

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: P955877

Luminaire Tested: **GALN-SB8C-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955877
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-SB8C-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44145 lumens
Efficiency: N/A
Efficacy: 110.4 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

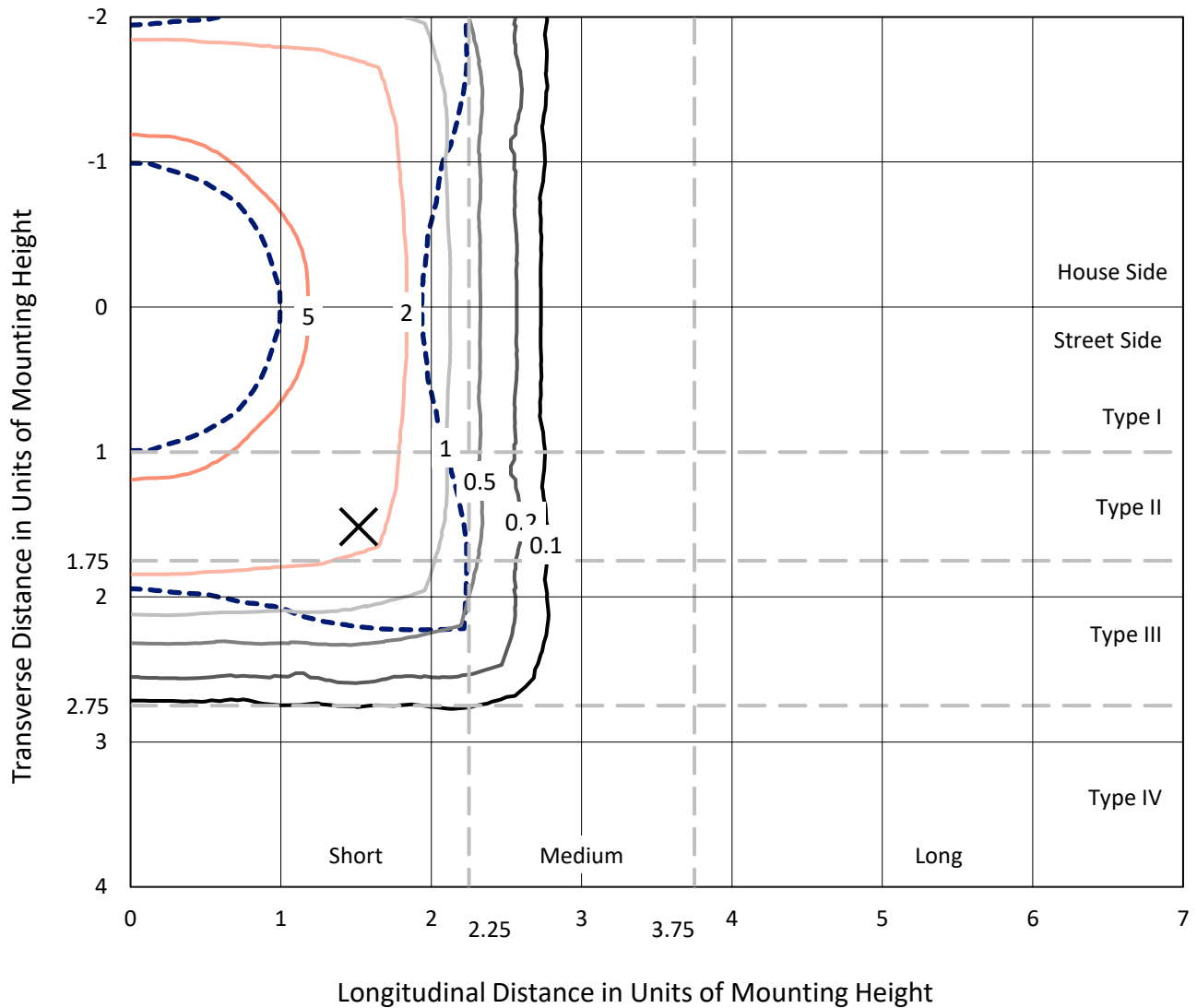
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

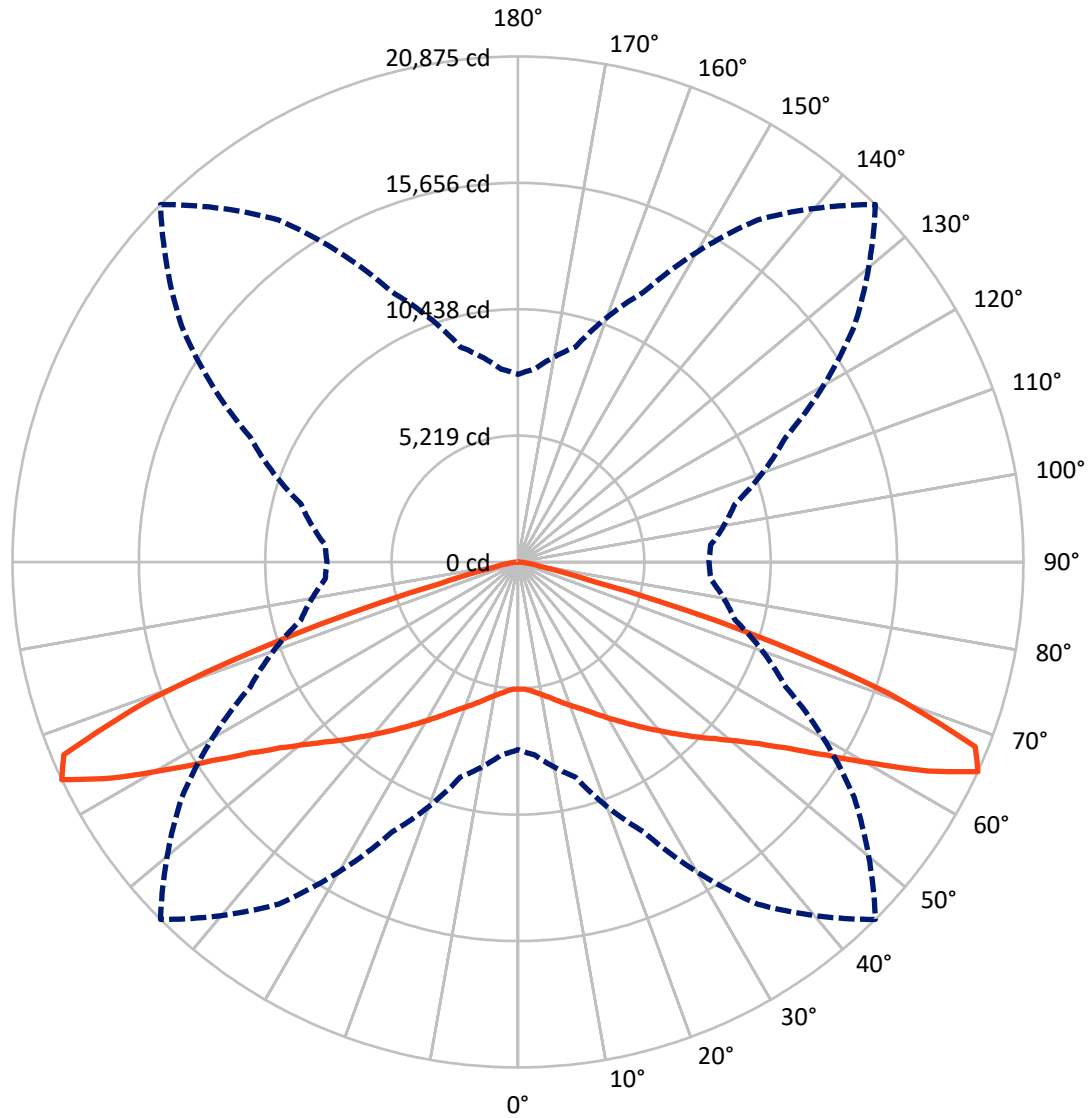
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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
House Side	Lumens	22072.5	0.0	22072.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22072.5	0.0	22072.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44145.0	0.0	44145.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.5	1.2
10°-20°	1691.9	3.8
20°-30°	3194.4	7.2
30°-40°	5230.8	11.8
40°-50°	8110.4	18.4
50°-60°	11980.7	27.1
60°-70°	11404.6	25.8
70°-80°	1840.3	4.2
80°-90°	173.5	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°	44145.0	100.0
0°-180°	44145.0	100.0



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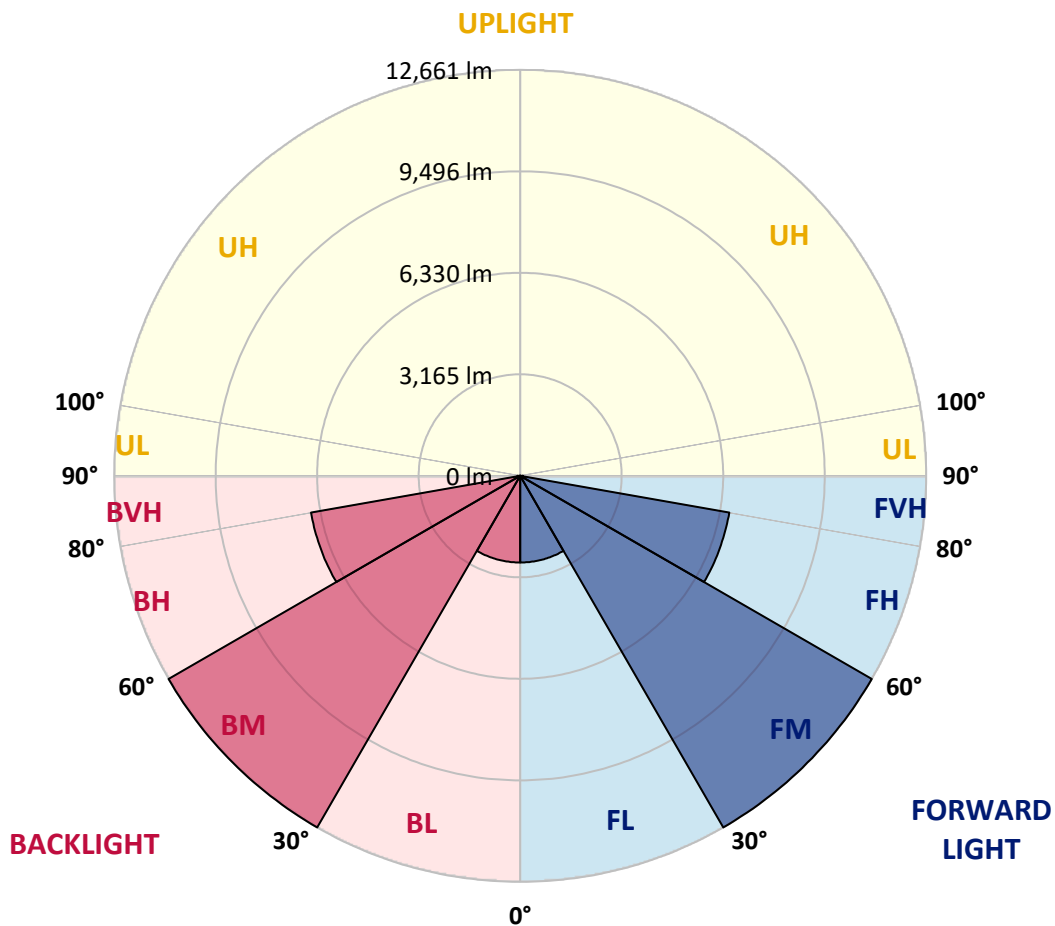
