

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: P939890

Luminaire Tested: **GALN-SB2C-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939890
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-SB2C-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10539 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

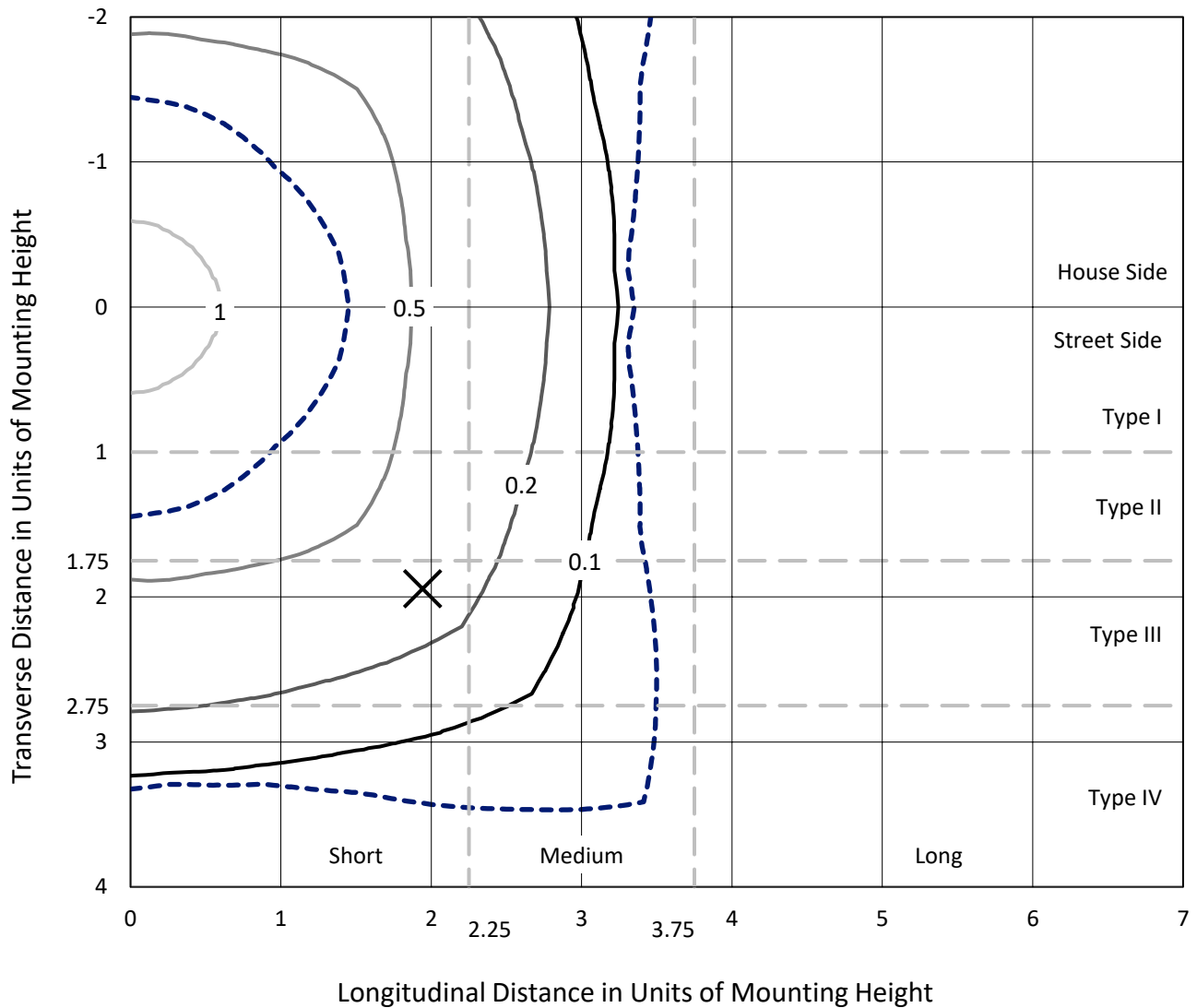
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

