

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: P955855

Luminaire Tested: **GALN-SB8C-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45957 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

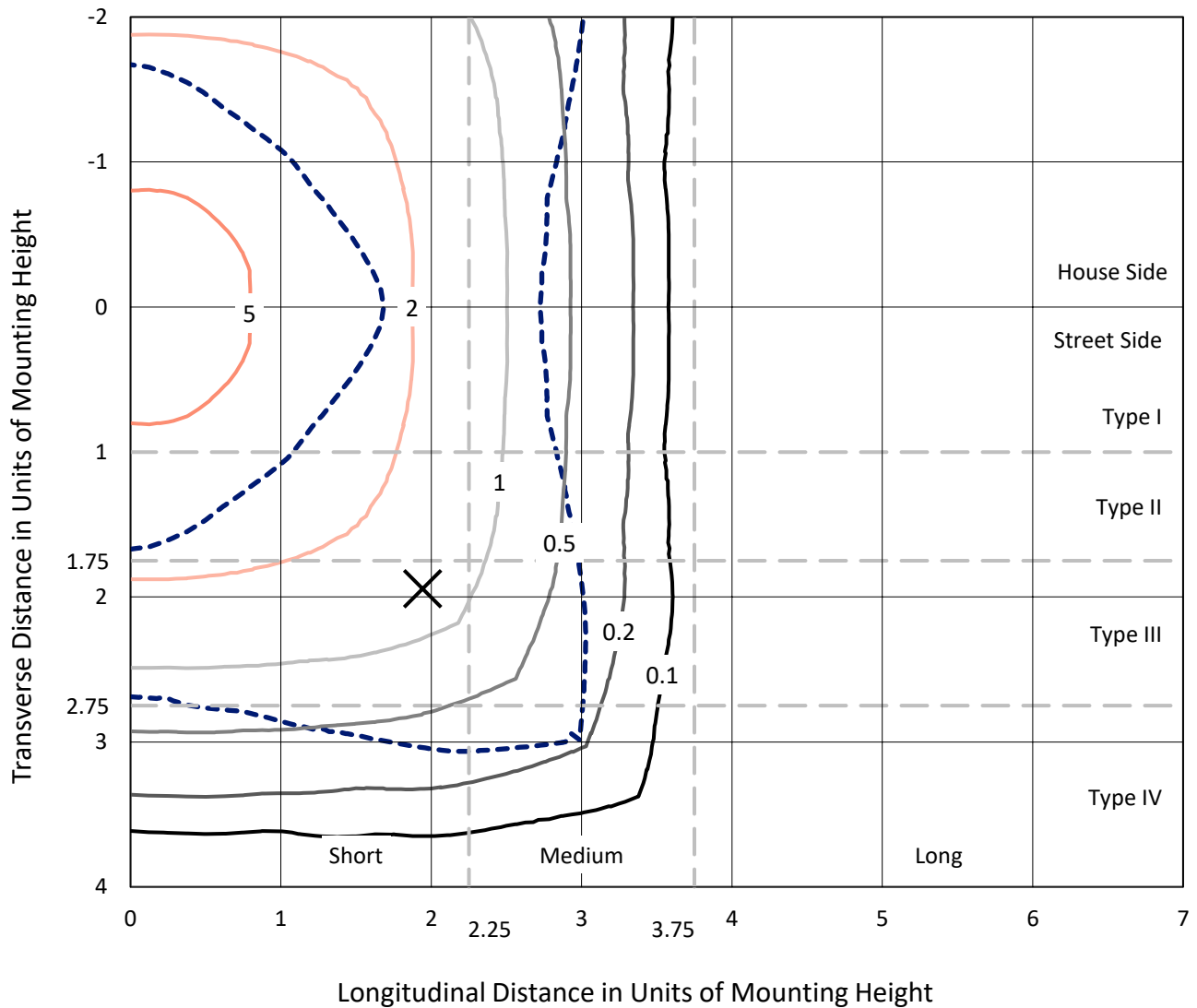
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

