

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: P945859

Luminaire Tested: **GALN-SB1C-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945859  
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-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5685 lumens  
Efficiency: N/A  
Efficacy: 104.5 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

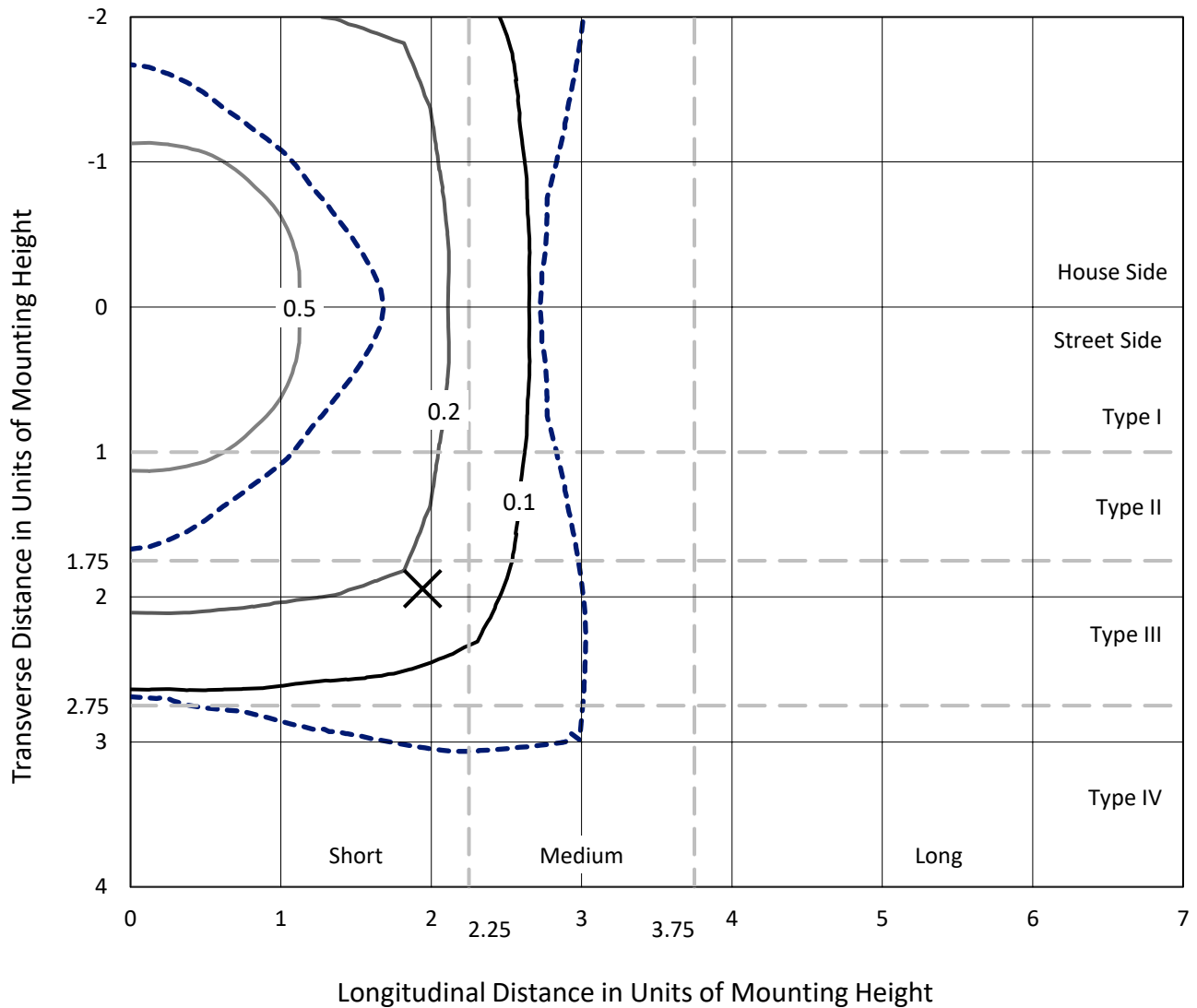
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P945859  
 CATALOG NUMBER: GALN-SB1C-940-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