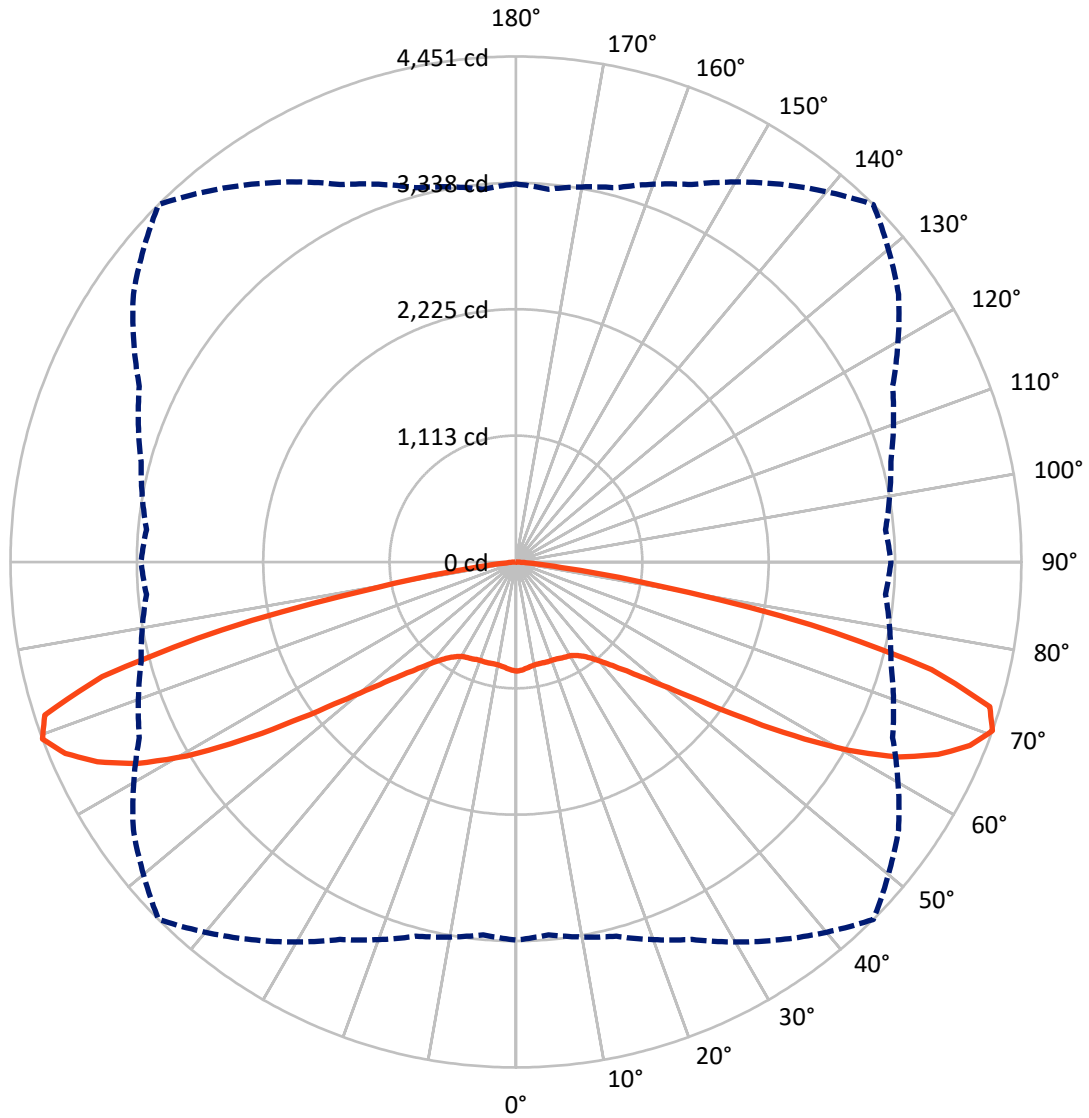
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	5269.5	0.0	5269.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5269.5	0.0	5269.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10539.0	0.0	10539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	0.8
10°-20°	262.6	2.5
20°-30°	437.0	4.1
30°-40°	660.9	6.3
40°-50°	1098.2	10.4
50°-60°	2072.2	19.7
60°-70°	3499.0	33.2
70°-80°	2299.2	21.8
80°-90°	120.5	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°	10539.0	100.0
0°-180°	10539.0	100.0

