

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: P955498

Luminaire Tested: **GALN-SB8B-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955498
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-SB8B-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34555 lumens
Efficiency: N/A
Efficacy: 118.0 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

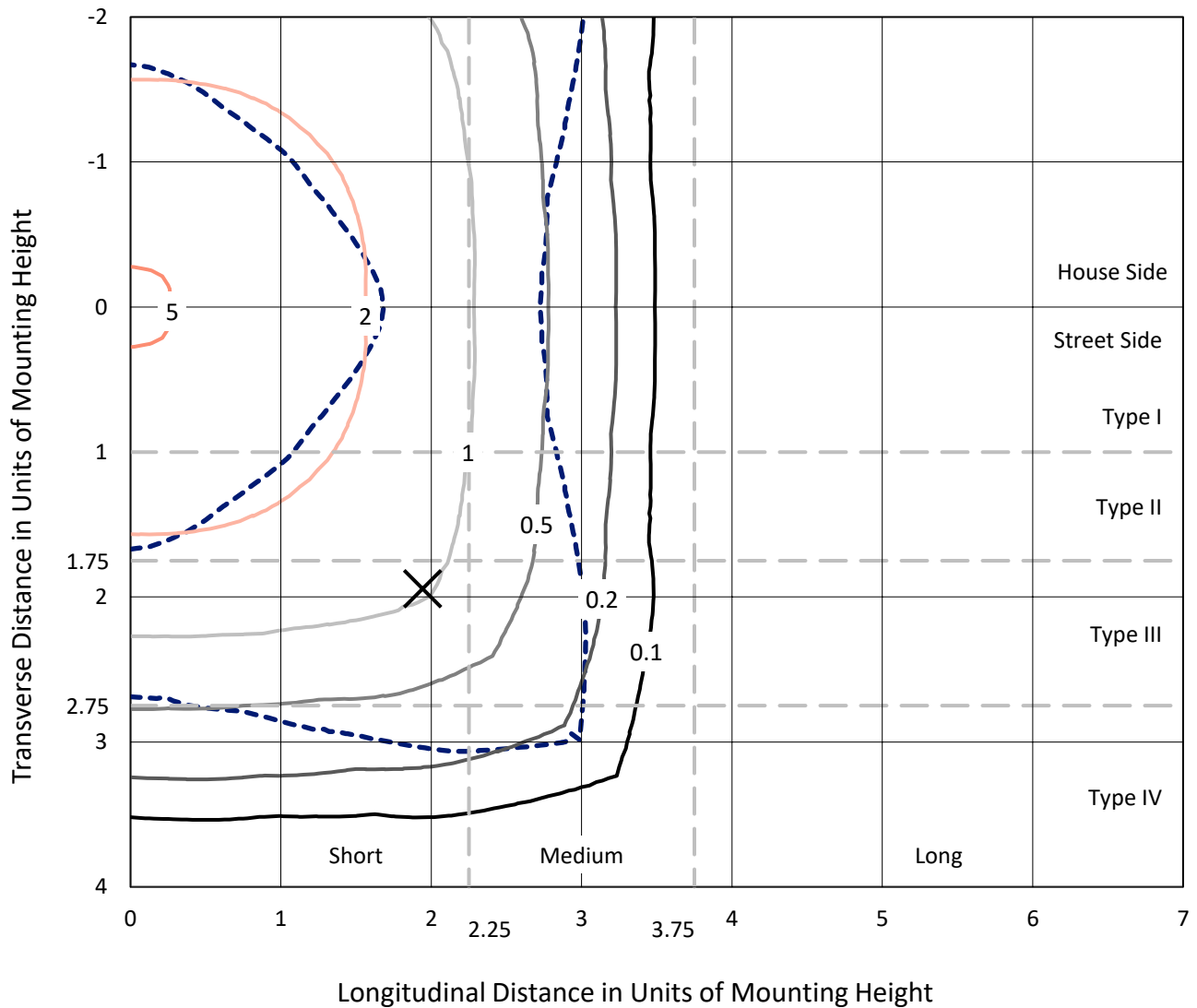
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

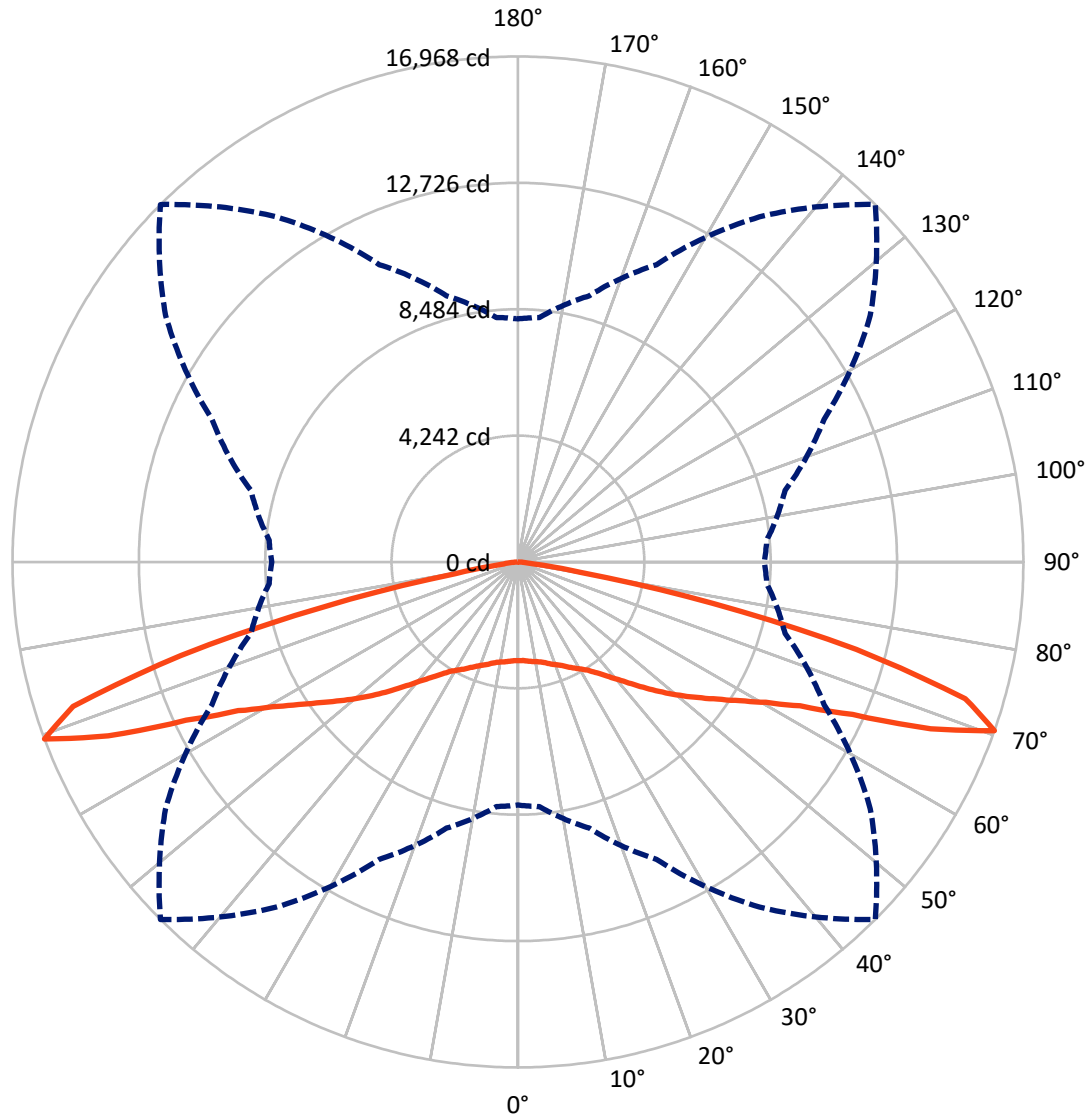
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	17277.5	0.0	17277.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17277.5	0.0	17277.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34555.0	0.0	34555.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.6	0.9
10°-20°	997.1	2.9
20°-30°	1782.0	5.2
30°-40°	2888.6	8.4
40°-50°	4705.1	13.6
50°-60°	7173.7	20.8
60°-70°	10672.1	30.9
70°-80°	5816.7	16.8
80°-90°	198.1	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°	34555.0	100.0
0°-180°	34555.0	100.0



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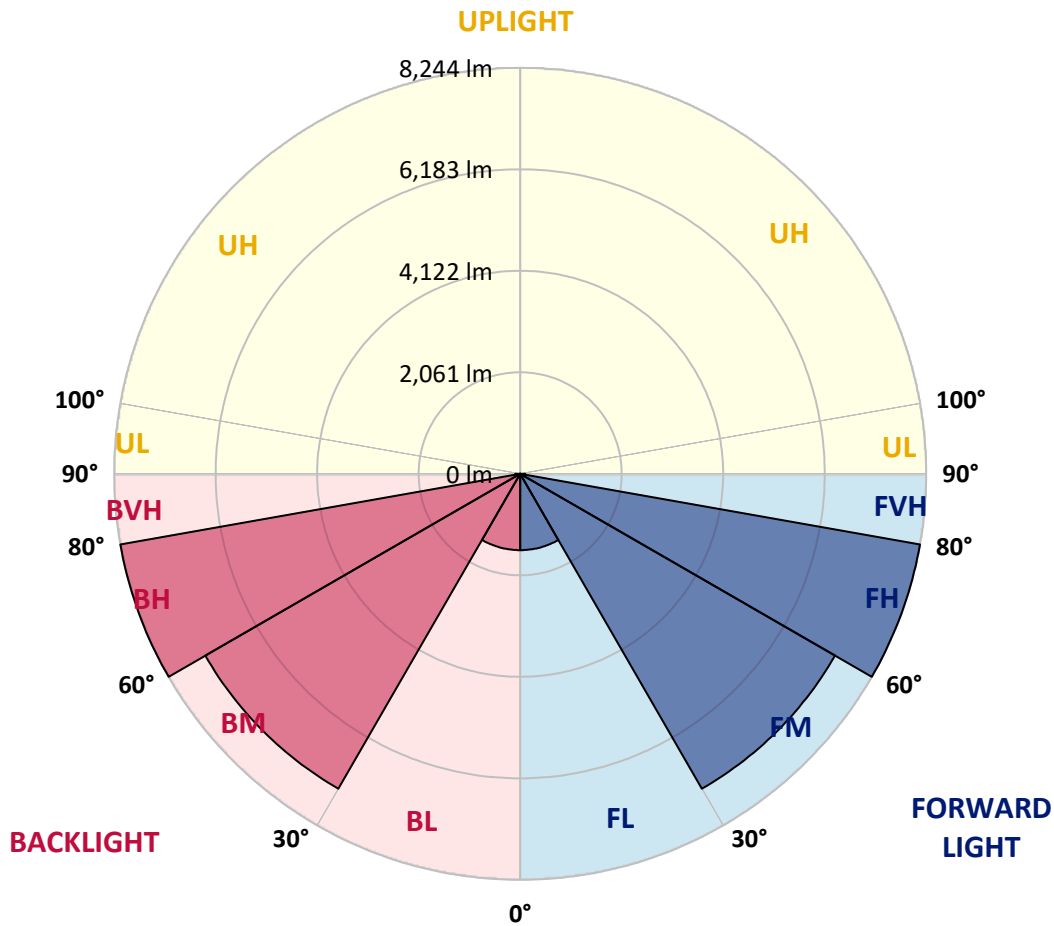
