

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: P938720

Luminaire Tested: **GALN-SB1A-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938720
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-SB1A-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4210 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

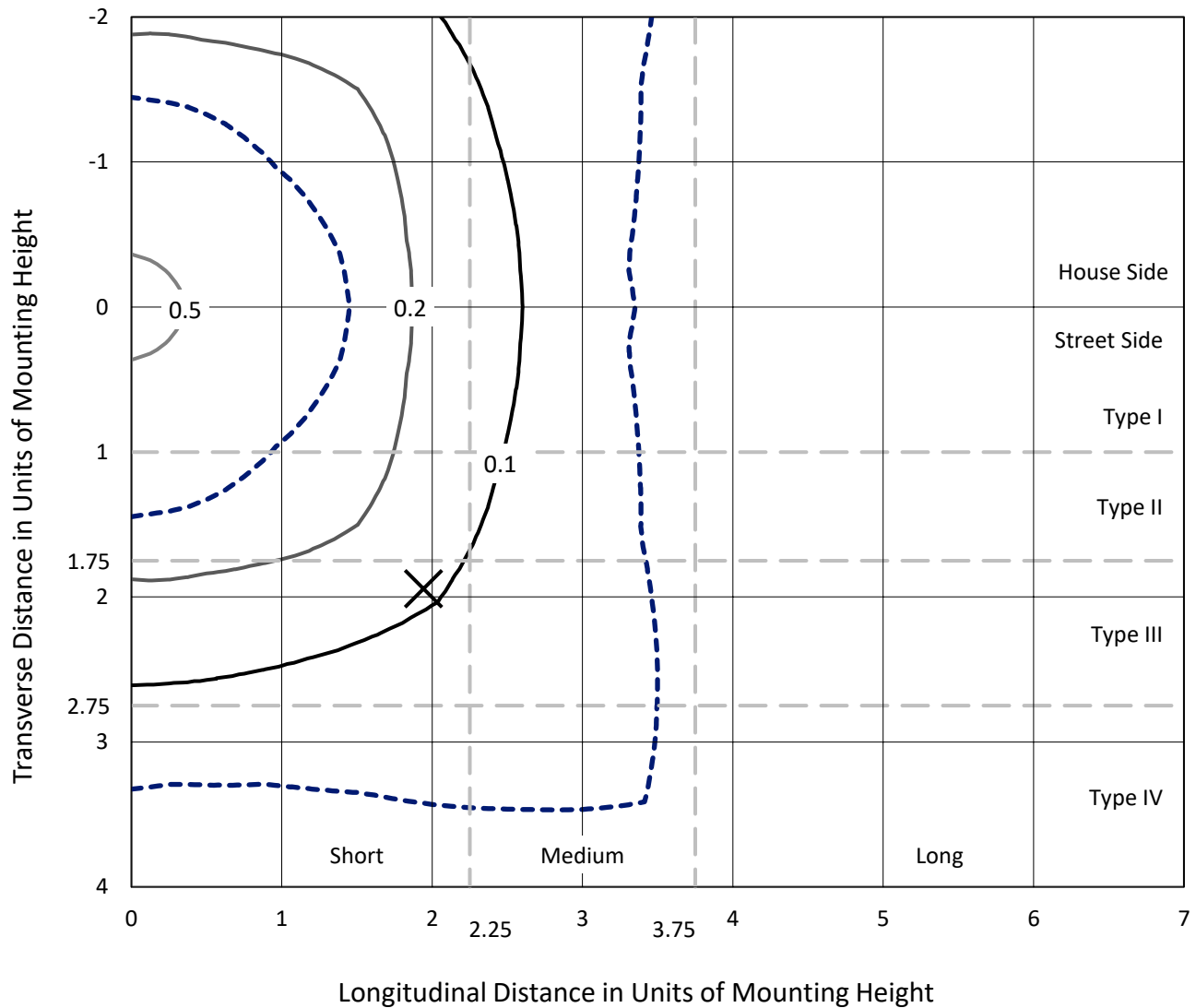


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Iso-Footcandle Lines of Horizontal Illumination

