

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: P945524

Luminaire Tested: **GALN-SB1B-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4106 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

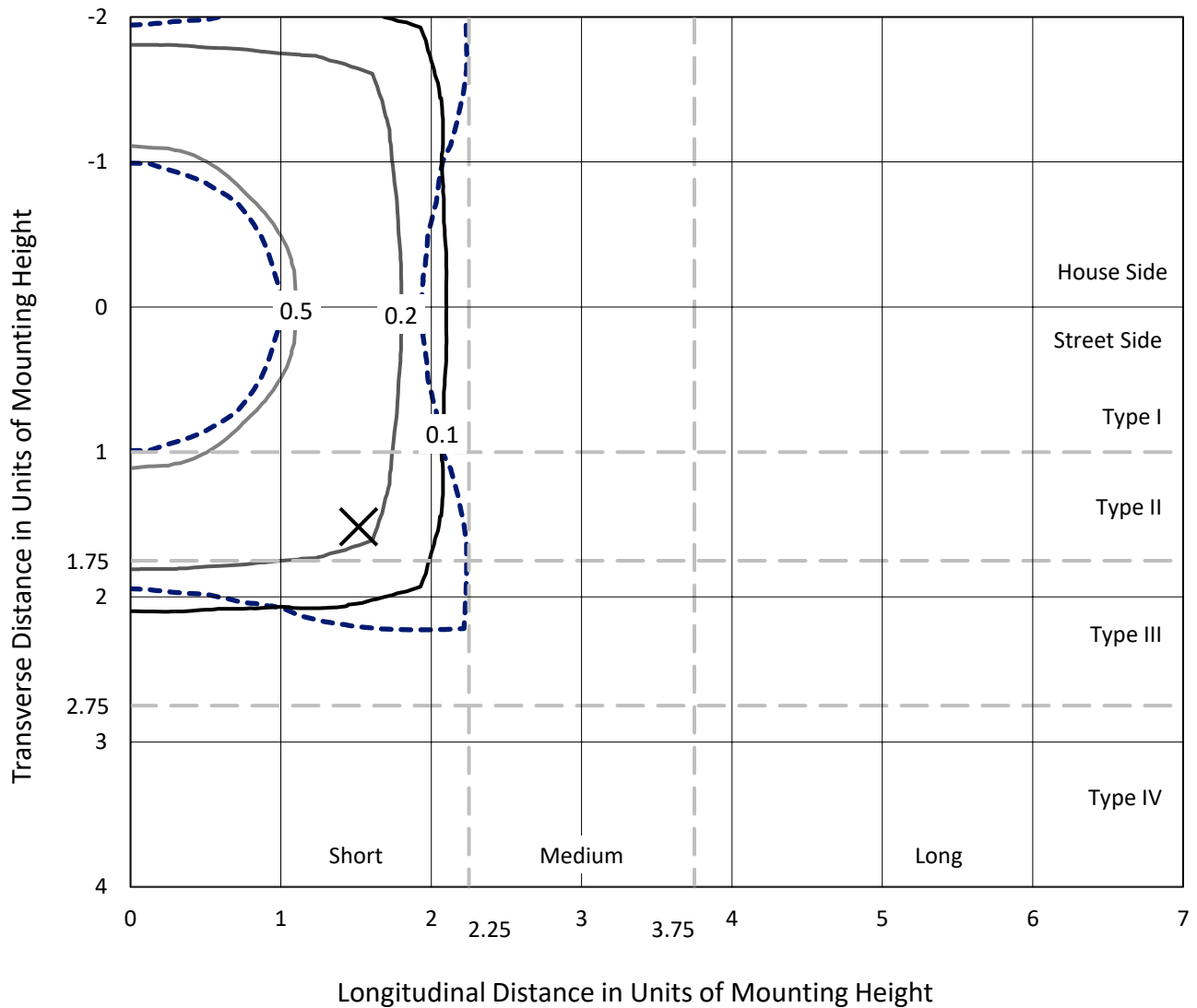
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