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2702.4	6.1			
FM (30°-60°)	12661.0	28.7			
FH (60°-80°)	6622.4	15.0			G3/7500
FVH (80°-90°)	86.7	0.2			G1/100
BL (0°-30°)	2702.4	6.1	B4/5000		
BM (30°-60°)	12661.0	28.7	B5		
BH (60°-80°)	6622.4	15.0	B5		G3/7500
BVH (80°-90°)	86.7	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°	5253.7	5253.7	5253.7	5253.7	5253.7	5253.7	5253.7	5253.7	5253.7	5253.7
2.5°	5289.1	5271.4	5284.7	5273.6	5264.8	5255.9	5260.3	5275.8	5282.5	5284.7
5°	5360.0	5344.5	5351.2	5351.2	5335.6	5331.2	5333.4	5344.5	5357.8	5357.8
7.5°	5475.2	5459.7	5475.2	5466.3	5453.0	5448.6	5446.4	5455.3	5475.2	5475.2
10°	5614.7	5597.0	5605.9	5601.4	5585.9	5579.3	5577.1	5590.4	5608.1	5605.9
12.5°	5767.5	5747.6	5758.7	5745.4	5741.0	5734.3	5734.3	5732.1	5743.2	5734.3
15°	5938.1	5924.8	5929.2	5920.4	5927.0	5922.6	5904.9	5896.0	5900.4	5887.2
17.5°	6139.6	6108.6	6124.1	6119.7	6119.7	6128.6	6099.8	6088.7	6097.6	6084.3
20°	6372.2	6341.2	6347.8	6339.0	6327.9	6336.8	6301.3	6310.2	6316.8	6308.0
22.5°	6626.9	6587.1	6584.8	6589.3	6564.9	6567.1	6542.8	6564.9	6578.2	6553.8