Coefficient of Utilization



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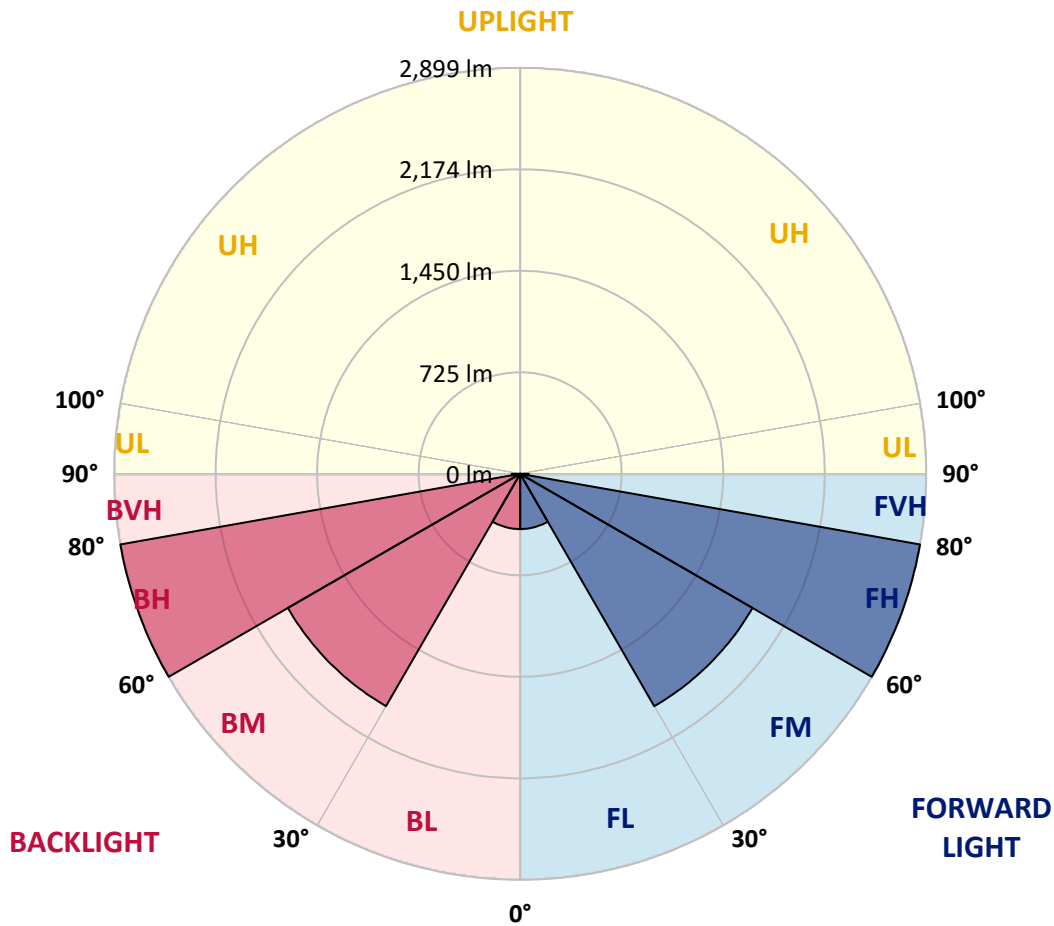
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.5	3.7			
FM (30°-60°)	1915.6	18.2			
FH (60°-80°)	2899.1	27.5			G2/5000
FVH (80°-90°)	60.2	0.6			G1/100
BL (0°-30°)	394.5	3.7	B1/500		
BM (30°-60°)	1915.6	18.2	B2/2500		
BH (60°-80°)	2899.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	60.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	955.3	958.1	957.0	954.8	954.8	953.2	954.8	955.9	957.5	958.6
5°	942.7	944.9	944.4	942.7	943.3	941.6	942.7	944.4	945.5	946.0
7.5°	931.8	934.0	932.9	930.1	930.1	928.5	929.0	930.7	932.3	932.9
10°	929.0	931.2	928.0	923.6	921.9	919.7	920.3	921.9	925.2	926.9
12.5°	930.1	931.8	928.5	921.9	920.3	918.1	918.1	919.7	924.1	926.3
15°	933.4	935.1	930.1	923.0	921.4	919.7	919.2	921.4	926.3	930.1
17.5°	939.5	941.1	933.4	923.6	921.4	921.9	921.4	923.0	930.7	937.8
20°	944.9	946.0	935.6	923.6	921.4	921.9	921.4	924.7	934.5	944.4
22.5°	946.6	947.7	937.8	927.4	925.8	926.3	925.8	929.0	938.4	948.2
25°	947.1	948.8	941.1	932.9	935.6	936.7	935.6	936.2	943.3	952.1
27.5°	955.3	957.5	950.4	943.3	944.9	944.4	946.0	947.7	953.2	961.9
30°	972.3	974.0	967.9	960.8	959.7	955.9	960.8	966.3	972.3	980.0
32.5°	1000.3	1003.5	995.9	988.2	983.3	981.1	984.9	994.2	1002.5	1010.7
35°	1046.8	1049.0	1041.9	1027.7	1018.9	1018.9	1022.2	1034.2	1047.4	1057.8
37.5°	1112.6	1115.3	1102.7	1085.7	1072.6	1072.6	1077.0	1089.6	1109.3	1124.1
40°	1192.5	1196.4	1180.5	1163.0	1150.4	1148.2	1153.6	1167.9	1186.5	1205.1
42.5°	1288.9	1293.3	1272.5	1257.2	1247.3	1247.3	1250.1	1263.2	1280.2	1303.2
