

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: P939600

Luminaire Tested: **GALN-SB2B-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12051 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

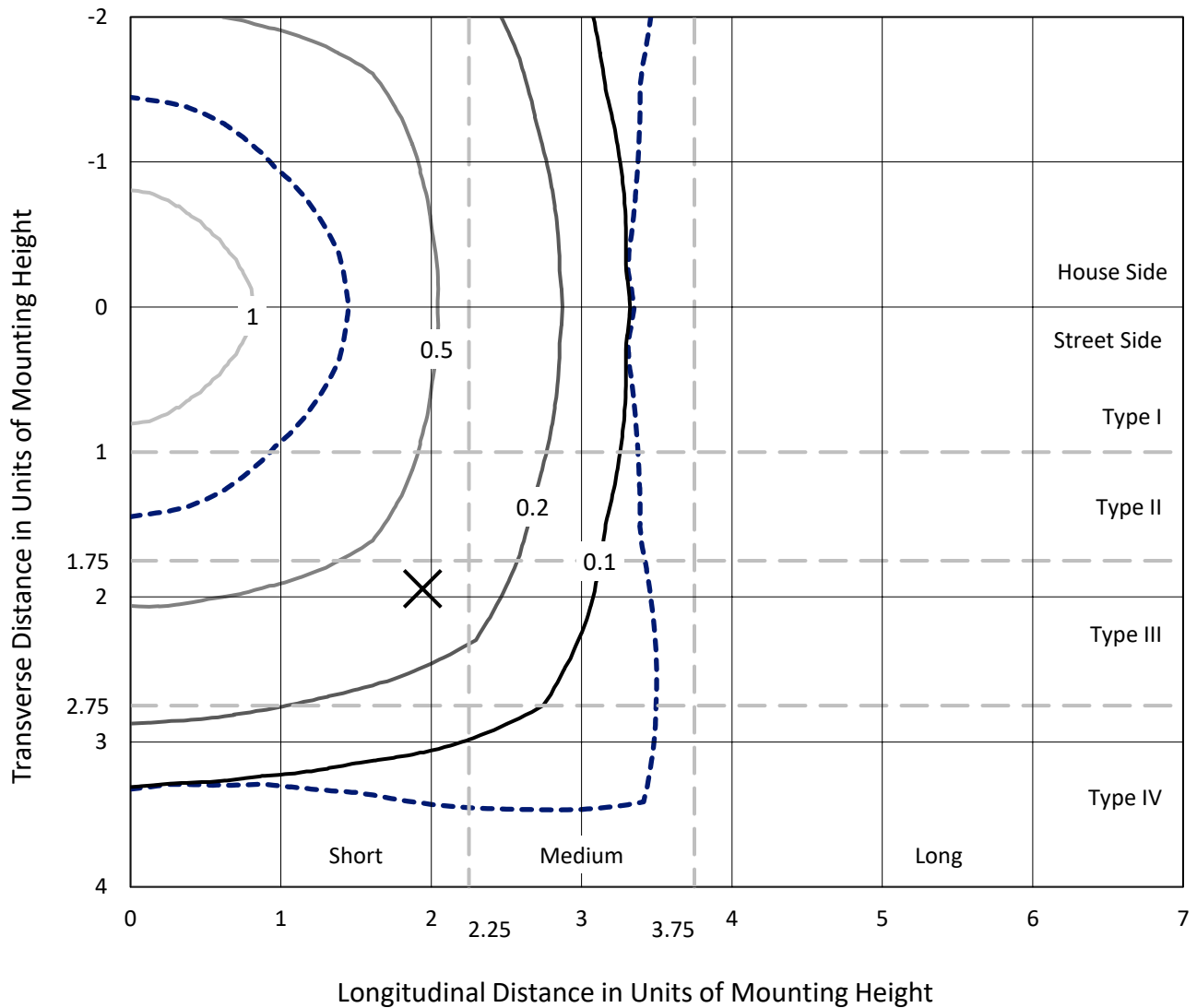
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939600
 CATALOG NUMBER: GALN-SB2B-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

