

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: P944939

Luminaire Tested: **GALN-SB1A-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

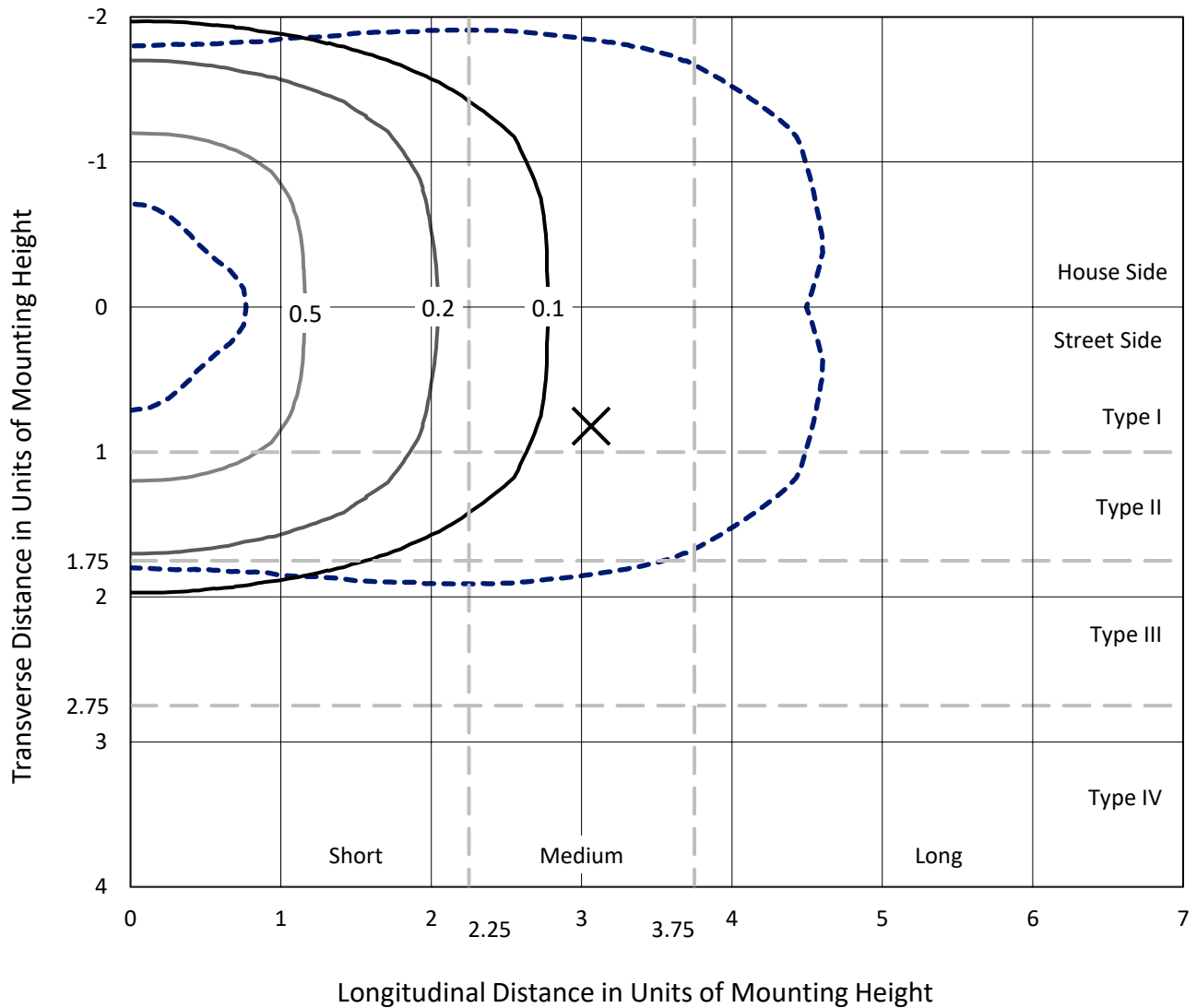
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

