

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: P953503

Luminaire Tested: **GALN-SB7A-750-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953503
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-SB7A-750-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35346 lumens
Efficiency: N/A
Efficacy: 177.5 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

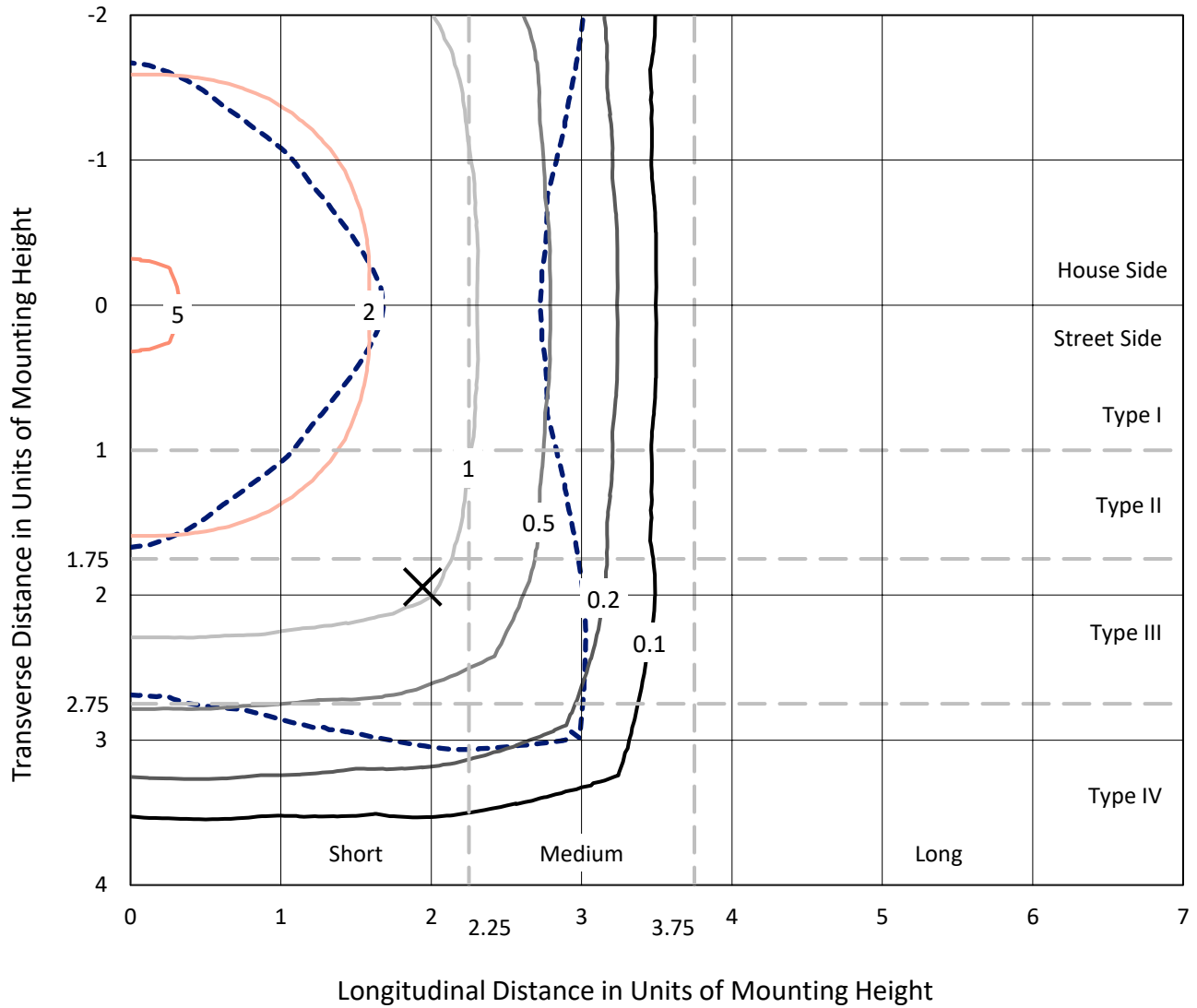
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

