

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: P952705

Luminaire Tested: **GALN-SB6C-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952705
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-SB6C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 44114 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 300.9
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



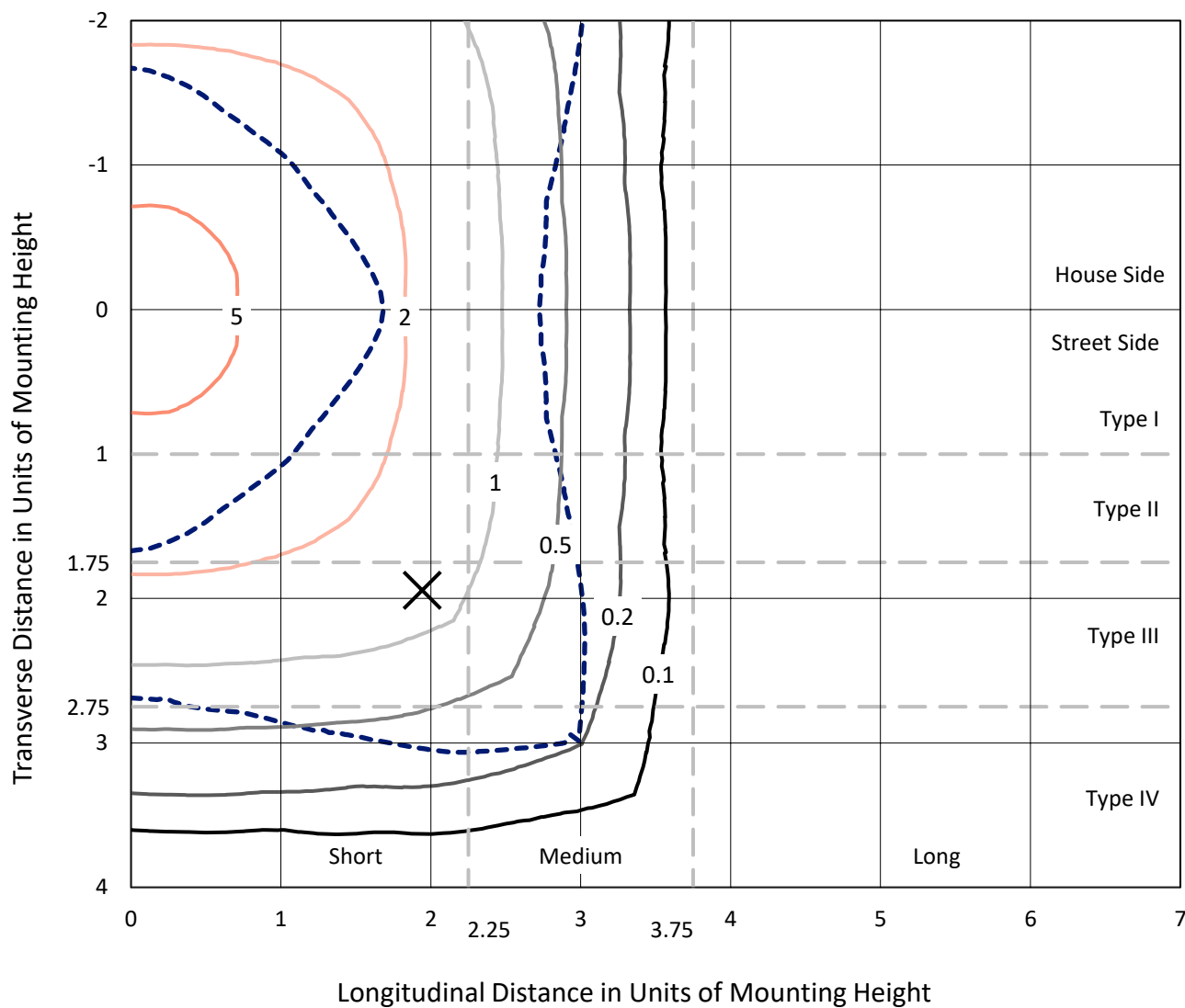
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Iso-Footcandle Lines of Horizontal Illumination

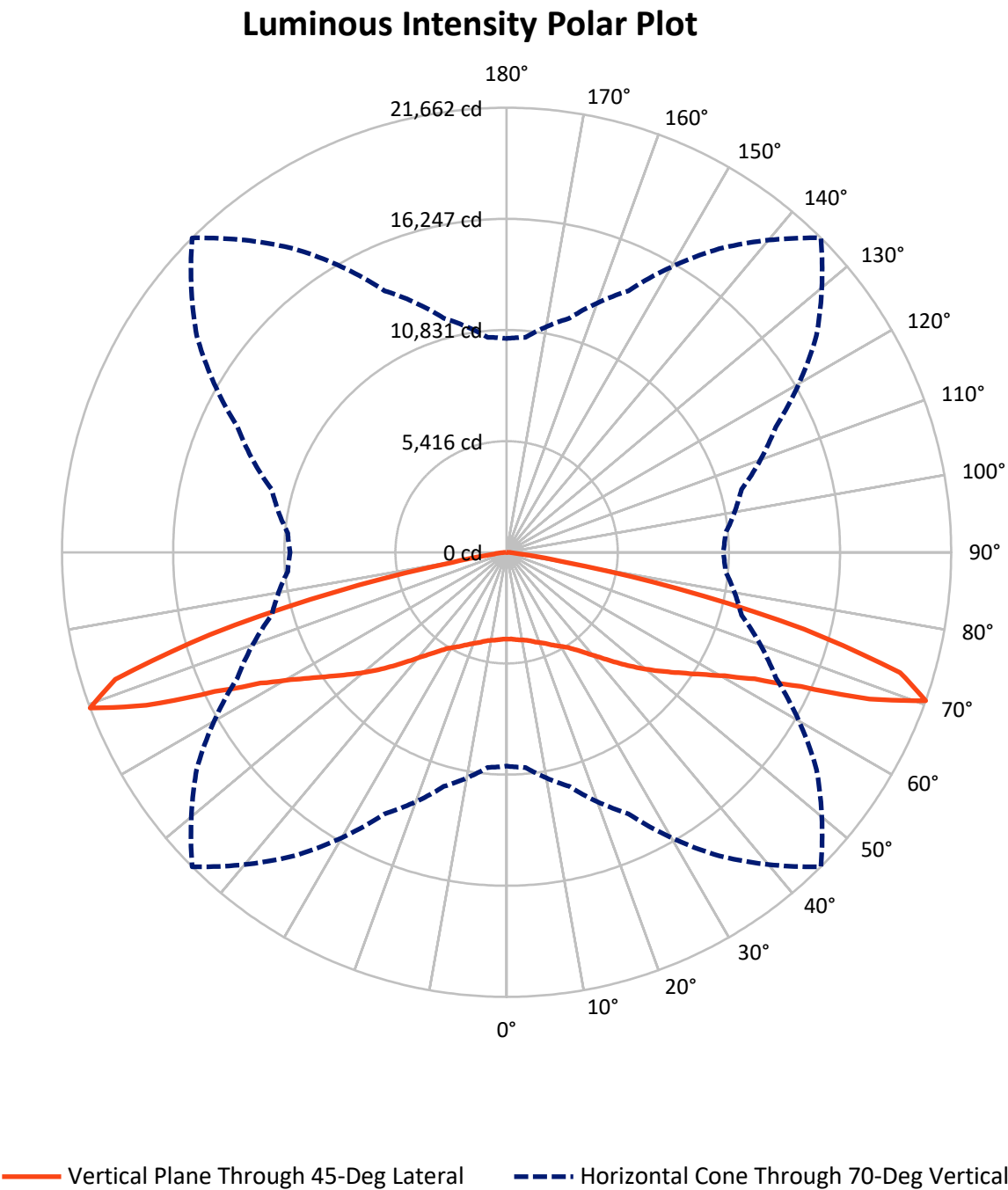
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22057.0	0.0	22057.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22057.0	0.0	22057.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44114.0	0.0	44114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	0.9
10°-20°	1273.0	2.9
20°-30°	2275.0	5.2
30°-40°	3687.7	8.4
40°-50°	6006.7	13.6
50°-60°	9158.1	20.8
60°-70°	13624.4	30.9
70°-80°	7425.7	16.8
80°-90°	252.9	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°	44114.0	100.0
0°-180°	44114.0	100.0

Coefficient of Utilization



