

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: P938890

Luminaire Tested: **GALN-SB1B-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938890
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-SB1B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5285 lumens
Efficiency: N/A
Efficacy: 132.8 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): 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



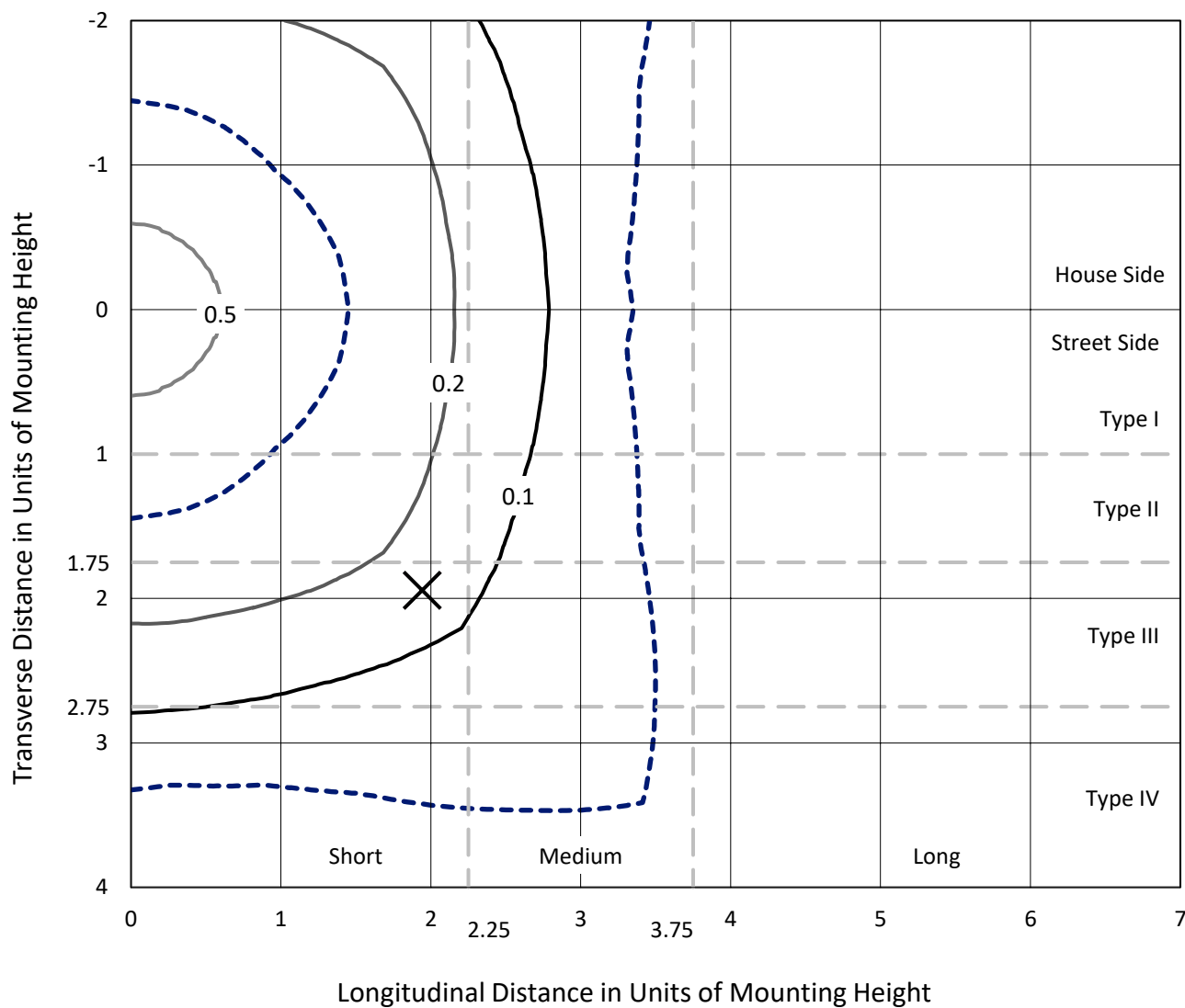
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



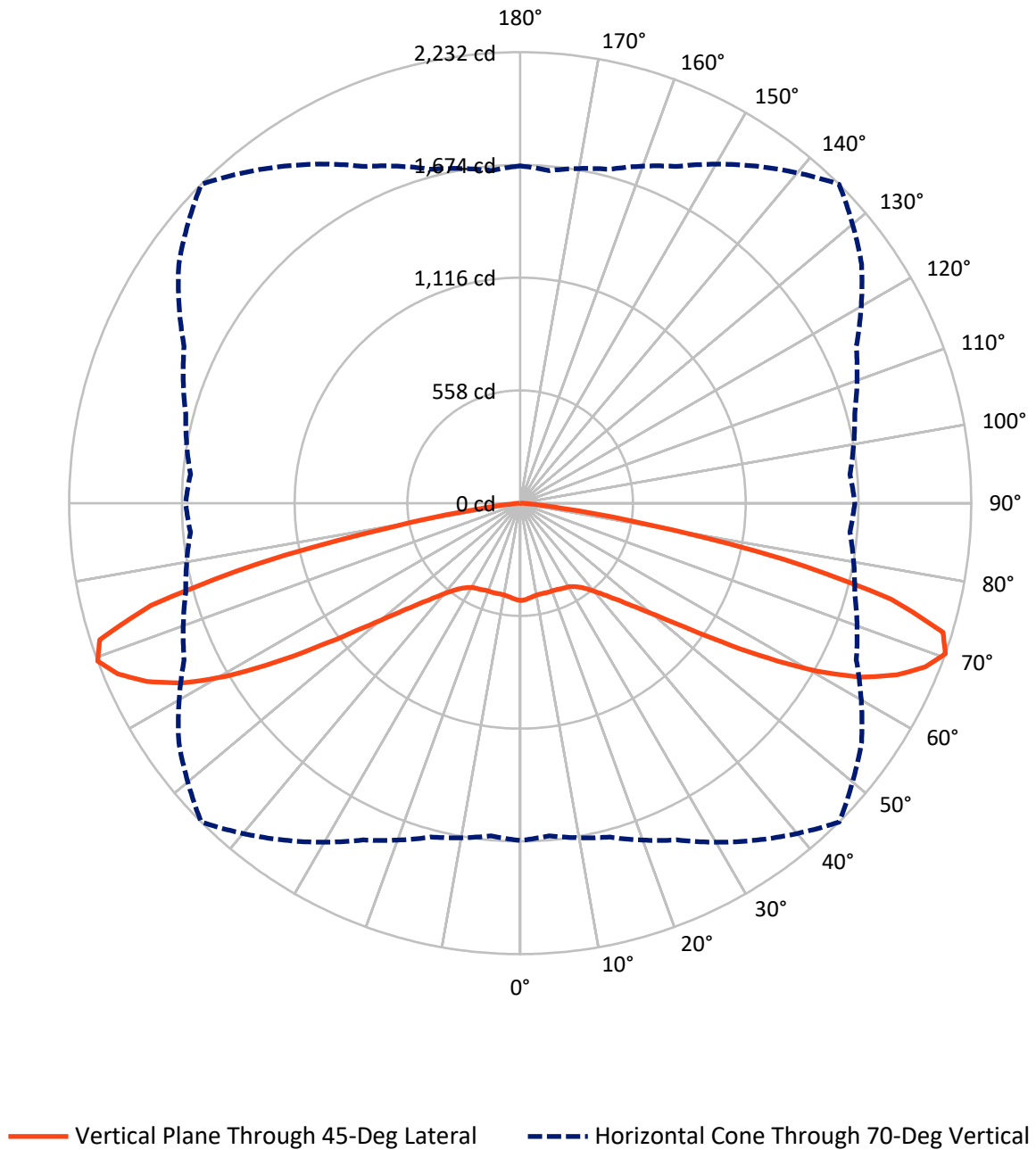
Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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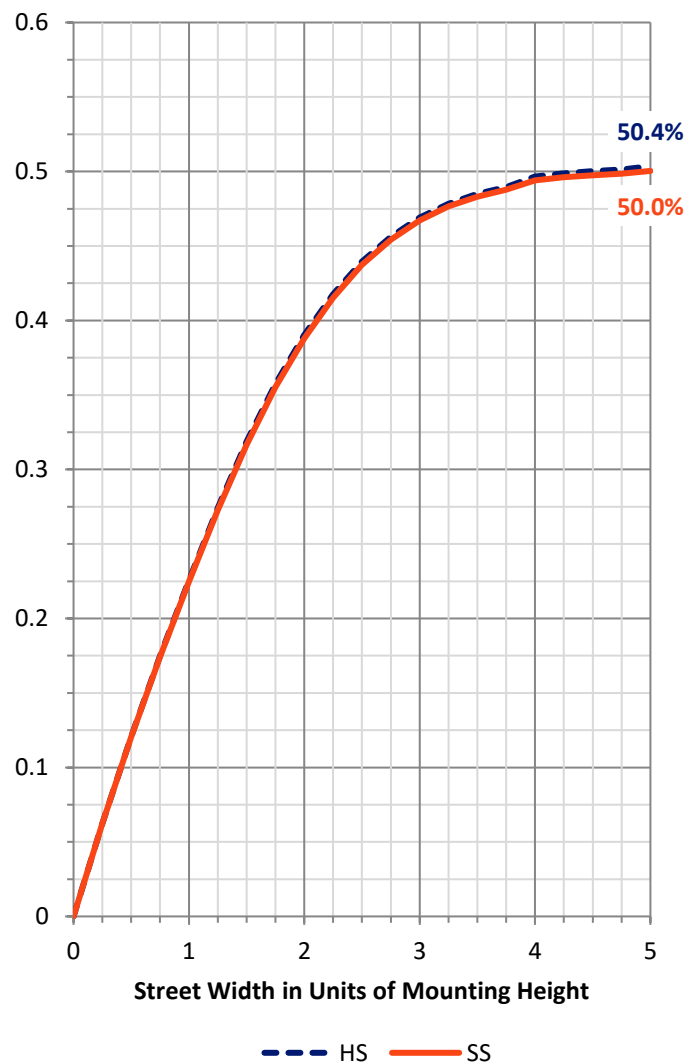
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2642.5	0.0	2642.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2642.5	0.0	2642.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5285.0	0.0	5285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	0.8
10°-20°	131.7	2.5
20°-30°	219.1	4.1
30°-40°	331.4	6.3
40°-50°	550.7	10.4
50°-60°	1039.2	19.7
60°-70°	1754.7	33.2
