

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: P945212

Luminaire Tested: **GALN-SB1B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5380 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

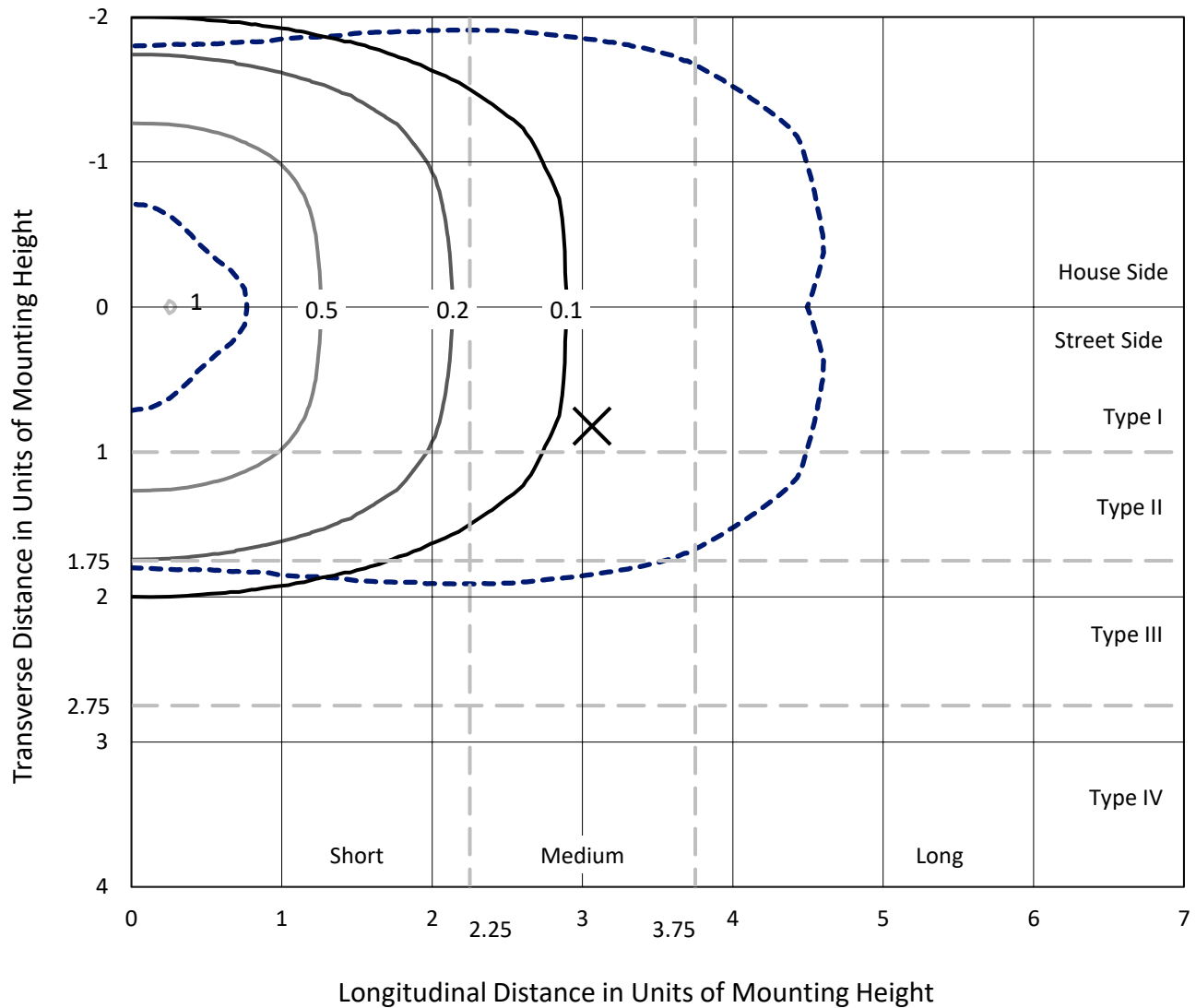


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

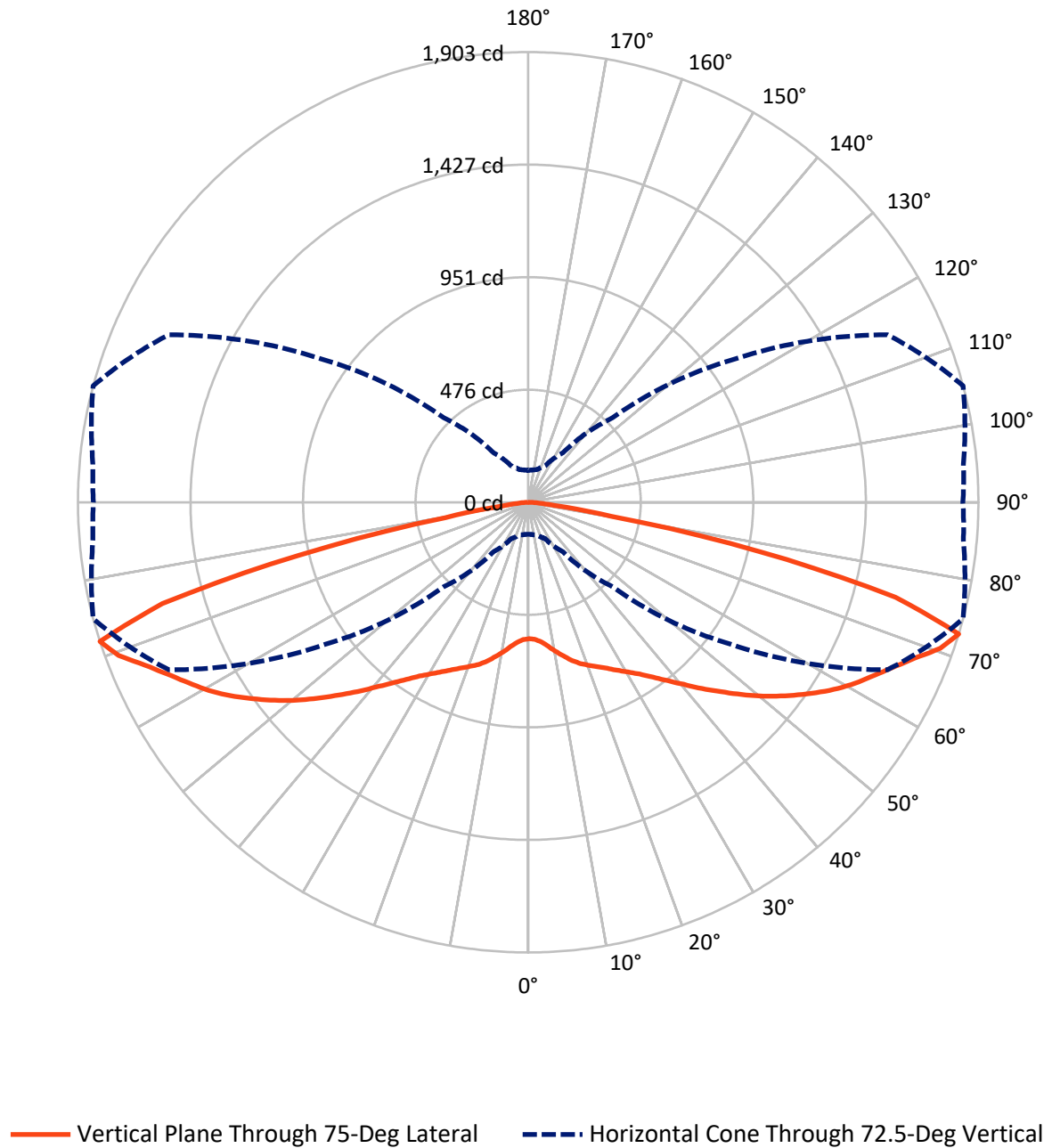


Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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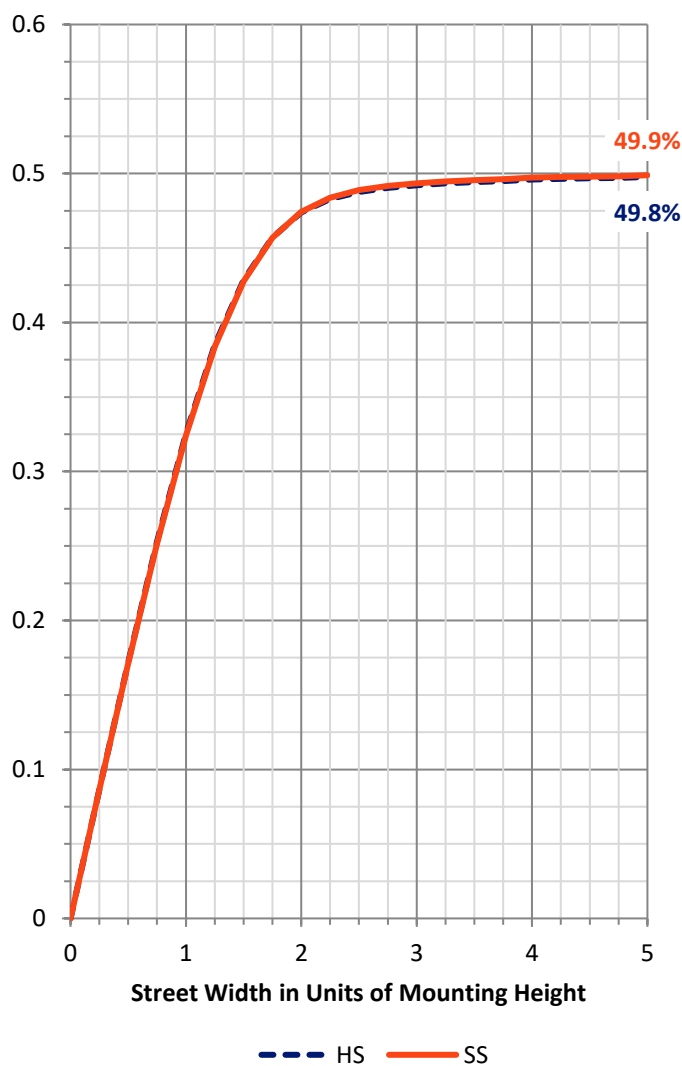
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2690.0	0.0	2690.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2690.0	0.0	2690.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5380.0	0.0	5380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.0
10°-20°	186.2	3.5
20°-30°	359.8	6.7
30°-40°	607.5	11.3
40°-50°	963.4	17.9
50°-60°	1289.9	24.0
60°-70°	1227.6	22.8
70°-80°	640.6	11.9
80°-90°	48.5	0.9
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°	5380.0	100.0
0°-180°	5380.0	100.0

