

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: P955792

Luminaire Tested: **GALN-SB8C-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955792
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-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38603 lumens
Efficiency: N/A
Efficacy: 96.6 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

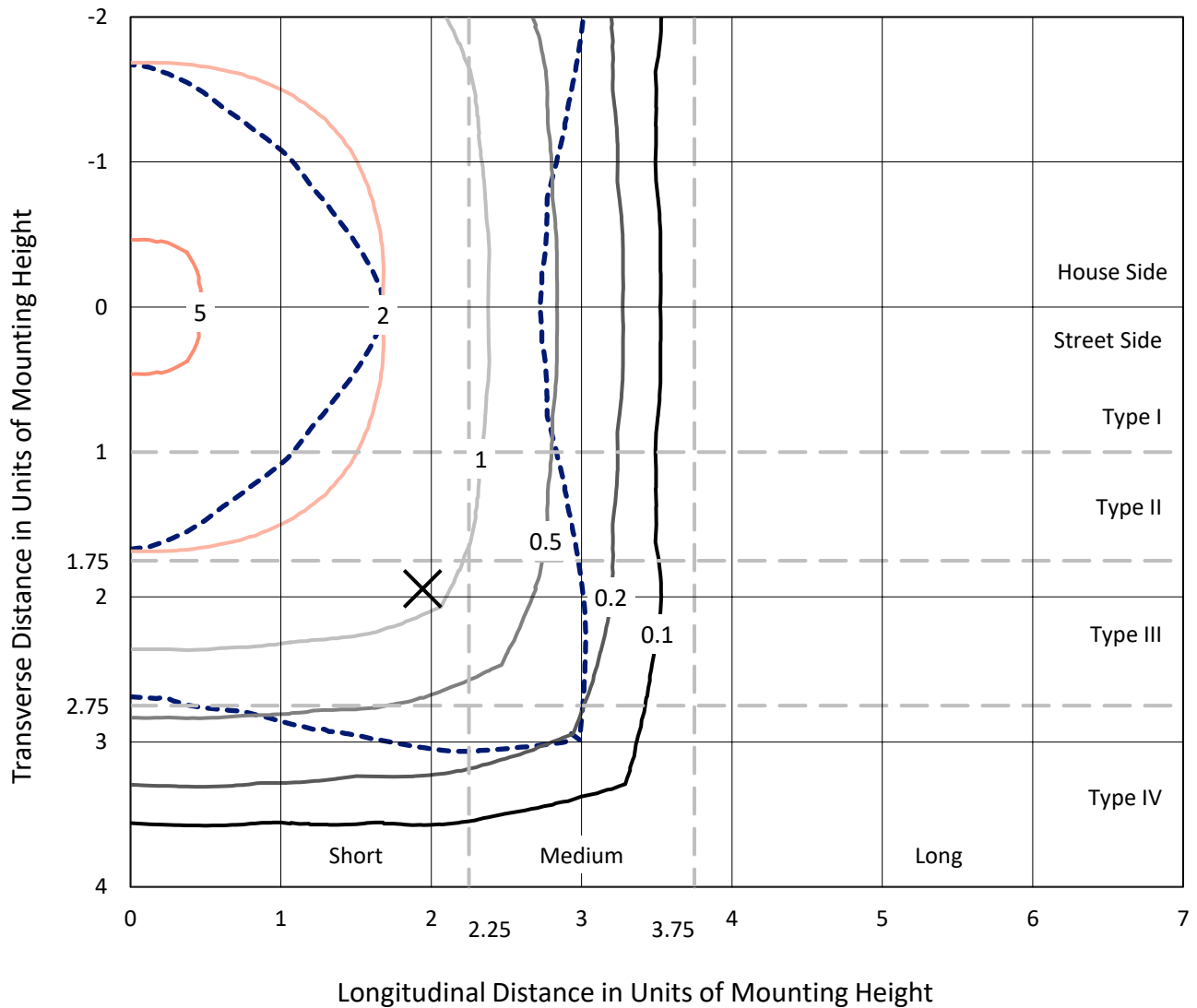
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