25°	6888.3	6846.2	6875.0	6863.9	6832.9	6839.6	6821.8	6844.0	6855.1	6824.0
27.5°	7165.1	7136.3	7162.9	7169.6	7131.9	7158.5	7131.9	7151.8	7162.9	7116.4
30°	7488.5	7459.7	7484.1	7501.8	7457.5	7499.6	7477.4	7490.7	7492.9	7437.6
32.5°	7840.7	7796.4	7858.4	7867.3	7818.5	7869.5	7840.7	7858.4	7869.5	7794.2
35°	8270.4	8215.0	8285.9	8274.8	8232.7	8274.8	8248.2	8274.8	8301.4	8210.6
37.5°	8733.3	8675.7	8751.0	8731.1	8691.2	8720.0	8704.5	8722.2	8764.3	8666.8
40°	9242.7	9171.8	9273.7	9238.3	9200.6	9196.2	9205.0	9216.1	9271.5	9163.0
42.5°	9787.6	9712.3	9865.1	9809.7	9756.5	9721.1	9749.9	9772.1	9825.2	9703.4
45°	10409.9	10323.6	10522.9	10456.5	10372.3	10299.2	10345.7	10378.9	10456.5	10310.3
47.5°	11096.6	10999.1	11211.7	11191.8	11054.5	10895.0	11001.3	11096.6	11154.1	10976.9
50°	11767.7	11692.4	11971.4	11995.8	11827.5	11603.8	11752.2	11896.1	11911.6	11679.1
52.5°	12396.7	12321.4	12726.7	12879.5	12728.9	12463.1	12620.4	12766.6	12649.2	12348.0
55°	12899.5	12837.4	13353.5	13747.8	13798.7	13579.4	13672.5	13668.0	13282.6	12819.7
57.5°	13021.3	13012.4	13663.6	14498.6	15030.2	15056.8	14872.9	14403.4	13572.8	12950.4
60°	12467.6	12522.9	13417.7	14890.6	16308.2	16897.3	16102.2	14762.2	13242.8	12379.0
