

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: P942230

Luminaire Tested: **GALN-SB6A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942230
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-SB6A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16748 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

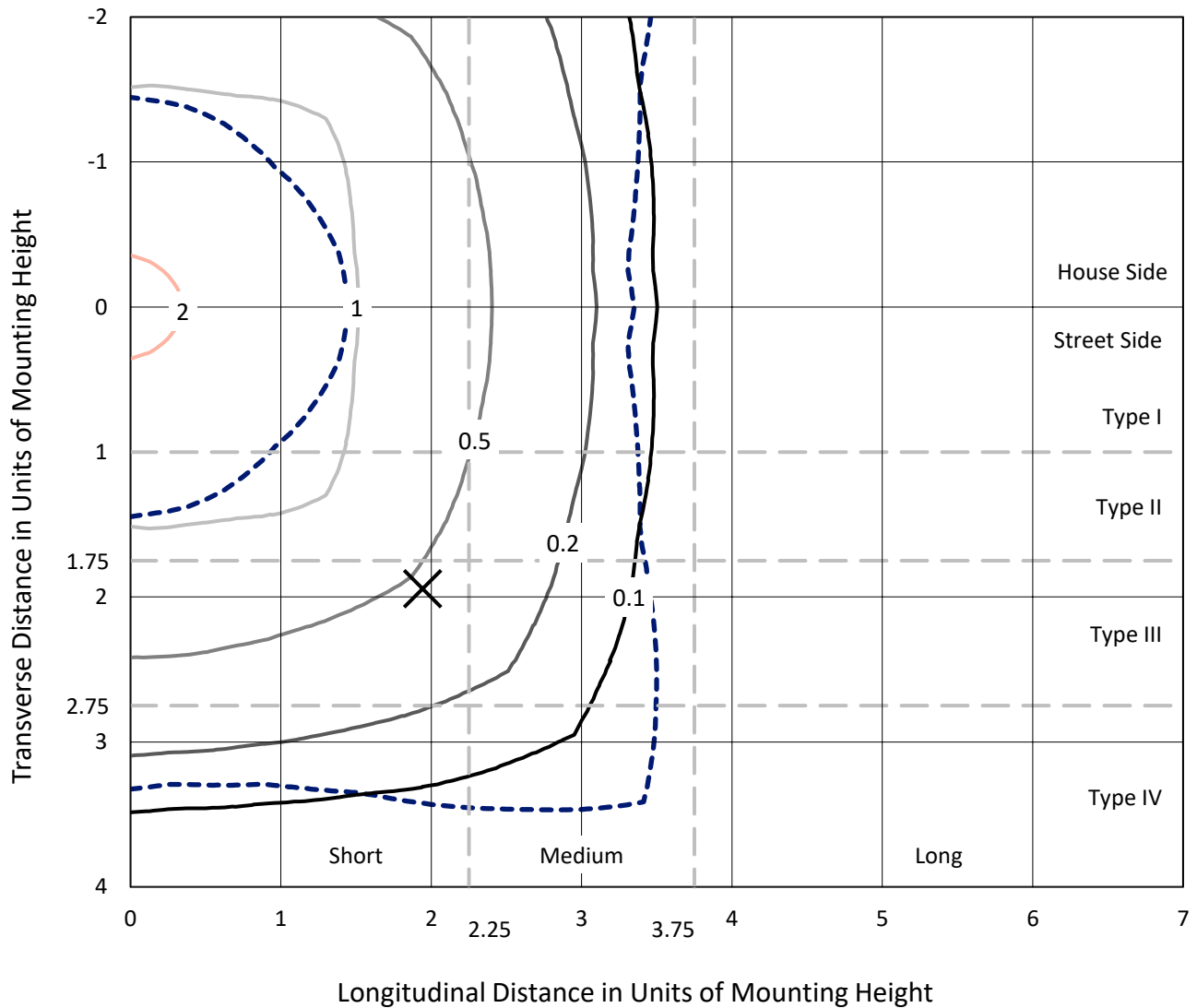
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942230
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Iso-Footcandle Lines of Horizontal Illumination