70°-80°	1153.0	21.8
80°-90°	60.4	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°	5285.0	100.0
0°-180°	5285.0	100.0

Coefficient of Utilization



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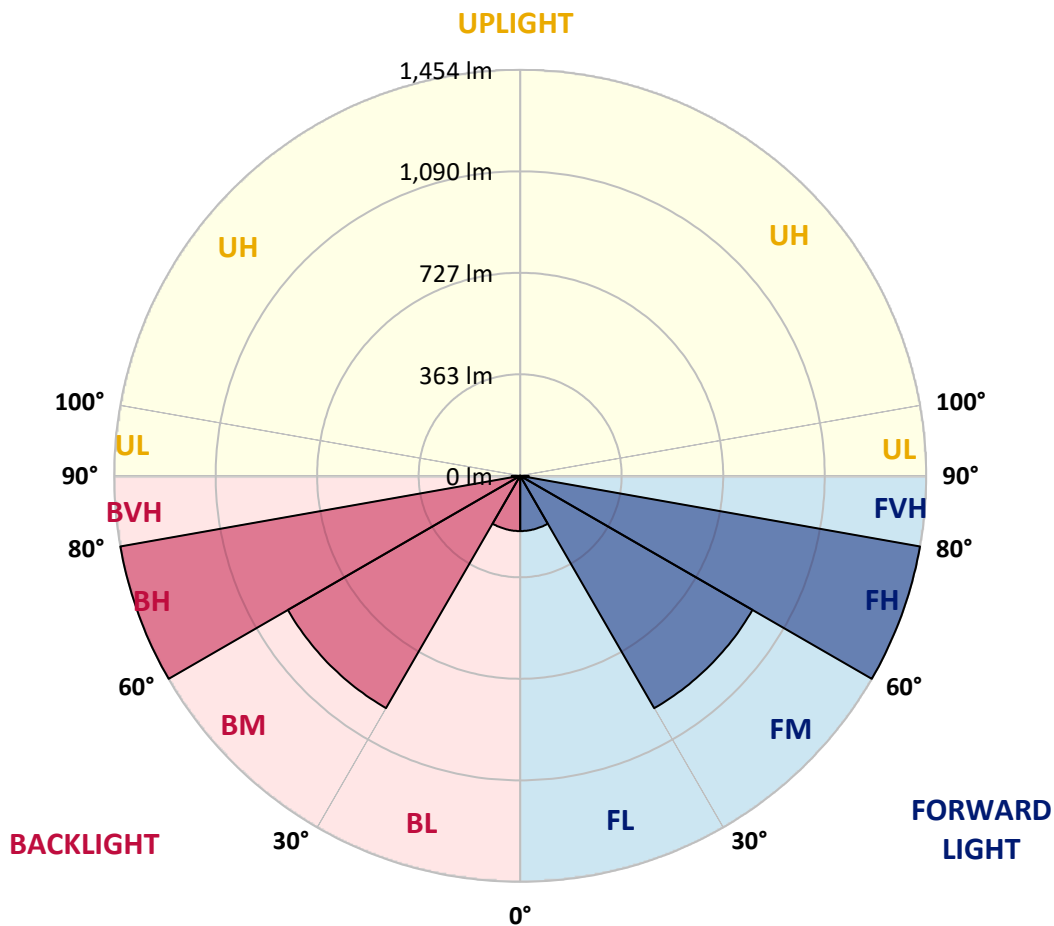
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.8	3.7			
FM	(30°-60°)	960.6	18.2			
FH	(60°-80°)	1453.8	27.5			G1/1800
FVH	(80°-90°)	30.2	0.6			G1/100
BL	(0°-30°)	197.8	3.7	B1/500		
BM	(30°-60°)	960.6	18.2	B1/1000		
BH	(60°-80°)	1453.8	27.5	B3/2500		G1/1800
BVH	(80°-90°)	30.2	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°	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1
2.5°	479.1	480.5	479.9	478.8	478.8	478.0	478.8	479.4	480.2	480.7	480.5
5°	472.8	473.9	473.6	472.8	473.0	472.2	472.8	473.6	474.1	474.4	474.4
7.5°	467.3	468.4	467.8	466.4	466.4	465.6	465.9	466.7	467.5	467.8	467.8
10°	465.9	467.0	465.3	463.1	462.3	461.2	461.5	462.3	464.0	464.8	464.8
12.5°	466.4	467.3	465.6	462.3	461.5	460.4	460.4	461.2	463.4	464.5	464.8
15°	468.1	468.9	466.4	462.9	462.0	461.2	460.9	462.0	464.5	466.4	466.7
