

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: P943130

Luminaire Tested: **GALN-SB7C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943130
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-SB7C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44504 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

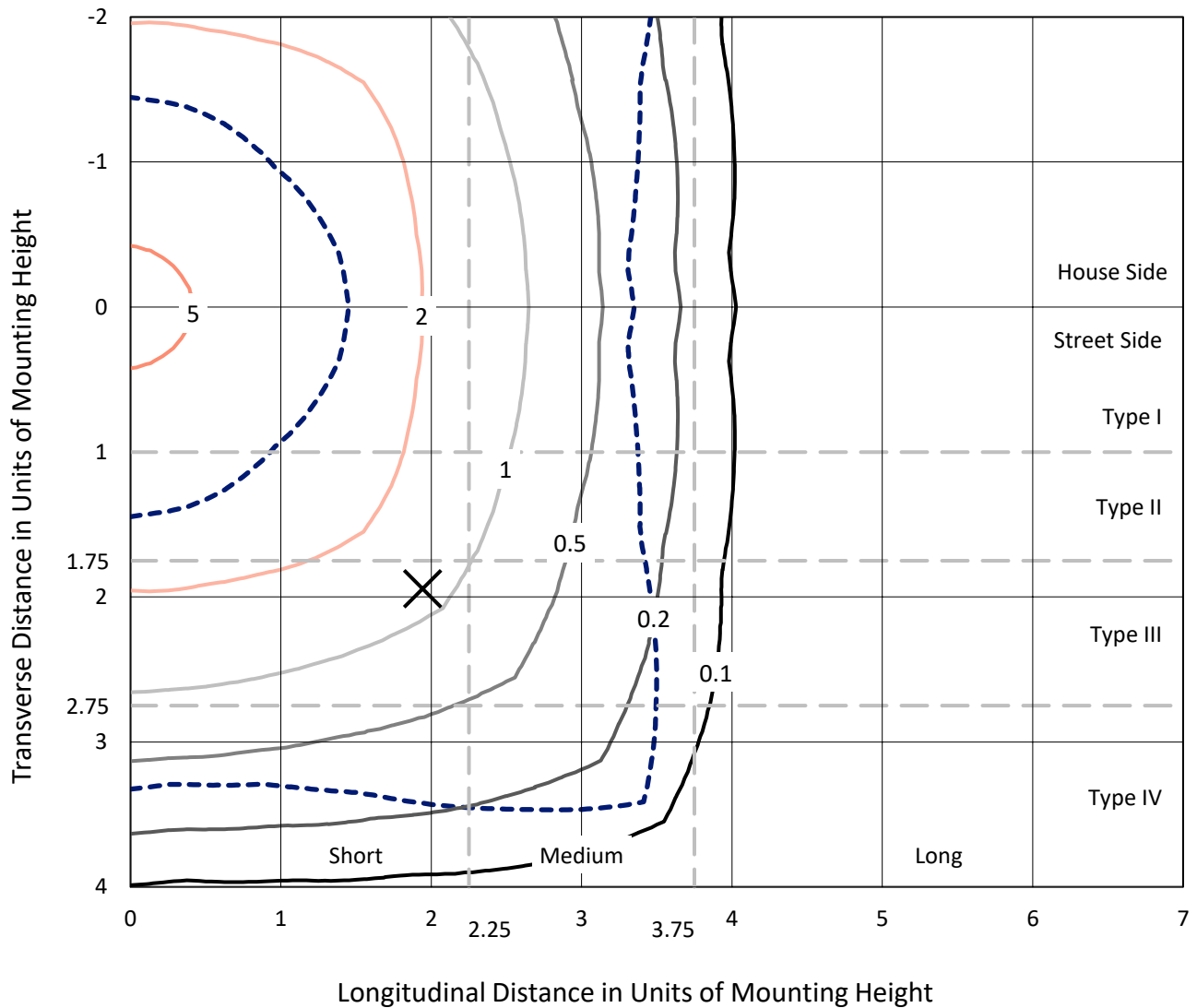
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

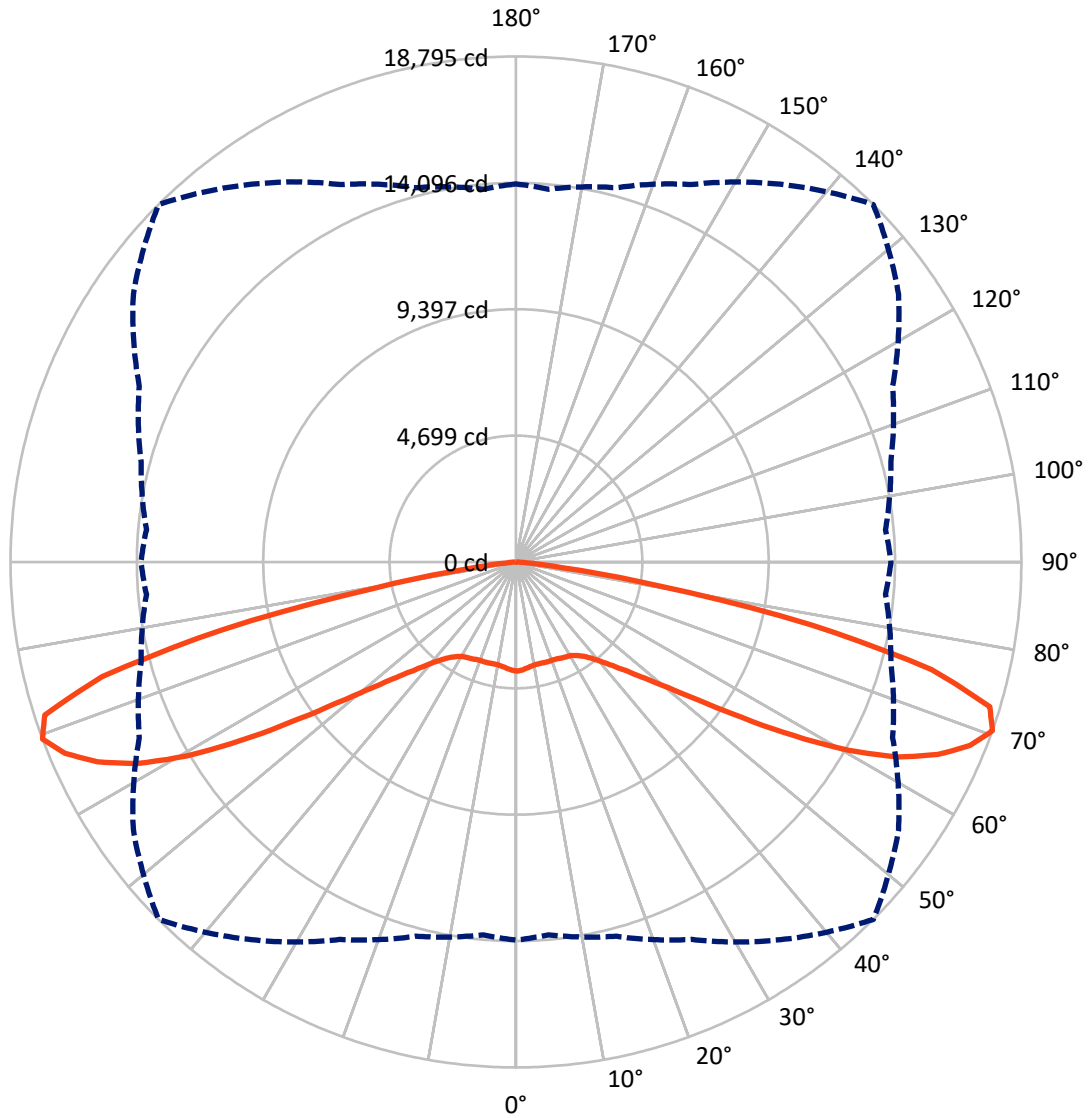
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	22252.0	0.0	22252.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22252.0	0.0	22252.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44504.0	0.0	44504.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.6	0.8
10°-20°	1108.9	2.5
20°-30°	1845.3	4.1
30°-40°	2790.6	6.3
40°-50°	4637.4	10.4
50°-60°	8750.6	19.7
60°-70°	14775.7	33.2
70°-80°	9709.2	21.8
80°-90°	508.7	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°	44504.0	100.0
0°-180°	44504.0	100.0



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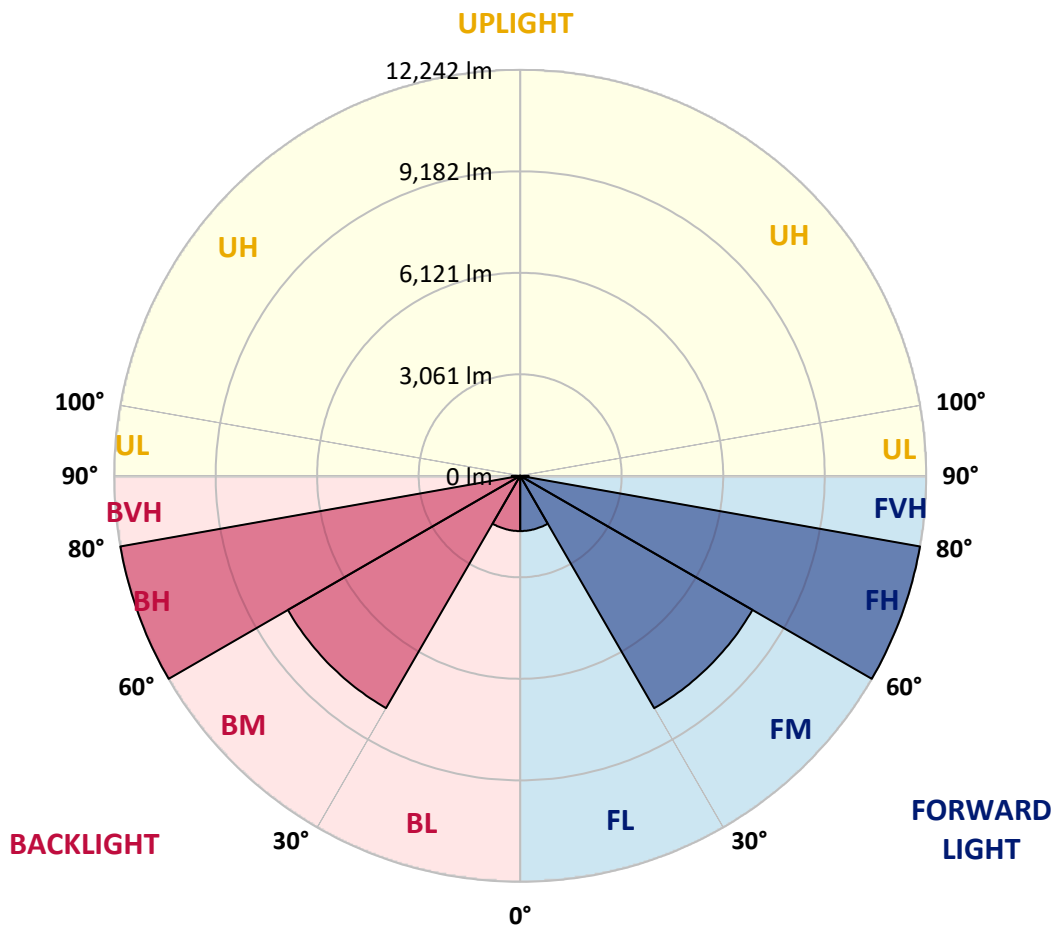