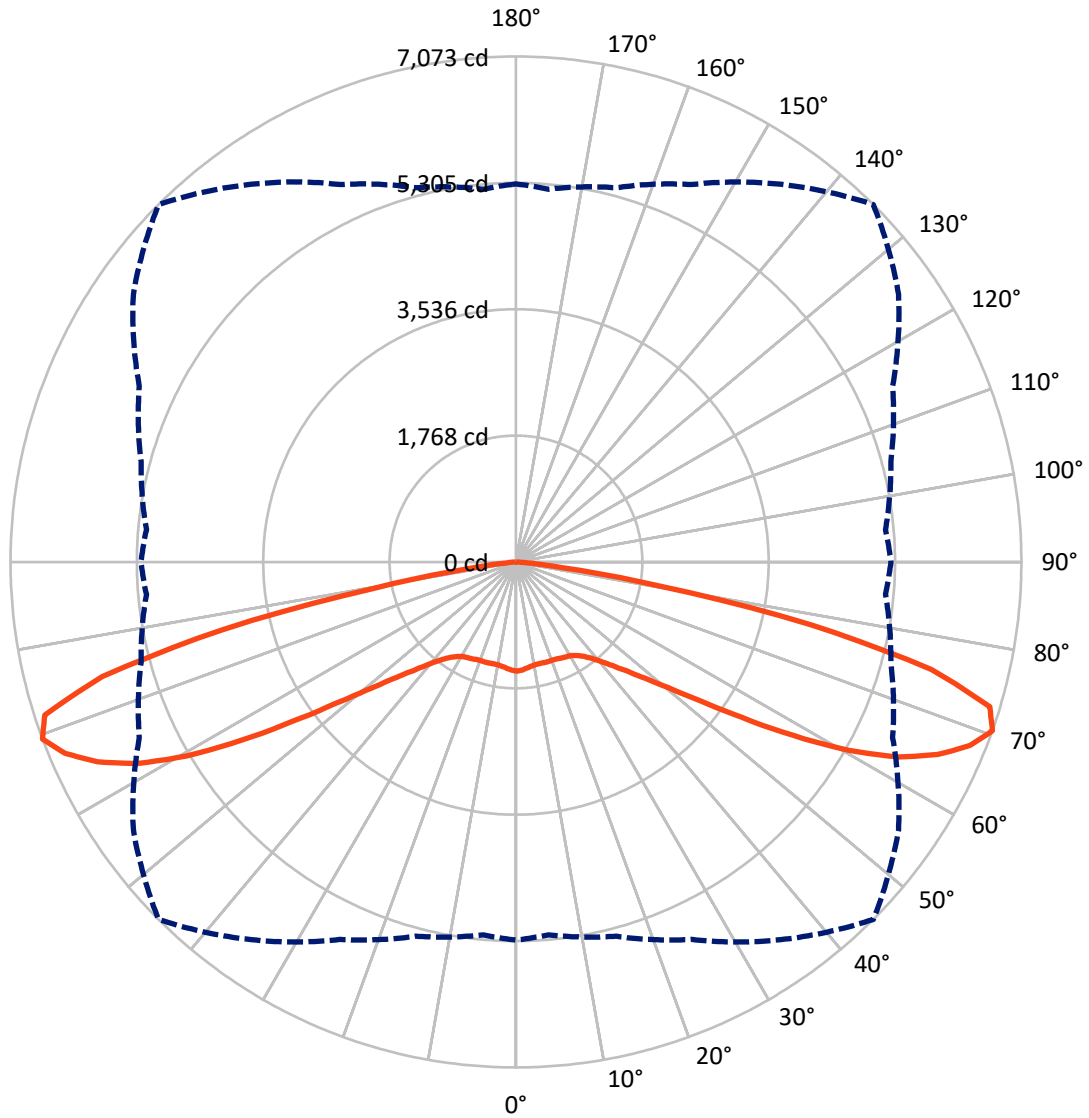
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

REPORT NUMBER: P942230
CATALOG NUMBER: GALN-SB6A-927-U-5WQ

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GALN-SB6A-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8374.0	0.0	8374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8374.0	0.0	8374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16748.0	0.0	16748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	0.8
10°-20°	417.3	2.5
20°-30°	694.4	4.1
30°-40°	1050.2	6.3
40°-50°	1745.2	10.4
50°-60°	3293.1	19.7
60°-70°	5560.5	33.2
70°-80°	3653.8	21.8
80°-90°	191.4	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°	16748.0	100.0
0°-180°	16748.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942230

