

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: P940390

Luminaire Tested: **GALN-SB3B-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940390
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-SB3B-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 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: 12384 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

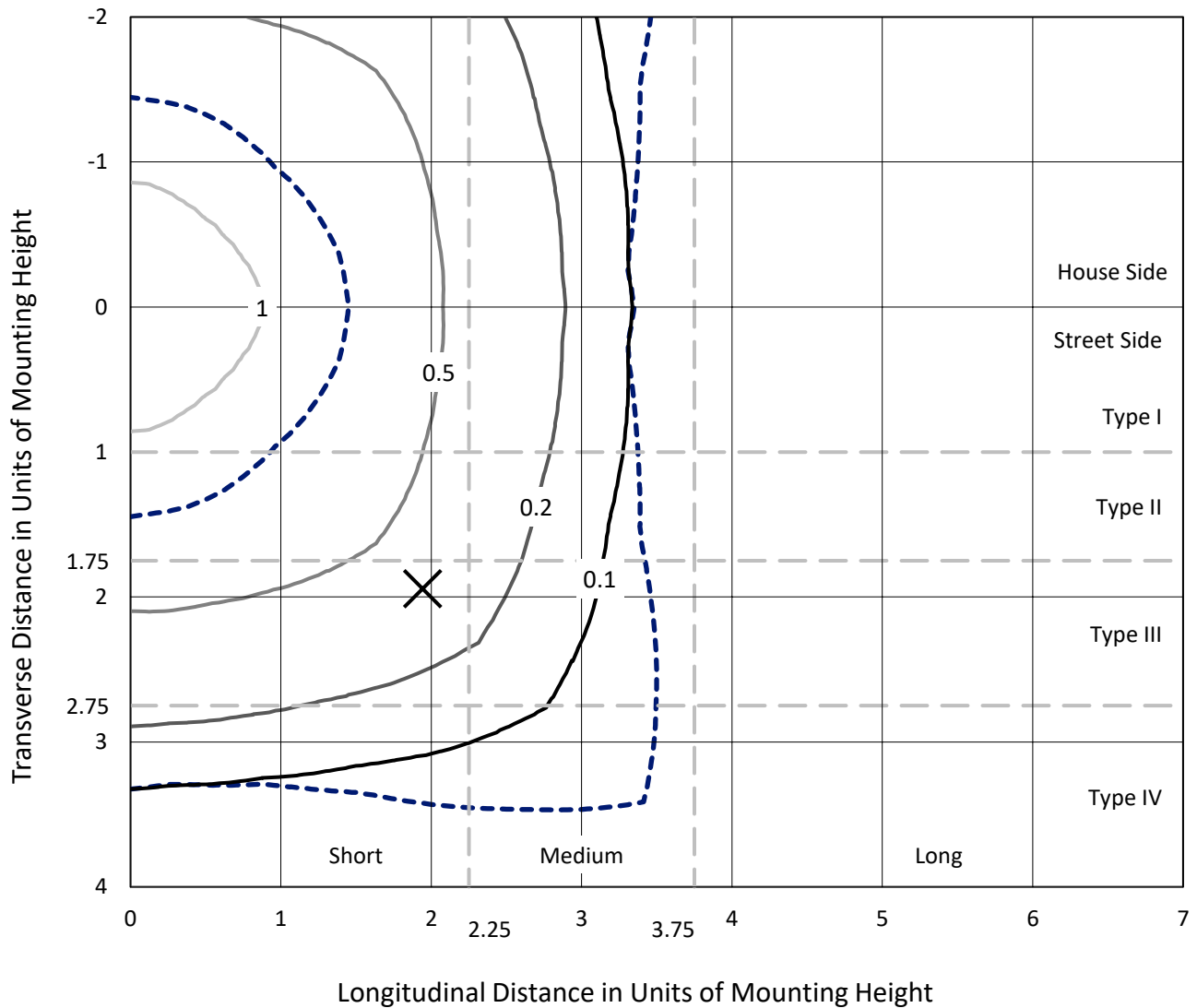
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

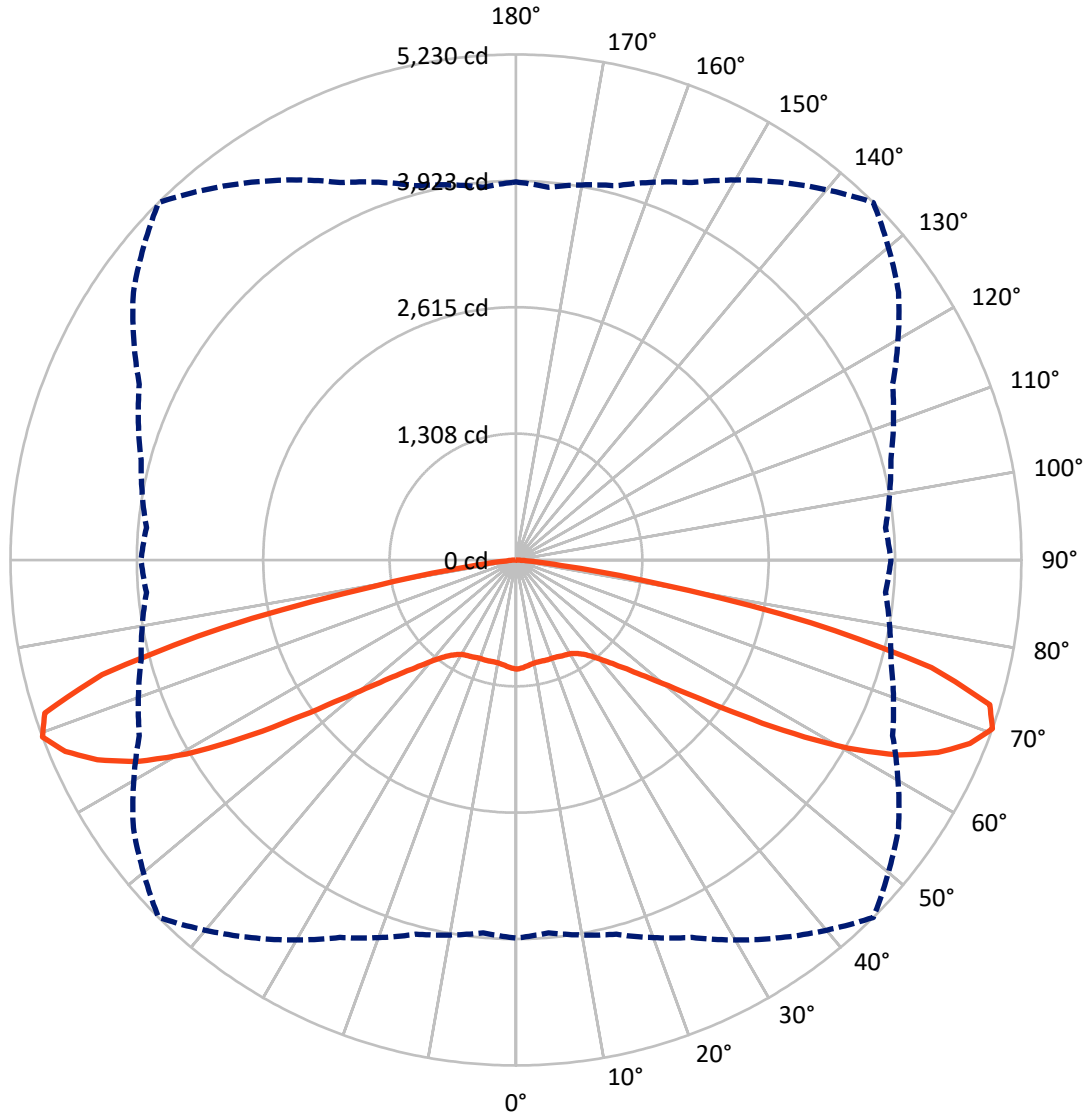
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6192.0	0.0	6192.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6192.0	0.0	6192.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12384.0	0.0	12384.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	0.8
10°-20°	308.6	2.5
20°-30°	513.5	4.1
30°-40°	776.5	6.3
40°-50°	1290.4	10.4
50°-60°	2435.0	19.7
60°-70°	4111.6	33.2
70°-80°	2701.7	21.8
80°-90°	141.5	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°	12384.0	100.0
0°-180°	12384.0	100.0



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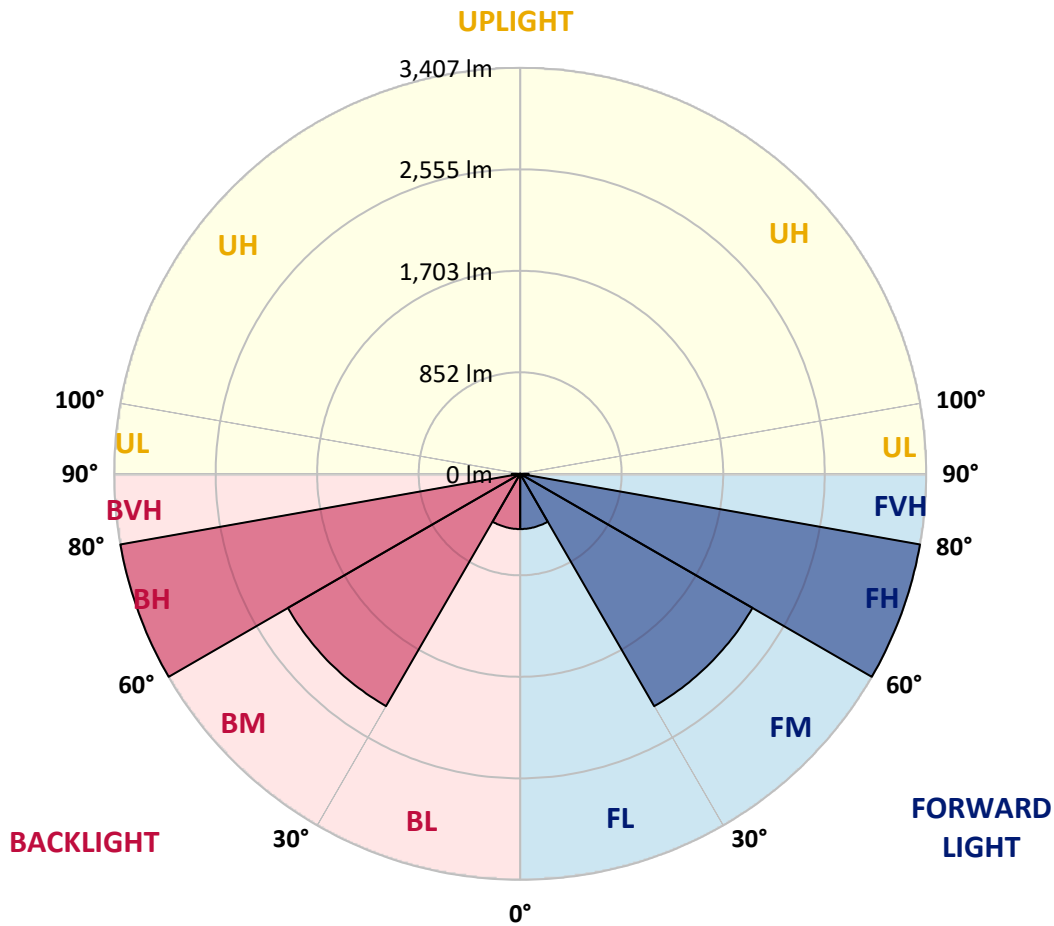
