

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: P946867

Luminaire Tested: **GALN-SB2B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946867
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-SB2B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7179 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

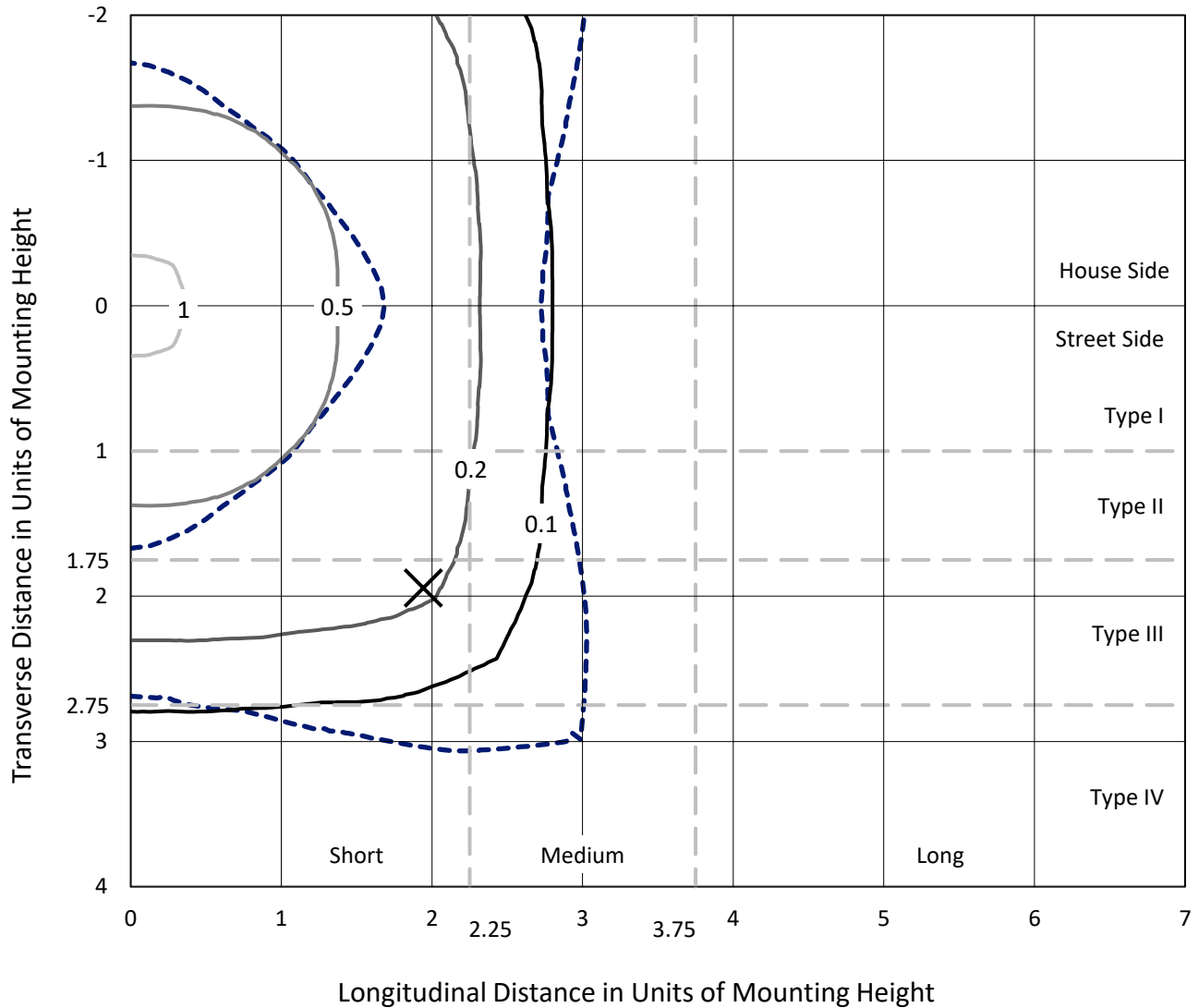
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

