

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: P941720

Luminaire Tested: **GALN-SB5B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941720
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-SB5B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17513 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

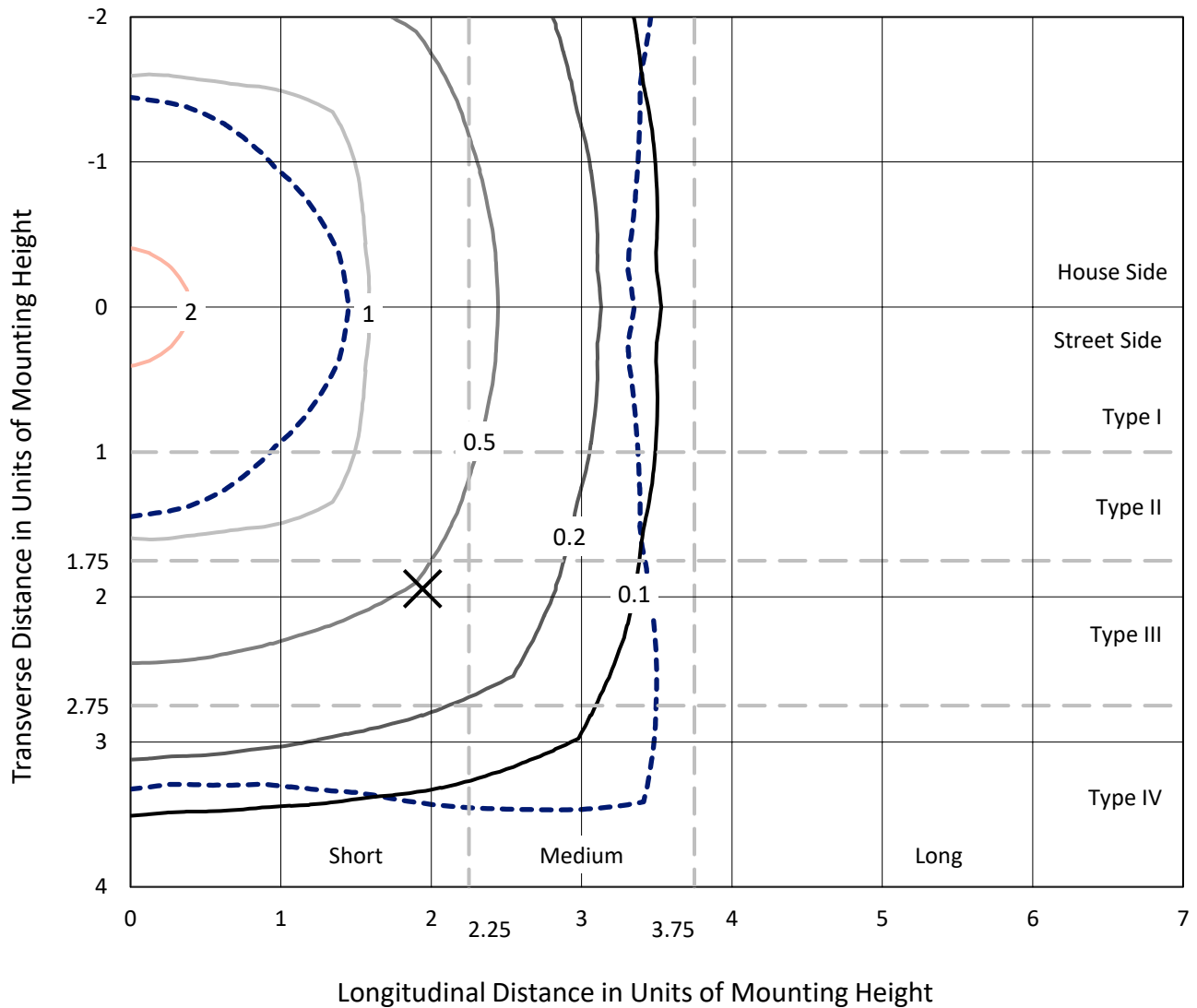
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

