

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: P952999

Luminaire Tested: **GALN-SB6C-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952999
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-SB6C-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 34464 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

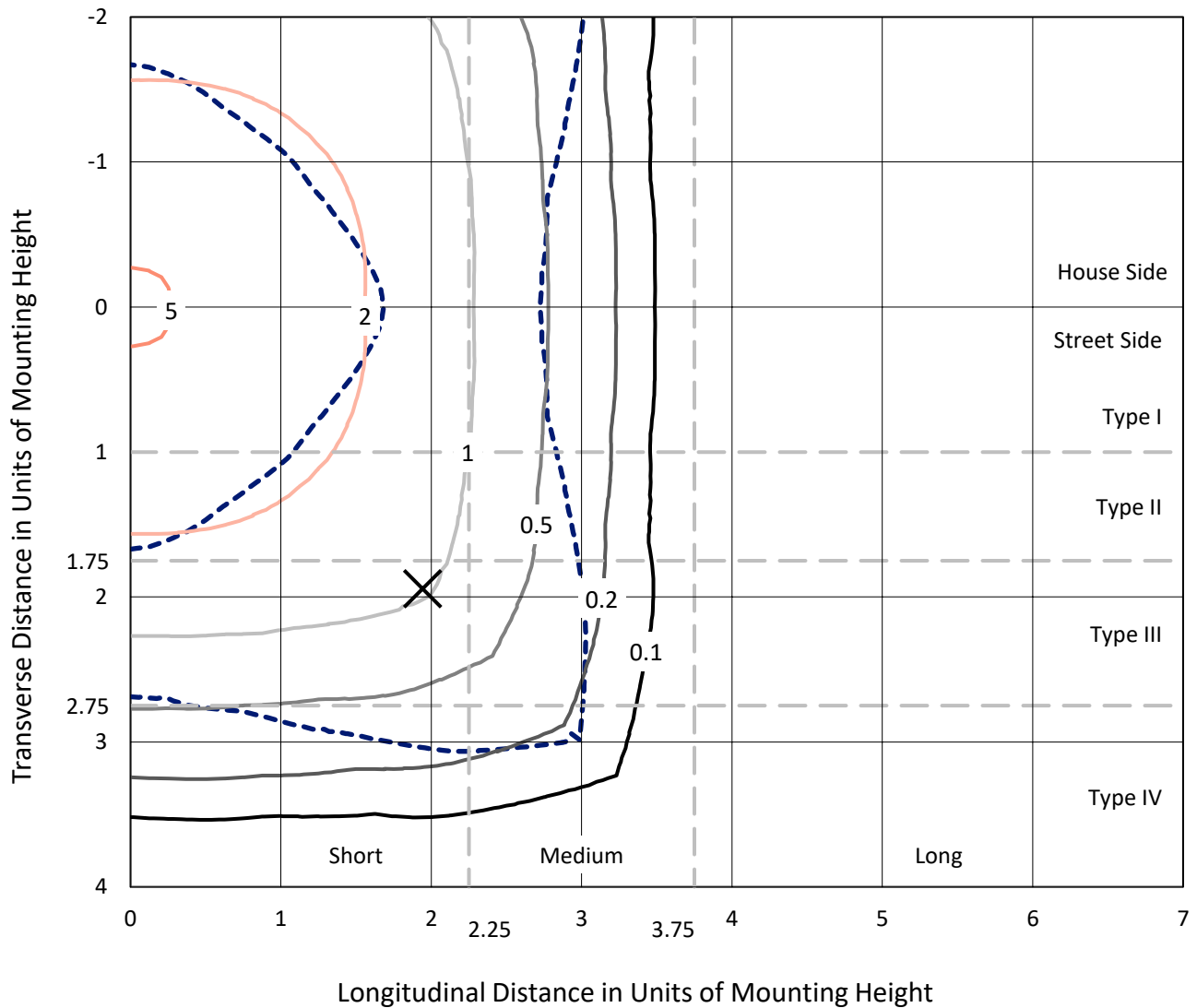
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