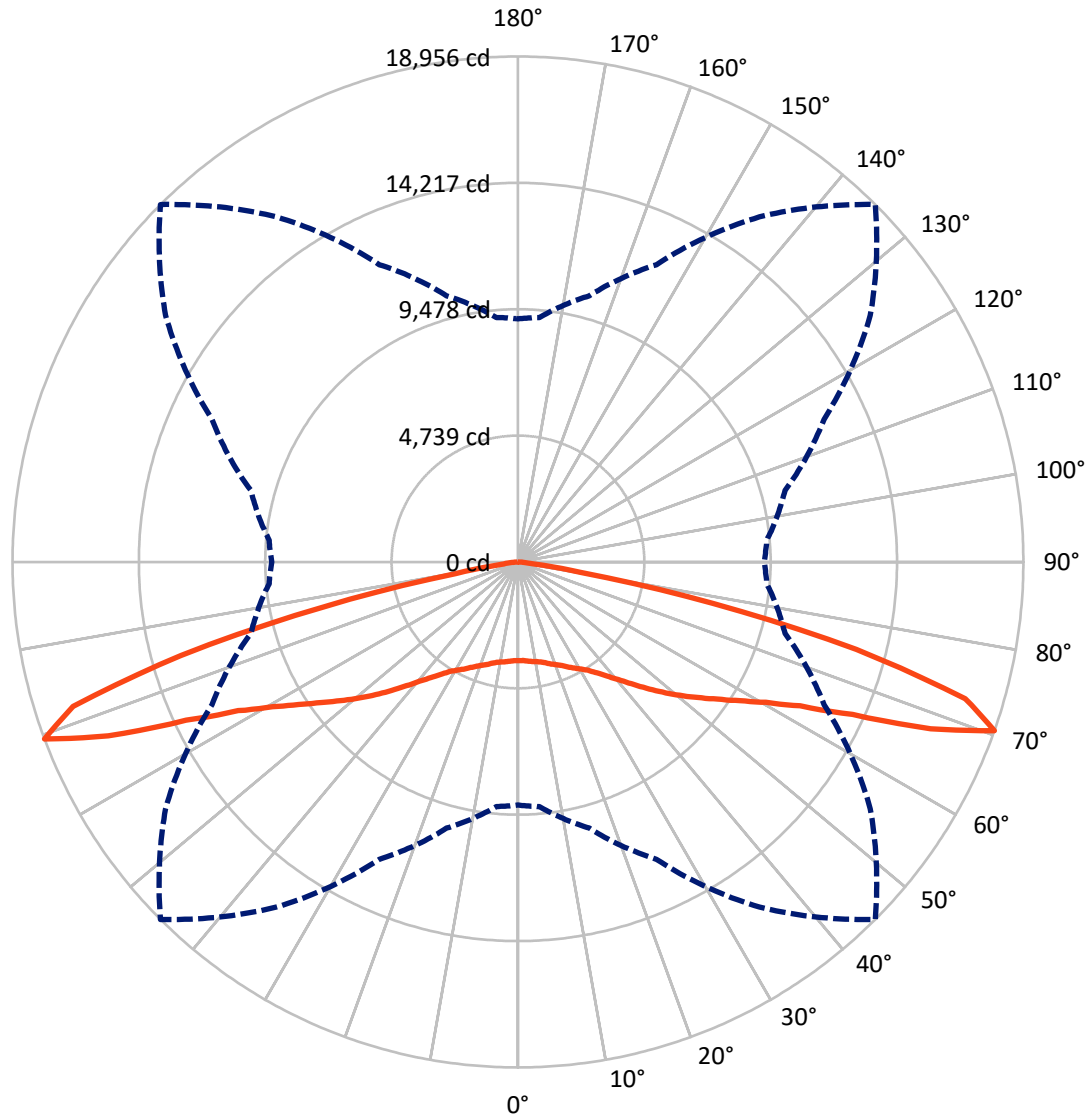
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	19301.5	0.0	19301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19301.5	0.0	19301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38603.0	0.0	38603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.2	0.9
10°-20°	1114.0	2.9
20°-30°	1990.8	5.2
30°-40°	3227.0	8.4
40°-50°	5256.3	13.6
50°-60°	8014.0	20.8
60°-70°	11922.3	30.9
70°-80°	6498.1	16.8
80°-90°	221.3	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°	38603.0	100.0
0°-180°	38603.0	100.0