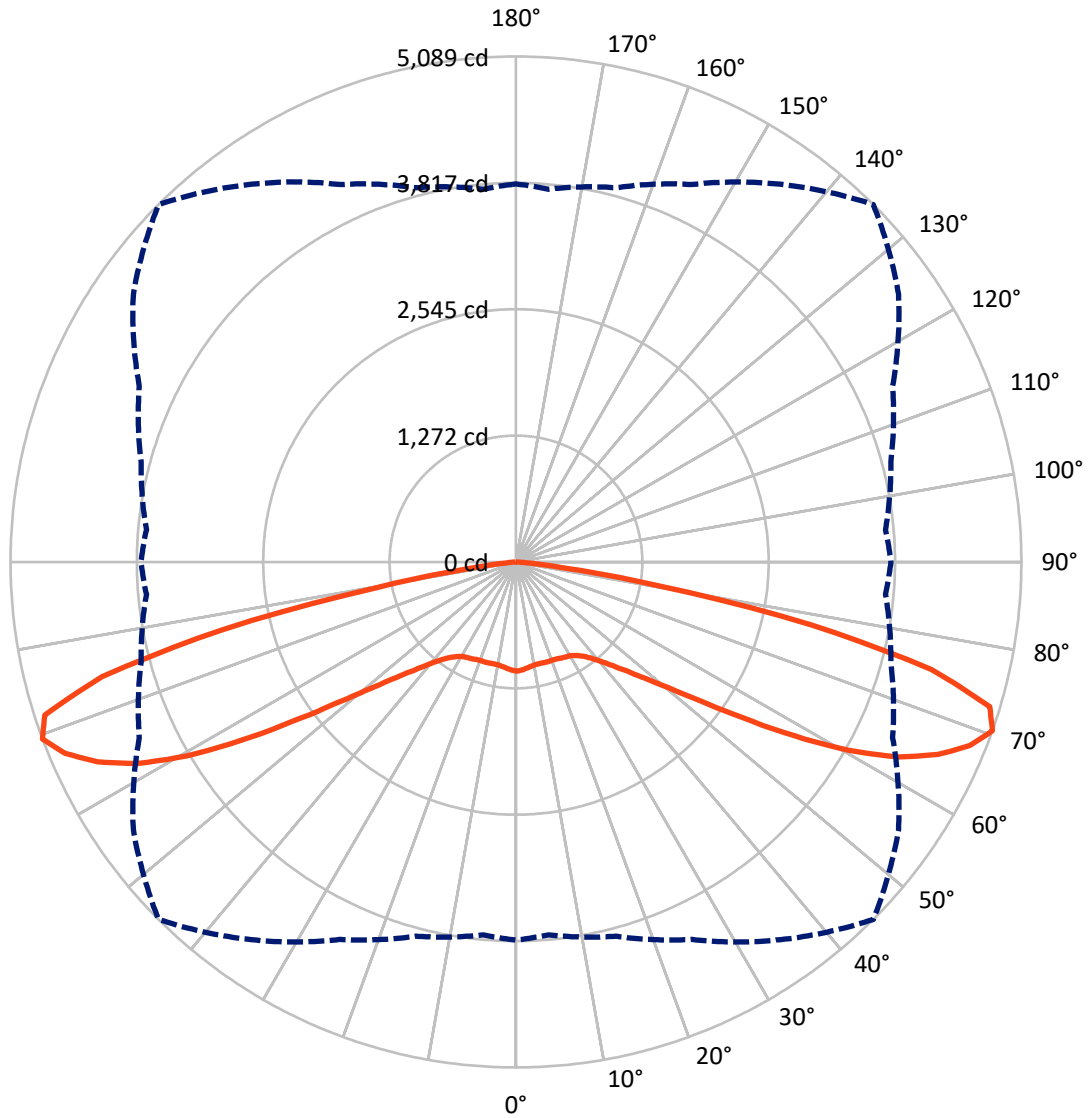
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P939600
CATALOG NUMBER: GALN-SB2B-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P939600
 CATALOG NUMBER: GALN-SB2B-740-U-5WQ

