

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: P953755

Luminaire Tested: **GALN-SB7B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953755
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-SB7B-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34645 lumens
Efficiency: N/A
Efficacy: 135.0 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): 256.7
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

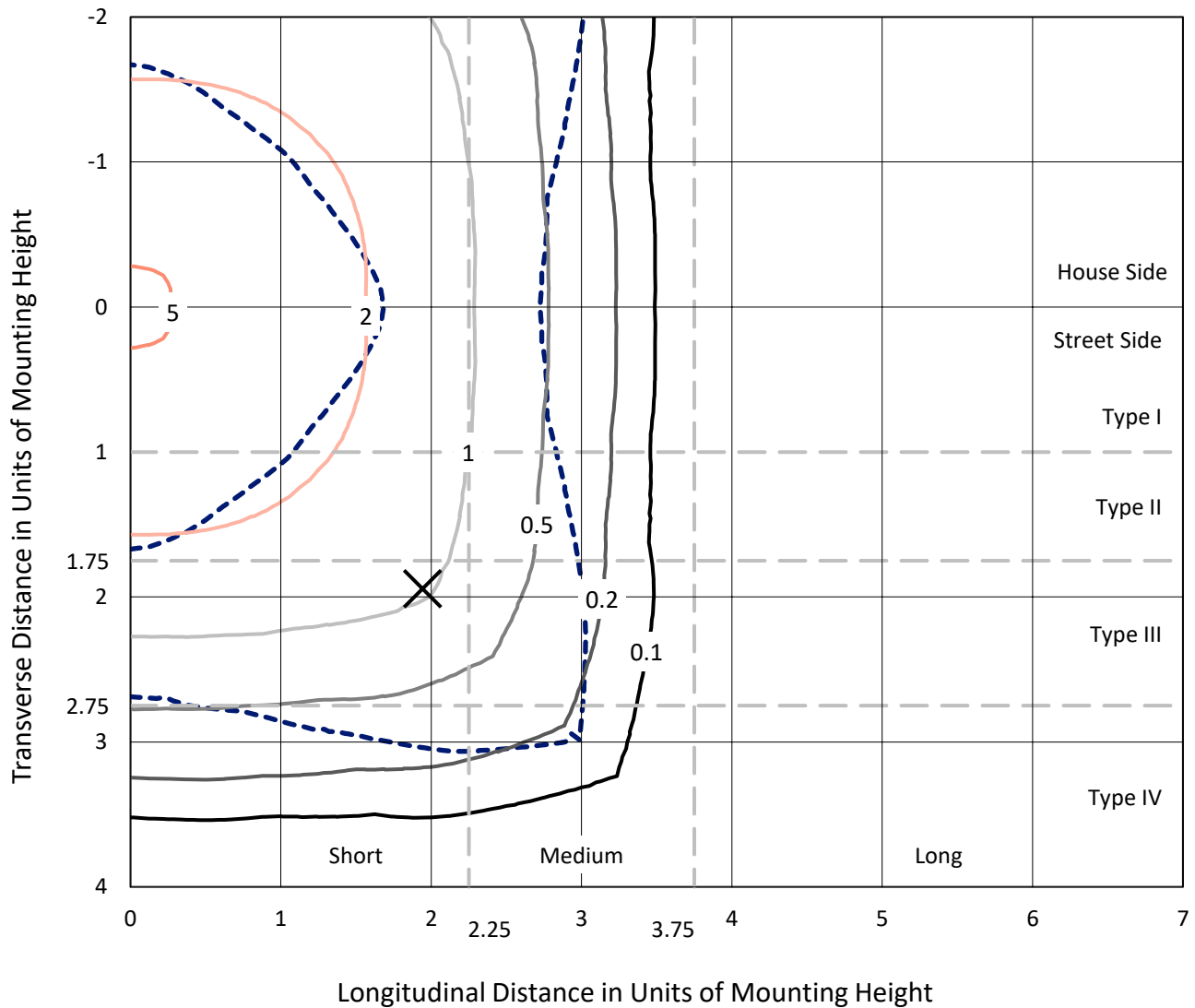


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

