

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: P945565

Luminaire Tested: **GALN-SB1C-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945565
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-SB1C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7277 lumens
Efficiency: N/A
Efficacy: 133.8 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): 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

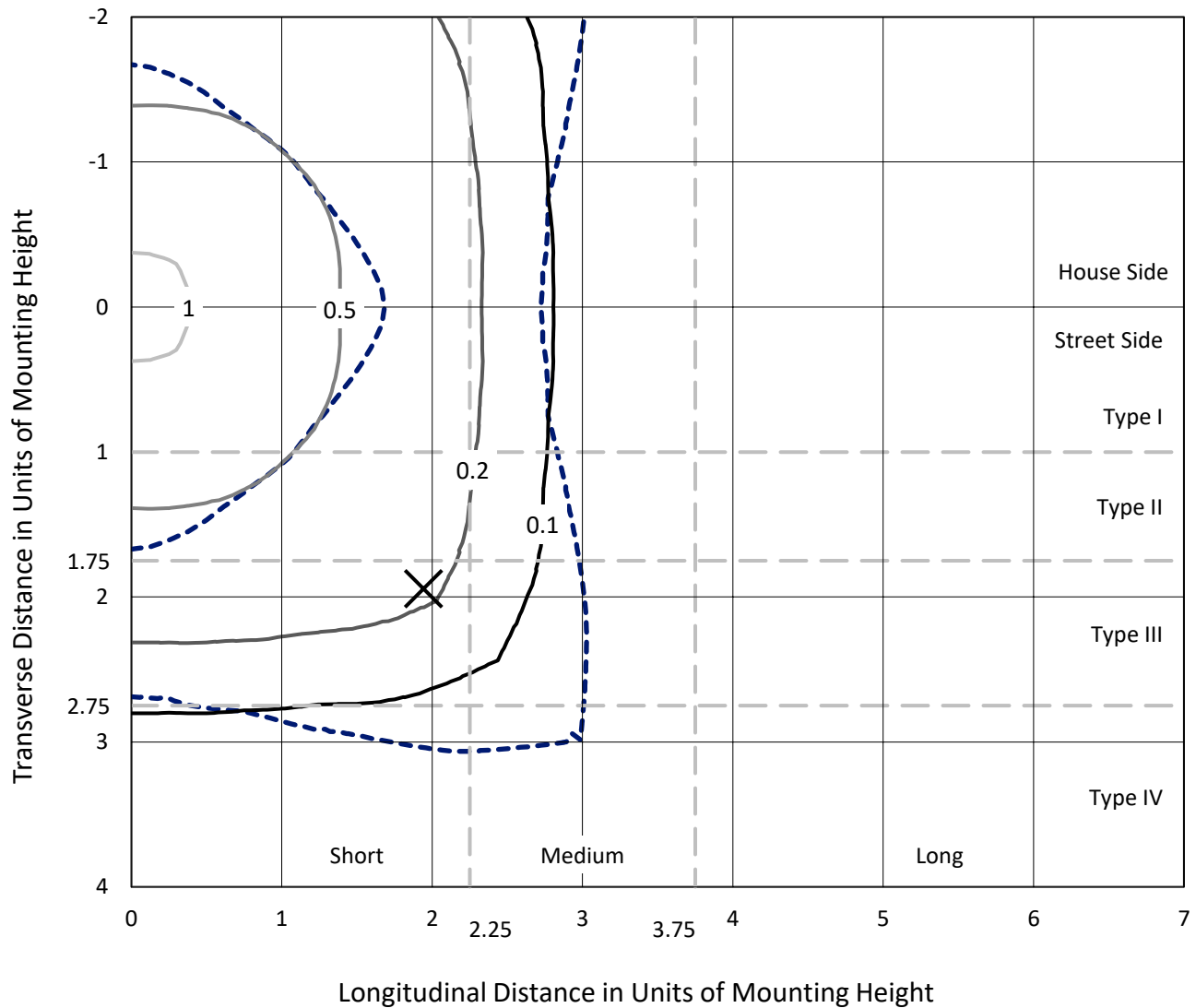


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

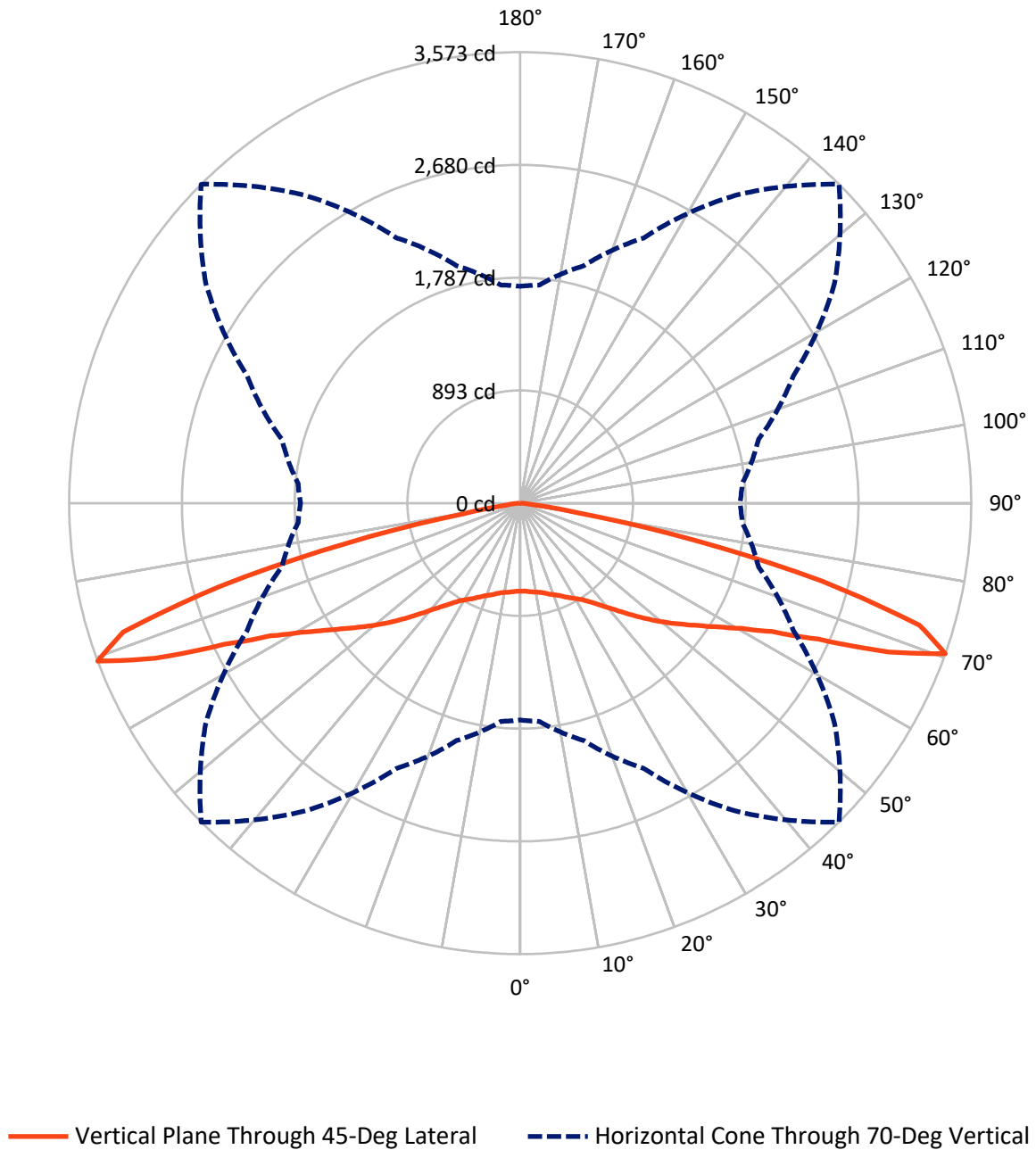


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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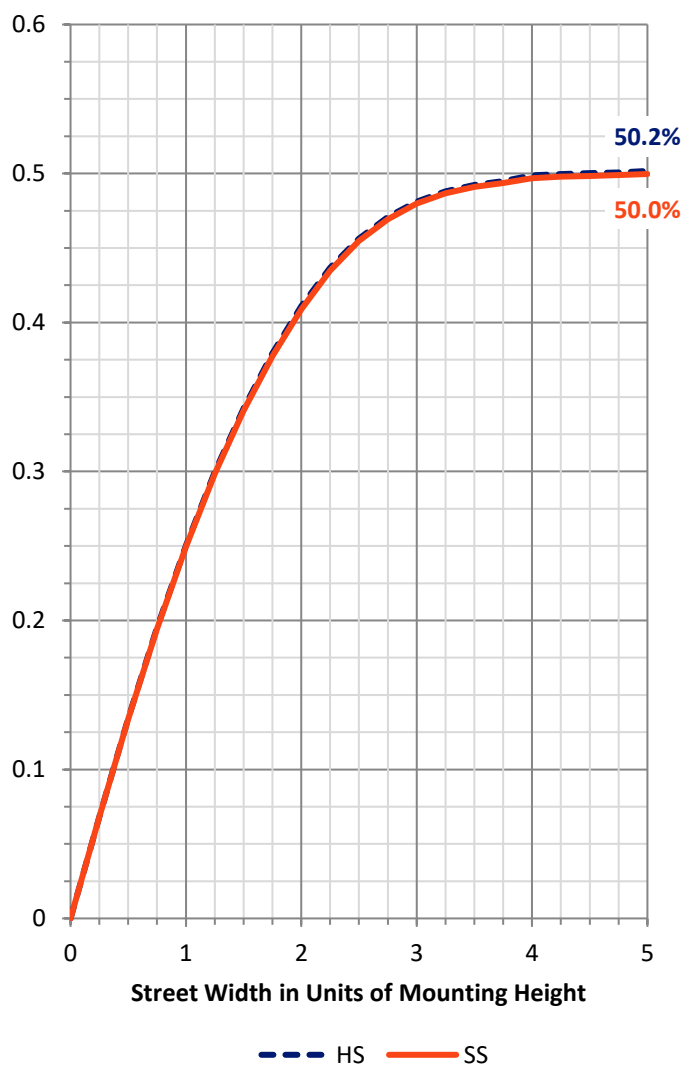
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3638.5	0.0	3638.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3638.5	0.0	3638.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7277.0	0.0	7277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	0.9