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1665.9	3.7			
FM (30°-60°)	8089.3	18.2			
FH (60°-80°)	12242.5	27.5			G5
FVH (80°-90°)	254.3	0.6			G3/500
BL (0°-30°)	1665.9	3.7	B3/2500		
BM (30°-60°)	8089.3	18.2	B4/8500		
BH (60°-80°)	12242.5	27.5	B5		G5
BVH (80°-90°)	254.3	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°	90°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4034.2	4045.8	4041.2	4031.9	4031.9	4025.0	4031.9	4036.5	4043.5	4048.1	4045.8
5°	3981.0	3990.3	3988.0	3981.0	3983.3	3976.4	3981.0	3988.0	3992.6	3994.9	3994.9
7.5°	3934.7	3944.0	3939.4	3927.8	3927.8	3920.9	3923.2	3930.1	3937.1	3939.4	3939.4
10°	3923.2	3932.4	3918.6	3900.1	3893.1	3883.9	3886.2	3893.1	3907.0	3913.9	3913.9
12.5°	3927.8	3934.7	3920.9	3893.1	3886.2	3876.9	3876.9	3883.9	3902.4	3911.6	3913.9
15°	3941.7	3948.6	3927.8	3897.7	3890.8	3883.9	3881.5	3890.8	3911.6	3927.8	3930.1
17.5°	3967.1	3974.1	3941.7	3900.1	3890.8	3893.1	3890.8	3897.7	3930.1	3960.2	3960.2
20°	3990.3	3994.9	3950.9	3900.1	3890.8	3893.1	3890.8	3904.7	3946.3	3988.0	3990.3
22.5°	3997.2	4001.8	3960.2	3916.2	3909.3	3911.6	3909.3	3923.2	3962.5	4004.1	4004.1