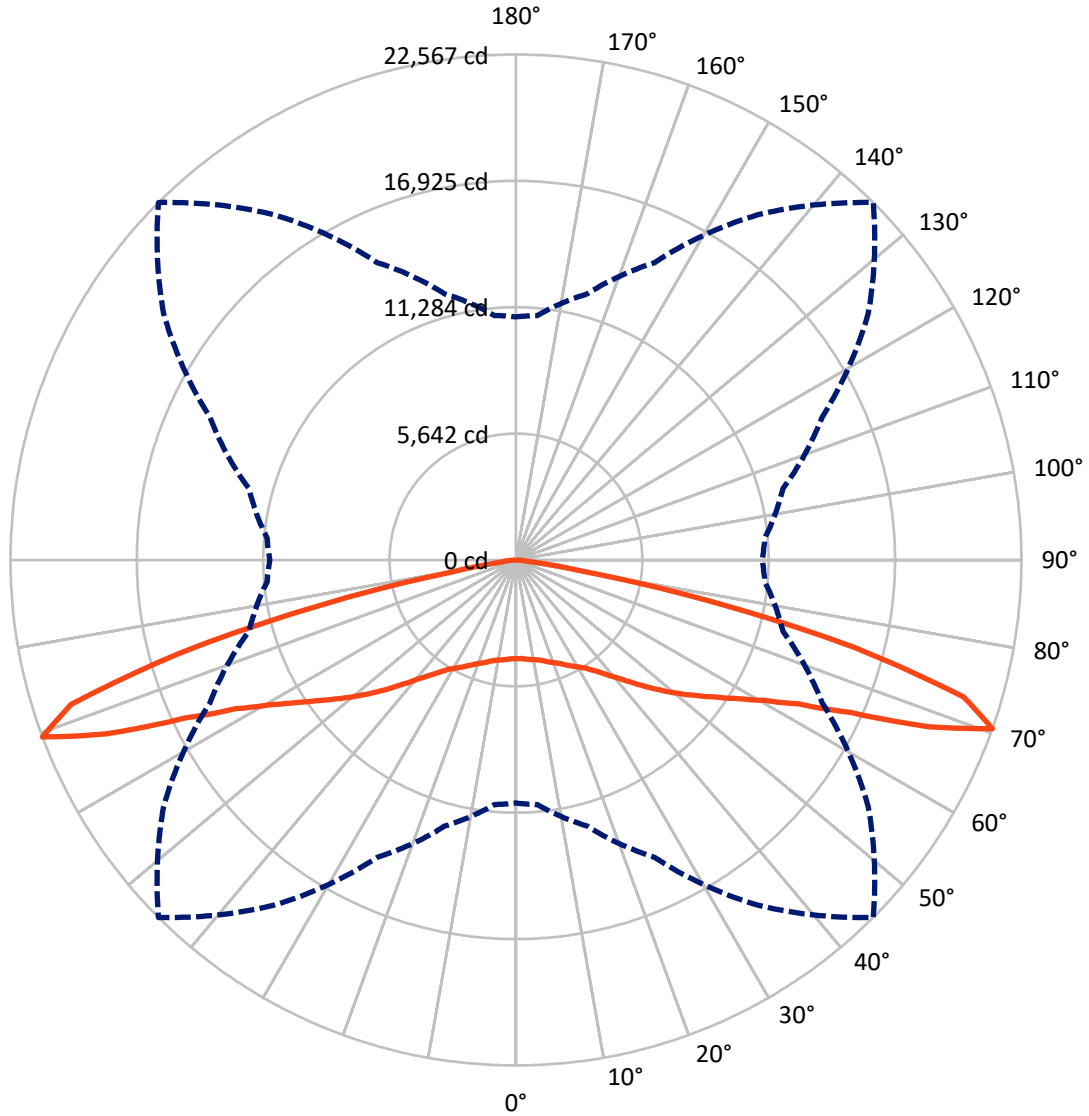
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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
House Side	Lumens	22978.5	0.0	22978.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22978.5	0.0	22978.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45957.0	0.0	45957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.7	0.9
10°-20°	1326.2	2.9
20°-30°	2370.0	5.2
30°-40°	3841.8	8.4
40°-50°	6257.6	13.6
50°-60°	9540.8	20.8
60°-70°	14193.6	30.9
70°-80°	7736.0	16.8
80°-90°	263.4	0.6
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°	45957.0	100.0
0°-180°	45957.0	100.0

