

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: P943440

Luminaire Tested: **GALN-SB7D-935-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943440
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-SB7D-935-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50923 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

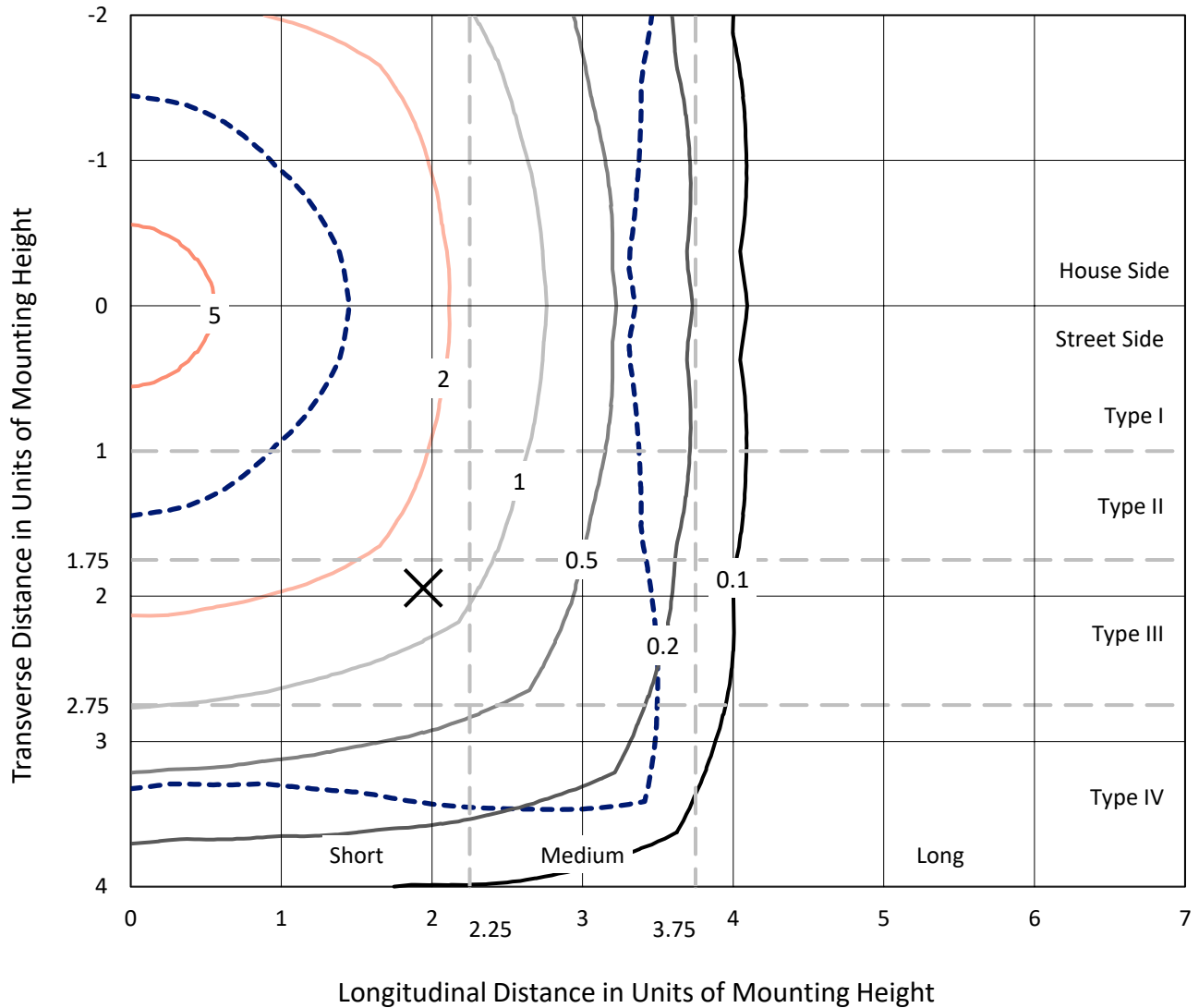
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