Coefficient of Utilization



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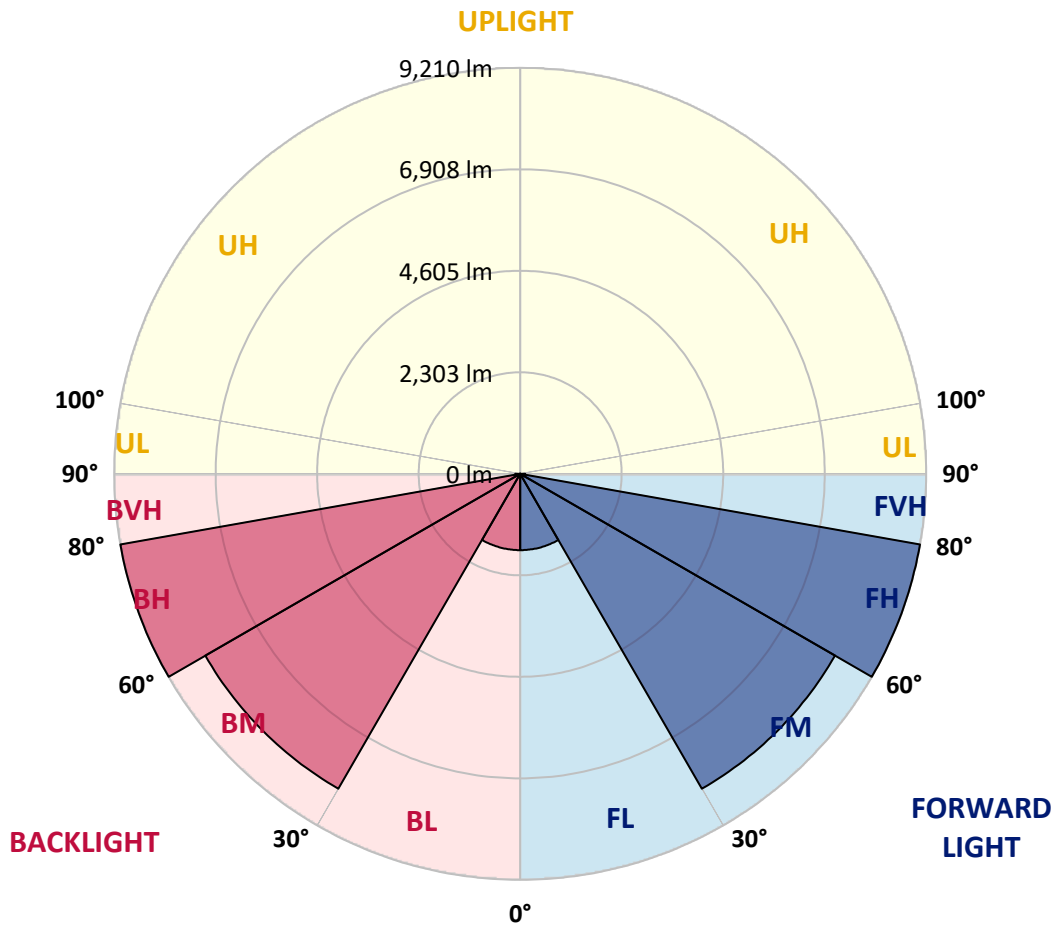
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.0	4.5			
FM (30°-60°)	8248.7	21.4			
FH (60°-80°)	9210.2	23.9			G4/12000
FVH (80°-90°)	110.6	0.3			G2/225
BL (0°-30°)	1732.0	4.5	B3/2500		
BM (30°-60°)	8248.7	21.4	B4/8500		
BH (60°-80°)	9210.2	23.9	B5		G4/12000
BVH (80°-90°)	110.6	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°	3697.8	3697.8	3697.8	3697.8	3697.8	3697.8	3697.8	3697.8	3697.8	3697.8
2.5°	3715.2	3719.1	3711.3	3707.5	3703.6	3697.8	3699.7	3709.4	3717.1	3715.2
5°	3746.2	3750.1	3744.3	3742.3	3734.6	3732.7	3732.7	3742.3	3748.2	3744.3
7.5°	3781.1	3786.9	3777.2	3775.3	3771.4	3767.5	3765.6	3775.3	3781.1	3781.1
10°	3814.0	3819.9	3812.1	3806.3	3802.4	3802.4	3798.5	3806.3	3816.0	3814.0
12.5°	3848.9	3852.8	3845.1	3841.2	3841.2	3847.0	3841.2	3845.1	3852.8	3848.9
15°	3891.6	3893.5	3891.6	3897.4	3907.1	3926.5	3909.0	3905.1	3909.0	3899.3
17.5°	3949.7	3953.6	3961.3	3974.9	3988.5	4023.4	3992.3	3982.7	3982.7	3963.3
20°	4021.4	4027.2	4038.9	4062.1	4079.6	4112.5	4081.5	4067.9	4062.1	4036.9
22.5°	4097.0	4106.7	4124.1	4155.1	4186.2	4217.2	4186.2	4162.9	4145.5	4112.5
25°	4184.2	4195.8	4223.0	4273.4	4316.0	4360.6	4323.8	4277.2	4242.4	4195.8
27.5°	4308.2	4321.8	4354.8	4416.8	4471.0	4509.8	4474.9	4414.8	4366.4	4310.2
30°	4482.7	4496.2	4535.0	4600.9	4637.7	4662.9	4639.7	4593.1	4535.0	4471.0
32.5°	4707.5	4724.9	4767.6	4829.6	4837.3	4841.2	4833.5	4810.2	4767.6	4690.0
35°	4992.4	5011.8	5060.2	5110.6	5102.8	5110.6	5099.0	5091.2	5060.2	4971.1
37.5°	5341.2	5364.5	5414.9	5453.6	5434.2	5424.6	5426.5	5428.4	5411.0	5312.1
40°	5746.3	5777.3	5814.1	5854.8	5821.9	5792.8	5812.2	5827.7	5812.2	5711.4
