

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: P952726

Luminaire Tested: **GALN-SB6C-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952726
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47561 lumens
Efficiency: N/A
Efficacy: 158.1 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

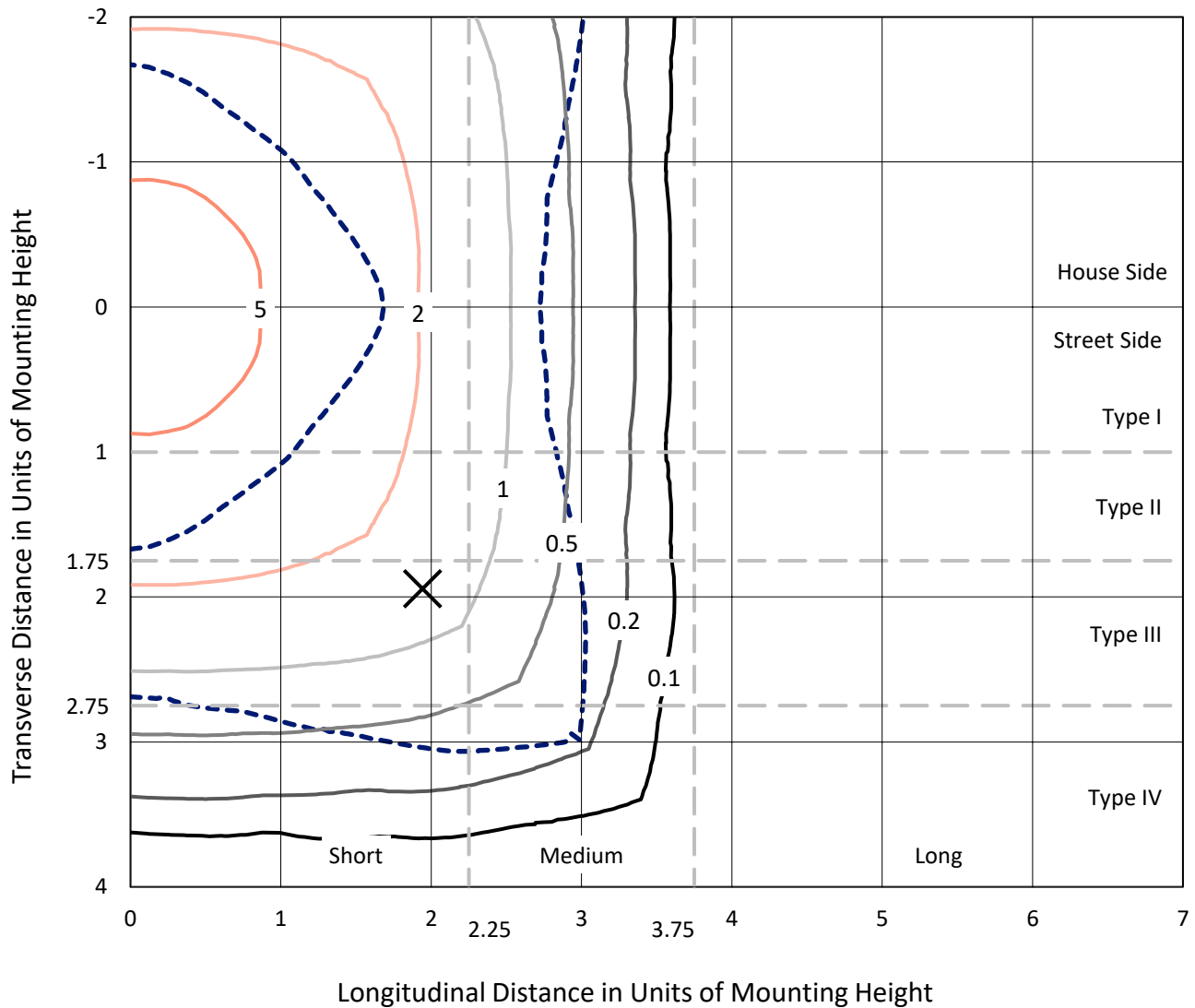


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

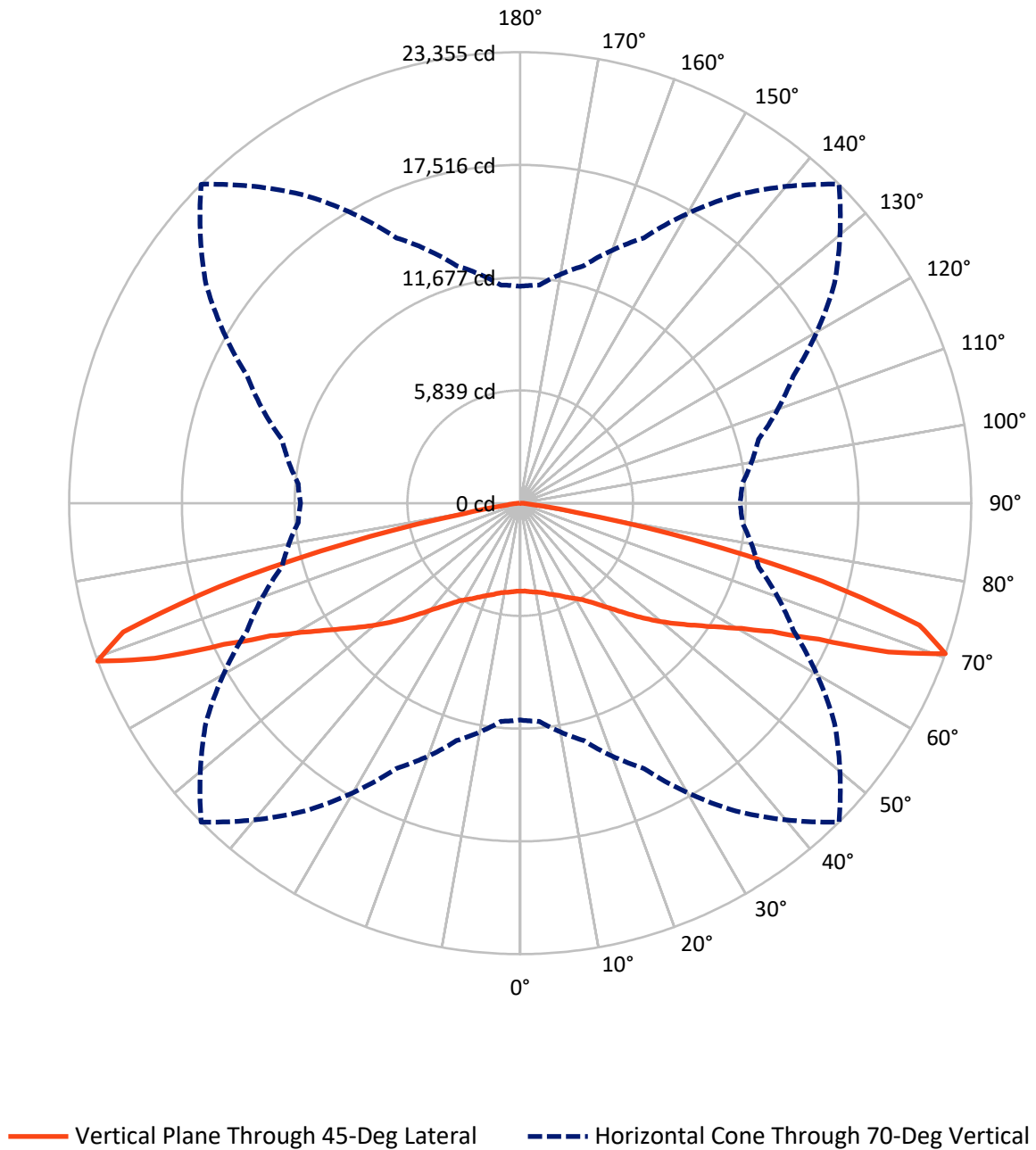


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23780.5	0.0	23780.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23780.5	0.0	23780.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47561.0	0.0	47561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.6	0.9
10°-20°	1372.5	2.9
20°-30°	2452.7	5.2
30°-40°	3975.9	8.4
40°-50°	6476.0	13.6
50°-60°	9873.7	20.8
60°-70°	14689.0	30.9
70°-80°	8006.0	16.8
80°-90°	272.6	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°	47561.0	100.0
0°-180°	47561.0	100.0

