

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: P945545

Luminaire Tested: **GALN-SB1C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6485 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 54.4
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

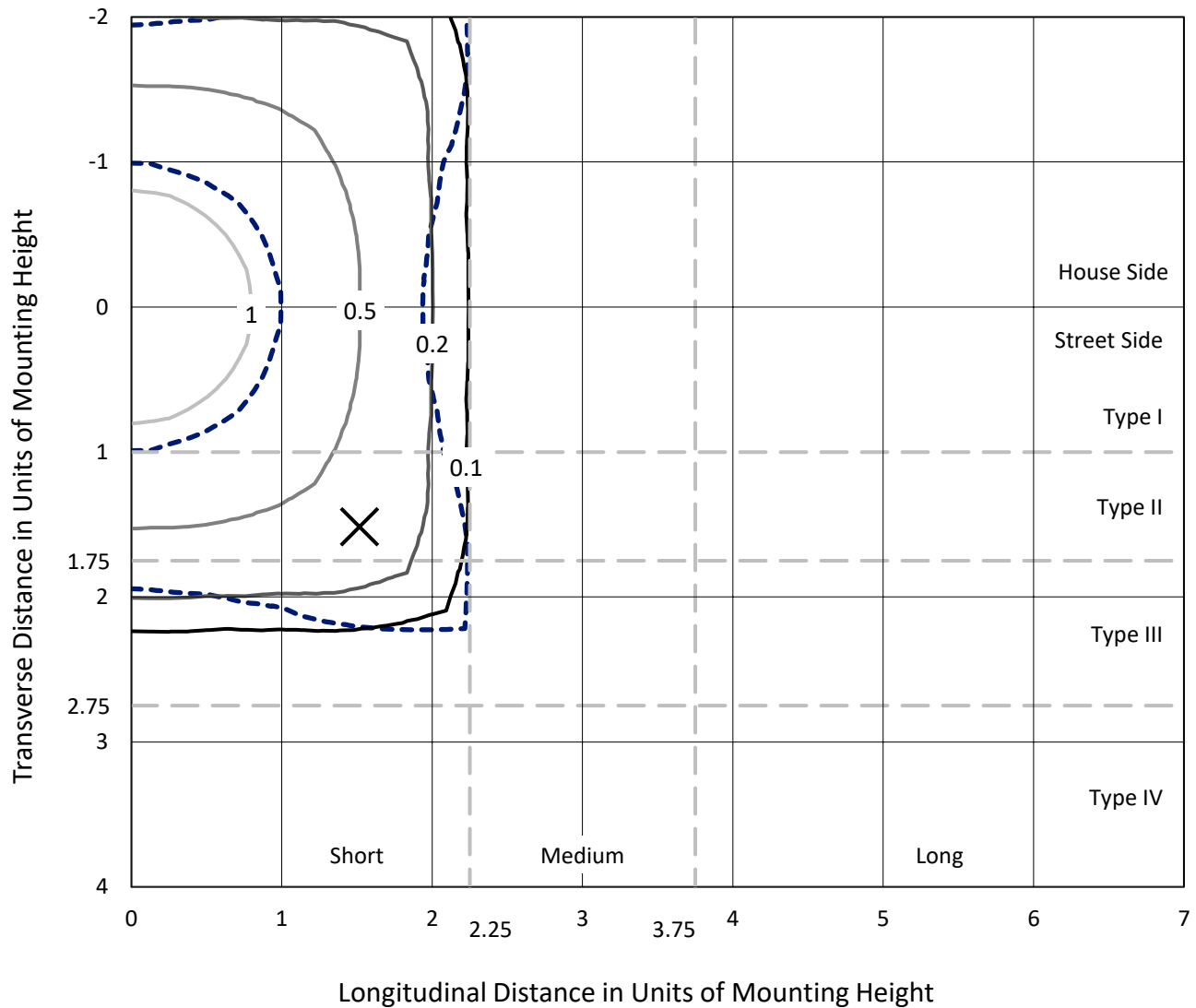


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

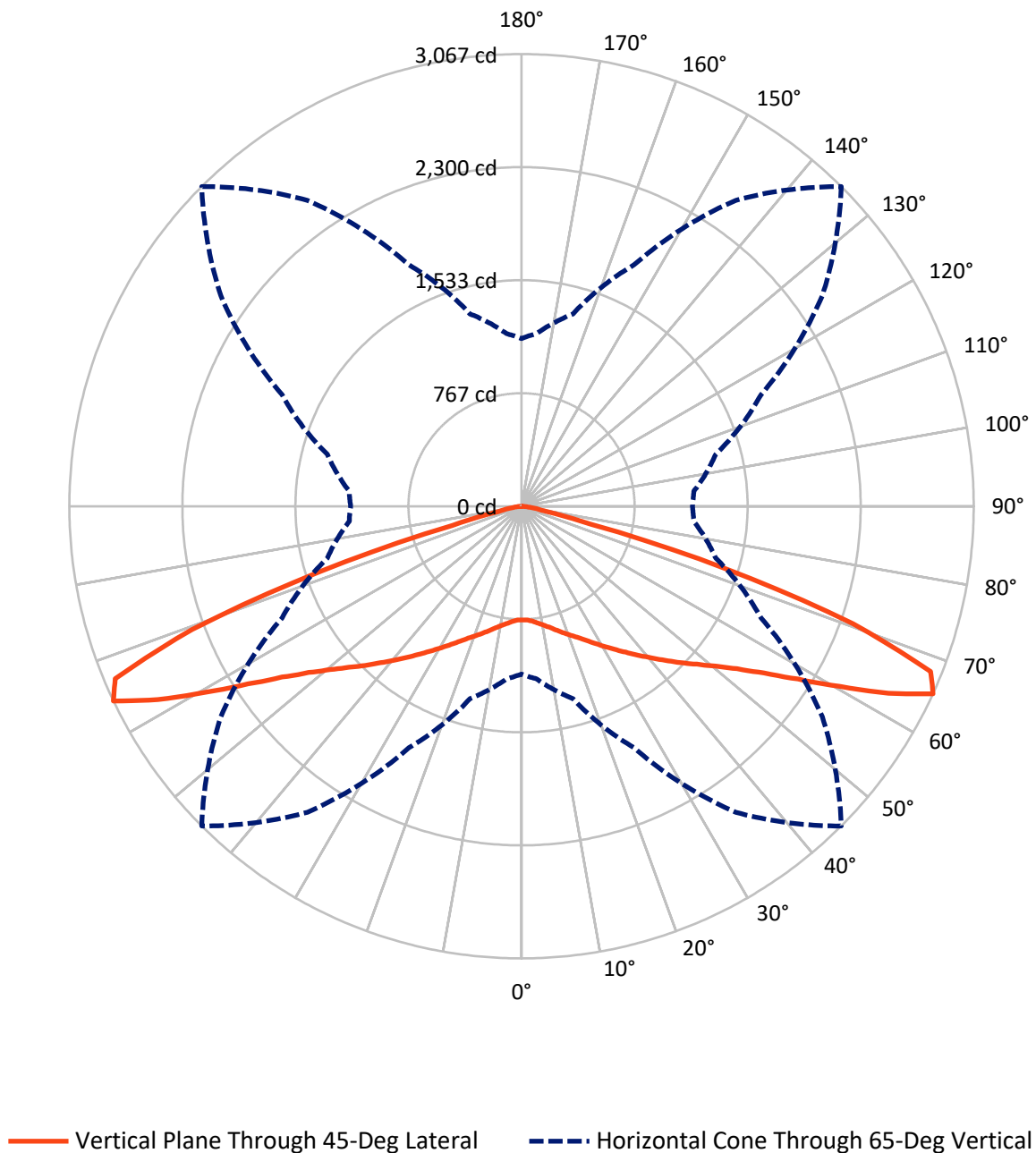


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3242.5	0.0	3242.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6485.0	0.0	6485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	1.2
10°-20°	248.5	3.8
20°-30°	469.3	7.2
30°-40°	768.4	11.8
40°-50°	1191.4	18.4
50°-60°	1760.0	27.1
60°-70°	1675.4	25.8
70°-80°	270.3	4.2
80°-90°	25.5	0.4
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°	6485.0	100.0
0°-180°	6485.0	100.0

