

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: P945170

Luminaire Tested: **GALN-SB1A-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945170
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-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3214 lumens
Efficiency: N/A
Efficacy: 104.0 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

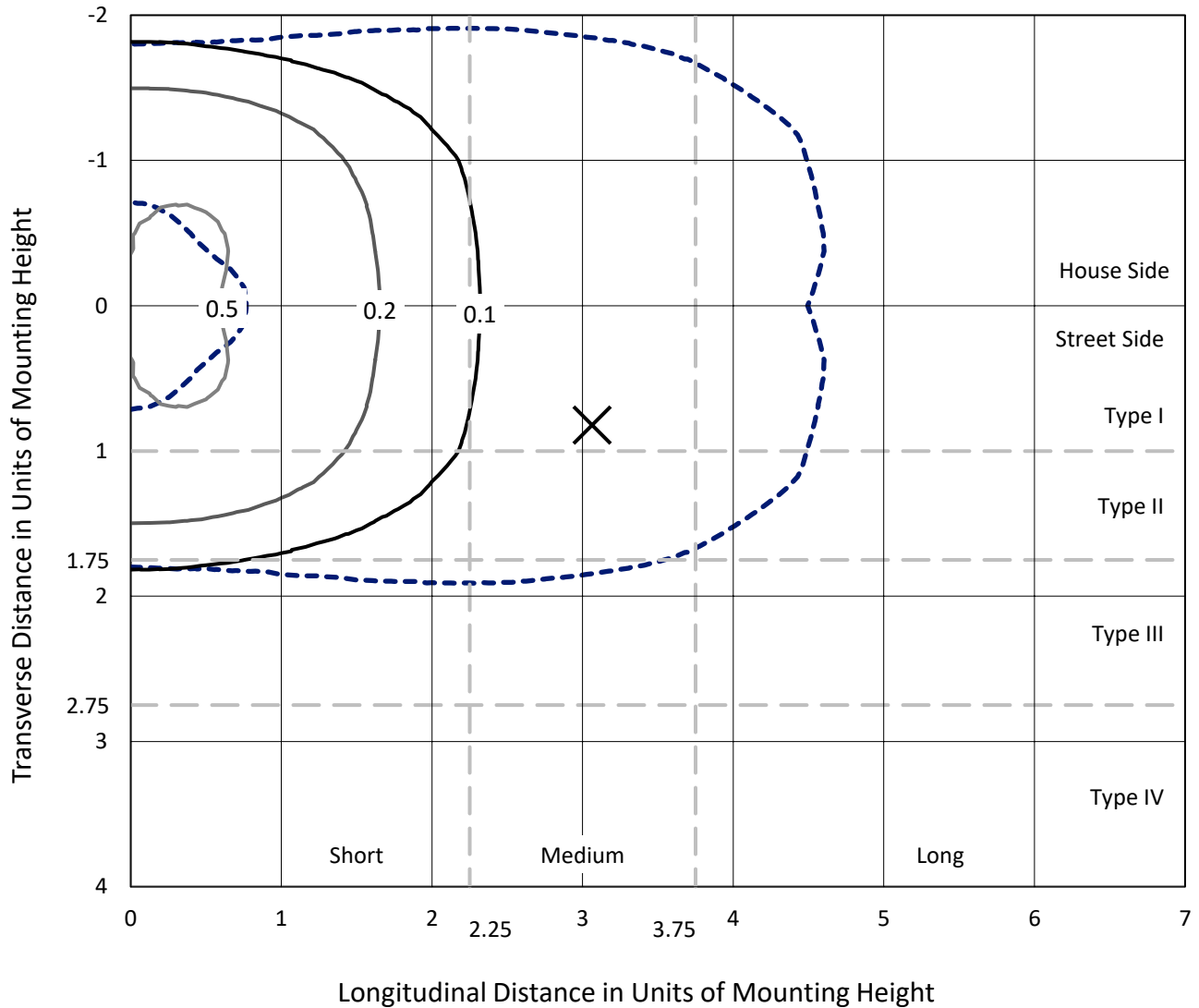
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