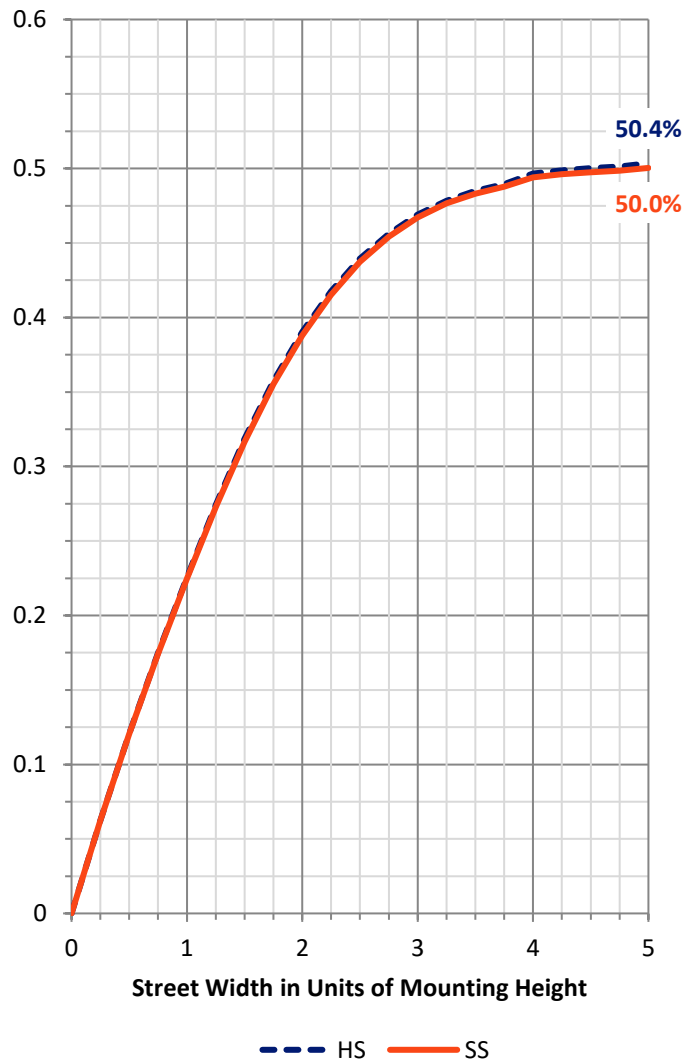
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6025.5	0.0	6025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6025.5	0.0	6025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12051.0	0.0	12051.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	0.8
10°-20°	300.3	2.5
20°-30°	499.7	4.1
30°-40°	755.7	6.3
40°-50°	1255.7	10.4
50°-60°	2369.5	19.7
60°-70°	4001.0	33.2
70°-80°	2629.1	21.8
80°-90°	137.7	1.1
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°	12051.0	100.0
0°-180°	12051.0	100.0