25°	3999.5	4006.5	3974.1	3939.4	3950.9	3955.6	3950.9	3953.3	3983.3	4020.3	4018.0
27.5°	4034.2	4043.5	4013.4	3983.3	3990.3	3988.0	3994.9	4001.8	4025.0	4062.0	4052.7
30°	4105.9	4112.9	4087.4	4057.3	4052.7	4036.5	4057.3	4080.5	4105.9	4138.3	4131.4
32.5°	4223.9	4237.8	4205.4	4173.0	4152.2	4142.9	4159.1	4198.5	4233.2	4267.8	4254.0
35°	4420.5	4429.8	4399.7	4339.6	4302.5	4302.5	4316.4	4367.3	4422.8	4466.8	4450.6
37.5°	4698.1	4709.7	4656.5	4584.8	4529.2	4529.2	4547.7	4600.9	4684.2	4746.7	4723.5
40°	5035.8	5052.0	4984.9	4910.9	4857.7	4848.5	4871.6	4931.7	5010.4	5089.0	5063.6
42.5°	5443.0	5461.5	5373.6	5308.8	5267.1	5267.1	5278.7	5334.2	5405.9	5503.1	5496.2
45°	5963.4	5995.8	5875.5	5810.8	5771.4	5780.7	5787.6	5836.2	5901.0	6012.0	6007.4
47.5°	6583.4	6615.7	6488.5	6421.4	6414.5	6458.4	6430.7	6465.4	6500.1	6627.3	6590.3
50°	7286.6	7342.1	7254.2	7249.6	7263.4	7344.4	7279.6	7298.1	7258.8	7339.8	7291.2
52.5°	8147.1	8228.0	8211.8	8239.6	8394.6	8561.1	8413.1	8348.3	8200.3	8225.7	8140.1
55°	9190.3	9312.9	9336.1	9502.6	9854.2	10194.3	9879.7	9618.3	9303.7	9245.8	9155.6
57.5°	10377.0	10474.2	10585.2	10925.2	11582.2	12185.9	11582.2	11003.9	10508.9	10390.9	10307.6