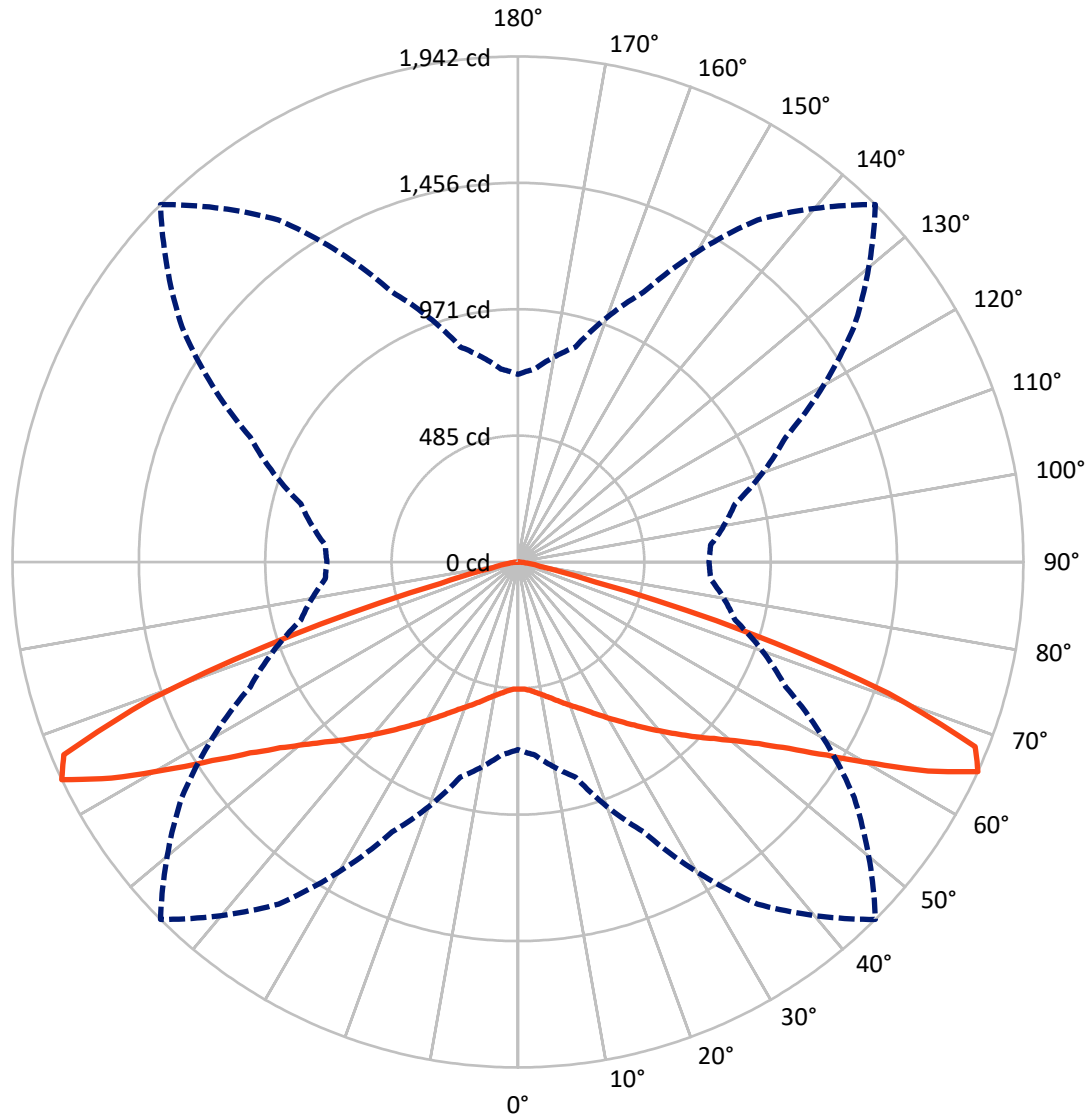
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2053.0	0.0	2053.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2053.0	0.0	2053.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4106.0	0.0	4106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.2
10°-20°	157.4	3.8
20°-30°	297.1	7.2
30°-40°	486.5	11.8
40°-50°	754.4	18.4
50°-60°	1114.3	27.1
60°-70°	1060.8	25.8
70°-80°	171.2	4.2
80°-90°	16.1	0.4
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°	4106.0	100.0
0°-180°	4106.0	100.0

