

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: P938900

Luminaire Tested: **GALN-SB1B-730-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938900
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5698 lumens
Efficiency: N/A
Efficacy: 143.2 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): 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



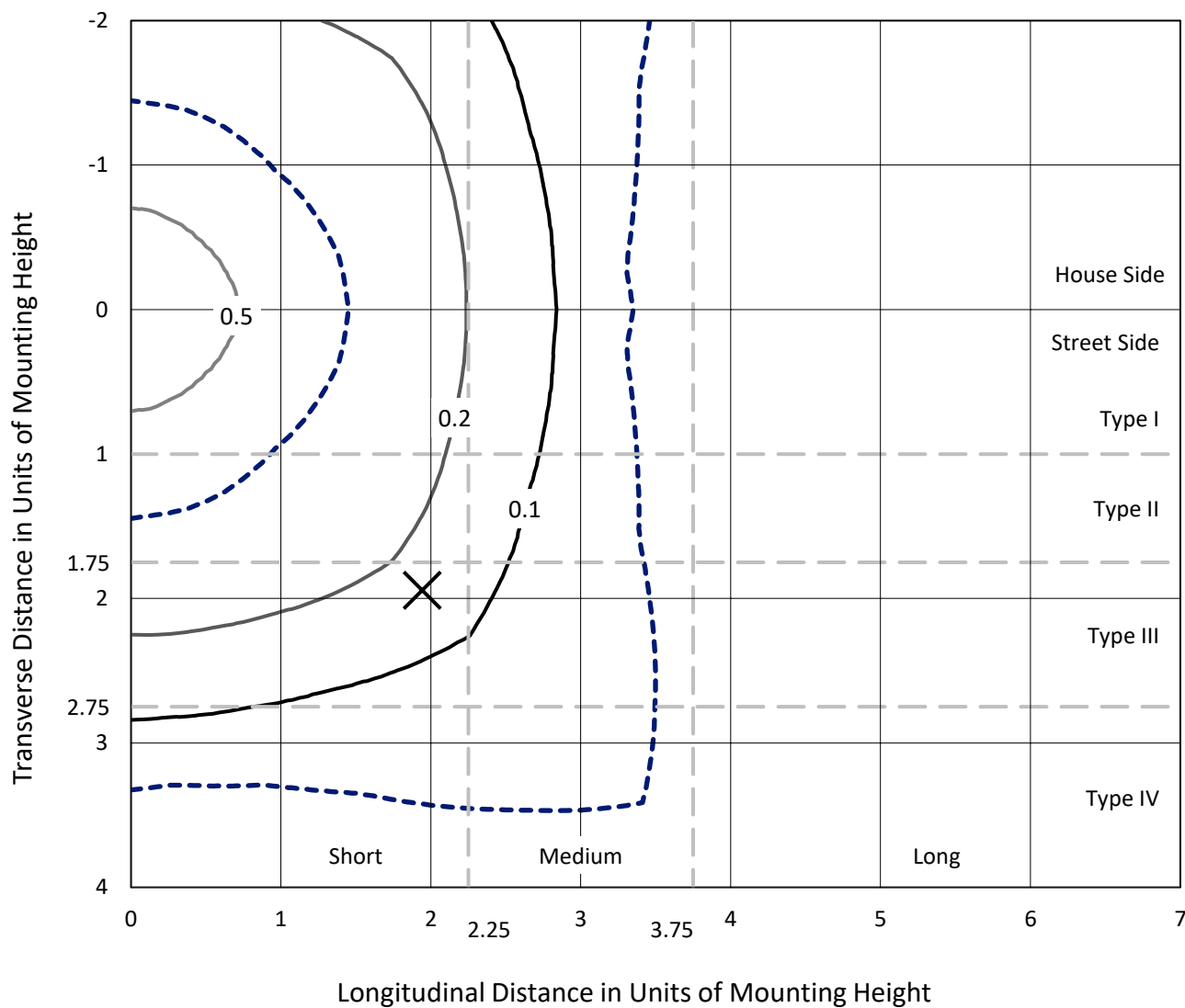
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Iso-Footcandle Lines of Horizontal Illumination

