

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: P946721

Luminaire Tested: **GALN-SB2B-750-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946721  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2B-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

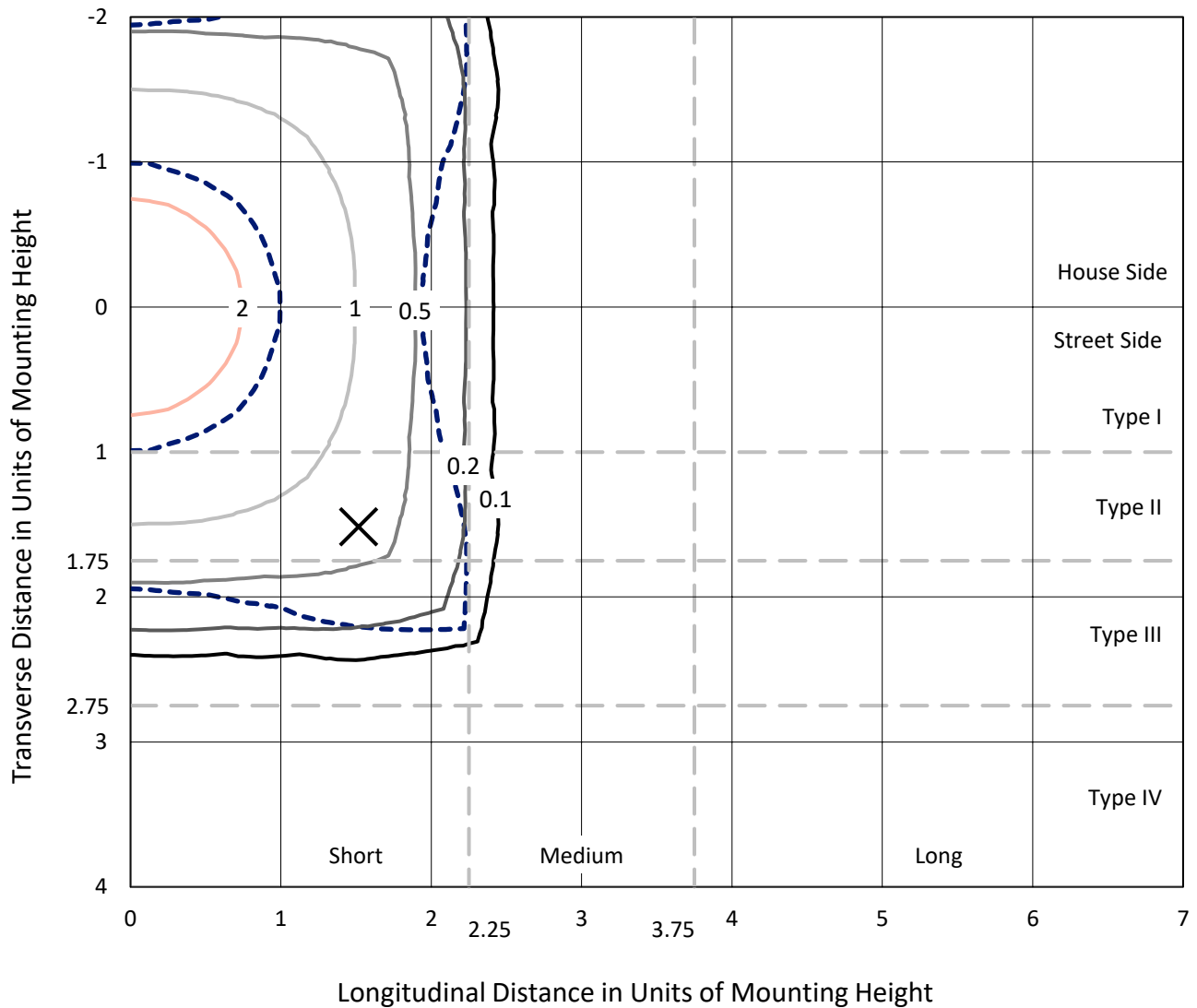
Lumens per Lamp: N/A  
Luminaire Lumens: 12484 lumens  
Efficiency: N/A  
Efficacy: 168.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