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1550.4	4.5			
FM (30°-60°)	7383.7	21.4			
FH (60°-80°)	8244.4	23.9			G4/12000
FVH (80°-90°)	99.0	0.3			G1/100
BL (0°-30°)	1550.4	4.5	B3/2500		
BM (30°-60°)	7383.7	21.4	B4/8500		
BH (60°-80°)	8244.4	23.9	B5		G4/12000
BVH (80°-90°)	99.0	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°	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0
2.5°	3325.6	3329.1	3322.2	3318.7	3315.2	3310.0	3311.7	3320.4	3327.4	3325.6
5°	3353.4	3356.9	3351.6	3349.9	3343.0	3341.2	3341.2	3349.9	3355.1	3351.6
7.5°	3384.6	3389.8	3381.1	3379.4	3375.9	3372.5	3370.7	3379.4	3384.6	3384.6
10°	3414.1	3419.3	3412.4	3407.2	3403.7	3403.7	3400.2	3407.2	3415.8	3414.1
12.5°	3445.3	3448.8	3441.9	3438.4	3438.4	3443.6	3438.4	3441.9	3448.8	3445.3
15°	3483.5	3485.2	3483.5	3488.7	3497.4	3514.7	3499.1	3495.6	3499.1	3490.4
17.5°	3535.5	3539.0	3545.9	3558.1	3570.2	3601.5	3573.7	3565.0	3565.0	3547.7
20°	3599.7	3604.9	3615.3	3636.2	3651.8	3681.3	3653.5	3641.4	3636.2	3613.6
22.5°	3667.4	3676.1	3691.7	3719.4	3747.2	3774.9	3747.2	3726.4	3710.8	3681.3
