

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: P940280

Luminaire Tested: **GALN-SB3B-740-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940280  
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-SB3B-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

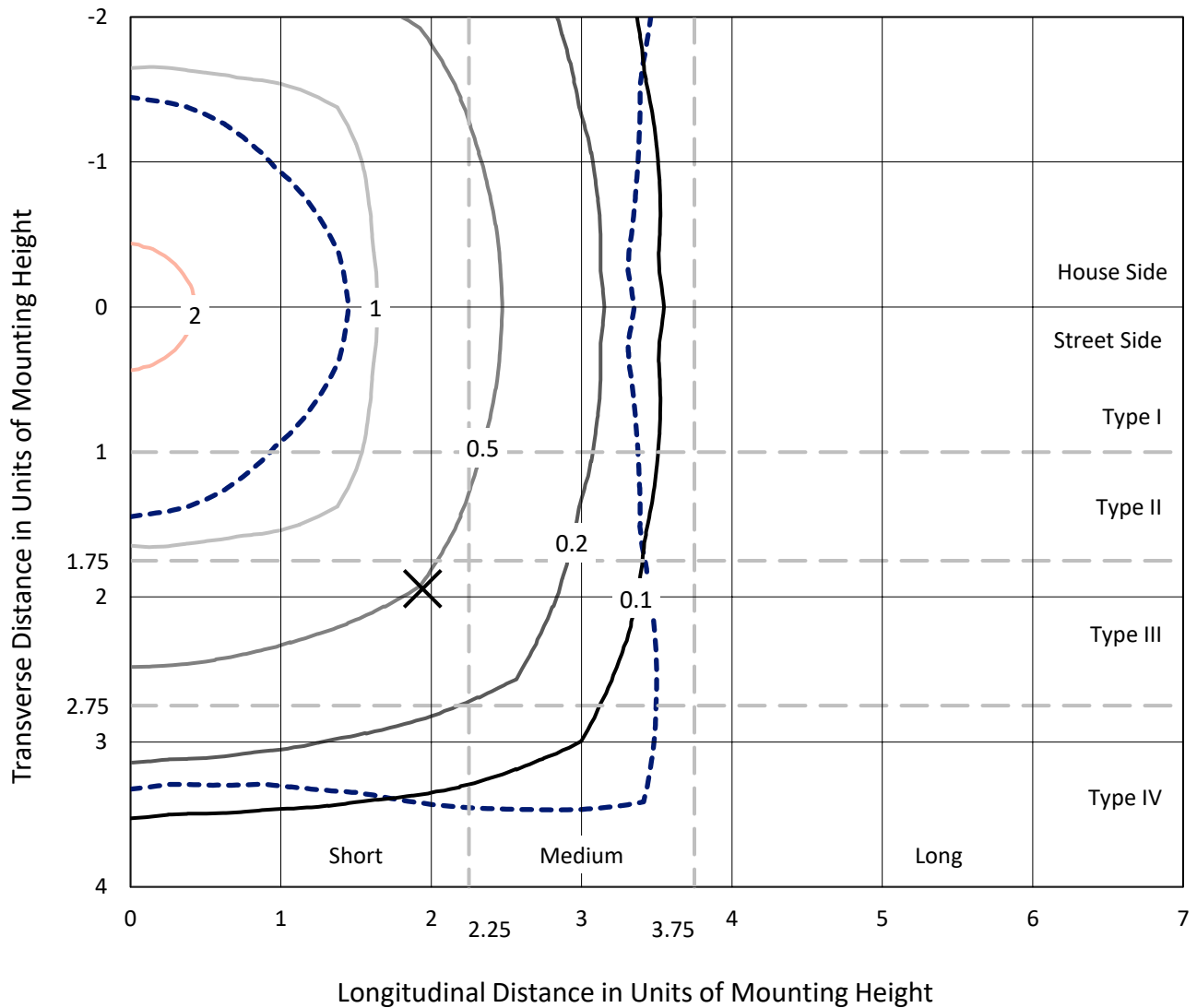
Lumens per Lamp: N/A  
Luminaire Lumens: 18080 lumens  
Efficiency: N/A  
Efficacy: 165.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