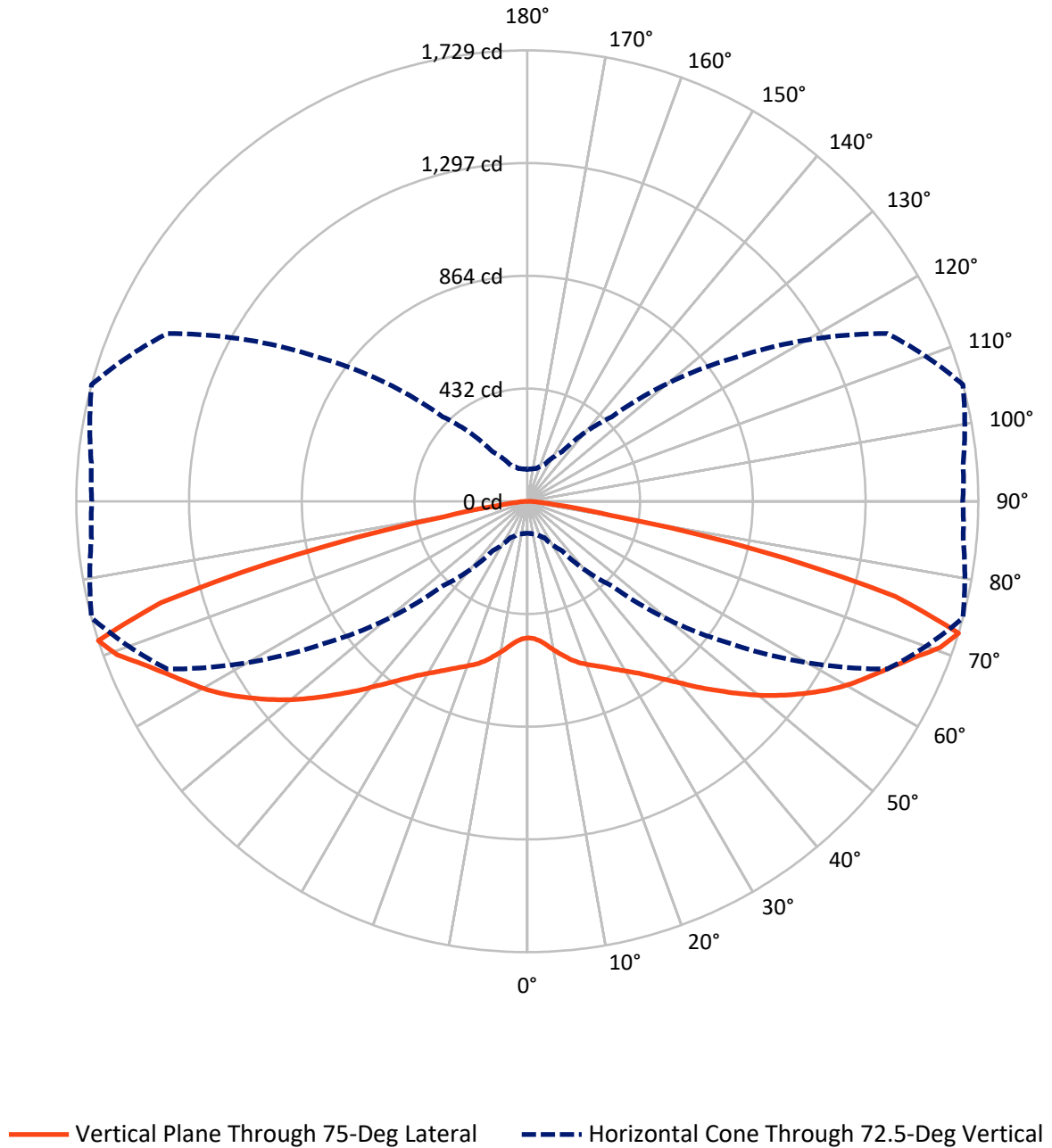
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2444.5	0.0	2444.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2444.5	0.0	2444.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4889.0	0.0	4889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.0
10°-20°	169.2	3.5
20°-30°	326.9	6.7
30°-40°	552.1	11.3
40°-50°	875.5	17.9
50°-60°	1172.2	24.0
60°-70°	1115.6	22.8
70°-80°	582.1	11.9
80°-90°	44.1	0.9
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°	4889.0	100.0
0°-180°	4889.0	100.0