Coefficient of Utilization



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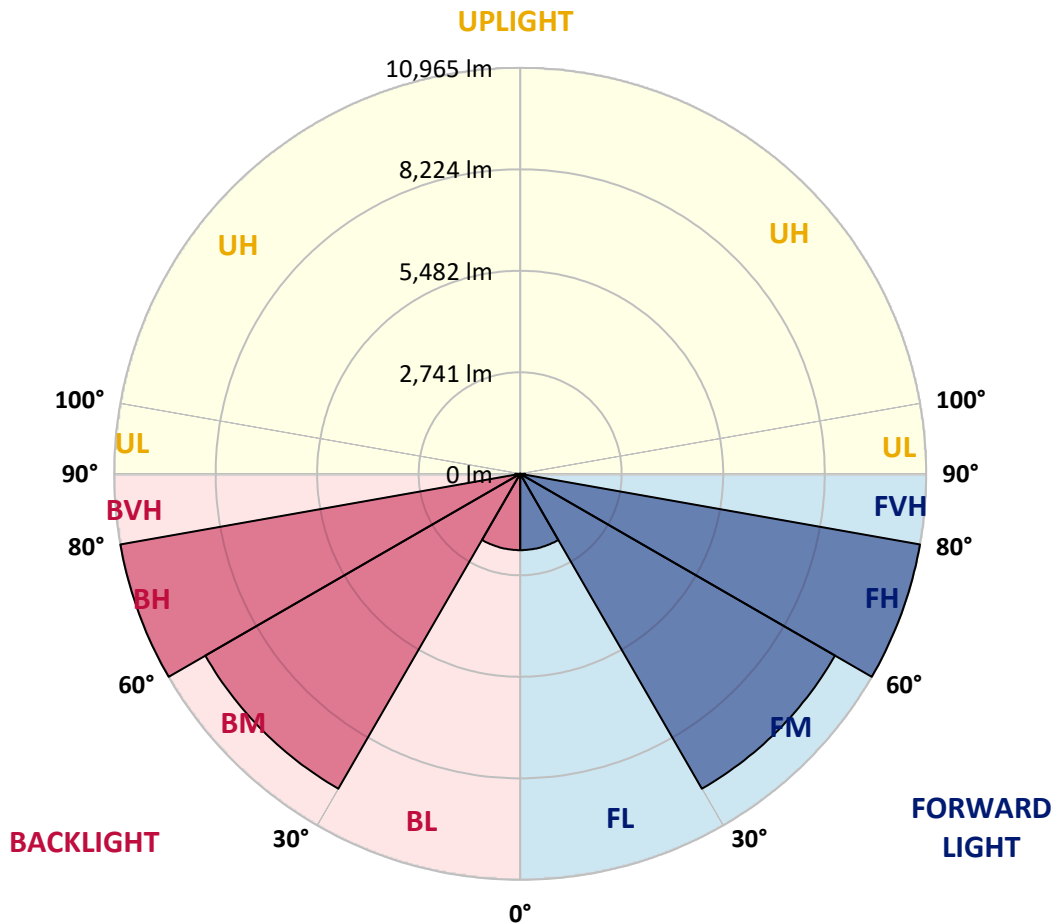
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2061.9	4.5			
FM (30°-60°)	9820.1	21.4			
FH (60°-80°)	10964.8	23.9			G4/12000
FVH (80°-90°)	131.7	0.3			G2/225
BL (0°-30°)	2061.9	4.5	B3/2500		
BM (30°-60°)	9820.1	21.4	B5		
BH (60°-80°)	10964.8	23.9	B5		G4/12000
BVH (80°-90°)	131.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4402.2	4402.2	4402.2	4402.2	4402.2	4402.2	4402.2	4402.2	4402.2	4402.2
2.5°	4423.0	4427.6	4418.4	4413.7	4409.1	4402.2	4404.5	4416.0	4425.3	4423.0
5°	4459.9	4464.5	4457.6	4455.3	4446.0	4443.7	4443.7	4455.3	4462.2	4457.6
7.5°	4501.4	4508.3	4496.8	4494.5	4489.9	4485.3	4483.0	4494.5	4501.4	4501.4
10°	4540.6	4547.6	4538.3	4531.4	4526.8	4526.8	4522.2	4531.4	4542.9	4540.6
12.5°	4582.2	4586.8	4577.6	4572.9	4572.9	4579.9	4572.9	4577.6	4586.8	4582.2
15°	4632.9	4635.2	4632.9	4639.9	4651.4	4674.5	4653.7	4649.1	4653.7	4642.2
17.5°	4702.1	4706.8	4716.0	4732.1	4748.3	4789.8	4752.9	4741.4	4741.4	4718.3
20°	4787.5	4794.4	4808.3	4836.0	4856.7	4896.0	4859.0	4842.9	4836.0	4806.0
22.5°	4877.5	4889.0	4909.8	4946.7	4983.6	5020.5	4983.6	4955.9	4935.2	4896.0
25°	4981.3	4995.2	5027.5	5087.5	5138.2	5191.3	5147.4	5092.1	5050.5	4995.2
27.5°	5129.0	5145.1	5184.4	5258.2	5322.8	5368.9	5327.4	5255.9	5198.2	5131.3
30°	5336.6	5352.8	5398.9	5477.4	5521.2	5551.2	5523.5	5468.1	5398.9	5322.8
32.5°	5604.3	5625.0	5675.8	5749.6	5758.9	5763.5	5754.2	5726.6	5675.8	5583.5
35°	5943.4	5966.5	6024.2	6084.2	6075.0	6084.2	6070.3	6061.1	6024.2	5918.1
37.5°	6358.7	6386.4	6446.4	6492.6	6469.5	6458.0	6460.3	6462.6	6441.8	6324.1
40°	6841.0	6877.9	6921.7	6970.2	6930.9	6896.3	6919.4	6937.9	6919.4	6799.4
