

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: P956360

Luminaire Tested: **GALN-SB9A-750-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956360  
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-SB9A-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

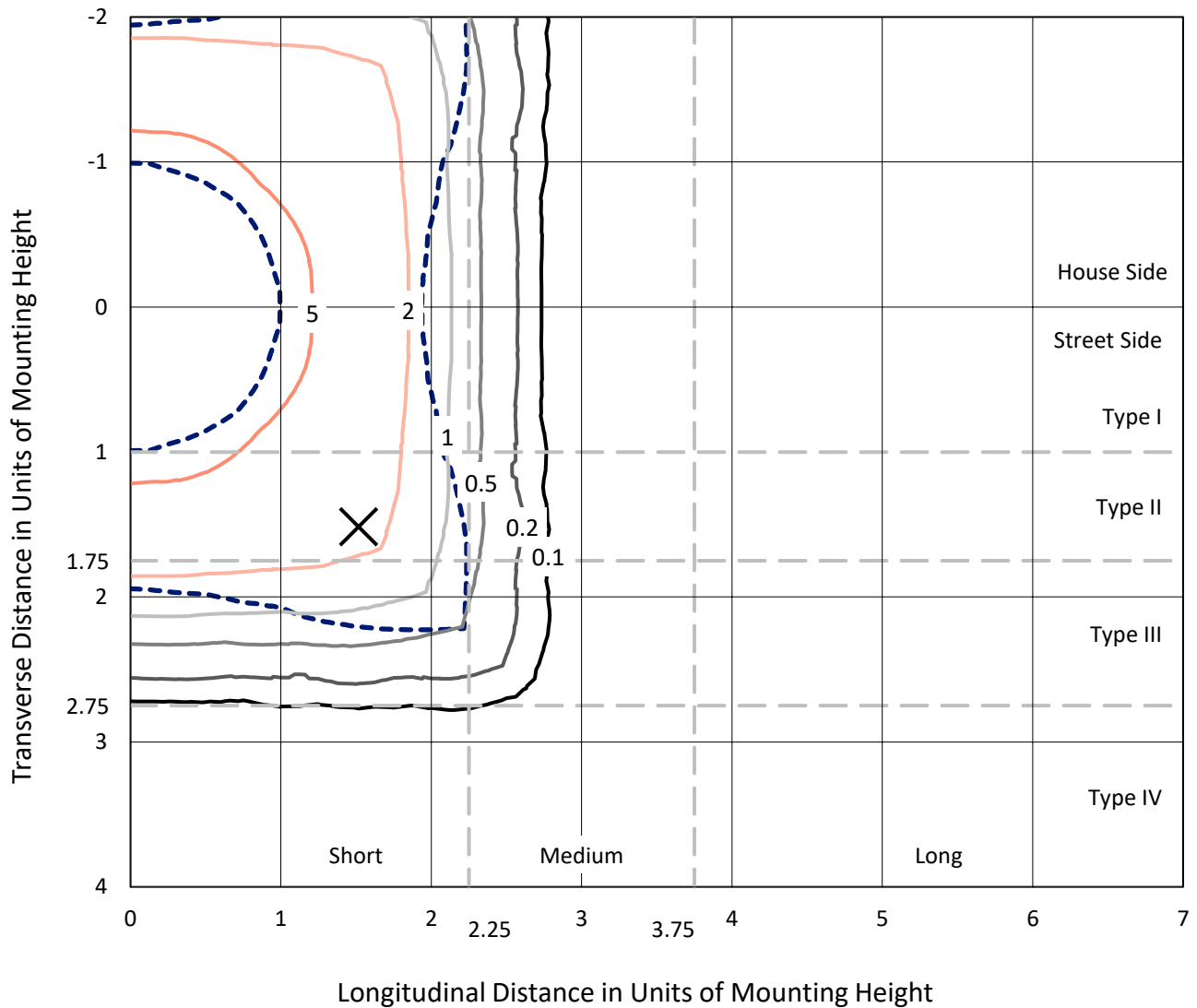
Lumens per Lamp: N/A  
Luminaire Lumens: 45297 lumens  
Efficiency: N/A  
Efficacy: 177.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

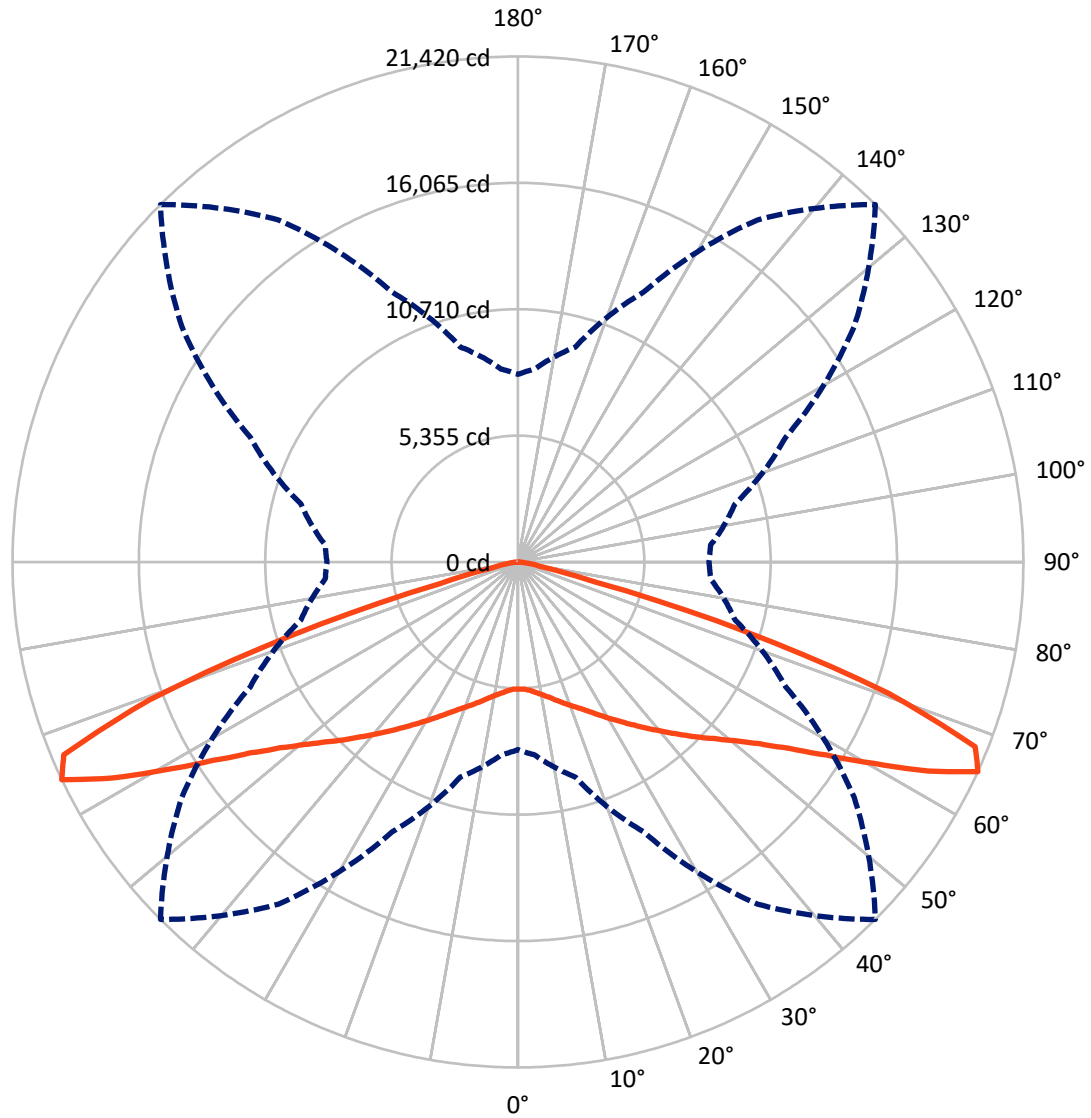
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	22648.5	0.0	22648.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22648.5	0.0	22648.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45297.0	0.0	45297.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	532.0	1.2
10°-20°	1736.0	3.8
20°-30°	3277.8	7.2
30°-40°	5367.3	11.8
40°-50°	8322.0	18.4
50°-60°	12293.4	27.1
60°-70°	11702.2	25.8
70°-80°	1888.3	4.2
80°-90°	178.0	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°	45297.0	100.0
0°-180°	45297.0	100.0



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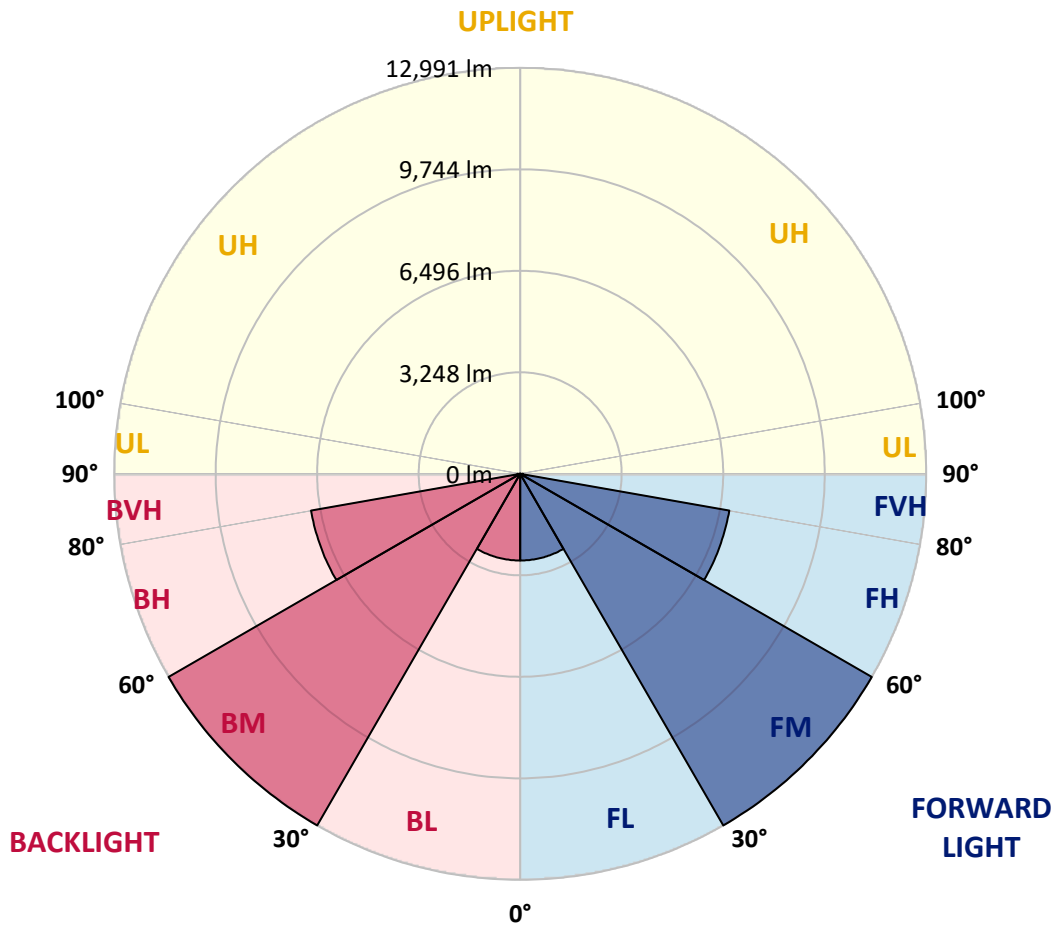