Coefficient of Utilization



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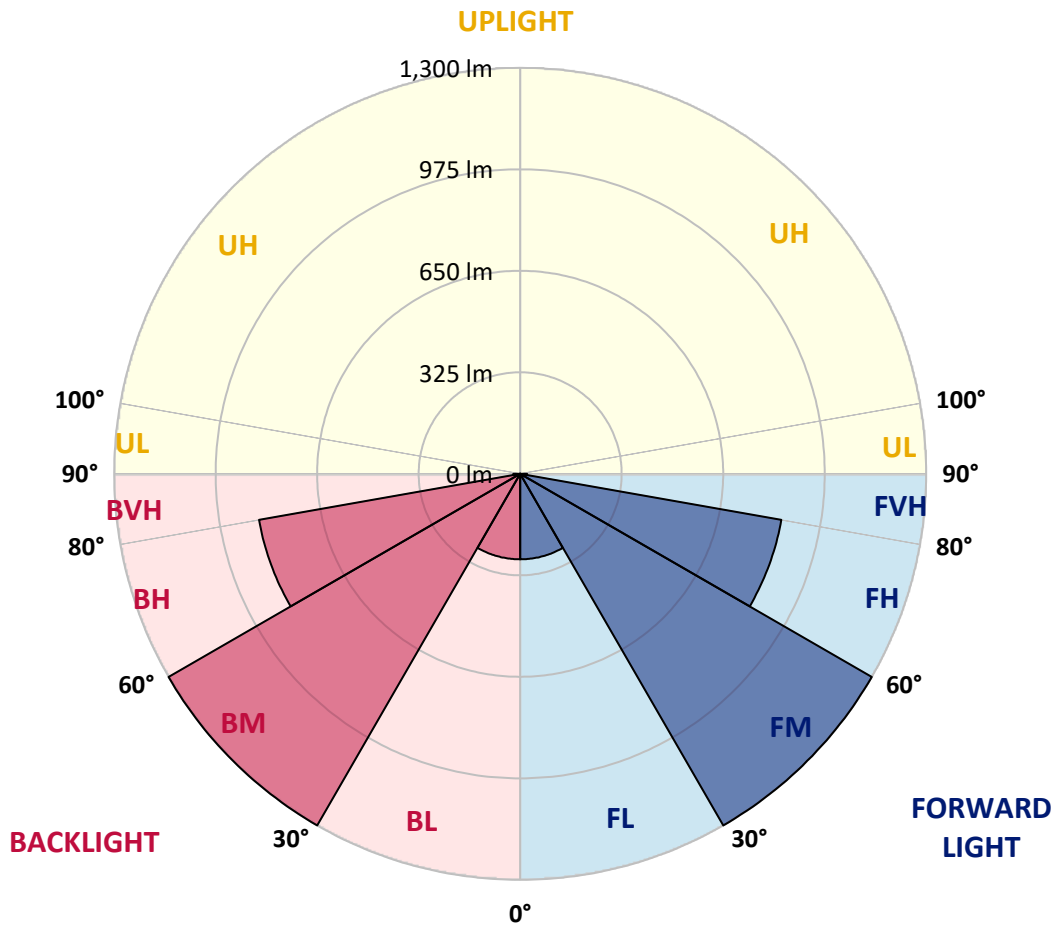
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.7	5.6			
FM (30°-60°)	1299.9	26.6			
FH (60°-80°)	848.8	17.4			G1/1800
FVH (80°-90°)	22.0	0.5			G1/100
BL (0°-30°)	273.7	5.6	B1/500		
BM (30°-60°)	1299.9	26.6	B2/2500		
BH (60°-80°)	848.8	17.4	B2/1000		G2/1000
BVH (80°-90°)	22.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7	523.7
2.5°	523.7	523.2	523.7	524.2	523.9	523.9	525.2	525.9	527.4	527.2
5°	520.2	520.0	522.0	524.2	525.9	528.9	532.7	535.4	538.9	539.7
7.5°	518.5	517.7	521.2	525.2	530.7	538.2	545.4	552.9	558.9	560.9
10°	519.7	520.0	524.7	532.2	540.9	551.4	561.6	574.4	582.9	584.9
12.5°	525.4	524.9	532.9	544.9	556.9	570.1	582.1	596.1	605.3	610.1
15°	535.9	534.9	546.2	563.9	581.4	596.8	606.6	619.8	630.5	636.5
17.5°	548.4	548.9	563.6	586.6	609.6	627.0	636.3	643.0	651.3	656.5
20°	570.4	571.4	587.9	615.1	641.3	661.2	668.7	666.2	668.5	672.5
22.5°	599.8	600.3	618.8	648.3	675.7	697.7	702.7	692.4	686.2	688.9
25°	634.0	637.3	655.7	686.0	714.2	735.1	737.4	721.9	706.4	707.2
27.5°	675.7	678.7	697.4	727.4	756.1	774.3	774.1	753.3	730.6	724.9
30°	720.9	724.1	743.4	774.3	801.0	817.0	813.5	788.8	756.3	745.6
32.5°	774.6	776.6	796.0	827.0	851.7	864.4	857.2	826.7	786.3	774.1
35°	839.5	842.5	856.9	886.1	907.9	918.3	906.1	870.2	824.7	811.0
37.5°	913.6	911.6	928.1	954.0	972.0	978.5	961.8	919.1	868.7	852.4
40°	991.0	990.0	1008.0	1032.9	1042.7	1046.6	1021.9	975.3	919.3	901.9
