

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: P940400

Luminaire Tested: **GALN-SB3B-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940400
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-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11888 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

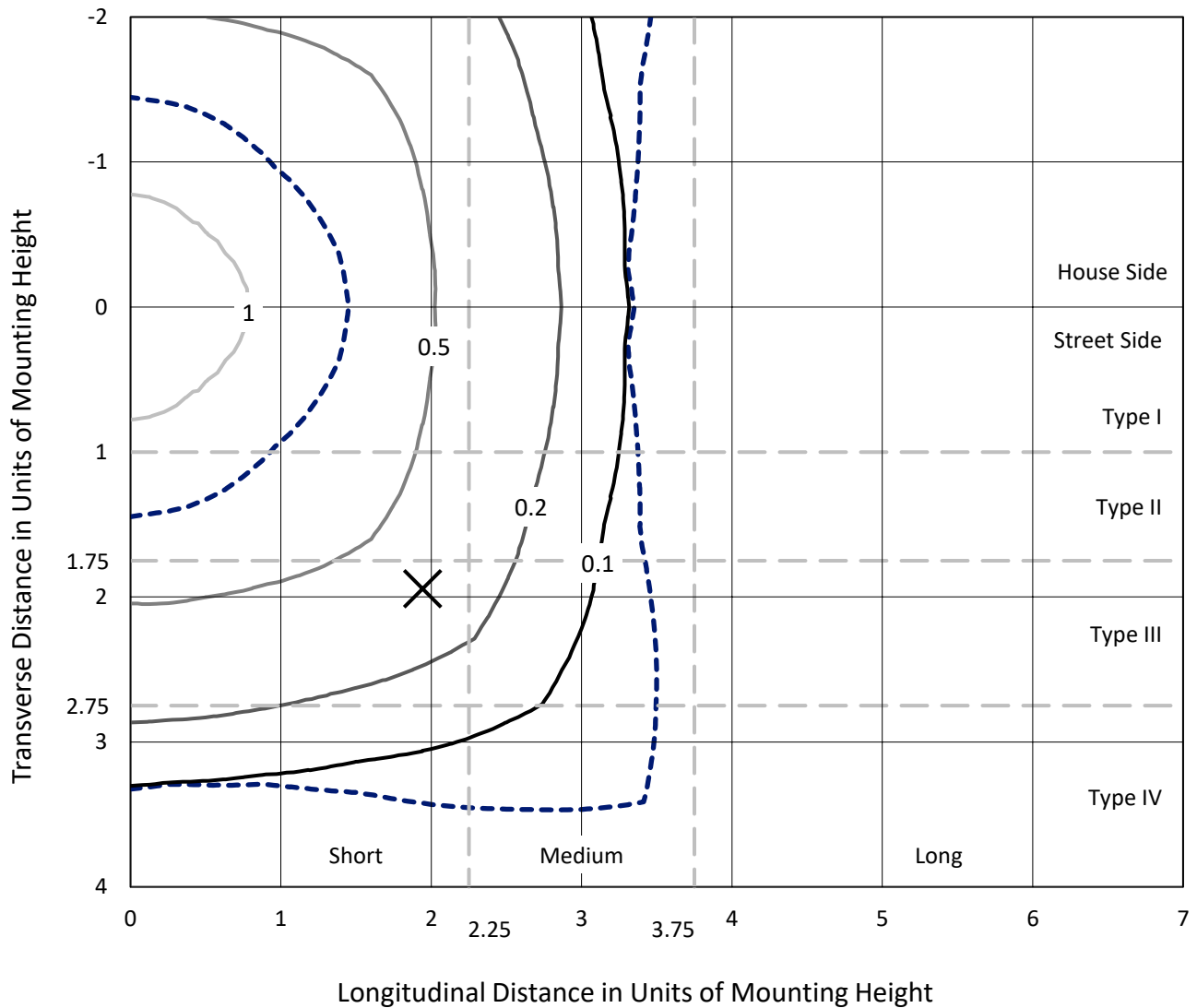
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