REPORT NUMBER: P939600

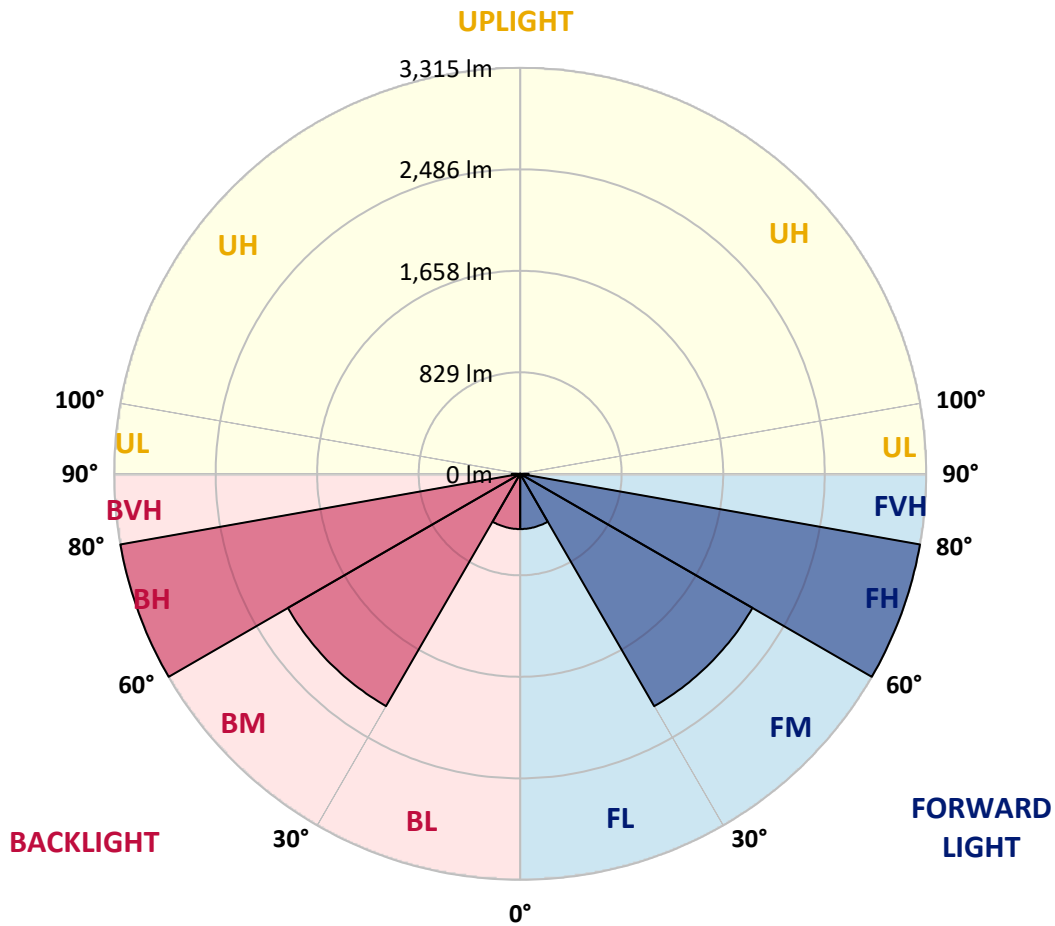
CATALOG NUMBER: GALN-SB2B-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.1	3.7			
FM (30°-60°)	2190.5	18.2			
FH (60°-80°)	3315.1	27.5			G2/5000
FVH (80°-90°)	68.9	0.6			G1/100
BL (0°-30°)	451.1	3.7	B1/500		
BM (30°-60°)	2190.5	18.2	B2/2500		
BH (60°-80°)	3315.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	68.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P939600