Coefficient of Utilization



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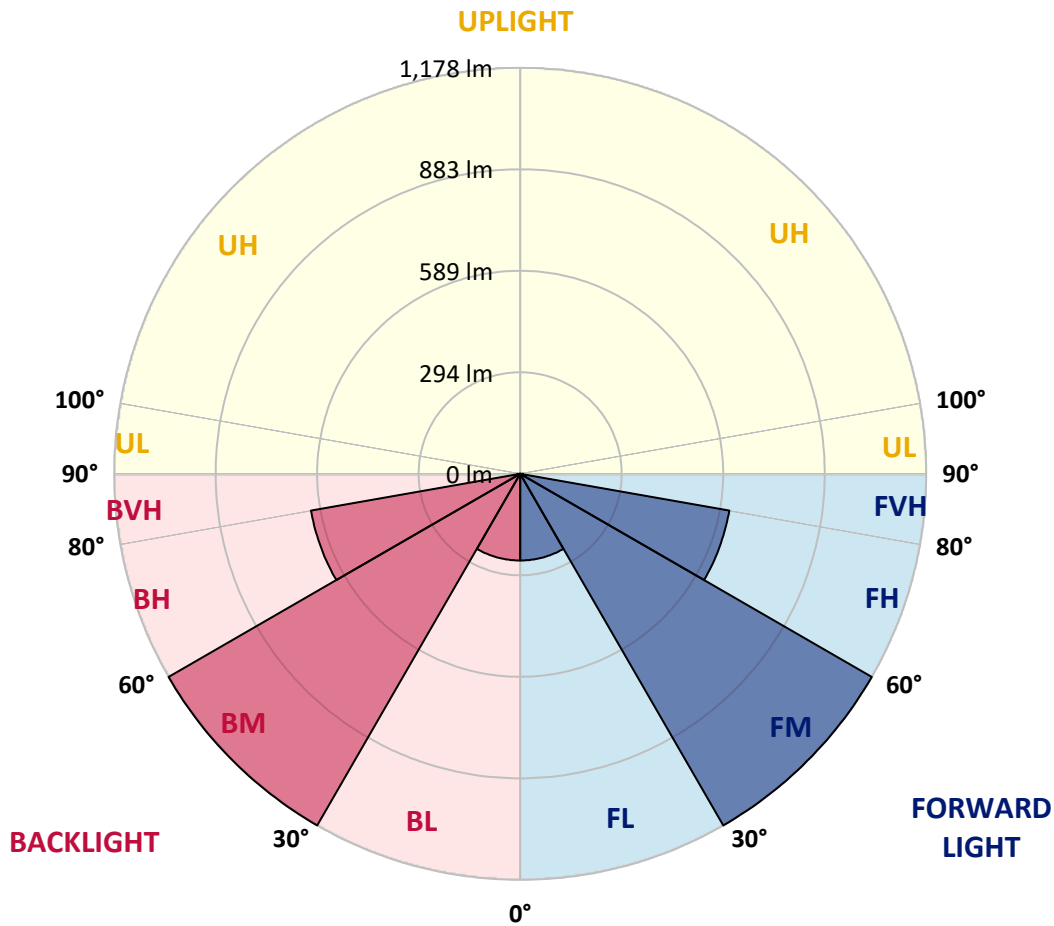
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.4	6.1			
FM (30°-60°)	1177.6	28.7			
FH (60°-80°)	616.0	15.0			G0/660
FVH (80°-90°)	8.1	0.2			G0/10
BL (0°-30°)	251.4	6.1	B1/500		
BM (30°-60°)	1177.6	28.7	B2/2500		
BH (60°-80°)	616.0	15.0	B2/1000		G0/660
BVH (80°-90°)	8.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7	488.7
2.5°	492.0	490.3	491.5	490.5	489.7	488.9	489.3	490.7	491.3	491.5
5°	498.5	497.1	497.7	497.7	496.3	495.9	496.1	497.1	498.3	498.3
7.5°	509.3	507.8	509.3	508.4	507.2	506.8	506.6	507.4	509.3	509.3
10°	522.2	520.6	521.4	521.0	519.6	518.9	518.7	520.0	521.6	521.4
12.5°	536.4	534.6	535.6	534.4	534.0	533.4	533.4	533.2	534.2	533.4
15°	552.3	551.1	551.5	550.7	551.3	550.9	549.2	548.4	548.8	547.6
17.5°	571.1	568.2	569.6	569.2	569.2	570.0	567.4	566.3	567.1	565.9
20°	592.7	589.8	590.4	589.6	588.6	589.4	586.1	586.9	587.5	586.7
22.5°	616.4	612.7	612.5	612.9	610.6	610.8	608.6	610.6	611.8	609.6
25°	640.7	636.8	639.5	638.4	635.5	636.2	634.5	636.6	637.6	634.7
27.5°	666.4	663.8	666.2	666.9	663.4	665.8	663.4	665.2	666.2	661.9
30°	696.5	693.8	696.1	697.8	693.6	697.5	695.5	696.7	696.9	691.8
32.5°	729.3	725.2	730.9	731.7	727.2	732.0	729.3	730.9	732.0	724.9
35°	769.2	764.1	770.7	769.7	765.7	769.7	767.2	769.7	772.1	763.7
37.5°	812.3	806.9	813.9	812.1	808.4	811.1	809.6	811.3	815.2	806.1
40°	859.7	853.1	862.6	859.3	855.8	855.4	856.2	857.2	862.4	852.3