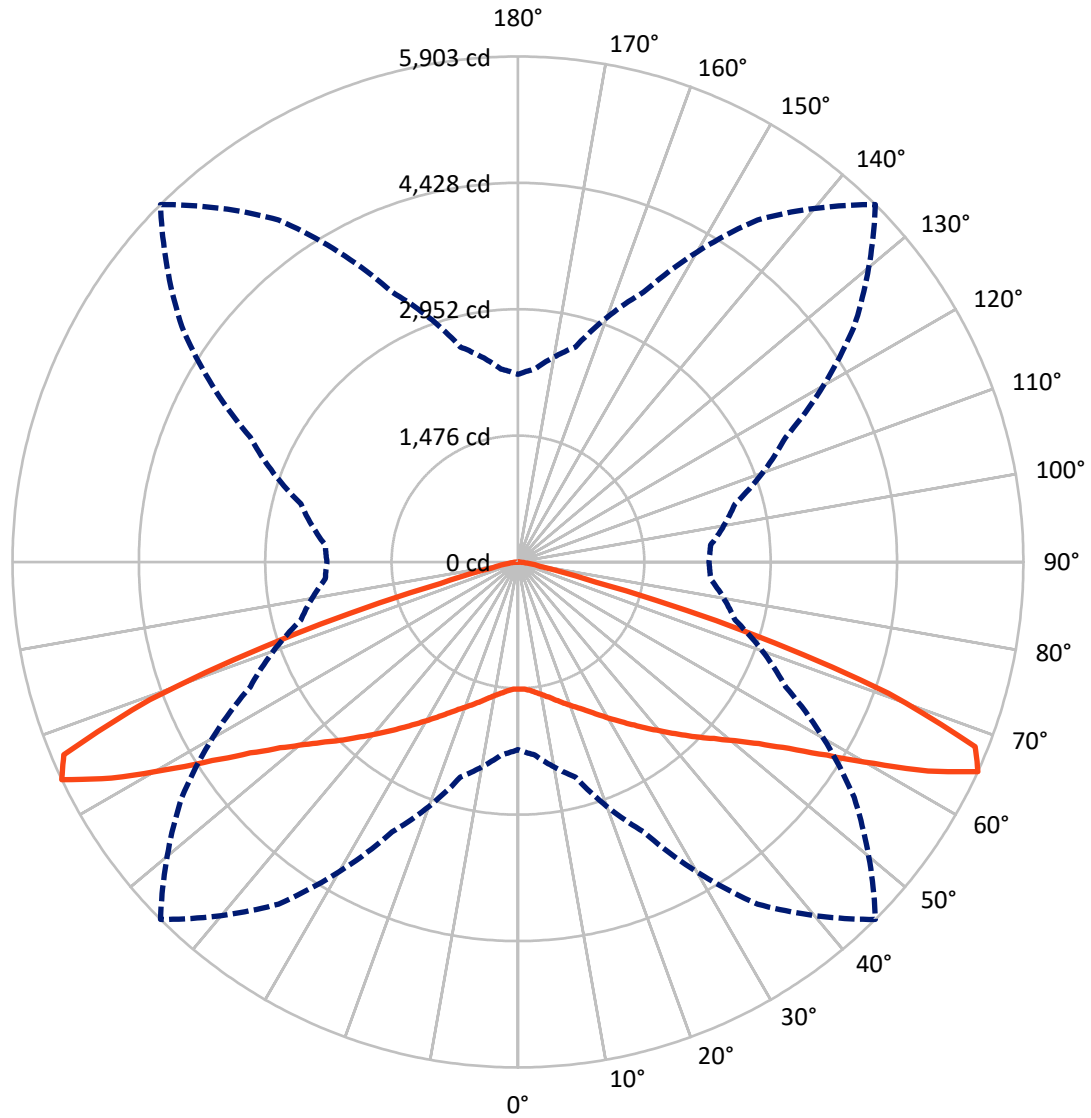
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6242.0	0.0	6242.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6242.0	0.0	6242.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12484.0	0.0	12484.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	1.2
10°-20°	478.5	3.8
20°-30°	903.4	7.2
30°-40°	1479.2	11.8
40°-50°	2293.6	18.4
50°-60°	3388.1	27.1
60°-70°	3225.2	25.8
70°-80°	520.4	4.2
80°-90°	49.1	0.4
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°	12484.0	100.0
0°-180°	12484.0	100.0

