

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: P945002

Luminaire Tested: **GALN-SB1A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945002
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152 lumens
Efficiency: N/A
Efficacy: 134.4 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

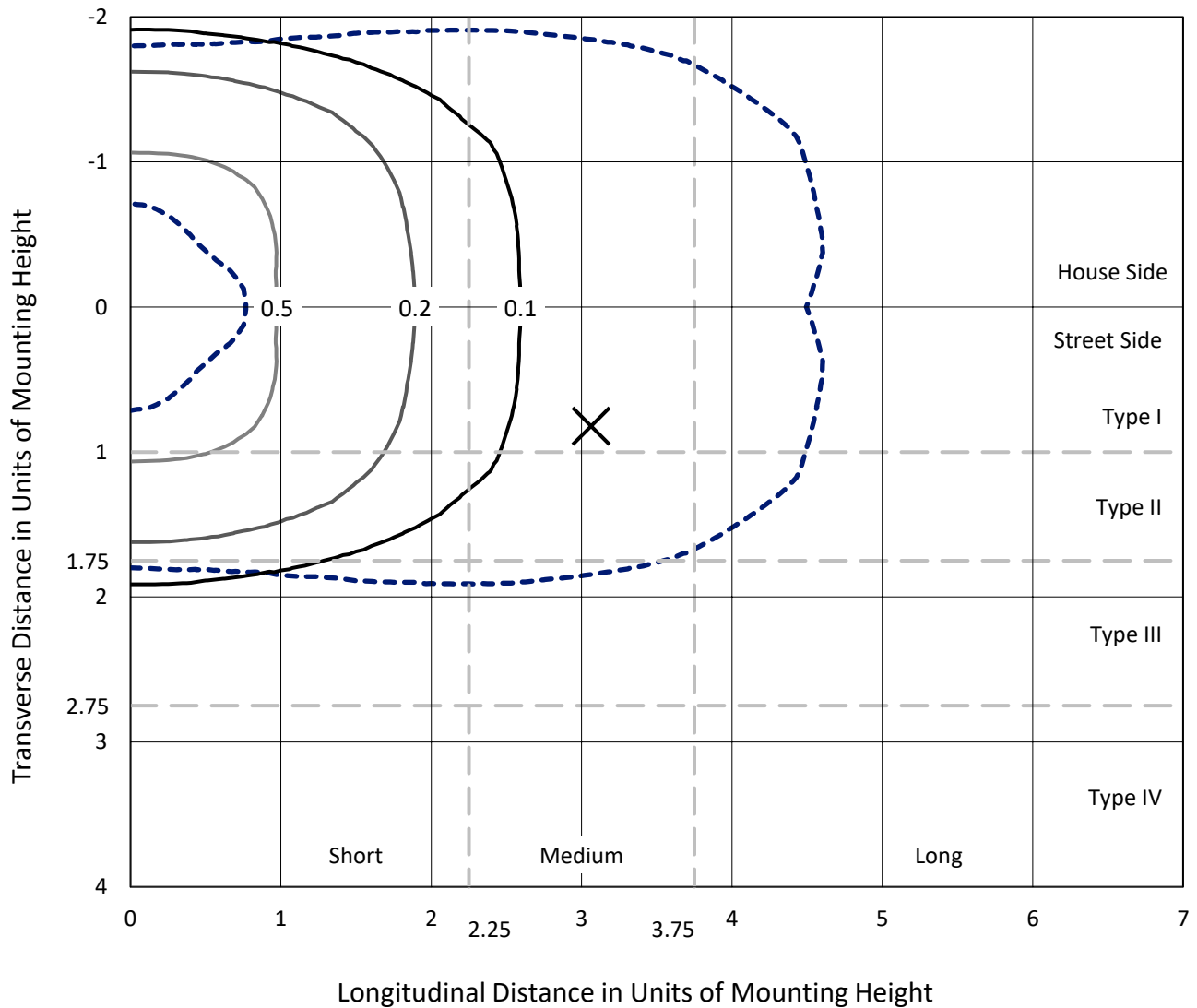
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