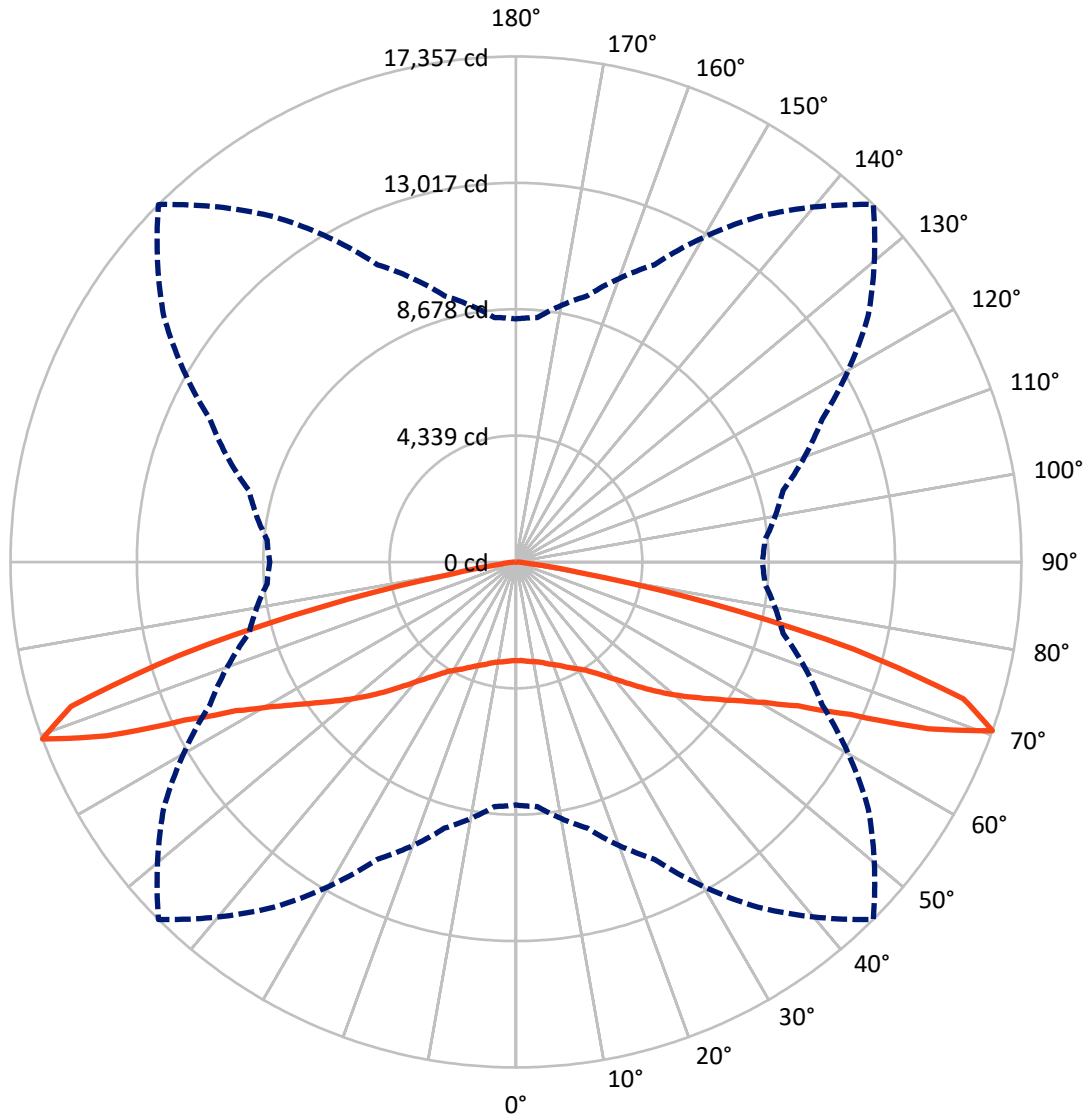
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	17673.0	0.0	17673.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17673.0	0.0	17673.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35346.0	0.0	35346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	0.9
10°-20°	1020.0	2.9
20°-30°	1822.8	5.2
30°-40°	2954.7	8.4
40°-50°	4812.8	13.6
50°-60°	7337.9	20.8
60°-70°	10916.4	30.9
70°-80°	5949.8	16.8
80°-90°	202.6	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°	35346.0	100.0
0°-180°	35346.0	100.0