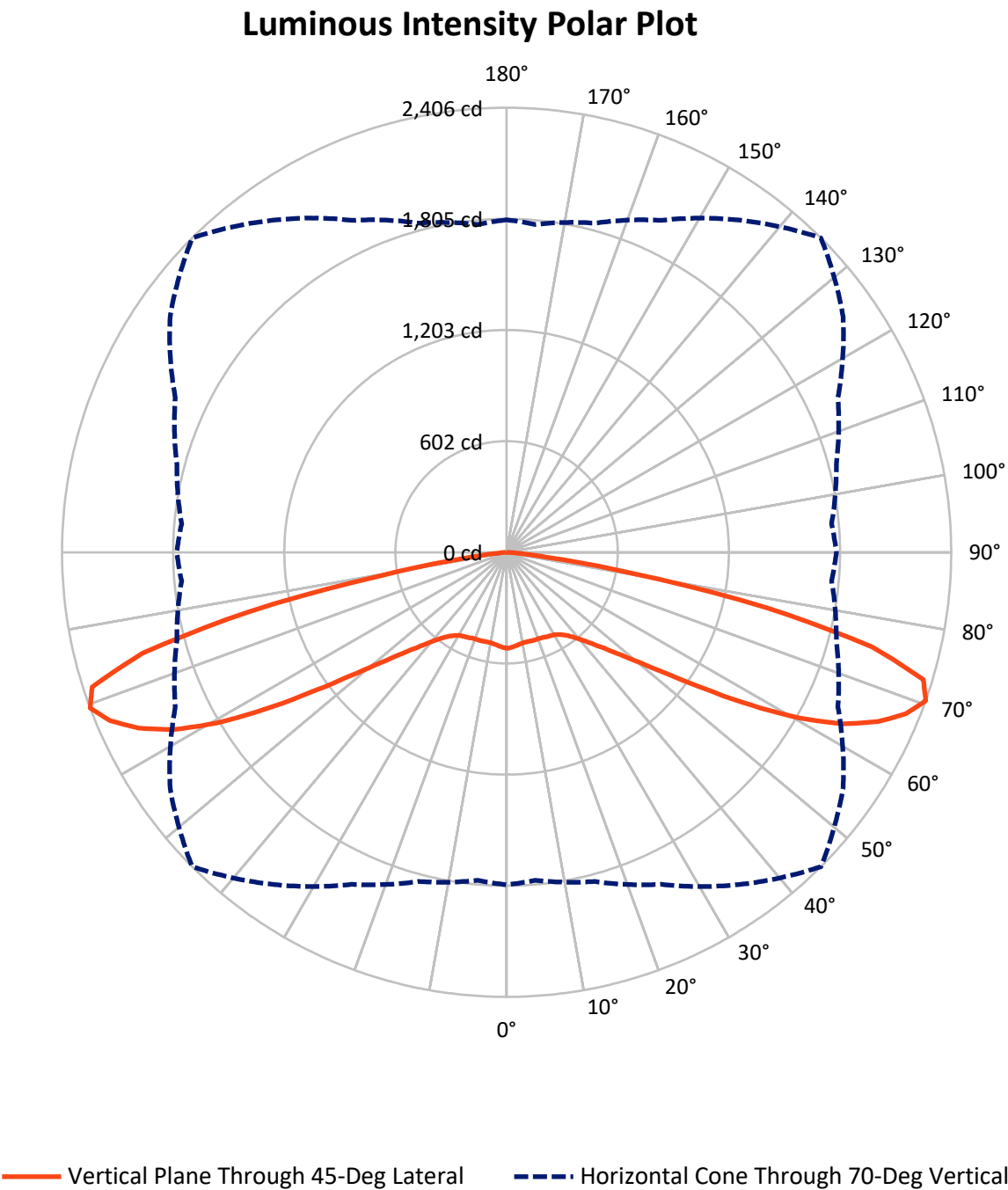
✕ Max cd

--- 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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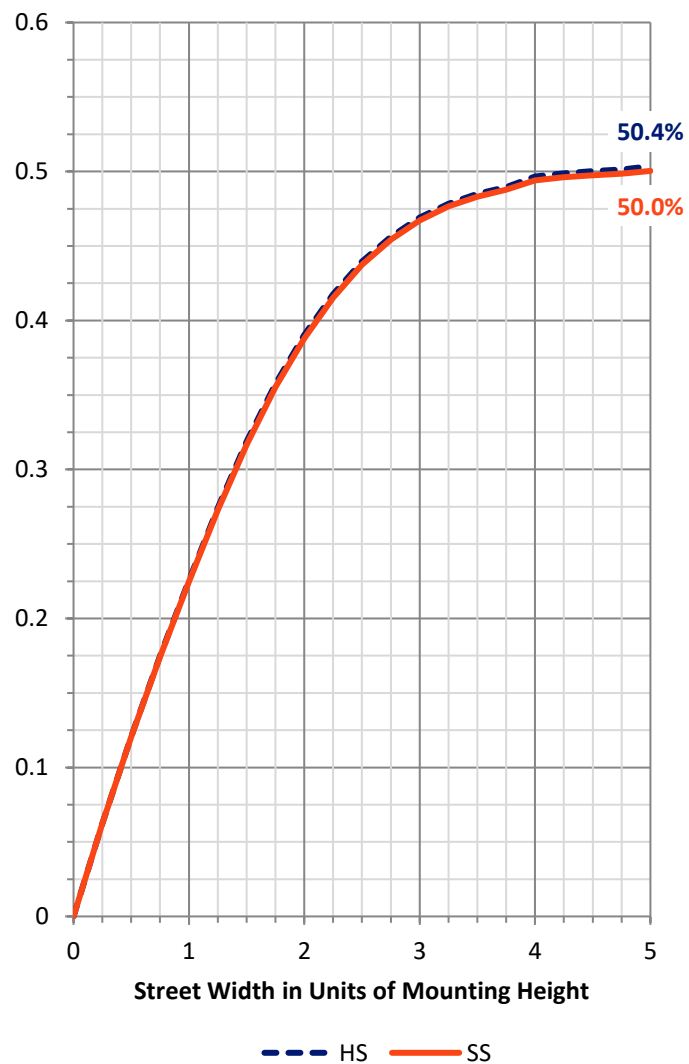
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2849.0	0.0	2849.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2849.0	0.0	2849.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5698.0	0.0	5698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.8
10°-20°	142.0	2.5
20°-30°	236.3	4.1
30°-40°	357.3	6.3
40°-50°	593.7	10.4
50°-60°	1120.4	19.7
60°-70°	1891.8	33.2
70°-80°	1243.1	21.8
80°-90°	65.1	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°	5698.0	100.0
0°-180°	5698.0	100.0