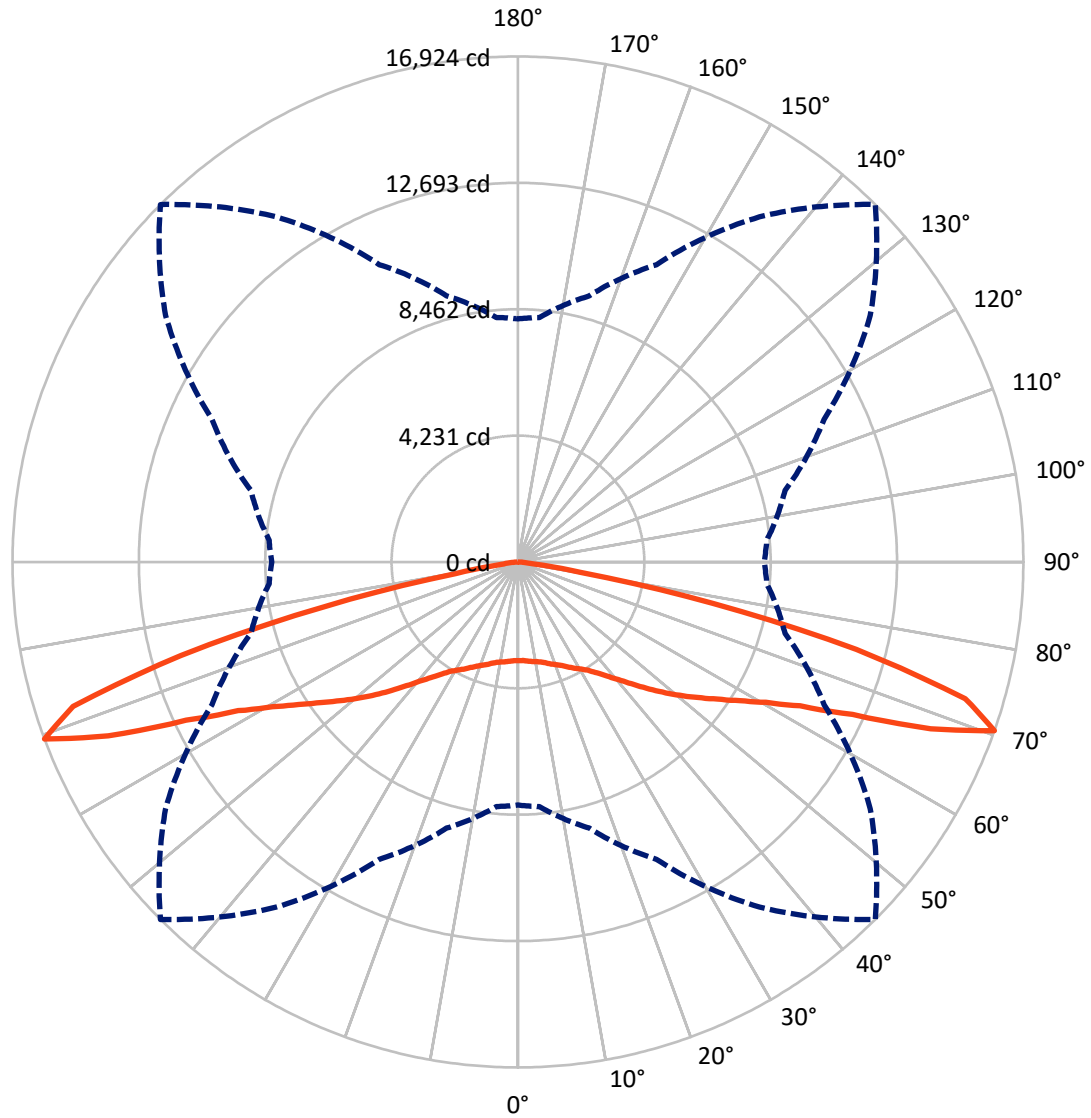
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	17232.0	0.0	17232.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17232.0	0.0	17232.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34464.0	0.0	34464.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	0.9
10°-20°	994.5	2.9
20°-30°	1777.3	5.2
30°-40°	2881.0	8.4
40°-50°	4692.7	13.6
50°-60°	7154.8	20.8
60°-70°	10644.0	30.9
70°-80°	5801.3	16.8
80°-90°	197.6	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°	34464.0	100.0
0°-180°	34464.0	100.0