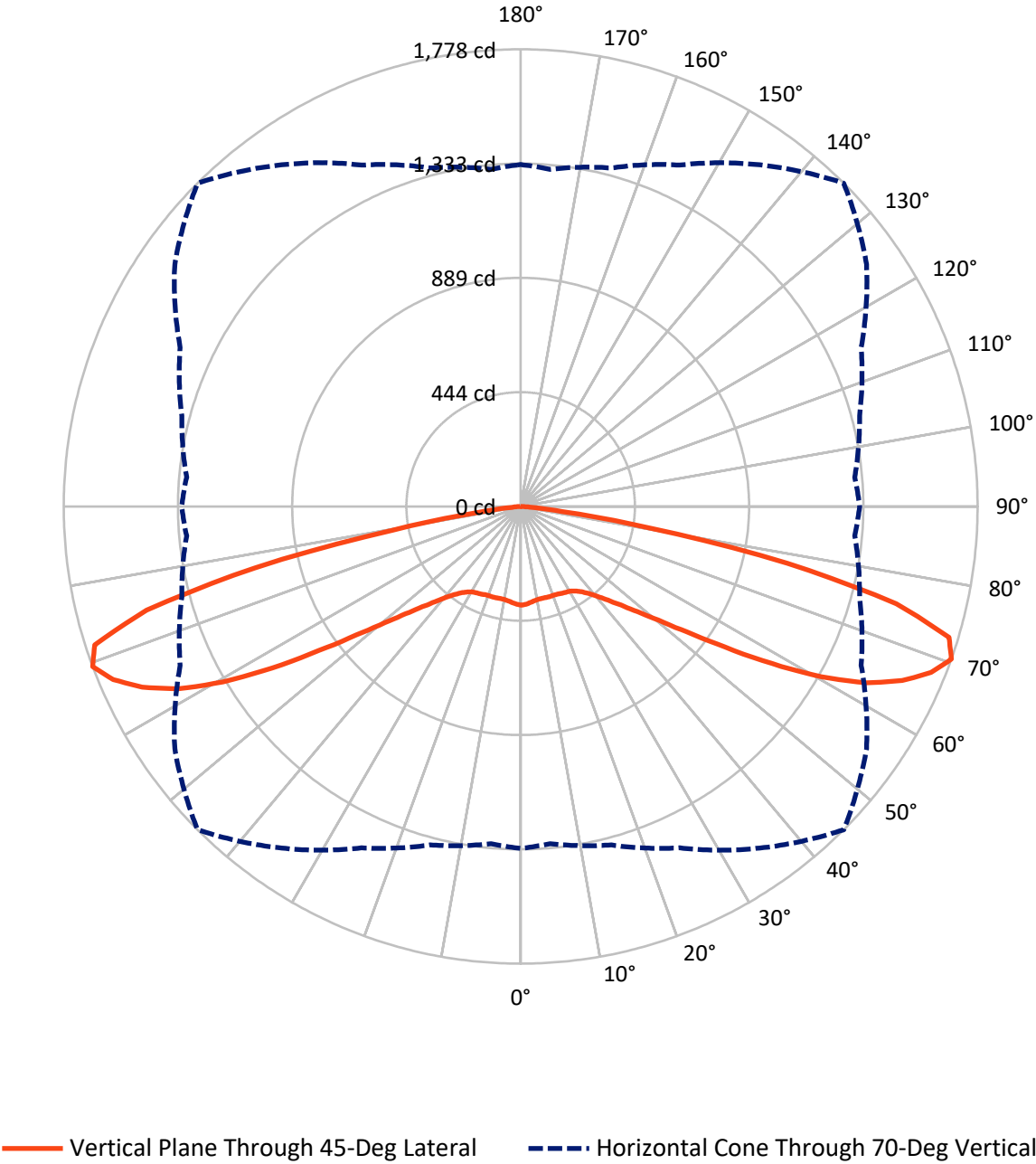
✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2105.0	0.0	2105.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2105.0	0.0	2105.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4210.0	0.0	4210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	0.8
10°-20°	104.9	2.5
20°-30°	174.6	4.1
30°-40°	264.0	6.3
40°-50°	438.7	10.4
50°-60°	827.8	19.7
60°-70°	1397.8	33.2
70°-80°	918.5	21.8
80°-90°	48.1	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°	4210.0	100.0
0°-180°	4210.0	100.0