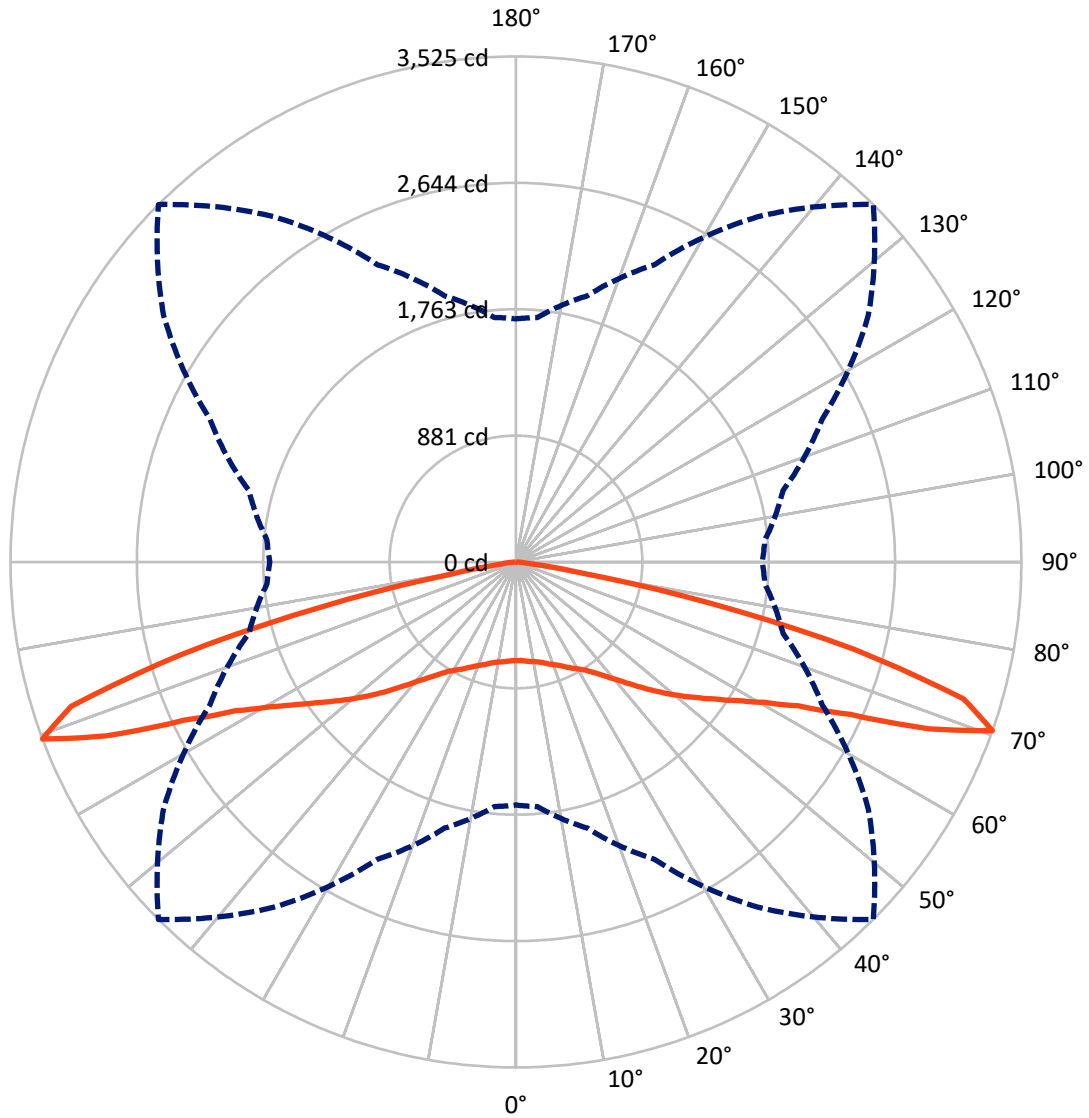
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3589.5	0.0	3589.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3589.5	0.0	3589.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7179.0	0.0	7179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	0.9
10°-20°	207.2	2.9
20°-30°	370.2	5.2
30°-40°	600.1	8.4
40°-50°	977.5	13.6
50°-60°	1490.4	20.8
60°-70°	2217.2	30.9
70°-80°	1208.4	16.8
80°-90°	41.1	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°	7179.0	100.0
0°-180°	7179.0	100.0

