

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: P954133

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954133
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-SB7C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51735 lumens
Efficiency: N/A
Efficacy: 147.6 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



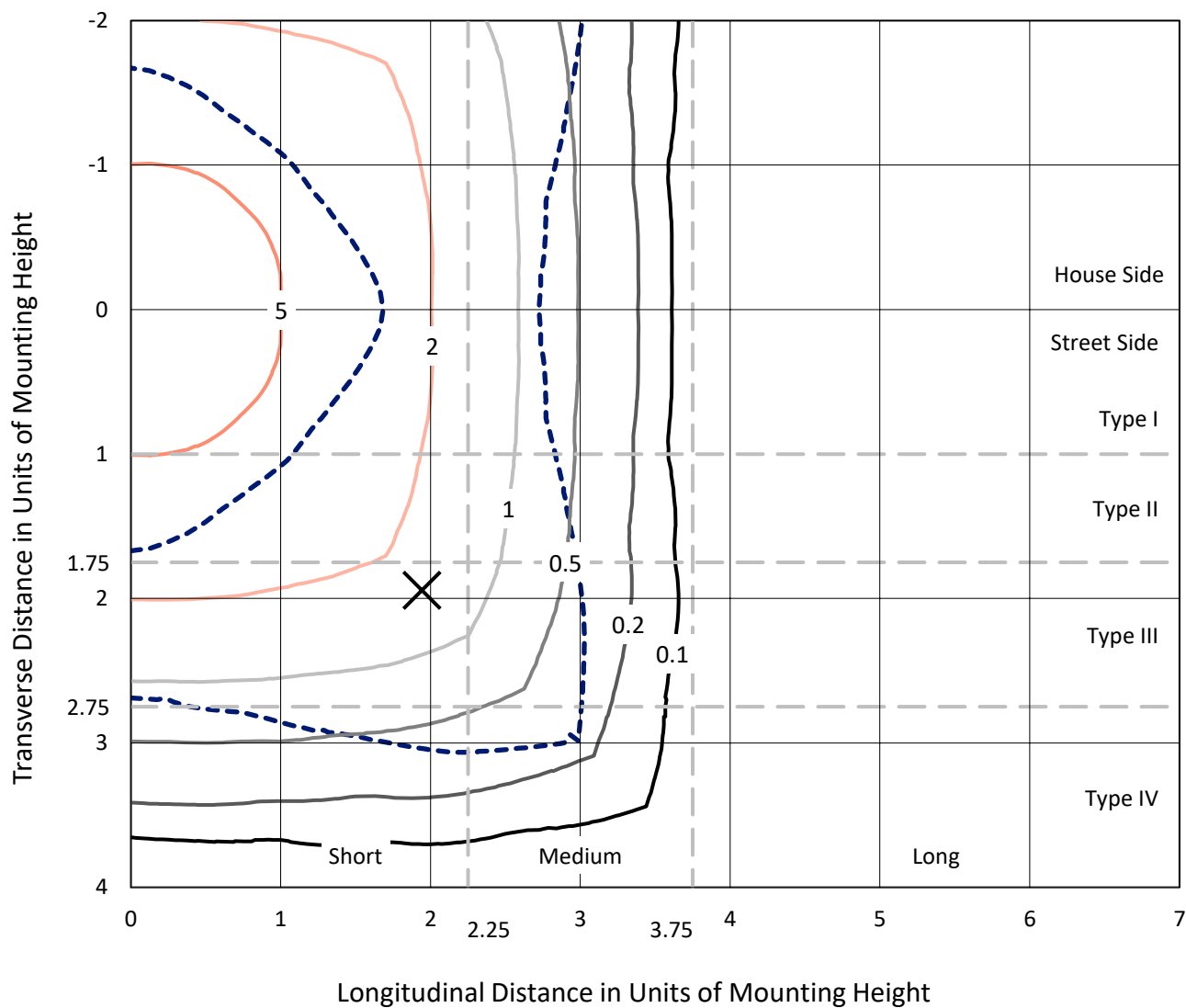
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

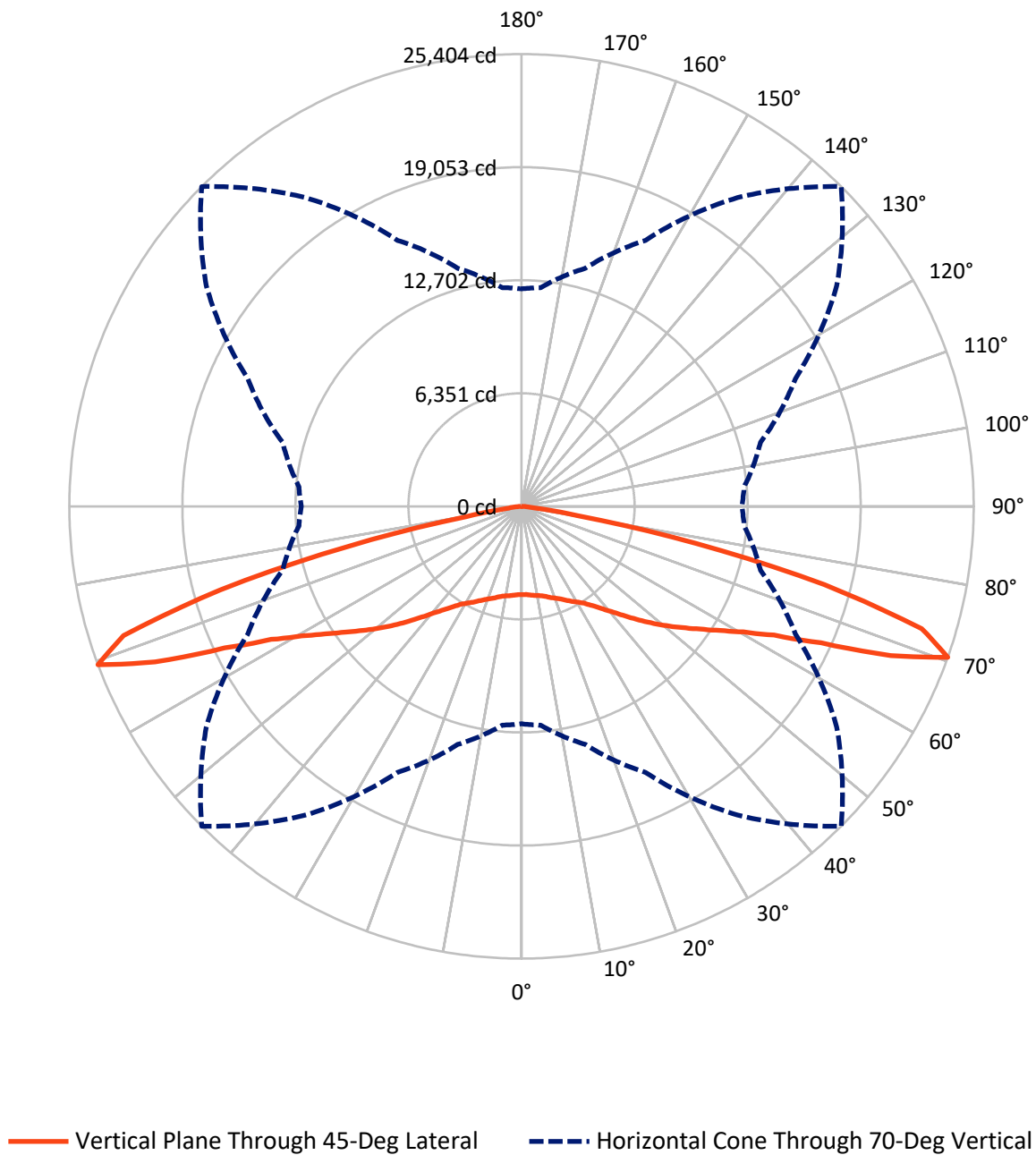


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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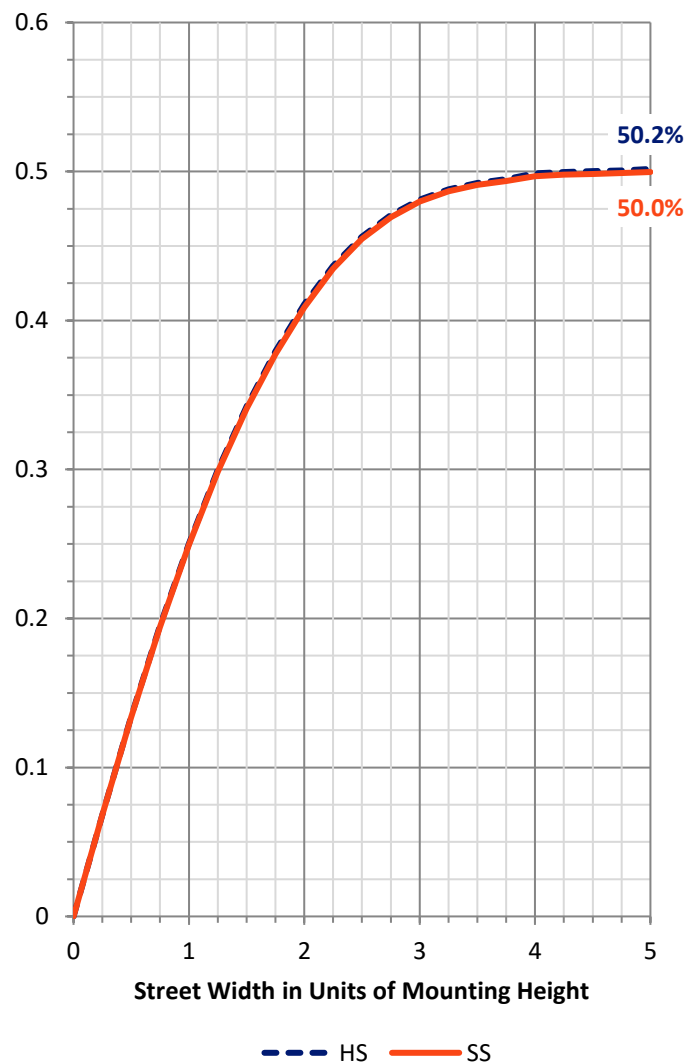
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25867.5	0.0	25867.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25867.5	0.0	25867.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51735.0	0.0	51735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.4	0.9
10°-20°	1492.9	2.9