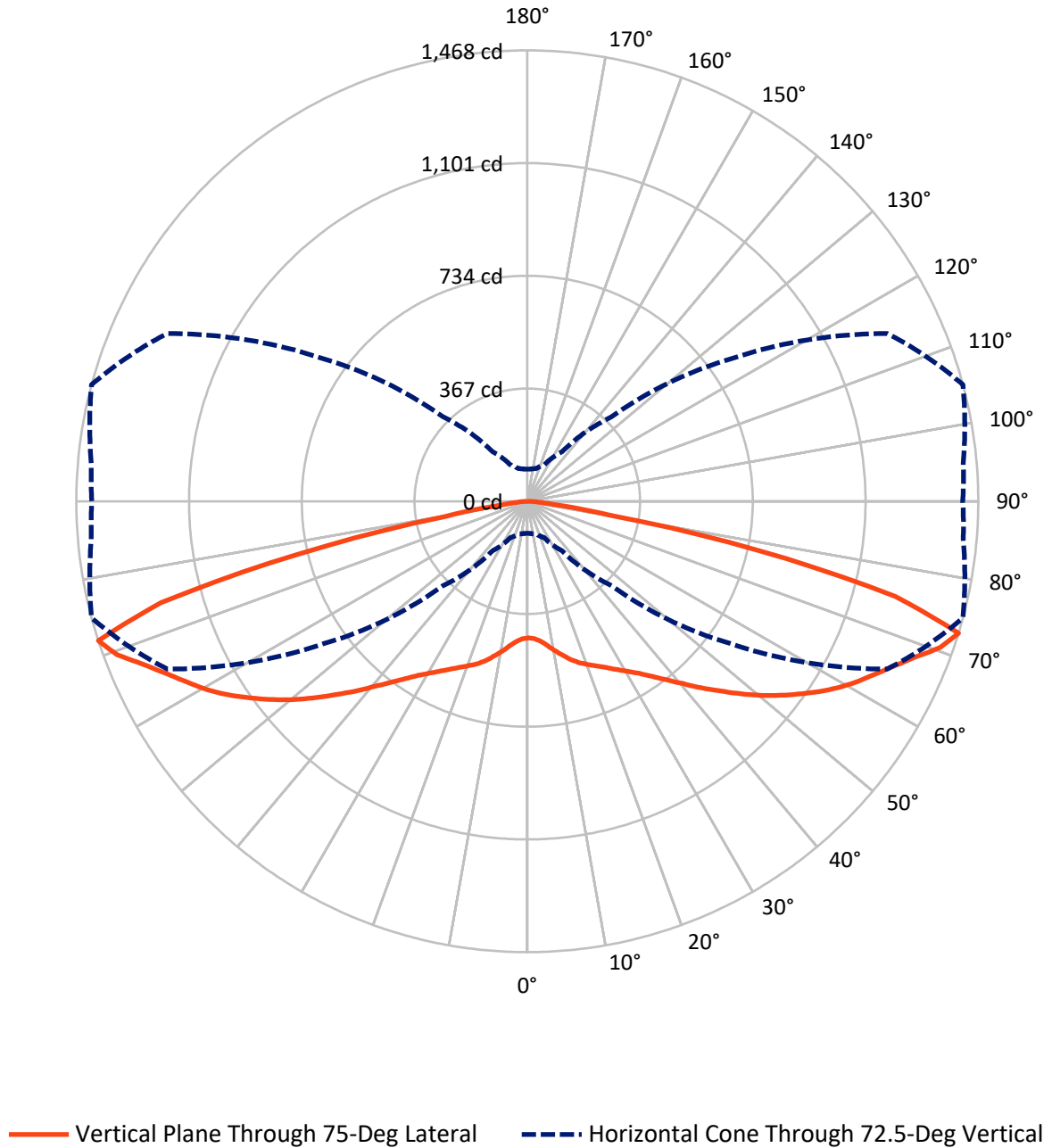
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2076.0	0.0	2076.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2076.0	0.0	2076.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4152.0	0.0	4152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.0
10°-20°	143.7	3.5
20°-30°	277.7	6.7
30°-40°	468.8	11.3
40°-50°	743.5	17.9
50°-60°	995.5	24.0
60°-70°	947.4	22.8
70°-80°	494.4	11.9
80°-90°	37.4	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°	4152.0	100.0
0°-180°	4152.0	100.0

