

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: P945209

Luminaire Tested: **GALN-SB1B-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945209
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-SB1B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5475 lumens
Efficiency: N/A
Efficacy: 137.6 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): 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

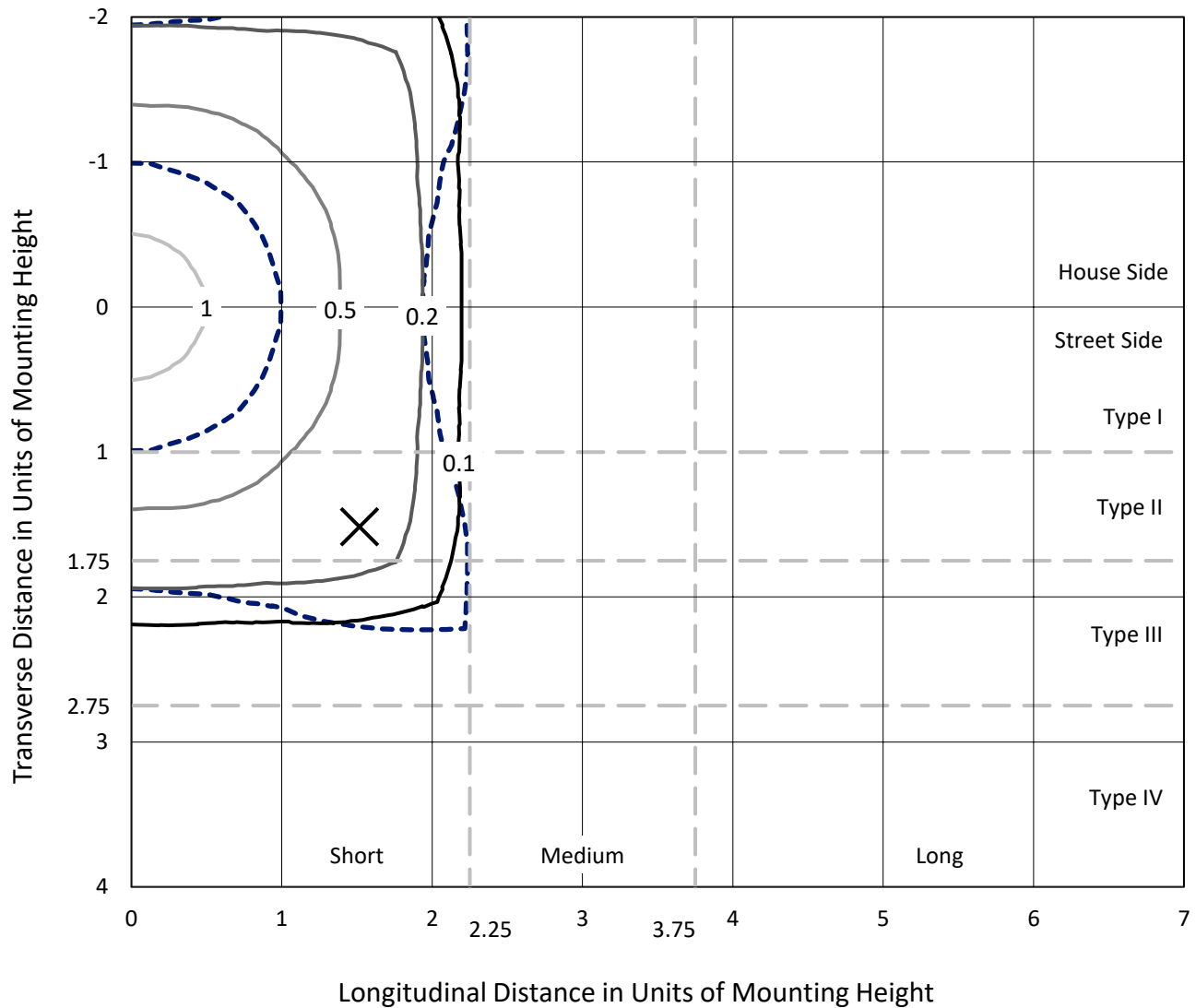


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