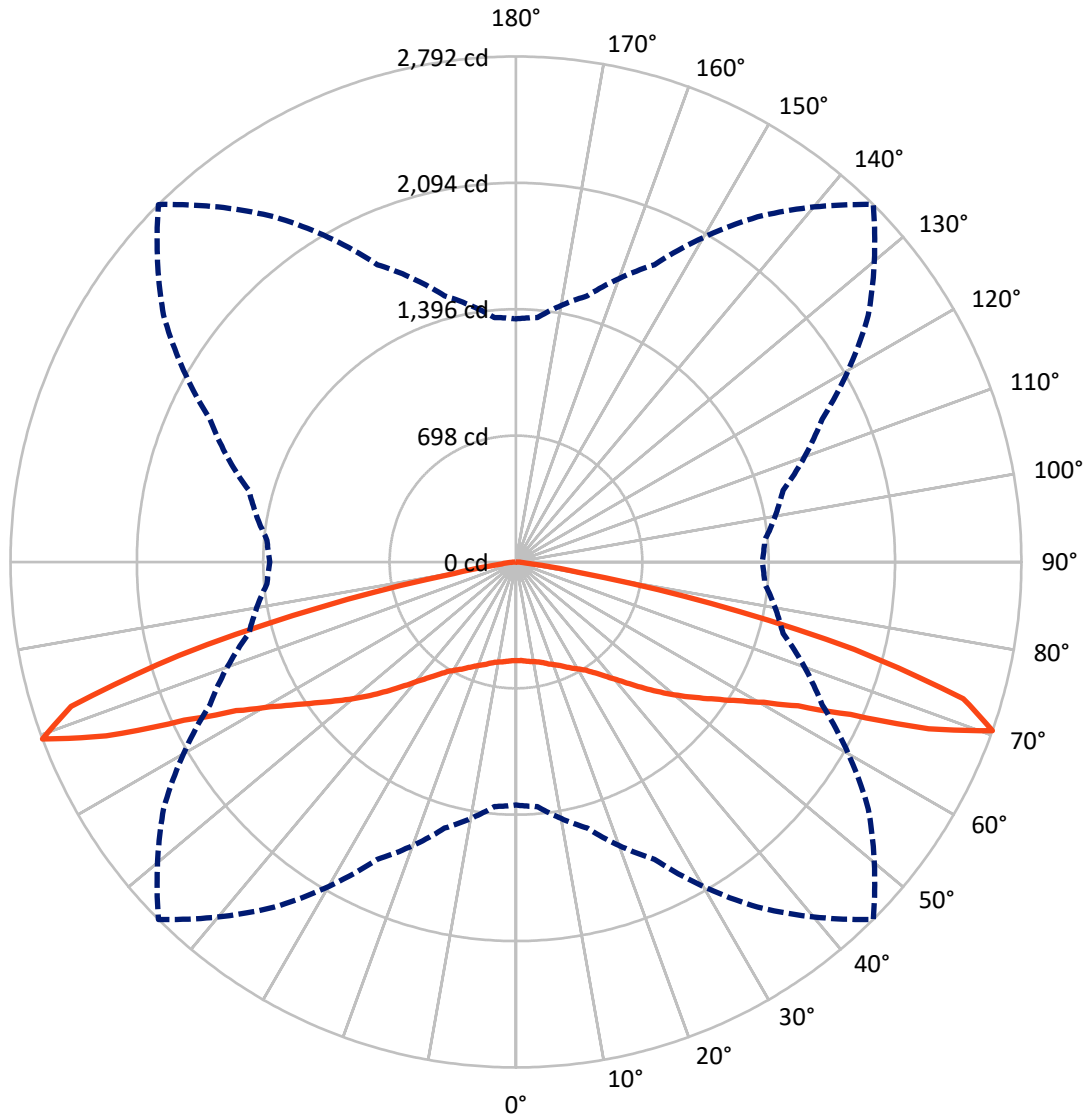
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P945859  
CATALOG NUMBER: GALN-SB1C-940-U-5MQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P945859  
 CATALOG NUMBER: GALN-SB1C-940-U-5MQ

