

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: P943010

Luminaire Tested: **GALN-SB7B-750-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-750-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42855 lumens
Efficiency: N/A
Efficacy: 166.9 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

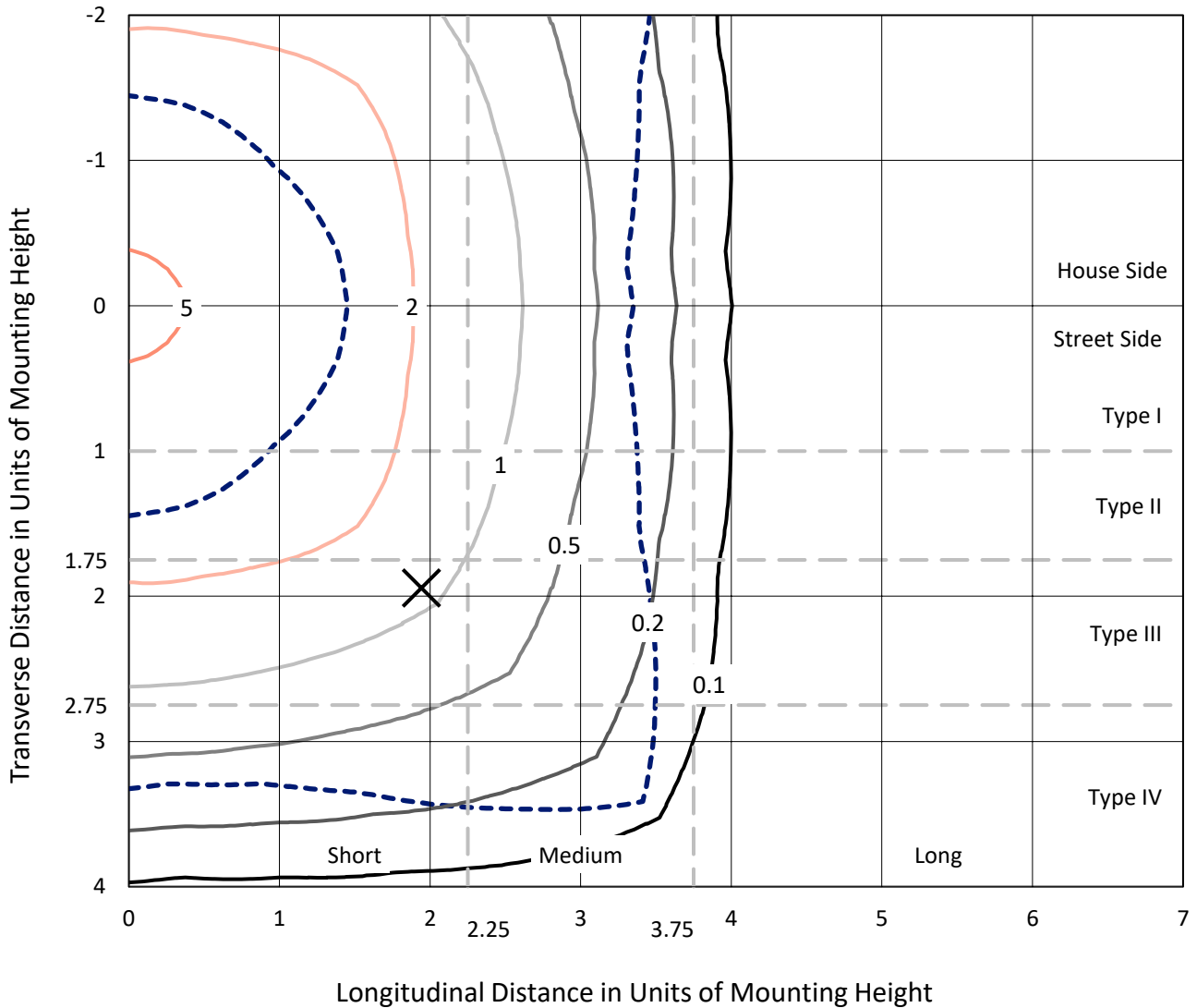
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