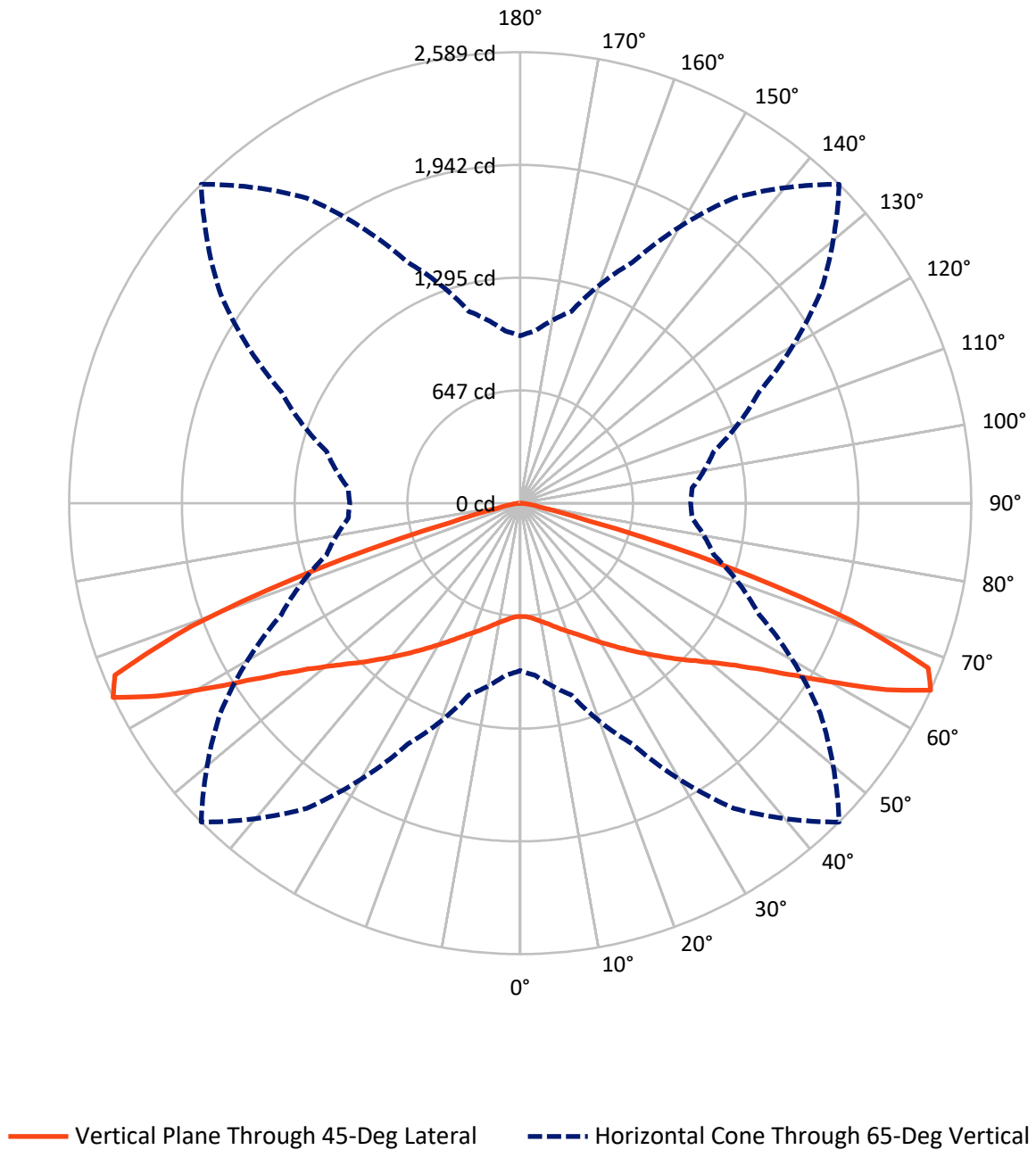


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2737.5	0.0	2737.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2737.5	0.0	2737.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5475.0	0.0	5475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.2
10°-20°	209.8	3.8
20°-30°	396.2	7.2
30°-40°	648.7	11.8
40°-50°	1005.9	18.4
50°-60°	1485.9	27.1
60°-70°	1414.4	25.8
70°-80°	228.2	4.2
80°-90°	21.5	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°	5475.0	100.0
0°-180°	5475.0	100.0

