

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: P943140

Luminaire Tested: **GALN-SB7C-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943140
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49969 lumens
Efficiency: N/A
Efficacy: 142.6 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



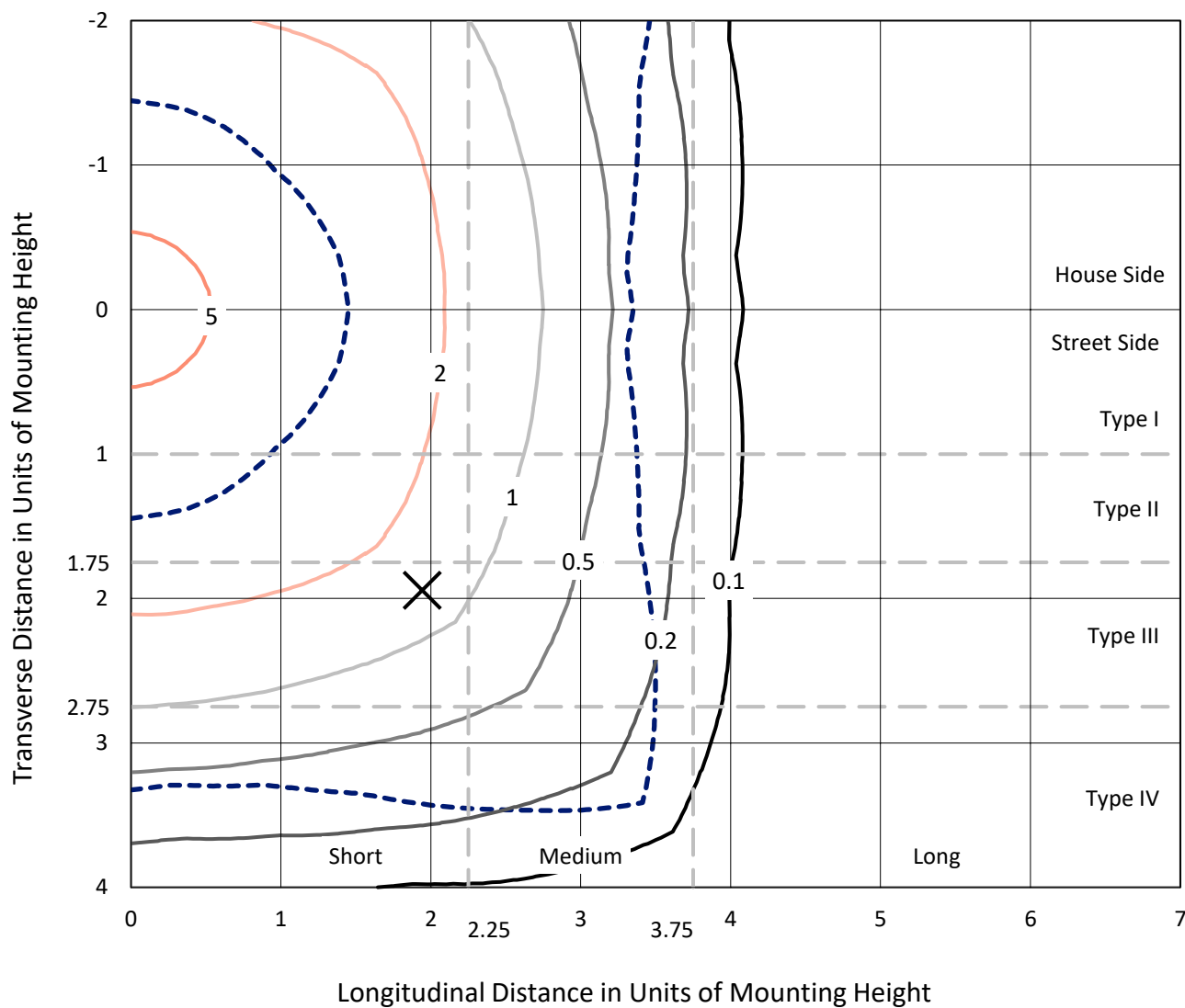
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