17.5°	471.1	471.9	468.1	463.1	462.0	462.3	462.0	462.9	466.7	470.3	470.3
20°	473.9	474.4	469.2	463.1	462.0	462.3	462.0	463.7	468.6	473.6	473.9
22.5°	474.7	475.2	470.3	465.1	464.2	464.5	464.2	465.9	470.6	475.5	475.5
25°	475.0	475.8	471.9	467.8	469.2	469.7	469.2	469.5	473.0	477.4	477.2
27.5°	479.1	480.2	476.6	473.0	473.9	473.6	474.4	475.2	478.0	482.4	481.3
30°	487.6	488.4	485.4	481.8	481.3	479.4	481.8	484.6	487.6	491.4	490.6
32.5°	501.6	503.3	499.4	495.6	493.1	492.0	493.9	498.6	502.7	506.8	505.2
35°	525.0	526.1	522.5	515.3	510.9	510.9	512.6	518.6	525.2	530.4	528.5
37.5°	557.9	559.3	553.0	544.5	537.9	537.9	540.1	546.4	556.3	563.7	560.9
40°	598.0	599.9	592.0	583.2	576.9	575.8	578.5	585.7	595.0	604.3	601.3
42.5°	646.4	648.6	638.1	630.4	625.5	625.5	626.9	633.5	642.0	653.5	652.7
45°	708.2	712.0	697.7	690.0	685.4	686.5	687.3	693.1	700.8	713.9	713.4
47.5°	781.8	785.6	770.5	762.6	761.7	767.0	763.7	767.8	771.9	787.0	782.6
50°	865.3	871.9	861.5	860.9	862.6	872.2	864.5	866.7	862.0	871.6	865.9
52.5°	967.5	977.1	975.2	978.5	996.9	1016.7	999.1	991.4	973.8	976.8	966.7