Coefficient of Utilization



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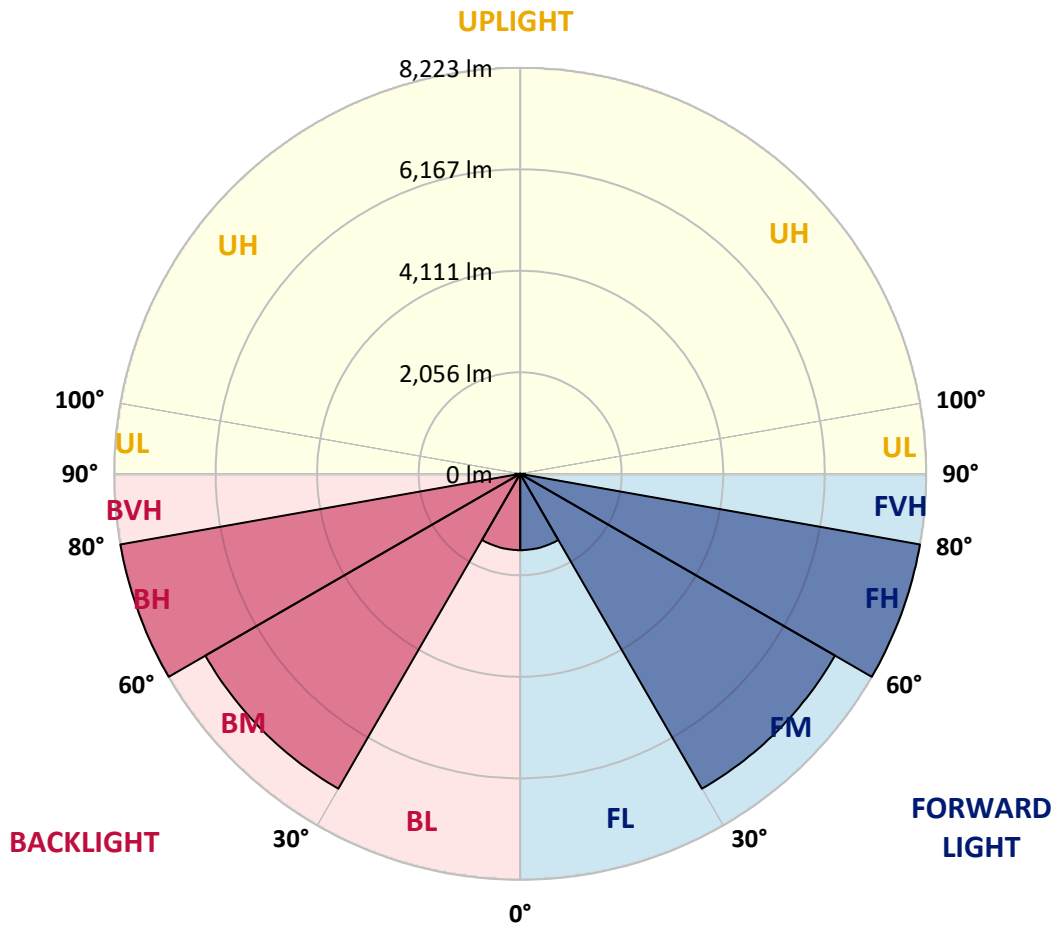
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1546.3	4.5			
FM (30°-60°)	7364.2	21.4			
FH (60°-80°)	8222.7	23.9			G4/12000
FVH (80°-90°)	98.8	0.3			G1/100
BL (0°-30°)	1546.3	4.5	B3/2500		
BM (30°-60°)	7364.2	21.4	B4/8500		
BH (60°-80°)	8222.7	23.9	B5		G4/12000
BVH (80°-90°)	98.8	0.3			G1/100
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°	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3
2.5°	3316.9	3320.3	3313.4	3309.9	3306.5	3301.3	3303.0	3311.7	3318.6	3316.9
5°	3344.6	3348.0	3342.8	3341.1	3334.2	3332.4	3332.4	3341.1	3346.3	3342.8
7.5°	3375.7	3380.9	3372.2	3370.5	3367.0	3363.6	3361.9	3370.5	3375.7	3375.7
10°	3405.1	3410.3	3403.4	3398.2	3394.7	3394.7	3391.3	3398.2	3406.8	3405.1
12.5°	3436.3	3439.7	3432.8	3429.3	3429.3	3434.5	3429.3	3432.8	3439.7	3436.3
15°	3474.3	3476.0	3474.3	3479.5	3488.2	3505.5	3489.9	3486.4	3489.9	3481.2
17.5°	3526.2	3529.7	3536.6	3548.7	3560.8	3592.0	3564.3	3555.6	3555.6	3538.3
20°	3590.2	3595.4	3605.8	3626.6	3642.2	3671.6	3643.9	3631.8	3626.6	3604.1
22.5°	3657.7	3666.4	3681.9	3709.6	3737.3	3765.0	3737.3	3716.6	3701.0	3671.6
25°	3735.6	3746.0	3770.2	3815.2	3853.2	3893.0	3860.2	3818.6	3787.5	3746.0
27.5°	3846.3	3858.4	3887.8	3943.2	3991.7	4026.3	3995.1	3941.5	3898.2	3848.0
30°	4002.0	4014.2	4048.8	4107.6	4140.5	4163.0	4142.2	4100.7	4048.8	3991.7
32.5°	4202.7	4218.3	4256.4	4311.8	4318.7	4322.1	4315.2	4294.5	4256.4	4187.2
35°	4457.1	4474.4	4517.7	4562.6	4555.7	4562.6	4552.3	4545.3	4517.7	4438.1
37.5°	4768.5	4789.3	4834.3	4868.9	4851.6	4842.9	4844.7	4846.4	4830.8	4742.6
40°	5130.2	5157.8	5190.7	5227.0	5197.6	5171.7	5189.0	5202.8	5189.0	5099.0