**Coefficient of Utilization**



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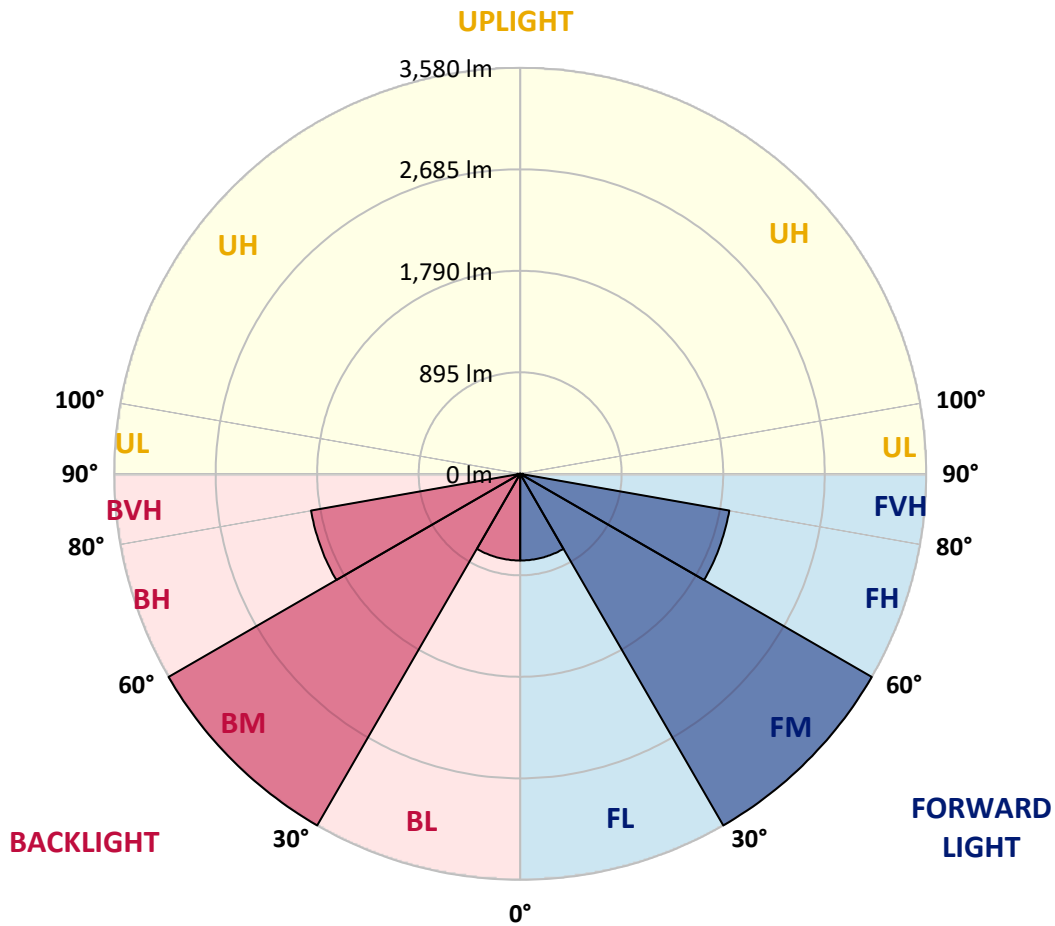
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.2	6.1			
FM (30°-60°)	3580.5	28.7			
FH (60°-80°)	1872.8	15.0			G2/5000
FVH (80°-90°)	24.5	0.2			G1/100
BL (0°-30°)	764.2	6.1	B2/1000		
BM (30°-60°)	3580.5	28.7	B3/5000		
BH (60°-80°)	1872.8	15.0	B3/2500		G2/5000
BVH (80°-90°)	24.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1485.7	1485.7	1485.7	1485.7	1485.7	1485.7	1485.7	1485.7	1485.7	1485.7
2.5°	1495.7	1490.7	1494.5	1491.4	1488.9	1486.3	1487.6	1492.0	1493.9	1494.5
5°	1515.8	1511.4	1513.3	1513.3	1508.9	1507.6	1508.3	1511.4	1515.2	1515.2
7.5°	1548.4	1544.0	1548.4	1545.9	1542.1	1540.8	1540.2	1542.7	1548.4	1548.4
10°	1587.8	1582.8	1585.3	1584.1	1579.7	1577.8	1577.2	1580.9	1585.9	1585.3
12.5°	1631.0	1625.4	1628.5	1624.8	1623.5	1621.6	1621.6	1621.0	1624.1	1621.6
15°	1679.3	1675.5	1676.8	1674.3	1676.1	1674.9	1669.9	1667.4	1668.6	1664.9
17.5°	1736.3	1727.5	1731.9	1730.6	1730.6	1733.1	1725.0	1721.9	1724.4	1720.6
20°	1802.0	1793.3	1795.1	1792.6	1789.5	1792.0	1782.0	1784.5	1786.4	1783.9
22.5°	1874.1	1862.8	1862.2	1863.4	1856.5	1857.2	1850.3	1856.5	1860.3	1853.4
25°	1948.0	1936.1	1944.2	1941.1	1932.3	1934.2	1929.2	1935.4	1938.6	1929.8
27.5°	2026.3	2018.1	2025.6	2027.5	2016.9	2024.4	2016.9	2022.5	2025.6	2012.5
30°	2117.7	2109.6	2116.5	2121.5	2108.9	2120.8	2114.6	2118.3	2119.0	2103.3
32.5°	2217.3	2204.8	2222.3	2224.8	2211.0	2225.4	2217.3	2222.3	2225.4	2204.2
35°	2338.8	2323.2	2343.2	2340.1	2328.2	2340.1	2332.6	2340.1	2347.6	2321.9
37.5°	2469.7	2453.4	2474.7	2469.1	2457.8	2466.0	2461.6	2466.6	2478.5	2450.9
40°	2613.8	2593.7	2622.6	2612.5	2601.9	2600.6	2603.1	2606.3	2621.9	2591.2