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.6	3.7			
FM (30°-60°)	2251.0	18.2			
FH (60°-80°)	3406.7	27.5			G2/5000
FVH (80°-90°)	70.8	0.6			G1/100
BL (0°-30°)	463.6	3.7	B1/500		
BM (30°-60°)	2251.0	18.2	B2/2500		
BH (60°-80°)	3406.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	70.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1129.7	1129.7	1129.7	1129.7	1129.7	1129.7	1129.7	1129.7	1129.7	1129.7
2.5°	1122.6	1125.8	1124.5	1121.9	1121.9	1120.0	1121.9	1123.2	1125.2	1126.5
5°	1107.8	1110.4	1109.7	1107.8	1108.4	1106.5	1107.8	1109.7	1111.0	1111.6
7.5°	1094.9	1097.5	1096.2	1093.0	1093.0	1091.0	1091.7	1093.6	1095.6	1096.2
10°	1091.7	1094.3	1090.4	1085.3	1083.3	1080.7	1081.4	1083.3	1087.2	1089.1
12.5°	1093.0	1094.9	1091.0	1083.3	1081.4	1078.8	1078.8	1080.7	1085.9	1088.5
15°	1096.8	1098.8	1093.0	1084.6	1082.7	1080.7	1080.1	1082.7	1088.5	1093.0
17.5°	1103.9	1105.9	1096.8	1085.3	1082.7	1083.3	1082.7	1084.6	1093.6	1102.0
20°	1110.4	1111.6	1099.4	1085.3	1082.7	1083.3	1082.7	1086.5	1098.1	1109.7
22.5°	1112.3	1113.6	1102.0	1089.8	1087.8	1088.5	1087.8	1091.7	1102.6	1114.2