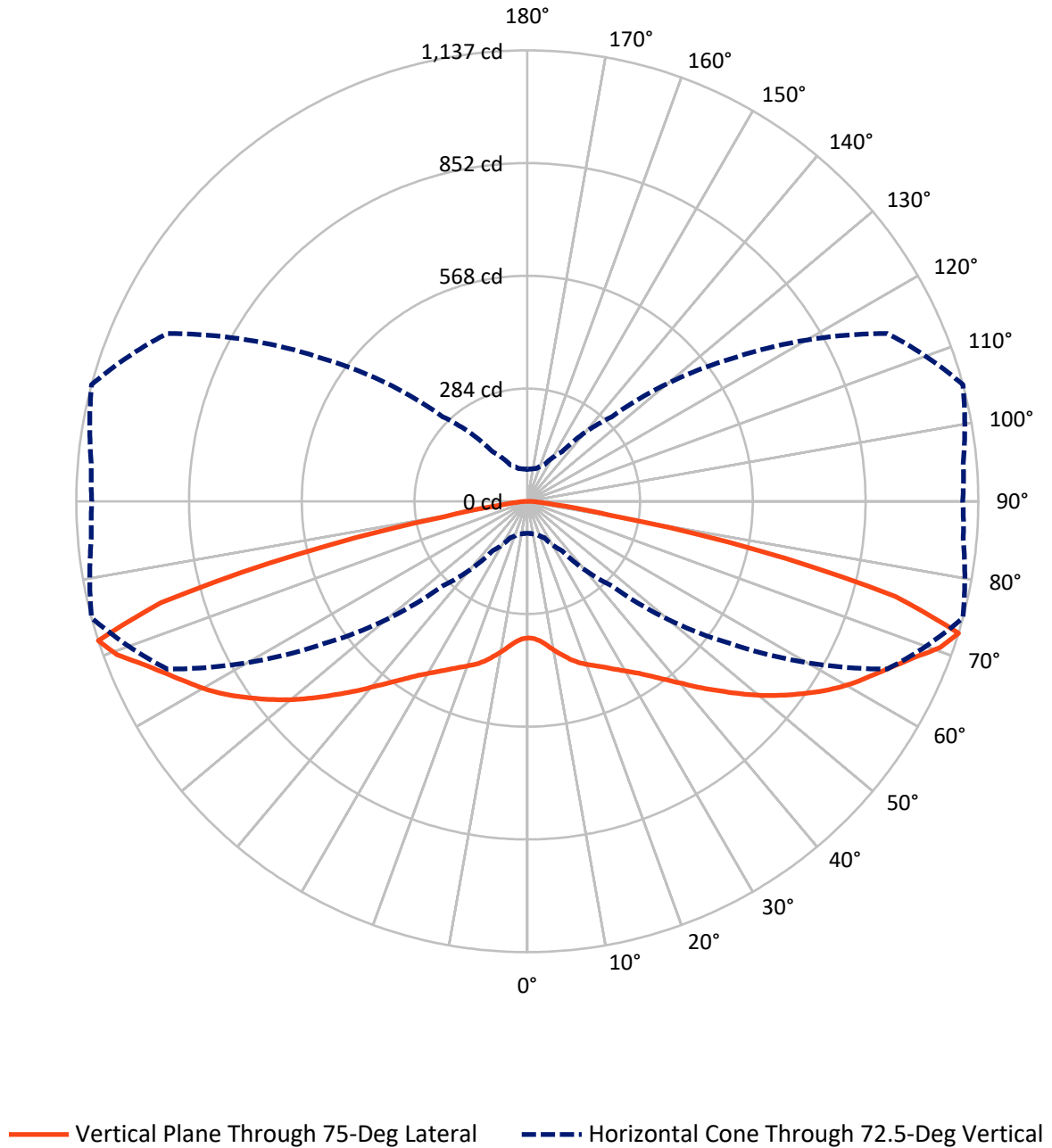
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	1607.0	0.0	1607.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1607.0	0.0	1607.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3214.0	0.0	3214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	1.0
10°-20°	111.2	3.5
20°-30°	214.9	6.7
30°-40°	362.9	11.3
40°-50°	575.6	17.9
50°-60°	770.6	24.0
60°-70°	733.4	22.8
70°-80°	382.7	11.9
80°-90°	29.0	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°	3214.0	100.0
0°-180°	3214.0	100.0