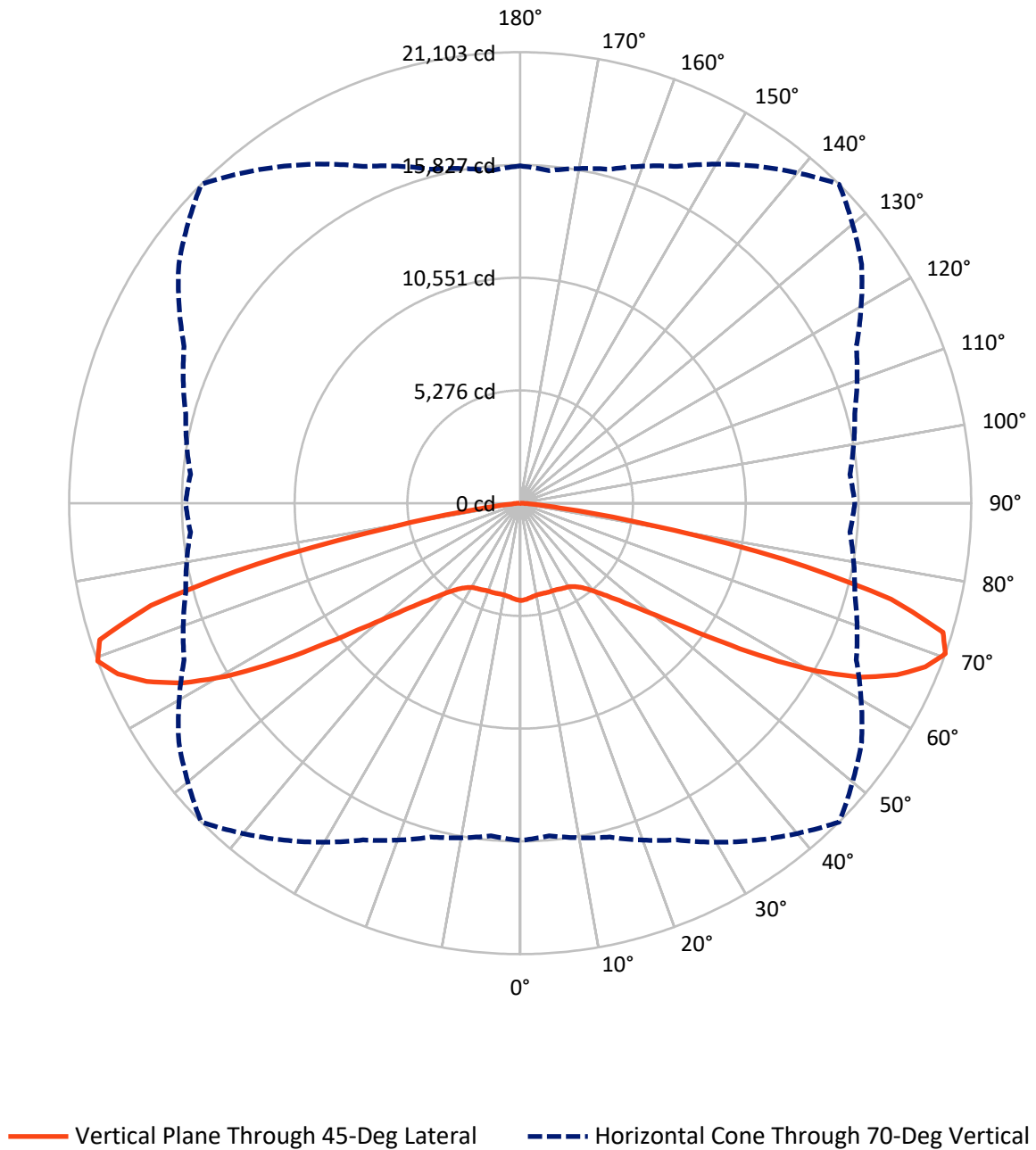


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24984.5	0.0	24984.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24984.5	0.0	24984.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49969.0	0.0	49969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.0	0.8
10°-20°	1245.0	2.5
20°-30°	2071.9	4.1
30°-40°	3133.3	6.3
40°-50°	5206.8	10.4
50°-60°	9825.1	19.7
60°-70°	16590.1	33.2
70°-80°	10901.4	21.8
80°-90°	571.1	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°	49969.0	100.0
0°-180°	49969.0	100.0