42.5°	7337.0	7390.1	7436.2	7505.4	7473.1	7429.3	7461.6	7482.4	7443.1	7313.9
45°	7888.4	7939.2	7999.2	8103.0	8079.9	8033.8	8079.9	8084.6	8017.6	7865.4
47.5°	8458.3	8511.4	8601.4	8739.8	8730.6	8679.8	8739.8	8707.5	8622.1	8439.9
50°	8998.2	9072.0	9210.5	9404.3	9422.7	9360.5	9441.2	9378.9	9235.9	9007.4
52.5°	9505.8	9584.3	9803.4	10066.5	10133.4	10052.6	10161.1	10052.6	9838.1	9545.0
55°	10038.8	10126.5	10387.2	10731.0	10864.8	10804.8	10906.3	10742.5	10437.9	10082.6
57.5°	10666.3	10719.4	11030.9	11439.3	11665.4	11679.2	11725.4	11448.5	11079.3	10675.6
60°	11347.0	11420.8	11760.0	12249.1	12606.7	12722.1	12673.6	12263.0	11833.8	11370.1
62.5°	12219.1	12299.9	12705.9	13292.0	13857.3	14143.4	13954.2	13358.9	12828.2	12272.2
65°	12941.3	13031.3	13765.0	14810.1	15839.2	16413.7	15938.4	14842.4	13887.2	13102.8
67.5°	12417.5	12528.3	13679.6	15599.2	18157.9	19872.2	18245.6	15834.6	13963.4	12899.8
70°	10853.2	10957.1	12299.9	14646.3	18810.9	22567.1	19203.1	15077.8	12343.7	11153.2
72.5°	7205.5	7540.0	8899.0	11713.8	16796.7	20882.8	16962.8	11476.2	8255.3	7189.3
75°	2390.3	2657.9	3585.4	6072.6	11250.1	15617.7	10710.2	5373.6	2840.2	2044.2
77.5°	602.2	694.5	957.5	1737.3	4487.6	8892.1	4040.0	1418.9	772.9	539.9
80°	293.0	323.0	461.4	579.1	1123.6	2826.4	1054.4	544.5	364.5	281.5
82.5°	161.5	163.8	260.7	327.6	417.6	731.4	433.8	318.4	210.0	170.7
85°	99.2	96.9	138.4	175.3	175.3	260.7	207.7	175.3	120.0	106.1
87.5°	39.2	39.2	50.8	55.4	48.5	66.9	53.1	57.7	46.1	43.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4402.2
4425.3
4459.9
4501.4
4540.6
4579.9
4642.2
4718.3
4806.0
4893.6
4992.9
5129.0
5322.8
5585.8
5918.1
6324.1
6799.4
7323.2
7881.5
8428.3
9002.8
9517.3
10034.2
10620.2
11296.2
12175.3
12973.6
12740.6
10994.0
6956.3
1933.5
482.2
258.4
170.7
110.7
46.1
0.0

OF REPORT)