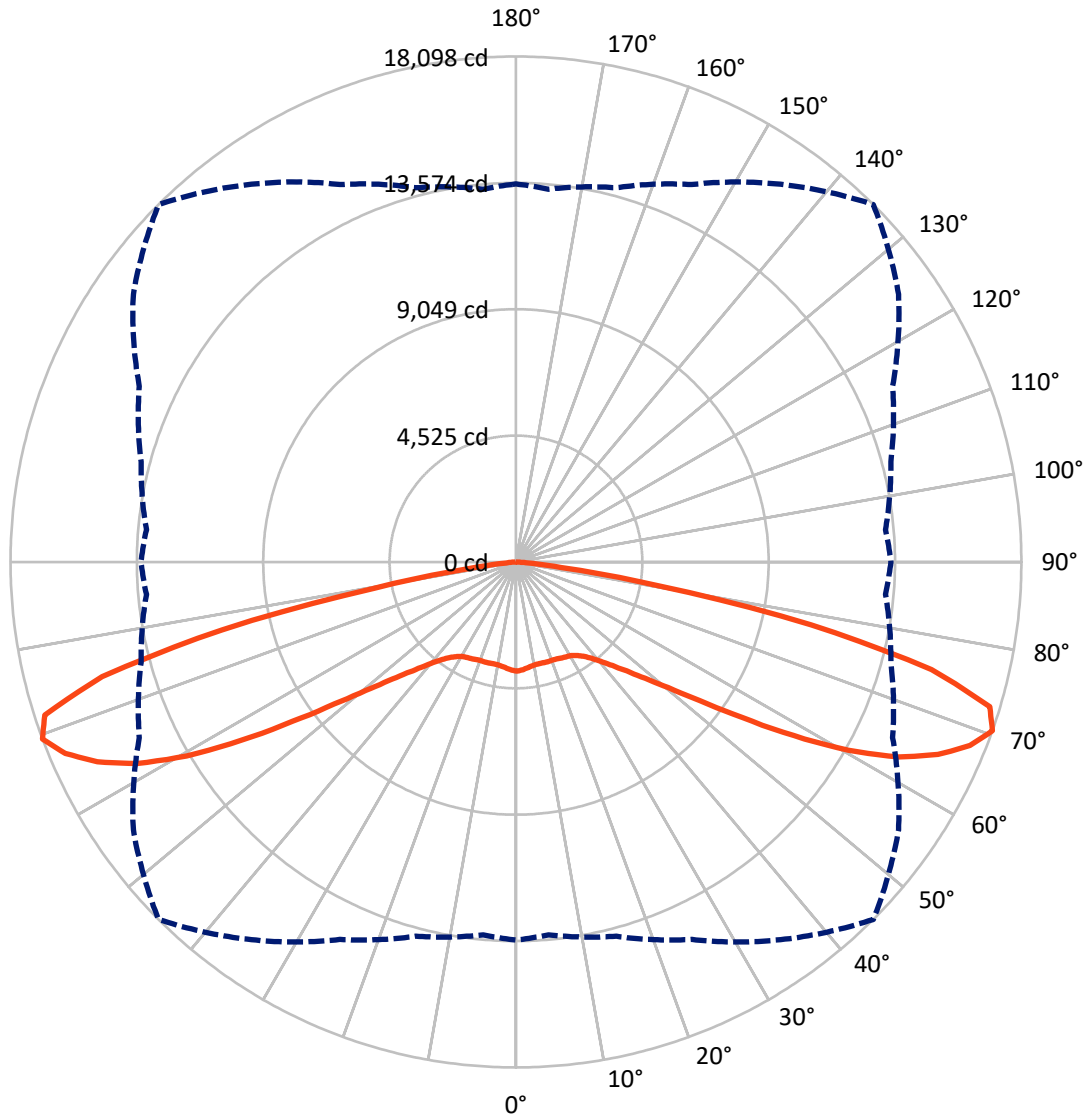
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	21427.5	0.0	21427.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21427.5	0.0	21427.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42855.0	0.0	42855.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.7	0.8
10°-20°	1067.8	2.5
20°-30°	1776.9	4.1
30°-40°	2687.2	6.3
40°-50°	4465.6	10.4
50°-60°	8426.4	19.7
60°-70°	14228.2	33.2
70°-80°	9349.4	21.8
80°-90°	489.8	1.1
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°	42855.0	100.0
0°-180°	42855.0	100.0