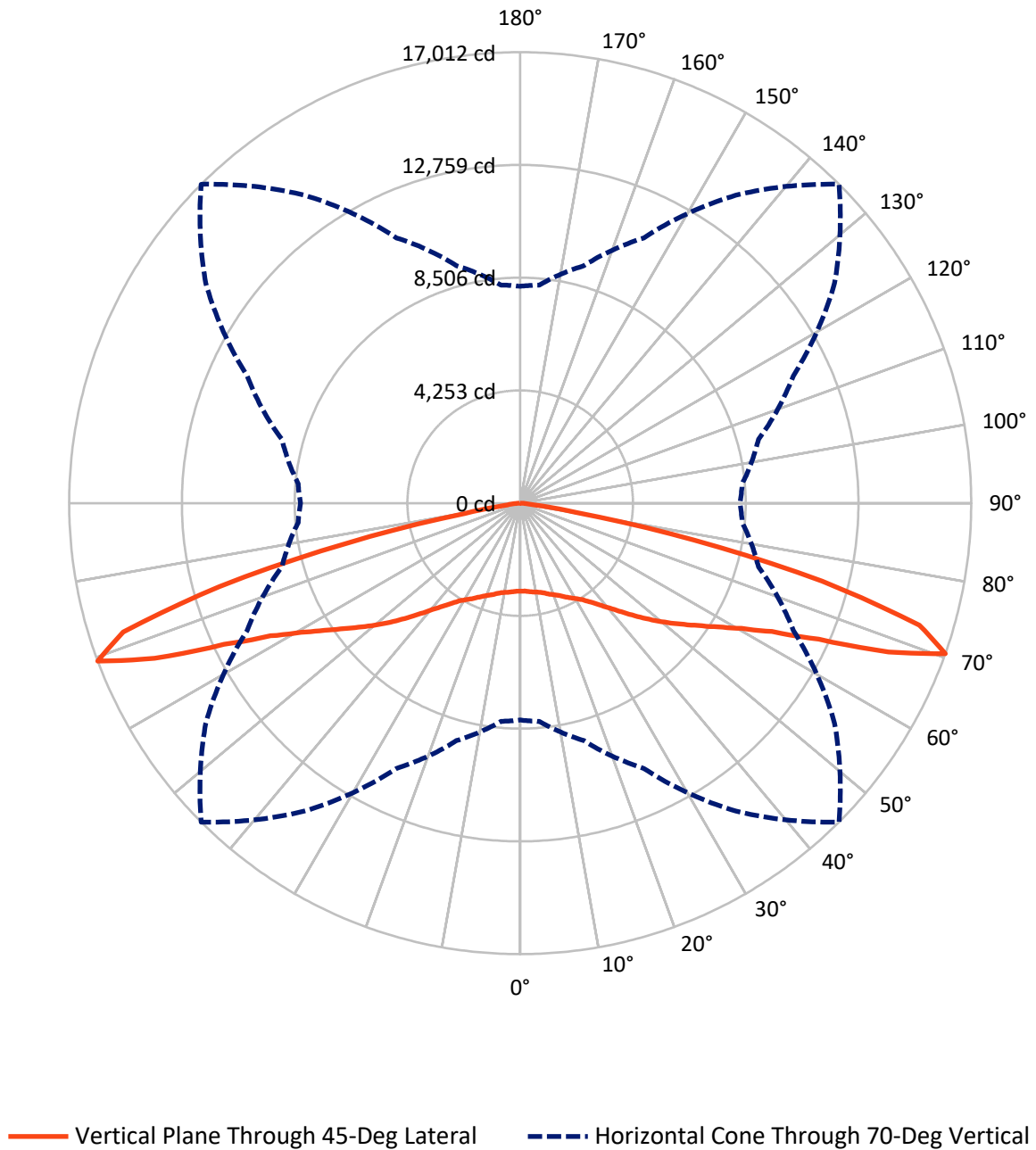


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17322.5	0.0	17322.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17322.5	0.0	17322.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34645.0	0.0	34645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.4	0.9
10°-20°	999.7	2.9
20°-30°	1786.7	5.2
30°-40°	2896.1	8.4
40°-50°	4717.3	13.6
50°-60°	7192.4	20.8
60°-70°	10699.9	30.9
70°-80°	5831.8	16.8
80°-90°	198.6	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°	34645.0	100.0
0°-180°	34645.0	100.0