Coefficient of Utilization



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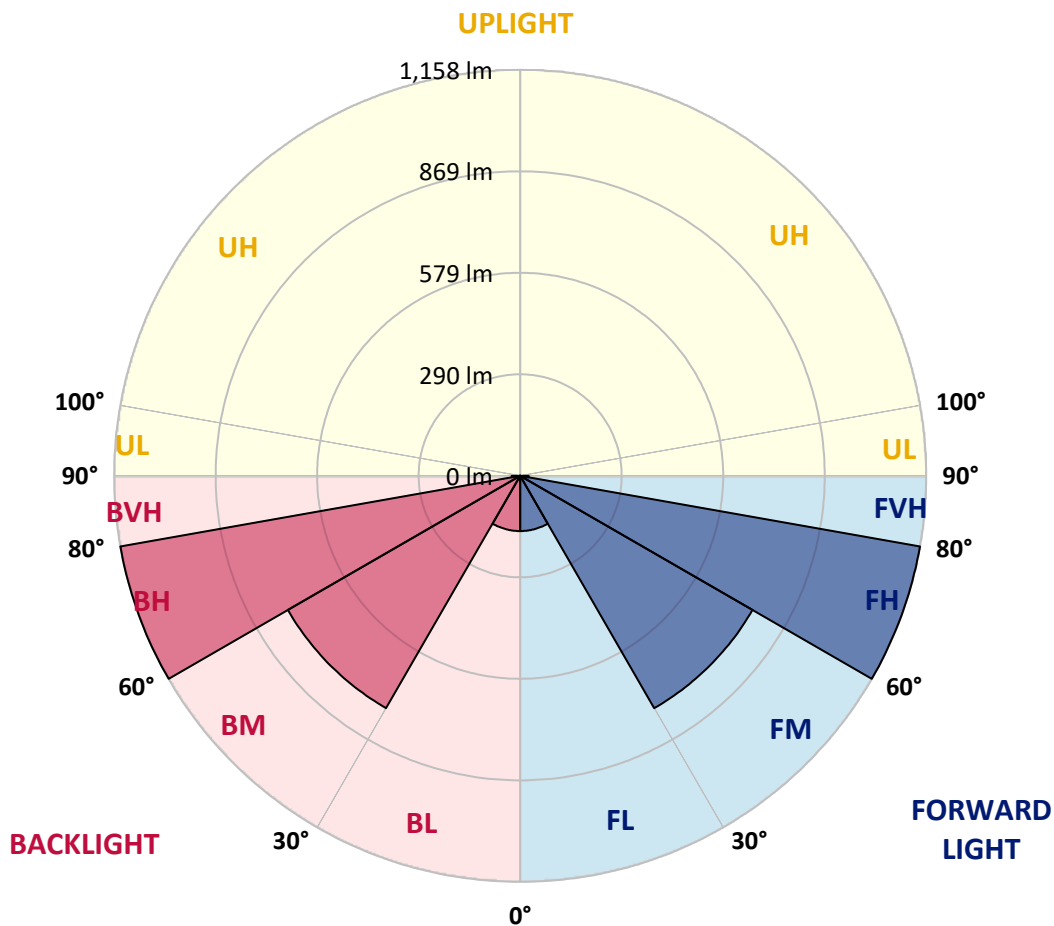
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.6	3.7			
FM	(30°-60°)	765.2	18.2			
FH	(60°-80°)	1158.1	27.5			G1/1800
FVH	(80°-90°)	24.1	0.6			G1/100
BL	(0°-30°)	157.6	3.7	B1/500		
BM	(30°-60°)	765.2	18.2	B1/1000		
BH	(60°-80°)	1158.1	27.5	B3/2500		G1/1800
BVH	(80°-90°)	24.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0
2.5°	381.6	382.7	382.3	381.4	381.4	380.8	381.4	381.8	382.5	382.9	382.7
5°	376.6	377.5	377.3	376.6	376.8	376.2	376.6	377.3	377.7	377.9	377.9
7.5°	372.2	373.1	372.7	371.6	371.6	370.9	371.1	371.8	372.4	372.7	372.7
10°	371.1	372.0	370.7	368.9	368.3	367.4	367.6	368.3	369.6	370.3	370.3
12.5°	371.6	372.2	370.9	368.3	367.6	366.7	366.7	367.4	369.2	370.0	370.3
15°	372.9	373.5	371.6	368.7	368.1	367.4	367.2	368.1	370.0	371.6	371.8
17.5°	375.3	375.9	372.9	368.9	368.1	368.3	368.1	368.7	371.8	374.6	374.6
20°	377.5	377.9	373.8	368.9	368.1	368.3	368.1	369.4	373.3	377.3	377.5
22.5°	378.1	378.6	374.6	370.5	369.8	370.0	369.8	371.1	374.8	378.8	378.8
25°	378.3	379.0	375.9	372.7	373.8	374.2	373.8	374.0	376.8	380.3	380.1
27.5°	381.6	382.5	379.7	376.8	377.5	377.3	377.9	378.6	380.8	384.3	383.4
30°	388.4	389.1	386.7	383.8	383.4	381.8	383.8	386.0	388.4	391.5	390.8
32.5°	399.6	400.9	397.8	394.8	392.8	391.9	393.4	397.2	400.4	403.7	402.4
35°	418.2	419.0	416.2	410.5	407.0	407.0	408.3	413.1	418.4	422.5	421.0
37.5°	444.4	445.5	440.5	433.7	428.5	428.5	430.2	435.2	443.1	449.0	446.8
