

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: P939710

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939710
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 8254 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

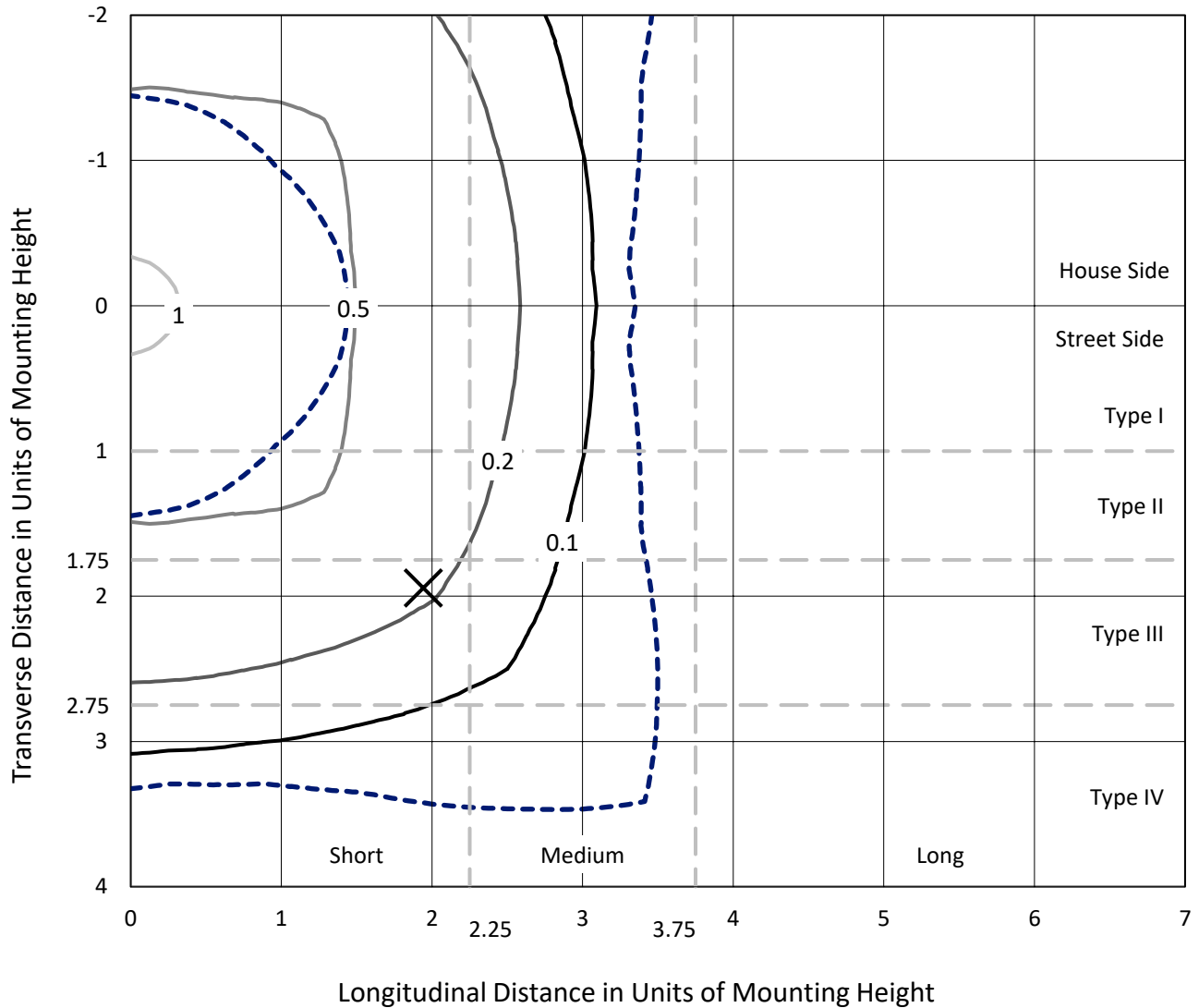
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