Coefficient of Utilization



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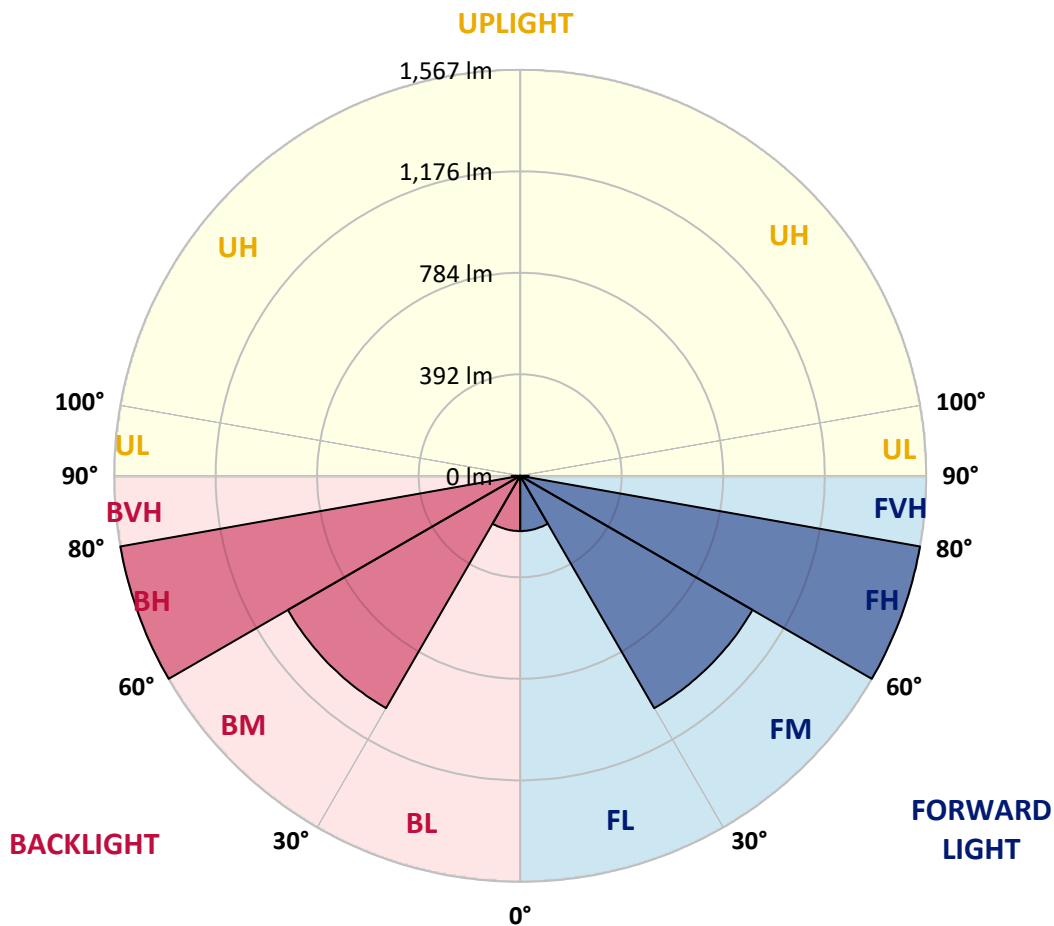
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.3	3.7			
FM	(30°-60°)	1035.7	18.2			
FH	(60°-80°)	1567.4	27.5			G1/1800
FVH	(80°-90°)	32.6	0.6			G1/100
BL	(0°-30°)	213.3	3.7	B1/500		
BM	(30°-60°)	1035.7	18.2	B2/2500		
BH	(60°-80°)	1567.4	27.5	B3/2500		G1/1800
BVH	(80°-90°)	32.6	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°	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8	519.8
2.5°	516.5	518.0	517.4	516.2	516.2	515.3	516.2	516.8	517.7	518.3	518.0
5°	509.7	510.9	510.6	509.7	510.0	509.1	509.7	510.6	511.2	511.5	511.5
7.5°	503.8	505.0	504.4	502.9	502.9	502.0	502.3	503.2	504.1	504.4	504.4
10°	502.3	503.5	501.7	499.3	498.4	497.3	497.6	498.4	500.2	501.1	501.1
12.5°	502.9	503.8	502.0	498.4	497.6	496.4	496.4	497.3	499.6	500.8	501.1
15°	504.7	505.6	502.9	499.0	498.2	497.3	497.0	498.2	500.8	502.9	503.2
17.5°	507.9	508.8	504.7	499.3	498.2	498.4	498.2	499.0	503.2	507.0	507.0
20°	510.9	511.5	505.9	499.3	498.2	498.4	498.2	499.9	505.3	510.6	510.9
22.5°	511.8	512.4	507.0	501.4	500.5	500.8	500.5	502.3	507.3	512.7	512.7
25°	512.1	513.0	508.8	504.4	505.9	506.4	505.9	506.1	510.0	514.7	514.4
27.5°	516.5	517.7	513.8	510.0	510.9	510.6	511.5	512.4	515.3	520.1	518.9
30°	525.7	526.6	523.3	519.5	518.9	516.8	519.5	522.4	525.7	529.8	529.0
32.5°	540.8	542.6	538.4	534.3	531.6	530.4	532.5	537.5	542.0	546.4	544.7
35°	566.0	567.2	563.3	555.6	550.9	550.9	552.6	559.2	566.3	571.9	569.8
37.5°	601.5	603.0	596.2	587.0	579.9	579.9	582.3	589.1	599.7	607.7	604.8
