

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: P939203

Luminaire Tested: **GALN-SB1C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5370 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

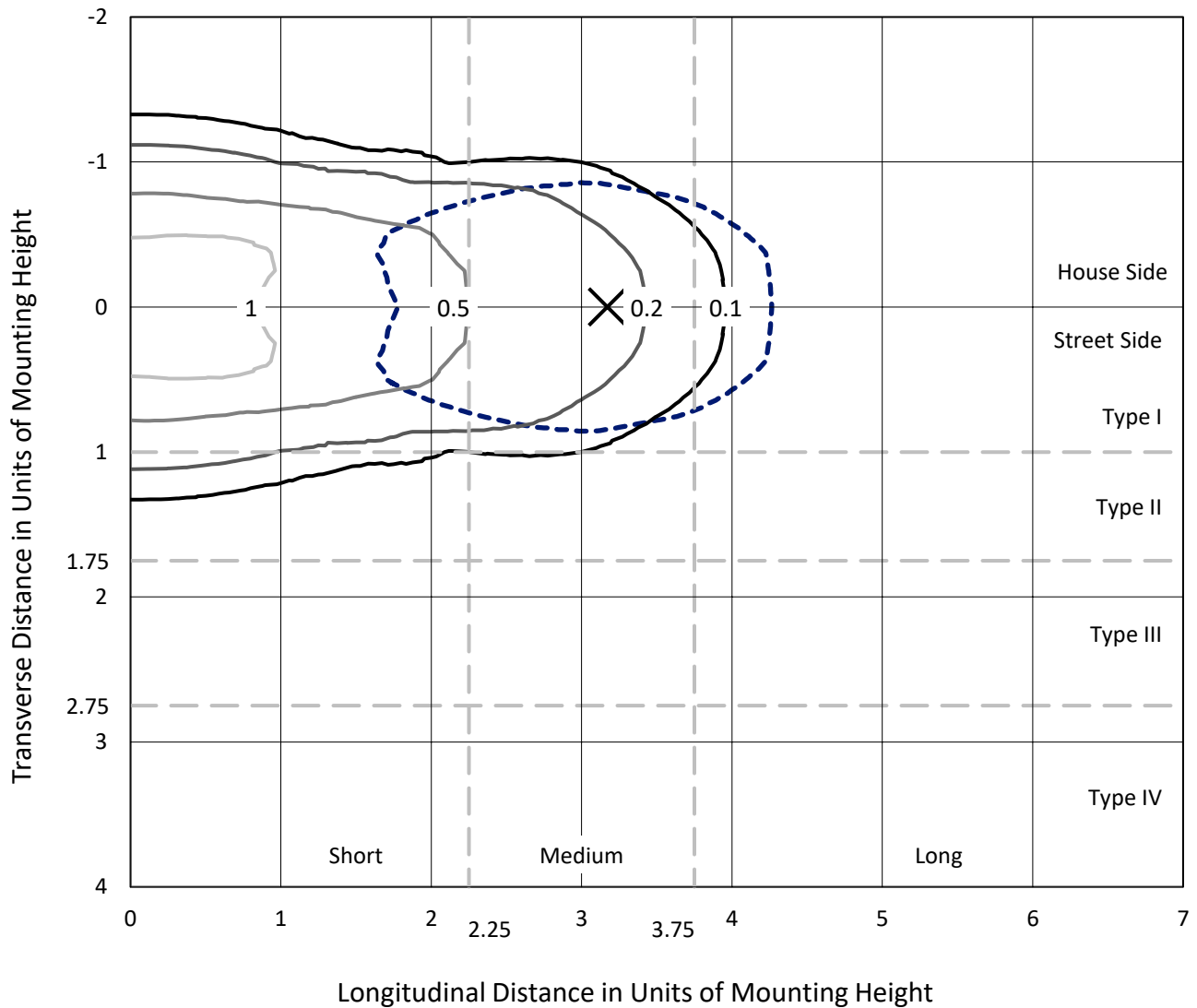
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