Coefficient of Utilization



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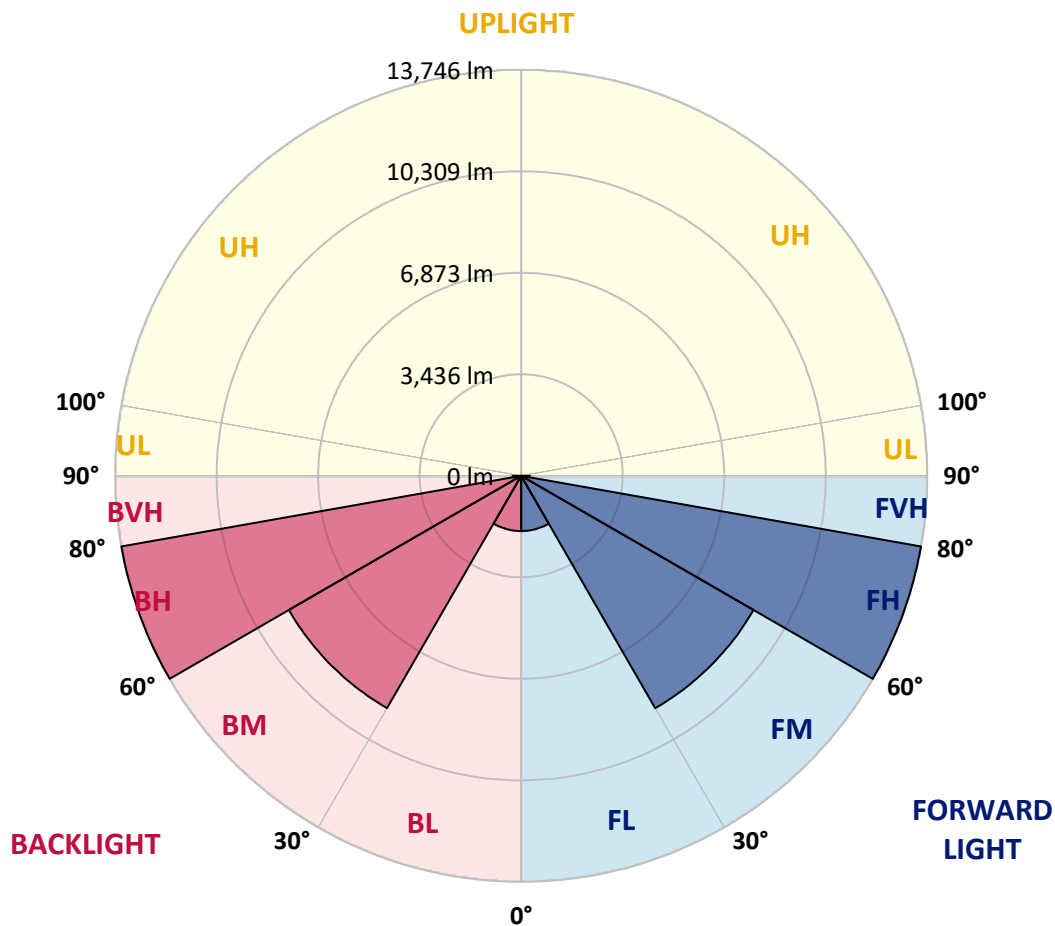
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1870.5	3.7			
FM	(30°-60°)	9082.7	18.2			
FH	(60°-80°)	13745.8	27.5			G5
FVH	(80°-90°)	285.6	0.6			G3/500
BL	(0°-30°)	1870.5	3.7	B3/2500		
BM	(30°-60°)	9082.7	18.2	B5		
BH	(60°-80°)	13745.8	27.5	B5		G5
BVH	(80°-90°)	285.6	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°	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2	4558.2
2.5°	4529.6	4542.6	4537.4	4527.0	4527.0	4519.2	4527.0	4532.2	4540.0	4545.2	4542.6
5°	4469.9	4480.3	4477.7	4469.9	4472.5	4464.7	4469.9	4477.7	4482.9	4485.5	4485.5
7.5°	4417.9	4428.3	4423.1	4410.1	4410.1	4402.3	4404.9	4412.7	4420.5	4423.1	4423.1
10°	4404.9	4415.3	4399.7	4379.0	4371.2	4360.8	4363.4	4371.2	4386.8	4394.6	4394.6
12.5°	4410.1	4417.9	4402.3	4371.2	4363.4	4353.0	4353.0	4360.8	4381.6	4392.0	4394.6
15°	4425.7	4433.5	4410.1	4376.4	4368.6	4360.8	4358.2	4368.6	4392.0	4410.1	4412.7
17.5°	4454.3	4462.1	4425.7	4379.0	4368.6	4371.2	4368.6	4376.4	4412.7	4446.5	4446.5
20°	4480.3	4485.5	4436.1	4379.0	4368.6	4371.2	4368.6	4384.2	4430.9	4477.7	4480.3
22.5°	4488.1	4493.2	4446.5	4397.1	4389.4	4392.0	4389.4	4404.9	4449.1	4495.8	4495.8
25°	4490.7	4498.4	4462.1	4423.1	4436.1	4441.3	4436.1	4438.7	4472.5	4514.0	4511.4
27.5°	4529.6	4540.0	4506.2	4472.5	4480.3	4477.7	4485.5	4493.2	4519.2	4560.8	4550.4
30°	4610.1	4617.9	4589.3	4555.6	4550.4	4532.2	4555.6	4581.6	4610.1	4646.5	4638.7
32.5°	4742.6	4758.2	4721.8	4685.4	4662.1	4651.7	4669.9	4714.0	4753.0	4791.9	4776.3
35°	4963.4	4973.7	4940.0	4872.4	4830.9	4830.9	4846.5	4903.6	4965.9	5015.3	4997.1
37.5°	5275.0	5288.0	5228.3	5147.8	5085.4	5085.4	5106.2	5165.9	5259.4	5329.6	5303.6