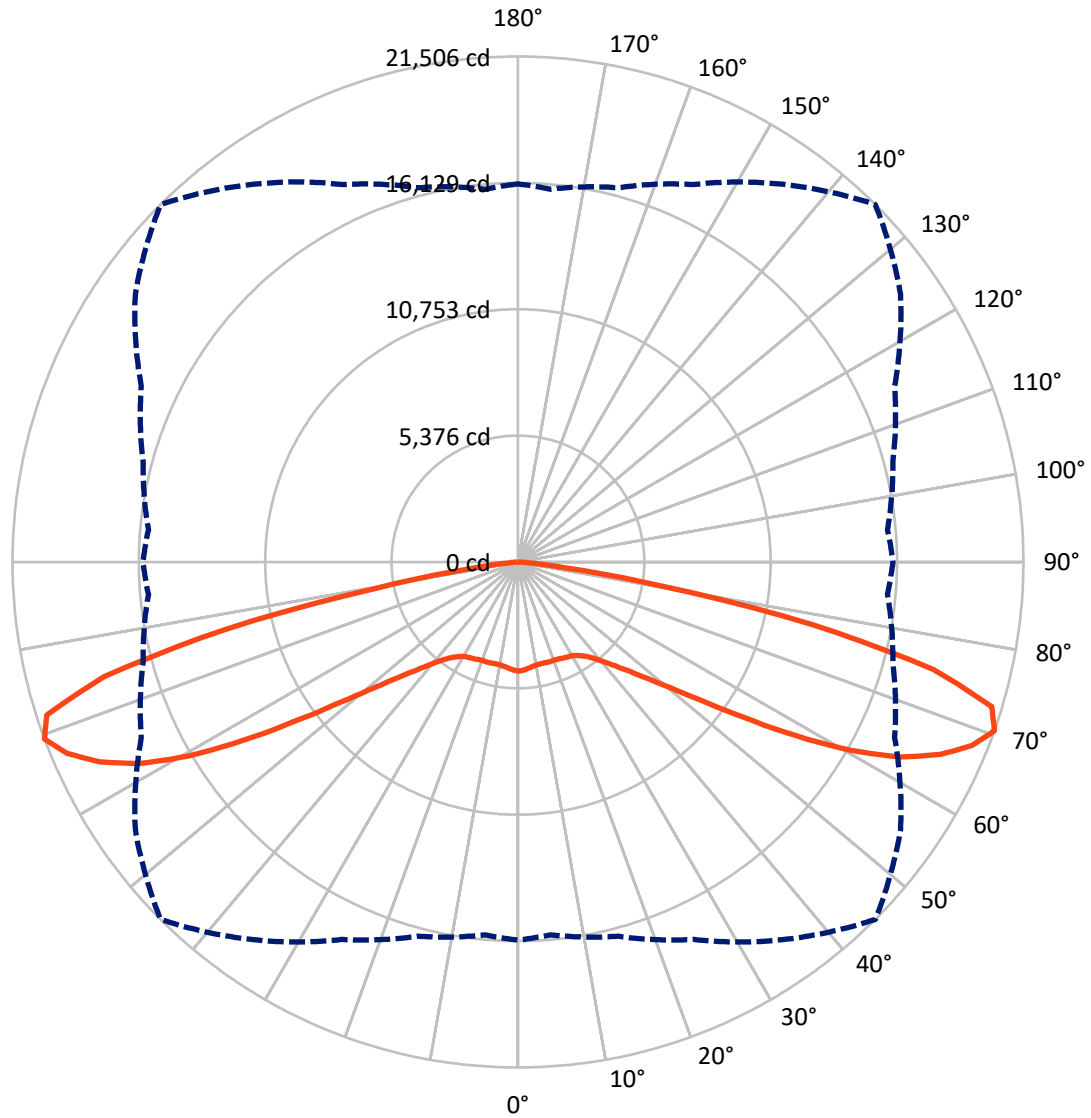
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	25461.5	0.0	25461.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25461.5	0.0	25461.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50923.0	0.0	50923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.1	0.8
10°-20°	1268.8	2.5
20°-30°	2111.5	4.1
30°-40°	3193.2	6.3
40°-50°	5306.3	10.4
50°-60°	10012.7	19.7
60°-70°	16906.9	33.2
70°-80°	11109.6	21.8
80°-90°	582.0	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°	50923.0	100.0
0°-180°	50923.0	100.0