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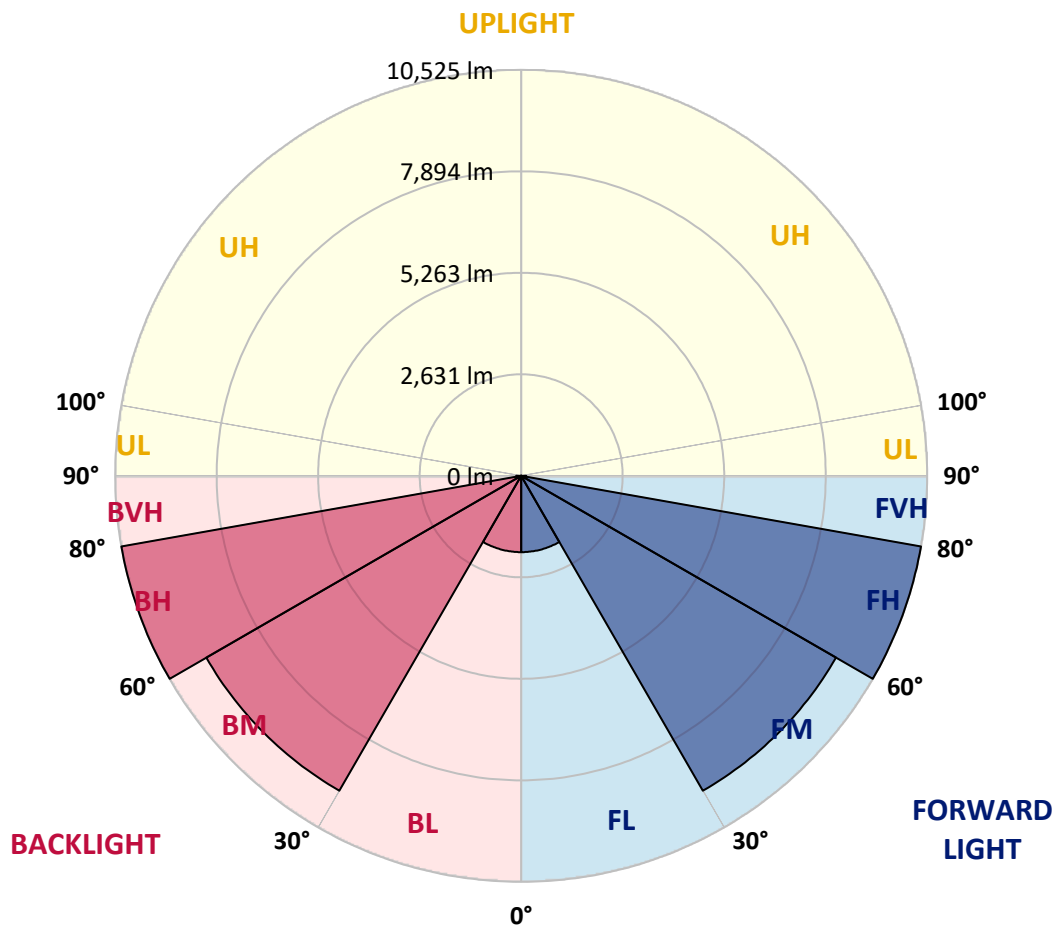
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1979.2	4.5			
FM	(30°-60°)	9426.3	21.4			
FH	(60°-80°)	10525.1	23.9			G4/12000
FVH	(80°-90°)	126.4	0.3			G2/225
BL	(0°-30°)	1979.2	4.5	B3/2500		
BM	(30°-60°)	9426.3	21.4	B5		
BH	(60°-80°)	10525.1	23.9	B5		G4/12000
BVH	(80°-90°)	126.4	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7	4225.7
2.5°	4245.6	4250.0	4241.2	4236.7	4232.3	4225.7	4227.9	4239.0	4247.8	4245.6	4247.8
5°	4281.0	4285.5	4278.8	4276.6	4267.7	4265.5	4265.5	4276.6	4283.2	4278.8	4281.0
7.5°	4320.9	4327.5	4316.5	4314.3	4309.8	4305.4	4303.2	4314.3	4320.9	4320.9	4320.9
10°	4358.5	4365.2	4356.3	4349.7	4345.3	4345.3	4340.8	4349.7	4360.8	4358.5	4358.5
12.5°	4398.4	4402.8	4394.0	4389.6	4389.6	4396.2	4389.6	4394.0	4402.8	4398.4	4396.2
15°	4447.1	4449.4	4447.1	4453.8	4464.9	4487.0	4467.1	4462.6	4467.1	4456.0	4456.0
17.5°	4513.6	4518.0	4526.9	4542.4	4557.9	4597.7	4562.3	4551.2	4551.2	4529.1	4529.1
20°	4595.5	4602.2	4615.5	4642.0	4662.0	4699.6	4664.2	4648.7	4642.0	4613.2	4613.2