Coefficient of Utilization



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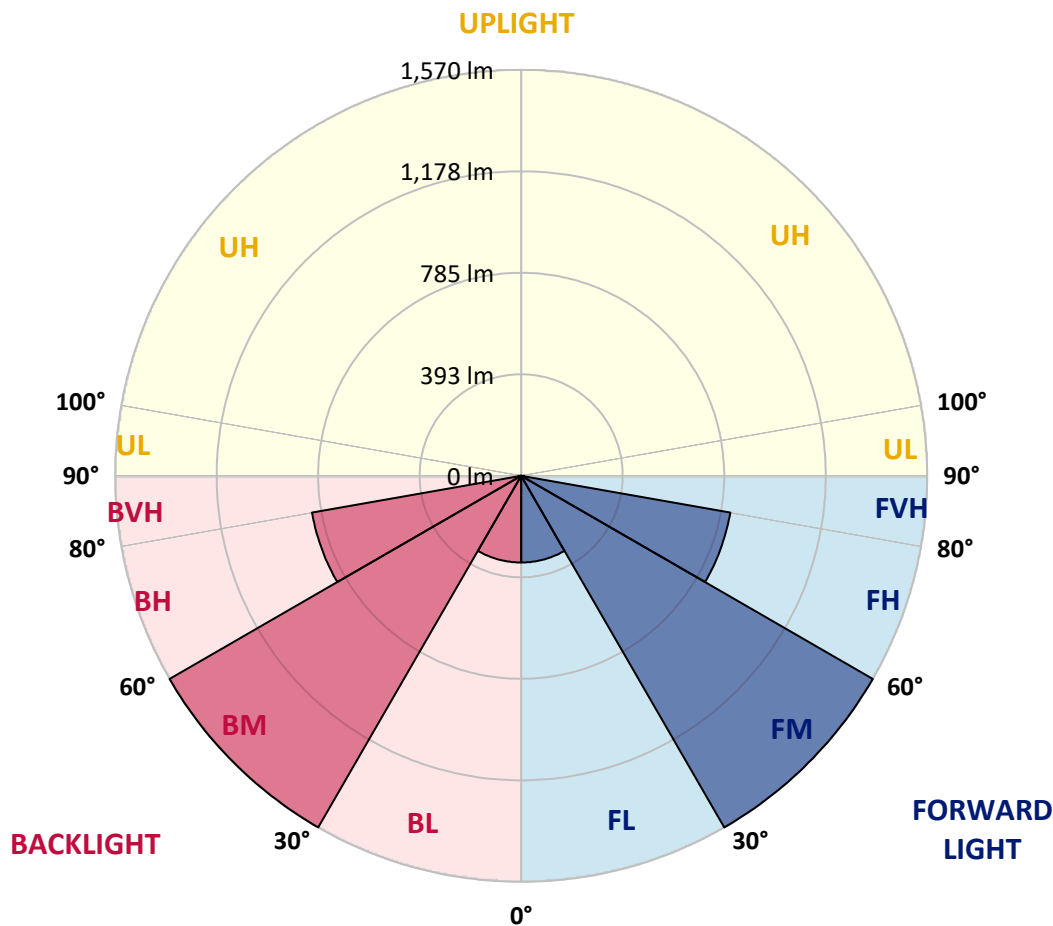
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.2	6.1			
FM	(30°-60°)	1570.2	28.7			
FH	(60°-80°)	821.3	15.0			G1/1800
FVH	(80°-90°)	10.8	0.2			G1/100
BL	(0°-30°)	335.2	6.1	B1/500		
BM	(30°-60°)	1570.2	28.7	B2/2500		
BH	(60°-80°)	821.3	15.0	B2/1000		G1/1800
BVH	(80°-90°)	10.8	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°	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6	651.6
2.5°	656.0	653.8	655.4	654.1	653.0	651.9	652.4	654.3	655.2	655.4	655.4
5°	664.8	662.8	663.7	663.7	661.7	661.2	661.5	662.8	664.5	664.5	664.5
7.5°	679.0	677.1	679.0	678.0	676.3	675.8	675.5	676.6	679.0	679.0	678.2
10°	696.4	694.2	695.3	694.7	692.8	692.0	691.7	693.3	695.5	695.3	694.7
12.5°	715.3	712.8	714.2	712.6	712.0	711.2	711.2	710.9	712.3	711.2	711.7
15°	736.5	734.8	735.4	734.3	735.1	734.5	732.3	731.2	731.8	730.1	730.4
17.5°	761.5	757.6	759.5	759.0	759.0	760.1	756.5	755.1	756.2	754.6	756.0
20°	790.3	786.5	787.3	786.2	784.8	785.9	781.5	782.6	783.4	782.3	784.8
22.5°	821.9	816.9	816.7	817.2	814.2	814.5	811.5	814.2	815.8	812.8	815.8
25°	854.3	849.1	852.7	851.3	847.4	848.3	846.1	848.8	850.2	846.3	850.7
27.5°	888.6	885.1	888.4	889.2	884.5	887.8	884.5	887.0	888.4	882.6	887.0
30°	928.7	925.2	928.2	930.4	924.9	930.1	927.4	929.0	929.3	922.4	926.6
32.5°	972.4	966.9	974.6	975.7	969.7	976.0	972.4	974.6	976.0	966.7	973.0
35°	1025.7	1018.8	1027.6	1026.3	1021.0	1026.3	1023.0	1026.3	1029.6	1018.3	1025.2