Coefficient of Utilization



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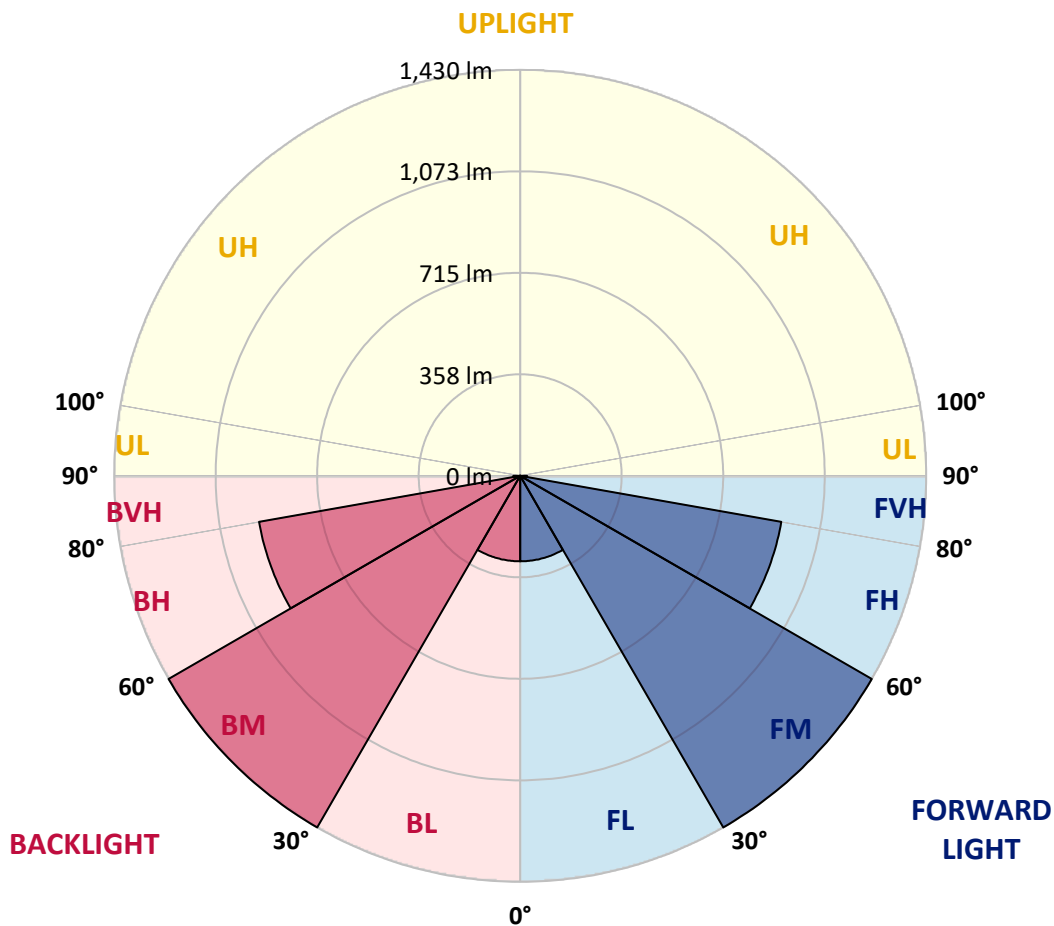
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.2	5.6			
FM	(30°-60°)	1430.4	26.6			
FH	(60°-80°)	934.1	17.4			G1/1800
FVH	(80°-90°)	24.2	0.5			G1/100
BL	(0°-30°)	301.2	5.6	B1/500		
BM	(30°-60°)	1430.4	26.6	B2/2500		
BH	(60°-80°)	934.1	17.4	B2/1000		G2/1000
BVH	(80°-90°)	24.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	576.3	575.7	576.3	576.8	576.6	576.6	577.9	578.8	580.4	580.1	579.9
5°	572.4	572.2	574.4	576.8	578.8	582.1	586.2	589.2	593.1	593.9	593.9
7.5°	570.5	569.7	573.5	577.9	584.0	592.2	600.2	608.4	615.0	617.2	617.8
10°	571.9	572.2	577.4	585.6	595.2	606.8	618.0	632.1	641.4	643.6	645.8
12.5°	578.2	577.7	586.5	599.6	612.8	627.4	640.6	656.0	666.1	671.3	673.5
15°	589.8	588.7	601.0	620.5	639.7	656.8	667.5	682.0	693.9	700.5	702.9
17.5°	603.5	604.0	620.2	645.5	670.8	690.0	700.2	707.6	716.7	722.4	725.2
20°	627.7	628.8	646.9	676.8	705.7	727.6	735.9	733.1	735.6	740.0	743.3
22.5°	660.1	660.6	681.0	713.4	743.6	767.8	773.2	762.0	755.1	758.1	760.3
25°	697.7	701.3	721.6	754.8	785.9	809.0	811.4	794.4	777.4	778.2	779.6
27.5°	743.6	746.9	767.5	800.4	832.0	852.1	851.8	829.0	804.0	797.7	799.6
30°	793.3	796.9	818.0	852.1	881.5	899.1	895.2	868.0	832.3	820.5	821.9
32.5°	852.4	854.6	876.0	910.0	937.2	951.2	943.3	909.8	865.3	851.8	855.1
35°	923.8	927.1	943.0	975.1	999.0	1010.6	997.1	957.6	907.6	892.5	894.7
37.5°	1005.4	1003.2	1021.3	1049.9	1069.6	1076.8	1058.4	1011.4	955.9	938.1	941.4