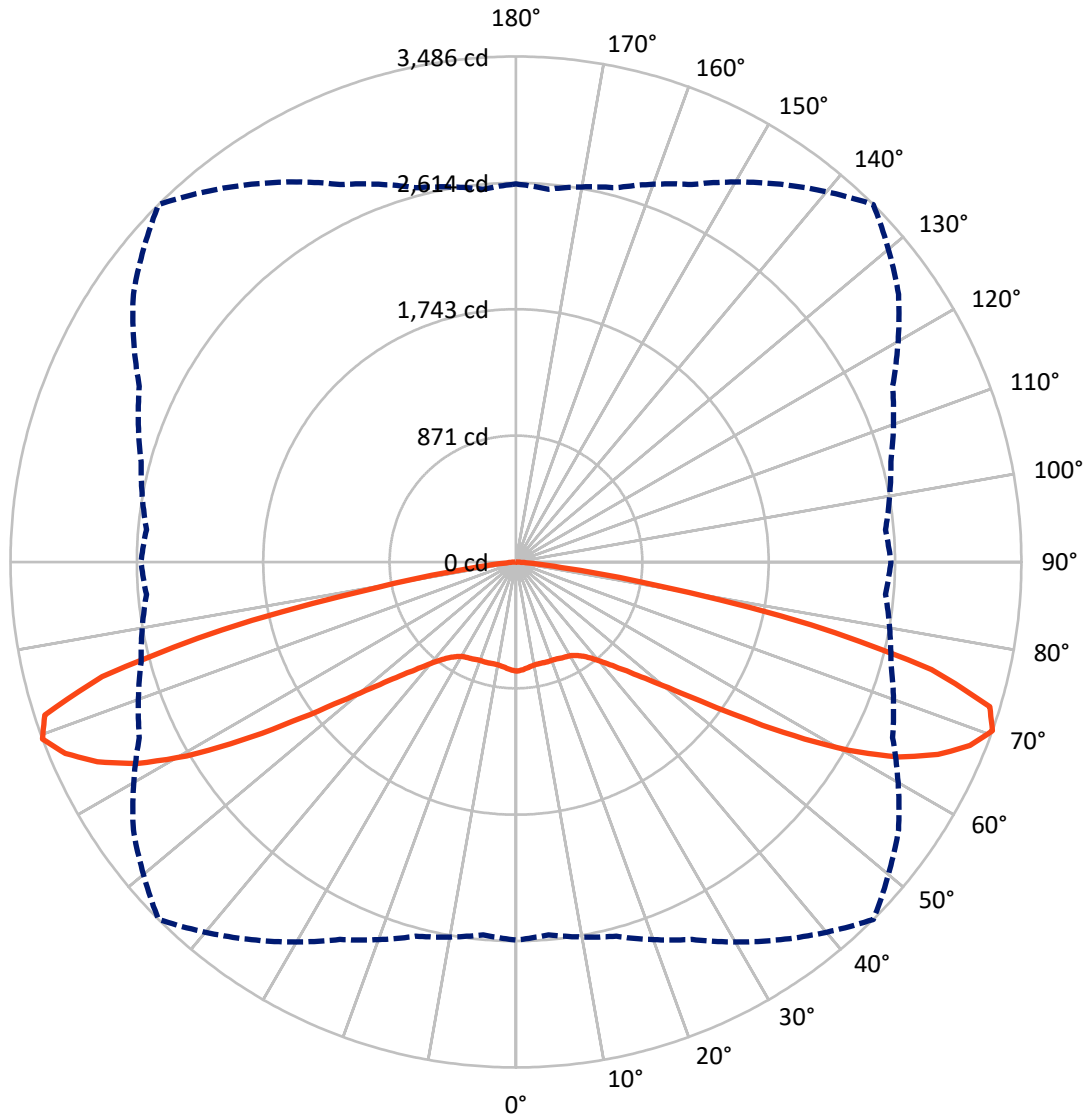
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	4127.0	0.0	4127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4127.0	0.0	4127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8254.0	0.0	8254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	0.8
10°-20°	205.7	2.5
20°-30°	342.2	4.1
30°-40°	517.6	6.3
40°-50°	860.1	10.4
50°-60°	1622.9	19.7
60°-70°	2740.4	33.2
70°-80°	1800.7	21.8
80°-90°	94.3	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°	8254.0	100.0
0°-180°	8254.0	100.0

