868.9	875.5	888.0	898.9	906.7	899.7	887.6	877.8	866.5	866.2
30°	901.2	904.0	911.7	925.0	932.4	937.5	932.8	923.4	911.7	898.9	898.9
32.5°	946.4	949.9	958.5	971.0	972.5	973.3	971.7	967.1	958.5	942.9	943.3
35°	1003.7	1007.6	1017.3	1027.5	1025.9	1027.5	1025.1	1023.6	1017.3	999.4	999.4
37.5°	1073.8	1078.5	1088.6	1096.4	1092.5	1090.6	1091.0	1091.4	1087.9	1068.0	1068.0
40°	1155.3	1161.5	1168.9	1177.1	1170.5	1164.6	1168.5	1171.6	1168.5	1148.3	1148.3
42.5°	1239.0	1248.0	1255.8	1267.5	1262.0	1254.6	1260.1	1263.6	1257.0	1235.1	1236.7
45°	1332.2	1340.7	1350.9	1368.4	1364.5	1356.7	1364.5	1365.3	1354.0	1328.3	1331.0
47.5°	1428.4	1437.4	1452.6	1475.9	1474.4	1465.8	1475.9	1470.5	1456.1	1425.3	1423.3
50°	1519.6	1532.0	1555.4	1588.2	1591.3	1580.7	1594.4	1583.9	1559.7	1521.1	1520.4
52.5°	1605.3	1618.5	1655.6	1700.0	1711.3	1697.6	1716.0	1697.6	1661.4	1611.9	1607.2
55°	1695.3	1710.1	1754.1	1812.2	1834.8	1824.7	1841.8	1814.1	1762.7	1702.7	1694.5
57.5°	1801.3	1810.2	1862.8	1931.8	1970.0	1972.3	1980.1	1933.4	1871.0	1802.8	1793.5
60°	1916.2	1928.7	1986.0	2068.6	2129.0	2148.4	2140.3	2070.9	1998.4	1920.1	1907.7
62.5°	2063.5	2077.1	2145.7	2244.7	2340.1	2388.5	2356.5	2256.0	2166.4	2072.5	2056.1
65°	2185.5	2200.7	2324.6	2501.1	2674.8	2771.9	2691.6	2506.5	2345.2	2212.7	2190.9
67.5°	2097.0	2115.7	2310.1	2634.3	3066.4	3355.9	3081.2	2674.1	2358.1	2178.4	2151.6
70°	1832.8	1850.4	2077.1	2473.4	3176.7	3811.0	3242.9	2546.3	2084.5	1883.5	1856.6
72.5°	1216.8	1273.3	1502.8	1978.2	2836.5	3526.6	2864.6	1938.0	1394.1	1214.1	1174.7
75°	403.7	448.9	605.5	1025.5	1899.9	2637.4	1808.7	907.5	479.6	345.2	326.5
77.5°	101.7	117.3	161.7	293.4	757.8	1501.7	682.3	239.6	130.5	91.2	81.4
80°	49.5	54.5	77.9	97.8	189.8	477.3	178.1	92.0	61.6	47.5	43.6
82.5°	27.3	27.7	44.0	55.3	70.5	123.5	73.3	53.8	35.5	28.8	28.8
85°	16.8	16.4	23.4	29.6	29.6	44.0	35.1	29.6	20.3	17.9	18.7
87.5°	6.6	6.6	8.6	9.4	8.2	11.3	9.0	9.7	7.8	7.4	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)