Coefficient of Utilization



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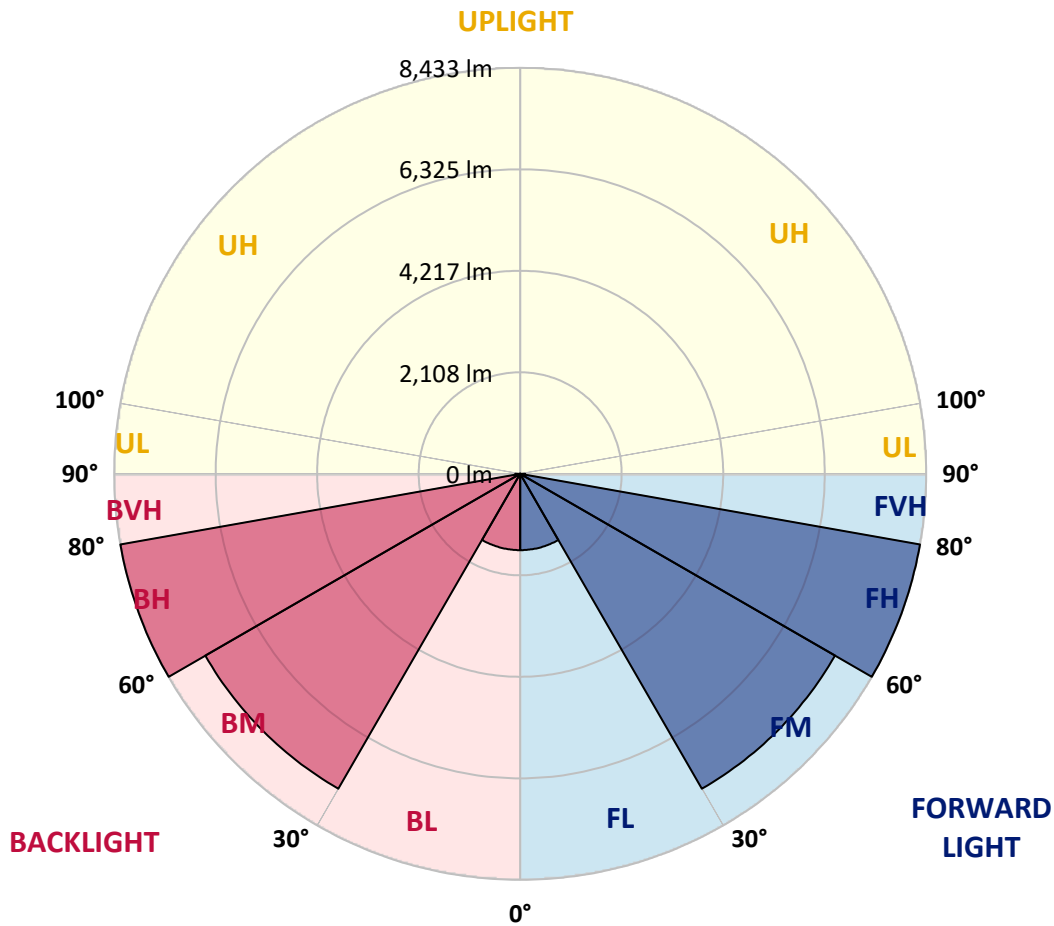
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.9	4.5			
FM (30°-60°)	7552.7	21.4			
FH (60°-80°)	8433.1	23.9			G4/12000
FVH (80°-90°)	101.3	0.3			G2/225
BL (0°-30°)	1585.9	4.5	B3/2500		
BM (30°-60°)	7552.7	21.4	B4/8500		
BH (60°-80°)	8433.1	23.9	B5		G4/12000
BVH (80°-90°)	101.3	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°	3385.8	3385.8	3385.8	3385.8	3385.8	3385.8	3385.8	3385.8	3385.8	3385.8
2.5°	3401.8	3405.3	3398.2	3394.7	3391.1	3385.8	3387.6	3396.4	3403.5	3401.8
5°	3430.1	3433.7	3428.4	3426.6	3419.5	3417.7	3417.7	3426.6	3431.9	3428.4
7.5°	3462.1	3467.4	3458.5	3456.8	3453.2	3449.7	3447.9	3456.8	3462.1	3462.1
10°	3492.3	3497.6	3490.5	3485.2	3481.6	3481.6	3478.1	3485.2	3494.0	3492.3
12.5°	3524.2	3527.7	3520.6	3517.1	3517.1	3522.4	3517.1	3520.6	3527.7	3524.2
15°	3563.2	3565.0	3563.2	3568.6	3577.4	3595.2	3579.2	3575.7	3579.2	3570.3
17.5°	3616.5	3620.0	3627.1	3639.5	3652.0	3683.9	3655.5	3646.6	3646.6	3628.9
20°	3682.1	3687.4	3698.1	3719.4	3735.4	3765.5	3737.1	3724.7	3719.4	3696.3
22.5°	3751.3	3760.2	3776.2	3804.6	3833.0	3861.4	3833.0	3811.7	3795.7	3765.5
25°	3831.2	3841.8	3866.7	3912.8	3951.9	3992.7	3959.0	3916.4	3884.4	3841.8
27.5°	3944.8	3957.2	3987.3	4044.1	4093.8	4129.3	4097.4	4042.4	3998.0	3946.5
30°	4104.5	4116.9	4152.4	4212.7	4246.4	4269.5	4248.2	4205.6	4152.4	4093.8
32.5°	4310.3	4326.3	4365.3	4422.1	4429.2	4432.7	4425.6	4404.4	4365.3	4294.3
35°	4571.2	4588.9	4633.3	4679.4	4672.3	4679.4	4668.8	4661.7	4633.3	4551.6
37.5°	4890.6	4911.9	4958.0	4993.5	4975.7	4966.9	4968.7	4970.4	4954.5	4864.0
40°	5261.4	5289.8	5323.6	5360.8	5330.7	5304.0	5321.8	5336.0	5321.8	5229.5