60°	11653.9	11774.2	11880.6	12382.5	13358.7	14207.7	13340.2	12421.9	11767.2	11607.6	11468.8
62.5°	13025.6	13180.6	13254.6	13812.1	14950.2	15963.4	14966.4	13853.7	13127.4	12956.2	12817.4
65°	14341.8	14469.0	14552.3	15146.8	16234.0	17249.5	16308.0	15211.6	14464.4	14240.0	14129.0
67.5°	14954.8	15024.2	15227.8	15900.9	17048.3	18207.2	17242.6	15972.6	15137.6	14744.3	14748.9
70°	14057.3	13916.2	14406.6	15484.5	17145.4	18794.7	17367.5	15452.2	14429.7	13791.3	13944.0
72.5°	10862.8	10619.9	11471.1	13314.8	16035.1	18420.0	16146.1	13418.9	12000.9	10705.5	11027.0
75°	5910.2	5634.9	6810.1	9141.8	12787.4	15965.7	13081.1	9403.1	7582.7	5866.3	6247.9
77.5°	1667.8	1563.7	2512.1	4422.8	7691.4	11209.8	7987.5	4520.0	2979.4	1767.3	1963.9
80°	511.2	495.0	670.8	1332.4	3266.2	5368.9	3139.0	1348.6	853.6	539.0	569.0
82.5°	303.0	277.6	333.1	485.8	832.8	1686.3	809.6	506.6	407.1	273.0	296.1
85°	173.5	161.9	196.6	235.9	279.9	358.5	233.6	240.6	217.4	145.7	152.7
87.5°	71.7	64.8	76.3	74.0	64.8	83.3	62.5	74.0	87.9	57.8	53.2
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)