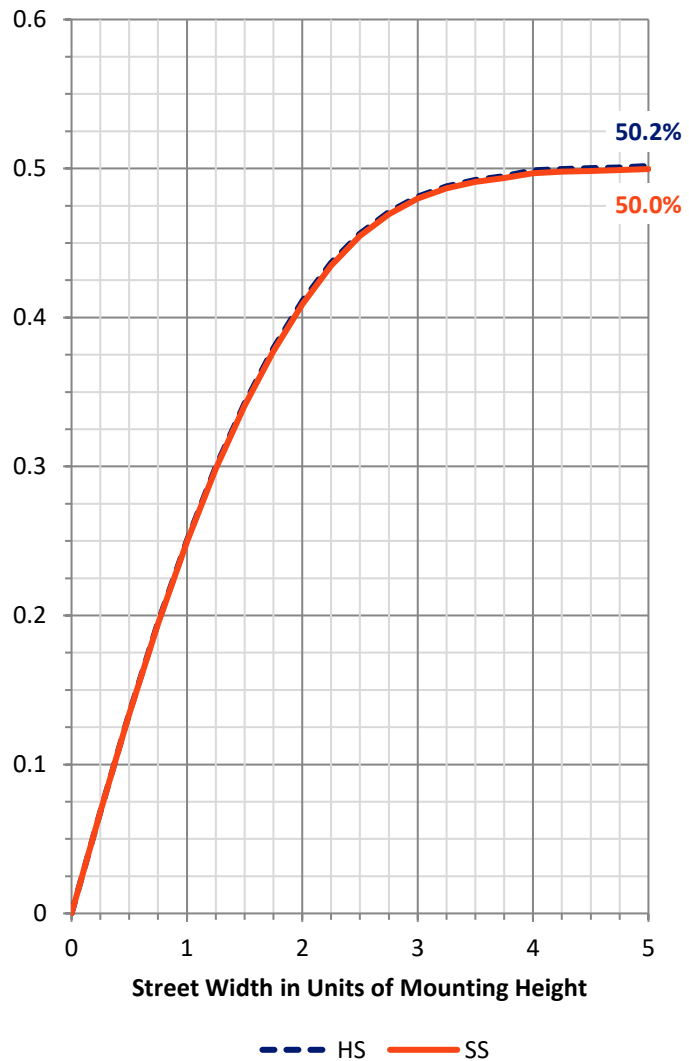
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2842.5	0.0	2842.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2842.5	0.0	2842.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5685.0	0.0	5685.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	0.9
10°-20°	164.1	2.9
20°-30°	293.2	5.2
30°-40°	475.2	8.4
40°-50°	774.1	13.6
50°-60°	1180.2	20.8
60°-70°	1755.8	30.9
70°-80°	957.0	16.8
80°-90°	32.6	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°	5685.0	100.0
0°-180°	5685.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P945859