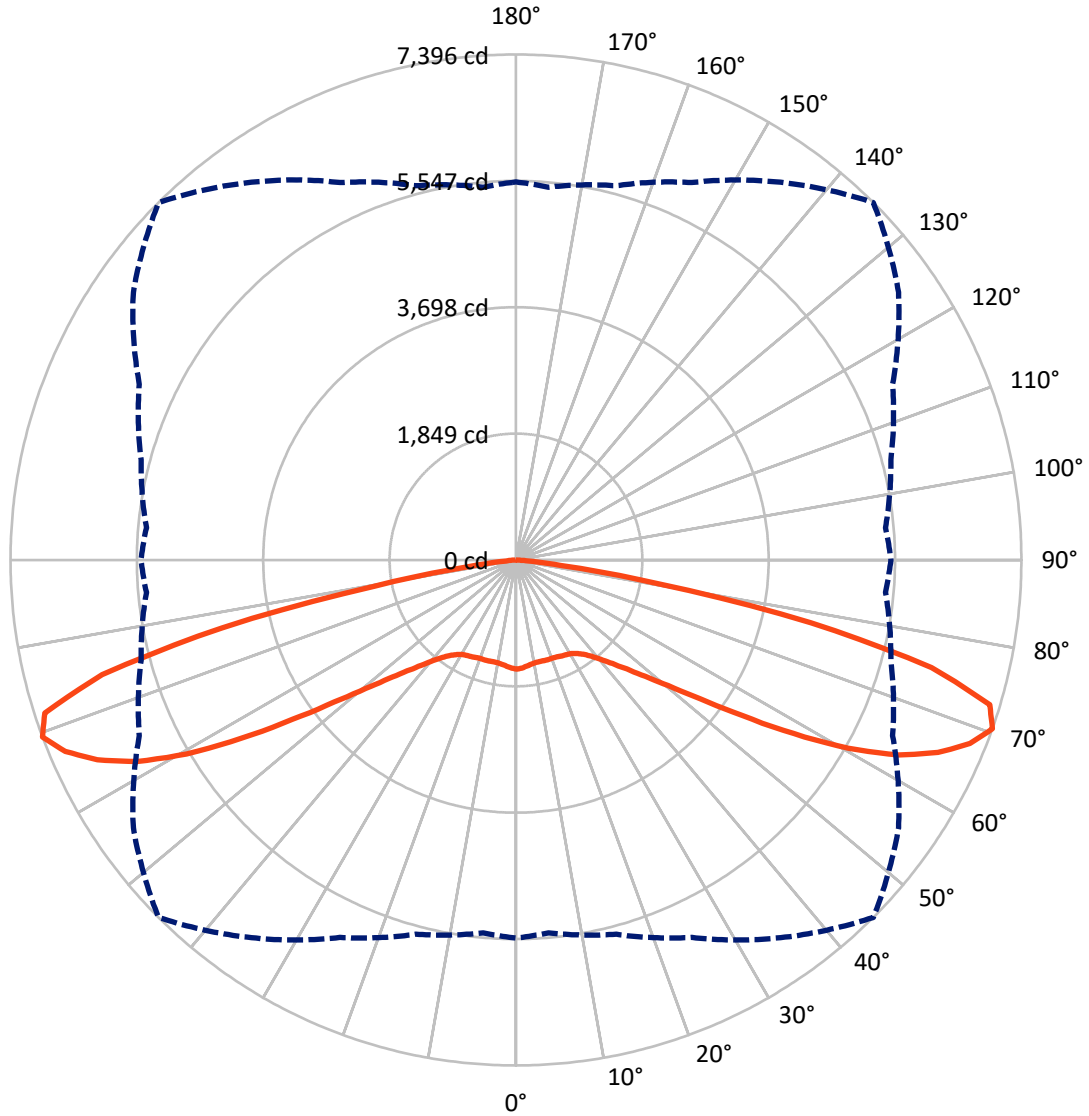
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8756.5	0.0	8756.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8756.5	0.0	8756.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17513.0	0.0	17513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	0.8
10°-20°	436.4	2.5
20°-30°	726.2	4.1
30°-40°	1098.2	6.3
40°-50°	1824.9	10.4
50°-60°	3443.5	19.7
60°-70°	5814.5	33.2
70°-80°	3820.7	21.8
80°-90°	200.2	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°	17513.0	100.0
0°-180°	17513.0	100.0