42.5°	910.4	903.4	917.6	912.4	907.5	904.2	906.9	908.9	913.9	902.5
45°	968.2	960.2	978.8	972.6	964.7	957.9	962.3	965.4	972.6	959.0
47.5°	1032.1	1023.0	1042.8	1041.0	1028.2	1013.4	1023.3	1032.1	1037.5	1021.0
50°	1094.5	1087.5	1113.5	1115.7	1100.1	1079.3	1093.1	1106.5	1107.9	1086.3
52.5°	1153.0	1146.0	1183.7	1197.9	1183.9	1159.2	1173.8	1187.4	1176.5	1148.5
55°	1199.8	1194.0	1242.0	1278.7	1283.4	1263.0	1271.7	1271.3	1235.4	1192.4
57.5°	1211.1	1210.3	1270.9	1348.5	1398.0	1400.5	1383.4	1339.7	1262.4	1204.5
60°	1159.6	1164.8	1248.0	1385.0	1516.8	1571.6	1497.7	1373.1	1231.7	1151.4
62.5°	1005.5	1019.1	1119.5	1340.5	1612.9	1768.6	1589.4	1322.4	1105.7	1000.8
65°	720.6	744.3	855.1	1144.0	1604.2	1941.6	1576.2	1134.7	863.4	742.5
67.5°	326.9	351.0	445.2	783.2	1394.5	1894.7	1391.2	791.5	467.4	352.3
70°	118.5	122.6	152.9	313.5	891.2	1509.6	929.3	315.8	162.5	130.6
72.5°	71.7	72.3	78.7	112.3	309.6	916.5	322.8	116.0	80.3	71.3
75°	45.5	45.1	56.0	68.6	109.8	309.2	115.2	68.6	55.8	50.9
77.5°	32.8	33.8	40.2	51.3	69.2	104.9	68.0	49.0	40.2	33.0
80°	24.5	25.1	29.3	40.0	48.6	65.3	43.3	36.3	30.3	20.6
82.5°	17.7	17.7	19.2	29.0	29.7	35.2	23.5	25.5	20.0	14.6
85°	10.5	10.3	11.9	17.3	15.5	13.0	10.7	15.7	12.6	9.1
87.5°	3.7	3.9	3.7	4.9	4.1	3.5	3.3	4.3	3.5	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
488.7
491.5
498.3
508.6
521.0
533.8
547.8
566.9
588.6
611.8
638.0
665.2
694.9
729.7
768.8
811.7
855.6
908.5
966.0
1026.5
1089.0
1149.3
1193.8
1200.8
1141.9
994.6
733.6
347.1
129.0
72.5
51.3
33.6
21.2
14.6
8.9
2.9
0.0

OF REPORT)