Coefficient of Utilization



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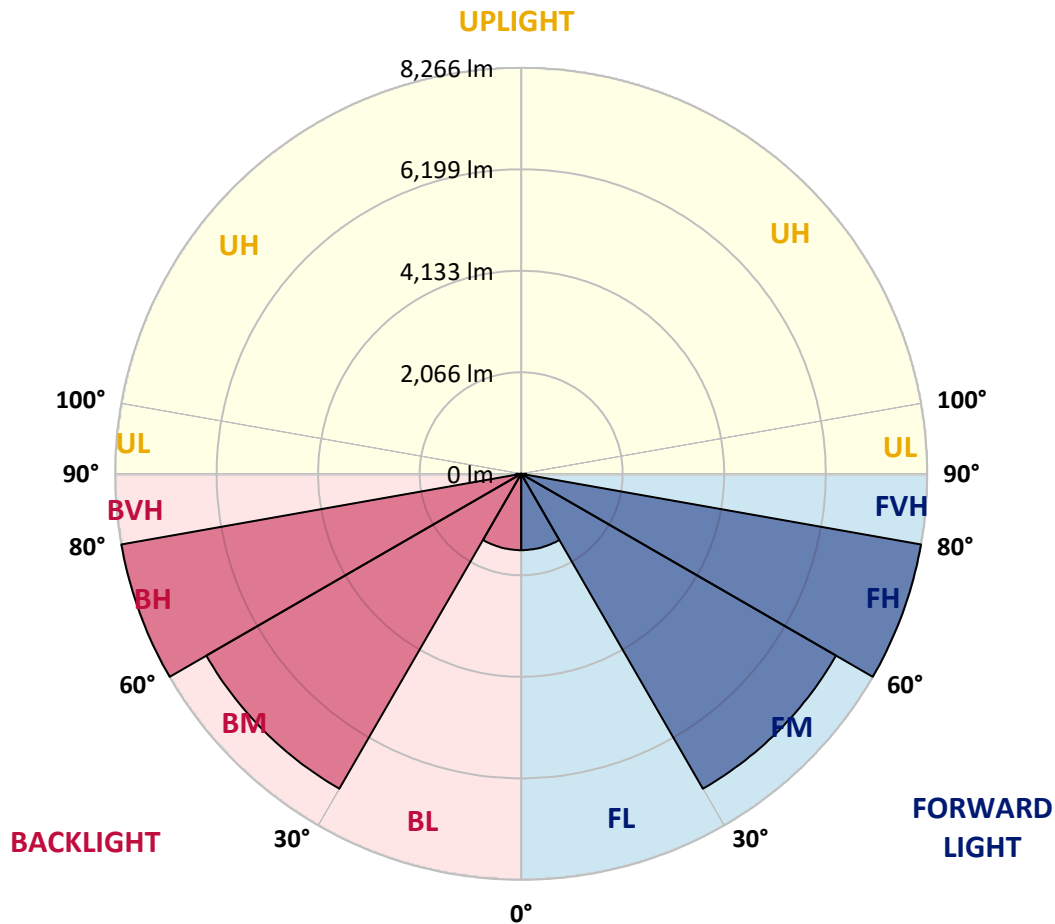
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1554.4	4.5			
FM	(30°-60°)	7402.9	21.4			
FH	(60°-80°)	8265.9	23.9			G4/12000
FVH	(80°-90°)	99.3	0.3			G1/100
BL	(0°-30°)	1554.4	4.5	B3/2500		
BM	(30°-60°)	7402.9	21.4	B4/8500		
BH	(60°-80°)	8265.9	23.9	B5		G4/12000
BVH	(80°-90°)	99.3	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°	90°
0°	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6	3318.6
2.5°	3334.3	3337.8	3330.8	3327.3	3323.9	3318.6	3320.4	3329.1	3336.0	3334.3	3336.0
5°	3362.1	3365.6	3360.4	3358.6	3351.7	3349.9	3349.9	3358.6	3363.9	3360.4	3362.1
7.5°	3393.4	3398.6	3389.9	3388.2	3384.7	3381.2	3379.5	3388.2	3393.4	3393.4	3393.4
10°	3423.0	3428.2	3421.3	3416.0	3412.6	3412.6	3409.1	3416.0	3424.7	3423.0	3423.0
12.5°	3454.3	3457.8	3450.8	3447.3	3447.3	3452.6	3447.3	3450.8	3457.8	3454.3	3452.6
15°	3492.6	3494.3	3492.6	3497.8	3506.5	3523.9	3508.2	3504.7	3508.2	3499.5	3499.5
17.5°	3544.7	3548.2	3555.2	3567.4	3579.5	3610.8	3583.0	3574.3	3574.3	3556.9	3556.9
20°	3609.1	3614.3	3624.8	3645.6	3661.3	3690.8	3663.0	3650.8	3645.6	3623.0	3623.0
22.5°	3676.9	3685.6	3701.3	3729.1	3756.9	3784.8	3756.9	3736.1	3720.4	3690.8	3689.1
25°	3755.2	3765.6	3790.0	3835.2	3873.5	3913.5	3880.4	3838.7	3807.4	3765.6	3763.9
27.5°	3866.5	3878.7	3908.3	3963.9	4012.6	4047.4	4016.1	3962.2	3918.7	3868.3	3866.5
30°	4023.1	4035.2	4070.0	4129.2	4162.2	4184.8	4163.9	4122.2	4070.0	4012.6	4012.6
32.5°	4224.8	4240.5	4278.7	4334.4	4341.4	4344.8	4337.9	4317.0	4278.7	4209.2	4210.9
35°	4480.5	4497.9	4541.4	4586.6	4579.6	4586.6	4576.2	4569.2	4541.4	4461.4	4461.4