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2772.9	6.1			
FM (30°-60°)	12991.4	28.7			
FH (60°-80°)	6795.2	15.0			G3/7500
FVH (80°-90°)	89.0	0.2			G1/100
BL (0°-30°)	2772.9	6.1	B4/5000		
BM (30°-60°)	12991.4	28.7	B5		
BH (60°-80°)	6795.2	15.0	B5		G3/7500
BVH (80°-90°)	89.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5390.8	5390.8	5390.8	5390.8	5390.8	5390.8	5390.8	5390.8	5390.8	5390.8
2.5°	5427.2	5409.0	5422.6	5411.3	5402.2	5393.1	5397.6	5413.5	5420.3	5422.6
5°	5499.9	5484.0	5490.8	5490.8	5474.9	5470.3	5472.6	5484.0	5497.6	5497.6
7.5°	5618.1	5602.2	5618.1	5609.0	5595.3	5590.8	5588.5	5597.6	5618.1	5618.1
10°	5761.2	5743.1	5752.2	5747.6	5731.7	5724.9	5722.6	5736.2	5754.4	5752.2
12.5°	5918.1	5897.6	5909.0	5895.3	5890.8	5884.0	5884.0	5881.7	5893.1	5884.0
15°	6093.1	6079.4	6084.0	6074.9	6081.7	6077.1	6059.0	6049.9	6054.4	6040.8
17.5°	6299.9	6268.1	6284.0	6279.4	6279.4	6288.5	6259.0	6247.6	6256.7	6243.1
20°	6538.5	6506.7	6513.5	6504.4	6493.0	6502.1	6465.8	6474.9	6481.7	6472.6
22.5°	6799.9	6758.9	6756.7	6761.2	6736.2	6738.5	6713.5	6736.2	6749.9	6724.9
25°	7068.0	7024.9	7054.4	7043.0	7011.2	7018.0	6999.9	7022.6	7033.9	7002.1