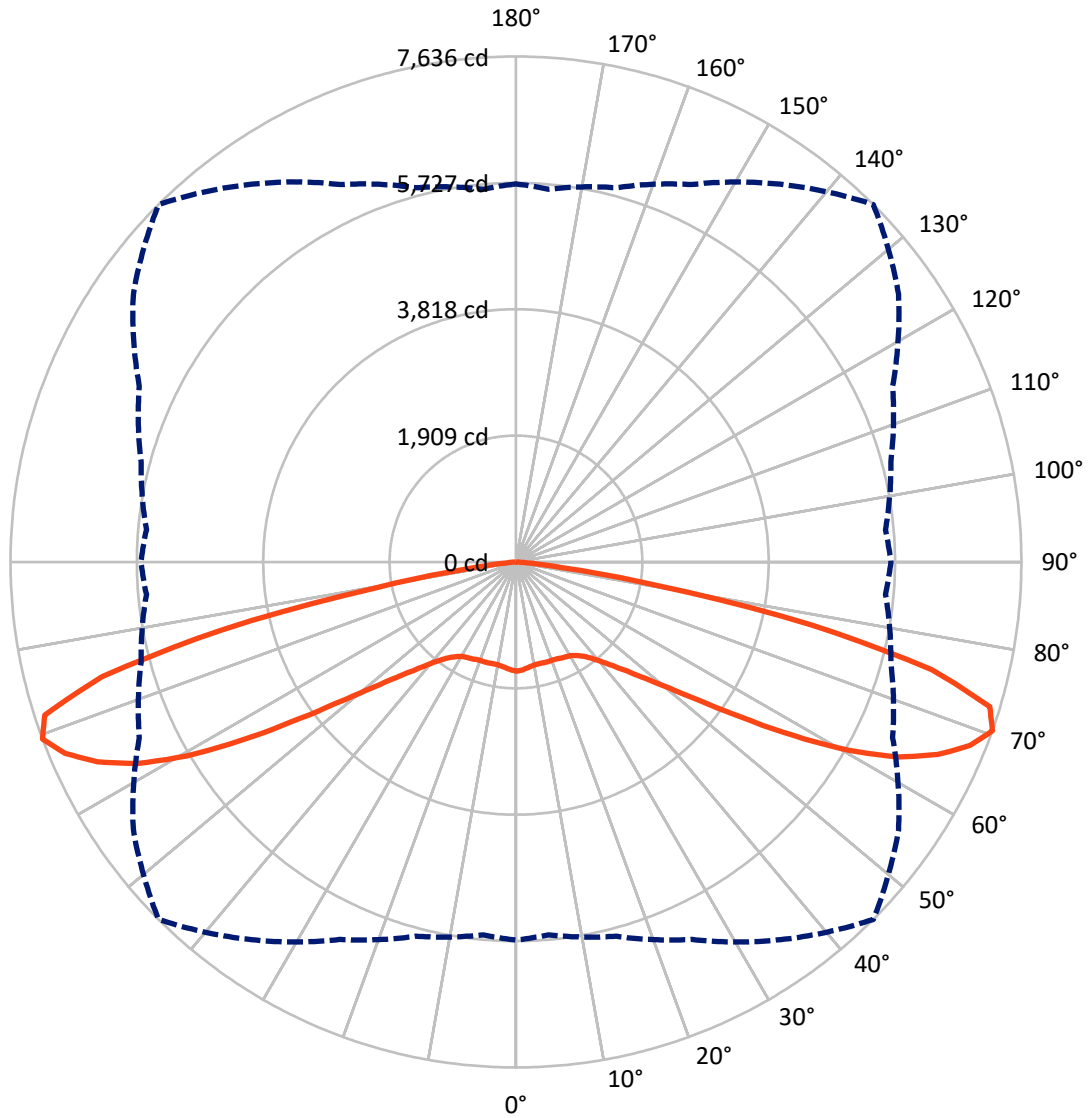
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	9040.0	0.0	9040.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9040.0	0.0	9040.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18080.0	0.0	18080.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.4	0.8
10°-20°	450.5	2.5
20°-30°	749.7	4.1
30°-40°	1133.7	6.3
40°-50°	1884.0	10.4
50°-60°	3555.0	19.7
60°-70°	6002.7	33.2
70°-80°	3944.4	21.8
80°-90°	206.6	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°	18080.0	100.0
0°-180°	18080.0	100.0