10°-20°	210.0	2.9
20°-30°	375.3	5.2
30°-40°	608.3	8.4
40°-50°	990.9	13.6
50°-60°	1510.7	20.8
60°-70°	2247.5	30.9
70°-80°	1225.0	16.8
80°-90°	41.7	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°	7277.0	100.0
0°-180°	7277.0	100.0

Coefficient of Utilization



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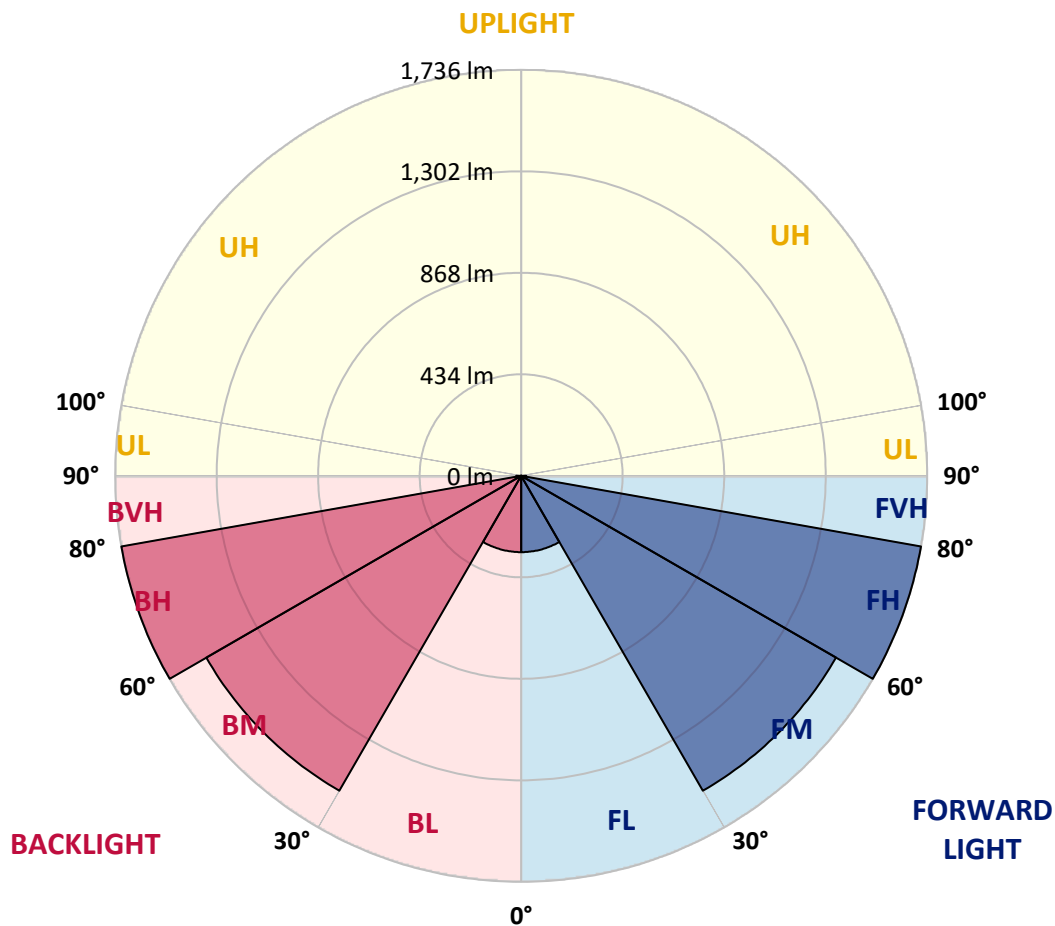
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.5	4.5			
FM	(30°-60°)	1554.9	21.4			
FH	(60°-80°)	1736.2	23.9			G1/1800
FVH	(80°-90°)	20.9	0.3			G1/100
BL	(0°-30°)	326.5	4.5	B1/500		
BM	(30°-60°)	1554.9	21.4	B2/2500		
BH	(60°-80°)	1736.2	23.9	B3/2500		G1/1800
BVH	(80°-90°)	20.9	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°	90°
0°	697.1	697.1	697.1	697.1	697.1	697.1	697.1	697.1	697.1	697.1	697.1