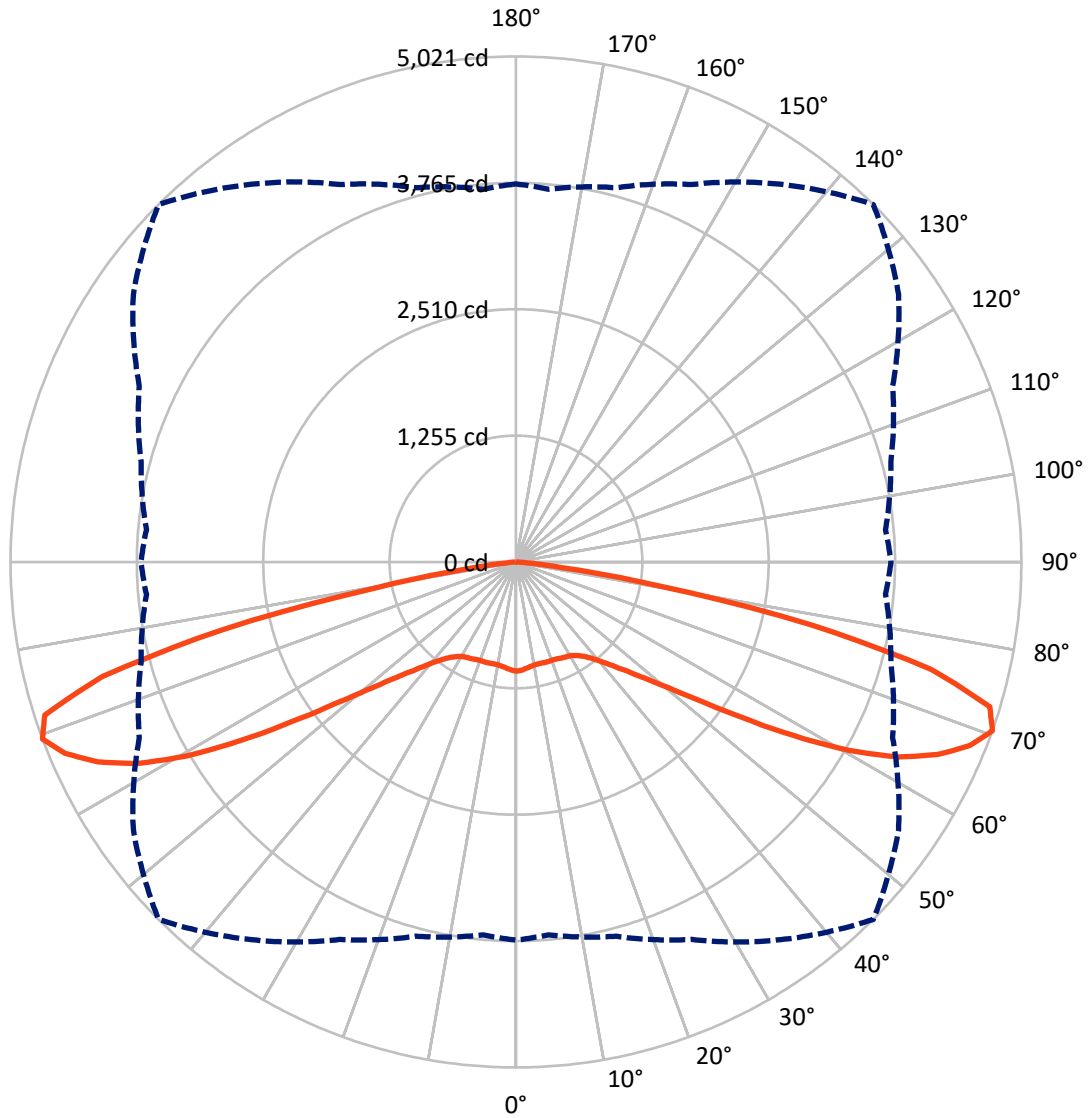
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	5944.0	0.0	5944.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5944.0	0.0	5944.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11888.0	0.0	11888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	0.8
10°-20°	296.2	2.5
20°-30°	492.9	4.1
30°-40°	745.4	6.3
40°-50°	1238.8	10.4
50°-60°	2337.5	19.7
60°-70°	3946.9	33.2
70°-80°	2593.5	21.8
80°-90°	135.9	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°	11888.0	100.0
0°-180°	11888.0	100.0