55°	1091.4	1105.9	1108.7	1128.5	1170.2	1210.6	1173.2	1142.2	1104.8	1098.0	1087.3
57.5°	1232.3	1243.8	1257.0	1297.4	1375.4	1447.1	1375.4	1306.7	1248.0	1234.0	1224.1
60°	1383.9	1398.2	1410.9	1470.5	1586.4	1687.2	1584.2	1475.1	1397.4	1378.4	1362.0
62.5°	1546.8	1565.2	1574.0	1640.2	1775.4	1895.7	1777.3	1645.2	1558.9	1538.6	1522.1
65°	1703.1	1718.2	1728.1	1798.7	1927.8	2048.4	1936.6	1806.4	1717.7	1691.1	1677.9
67.5°	1775.9	1784.2	1808.3	1888.3	2024.5	2162.2	2047.6	1896.8	1797.6	1750.9	1751.5
70°	1669.4	1652.6	1710.8	1838.8	2036.1	2231.9	2062.4	1835.0	1713.6	1637.8	1655.9
72.5°	1290.0	1261.1	1362.2	1581.2	1904.2	2187.4	1917.4	1593.5	1425.1	1271.3	1309.5
75°	701.9	669.2	808.7	1085.6	1518.5	1896.0	1553.4	1116.7	900.5	696.6	742.0
77.5°	198.1	185.7	298.3	525.2	913.4	1331.2	948.5	536.8	353.8	209.9	233.2
80°	60.7	58.8	79.7	158.2	387.9	637.6	372.8	160.2	101.4	64.0	67.6
82.5°	36.0	33.0	39.6	57.7	98.9	200.3	96.1	60.2	48.3	32.4	35.2
85°	20.6	19.2	23.3	28.0	33.2	42.6	27.7	28.6	25.8	17.3	18.1
87.5°	8.5	7.7	9.1	8.8	7.7	9.9	7.4	8.8	10.4	6.9	6.3
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)