

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: P946930

Luminaire Tested: **GALN-SB2B-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946930
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-SB2B-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8546 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

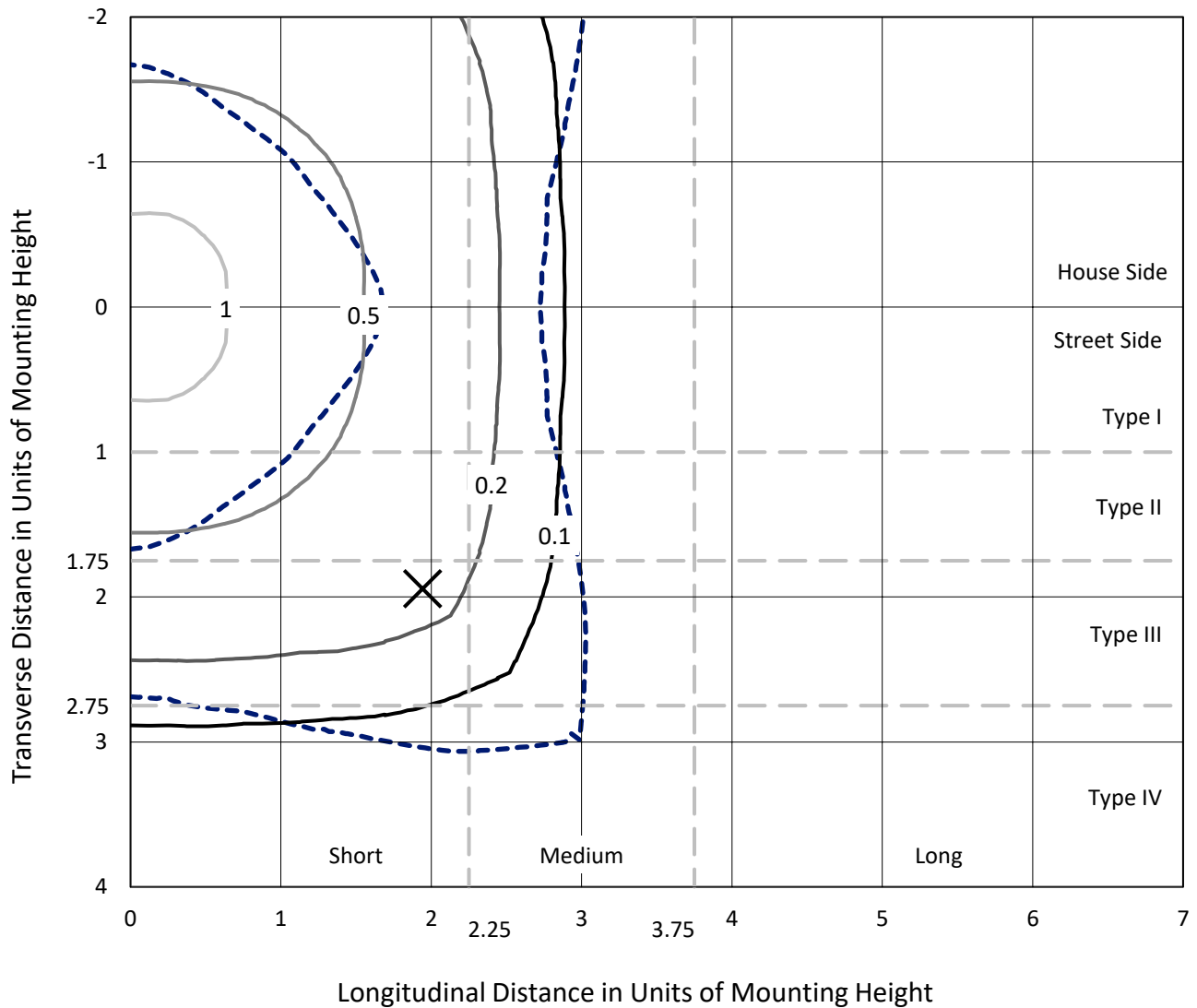
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946930
 CATALOG NUMBER: GALN-SB2B-940-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