2.5°	700.3	701.1	699.6	698.9	698.2	697.1	697.4	699.3	700.7	700.3	700.7
5°	706.2	706.9	705.8	705.5	704.0	703.6	703.6	705.5	706.6	705.8	706.2
7.5°	712.8	713.9	712.0	711.7	710.9	710.2	709.8	711.7	712.8	712.8	712.8
10°	719.0	720.1	718.6	717.5	716.8	716.8	716.1	717.5	719.3	719.0	719.0
12.5°	725.6	726.3	724.8	724.1	724.1	725.2	724.1	724.8	726.3	725.6	725.2
15°	733.6	734.0	733.6	734.7	736.5	740.2	736.9	736.2	736.9	735.1	735.1
17.5°	744.6	745.3	746.7	749.3	751.9	758.4	752.6	750.8	750.8	747.1	747.1
20°	758.1	759.2	761.4	765.7	769.0	775.2	769.4	766.8	765.7	761.0	761.0
22.5°	772.3	774.1	777.4	783.3	789.1	795.0	789.1	784.7	781.5	775.2	774.9
25°	788.8	791.0	796.1	805.6	813.6	822.0	815.1	806.3	799.7	791.0	790.6
27.5°	812.1	814.7	820.9	832.6	842.8	850.1	843.6	832.2	823.1	812.5	812.1
30°	845.0	847.6	854.9	867.3	874.2	879.0	874.6	865.8	854.9	842.8	842.8
32.5°	887.4	890.7	898.7	910.4	911.9	912.6	911.1	906.8	898.7	884.1	884.5