37.5°	1083.1	1076.0	1085.3	1082.9	1077.9	1081.5	1079.6	1081.8	1087.0	1074.9	1082.3
40°	1146.3	1137.5	1150.2	1145.8	1141.1	1140.5	1141.6	1143.0	1149.9	1136.4	1140.8
42.5°	1213.9	1204.5	1223.5	1216.6	1210.0	1205.6	1209.2	1212.0	1218.6	1203.4	1211.4
45°	1291.1	1280.4	1305.1	1296.8	1286.4	1277.3	1283.1	1287.2	1296.8	1278.7	1288.1
47.5°	1376.2	1364.1	1390.5	1388.0	1371.0	1351.2	1364.4	1376.2	1383.4	1361.4	1368.8
50°	1459.5	1450.1	1484.7	1487.8	1466.9	1439.1	1457.5	1475.4	1477.3	1448.5	1452.0
52.5°	1537.5	1528.1	1578.4	1597.4	1578.7	1545.7	1565.2	1583.3	1568.8	1531.4	1532.5
55°	1599.8	1592.1	1656.1	1705.0	1711.4	1684.2	1695.7	1695.2	1647.4	1589.9	1591.9
57.5°	1614.9	1613.8	1694.6	1798.2	1864.1	1867.4	1844.6	1786.4	1683.3	1606.1	1601.2
60°	1546.3	1553.1	1664.1	1846.8	2022.6	2095.7	1997.0	1830.9	1642.4	1535.3	1522.6
62.5°	1340.8	1358.9	1492.7	1787.4	2150.6	2358.3	2119.3	1763.3	1474.3	1334.5	1326.2
65°	960.9	992.5	1140.3	1525.4	2139.1	2589.0	2101.7	1513.0	1151.3	990.0	978.2
67.5°	435.9	468.1	593.6	1044.4	1859.4	2526.4	1855.0	1055.4	623.3	469.7	462.9
70°	158.0	163.4	203.8	418.1	1188.3	2013.0	1239.2	421.1	216.7	174.2	172.0
72.5°	95.6	96.4	104.9	149.7	412.9	1222.1	430.4	154.7	107.1	95.0	96.7
75°	60.7	60.2	74.7	91.5	146.4	412.3	153.6	91.5	74.4	67.9	68.4
77.5°	43.7	45.1	53.6	68.4	92.3	139.8	90.6	65.4	53.6	44.0	44.8
80°	32.7	33.5	39.0	53.3	64.8	87.1	57.7	48.3	40.4	27.5	28.3
82.5°	23.6	23.6	25.5	38.7	39.6	47.0	31.3	34.1	26.6	19.5	19.5
85°	14.0	13.7	15.9	23.1	20.6	17.3	14.3	20.9	16.8	12.1	11.8
87.5°	4.9	5.2	4.9	6.6	5.5	4.7	4.4	5.8	4.7	4.1	3.8
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)