42.5°	6162.9	6207.5	6246.3	6304.4	6277.3	6240.5	6267.6	6285.0	6252.1	6143.6
45°	6626.1	6668.8	6719.2	6806.4	6787.0	6748.2	6787.0	6790.9	6734.7	6606.8
47.5°	7104.8	7149.4	7225.0	7341.3	7333.5	7290.9	7341.3	7314.1	7242.4	7089.3
50°	7558.3	7620.3	7736.6	7899.4	7914.9	7862.6	7930.4	7878.1	7757.9	7566.1
52.5°	7984.7	8050.6	8234.7	8455.6	8511.8	8444.0	8535.1	8444.0	8263.8	8017.6
55°	8432.4	8506.0	8725.0	9013.8	9126.2	9075.8	9161.1	9023.5	8767.7	8469.2
57.5°	8959.5	9004.1	9265.7	9608.8	9798.7	9810.3	9849.1	9616.5	9306.4	8967.3
60°	9531.2	9593.3	9878.2	10289.0	10589.4	10686.3	10645.6	10300.6	9940.2	9550.6
62.5°	10263.8	10331.7	10672.8	11165.0	11639.8	11880.1	11721.2	11221.2	10775.5	10308.4
65°	10870.4	10946.0	11562.3	12440.2	13304.6	13787.2	13387.9	12467.4	11665.0	11006.1
67.5°	10430.5	10523.5	11490.6	13103.0	15252.3	16692.3	15326.0	13300.7	11729.0	10835.5
70°	9116.5	9203.7	10331.7	12302.6	15800.8	18955.9	16130.3	12665.0	10368.5	9368.5
72.5°	6052.5	6333.5	7475.0	9839.4	14108.9	17541.1	14248.4	9639.8	6934.3	6038.9
75°	2007.8	2232.6	3011.7	5100.9	9449.9	13118.5	8996.4	4513.7	2385.7	1717.1
77.5°	505.8	583.3	804.3	1459.3	3769.5	7469.2	3393.5	1191.9	649.2	453.5
80°	246.1	271.3	387.6	486.4	943.8	2374.1	885.7	457.4	306.2	236.4
82.5°	135.7	137.6	219.0	275.2	350.8	614.4	364.4	267.4	176.4	143.4
85°	83.3	81.4	116.3	147.3	147.3	219.0	174.4	147.3	100.8	89.1
87.5°	32.9	32.9	42.6	46.5	40.7	56.2	44.6	48.5	38.8	36.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3697.8
3717.1
3746.2
3781.1
3814.0
3847.0
3899.3
3963.3
4036.9
4110.6
4193.9
4308.2
4471.0
4692.0
4971.1
5312.1
5711.4
6151.3
6620.3
7079.6
7562.2
7994.4
8428.5
8920.8
9488.6
10227.0
10897.6
10701.8
9234.7
5843.2
1624.1
405.0
217.1
143.4
93.0
38.8
0.0

OF REPORT)