Coefficient of Utilization



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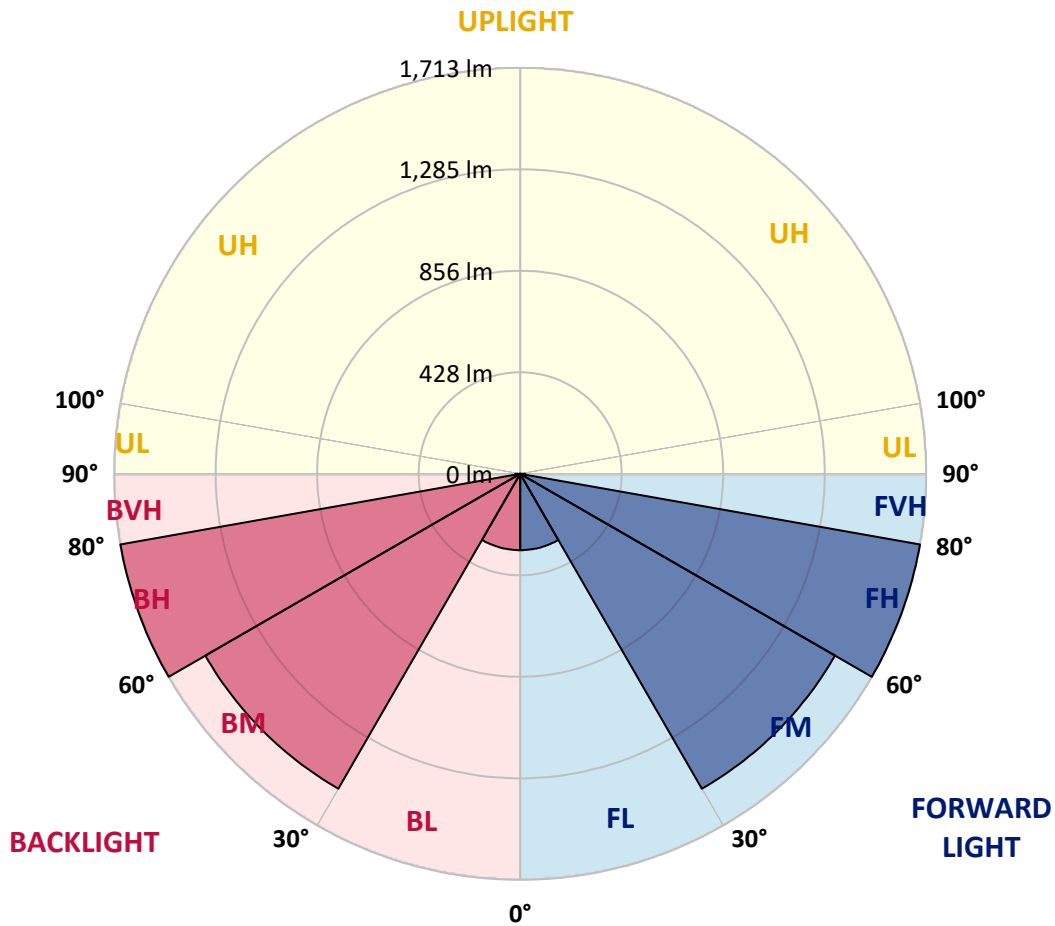
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.1	4.5			
FM (30°-60°)	1534.0	21.4			
FH (60°-80°)	1712.8	23.9			G1/1800
FVH (80°-90°)	20.6	0.3			G1/100
BL (0°-30°)	322.1	4.5	B1/500		
BM (30°-60°)	1534.0	21.4	B2/2500		
BH (60°-80°)	1712.8	23.9	B3/2500		G1/1800
BVH (80°-90°)	20.6	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°	687.7	687.7	687.7	687.7	687.7	687.7	687.7	687.7	687.7	687.7
2.5°	690.9	691.6	690.2	689.5	688.8	687.7	688.0	689.8	691.3	690.9
5°	696.7	697.4	696.3	696.0	694.5	694.2	694.2	696.0	697.0	696.3
7.5°	703.2	704.3	702.5	702.1	701.4	700.6	700.3	702.1	703.2	703.2
10°	709.3	710.4	708.9	707.9	707.1	707.1	706.4	707.9	709.7	709.3
12.5°	715.8	716.5	715.1	714.3	714.3	715.4	714.3	715.1	716.5	715.8
15°	723.7	724.1	723.7	724.8	726.6	730.2	727.0	726.2	727.0	725.2
17.5°	734.5	735.2	736.7	739.2	741.7	748.2	742.5	740.7	740.7	737.1
20°	747.9	748.9	751.1	755.4	758.7	764.8	759.0	756.5	755.4	750.7
22.5°	761.9	763.7	767.0	772.7	778.5	784.3	778.5	774.2	770.9	764.8
25°	778.1	780.3	785.3	794.7	802.6	810.9	804.1	795.4	789.0	780.3
27.5°	801.2	803.7	809.9	821.4	831.5	838.7	832.2	821.0	812.0	801.6
30°	833.6	836.2	843.4	855.6	862.5	867.2	862.8	854.2	843.4	831.5
32.5°	875.5	878.7	886.6	898.2	899.6	900.3	898.9	894.6	886.6	872.2
35°	928.4	932.0	941.0	950.4	949.0	950.4	948.3	946.8	941.0	924.5
37.5°	993.3	997.6	1007.0	1014.2	1010.6	1008.8	1009.2	1009.5	1006.3	987.9
40°	1068.6	1074.4	1081.2	1088.8	1082.7	1077.3	1080.9	1083.8	1080.9	1062.1