62.5°	10810.8	10957.0	12035.7	14412.2	17340.3	19014.7	17087.8	14217.3	11887.3	10759.9
65°	7747.7	8002.4	9194.0	12299.2	17247.3	20875.2	16946.1	12199.6	9282.6	7982.4
67.5°	3515.0	3774.2	4786.4	8421.0	14992.5	20370.3	14957.1	8509.6	5025.6	3787.4
70°	1273.6	1317.9	1643.4	3371.0	9581.6	16230.6	9991.3	3395.4	1747.5	1404.2
72.5°	770.8	777.4	846.1	1207.1	3329.0	9854.0	3470.7	1247.0	863.8	766.3
75°	489.5	485.1	602.4	737.6	1180.5	3324.5	1238.1	737.6	600.2	547.1
77.5°	352.2	363.2	431.9	551.5	744.2	1127.4	730.9	527.1	431.9	354.4
80°	263.6	270.2	314.5	429.7	522.7	702.1	465.1	389.8	325.6	221.5
82.5°	190.5	190.5	206.0	312.3	318.9	378.7	252.5	274.6	214.8	157.3
85°	113.0	110.7	128.5	186.0	166.1	139.5	115.2	168.3	135.1	97.5
87.5°	39.9	42.1	39.9	53.2	44.3	37.7	35.4	46.5	37.7	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5253.7
5284.7
5357.8
5468.5
5601.4
5738.8
5889.4
6095.4
6327.9
6578.2
6859.5
7151.8
7470.8
7845.1
8265.9
8726.6
9198.4
9767.6
10385.6
11036.7
11707.9
12356.8
12835.2
12910.5
12277.1
10693.4
7887.2
3732.1
1386.5
779.6
551.5
361.0
228.1
157.3
95.2
31.0
0.0

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