25°	3745.4	3755.9	3780.1	3825.2	3863.4	3903.3	3870.4	3828.7	3797.5	3755.9
27.5°	3856.5	3868.6	3898.1	3953.6	4002.2	4036.9	4005.7	3951.9	3908.5	3858.2
30°	4012.6	4024.8	4059.4	4118.4	4151.4	4173.9	4153.1	4111.5	4059.4	4002.2
32.5°	4213.8	4229.5	4267.6	4323.1	4330.1	4333.5	4326.6	4305.8	4267.6	4198.2
35°	4468.9	4486.2	4529.6	4574.7	4567.7	4574.7	4564.3	4557.3	4529.6	4449.8
37.5°	4781.1	4801.9	4847.1	4881.7	4864.4	4855.7	4857.5	4859.2	4843.6	4755.1
40°	5143.7	5171.5	5204.4	5240.9	5211.4	5185.3	5202.7	5216.6	5202.7	5112.5
42.5°	5516.7	5556.6	5591.3	5643.3	5619.0	5586.1	5610.4	5626.0	5596.5	5499.3
45°	5931.3	5969.5	6014.6	6092.6	6075.3	6040.6	6075.3	6078.8	6028.5	5914.0
47.5°	6359.8	6399.7	6467.4	6571.4	6564.5	6526.3	6571.4	6547.2	6483.0	6345.9
50°	6765.7	6821.3	6925.3	7071.1	7085.0	7038.1	7098.8	7052.0	6944.4	6772.7
52.5°	7147.4	7206.4	7371.2	7569.0	7619.3	7558.6	7640.1	7558.6	7397.2	7176.9
55°	7548.1	7614.1	7810.1	8068.6	8169.2	8124.1	8200.4	8077.3	7848.3	7581.1
57.5°	8020.0	8059.9	8294.1	8601.2	8771.2	8781.6	8816.3	8608.1	8330.5	8027.0
60°	8531.8	8587.3	8842.3	9210.1	9479.0	9565.7	9529.3	9220.5	8897.8	8549.1