42.5°	5643.0	5683.8	5719.3	5772.5	5747.7	5713.9	5738.8	5754.8	5724.6	5625.2
45°	6067.1	6106.1	6152.3	6232.1	6214.4	6178.9	6214.4	6217.9	6166.5	6049.3
47.5°	6505.4	6546.2	6615.4	6721.9	6714.8	6675.7	6721.9	6697.0	6631.4	6491.2
50°	6920.6	6977.4	7083.9	7232.9	7247.1	7199.2	7261.3	7213.4	7103.4	6927.7
52.5°	7311.0	7371.3	7539.9	7742.2	7793.7	7731.6	7815.0	7731.6	7566.5	7341.2
55°	7720.9	7788.4	7988.9	8253.3	8356.2	8310.1	8388.1	8262.2	8027.9	7754.6
57.5°	8203.6	8244.4	8484.0	8798.1	8972.0	8982.6	9018.1	8805.2	8521.2	8210.7
60°	8727.1	8783.9	9044.7	9420.9	9696.0	9784.7	9747.4	9431.6	9101.5	8744.8
62.5°	9397.8	9460.0	9772.3	10223.0	10657.8	10877.8	10732.3	10274.5	9866.3	9438.7
65°	9953.3	10022.5	10586.8	11390.6	12182.1	12623.9	12258.4	11415.5	10680.8	10077.5
67.5°	9550.5	9635.6	10521.1	11997.5	13965.5	15283.9	14032.9	12178.5	10739.4	9921.3
70°	8347.3	8427.2	9460.0	11264.6	14467.6	17356.6	14769.3	11596.5	9493.7	8578.0
72.5°	5541.8	5799.1	6844.3	9009.2	12918.5	16061.2	13046.3	8826.5	6349.2	5529.4
75°	1838.4	2044.2	2757.6	4670.5	8652.6	12011.7	8237.3	4132.9	2184.4	1572.2
77.5°	463.1	534.1	736.4	1336.2	3451.4	6839.0	3107.2	1091.3	594.5	415.2
80°	225.4	248.4	354.9	445.4	864.2	2173.8	811.0	418.8	280.4	216.5
82.5°	124.2	126.0	200.5	252.0	321.2	562.5	333.6	244.9	161.5	131.3
85°	76.3	74.5	106.5	134.9	134.9	200.5	159.7	134.9	92.3	81.6
87.5°	30.2	30.2	39.0	42.6	37.3	51.5	40.8	44.4	35.5	33.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3385.8
3403.5
3430.1
3462.1
3492.3
3522.4
3570.3
3628.9
3696.3
3763.8
3840.1
3944.8
4093.8
4296.1
4551.6
4864.0
5229.5
5632.3
6061.8
6482.3
6924.2
7319.9
7717.4
8168.1
8688.0
9364.1
9978.1
9798.9
8455.6
5350.2
1487.0
370.9
198.7
131.3
85.2
35.5
0.0

OF REPORT)