Coefficient of Utilization



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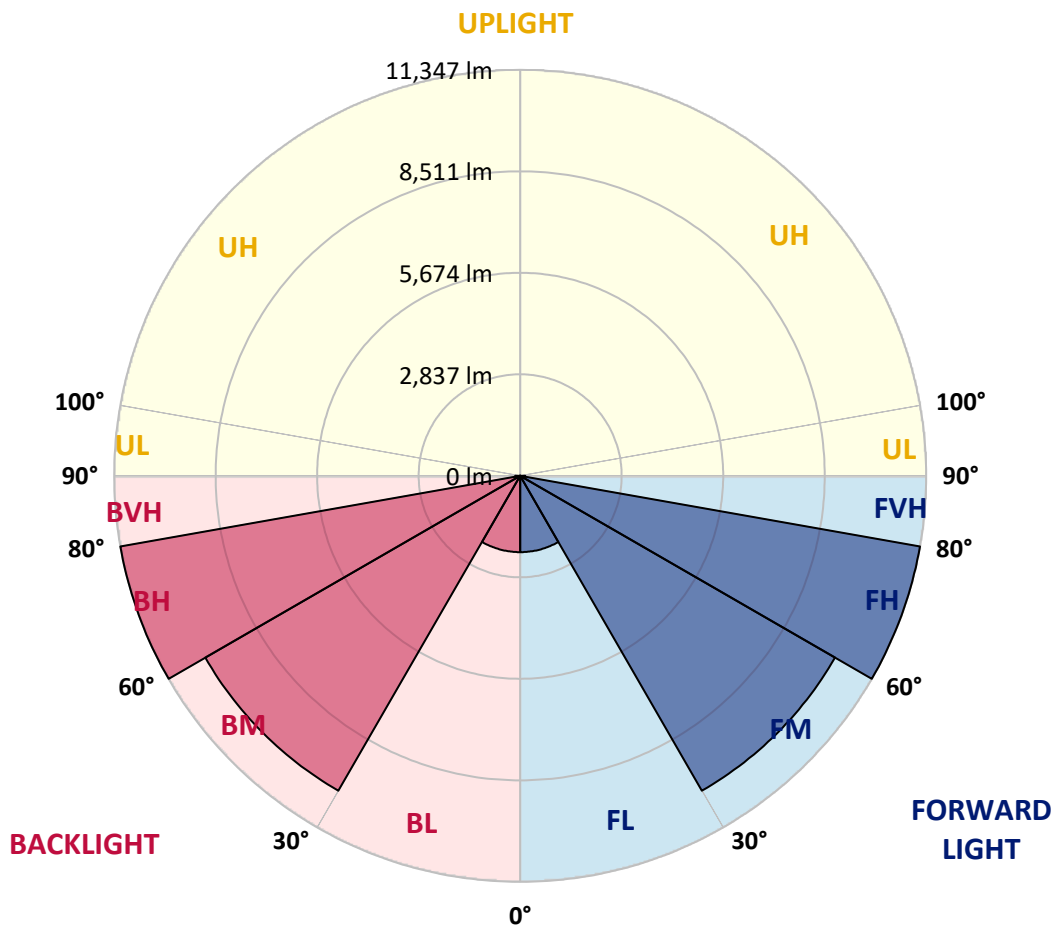
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2133.9	4.5			
FM	(30°-60°)	10162.8	21.4			
FH	(60°-80°)	11347.5	23.9			G4/12000
FVH	(80°-90°)	136.3	0.3			G2/225
BL	(0°-30°)	2133.9	4.5	B3/2500		
BM	(30°-60°)	10162.8	21.4	B5		
BH	(60°-80°)	11347.5	23.9	B5		G4/12000
BVH	(80°-90°)	136.3	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9	4555.9
2.5°	4577.3	4582.1	4572.6	4567.8	4563.0	4555.9	4558.2	4570.2	4579.7	4577.3	4579.7
5°	4615.5	4620.3	4613.2	4610.8	4601.2	4598.8	4598.8	4610.8	4617.9	4613.2	4615.5
7.5°	4658.5	4665.7	4653.7	4651.4	4646.6	4641.8	4639.4	4651.4	4658.5	4658.5	4658.5
10°	4699.1	4706.3	4696.7	4689.6	4684.8	4684.8	4680.0	4689.6	4701.5	4699.1	4699.1
12.5°	4742.1	4746.9	4737.3	4732.5	4732.5	4739.7	4732.5	4737.3	4746.9	4742.1	4739.7
15°	4794.6	4797.0	4794.6	4801.8	4813.7	4837.6	4816.1	4811.3	4816.1	4804.2	4804.2
17.5°	4866.3	4871.0	4880.6	4897.3	4914.0	4957.0	4918.8	4906.9	4906.9	4883.0	4883.0
20°	4954.6	4961.8	4976.1	5004.8	5026.2	5066.8	5028.6	5011.9	5004.8	4973.7	4973.7
22.5°	5047.7	5059.7	5081.2	5119.4	5157.6	5195.8	5157.6	5128.9	5107.4	5066.8	5064.4