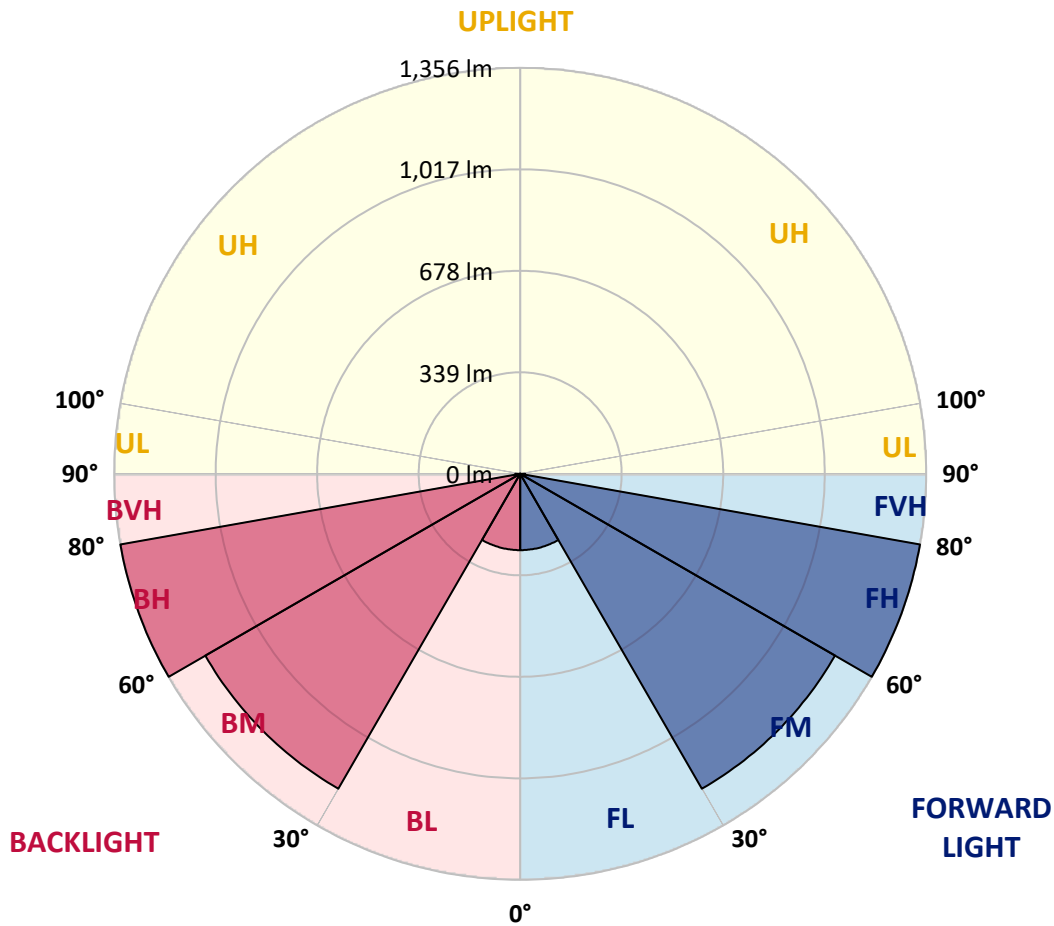
CATALOG NUMBER: GALN-SB1C-940-U-5MQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.1	4.5			
FM (30°-60°)	1214.8	21.4			
FH (60°-80°)	1356.4	23.9			G1/1800
FVH (80°-90°)	16.3	0.3			G1/100
BL (0°-30°)	255.1	4.5	B1/500		
BM (30°-60°)	1214.8	21.4	B2/2500		
BH (60°-80°)	1356.4	23.9	B3/2500		G1/1800
BVH (80°-90°)	16.3	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