Coefficient of Utilization



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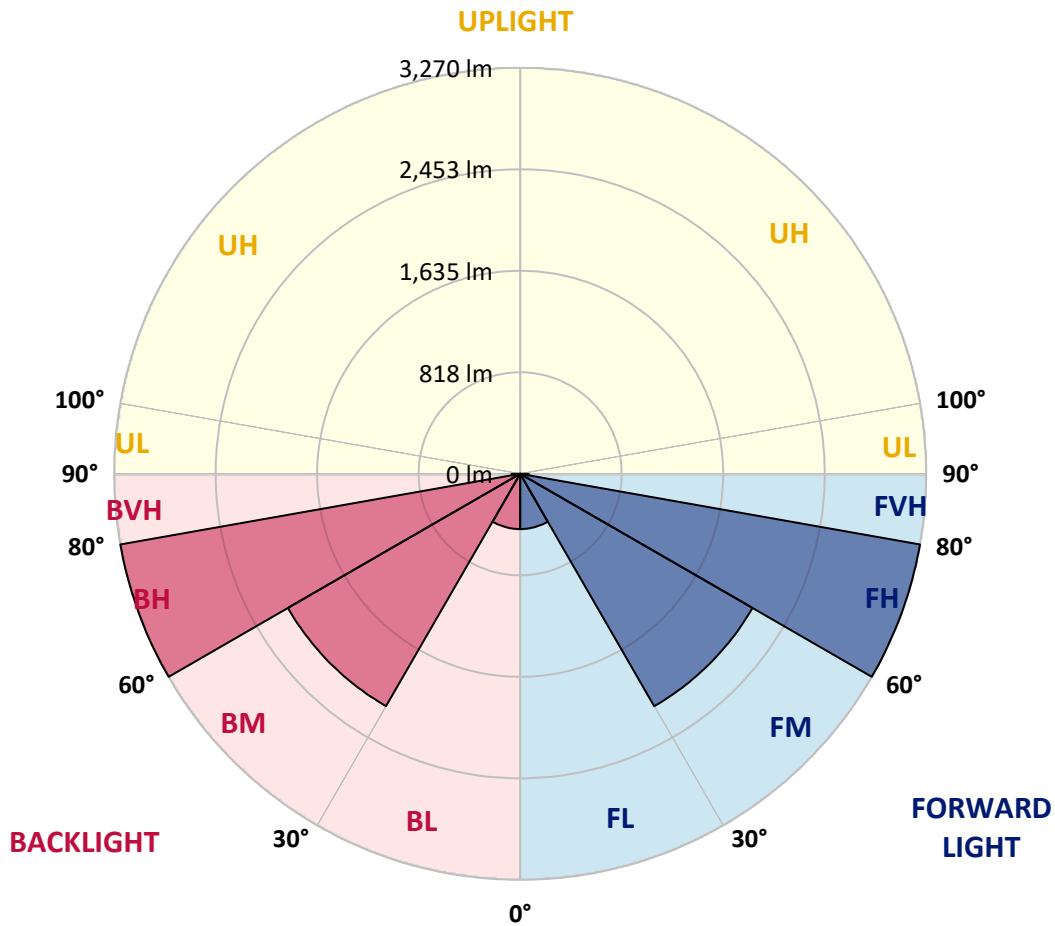
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.0	3.7			
FM (30°-60°)	2160.8	18.2			
FH (60°-80°)	3270.2	27.5			G2/5000
FVH (80°-90°)	67.9	0.6			G1/100
BL (0°-30°)	445.0	3.7	B1/500		
BM (30°-60°)	2160.8	18.2	B2/2500		
BH (60°-80°)	3270.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	67.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1084.4	1084.4	1084.4	1084.4	1084.4	1084.4	1084.4	1084.4	1084.4	1084.4
2.5°	1077.6	1080.7	1079.5	1077.0	1077.0	1075.2	1077.0	1078.2	1080.1	1081.3
5°	1063.4	1065.9	1065.3	1063.4	1064.0	1062.2	1063.4	1065.3	1066.5	1067.1
7.5°	1051.1	1053.5	1052.3	1049.2	1049.2	1047.4	1048.0	1049.8	1051.7	1052.3
10°	1048.0	1050.4	1046.7	1041.8	1039.9	1037.5	1038.1	1039.9	1043.6	1045.5
12.5°	1049.2	1051.1	1047.4	1039.9	1038.1	1035.6	1035.6	1037.5	1042.4	1044.9
15°	1052.9	1054.8	1049.2	1041.2	1039.3	1037.5	1036.8	1039.3	1044.9	1049.2
17.5°	1059.7	1061.6	1052.9	1041.8	1039.3	1039.9	1039.3	1041.2	1049.8	1057.9
20°	1065.9	1067.1	1055.4	1041.8	1039.3	1039.9	1039.3	1043.0	1054.1	1065.3
22.5°	1067.7	1069.0	1057.9	1046.1	1044.3	1044.9	1044.3	1048.0	1058.5	1069.6
25°	1068.4	1070.2	1061.6	1052.3	1055.4	1056.6	1055.4	1056.0	1064.0	1073.9
27.5°	1077.6	1080.1	1072.1	1064.0	1065.9	1065.3	1067.1	1069.0	1075.2	1085.0
30°	1096.8	1098.6	1091.8	1083.8	1082.6	1078.2	1083.8	1090.0	1096.8	1105.4
32.5°	1128.3	1132.0	1123.4	1114.7	1109.1	1106.7	1111.0	1121.5	1130.8	1140.0
35°	1180.8	1183.3	1175.3	1159.2	1149.3	1149.3	1153.0	1166.6	1181.4	1193.2
37.5°	1255.0	1258.1	1243.8	1224.7	1209.9	1209.9	1214.8	1229.0	1251.3	1267.9