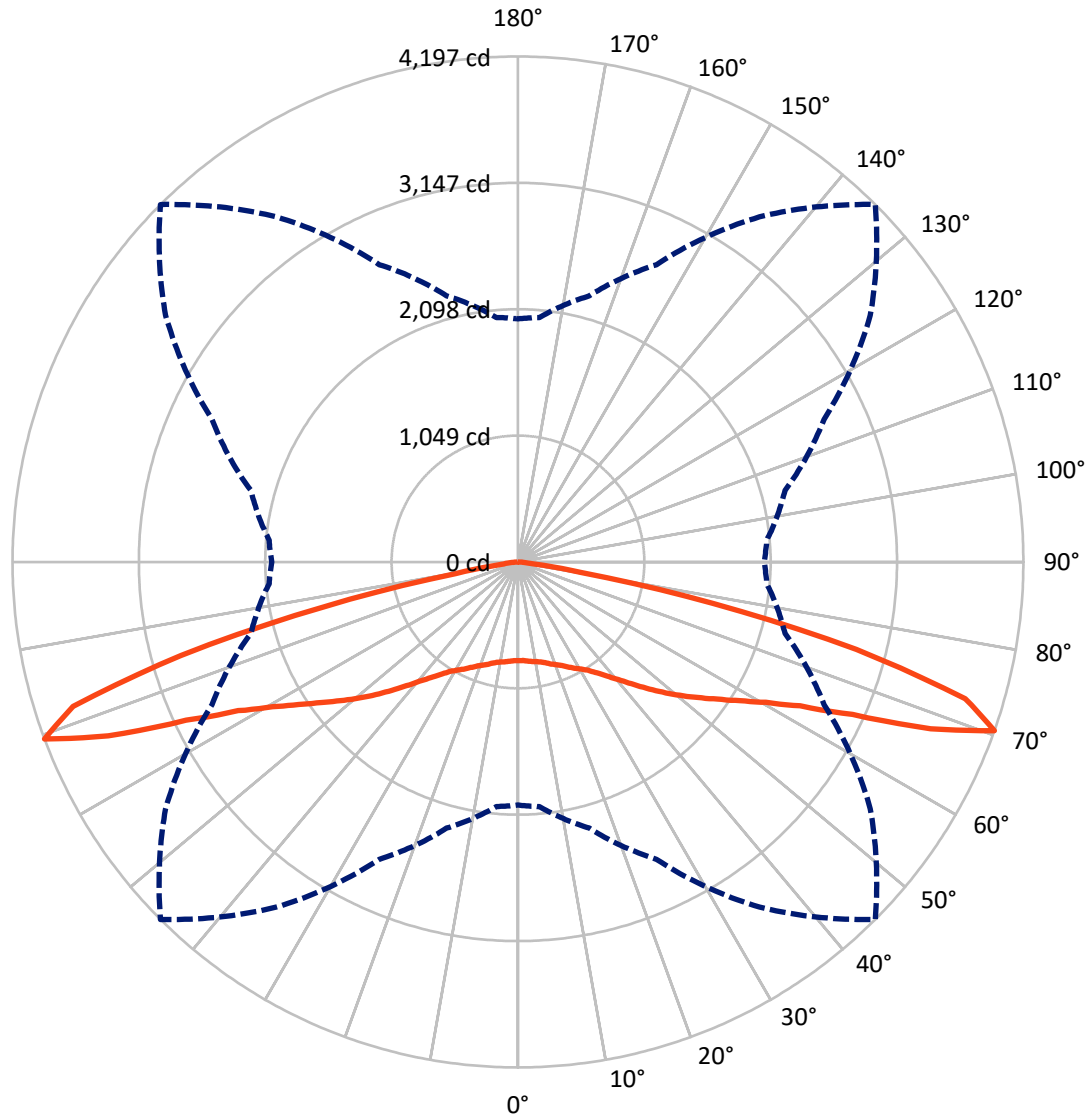
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P946930
CATALOG NUMBER: GALN-SB2B-940-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P946930
 CATALOG NUMBER: GALN-SB2B-940-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4273.0	0.0	4273.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4273.0	0.0	4273.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8546.0	0.0	8546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	0.9
10°-20°	246.6	2.9
20°-30°	440.7	5.2
30°-40°	714.4	8.4
40°-50°	1163.6	13.6
50°-60°	1774.2	20.8
60°-70°	2639.4	30.9
70°-80°	1438.5	16.8
80°-90°	49.0	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°	8546.0	100.0
0°-180°	8546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946930