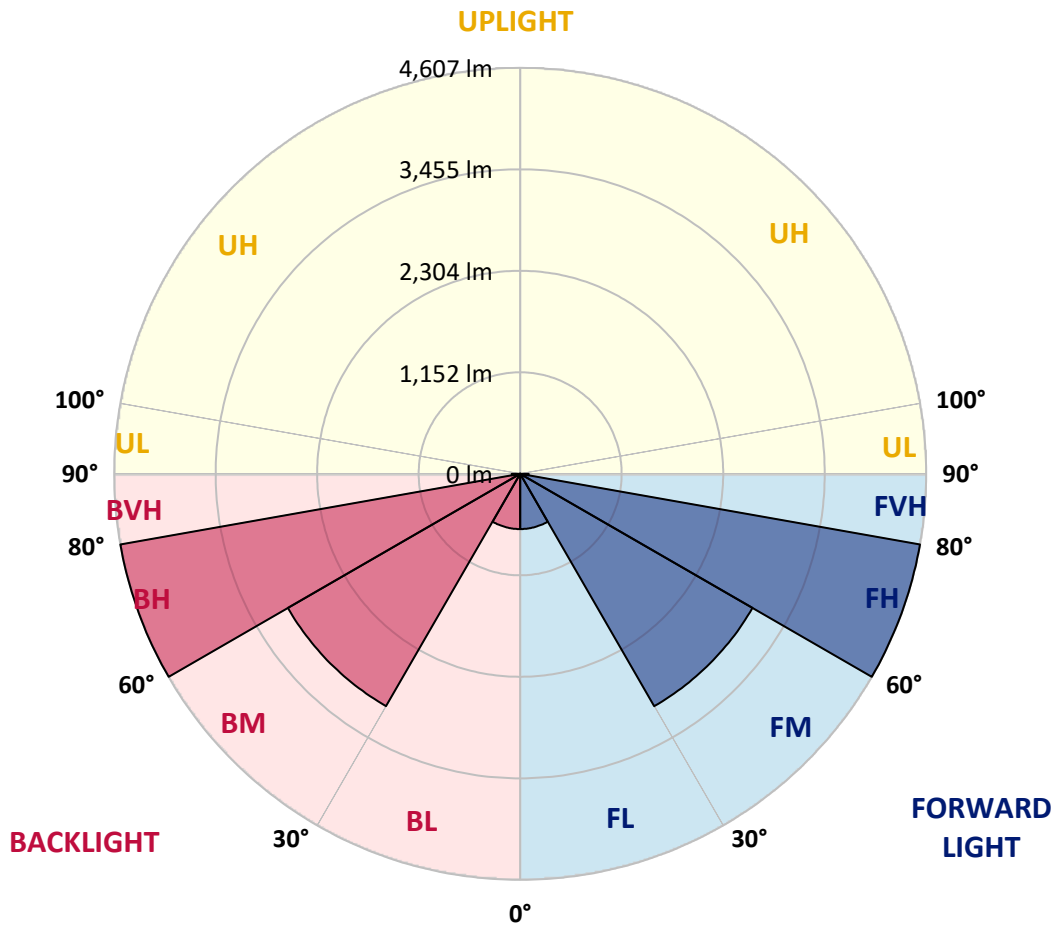
CATALOG NUMBER: GALN-SB6A-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	626.9	3.7			
FM (30°-60°)	3044.2	18.2			
FH (60°-80°)	4607.1	27.5			G2/5000
FVH (80°-90°)	95.7	0.6			G1/100
BL (0°-30°)	626.9	3.7	B2/1000		
BM (30°-60°)	3044.2	18.2	B3/5000		
BH (60°-80°)	4607.1	27.5	B4/5000		G2/5000
BVH (80°-90°)	95.7	0.6			G1/100
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