Coefficient of Utilization



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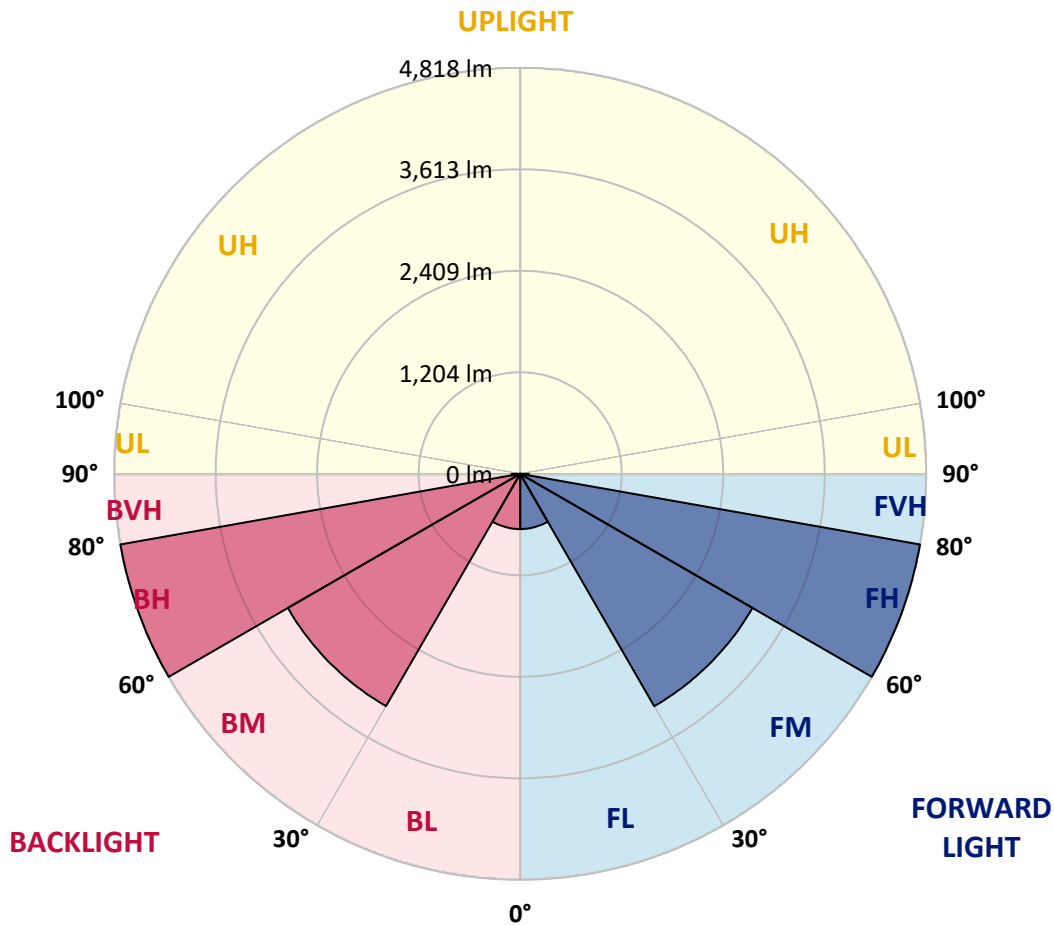
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.6	3.7			
FM (30°-60°)	3183.3	18.2			
FH (60°-80°)	4817.6	27.5			G2/5000
FVH (80°-90°)	100.1	0.6			G2/225
BL (0°-30°)	655.6	3.7	B2/1000		
BM (30°-60°)	3183.3	18.2	B3/5000		
BH (60°-80°)	4817.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	100.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5
2.5°	1587.5	1592.1	1590.3	1586.6	1586.6	1583.9	1586.6	1588.4	1591.2	1593.0
5°	1566.6	1570.2	1569.3	1566.6	1567.5	1564.8	1566.6	1569.3	1571.1	1572.1
7.5°	1548.4	1552.0	1550.2	1545.7	1545.7	1542.9	1543.8	1546.6	1549.3	1550.2
10°	1543.8	1547.5	1542.0	1534.7	1532.0	1528.4	1529.3	1532.0	1537.5	1540.2
12.5°	1545.7	1548.4	1542.9	1532.0	1529.3	1525.6	1525.6	1528.4	1535.6	1539.3
15°	1551.1	1553.8	1545.7	1533.8	1531.1	1528.4	1527.4	1531.1	1539.3	1545.7
17.5°	1561.1	1563.9	1551.1	1534.7	1531.1	1532.0	1531.1	1533.8	1546.6	1558.4
20°	1570.2	1572.1	1554.8	1534.7	1531.1	1532.0	1531.1	1536.5	1552.9	1569.3
22.5°	1573.0	1574.8	1558.4	1541.1	1538.4	1539.3	1538.4	1543.8	1559.3	1575.7
25°	1573.9	1576.6	1563.9	1550.2	1554.8	1556.6	1554.8	1555.7	1567.5	1582.1
27.5°	1587.5	1591.2	1579.3	1567.5	1570.2	1569.3	1572.1	1574.8	1583.9	1598.4
30°	1615.7	1618.5	1608.5	1596.6	1594.8	1588.4	1596.6	1605.7	1615.7	1628.5
32.5°	1662.2	1667.6	1654.9	1642.1	1633.9	1630.3	1636.7	1652.2	1665.8	1679.5
35°	1739.5	1743.2	1731.3	1707.7	1693.1	1693.1	1698.6	1718.6	1740.5	1757.7
37.5°	1848.8	1853.3	1832.4	1804.2	1782.3	1782.3	1789.6	1810.5	1843.3	1867.9
40°	1981.7	1988.0	1961.6	1932.5	1911.6	1907.9	1917.0	1940.7	1971.7	2002.6