42.5°	5502.2	5542.0	5576.6	5628.5	5604.2	5571.4	5595.6	5611.2	5581.7	5484.9
45°	5915.7	5953.7	5998.7	6076.6	6059.3	6024.7	6059.3	6062.8	6012.6	5898.4
47.5°	6343.1	6382.8	6450.3	6554.1	6547.2	6509.2	6554.1	6529.9	6465.9	6329.2
50°	6747.9	6803.3	6907.1	7052.5	7066.3	7019.6	7080.1	7033.4	6926.1	6754.8
52.5°	7128.6	7187.4	7351.8	7549.0	7599.2	7538.6	7620.0	7538.6	7377.7	7158.0
55°	7528.3	7594.0	7789.5	8047.3	8147.7	8102.7	8178.8	8056.0	7827.6	7561.1
57.5°	7998.9	8038.7	8272.3	8578.5	8748.1	8758.5	8793.1	8585.4	8308.6	8005.8
60°	8509.3	8564.7	8819.0	9185.8	9454.0	9540.5	9504.2	9196.2	8874.4	8526.6
62.5°	9163.3	9223.9	9528.4	9967.9	10391.8	10606.4	10464.5	10018.1	9620.1	9203.1
65°	9704.9	9772.4	10322.6	11106.4	11878.1	12308.9	11952.5	11130.6	10414.3	9826.0
67.5°	9312.1	9395.2	10258.6	11698.1	13617.0	14902.5	13682.7	11874.6	10471.4	9673.8
70°	8139.0	8216.9	9223.9	10983.6	14106.6	16923.5	14400.8	11307.1	9256.8	8364.0
72.5°	5403.5	5654.4	6673.5	8784.4	12596.1	15660.4	12720.7	8606.2	6190.8	5391.4
75°	1792.5	1993.2	2688.8	4554.0	8436.6	11712.0	8031.8	4029.7	2129.9	1533.0
77.5°	451.6	520.8	718.0	1302.9	3365.3	6668.3	3029.6	1064.1	579.6	404.9
80°	219.7	242.2	346.0	434.3	842.6	2119.5	790.7	408.3	273.4	211.1
82.5°	121.1	122.8	195.5	245.7	313.2	548.5	325.3	238.8	157.5	128.0
85°	74.4	72.7	103.8	131.5	131.5	195.5	155.7	131.5	90.0	79.6
87.5°	29.4	29.4	38.1	41.5	36.3	50.2	39.8	43.3	34.6	32.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3301.3
3318.6
3344.6
3375.7
3405.1
3434.5
3481.2
3538.3
3604.1
3669.8
3744.2
3846.3
3991.7
4188.9
4438.1
4742.6
5099.0
5491.8
5910.5
6320.6
6751.4
7137.2
7524.8
7964.3
8471.2
9130.5
9729.1
9554.4
8244.6
5216.7
1449.9
361.6
193.8
128.0
83.1
34.6
0.0

OF REPORT)