37.5°	4793.6	4814.5	4859.7	4894.5	4877.1	4868.4	4870.1	4871.8	4856.2	4767.5	4767.5
40°	5157.1	5184.9	5218.0	5254.5	5224.9	5198.8	5216.2	5230.2	5216.2	5125.8	5125.8
42.5°	5531.1	5571.1	5605.8	5658.0	5633.7	5600.6	5625.0	5640.6	5611.1	5513.7	5520.6
45°	5946.8	5985.0	6030.2	6108.5	6091.1	6056.3	6091.1	6094.6	6044.2	5929.4	5941.5
47.5°	6376.4	6416.4	6484.2	6588.6	6581.6	6543.3	6588.6	6564.2	6499.9	6362.5	6353.8
50°	6783.4	6839.0	6943.4	7089.5	7103.4	7056.4	7117.3	7070.4	6962.5	6790.3	6786.8
52.5°	7166.0	7225.2	7390.4	7588.7	7639.1	7578.2	7660.0	7578.2	7416.5	7195.6	7174.7
55°	7567.8	7633.9	7830.4	8089.6	8190.5	8145.3	8221.8	8098.3	7868.7	7600.9	7564.3
57.5°	8040.9	8080.9	8315.7	8623.6	8794.0	8804.5	8839.3	8630.5	8352.2	8047.9	8006.1
60°	8554.0	8609.7	8865.3	9234.1	9503.7	9590.6	9554.1	9244.5	8921.0	8571.4	8515.7
62.5°	9211.5	9272.3	9578.5	10020.3	10446.4	10662.1	10519.4	10070.7	9670.6	9251.5	9178.4
65°	9755.9	9823.7	10376.8	11164.7	11940.5	12373.6	12015.3	11189.1	10469.0	9877.6	9780.2
67.5°	9361.0	9444.5	10312.5	11759.6	13688.5	14980.8	13754.6	11937.0	10526.4	9724.6	9604.6
70°	8181.8	8260.1	9272.3	11041.2	14180.7	17012.3	14476.4	11366.5	9305.4	8407.9	8287.9
72.5°	5431.9	5684.1	6708.6	8830.6	12662.3	15742.6	12787.5	8651.4	6223.3	5419.7	5244.1
75°	1801.9	2003.7	2702.9	4577.9	8480.9	11773.5	8073.9	4050.9	2141.1	1541.0	1457.6
77.5°	454.0	523.5	721.8	1309.7	3383.0	6703.4	3045.6	1069.7	582.7	407.0	363.5
80°	220.9	243.5	347.9	436.6	847.1	2130.7	794.9	410.5	274.8	212.2	194.8
82.5°	121.8	123.5	196.5	247.0	314.8	551.4	327.0	240.0	158.3	128.7	128.7
85°	74.8	73.1	104.4	132.2	132.2	196.5	156.5	132.2	90.4	80.0	83.5
87.5°	29.6	29.6	38.3	41.7	36.5	50.4	40.0	43.5	34.8	33.0	34.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)