42.5°	2141.9	2149.2	2114.6	2089.1	2072.7	2072.7	2077.3	2099.1	2127.3	2165.6
45°	2346.7	2359.4	2312.1	2286.6	2271.1	2274.8	2277.5	2296.6	2322.1	2365.8
47.5°	2590.7	2603.4	2553.3	2526.9	2524.2	2541.5	2530.6	2544.2	2557.9	2607.9
50°	2867.4	2889.2	2854.6	2852.8	2858.3	2890.1	2864.6	2871.9	2856.5	2888.3
52.5°	3206.0	3237.9	3231.5	3242.4	3303.4	3368.9	3310.7	3285.2	3226.9	3236.9
55°	3616.5	3664.8	3673.9	3739.4	3877.8	4011.6	3887.8	3784.9	3661.1	3638.4
57.5°	4083.5	4121.7	4165.4	4299.2	4557.8	4795.3	4557.8	4330.2	4135.4	4089.0
60°	4586.0	4633.3	4675.2	4872.7	5256.9	5590.9	5249.6	4888.2	4630.6	4567.8
62.5°	5125.8	5186.8	5215.9	5435.3	5883.1	6281.8	5889.5	5451.7	5165.8	5098.5
65°	5643.7	5693.8	5726.6	5960.5	6388.3	6787.9	6417.5	5986.0	5692.0	5603.7
67.5°	5884.9	5912.3	5992.4	6257.3	6708.8	7164.8	6785.2	6285.5	5956.9	5802.1
70°	5531.8	5476.2	5669.2	6093.4	6747.0	7396.0	6834.4	6080.7	5678.3	5427.1
72.5°	4274.7	4179.1	4514.1	5239.6	6310.0	7248.5	6353.7	5280.5	4722.5	4212.8
75°	2325.8	2217.4	2679.9	3597.4	5032.0	6282.7	5147.6	3700.3	2983.9	2308.5
77.5°	656.3	615.3	988.6	1740.5	3026.7	4411.2	3143.2	1778.7	1172.4	695.5
80°	201.2	194.8	264.0	524.3	1285.3	2112.8	1235.2	530.7	335.9	212.1
82.5°	119.2	109.2	131.1	191.2	327.7	663.6	318.6	199.4	160.2	107.4
85°	68.3	63.7	77.4	92.8	110.1	141.1	91.9	94.7	85.6	57.3
87.5°	28.2	25.5	30.0	29.1	25.5	32.8	24.6	29.1	34.6	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1597.5
1592.1
1572.1
1550.2
1540.2
1540.2
1546.6
1558.4
1570.2
1575.7
1581.2
1594.8
1625.8
1674.0
1751.4
1858.8
1992.6
2162.8
2364.0
2593.4
2869.2
3203.3
3602.9
4056.2
4513.2
5043.9
5560.0
5803.9
5487.2
4339.3
2458.7
772.8
223.9
116.5
60.1
20.9
0.0

OF REPORT)