42.5°	1146.1	1154.4	1161.6	1172.4	1167.4	1160.5	1165.6	1168.8	1162.7	1142.5
45°	1232.3	1240.2	1249.6	1265.8	1262.2	1255.0	1262.2	1262.9	1252.4	1228.7
47.5°	1321.3	1329.6	1343.6	1365.3	1363.8	1355.9	1365.3	1360.2	1346.9	1318.4
50°	1405.6	1417.2	1438.8	1469.1	1471.9	1462.2	1474.8	1465.1	1442.7	1407.1
52.5°	1484.9	1497.2	1531.4	1572.5	1582.9	1570.3	1587.3	1570.3	1536.8	1491.0
55°	1568.2	1581.9	1622.6	1676.3	1697.2	1687.8	1703.7	1678.1	1630.5	1575.0
57.5°	1666.2	1674.5	1723.1	1786.9	1822.3	1824.4	1831.6	1788.4	1730.7	1667.6
60°	1772.5	1784.1	1837.0	1913.4	1969.3	1987.3	1979.8	1915.6	1848.6	1776.1
62.5°	1908.8	1921.4	1984.8	2076.4	2164.7	2209.4	2179.8	2086.8	2003.9	1917.1
65°	2021.6	2035.6	2150.2	2313.5	2474.3	2564.0	2489.8	2318.6	2169.3	2046.8
67.5°	1939.8	1957.1	2136.9	2436.8	2836.5	3104.3	2850.2	2473.5	2181.2	2015.1
70°	1695.4	1711.6	1921.4	2287.9	2938.5	3525.2	2999.7	2355.3	1928.2	1742.3
72.5°	1125.6	1177.8	1390.1	1829.8	2623.8	3262.1	2649.8	1792.7	1289.6	1123.1
75°	373.4	415.2	560.1	948.6	1757.4	2439.7	1673.1	839.4	443.7	319.3
77.5°	94.1	108.5	149.6	271.4	701.0	1389.0	631.1	221.7	120.7	84.3
80°	45.8	50.5	72.1	90.5	175.5	441.5	164.7	85.1	56.9	44.0
82.5°	25.2	25.6	40.7	51.2	65.2	114.3	67.8	49.7	32.8	26.7
85°	15.5	15.1	21.6	27.4	27.4	40.7	32.4	27.4	18.7	16.6
87.5°	6.1	6.1	7.9	8.6	7.6	10.5	8.3	9.0	7.2	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
687.7
691.3
696.7
703.2
709.3
715.4
725.2
737.1
750.7
764.4
779.9
801.2
831.5
872.6
924.5
987.9
1062.1
1144.0
1231.2
1316.6
1406.3
1486.7
1567.4
1659.0
1764.6
1901.9
2026.6
1990.2
1717.4
1086.7
302.0
75.3
40.4
26.7
17.3
7.2
0.0

OF REPORT)