Coefficient of Utilization



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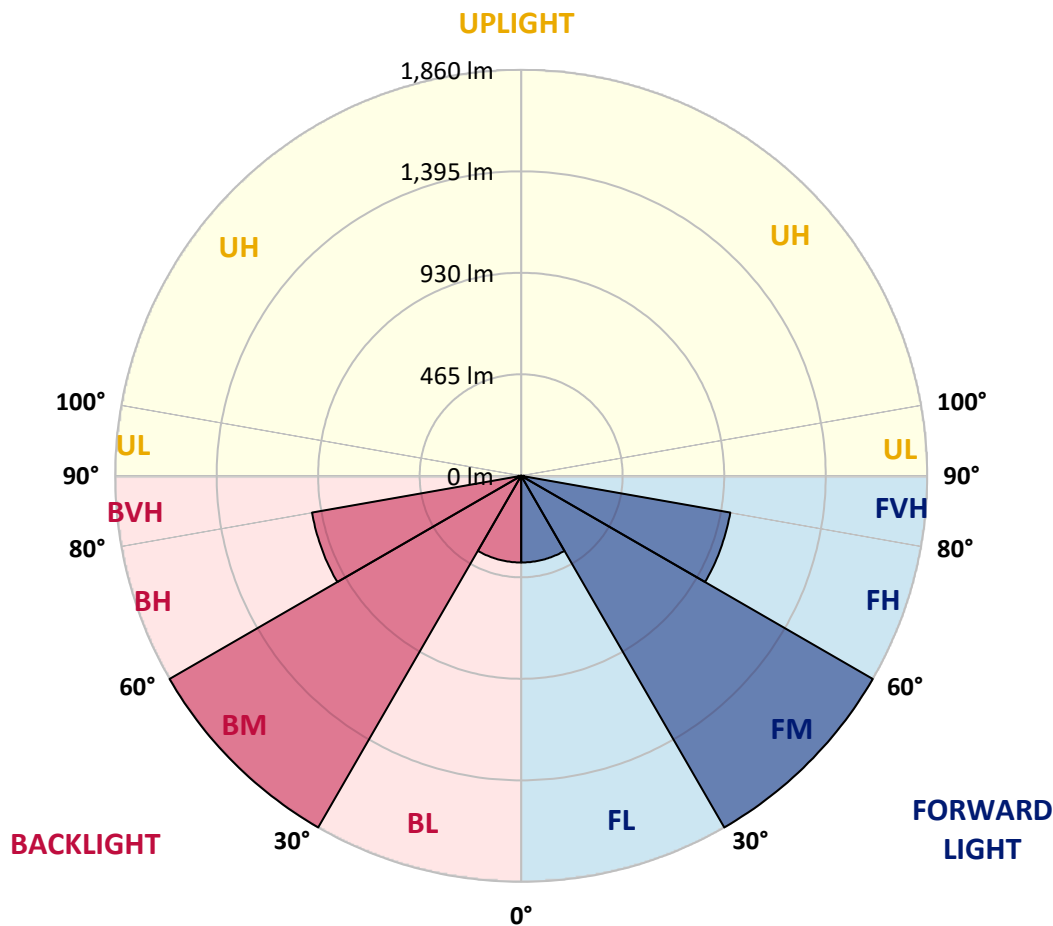
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.0	6.1			
FM	(30°-60°)	1859.9	28.7			
FH	(60°-80°)	972.8	15.0			G1/1800
FVH	(80°-90°)	12.7	0.2			G1/100
BL	(0°-30°)	397.0	6.1	B1/500		
BM	(30°-60°)	1859.9	28.7	B2/2500		
BH	(60°-80°)	972.8	15.0	B2/1000		G1/1800
BVH	(80°-90°)	12.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8	771.8
2.5°	777.0	774.4	776.3	774.7	773.4	772.1	772.8	775.0	776.0	776.3	776.3
5°	787.4	785.1	786.1	786.1	783.8	783.2	783.5	785.1	787.1	787.1	787.1
7.5°	804.3	802.0	804.3	803.0	801.1	800.4	800.1	801.4	804.3	804.3	803.3
10°	824.8	822.2	823.5	822.9	820.6	819.6	819.3	821.2	823.8	823.5	822.9
12.5°	847.3	844.3	846.0	844.0	843.4	842.4	842.4	842.1	843.7	842.4	843.0
15°	872.3	870.4	871.0	869.7	870.7	870.0	867.4	866.1	866.8	864.8	865.2
17.5°	901.9	897.4	899.7	899.0	899.0	900.3	896.1	894.4	895.7	893.8	895.4
20°	936.1	931.5	932.5	931.2	929.6	930.9	925.7	927.0	928.0	926.7	929.6
22.5°	973.5	967.7	967.3	968.0	964.4	964.7	961.1	964.4	966.4	962.8	966.4
25°	1011.9	1005.7	1010.0	1008.3	1003.8	1004.7	1002.1	1005.4	1007.0	1002.5	1007.7
27.5°	1052.6	1048.3	1052.2	1053.2	1047.7	1051.6	1047.7	1050.6	1052.2	1045.4	1050.6
30°	1100.1	1095.8	1099.4	1102.0	1095.5	1101.7	1098.5	1100.4	1100.7	1092.6	1097.5
32.5°	1151.8	1145.3	1154.4	1155.7	1148.6	1156.0	1151.8	1154.4	1156.0	1145.0	1152.5
35°	1214.9	1206.8	1217.2	1215.6	1209.4	1215.6	1211.7	1215.6	1219.5	1206.2	1214.3
37.5°	1282.9	1274.5	1285.5	1282.6	1276.8	1281.0	1278.7	1281.3	1287.5	1273.2	1282.0