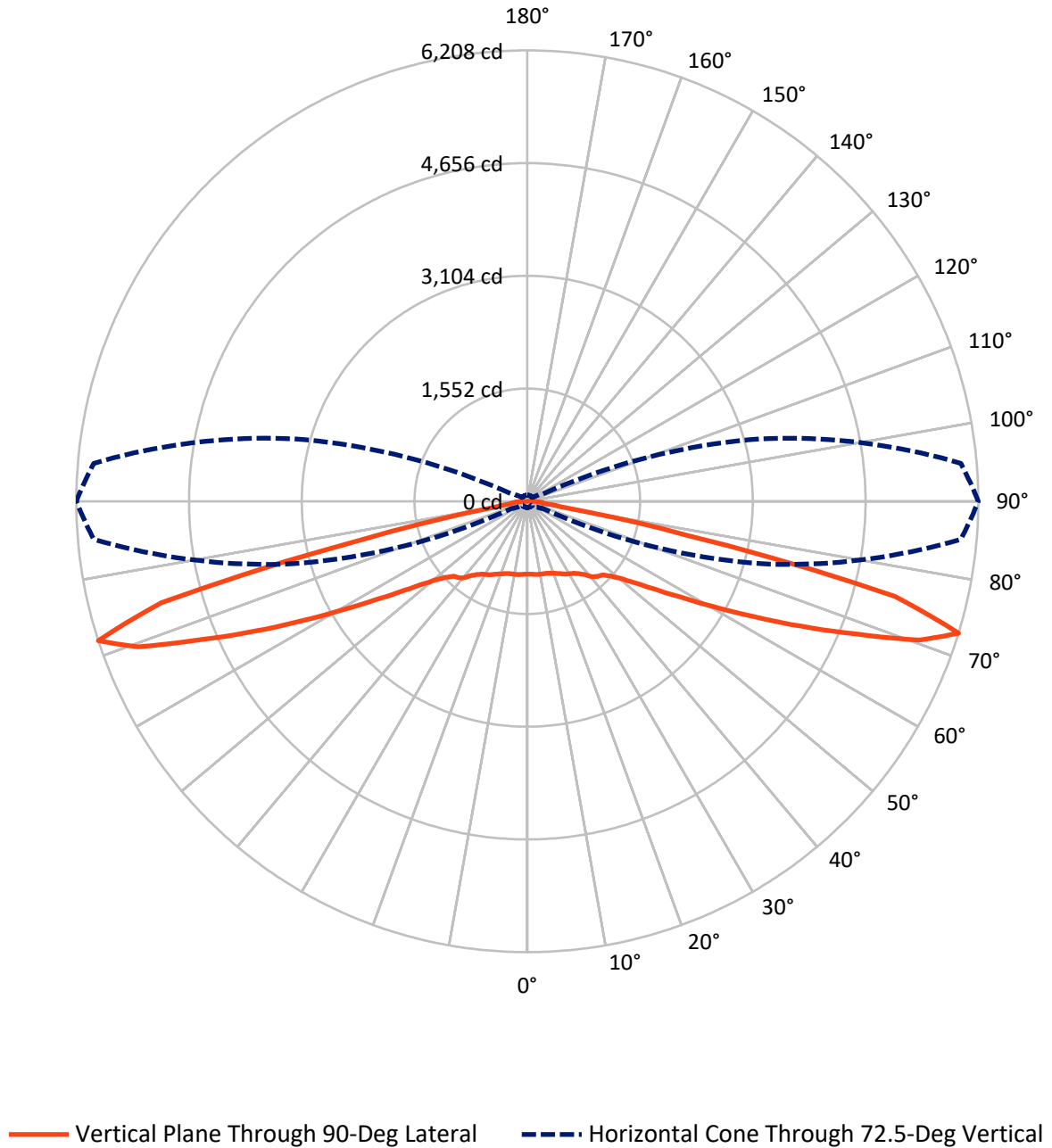
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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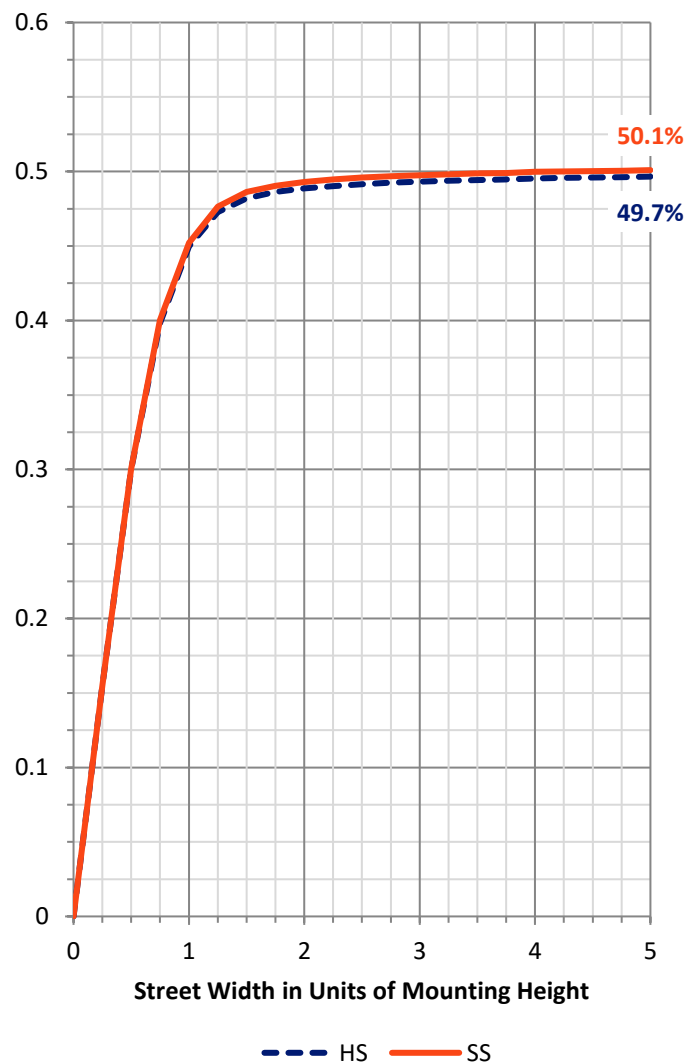
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2685.0	0.0	2685.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2685.0	0.0	2685.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5370.0	0.0	5370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.8
10°-20°	297.5	5.5
20°-30°	496.0	9.2
30°-40°	682.2	12.7
40°-50°	833.2	15.5
50°-60°	963.6	17.9
60°-70°	1149.0	21.4
70°-80°	801.9	14.9
80°-90°	49.3	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°	5370.0	100.0
0°-180°	5370.0	100.0