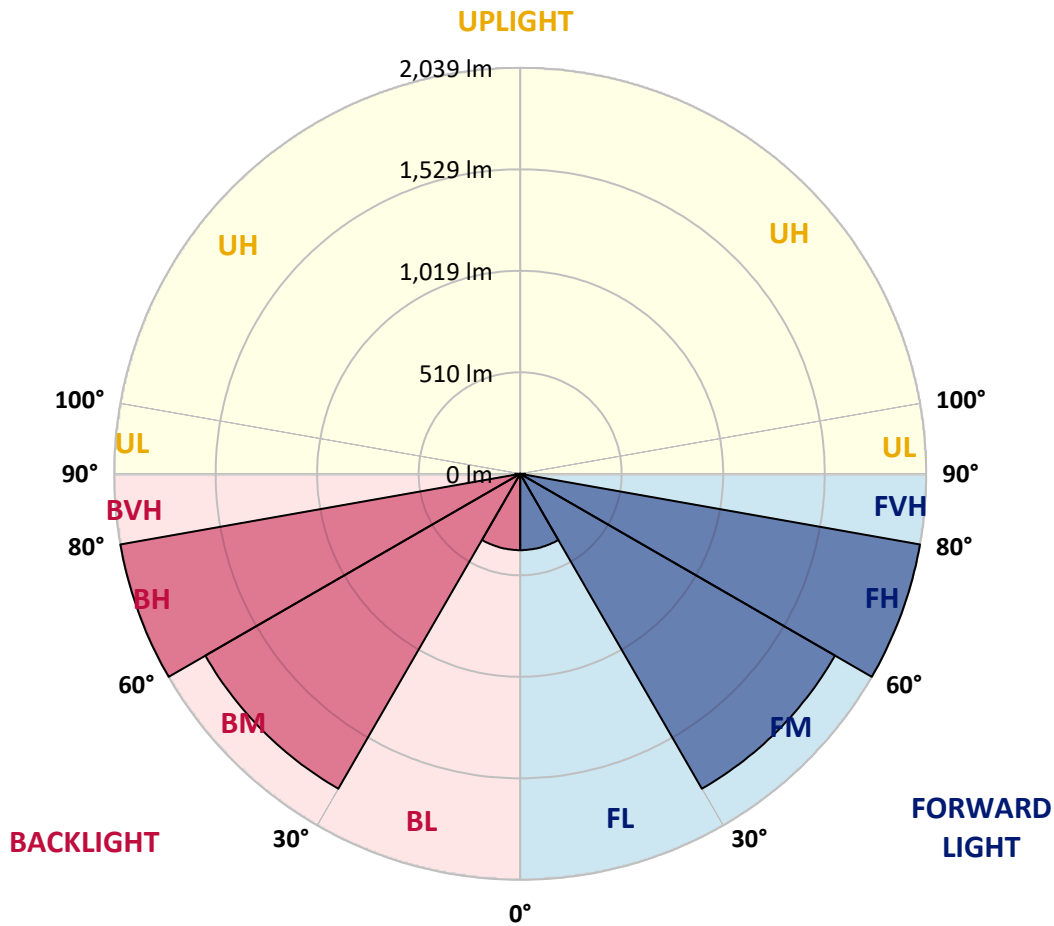
CATALOG NUMBER: GALN-SB2B-940-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.4	4.5			
FM (30°-60°)	1826.1	21.4			
FH (60°-80°)	2039.0	23.9			G2/5000
FVH (80°-90°)	24.5	0.3			G1/100
BL (0°-30°)	383.4	4.5	B1/500		
BM (30°-60°)	1826.1	21.4	B2/2500		
BH (60°-80°)	2039.0	23.9	B3/2500		G2/5000
BVH (80°-90°)	24.5	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-G2