35°	941.1	944.8	953.9	963.4	961.9	963.4	961.2	959.7	953.9	937.1	937.1
37.5°	1006.9	1011.3	1020.7	1028.1	1024.4	1022.6	1022.9	1023.3	1020.0	1001.4	1001.4
40°	1083.2	1089.1	1096.0	1103.7	1097.5	1092.0	1095.6	1098.6	1095.6	1076.6	1076.6
42.5°	1161.8	1170.2	1177.5	1188.4	1183.3	1176.4	1181.5	1184.8	1178.6	1158.1	1159.6
45°	1249.1	1257.1	1266.6	1283.1	1279.4	1272.1	1279.4	1280.1	1269.5	1245.4	1248.0
47.5°	1339.3	1347.7	1362.0	1383.9	1382.4	1374.4	1383.9	1378.8	1365.3	1336.4	1334.6
50°	1424.8	1436.5	1458.4	1489.1	1492.0	1482.2	1495.0	1485.1	1462.4	1426.3	1425.5
52.5°	1505.2	1517.6	1552.3	1594.0	1604.6	1591.8	1608.9	1591.8	1557.8	1511.4	1507.0
55°	1589.6	1603.5	1644.7	1699.2	1720.4	1710.9	1726.9	1701.0	1652.8	1596.5	1588.8
57.5°	1688.9	1697.4	1746.7	1811.3	1847.1	1849.3	1856.6	1812.8	1754.3	1690.4	1681.6
60°	1796.7	1808.4	1862.1	1939.6	1996.2	2014.5	2006.8	1941.8	1873.8	1800.4	1788.7