45°	1412.2	1419.9	1391.4	1376.0	1366.7	1368.9	1370.6	1382.1	1397.4	1423.7
47.5°	1559.0	1566.7	1536.5	1520.7	1519.0	1529.4	1522.9	1531.1	1539.3	1569.4
50°	1725.5	1738.7	1717.9	1716.8	1720.1	1739.2	1723.9	1728.3	1719.0	1738.1
52.5°	1929.3	1948.5	1944.6	1951.2	1987.9	2027.4	1992.3	1977.0	1941.9	1947.9
55°	2176.4	2205.4	2210.9	2250.3	2333.6	2414.1	2339.6	2277.7	2203.2	2189.5
57.5°	2457.4	2480.4	2506.7	2587.2	2742.8	2885.8	2742.8	2605.8	2488.6	2460.7
60°	2759.8	2788.2	2813.4	2932.3	3163.5	3364.5	3159.1	2941.6	2786.6	2748.8
62.5°	3084.6	3121.3	3138.8	3270.8	3540.4	3780.3	3544.2	3280.7	3108.7	3068.2
65°	3396.3	3426.4	3446.1	3586.9	3844.4	4084.9	3861.9	3602.3	3425.3	3372.2
67.5°	3541.5	3557.9	3606.1	3765.5	4037.2	4311.6	4083.2	3782.5	3584.7	3491.6
70°	3328.9	3295.5	3411.6	3666.9	4060.2	4450.8	4112.8	3659.2	3417.1	3265.9
72.5°	2572.4	2514.9	2716.5	3153.1	3797.3	4362.0	3823.6	3177.7	2841.9	2535.2
75°	1399.6	1334.4	1612.7	2164.9	3028.2	3780.8	3097.7	2226.8	1795.7	1389.2
77.5°	395.0	370.3	594.9	1047.4	1821.4	2654.6	1891.5	1070.4	705.6	418.5
80°	121.1	117.2	158.9	315.5	773.5	1271.4	743.3	319.4	202.1	127.6
82.5°	71.8	65.7	78.9	115.0	197.2	399.3	191.7	120.0	96.4	64.6
85°	41.1	38.3	46.6	55.9	66.3	84.9	55.3	57.0	51.5	34.5
87.5°	17.0	15.3	18.1	17.5	15.3	19.7	14.8	17.5	20.8	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
961.4
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1560.6
1726.6
1927.7
2168.1
2440.9
2715.9
3035.3
3345.9
3492.7
3302.1
2611.3
1479.6
465.1
134.8
70.1
36.2
12.6
0.0

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