42.5°	1061.1	1060.4	1084.6	1112.3	1124.0	1119.5	1088.3	1034.9	978.0	958.0
45°	1117.3	1116.3	1146.0	1184.9	1207.9	1200.4	1158.5	1100.8	1037.4	1016.7
47.5°	1160.5	1161.0	1192.9	1241.1	1281.3	1284.0	1230.1	1168.0	1102.8	1079.3
50°	1191.7	1193.2	1227.4	1280.8	1335.7	1359.9	1303.3	1236.9	1170.5	1144.0
52.5°	1199.4	1202.2	1243.3	1306.0	1370.7	1416.8	1377.6	1303.0	1234.6	1209.4
55°	1158.2	1163.7	1215.9	1304.0	1392.1	1454.3	1443.0	1370.2	1299.3	1273.3
57.5°	1063.6	1071.4	1132.3	1247.3	1387.4	1480.0	1493.7	1434.6	1363.9	1339.0
60°	931.1	940.3	998.7	1124.3	1320.5	1489.5	1529.4	1497.2	1423.3	1399.1
62.5°	731.1	743.1	813.0	960.3	1179.2	1445.3	1559.9	1553.9	1476.7	1446.5
65°	469.0	481.8	555.4	729.4	990.7	1310.0	1569.4	1609.0	1533.2	1491.0
67.5°	282.8	288.6	325.0	442.1	724.1	1106.1	1489.0	1670.2	1599.1	1546.6
70°	181.0	184.2	205.9	259.6	409.4	807.0	1289.8	1681.7	1678.9	1603.8
72.5°	122.8	123.8	129.6	153.8	231.6	458.5	951.3	1522.4	1728.9	1677.4
75°	89.9	95.4	104.6	108.8	131.5	229.1	545.2	1069.6	1457.0	1479.5
77.5°	66.9	67.1	79.9	84.9	93.9	122.1	230.6	597.1	904.6	949.8
80°	56.7	53.7	53.4	68.4	70.6	76.1	103.1	206.2	324.0	196.4
82.5°	47.2	43.9	39.7	53.4	48.2	46.7	44.7	83.9	103.1	50.7
85°	32.9	31.5	30.0	34.9	27.5	23.5	21.5	39.2	43.4	21.5
87.5°	14.2	14.7	15.0	15.5	11.5	8.2	8.2	11.0	11.0	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
523.7
526.9
539.7
561.4
586.9
612.1
638.8
659.0
675.5
690.9
708.4
726.6
746.9
777.1
813.0
855.4
907.6
963.0
1021.4
1086.3
1152.0
1215.9
1280.5
1344.7
1404.4
1450.0
1496.2
1550.6
1603.3
1669.4
1425.1
847.2
148.5
43.2
19.0
6.2
0.0

OF REPORT)