20°-30°	2668.0	5.2
30°-40°	4324.8	8.4
40°-50°	7044.4	13.6
50°-60°	10740.3	20.8
60°-70°	15978.1	30.9
70°-80°	8708.6	16.8
80°-90°	296.5	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°	51735.0	100.0
0°-180°	51735.0	100.0

Coefficient of Utilization



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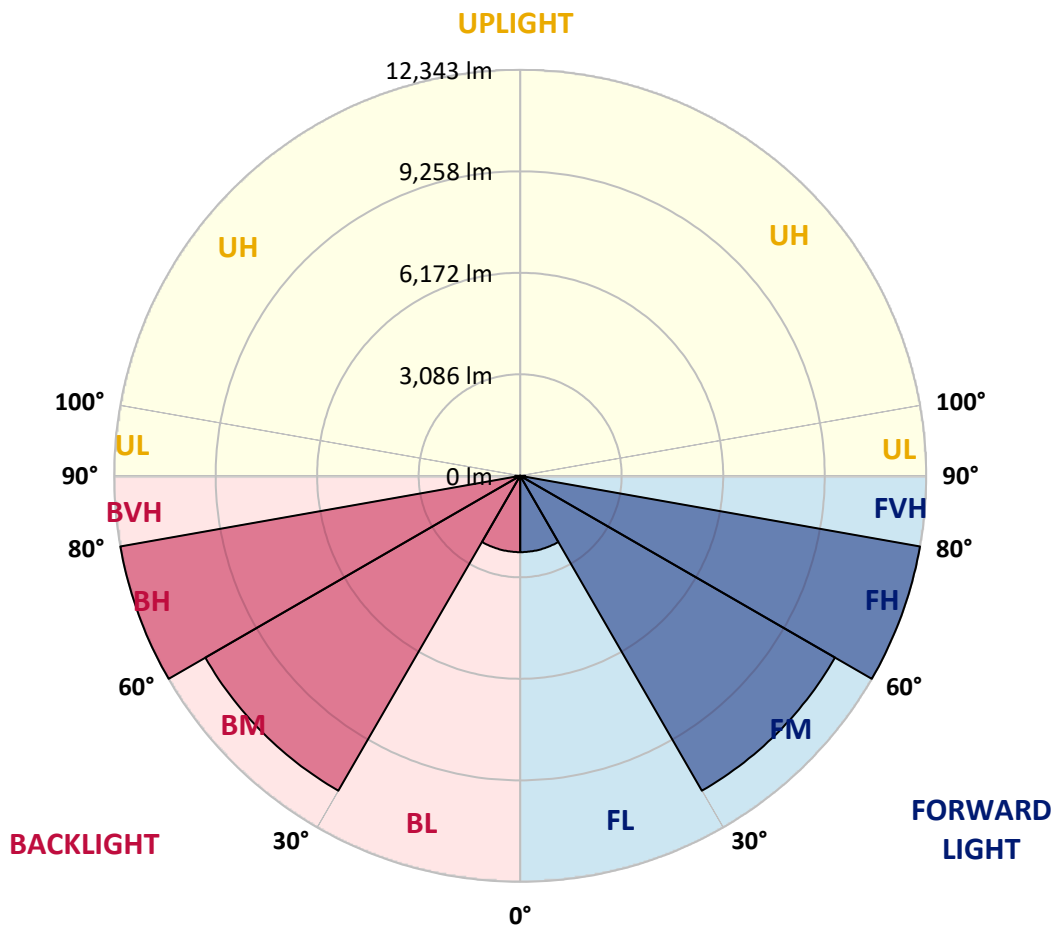
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2321.2	4.5			
FM	(30°-60°)	11054.7	21.4			
FH	(60°-80°)	12343.3	23.9			G5
FVH	(80°-90°)	148.3	0.3			G2/225
BL	(0°-30°)	2321.2	4.5	B3/2500		
BM	(30°-60°)	11054.7	21.4	B5		
BH	(60°-80°)	12343.3	23.9	B5		G5
BVH	(80°-90°)	148.3	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7	4955.7
2.5°	4979.1	4984.2	4973.9	4968.7	4963.5	4955.7	4958.3	4971.3	4981.7	4979.1	4981.7
5°	5020.6	5025.8	5018.0	5015.4	5005.0	5002.4	5002.4	5015.4	5023.2	5018.0	5020.6
7.5°	5067.4	5075.2	5062.2	5059.6	5054.4	5049.2	5046.6	5059.6	5067.4	5067.4	5067.4