Coefficient of Utilization



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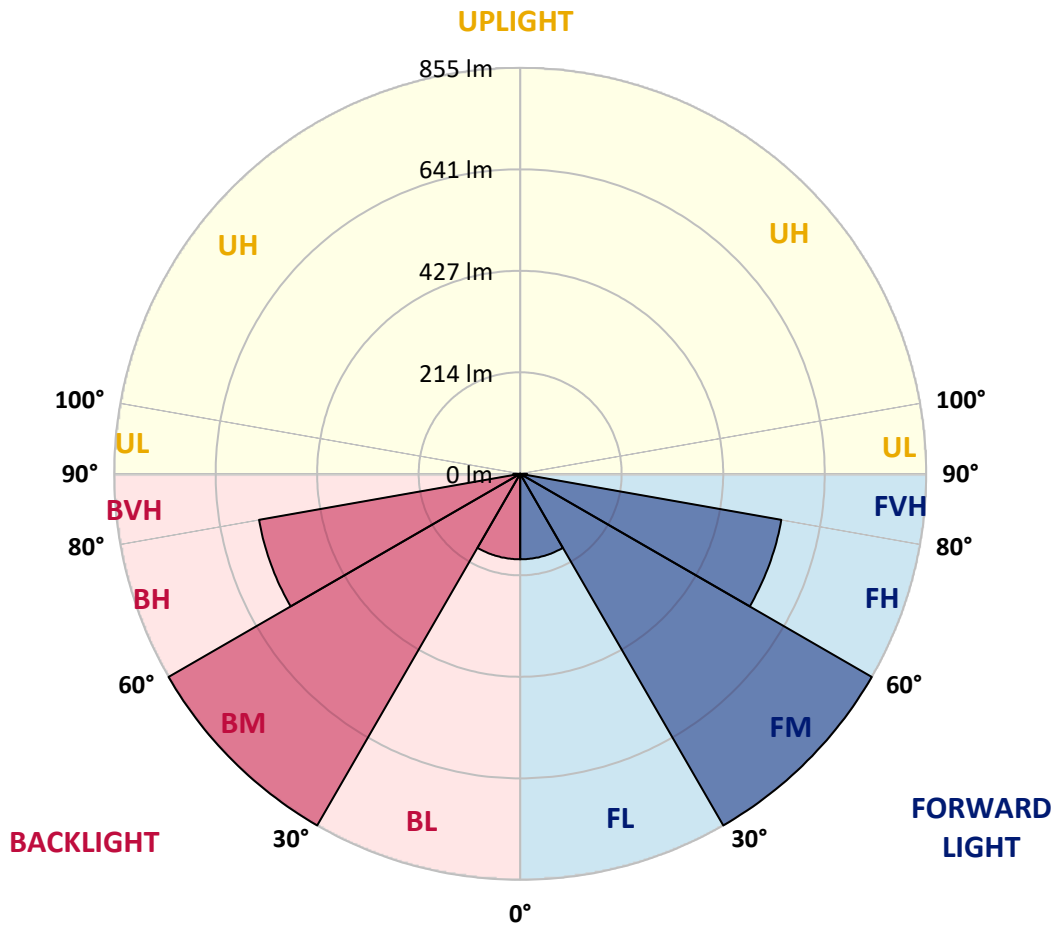
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.9	5.6			
FM (30°-60°)	854.5	26.6			
FH (60°-80°)	558.0	17.4			G0/660
FVH (80°-90°)	14.5	0.5			G1/100
BL (0°-30°)	179.9	5.6	B1/500		
BM (30°-60°)	854.5	26.6	B1/1000		
BH (60°-80°)	558.0	17.4	B2/1000		G2/1000
BVH (80°-90°)	14.5	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°	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3
2.5°	344.3	343.9	344.3	344.6	344.4	344.4	345.3	345.8	346.7	346.6
5°	342.0	341.8	343.1	344.6	345.8	347.7	350.2	352.0	354.3	354.8
7.5°	340.8	340.3	342.6	345.3	348.9	353.8	358.6	363.5	367.4	368.7
10°	341.7	341.8	344.9	349.9	355.6	362.5	369.2	377.6	383.2	384.5
12.5°	345.4	345.1	350.3	358.2	366.1	374.8	382.7	391.9	397.9	401.1
15°	352.3	351.7	359.0	370.7	382.2	392.4	398.8	407.5	414.5	418.4
17.5°	360.5	360.9	370.5	385.6	400.7	412.2	418.3	422.7	428.1	431.6
20°	375.0	375.6	386.5	404.3	421.6	434.7	439.6	438.0	439.5	442.1
22.5°	394.3	394.7	406.8	426.2	444.2	458.7	461.9	455.2	451.1	452.9
25°	416.8	418.9	431.1	450.9	469.5	483.3	484.7	474.6	464.4	464.9
27.5°	444.2	446.2	458.5	478.2	497.1	509.0	508.9	495.2	480.3	476.5
30°	473.9	476.0	488.7	509.0	526.6	537.1	534.8	518.5	497.2	490.2
32.5°	509.2	510.5	523.3	543.7	559.9	568.3	563.5	543.5	516.9	508.9
35°	551.9	553.8	563.3	582.5	596.8	603.7	595.7	572.0	542.2	533.2
37.5°	600.6	599.3	610.1	627.2	639.0	643.3	632.3	604.2	571.1	560.4