27.5°	7352.1	7322.6	7349.8	7356.7	7318.0	7345.3	7318.0	7338.5	7349.8	7302.1
30°	7683.9	7654.4	7679.4	7697.6	7652.1	7695.3	7672.6	7686.2	7688.5	7631.7
32.5°	8045.3	7999.8	8063.5	8072.6	8022.6	8074.8	8045.3	8063.5	8074.8	7997.6
35°	8486.2	8429.4	8502.1	8490.7	8447.6	8490.7	8463.5	8490.7	8518.0	8424.8
37.5°	8961.2	8902.1	8979.4	8958.9	8918.0	8947.5	8931.6	8949.8	8993.0	8893.0
40°	9483.9	9411.2	9515.7	9479.3	9440.7	9436.2	9445.3	9456.6	9513.4	9402.1
42.5°	10043.0	9965.7	10122.5	10065.7	10011.2	9974.8	10004.3	10027.1	10081.6	9956.6
45°	10681.6	10593.0	10797.5	10729.3	10643.0	10568.0	10615.7	10649.8	10729.3	10579.3
47.5°	11386.1	11286.1	11504.3	11483.9	11342.9	11179.3	11288.4	11386.1	11445.2	11263.4
50°	12074.7	11997.5	12283.8	12308.8	12136.1	11906.6	12058.8	12206.6	12222.5	11983.8
52.5°	12720.2	12642.9	13058.8	13215.6	13061.1	12788.4	12949.7	13099.7	12979.3	12670.2
55°	13236.1	13172.5	13702.0	14106.5	14158.8	13933.8	14029.3	14024.7	13629.3	13154.3
57.5°	13361.1	13352.0	14020.2	14877.0	15422.4	15449.7	15261.0	14779.2	13927.0	13288.4
60°	12792.9	12849.7	13767.9	15279.2	16733.7	17338.3	16522.4	15147.4	13588.4	12702.0