22.5°	4681.9	4693.0	4712.9	4748.3	4783.8	4819.2	4783.8	4757.2	4737.3	4699.6	4697.4
25°	4781.6	4794.8	4825.9	4883.4	4932.2	4983.1	4941.0	4887.9	4848.0	4794.8	4792.6
27.5°	4923.3	4938.8	4976.5	5047.3	5109.3	5153.6	5113.8	5045.1	4989.7	4925.5	4923.3
30°	5122.6	5138.1	5182.4	5257.7	5299.8	5328.6	5302.0	5248.9	5182.4	5109.3	5109.3
32.5°	5379.5	5399.5	5448.2	5519.1	5527.9	5532.3	5523.5	5496.9	5448.2	5359.6	5361.8
35°	5705.1	5727.2	5782.6	5840.2	5831.3	5840.2	5826.9	5818.0	5782.6	5680.7	5680.7
37.5°	6103.7	6130.3	6187.9	6232.2	6210.0	6199.0	6201.2	6203.4	6183.5	6070.5	6070.5
40°	6566.6	6602.0	6644.1	6690.6	6653.0	6619.8	6641.9	6659.6	6641.9	6526.7	6526.7
42.5°	7042.8	7093.7	7138.0	7204.4	7173.4	7131.4	7162.4	7182.3	7144.7	7020.6	7029.5
45°	7572.1	7620.8	7678.4	7778.1	7755.9	7711.6	7755.9	7760.3	7696.1	7549.9	7565.4
47.5°	8119.1	8170.1	8256.4	8389.3	8380.5	8331.7	8389.3	8358.3	8276.4	8101.4	8090.3
50°	8637.4	8708.2	8841.1	9027.2	9044.9	8985.1	9062.6	9002.8	8865.5	8646.2	8641.8
52.5°	9124.6	9199.9	9410.3	9662.8	9727.0	9649.5	9753.6	9649.5	9443.5	9162.3	9135.7
55°	9636.2	9720.4	9970.6	10300.6	10429.1	10371.5	10468.9	10311.7	10019.3	9678.3	9631.8