Coefficient of Utilization



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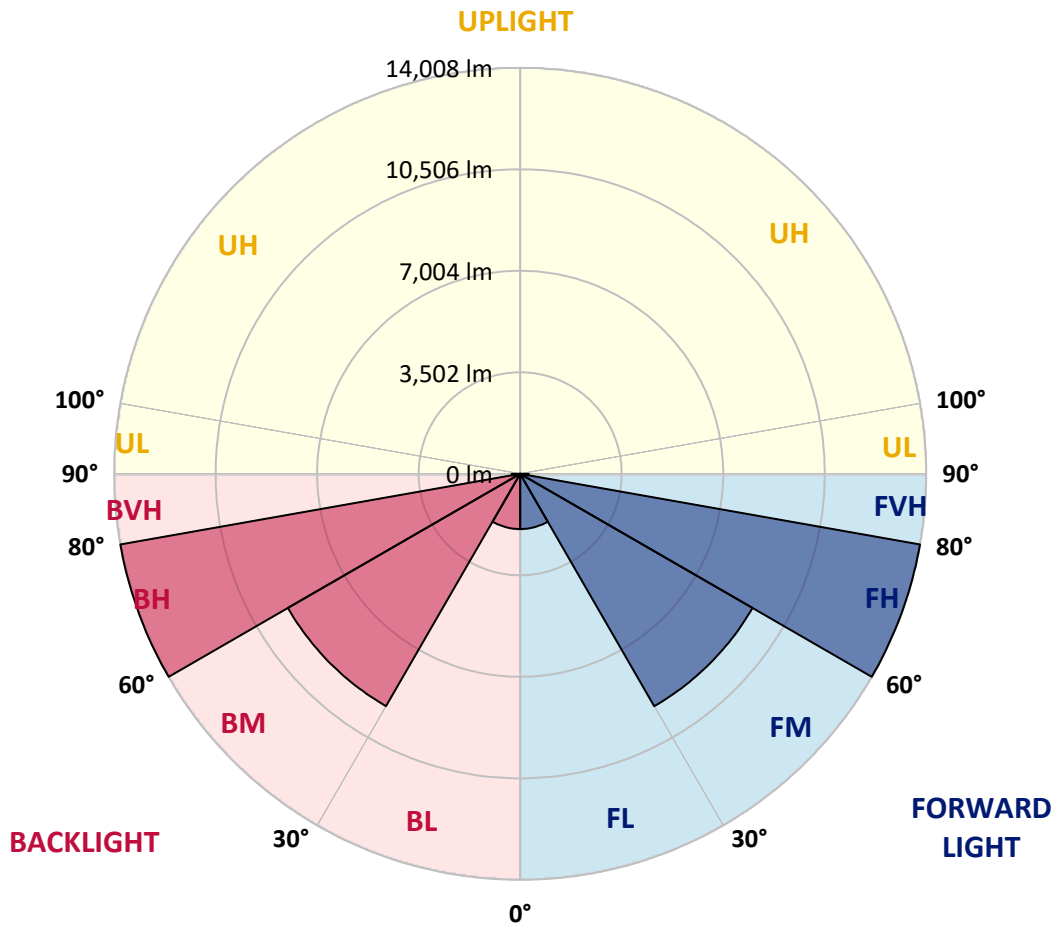
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1906.2	3.7			
FM (30°-60°)	9256.1	18.2			
FH (60°-80°)	14008.2	27.5			G5
FVH (80°-90°)	291.0	0.6			G3/500
BL (0°-30°)	1906.2	3.7	B3/2500		
BM (30°-60°)	9256.1	18.2	B5		
BH (60°-80°)	14008.2	27.5	B5		G5
BVH (80°-90°)	291.0	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4645.2	4645.2	4645.2	4645.2	4645.2	4645.2	4645.2	4645.2	4645.2	4645.2
2.5°	4616.1	4629.3	4624.0	4613.4	4613.4	4605.5	4613.4	4618.7	4626.7	4632.0
5°	4555.2	4565.8	4563.2	4555.2	4557.9	4549.9	4555.2	4563.2	4568.4	4571.1
7.5°	4502.3	4512.9	4507.6	4494.3	4494.3	4486.4	4489.0	4497.0	4504.9	4507.6
10°	4489.0	4499.6	4483.7	4462.6	4454.6	4444.0	4446.7	4454.6	4470.5	4478.5
12.5°	4494.3	4502.3	4486.4	4454.6	4446.7	4436.1	4436.1	4444.0	4465.2	4475.8
15°	4510.2	4518.2	4494.3	4459.9	4452.0	4444.0	4441.4	4452.0	4475.8	4494.3
17.5°	4539.3	4547.3	4510.2	4462.6	4452.0	4454.6	4452.0	4459.9	4497.0	4531.4
20°	4565.8	4571.1	4520.8	4462.6	4452.0	4454.6	4452.0	4467.9	4515.5	4563.2
22.5°	4573.7	4579.0	4531.4	4481.1	4473.2	4475.8	4473.2	4489.0	4534.0	4581.7
25°	4576.4	4584.3	4547.3	4507.6	4520.8	4526.1	4520.8	4523.4	4557.9	4600.2
27.5°	4616.1	4626.7	4592.3	4557.9	4565.8	4563.2	4571.1	4579.0	4605.5	4647.8
30°	4698.1	4706.1	4677.0	4642.6	4637.3	4618.7	4642.6	4669.0	4698.1	4735.2
32.5°	4833.1	4849.0	4812.0	4774.9	4751.1	4740.5	4759.0	4804.0	4843.7	4883.4
35°	5058.1	5068.7	5034.3	4965.5	4923.1	4923.1	4939.0	4997.2	5060.8	5111.0
37.5°	5375.7	5389.0	5328.1	5246.0	5182.5	5182.5	5203.7	5264.6	5359.8	5431.3
40°	5762.2	5780.7	5703.9	5619.2	5558.4	5547.8	5574.2	5643.1	5733.1	5823.0
42.5°	6228.0	6249.2	6148.6	6074.5	6026.9	6026.9	6040.1	6103.6	6185.7	6296.8