40°	1357.8	1347.4	1362.3	1357.1	1351.6	1350.9	1352.2	1353.9	1362.0	1346.1	1351.3
42.5°	1437.8	1426.8	1449.2	1441.1	1433.3	1428.1	1432.3	1435.5	1443.3	1425.5	1434.9
45°	1529.2	1516.6	1545.8	1536.1	1523.7	1513.0	1519.8	1524.7	1536.1	1514.6	1525.7
47.5°	1630.1	1615.8	1647.0	1644.1	1623.9	1600.5	1616.1	1630.1	1638.6	1612.5	1621.3
50°	1728.7	1717.6	1758.6	1762.2	1737.5	1704.6	1726.4	1747.6	1749.8	1715.7	1719.9
52.5°	1821.1	1810.0	1869.6	1892.0	1869.9	1830.9	1854.0	1875.4	1858.2	1813.9	1815.2
55°	1895.0	1885.8	1961.7	2019.6	2027.1	1994.8	2008.5	2007.9	1951.2	1883.2	1885.5
57.5°	1912.9	1911.6	2007.2	2129.9	2208.0	2211.9	2184.9	2115.9	1993.9	1902.4	1896.6
60°	1831.5	1839.6	1971.1	2187.5	2395.7	2482.3	2365.4	2168.6	1945.4	1818.5	1803.5
62.5°	1588.1	1609.6	1768.1	2117.2	2547.3	2793.3	2510.2	2088.6	1746.3	1580.7	1570.9
65°	1138.1	1175.6	1350.6	1806.8	2533.7	3066.6	2489.4	1792.1	1363.6	1172.6	1158.6
67.5°	516.4	554.4	703.1	1237.1	2202.4	2992.4	2197.2	1250.1	738.3	556.4	548.3
70°	187.1	193.6	241.4	495.2	1407.6	2384.3	1467.7	498.8	256.7	206.3	203.7
72.5°	113.2	114.2	124.3	177.3	489.0	1447.6	509.9	183.2	126.9	112.6	114.5
75°	71.9	71.3	88.5	108.3	173.4	488.4	181.9	108.3	88.2	80.4	81.0
77.5°	51.7	53.4	63.4	81.0	109.3	165.6	107.4	77.4	63.4	52.1	53.0
80°	38.7	39.7	46.2	63.1	76.8	103.1	68.3	57.3	47.8	32.5	33.5
82.5°	28.0	28.0	30.3	45.9	46.9	55.6	37.1	40.3	31.6	23.1	23.1
85°	16.6	16.3	18.9	27.3	24.4	20.5	16.9	24.7	19.8	14.3	14.0
87.5°	5.9	6.2	5.9	7.8	6.5	5.5	5.2	6.8	5.5	4.9	4.6
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)