10°	5111.5	5119.3	5108.9	5101.1	5095.9	5095.9	5090.7	5101.1	5114.1	5111.5	5111.5
12.5°	5158.3	5163.5	5153.1	5147.9	5147.9	5155.7	5147.9	5153.1	5163.5	5158.3	5155.7
15°	5215.4	5218.0	5215.4	5223.2	5236.2	5262.2	5238.8	5233.6	5238.8	5225.8	5225.8
17.5°	5293.3	5298.5	5308.9	5327.1	5345.3	5392.0	5350.5	5337.5	5337.5	5311.5	5311.5
20°	5389.4	5397.2	5412.8	5444.0	5467.3	5511.5	5469.9	5451.8	5444.0	5410.2	5410.2
22.5°	5490.7	5503.7	5527.1	5568.6	5610.2	5651.8	5610.2	5579.0	5555.7	5511.5	5508.9
25°	5607.6	5623.2	5659.5	5727.1	5784.2	5844.0	5794.6	5732.3	5685.5	5623.2	5620.6
27.5°	5773.8	5792.0	5836.2	5919.3	5992.0	6044.0	5997.2	5916.7	5851.8	5776.4	5773.8
30°	6007.6	6025.8	6077.7	6166.0	6215.4	6249.1	6218.0	6155.6	6077.7	5992.0	5992.0
32.5°	6308.9	6332.3	6389.4	6472.5	6482.9	6488.1	6477.7	6446.5	6389.4	6285.5	6288.1
35°	6690.7	6716.7	6781.6	6849.1	6838.7	6849.1	6833.5	6823.1	6781.6	6662.1	6662.1