REPORT NUMBER: P945859

CATALOG NUMBER: GALN-SB1C-940-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6	544.6
2.5°	547.1	547.7	546.6	546.0	545.4	544.6	544.8	546.3	547.4	547.1
5°	551.7	552.3	551.4	551.1	550.0	549.7	549.7	551.1	552.0	551.4
7.5°	556.8	557.7	556.3	556.0	555.4	554.8	554.6	556.0	556.8	556.8
10°	561.7	562.5	561.4	560.5	560.0	560.0	559.4	560.5	562.0	561.7
12.5°	566.8	567.4	566.3	565.7	565.7	566.5	565.7	566.3	567.4	566.8
15°	573.1	573.4	573.1	574.0	575.4	578.2	575.7	575.1	575.7	574.2
17.5°	581.7	582.2	583.4	585.4	587.4	592.5	587.9	586.5	586.5	583.7
20°	592.2	593.1	594.8	598.2	600.8	605.6	601.1	599.1	598.2	594.5
22.5°	603.4	604.8	607.4	611.9	616.5	621.1	616.5	613.1	610.5	605.6
25°	616.2	617.9	621.9	629.3	635.6	642.2	636.8	629.9	624.8	617.9
27.5°	634.5	636.5	641.3	650.5	658.4	664.2	659.0	650.2	643.0	634.8
30°	660.2	662.2	667.9	677.6	683.0	686.7	683.3	676.4	667.9	658.4
32.5°	693.3	695.8	702.1	711.2	712.4	713.0	711.8	708.4	702.1	690.7
35°	735.2	738.1	745.2	752.6	751.5	752.6	750.9	749.8	745.2	732.1
37.5°	786.6	790.0	797.4	803.1	800.3	798.9	799.2	799.4	796.9	782.3
40°	846.2	850.8	856.2	862.2	857.4	853.1	855.9	858.2	855.9	841.1
42.5°	907.6	914.2	919.9	928.4	924.4	919.0	923.0	925.6	920.7	904.8
45°	975.8	982.1	989.5	1002.4	999.5	993.8	999.5	1000.1	991.8	973.0
47.5°	1046.3	1052.9	1064.0	1081.1	1080.0	1073.7	1081.1	1077.1	1066.6	1044.0
50°	1113.1	1122.2	1139.4	1163.3	1165.6	1157.9	1167.9	1160.2	1142.5	1114.2
52.5°	1175.9	1185.6	1212.7	1245.2	1253.5	1243.5	1256.9	1243.5	1217.0	1180.7
55°	1241.8	1252.7	1284.9	1327.4	1344.0	1336.6	1349.1	1328.9	1291.2	1247.2
57.5°	1319.5	1326.0	1364.5	1415.1	1443.0	1444.8	1450.5	1416.2	1370.5	1320.6
60°	1403.7	1412.8	1454.7	1515.2	1559.5	1573.8	1567.8	1517.0	1463.9	1406.5
62.5°	1511.5	1521.5	1571.8	1644.3	1714.2	1749.6	1726.2	1652.5	1586.9	1518.1
65°	1600.9	1612.0	1702.8	1832.1	1959.3	2030.4	1971.6	1836.0	1717.9	1620.8
67.5°	1536.1	1549.8	1692.2	1929.7	2246.2	2458.2	2257.0	1958.8	1727.3	1595.7
70°	1342.6	1355.4	1521.5	1811.8	2327.0	2791.6	2375.5	1865.2	1526.9	1379.7
72.5°	891.3	932.7	1100.8	1449.0	2077.8	2583.3	2098.3	1419.6	1021.2	889.3
75°	295.7	328.8	443.5	751.2	1391.7	1931.9	1324.9	664.7	351.3	252.9
77.5°	74.5	85.9	118.4	214.9	555.1	1100.0	499.8	175.5	95.6	66.8
80°	36.2	40.0	57.1	71.6	139.0	349.6	130.4	67.4	45.1	34.8
82.5°	20.0	20.3	32.3	40.5	51.7	90.5	53.7	39.4	26.0	21.1
85°	12.3	12.0	17.1	21.7	21.7	32.3	25.7	21.7	14.8	13.1
87.5°	4.9	4.9	6.3	6.8	6.0	8.3	6.6	7.1	5.7	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
544.6
547.4
551.7
556.8
561.7
566.5
574.2
583.7
594.5
605.4
617.6
634.5
658.4
691.0
732.1
782.3
841.1
905.9
975.0
1042.6
1113.7
1177.3
1241.3
1313.7
1397.4
1506.1
1604.9
1576.0
1360.0
860.5
239.2
59.7
32.0
21.1
13.7
5.7
0.0

OF REPORT)