Coefficient of Utilization



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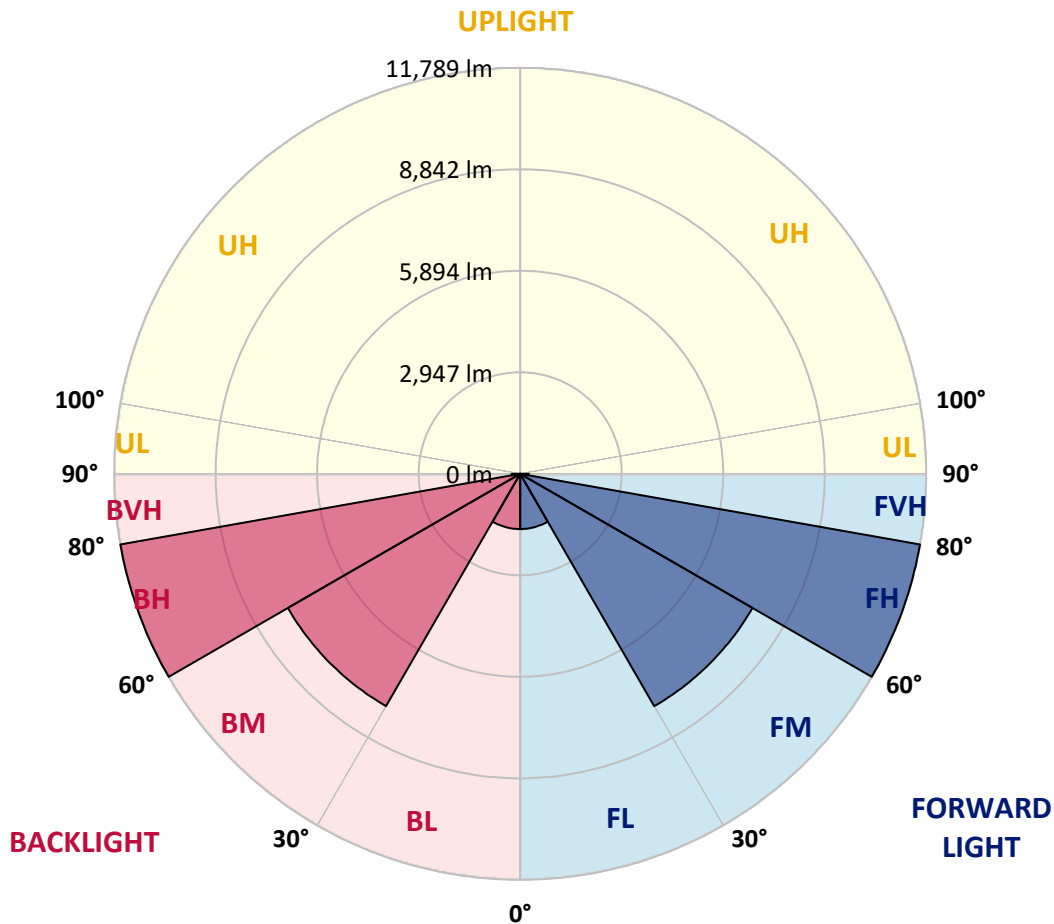
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1604.2	3.7			
FM (30°-60°)	7789.6	18.2			
FH (60°-80°)	11788.8	27.5			G4/12000
FVH (80°-90°)	244.9	0.6			G3/500
BL (0°-30°)	1604.2	3.7	B3/2500		
BM (30°-60°)	7789.6	18.2	B4/8500		
BH (60°-80°)	11788.8	27.5	B5		G4/12000
BVH (80°-90°)	244.9	0.6			G3/500
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°	3909.2	3909.2	3909.2	3909.2	3909.2	3909.2	3909.2	3909.2	3909.2	3909.2
2.5°	3884.7	3895.9	3891.4	3882.5	3882.5	3875.8	3882.5	3887.0	3893.6	3898.1
5°	3833.5	3842.4	3840.2	3833.5	3835.7	3829.0	3833.5	3840.2	3844.6	3846.9
7.5°	3789.0	3797.9	3793.4	3782.3	3782.3	3775.6	3777.8	3784.5	3791.2	3793.4
10°	3777.8	3786.7	3773.4	3755.5	3748.9	3739.9	3742.2	3748.9	3762.2	3768.9
12.5°	3782.3	3789.0	3775.6	3748.9	3742.2	3733.3	3733.3	3739.9	3757.8	3766.7
15°	3795.6	3802.3	3782.3	3753.3	3746.6	3739.9	3737.7	3746.6	3766.7	3782.3
17.5°	3820.1	3826.8	3795.6	3755.5	3746.6	3748.9	3746.6	3753.3	3784.5	3813.5
20°	3842.4	3846.9	3804.5	3755.5	3746.6	3748.9	3746.6	3760.0	3800.1	3840.2
22.5°	3849.1	3853.6	3813.5	3771.1	3764.5	3766.7	3764.5	3777.8	3815.7	3855.8
25°	3851.3	3858.0	3826.8	3793.4	3804.5	3809.0	3804.5	3806.8	3835.7	3871.4
27.5°	3884.7	3893.6	3864.7	3835.7	3842.4	3840.2	3846.9	3853.6	3875.8	3911.5
30°	3953.8	3960.5	3936.0	3907.0	3902.6	3887.0	3907.0	3929.3	3953.8	3985.0
32.5°	4067.4	4080.8	4049.6	4018.4	3998.3	3989.4	4005.0	4042.9	4076.3	4109.7
35°	4256.7	4265.6	4236.7	4178.8	4143.1	4143.1	4156.5	4205.5	4259.0	4301.3
37.5°	4524.0	4535.2	4483.9	4414.9	4361.4	4361.4	4379.2	4430.5	4510.7	4570.8
40°	4849.2	4864.8	4800.2	4729.0	4677.7	4668.8	4691.1	4749.0	4824.7	4900.5