25°	1112.9	1114.9	1105.9	1096.2	1099.4	1100.7	1099.4	1100.1	1108.4	1118.7
27.5°	1122.6	1125.2	1116.8	1108.4	1110.4	1109.7	1111.6	1113.6	1120.0	1130.3
30°	1142.5	1144.5	1137.4	1129.0	1127.7	1123.2	1129.0	1135.5	1142.5	1151.6
32.5°	1175.4	1179.2	1170.2	1161.2	1155.4	1152.8	1157.3	1168.3	1177.9	1187.6
35°	1230.1	1232.7	1224.3	1207.6	1197.3	1197.3	1201.1	1215.3	1230.7	1243.0
37.5°	1307.3	1310.5	1295.7	1275.8	1260.3	1260.3	1265.5	1280.3	1303.5	1320.8
40°	1401.3	1405.8	1387.1	1366.5	1351.7	1349.2	1355.6	1372.3	1394.2	1416.1
42.5°	1514.6	1519.7	1495.3	1477.3	1465.7	1465.7	1468.9	1484.3	1504.3	1531.3
45°	1659.4	1668.4	1635.0	1616.9	1606.0	1608.6	1610.5	1624.0	1642.0	1672.9
47.5°	1831.9	1840.9	1805.5	1786.9	1784.9	1797.2	1789.4	1799.1	1808.8	1844.2
50°	2027.6	2043.1	2018.6	2017.3	2021.2	2043.7	2025.7	2030.8	2019.9	2042.4
52.5°	2267.1	2289.6	2285.1	2292.8	2335.9	2382.3	2341.1	2323.1	2281.9	2288.9
55°	2557.4	2591.5	2597.9	2644.3	2742.1	2836.7	2749.2	2676.4	2588.9	2572.8
57.5°	2887.6	2914.6	2945.5	3040.1	3222.9	3390.9	3222.9	3062.0	2924.3	2891.4
60°	3242.9	3276.4	3306.0	3445.7	3717.3	3953.5	3712.1	3456.6	3274.4	3230.0