CATALOG NUMBER: GALN-SB2B-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1099.3	1099.3	1099.3	1099.3	1099.3	1099.3	1099.3	1099.3	1099.3	1099.3
2.5°	1092.4	1095.5	1094.3	1091.8	1091.8	1089.9	1091.8	1093.0	1094.9	1096.2
5°	1078.0	1080.5	1079.9	1078.0	1078.6	1076.7	1078.0	1079.9	1081.1	1081.8
7.5°	1065.5	1068.0	1066.7	1063.6	1063.6	1061.7	1062.3	1064.2	1066.1	1066.7
10°	1062.3	1064.8	1061.1	1056.1	1054.2	1051.7	1052.3	1054.2	1058.0	1059.8
12.5°	1063.6	1065.5	1061.7	1054.2	1052.3	1049.8	1049.8	1051.7	1056.7	1059.2
15°	1067.3	1069.2	1063.6	1055.4	1053.6	1051.7	1051.1	1053.6	1059.2	1063.6
17.5°	1074.2	1076.1	1067.3	1056.1	1053.6	1054.2	1053.6	1055.4	1064.2	1072.4
20°	1080.5	1081.8	1069.9	1056.1	1053.6	1054.2	1053.6	1057.3	1068.6	1079.9
22.5°	1082.4	1083.6	1072.4	1060.5	1058.6	1059.2	1058.6	1062.3	1073.0	1084.3
25°	1083.0	1084.9	1076.1	1066.7	1069.9	1071.1	1069.9	1070.5	1078.6	1088.6
27.5°	1092.4	1094.9	1086.8	1078.6	1080.5	1079.9	1081.8	1083.6	1089.9	1099.9
30°	1111.8	1113.7	1106.8	1098.7	1097.4	1093.0	1098.7	1104.9	1111.8	1120.6
32.5°	1143.8	1147.5	1138.8	1130.0	1124.3	1121.8	1126.2	1136.9	1146.3	1155.7
35°	1197.0	1199.5	1191.4	1175.1	1165.1	1165.1	1168.8	1182.6	1197.6	1209.5
37.5°	1272.2	1275.3	1260.9	1241.5	1226.4	1226.4	1231.5	1245.9	1268.4	1285.3
40°	1363.6	1368.0	1349.8	1329.8	1315.4	1312.9	1319.2	1335.4	1356.7	1378.0
42.5°	1473.9	1478.9	1455.1	1437.5	1426.3	1426.3	1429.4	1444.4	1463.8	1490.2
45°	1614.8	1623.6	1591.0	1573.5	1562.8	1565.3	1567.2	1580.4	1597.9	1628.0
47.5°	1782.7	1791.4	1757.0	1738.8	1736.9	1748.8	1741.3	1750.7	1760.1	1794.6
50°	1973.1	1988.1	1964.3	1963.1	1966.8	1988.8	1971.2	1976.2	1965.6	1987.5
52.5°	2206.1	2228.0	2223.6	2231.2	2273.1	2318.2	2278.1	2260.6	2220.5	2227.4
55°	2488.6	2521.8	2528.1	2573.2	2668.4	2760.4	2675.3	2604.5	2519.3	2503.6
57.5°	2809.9	2836.2	2866.3	2958.4	3136.3	3299.8	3136.3	2979.7	2845.6	2813.7
60°	3155.7	3188.3	3217.1	3353.0	3617.3	3847.2	3612.3	3363.7	3186.4	3143.2
62.5°	3527.1	3569.1	3589.1	3740.1	4048.3	4322.6	4052.7	3751.4	3554.7	3508.3
65°	3883.5	3918.0	3940.5	4101.5	4395.9	4670.9	4416.0	4119.1	3916.7	3856.0
67.5°	4049.5	4068.3	4123.4	4305.7	4616.4	4930.2	4669.0	4325.1	4099.0	3992.5
70°	3806.5	3768.3	3901.1	4193.0	4642.7	5089.3	4702.8	4184.2	3907.3	3734.5
72.5°	2941.5	2875.7	3106.2	3605.4	4342.1	4987.9	4372.1	3633.6	3249.7	2898.9
75°	1600.4	1525.9	1844.1	2475.4	3462.6	4323.3	3542.2	2546.2	2053.3	1588.5
77.5°	451.6	423.4	680.2	1197.6	2082.7	3035.4	2162.9	1223.9	806.8	478.6
80°	138.4	134.0	181.6	360.8	884.4	1453.8	850.0	365.2	231.1	145.9
82.5°	82.1	75.2	90.2	131.5	225.5	456.6	219.2	137.2	110.2	73.9
85°	47.0	43.8	53.2	63.9	75.8	97.1	63.3	65.1	58.9	39.5
87.5°	19.4	17.5	20.7	20.0	17.5	22.5	16.9	20.0	23.8	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1099.3
1095.5
1081.8
1066.7
1059.8
1059.8
1064.2
1072.4
1080.5
1084.3
1088.0
1097.4
1118.7
1151.9
1205.2
1279.1
1371.1
1488.3
1626.7
1784.6
1974.3
2204.2
2479.2
2791.1
3105.6
3470.8
3825.9
3993.8
3775.8
2985.9
1691.8
531.8
154.1
80.2
41.3
14.4
0.0

OF REPORT)