37.5°	7158.2	7189.4	7256.9	7308.8	7282.9	7269.9	7272.5	7275.1	7251.7	7119.2	7119.2
40°	7701.0	7742.6	7791.9	7846.5	7802.3	7763.4	7789.3	7810.1	7789.3	7654.3	7654.3
42.5°	8259.5	8319.2	8371.1	8449.1	8412.7	8363.4	8399.7	8423.1	8378.9	8233.5	8243.9
45°	8880.2	8937.4	9004.9	9121.8	9095.8	9043.9	9095.8	9101.0	9025.7	8854.2	8872.4
47.5°	9521.8	9581.5	9682.8	9838.6	9828.2	9771.1	9838.6	9802.3	9706.2	9501.0	9488.0
50°	10129.5	10212.6	10368.5	10586.7	10607.4	10537.3	10628.2	10558.1	10397.1	10139.9	10134.7
52.5°	10700.9	10789.2	11036.0	11332.1	11407.4	11316.5	11438.6	11316.5	11075.0	10745.1	10713.9
55°	11300.9	11399.6	11693.1	12080.1	12230.8	12163.2	12277.5	12093.1	11750.3	11350.3	11295.7
57.5°	12007.4	12067.1	12417.8	12877.5	13132.0	13147.6	13199.6	12887.9	12472.3	12017.8	11955.4
60°	12773.6	12856.7	13238.5	13789.1	14191.7	14321.6	14267.1	13804.7	13321.6	12799.6	12716.5