40°	644.8	646.8	638.2	628.8	621.9	620.8	623.7	631.4	641.5	651.6	648.3
42.5°	696.9	699.2	688.0	679.7	674.4	674.4	675.9	683.0	692.1	704.6	703.7
45°	763.5	767.7	752.3	744.0	738.9	740.1	741.0	747.2	755.5	769.7	769.1
47.5°	842.9	847.0	830.7	822.2	821.3	826.9	823.3	827.8	832.2	848.5	843.8
50°	932.9	940.0	928.8	928.2	930.0	940.3	932.0	934.4	929.4	939.7	933.5
52.5°	1043.1	1053.5	1051.4	1054.9	1074.8	1096.1	1077.2	1068.9	1049.9	1053.2	1042.2
55°	1176.7	1192.4	1195.3	1216.7	1261.7	1305.2	1264.9	1231.5	1191.2	1183.8	1172.2
57.5°	1328.6	1341.0	1355.3	1398.8	1482.9	1560.2	1482.9	1408.9	1345.5	1330.4	1319.7
60°	1492.1	1507.5	1521.1	1585.4	1710.4	1819.1	1708.0	1590.4	1506.6	1486.2	1468.4
62.5°	1667.7	1687.6	1697.0	1768.4	1914.1	2043.8	1916.2	1773.7	1680.7	1658.8	1641.1
65°	1836.2	1852.5	1863.2	1939.3	2078.5	2208.5	2088.0	1947.6	1851.9	1823.2	1809.0
67.5°	1914.7	1923.6	1949.7	2035.8	2182.7	2331.1	2207.6	2045.0	1938.1	1887.8	1888.4
70°	1799.8	1781.7	1844.5	1982.5	2195.2	2406.4	2223.6	1978.4	1847.5	1765.7	1785.3
72.5°	1390.8	1359.7	1468.7	1704.7	2053.0	2358.4	2067.2	1718.1	1536.5	1370.7	1411.8
75°	756.7	721.5	871.9	1170.5	1637.2	2044.1	1674.8	1203.9	970.8	751.1	799.9
77.5°	213.5	200.2	321.6	566.3	984.8	1435.2	1022.7	578.7	381.5	226.3	251.4
80°	65.5	63.4	85.9	170.6	418.2	687.4	401.9	172.7	109.3	69.0	72.9
82.5°	38.8	35.5	42.6	62.2	106.6	215.9	103.7	64.9	52.1	34.9	37.9
85°	22.2	20.7	25.2	30.2	35.8	45.9	29.9	30.8	27.8	18.7	19.5
87.5°	9.2	8.3	9.8	9.5	8.3	10.7	8.0	9.5	11.3	7.4	6.8
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)