40°	651.5	650.8	662.6	679.0	685.4	688.1	671.8	641.1	604.4	592.9
42.5°	697.6	697.1	713.0	731.2	738.9	736.0	715.5	680.3	642.9	629.8
45°	734.5	733.8	753.4	779.0	794.1	789.1	761.6	723.7	682.0	668.4
47.5°	762.9	763.2	784.2	815.9	842.3	844.1	808.7	767.8	725.0	709.6
50°	783.4	784.4	806.9	842.0	878.1	894.0	856.8	813.1	769.5	752.1
52.5°	788.5	790.3	817.4	858.6	901.1	931.4	905.7	856.6	811.6	795.1
55°	761.4	765.0	799.3	857.2	915.2	956.0	948.6	900.7	854.1	837.1
57.5°	699.2	704.3	744.3	820.0	912.1	972.9	982.0	943.1	896.6	880.2
60°	612.1	618.2	656.6	739.1	868.1	979.2	1005.4	984.3	935.7	919.8
62.5°	480.6	488.5	534.5	631.3	775.2	950.1	1025.4	1021.5	970.8	950.9
65°	308.3	316.7	365.1	479.5	651.3	861.2	1031.7	1057.8	1007.9	980.2
67.5°	185.9	189.7	213.7	290.6	476.0	727.1	978.8	1098.0	1051.2	1016.7
70°	119.0	121.1	135.4	170.7	269.1	530.5	847.9	1105.5	1103.7	1054.3
72.5°	80.7	81.4	85.2	101.1	152.3	301.4	625.4	1000.8	1136.5	1102.7
75°	59.1	62.7	68.8	71.5	86.5	150.6	358.4	703.2	957.8	972.6
77.5°	44.0	44.1	52.5	55.8	61.7	80.2	151.6	392.5	594.7	624.4
80°	37.3	35.3	35.1	45.0	46.4	50.0	67.8	135.5	213.0	129.1
82.5°	31.0	28.9	26.1	35.1	31.7	30.7	29.4	55.1	67.8	33.3
85°	21.7	20.7	19.7	23.0	18.1	15.4	14.1	25.8	28.6	14.1
87.5°	9.4	9.7	9.8	10.2	7.5	5.4	5.4	7.2	7.2	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
344.3
346.4
354.8
369.1
385.8
402.4
419.9
433.2
444.0
454.2
465.7
477.7
491.0
510.8
534.5
562.4
596.7
633.1
671.5
714.2
757.3
799.3
841.8
884.0
923.2
953.2
983.6
1019.4
1054.0
1097.5
936.8
556.9
97.6
28.4
12.5
4.1
0.0

OF REPORT)