57.5°	10238.6	10289.5	10588.5	10980.5	11197.6	11210.9	11255.2	10989.4	10635.0	10247.5	10194.3
60°	10891.9	10962.8	11288.4	11757.9	12101.2	12211.9	12165.4	11771.2	11359.2	10914.1	10843.2
62.5°	11729.1	11806.6	12196.4	12758.9	13301.5	13576.2	13394.6	12823.2	12313.8	11780.0	11687.0
65°	12422.3	12508.7	13213.0	14216.2	15204.0	15755.4	15299.2	14247.2	13330.3	12577.3	12453.3
67.5°	11919.6	12025.9	13131.0	14973.6	17429.8	19075.3	17513.9	15199.5	13403.4	12382.4	12229.6
70°	10418.0	10517.7	11806.6	14059.0	18056.5	21662.1	18433.0	14473.1	11848.7	10705.9	10553.1
72.5°	6916.5	7237.7	8542.1	11244.1	16123.1	20045.3	16282.5	11016.0	7924.2	6901.0	6677.3
75°	2294.4	2551.3	3441.7	5829.1	10798.9	14991.4	10280.7	5158.1	2726.3	1962.2	1855.9
77.5°	578.0	666.6	919.1	1667.7	4307.6	8535.5	3878.0	1362.0	741.9	518.2	462.9
80°	281.3	310.1	442.9	555.9	1078.6	2713.0	1012.1	522.7	349.9	270.2	248.0
82.5°	155.0	157.2	250.3	314.5	400.9	702.1	416.4	305.6	201.5	163.9	163.9
85°	95.2	93.0	132.9	168.3	168.3	250.3	199.3	168.3	115.2	101.9	106.3
87.5°	37.7	37.7	48.7	53.2	46.5	64.2	50.9	55.4	44.3	42.1	44.3
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)