45°	6823.6	6860.6	6723.0	6648.9	6603.9	6614.5	6622.4	6678.0	6752.1	6879.1
47.5°	7532.9	7570.0	7424.4	7347.6	7339.7	7390.0	7358.2	7397.9	7437.6	7583.2
50°	8337.5	8401.1	8300.5	8295.2	8311.1	8403.7	8329.6	8350.8	8305.8	8398.4
52.5°	9322.2	9414.8	9396.3	9428.0	9605.4	9796.0	9626.6	9552.4	9383.0	9412.2
55°	10515.9	10656.2	10682.6	10873.2	11275.5	11664.6	11304.7	11005.6	10645.6	10579.4
57.5°	11873.7	11984.9	12111.9	12501.0	13252.7	13943.5	13252.7	12591.0	12024.6	11889.6
60°	13334.8	13472.4	13594.2	14168.5	15285.5	16256.9	15264.3	14213.5	13464.5	13281.8
62.5°	14904.4	15081.7	15166.4	15804.3	17106.5	18265.8	17125.0	15851.9	15020.8	14824.9
65°	16410.4	16556.0	16651.3	17331.5	18575.5	19737.5	18660.2	17405.6	16550.7	16293.9
67.5°	17111.8	17191.2	17424.1	18194.4	19507.2	20833.3	19729.5	18276.4	17320.9	16871.0
70°	16084.8	15923.4	16484.5	17717.9	19618.4	21505.6	19872.5	17680.9	16511.0	15780.5
72.5°	12429.6	12151.6	13125.7	15235.2	18347.9	21076.8	18474.9	15354.3	13731.8	12249.6
75°	6762.7	6447.7	7792.3	10460.3	14631.7	18268.5	14967.9	10759.4	8676.3	6712.4
77.5°	1908.4	1789.3	2874.5	5060.8	8800.7	12826.6	9139.5	5171.9	3409.1	2022.2
80°	585.0	566.4	767.6	1524.6	3737.3	6143.3	3591.8	1543.1	976.7	616.7
82.5°	346.7	317.6	381.1	555.8	952.9	1929.5	926.4	579.7	465.8	312.3
85°	198.5	185.3	225.0	270.0	320.3	410.3	267.3	275.3	248.8	166.8
87.5°	82.1	74.1	87.3	84.7	74.1	95.3	71.5	84.7	100.6	66.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4645.2
4629.3
4571.1
4507.6
4478.5
4478.5
4497.0
4531.4
4565.8
4581.7
4597.6
4637.3
4727.3
4867.5
5092.5
5404.8
5793.9
6288.9
6873.8
7540.8
8342.8
9314.2
10476.2
11794.3
13123.0
14666.1
16166.9
16876.2
15955.1
12617.5
7149.1
2247.2
651.1
338.8
174.7
60.9
0.0

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