42.5°	5241.3	5259.1	5174.5	5112.1	5072.0	5072.0	5083.1	5136.6	5205.6	5299.2
45°	5742.5	5773.6	5657.8	5595.4	5557.6	5566.5	5573.2	5619.9	5682.3	5789.2
47.5°	6339.4	6370.6	6248.1	6183.5	6176.8	6219.1	6192.4	6225.8	6259.2	6381.7
50°	7016.6	7070.0	6985.4	6980.9	6994.3	7072.3	7009.9	7027.7	6989.9	7067.8
52.5°	7845.2	7923.2	7907.6	7934.3	8083.5	8243.9	8101.4	8039.0	7896.4	7920.9
55°	8849.8	8967.9	8990.1	9150.5	9489.1	9816.5	9513.6	9261.9	8959.0	8903.3
57.5°	9992.5	10086.1	10193.0	10520.4	11153.0	11734.4	11153.0	10596.2	10119.5	10005.9
60°	11222.1	11337.9	11440.4	11923.7	12863.7	13681.2	12845.9	11961.6	11331.2	11177.5
62.5°	12543.0	12692.2	12763.5	13300.3	14396.2	15371.9	14411.8	13340.4	12641.0	12476.2
65°	13810.4	13932.9	14013.1	14585.6	15632.5	16610.4	15703.8	14648.0	13928.5	13712.4
67.5°	14400.7	14467.5	14663.5	15311.7	16416.6	17532.5	16603.7	15380.8	14576.7	14198.0
70°	13536.4	13400.6	13872.8	14910.8	16510.1	18098.3	16724.0	14879.6	13895.1	13280.3
72.5°	10460.3	10226.4	11046.1	12821.4	15440.9	17737.5	15547.9	12921.6	11556.2	10308.8
75°	5691.2	5426.2	6557.7	8803.0	12313.5	15374.1	12596.4	9054.7	7301.7	5648.9
77.5°	1606.0	1505.8	2419.1	4259.0	7406.4	10794.4	7691.5	4352.5	2869.0	1701.8
80°	492.3	476.7	646.0	1283.0	3145.2	5170.0	3022.7	1298.6	821.9	519.0
82.5°	291.8	267.3	320.8	467.8	801.9	1623.8	779.6	487.8	392.0	262.8
85°	167.1	155.9	189.3	227.2	269.5	345.3	225.0	231.7	209.4	140.3
87.5°	69.1	62.4	73.5	71.3	62.4	80.2	60.1	71.3	84.6	55.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3909.2
3895.9
3846.9
3793.4
3768.9
3768.9
3784.5
3813.5
3842.4
3855.8
3869.1
3902.6
3978.3
4096.3
4285.7
4548.5
4876.0
5292.5
5784.8
6346.1
7021.0
7838.5
8816.4
9925.7
11043.9
12342.5
13605.5
14202.5
13427.3
10618.4
6016.4
1891.1
548.0
285.1
147.0
51.2
0.0

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