40°	1090.5	1089.4	1109.2	1136.7	1147.4	1151.8	1124.6	1073.2	1011.7	992.4	998.8
42.5°	1167.7	1166.9	1193.5	1224.0	1236.9	1232.0	1197.6	1138.9	1076.2	1054.3	1059.7
45°	1229.5	1228.4	1261.1	1303.9	1329.2	1321.0	1274.8	1211.4	1141.6	1118.8	1124.0
47.5°	1277.0	1277.6	1312.7	1365.7	1410.0	1413.0	1353.7	1285.3	1213.6	1187.7	1195.4
50°	1311.4	1313.0	1350.6	1409.4	1469.9	1496.5	1434.1	1361.1	1288.0	1258.9	1267.7
52.5°	1319.9	1322.9	1368.2	1437.2	1508.3	1559.1	1516.0	1433.9	1358.6	1330.9	1338.0
55°	1274.5	1280.6	1338.0	1435.0	1531.9	1600.3	1588.0	1507.8	1429.7	1401.2	1409.1
57.5°	1170.4	1179.0	1246.0	1372.6	1526.7	1628.6	1643.7	1578.6	1500.9	1473.4	1479.7
60°	1024.6	1034.7	1099.0	1237.2	1453.1	1639.1	1683.0	1647.6	1566.3	1539.6	1545.4
62.5°	804.6	817.7	894.7	1056.7	1297.6	1590.4	1716.5	1709.9	1625.1	1591.8	1595.7
65°	516.1	530.1	611.2	802.6	1090.2	1441.6	1727.0	1770.6	1687.1	1640.7	1646.5
67.5°	311.2	317.5	357.6	486.5	796.9	1217.1	1638.5	1837.9	1759.6	1702.0	1706.4
70°	199.1	202.7	226.6	285.7	450.5	888.1	1419.3	1850.6	1847.5	1764.9	1764.3
72.5°	135.1	136.2	142.6	169.2	254.9	504.6	1046.8	1675.3	1902.5	1845.9	1837.1
75°	98.9	104.9	115.1	119.8	144.8	252.2	599.9	1177.0	1603.4	1628.1	1568.2
77.5°	73.6	73.9	87.9	93.4	103.3	134.3	253.8	657.1	995.5	1045.2	932.3
80°	62.4	59.1	58.8	75.3	77.7	83.8	113.4	226.9	356.5	216.2	163.4
82.5°	51.9	48.3	43.7	58.8	53.0	51.4	49.2	92.3	113.4	55.8	47.5
85°	36.3	34.6	33.0	38.5	30.2	25.8	23.6	43.1	47.8	23.6	20.9
87.5°	15.7	16.2	16.5	17.0	12.6	9.1	9.1	12.1	12.1	9.3	6.9
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)