62.5°	3624.6	3667.7	3688.3	3843.5	4160.1	4442.1	4164.7	3855.0	3652.9	3605.3
65°	3990.9	4026.3	4049.4	4214.9	4517.4	4800.0	4538.0	4232.9	4025.0	3962.5
67.5°	4161.4	4180.7	4237.4	4424.7	4744.0	5066.5	4798.0	4444.7	4212.3	4102.9
70°	3911.7	3872.4	4008.9	4308.8	4771.0	5230.0	4832.8	4299.8	4015.3	3837.7
72.5°	3022.8	2955.2	3192.0	3705.1	4462.0	5125.7	4492.9	3734.0	3339.4	2979.0
75°	1644.6	1568.0	1895.0	2543.8	3558.3	4442.7	3640.0	2616.6	2110.0	1632.4
77.5°	464.1	435.1	699.0	1230.7	2140.3	3119.3	2222.7	1257.8	829.1	491.8
80°	142.3	137.7	186.7	370.8	908.9	1494.0	873.5	375.3	237.5	150.0
82.5°	84.3	77.2	92.7	135.2	231.7	469.2	225.3	141.0	113.3	76.0
85°	48.3	45.1	54.7	65.7	77.9	99.8	65.0	66.9	60.5	40.6
87.5°	20.0	18.0	21.2	20.6	18.0	23.2	17.4	20.6	24.5	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1129.7
1125.8
1111.6
1096.2
1089.1
1089.1
1093.6
1102.0
1110.4
1114.2
1118.1
1127.7
1149.6
1183.7
1238.5
1314.4
1409.0
1529.4
1671.7
1833.9
2028.9
2265.1
2547.7
2868.3
3191.4
3566.7
3931.6
4104.1
3880.1
3068.5
1738.6
546.5
158.3
82.4
42.5
14.8
0.0

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