**Coefficient of Utilization**



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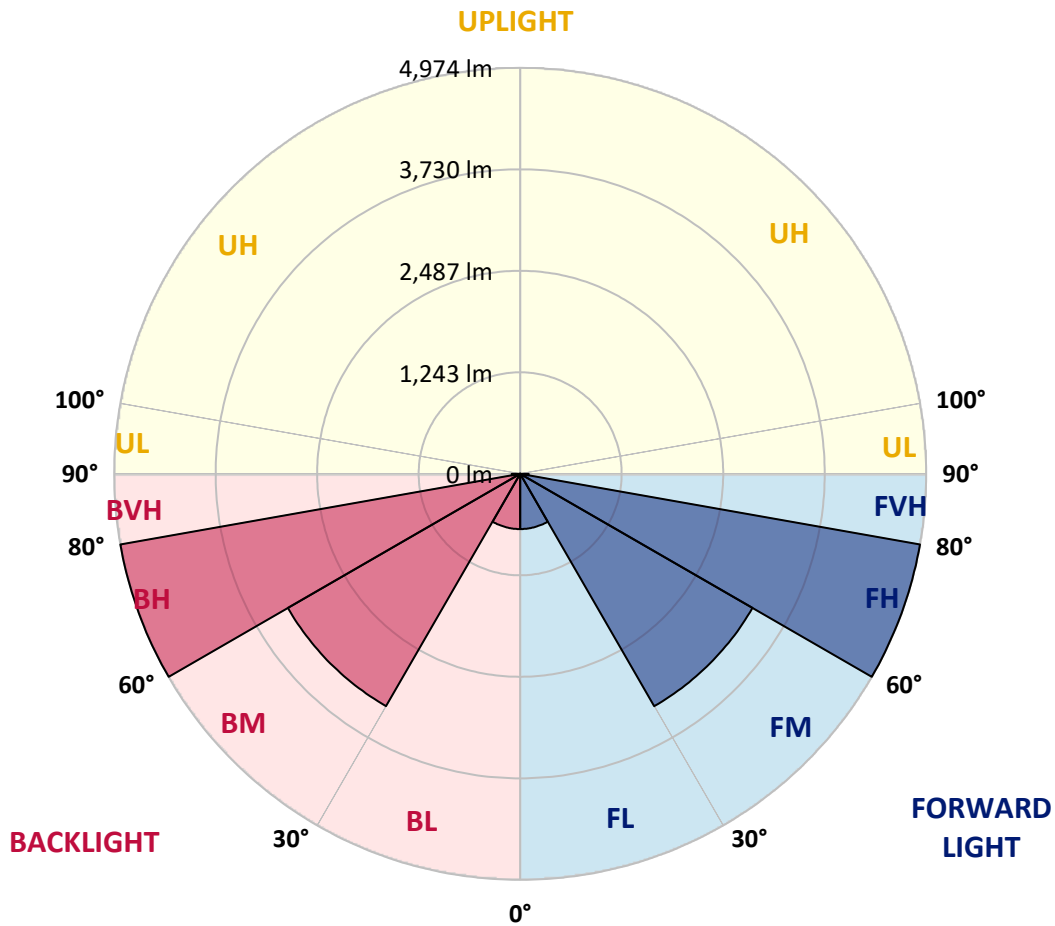
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.8	3.7			
FM (30°-60°)	3286.3	18.2			
FH (60°-80°)	4973.6	27.5			G2/5000
FVH (80°-90°)	103.3	0.6			G2/225
BL (0°-30°)	676.8	3.7	B2/1000		
BM (30°-60°)	3286.3	18.2	B3/5000		
BH (60°-80°)	4973.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	103.3	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°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1638.9	1643.6	1641.7	1638.0	1638.0	1635.2	1638.0	1639.9	1642.7	1644.6
5°	1617.3	1621.1	1620.1	1617.3	1618.2	1615.4	1617.3	1620.1	1622.0	1622.9
7.5°	1598.5	1602.3	1600.4	1595.7	1595.7	1592.9	1593.8	1596.6	1599.5	1600.4
10°	1593.8	1597.6	1591.9	1584.4	1581.6	1577.8	1578.8	1581.6	1587.2	1590.1
12.5°	1595.7	1598.5	1592.9	1581.6	1578.8	1575.0	1575.0	1577.8	1585.4	1589.1
15°	1601.3	1604.2	1595.7	1583.5	1580.7	1577.8	1576.9	1580.7	1589.1	1595.7
17.5°	1611.7	1614.5	1601.3	1584.4	1580.7	1581.6	1580.7	1583.5	1596.6	1608.9
20°	1621.1	1622.9	1605.1	1584.4	1580.7	1581.6	1580.7	1586.3	1603.2	1620.1
22.5°	1623.9	1625.8	1608.9	1591.0	1588.2	1589.1	1588.2	1593.8	1609.8	1626.7
25°	1624.8	1627.6	1614.5	1600.4	1605.1	1607.0	1605.1	1606.0	1618.2	1633.3
27.5°	1638.9	1642.7	1630.5	1618.2	1621.1	1620.1	1622.9	1625.8	1635.2	1650.2
30°	1668.1	1670.9	1660.5	1648.3	1646.4	1639.9	1648.3	1657.7	1668.1	1681.2
32.5°	1716.0	1721.6	1708.5	1695.3	1686.8	1683.1	1689.7	1705.6	1719.7	1733.8
35°	1795.9	1799.6	1787.4	1763.0	1747.9	1747.9	1753.6	1774.2	1796.8	1814.7
37.5°	1908.6	1913.3	1891.7	1862.6	1840.0	1840.0	1847.5	1869.2	1903.0	1928.4
40°	2045.8	2052.4	2025.2	1995.1	1973.5	1969.7	1979.1	2003.5	2035.5	2067.4