62.5°	1934.8	1947.6	2011.9	2104.7	2194.2	2239.5	2209.6	2115.3	2031.3	1943.2	1927.9
65°	2049.2	2063.4	2179.6	2345.1	2508.0	2599.0	2523.7	2350.2	2199.0	2074.7	2054.3
67.5°	1966.2	1983.8	2166.1	2470.0	2875.2	3146.6	2889.1	2507.3	2211.0	2042.6	2017.4
70°	1718.5	1735.0	1947.6	2319.2	2978.6	3573.4	3040.7	2387.5	1954.5	1766.0	1740.8
72.5°	1140.9	1193.9	1409.1	1854.8	2659.6	3306.7	2686.0	1817.2	1307.2	1138.4	1101.5
75°	378.5	420.9	567.7	961.6	1781.4	2473.0	1695.9	850.9	449.7	323.7	306.2
77.5°	95.4	110.0	151.6	275.1	710.6	1408.0	639.7	224.7	122.4	85.5	76.4
80°	46.4	51.1	73.1	91.7	177.9	447.5	167.0	86.2	57.7	44.6	40.9
82.5°	25.6	25.9	41.3	51.9	66.1	115.8	68.7	50.4	33.2	27.0	27.0
85°	15.7	15.3	21.9	27.8	27.8	41.3	32.9	27.8	19.0	16.8	17.5
87.5°	6.2	6.2	8.0	8.8	7.7	10.6	8.4	9.1	7.3	6.9	7.3
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)