62.5°	11092.9	11242.9	12349.7	14788.3	17792.8	19511.0	17533.7	14588.3	12197.5	11040.7
65°	7949.8	8211.2	9433.9	12620.2	17697.4	21420.0	17388.3	12517.9	9524.8	8190.7
67.5°	3606.7	3872.6	4911.3	8640.7	15383.8	20901.8	15347.4	8731.6	5156.7	3886.3
70°	1306.8	1352.2	1686.3	3459.0	9831.6	16654.2	10252.1	3484.0	1793.1	1440.9
72.5°	790.9	797.7	868.2	1238.6	3415.8	10111.2	3561.3	1279.5	886.3	786.3
75°	502.3	497.7	618.2	756.8	1211.3	3411.3	1270.4	756.8	615.9	561.4
77.5°	361.4	372.7	443.2	565.9	763.6	1156.8	750.0	540.9	443.2	363.6
80°	270.4	277.3	322.7	440.9	536.4	720.4	477.3	400.0	334.1	227.3
82.5°	195.5	195.5	211.4	320.4	327.3	388.6	259.1	281.8	220.4	161.4
85°	115.9	113.6	131.8	190.9	170.5	143.2	118.2	172.7	138.6	100.0
87.5°	40.9	43.2	40.9	54.5	45.5	38.6	36.4	47.7	38.6	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5390.8
5422.6
5497.6
5611.2
5747.6
5888.5
6043.1
6254.4
6493.0
6749.9
7038.5
7338.5
7665.7
8049.8
8481.6
8954.4
9438.4
10022.5
10656.6
11324.8
12013.4
12679.3
13170.2
13247.4
12597.5
10972.5
8093.0
3829.5
1422.7
800.0
565.9
370.4
234.1
161.4
97.7
31.8
0.0

OF REPORT)