REPORT NUMBER: P942230

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1527.8	1527.8	1527.8	1527.8	1527.8	1527.8	1527.8	1527.8	1527.8	1527.8
2.5°	1518.2	1522.5	1520.8	1517.3	1517.3	1514.7	1517.3	1519.0	1521.7	1523.4
5°	1498.2	1501.6	1500.8	1498.2	1499.0	1496.4	1498.2	1500.8	1502.5	1503.4
7.5°	1480.7	1484.2	1482.5	1478.1	1478.1	1475.5	1476.4	1479.0	1481.6	1482.5
10°	1476.4	1479.9	1474.7	1467.7	1465.1	1461.6	1462.5	1465.1	1470.3	1472.9
12.5°	1478.1	1480.7	1475.5	1465.1	1462.5	1459.0	1459.0	1461.6	1468.6	1472.0
15°	1483.4	1486.0	1478.1	1466.8	1464.2	1461.6	1460.7	1464.2	1472.0	1478.1
17.5°	1492.9	1495.5	1483.4	1467.7	1464.2	1465.1	1464.2	1466.8	1479.0	1490.3
20°	1501.6	1503.4	1486.8	1467.7	1464.2	1465.1	1464.2	1469.4	1485.1	1500.8
22.5°	1504.3	1506.0	1490.3	1473.8	1471.2	1472.0	1471.2	1476.4	1491.2	1506.9
25°	1505.1	1507.7	1495.5	1482.5	1486.8	1488.6	1486.8	1487.7	1499.0	1513.0
27.5°	1518.2	1521.7	1510.3	1499.0	1501.6	1500.8	1503.4	1506.0	1514.7	1528.6
30°	1545.2	1547.8	1538.2	1526.9	1525.1	1519.0	1526.9	1535.6	1545.2	1557.4
32.5°	1589.6	1594.8	1582.6	1570.4	1562.6	1559.1	1565.2	1580.0	1593.0	1606.1
35°	1663.6	1667.0	1655.7	1633.1	1619.2	1619.2	1624.4	1643.5	1664.4	1681.0
37.5°	1768.0	1772.4	1752.3	1725.4	1704.5	1704.5	1711.4	1731.5	1762.8	1786.3
40°	1895.1	1901.2	1876.0	1848.1	1828.1	1824.6	1833.3	1855.9	1885.5	1915.1
42.5°	2048.3	2055.3	2022.2	1997.8	1982.2	1982.2	1986.5	2007.4	2034.4	2071.0
45°	2244.2	2256.4	2211.1	2186.7	2171.9	2175.4	2178.0	2196.3	2220.7	2262.5
47.5°	2477.5	2489.7	2441.8	2416.6	2413.9	2430.5	2420.0	2433.1	2446.1	2494.0
50°	2742.1	2763.0	2729.9	2728.2	2733.4	2763.9	2739.5	2746.5	2731.7	2762.1
52.5°	3066.0	3096.4	3090.3	3100.8	3159.1	3221.8	3166.1	3141.7	3086.0	3095.6
55°	3458.6	3504.7	3513.4	3576.1	3708.4	3836.4	3718.0	3619.6	3501.2	3479.5
57.5°	3905.1	3941.7	3983.5	4111.4	4358.7	4585.9	4358.7	4141.0	3954.8	3910.4
60°	4385.7	4430.9	4471.0	4659.9	5027.2	5346.7	5020.3	4674.7	4428.3	4368.2
62.5°	4901.9	4960.2	4988.1	5197.8	5626.1	6007.4	5632.2	5213.5	4940.2	4875.8
65°	5397.2	5445.1	5476.4	5700.1	6109.3	6491.4	6137.1	5724.5	5443.3	5358.9
67.5°	5627.9	5654.0	5730.6	5983.9	6415.7	6851.8	6488.8	6010.9	5696.7	5548.7
70°	5290.1	5237.0	5421.6	5827.2	6452.3	7072.9	6535.8	5815.0	5430.3	5190.0
72.5°	4087.9	3996.5	4316.9	5010.7	6034.4	6931.9	6076.2	5049.9	4516.2	4028.7
75°	2224.2	2120.6	2562.8	3440.3	4812.2	6008.3	4922.8	3538.6	2853.5	2207.6
77.5°	627.6	588.5	945.4	1664.4	2894.5	4218.5	3005.9	1701.0	1121.2	665.1
80°	192.4	186.3	252.4	501.4	1229.2	2020.5	1181.3	507.5	321.2	202.8
82.5°	114.0	104.5	125.4	182.8	313.4	634.6	304.7	190.6	153.2	102.7
85°	65.3	60.9	74.0	88.8	105.3	134.9	87.9	90.5	81.8	54.8
87.5°	27.0	24.4	28.7	27.9	24.4	31.3	23.5	27.9	33.1	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1527.8
1522.5
1503.4
1482.5
1472.9
1472.9
1479.0
1490.3
1501.6
1506.9
1512.1
1525.1
1554.7
1600.9
1674.9
1777.6
1905.6
2068.3
2260.7
2480.1
2743.9
3063.3
3445.5
3879.0
4316.0
4823.5
5317.1
5550.4
5247.5
4149.7
2351.3
739.1
214.1
111.4
57.5
20.0
0.0

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