62.5°	9187.5	9248.3	9553.6	9994.2	10419.2	10634.4	10492.1	10044.5	9645.5	9227.4
65°	9730.5	9798.2	10349.9	11135.7	11909.4	12341.4	11984.0	11160.0	10441.8	9852.0
67.5°	9336.7	9420.0	10285.7	11729.0	13652.9	14941.9	13718.9	11906.0	10499.1	9699.3
70°	8160.5	8238.6	9248.3	11012.6	14143.9	16968.1	14438.8	11337.0	9281.2	8386.1
72.5°	5417.8	5669.3	6691.1	8807.6	12629.4	15701.7	12754.3	8628.9	6207.1	5405.7
75°	1797.3	1998.5	2695.9	4566.0	8458.9	11742.9	8053.0	4040.4	2135.5	1537.0
77.5°	452.8	522.2	719.9	1306.3	3374.2	6685.9	3037.6	1066.9	581.2	405.9
80°	220.3	242.9	347.0	435.4	844.9	2125.1	792.8	409.4	274.1	211.6
82.5°	121.4	123.2	196.0	246.3	314.0	549.9	326.1	239.4	157.9	128.4
85°	74.6	72.9	104.1	131.8	131.8	196.0	156.1	131.8	90.2	79.8
87.5°	29.5	29.5	38.2	41.6	36.4	50.3	39.9	43.4	34.7	33.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3310.0
3327.4
3353.4
3384.6
3414.1
3443.6
3490.4
3547.7
3613.6
3679.5
3754.1
3856.5
4002.2
4200.0
4449.8
4755.1
5112.5
5506.3
5926.1
6337.2
6769.2
7156.1
7544.7
7985.3
8493.6
9154.6
9754.8
9579.6
8266.4
5230.4
1453.8
362.6
194.3
128.4
83.3
34.7
0.0

OF REPORT)