Coefficient of Utilization



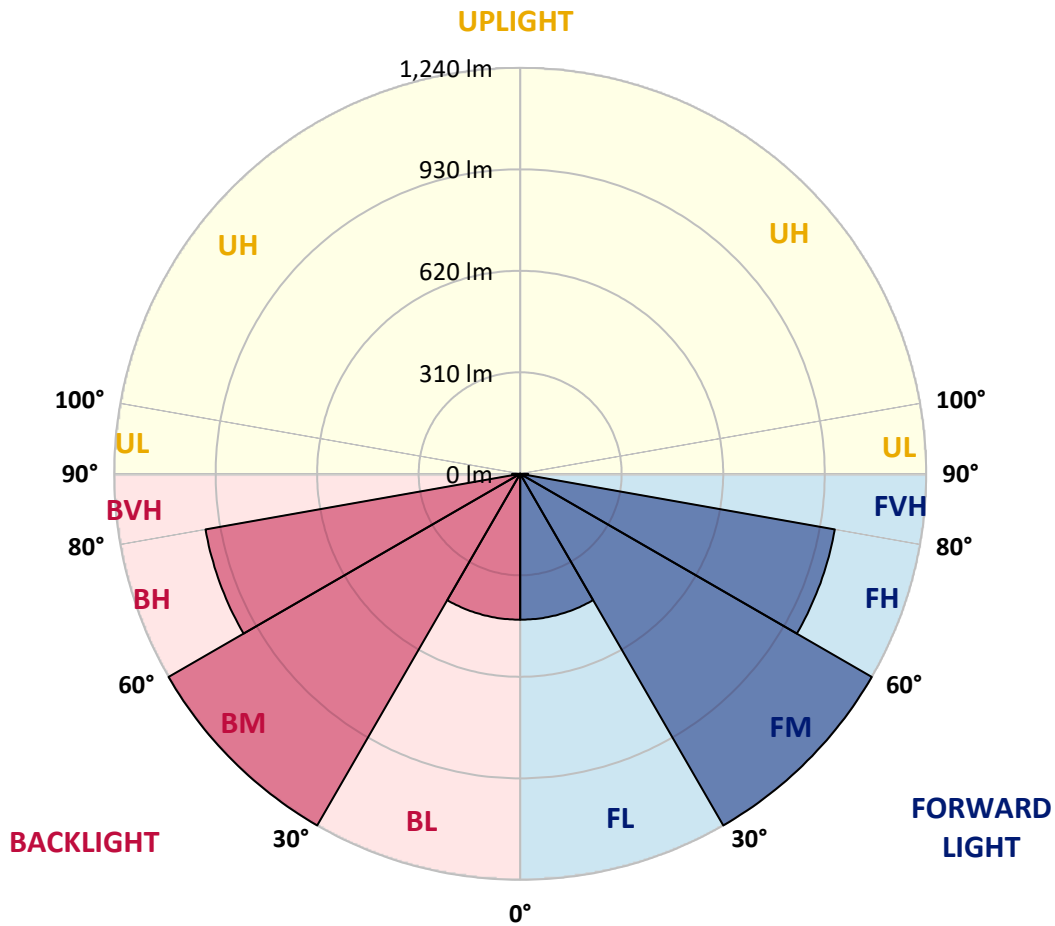
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.4	8.3			
FM (30°-60°)	1239.5	23.1			
FH (60°-80°)	975.4	18.2			G1/1800
FVH (80°-90°)	24.6	0.5			G1/100
BL (0°-30°)	445.4	8.3	B1/500		
BM (30°-60°)	1239.5	23.1	B2/2500		
BH (60°-80°)	975.4	18.2	B2/1000		G2/1000
BVH (80°-90°)	24.6	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4	1003.4
2.5°	1004.3	1005.4	1005.4	1004.6	1006.6	1004.9	1004.9	1004.0	1004.9	1004.0
5°	1009.4	1010.9	1011.4	1011.1	1013.7	1012.3	1012.3	1011.1	1011.4	1010.6
7.5°	1019.1	1021.1	1022.3	1023.7	1027.4	1025.7	1024.6	1021.1	1019.7	1017.4
10°	1022.3	1024.6	1028.3	1035.7	1044.3	1044.5	1041.1	1032.6	1026.0	1020.9
12.5°	1012.6	1015.7	1023.4	1038.5	1057.7	1065.4	1059.9	1045.7	1032.8	1023.7
15°	1000.3	1003.7	1015.4	1038.3	1066.5	1084.5	1083.9	1065.1	1044.5	1030.3
17.5°	981.2	984.6	1001.4	1033.4	1073.4	1103.0	1111.0	1091.6	1062.8	1043.7
20°	946.6	949.8	973.2	1018.0	1075.6	1122.7	1143.6	1126.4	1090.5	1064.5
22.5°	901.8	906.7	934.1	991.5	1070.2	1143.3	1180.7	1169.0	1122.7	1086.8
25°	853.9	859.0	891.0	958.9	1056.2	1158.1	1224.6	1217.2	1159.3	1114.5
27.5°	812.5	817.9	852.8	926.7	1034.5	1163.8	1268.0	1271.7	1203.5	1145.0
30°	780.0	785.1	822.2	900.7	1006.6	1158.1	1306.0	1331.6	1248.6	1171.5
32.5°	744.3	750.9	790.0	869.0	973.5	1144.4	1339.1	1396.4	1300.8	1200.1
35°	699.2	705.2	746.3	825.6	930.1	1122.4	1366.7	1468.3	1375.6	1243.5
37.5°	644.4	650.1	690.9	771.4	887.0	1091.6	1387.9	1549.4	1464.6	1306.0
40°	589.3	594.8	633.0	710.9	835.3	1052.2	1395.3	1628.7	1566.8	1391.9