Coefficient of Utilization



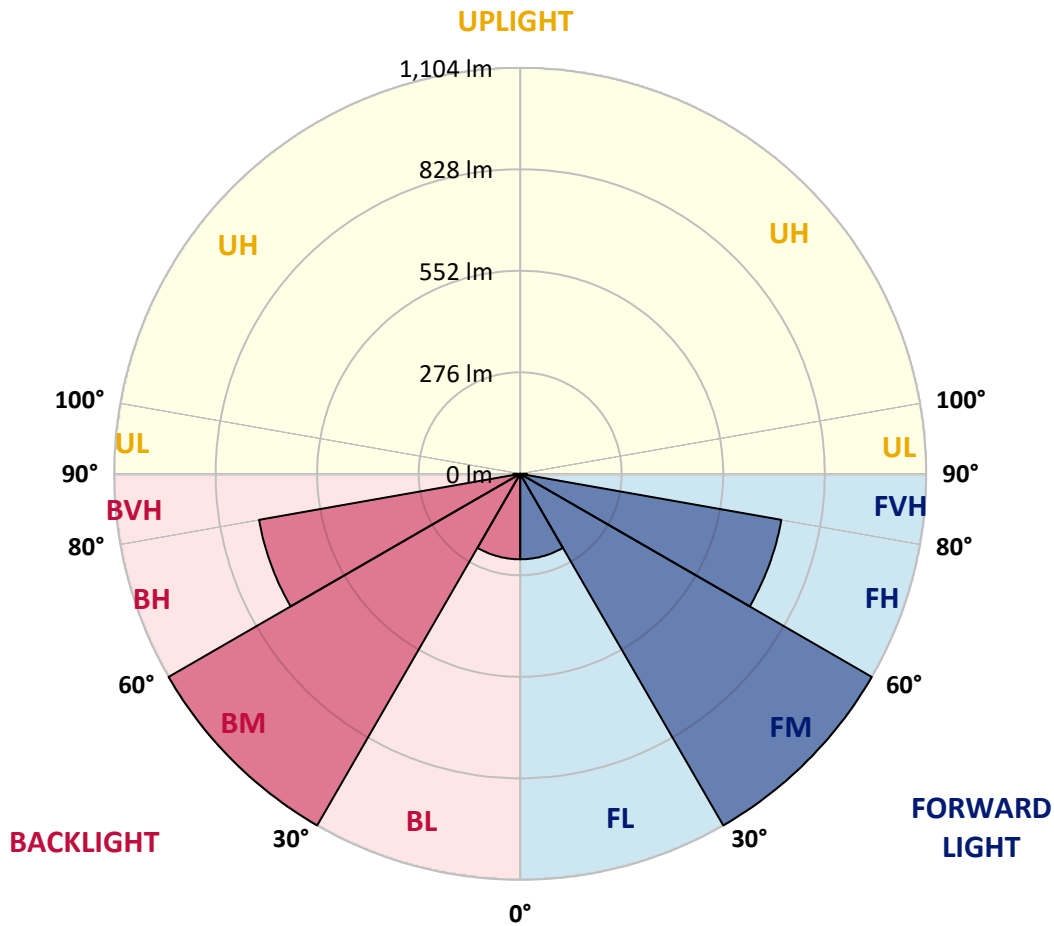
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.5	5.6			
FM (30°-60°)	1103.9	26.6			
FH (60°-80°)	720.9	17.4			G1/1800
FVH (80°-90°)	18.7	0.5			G1/100
BL (0°-30°)	232.5	5.6	B1/500		
BM (30°-60°)	1103.9	26.6	B2/2500		
BH (60°-80°)	720.9	17.4	B2/1000		G2/1000
BVH (80°-90°)	18.7	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°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	444.8	444.3	444.8	445.2	445.0	445.0	446.0	446.7	447.9	447.7
5°	441.8	441.6	443.3	445.2	446.7	449.2	452.4	454.7	457.7	458.3
7.5°	440.3	439.7	442.6	446.0	450.7	457.0	463.2	469.6	474.6	476.3
10°	441.4	441.6	445.6	452.0	459.4	468.3	477.0	487.8	495.0	496.7
12.5°	446.2	445.8	452.6	462.8	472.9	484.2	494.4	506.2	514.1	518.1
15°	455.1	454.3	463.8	478.9	493.7	506.9	515.1	526.4	535.5	540.6
17.5°	465.7	466.2	478.7	498.2	517.7	532.5	540.4	546.1	553.1	557.5
20°	484.4	485.2	499.2	522.3	544.6	561.6	567.9	565.8	567.7	571.1
22.5°	509.4	509.8	525.5	550.5	573.9	592.5	596.7	588.1	582.8	585.1
25°	538.5	541.2	556.9	582.5	606.5	624.3	626.2	613.1	599.9	600.6
27.5°	573.9	576.4	592.3	617.7	642.1	657.6	657.4	639.8	620.5	615.6
30°	612.2	615.0	631.3	657.6	680.3	693.8	690.9	669.9	642.3	633.2
32.5°	657.8	659.5	676.0	702.3	723.3	734.1	728.0	702.1	667.8	657.4
35°	712.9	715.5	727.8	752.6	771.0	779.9	769.5	739.0	700.4	688.8
37.5°	775.9	774.2	788.2	810.2	825.5	831.0	816.8	780.5	737.7	723.9
40°	841.6	840.7	856.0	877.2	885.5	888.9	867.9	828.2	780.8	765.9