42.5°	2211.2	2218.7	2183.0	2156.7	2139.8	2139.8	2144.5	2167.1	2196.2	2235.7
45°	2422.7	2435.8	2387.0	2360.7	2344.7	2348.4	2351.3	2371.0	2397.3	2442.4
47.5°	2674.5	2687.7	2636.0	2608.7	2605.9	2623.8	2612.5	2626.6	2640.7	2692.4
50°	2960.2	2982.8	2947.1	2945.2	2950.8	2983.7	2957.4	2964.9	2948.9	2981.8
52.5°	3309.8	3342.7	3336.1	3347.4	3410.4	3478.0	3417.9	3391.6	3331.4	3341.7
55°	3733.6	3783.4	3792.8	3860.5	4003.3	4141.5	4013.7	3907.5	3779.7	3756.2
57.5°	4215.7	4255.2	4300.3	4438.4	4705.3	4950.6	4705.3	4470.4	4269.3	4221.4
60°	4734.5	4783.3	4826.6	5030.5	5427.1	5771.9	5419.5	5046.5	4780.5	4715.7
62.5°	5291.7	5354.7	5384.8	5611.2	6073.6	6485.2	6080.2	5628.2	5333.1	5263.5
65°	5826.4	5878.1	5912.0	6153.5	6595.2	7007.7	6625.2	6179.8	5876.3	5785.1
67.5°	6075.5	6103.7	6186.4	6459.8	6926.0	7396.8	7004.9	6489.0	6149.7	5990.0
70°	5710.9	5653.5	5852.8	6290.7	6965.4	7635.5	7055.6	6277.5	5862.2	5602.8
72.5°	4413.1	4314.4	4660.2	5409.2	6514.3	7483.2	6559.5	5451.5	4875.4	4349.2
75°	2401.1	2289.2	2766.6	3713.9	5194.9	6486.1	5314.3	3820.1	3080.5	2383.2
77.5°	677.6	635.3	1020.6	1796.8	3124.7	4554.0	3245.0	1836.3	1210.4	718.0
80°	207.7	201.1	272.5	541.3	1326.9	2181.2	1275.2	547.9	346.8	219.0
82.5°	123.1	112.8	135.3	197.3	338.3	685.1	328.9	205.8	165.4	110.9
85°	70.5	65.8	79.9	95.9	113.7	145.7	94.9	97.7	88.3	59.2
87.5°	29.1	26.3	31.0	30.1	26.3	33.8	25.4	30.1	35.7	23.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1649.3
1643.6
1622.9
1600.4
1590.1
1590.1
1596.6
1608.9
1621.1
1626.7
1632.3
1646.4
1678.4
1728.2
1808.1
1919.0
2057.1
2232.8
2440.5
2677.3
2962.1
3307.0
3719.5
4187.5
4659.3
5207.2
5740.0
5991.8
5664.8
4479.8
2538.3
797.8
231.2
120.3
62.0
21.6
0.0

OF REPORT)