40°	5654.2	5672.4	5597.1	5514.0	5454.2	5443.8	5469.8	5537.3	5625.6	5714.0	5685.4
42.5°	6111.3	6132.1	6033.4	5960.7	5913.9	5913.9	5926.9	5989.3	6069.8	6178.9	6171.1
45°	6695.7	6732.1	6597.0	6524.3	6480.1	6490.5	6498.3	6552.9	6625.6	6750.3	6745.1
47.5°	7391.8	7428.1	7285.3	7210.0	7202.2	7251.5	7220.4	7259.3	7298.3	7441.1	7399.6
50°	8181.3	8243.7	8145.0	8139.8	8155.4	8246.3	8173.6	8194.3	8150.2	8241.1	8186.5
52.5°	9147.5	9238.4	9220.2	9251.4	9425.4	9612.4	9446.2	9373.5	9207.3	9235.8	9139.7
55°	10318.9	10456.5	10482.5	10669.5	11064.3	11446.1	11092.9	10799.4	10446.2	10381.2	10279.9
57.5°	11651.3	11760.4	11885.0	12266.8	13004.4	13682.3	13004.4	12355.1	11799.3	11666.9	11573.4
60°	13085.0	13220.0	13339.5	13903.1	14999.1	15952.3	14978.4	13947.2	13212.2	13033.0	12877.2
62.5°	14625.1	14799.1	14882.3	15508.2	16786.0	17923.6	16804.2	15554.9	14739.4	14547.2	14391.4
65°	16103.0	16245.8	16339.3	17006.8	18227.5	19367.7	18310.6	17079.5	16240.6	15988.7	15864.0
67.5°	16791.2	16869.2	17097.7	17853.5	19141.8	20443.0	19359.9	17934.0	16996.4	16554.9	16560.1
70°	15783.5	15625.1	16175.7	17386.0	19250.8	21102.7	19500.2	17349.6	16201.7	15484.8	15656.2
72.5°	12196.7	11924.0	12879.8	14949.8	18004.2	20681.9	18128.8	15066.7	13474.5	12020.1	12381.1
75°	6636.0	6326.9	7646.3	10264.3	14357.6	17926.2	14687.5	10557.8	8513.8	6586.6	7015.2
77.5°	1872.6	1755.7	2820.6	4965.9	8635.9	12586.3	8968.3	5075.0	3345.3	1984.3	2205.1
80°	574.0	555.8	753.2	1496.0	3667.3	6028.2	3524.5	1514.2	958.4	605.2	638.9
82.5°	340.2	311.7	374.0	545.4	935.0	1893.4	909.0	568.8	457.1	306.5	332.4
85°	194.8	181.8	220.8	264.9	314.3	402.6	262.3	270.1	244.1	163.6	171.4
87.5°	80.5	72.7	85.7	83.1	72.7	93.5	70.1	83.1	98.7	64.9	59.7
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)