42.5°	901.2	900.5	921.1	944.6	954.6	950.8	924.3	878.9	830.6	813.6
45°	948.9	948.0	973.2	1006.3	1025.8	1019.5	983.8	934.9	881.0	863.4
47.5°	985.5	986.0	1013.1	1054.0	1088.1	1090.5	1044.7	991.9	936.6	916.6
50°	1012.0	1013.3	1042.4	1087.7	1134.4	1154.9	1106.8	1050.4	994.0	971.5
52.5°	1018.6	1020.9	1055.9	1109.1	1164.0	1203.3	1170.0	1106.6	1048.5	1027.1
55°	983.6	988.3	1032.6	1107.4	1182.3	1235.0	1225.5	1163.6	1103.4	1081.4
57.5°	903.3	909.9	961.6	1059.3	1178.2	1256.9	1268.5	1218.3	1158.3	1137.1
60°	790.7	798.6	848.2	954.8	1121.4	1264.9	1298.9	1271.5	1208.8	1188.2
62.5°	620.9	631.1	690.4	815.5	1001.4	1227.4	1324.7	1319.6	1254.1	1228.5
65°	398.3	409.1	471.7	619.4	841.4	1112.5	1332.8	1366.5	1302.0	1266.2
67.5°	240.2	245.1	276.0	375.4	615.0	939.3	1264.5	1418.4	1358.0	1313.5
70°	153.7	156.4	174.9	220.5	347.7	685.4	1095.3	1428.2	1425.8	1362.0
72.5°	104.3	105.1	110.0	130.6	196.7	389.4	807.9	1292.9	1468.2	1424.6
75°	76.3	81.0	88.8	92.4	111.7	194.6	463.0	908.4	1237.4	1256.5
77.5°	56.8	57.0	67.8	72.1	79.7	103.7	195.9	507.1	768.2	806.6
80°	48.1	45.6	45.4	58.1	60.0	64.7	87.6	175.1	275.2	166.8
82.5°	40.1	37.3	33.7	45.4	40.9	39.6	37.9	71.2	87.6	43.0
85°	28.0	26.7	25.4	29.7	23.3	19.9	18.2	33.3	36.9	18.2
87.5°	12.1	12.5	12.7	13.1	9.8	7.0	7.0	9.3	9.3	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
444.8
447.5
458.3
476.8
498.4
519.8
542.5
559.7
573.6
586.8
601.6
617.1
634.3
659.9
690.4
726.5
770.8
817.9
867.5
922.6
978.3
1032.6
1087.5
1142.0
1192.7
1231.4
1270.7
1316.9
1361.6
1417.8
1210.2
719.5
126.1
36.7
16.1
5.3
0.0

OF REPORT)