Coefficient of Utilization



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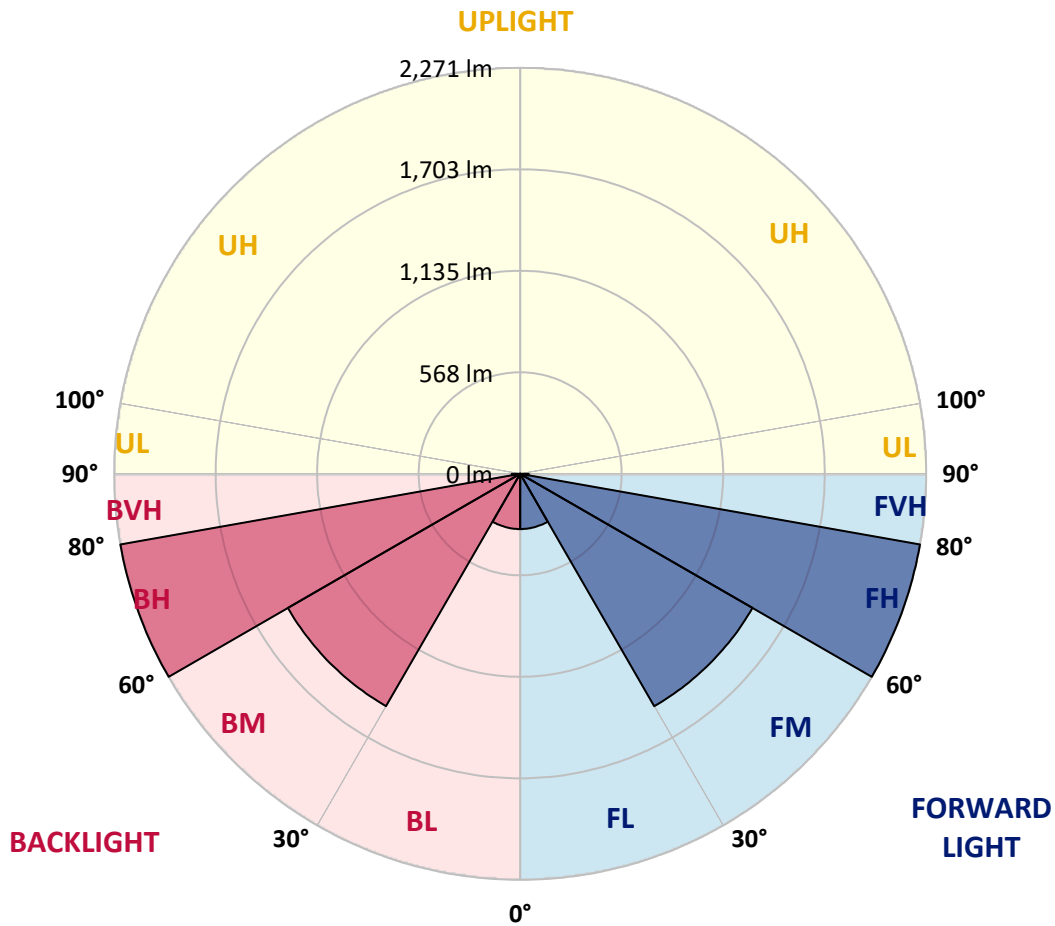
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.0	3.7			
FM (30°-60°)	1500.3	18.2			
FH (60°-80°)	2270.6	27.5			G2/5000
FVH (80°-90°)	47.2	0.6			G1/100
BL (0°-30°)	309.0	3.7	B1/500		
BM (30°-60°)	1500.3	18.2	B2/2500		
BH (60°-80°)	2270.6	27.5	B3/2500		G2/5000
BVH (80°-90°)	47.2	0.6			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9	752.9
2.5°	748.2	750.4	749.5	747.8	747.8	746.5	747.8	748.6	749.9	750.8
5°	738.3	740.1	739.6	738.3	738.8	737.5	738.3	739.6	740.5	740.9
7.5°	729.8	731.5	730.6	728.5	728.5	727.2	727.6	728.9	730.2	730.6
10°	727.6	729.3	726.8	723.3	722.0	720.3	720.8	722.0	724.6	725.9
12.5°	728.5	729.8	727.2	722.0	720.8	719.0	719.0	720.3	723.8	725.5
15°	731.1	732.3	728.5	722.9	721.6	720.3	719.9	721.6	725.5	728.5
17.5°	735.8	737.1	731.1	723.3	721.6	722.0	721.6	722.9	728.9	734.5
20°	740.1	740.9	732.8	723.3	721.6	722.0	721.6	724.2	731.9	739.6
22.5°	741.3	742.2	734.5	726.3	725.0	725.5	725.0	727.6	734.9	742.6
25°	741.8	743.1	737.1	730.6	732.8	733.6	732.8	733.2	738.8	745.6
27.5°	748.2	749.9	744.4	738.8	740.1	739.6	740.9	742.2	746.5	753.4
30°	761.5	762.8	758.1	752.5	751.6	748.6	752.5	756.8	761.5	767.5
32.5°	783.4	786.0	780.0	774.0	770.1	768.4	771.4	778.7	785.1	791.5
35°	819.9	821.6	816.0	804.8	798.0	798.0	800.6	810.0	820.3	828.4
37.5°	871.3	873.5	863.6	850.3	840.0	840.0	843.5	853.3	868.8	880.4
40°	934.0	937.0	924.5	910.8	900.9	899.2	903.5	914.7	929.3	943.8
42.5°	1009.5	1012.9	996.6	984.6	976.9	976.9	979.0	989.3	1002.6	1020.6