42.5°	538.8	543.7	578.8	651.3	777.4	1002.0	1385.6	1697.8	1658.4	1451.8
45°	492.3	496.6	527.7	595.3	717.2	940.9	1356.5	1772.0	1767.4	1494.6
47.5°	439.2	443.5	475.7	541.1	657.0	869.3	1307.1	1845.1	1919.0	1591.6
50°	374.4	378.1	411.3	478.6	594.5	793.1	1238.6	1902.4	2110.2	1738.6
52.5°	297.7	301.7	333.9	401.3	520.3	711.2	1148.4	1939.8	2331.1	1953.2
55°	221.5	224.3	252.3	312.8	428.4	617.9	1035.4	1950.4	2581.7	2246.6
57.5°	160.7	162.4	180.4	225.5	324.8	501.1	898.1	1923.0	2879.9	2622.8
60°	130.1	130.7	136.1	156.1	225.7	369.3	732.3	1828.8	3203.5	3107.6
62.5°	118.2	118.2	119.6	125.0	152.7	243.7	531.7	1633.6	3550.6	3720.4
65°	109.9	109.9	110.4	113.0	120.4	155.3	335.6	1315.7	3843.1	4438.1
67.5°	102.5	102.7	102.5	103.3	107.6	114.7	194.6	908.7	4000.6	5181.9
70°	94.8	95.3	93.9	93.9	97.3	97.6	121.9	498.3	3869.9	5805.2
72.5°	85.6	86.5	84.2	83.6	86.2	85.0	91.6	239.2	3322.5	5991.3
75°	77.6	78.8	73.6	72.2	72.2	71.3	74.5	122.7	2156.4	4887.4
77.5°	70.5	72.8	64.5	59.9	58.8	56.2	60.8	75.1	943.2	2294.6
80°	58.2	61.4	53.1	47.7	45.7	42.8	47.9	52.5	280.5	532.8
82.5°	43.4	44.8	37.7	34.0	32.2	30.3	36.0	36.5	91.3	188.6
85°	27.7	28.3	23.1	20.0	19.1	18.3	22.8	20.0	34.8	138.7
87.5°	9.7	11.1	8.8	8.0	8.6	7.1	10.6	6.0	9.7	97.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1003.4
1004.0
1010.6
1017.4
1020.0
1022.3
1028.0
1040.5
1059.7
1080.2
1105.3
1135.3
1157.6
1182.4
1223.8
1279.7
1363.9
1415.8
1446.1
1535.7
1668.4
1866.8
2138.4
2486.6
2936.1
3490.6
4147.6
4868.2
5722.7
6208.2
5227.5
2246.9
510.3
213.2
201.5
121.3
0.0

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