40°	476.4	477.9	471.6	464.6	459.5	458.7	460.8	466.5	474.0	481.4	479.0
42.5°	514.9	516.6	508.3	502.2	498.3	498.3	499.4	504.6	511.4	520.6	519.9
45°	564.1	567.2	555.8	549.7	546.0	546.8	547.5	552.1	558.2	568.7	568.3
47.5°	622.8	625.8	613.8	607.5	606.8	611.0	608.3	611.6	614.9	626.9	623.4
50°	689.3	694.5	686.2	685.8	687.1	694.8	688.6	690.4	686.7	694.3	689.7
52.5°	770.7	778.4	776.8	779.5	794.1	809.9	795.9	789.7	775.7	778.1	770.0
55°	869.4	881.0	883.2	898.9	932.2	964.4	934.6	909.9	880.1	874.6	866.1
57.5°	981.6	990.8	1001.3	1033.5	1095.7	1152.8	1095.7	1040.9	994.1	983.0	975.1
60°	1102.4	1113.8	1123.9	1171.4	1263.7	1344.0	1262.0	1175.1	1113.2	1098.1	1084.9
62.5°	1232.2	1246.9	1253.9	1306.6	1414.3	1510.1	1415.8	1310.5	1241.8	1225.6	1212.5
65°	1356.7	1368.7	1376.6	1432.9	1535.7	1631.8	1542.7	1439.0	1368.3	1347.1	1336.6
67.5°	1414.7	1421.3	1440.5	1504.2	1612.7	1722.4	1631.1	1511.0	1432.0	1394.8	1395.2
70°	1329.8	1316.4	1362.8	1464.8	1621.9	1777.9	1642.9	1461.7	1365.0	1304.6	1319.1
72.5°	1027.6	1004.6	1085.2	1259.6	1516.9	1742.5	1527.4	1269.4	1135.3	1012.7	1043.1
75°	559.1	533.1	644.2	864.8	1209.7	1510.3	1237.5	889.5	717.3	554.9	591.0
77.5°	157.8	147.9	237.6	418.4	727.6	1060.4	755.6	427.6	281.8	167.2	185.8
80°	48.4	46.8	63.5	126.0	309.0	507.9	296.9	127.6	80.7	51.0	53.8
82.5°	28.7	26.3	31.5	46.0	78.8	159.5	76.6	47.9	38.5	25.8	28.0
85°	16.4	15.3	18.6	22.3	26.5	33.9	22.1	22.8	20.6	13.8	14.4
87.5°	6.8	6.1	7.2	7.0	6.1	7.9	5.9	7.0	8.3	5.5	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)