45°	1106.0	1112.0	1089.7	1077.7	1070.4	1072.1	1073.4	1082.4	1094.4	1115.0
47.5°	1221.0	1227.0	1203.4	1191.0	1189.7	1197.8	1192.7	1199.1	1205.5	1229.1
50°	1351.4	1361.7	1345.4	1344.6	1347.1	1362.1	1350.1	1353.6	1346.3	1361.3
52.5°	1511.0	1526.0	1523.0	1528.2	1556.9	1587.8	1560.3	1548.3	1520.9	1525.6
55°	1704.5	1727.2	1731.5	1762.4	1827.6	1890.7	1832.3	1783.9	1725.5	1714.8
57.5°	1924.6	1942.6	1963.2	2026.3	2148.1	2260.1	2148.1	2040.9	1949.0	1927.2
60°	2161.4	2183.7	2203.4	2296.5	2477.6	2635.0	2474.2	2303.8	2182.4	2152.8
62.5°	2415.8	2444.6	2458.3	2561.7	2772.8	2960.7	2775.8	2569.4	2434.7	2402.9
65°	2659.9	2683.5	2699.0	2809.2	3010.9	3199.2	3024.6	2821.2	2682.7	2641.1
67.5°	2773.6	2786.5	2824.2	2949.1	3161.9	3376.8	3197.9	2962.4	2807.5	2734.6
70°	2607.2	2581.0	2671.9	2871.9	3179.9	3485.8	3221.1	2865.9	2676.2	2557.8
72.5°	2014.7	1969.6	2127.5	2469.4	2974.0	3416.3	2994.6	2488.7	2225.8	1985.5
75°	1096.1	1045.1	1263.0	1695.5	2371.6	2961.1	2426.1	1744.0	1406.3	1088.0
77.5°	309.3	290.0	465.9	820.3	1426.5	2079.0	1481.4	838.3	552.6	327.8
80°	94.8	91.8	124.4	247.1	605.8	995.8	582.2	250.1	158.3	100.0
82.5°	56.2	51.5	61.8	90.1	154.4	312.8	150.2	94.0	75.5	50.6
85°	32.2	30.0	36.5	43.8	51.9	66.5	43.3	44.6	40.3	27.0
87.5°	13.3	12.0	14.2	13.7	12.0	15.4	11.6	13.7	16.3	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
752.9
750.4
740.9
730.6
725.9
725.9
728.9
734.5
740.1
742.6
745.2
751.6
766.2
789.0
825.4
876.1
939.1
1019.4
1114.2
1222.3
1352.3
1509.7
1698.1
1911.7
2127.1
2377.2
2620.5
2735.4
2586.1
2045.1
1158.8
364.2
105.5
54.9
28.3
9.9
0.0

OF REPORT)