40°	1345.2	1349.5	1331.6	1311.8	1297.6	1295.1	1301.3	1317.4	1338.4	1359.4
42.5°	1453.9	1458.9	1435.4	1418.1	1407.0	1407.0	1410.1	1424.9	1444.0	1470.0
45°	1593.0	1601.6	1569.5	1552.2	1541.7	1544.1	1546.0	1559.0	1576.3	1605.9
47.5°	1758.6	1767.2	1733.2	1715.3	1713.5	1725.2	1717.8	1727.0	1736.3	1770.3
50°	1946.4	1961.2	1937.8	1936.5	1940.2	1961.9	1944.6	1949.5	1939.0	1960.6
52.5°	2176.3	2197.9	2193.6	2201.0	2242.4	2286.9	2247.3	2230.0	2190.5	2197.3
55°	2454.9	2487.7	2493.9	2538.4	2632.3	2723.1	2639.1	2569.3	2485.2	2469.8
57.5°	2771.9	2797.9	2827.5	2918.4	3093.9	3255.1	3093.9	2939.4	2807.1	2775.6
60°	3113.0	3145.1	3173.6	3307.7	3568.4	3795.2	3563.5	3318.2	3143.3	3100.7
62.5°	3479.4	3520.8	3540.6	3689.5	3993.5	4264.2	3997.9	3700.6	3506.6	3460.9
65°	3831.0	3865.0	3887.2	4046.0	4336.5	4607.7	4356.2	4063.3	3863.8	3803.8
67.5°	3994.8	4013.3	4067.7	4247.5	4554.0	4863.5	4605.9	4266.6	4043.6	3938.5
70°	3755.0	3717.3	3848.3	4136.3	4579.9	5020.5	4639.2	4127.6	3854.5	3684.0
72.5°	2901.7	2836.8	3064.2	3556.7	4283.3	4920.4	4313.0	3584.5	3205.7	2859.7
75°	1578.7	1505.2	1819.1	2442.0	3415.8	4264.8	3494.3	2511.8	2025.5	1567.0
77.5°	445.5	417.7	671.0	1181.4	2054.5	2994.4	2133.6	1207.4	795.9	472.1
80°	136.6	132.2	179.2	355.9	872.5	1434.2	838.5	360.2	228.0	144.0
82.5°	80.9	74.1	89.0	129.8	222.4	450.5	216.3	135.3	108.8	72.9
85°	46.3	43.3	52.5	63.0	74.8	95.8	62.4	64.3	58.1	38.9
87.5°	19.2	17.3	20.4	19.8	17.3	22.2	16.7	19.8	23.5	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1084.4
1080.7
1067.1
1052.3
1045.5
1045.5
1049.8
1057.9
1065.9
1069.6
1073.3
1082.6
1103.6
1136.3
1188.9
1261.8
1352.6
1468.1
1604.7
1760.4
1947.6
2174.4
2445.7
2753.4
3063.6
3423.8
3774.2
3939.8
3724.7
2945.6
1669.0
524.6
152.0
79.1
40.8
14.2
0.0

OF REPORT)