62.5°	13755.4	13846.3	14303.4	14963.1	15599.5	15921.5	15708.6	15038.5	14441.1	13815.1	13706.0
65°	14568.3	14669.6	15495.6	16672.2	17830.6	18477.3	17942.3	16708.5	15633.2	14750.2	14604.7
67.5°	13978.8	14103.4	15399.5	17560.4	20440.9	22370.7	20539.6	17825.4	15719.0	14521.6	14342.4
70°	12217.8	12334.7	13846.3	16487.8	21175.9	25404.3	21617.5	16973.5	13895.6	12555.4	12376.2
72.5°	8111.4	8488.0	10017.8	13186.6	18908.5	23508.3	19095.5	12919.0	9293.2	8093.2	7830.9
75°	2690.8	2992.1	4036.2	6836.1	12664.5	17581.2	12056.7	6049.1	3197.3	2301.2	2176.6
77.5°	677.9	781.8	1077.9	1955.8	5051.8	10010.1	4547.9	1597.3	870.1	607.8	542.8
80°	329.9	363.6	519.5	651.9	1264.9	3181.7	1187.0	613.0	410.4	316.9	290.9
82.5°	181.8	184.4	293.5	368.8	470.1	823.3	488.3	358.4	236.4	192.2	192.2
85°	111.7	109.1	155.8	197.4	197.4	293.5	233.8	197.4	135.1	119.5	124.7
87.5°	44.2	44.2	57.1	62.3	54.5	75.3	59.7	64.9	51.9	49.3	51.9
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)