Type V Short



REPORT NUMBER: P946930

CATALOG NUMBER: GALN-SB2B-940-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6	818.6
2.5°	822.5	823.3	821.6	820.8	819.9	818.6	819.0	821.2	822.9	822.5
5°	829.3	830.2	828.9	828.5	826.8	826.3	826.3	828.5	829.8	828.9
7.5°	837.1	838.4	836.2	835.8	834.9	834.1	833.6	835.8	837.1	837.1
10°	844.4	845.6	843.9	842.6	841.8	841.8	840.9	842.6	844.8	844.4
12.5°	852.1	852.9	851.2	850.4	850.4	851.7	850.4	851.2	852.9	852.1
15°	861.5	862.0	861.5	862.8	865.0	869.2	865.4	864.5	865.4	863.2
17.5°	874.4	875.3	877.0	880.0	883.0	890.7	883.8	881.7	881.7	877.4
20°	890.3	891.6	894.1	899.3	903.1	910.4	903.6	900.6	899.3	893.7
22.5°	907.0	909.1	913.0	919.9	926.7	933.6	926.7	921.6	917.7	910.4
25°	926.3	928.9	934.9	946.0	955.5	965.4	957.2	946.9	939.2	928.9
27.5°	953.8	956.8	964.1	977.8	989.8	998.4	990.7	977.4	966.6	954.2
30°	992.4	995.4	1004.0	1018.6	1026.7	1032.3	1027.1	1016.8	1004.0	989.8
32.5°	1042.2	1046.0	1055.5	1069.2	1070.9	1071.8	1070.0	1064.9	1055.5	1038.3
35°	1105.2	1109.5	1120.2	1131.4	1129.7	1131.4	1128.8	1127.1	1120.2	1100.5
37.5°	1182.4	1187.6	1198.8	1207.3	1203.0	1200.9	1201.3	1201.8	1197.9	1176.0
40°	1272.1	1279.0	1287.1	1296.1	1288.9	1282.4	1286.7	1290.1	1286.7	1264.4
42.5°	1364.4	1374.2	1382.8	1395.7	1389.7	1381.5	1387.5	1391.4	1384.1	1360.1
45°	1466.9	1476.3	1487.5	1506.8	1502.5	1493.9	1502.5	1503.4	1490.9	1462.6
47.5°	1572.9	1582.7	1599.5	1625.2	1623.5	1614.1	1625.2	1619.2	1603.3	1569.4
50°	1673.3	1687.0	1712.7	1748.8	1752.2	1740.6	1755.7	1744.1	1717.5	1675.0
52.5°	1767.7	1782.3	1823.0	1871.9	1884.4	1869.4	1889.5	1869.4	1829.4	1775.0
55°	1866.8	1883.1	1931.6	1995.5	2020.4	2009.2	2028.1	1997.6	1941.0	1874.9
57.5°	1983.5	1993.3	2051.3	2127.2	2169.3	2171.8	2180.4	2128.9	2060.3	1985.2
60°	2110.0	2123.8	2186.8	2277.8	2344.3	2365.8	2356.7	2280.4	2200.6	2114.3
62.5°	2272.2	2287.2	2362.8	2471.7	2576.8	2630.0	2594.9	2484.2	2385.5	2282.1
65°	2406.5	2423.2	2559.7	2754.0	2945.4	3052.2	2963.8	2760.0	2582.4	2436.5
67.5°	2309.1	2329.7	2543.8	2900.8	3376.6	3695.4	3392.9	2944.5	2596.6	2398.8
70°	2018.2	2037.5	2287.2	2723.6	3498.0	4196.5	3570.9	2803.8	2295.4	2074.0
72.5°	1339.9	1402.1	1654.8	2178.3	3123.4	3883.3	3154.3	2134.1	1535.1	1336.9
75°	444.5	494.3	666.7	1129.2	2092.0	2904.2	1991.6	999.2	528.2	380.1
77.5°	112.0	129.1	178.1	323.1	834.5	1653.5	751.3	263.9	143.7	100.4
80°	54.5	60.1	85.8	107.7	208.9	525.6	196.1	101.3	67.8	52.3
82.5°	30.0	30.5	48.5	60.9	77.7	136.0	80.7	59.2	39.0	31.7
85°	18.4	18.0	25.7	32.6	32.6	48.5	38.6	32.6	22.3	19.7
87.5°	7.3	7.3	9.4	10.3	9.0	12.4	9.9	10.7	8.6	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
818.6
822.9
829.3
837.1
844.4
851.7
863.2
877.4
893.7
910.0
928.5
953.8
989.8
1038.7
1100.5
1176.0
1264.4
1361.8
1465.6
1567.3
1674.1
1769.8
1865.9
1974.9
2100.6
2264.1
2412.5
2369.2
2044.4
1293.6
359.5
89.7
48.1
31.7
20.6
8.6
0.0

OF REPORT)