42.5°	2767.9	2746.6	2789.8	2774.1	2759.1	2749.1	2757.2	2763.5	2778.5	2744.1
45°	2943.9	2919.5	2975.8	2957.0	2933.2	2912.6	2925.7	2935.1	2957.0	2915.7
47.5°	3138.1	3110.5	3170.6	3165.0	3126.2	3081.1	3111.1	3138.1	3154.3	3104.2
50°	3327.8	3306.5	3385.5	3392.4	3344.8	3281.5	3323.5	3364.2	3368.6	3302.8
52.5°	3505.7	3484.4	3599.1	3642.3	3599.7	3524.5	3569.0	3610.3	3577.1	3491.9
55°	3647.9	3630.4	3776.3	3887.8	3902.2	3840.2	3866.5	3865.3	3756.3	3625.4
57.5°	3682.4	3679.9	3864.0	4100.1	4250.5	4258.0	4206.0	4073.2	3838.3	3662.3
60°	3525.8	3541.4	3794.5	4211.0	4611.9	4778.5	4553.6	4174.7	3745.0	3500.7
62.5°	3057.3	3098.6	3403.6	4075.7	4903.8	5377.3	4832.4	4020.6	3361.7	3042.8
65°	2191.0	2263.0	2600.0	3478.2	4877.4	5903.4	4792.3	3450.0	2625.1	2257.4
67.5°	994.0	1067.3	1353.6	2381.4	4239.8	5760.6	4229.8	2406.5	1421.2	1071.1
70°	360.2	372.7	464.8	953.3	2709.6	4590.0	2825.5	960.2	494.2	397.1
72.5°	218.0	219.9	239.3	341.4	941.4	2786.7	981.5	352.6	244.3	216.7
75°	138.4	137.2	170.4	208.6	333.8	940.2	350.1	208.6	169.7	154.7
77.5°	99.6	102.7	122.1	156.0	210.5	318.8	206.7	149.1	122.1	100.2
80°	74.5	76.4	88.9	121.5	147.8	198.6	131.5	110.2	92.1	62.6
82.5°	53.9	53.9	58.3	88.3	90.2	107.1	71.4	77.7	60.8	44.5
85°	31.9	31.3	36.3	52.6	47.0	39.5	32.6	47.6	38.2	27.6
87.5°	11.3	11.9	11.3	15.0	12.5	10.6	10.0	13.2	10.6	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1485.7
1494.5
1515.2
1546.5
1584.1
1622.9
1665.5
1723.7
1789.5
1860.3
1939.8
2022.5
2112.7
2218.6
2337.6
2467.8
2601.3
2762.2
2937.0
3121.1
3310.9
3494.5
3629.7
3651.0
3471.9
3024.1
2230.5
1055.4
392.1
220.5
156.0
102.1
64.5
44.5
26.9
8.8
0.0

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