25°	5155.2	5169.5	5202.9	5265.0	5317.5	5372.5	5327.1	5269.8	5226.8	5169.5	5167.1
27.5°	5308.0	5324.7	5365.3	5441.7	5508.6	5556.3	5513.3	5439.3	5379.6	5310.4	5308.0
30°	5522.9	5539.6	5587.4	5668.5	5713.9	5745.0	5716.3	5659.0	5587.4	5508.6	5508.6
32.5°	5799.9	5821.4	5873.9	5950.3	5959.9	5964.6	5955.1	5926.4	5873.9	5778.4	5780.8
35°	6150.9	6174.8	6234.4	6296.5	6287.0	6296.5	6282.2	6272.7	6234.4	6124.6	6124.6
37.5°	6580.7	6609.3	6671.4	6719.2	6695.3	6683.3	6685.7	6688.1	6666.6	6544.9	6544.9
40°	7079.7	7117.9	7163.3	7213.4	7172.8	7137.0	7160.9	7180.0	7160.9	7036.7	7036.7
42.5°	7593.1	7648.0	7695.8	7767.4	7734.0	7688.6	7722.0	7743.5	7702.9	7569.2	7578.8
45°	8163.8	8216.3	8278.4	8385.8	8361.9	8314.2	8361.9	8366.7	8297.5	8139.9	8156.6
47.5°	8753.5	8808.5	8901.6	9044.8	9035.3	8982.8	9044.8	9011.4	8923.1	8734.4	8722.5
50°	9312.3	9388.7	9531.9	9732.5	9751.6	9687.2	9770.7	9706.3	9558.2	9321.8	9317.1
52.5°	9837.6	9918.8	10145.6	10417.8	10487.1	10403.5	10515.7	10403.5	10181.4	9878.2	9849.5
55°	10389.2	10479.9	10749.7	11105.5	11244.0	11181.9	11287.0	11117.4	10802.2	10434.5	10384.4
57.5°	11038.6	11093.5	11415.9	11838.5	12072.5	12086.9	12134.6	11848.1	11466.0	11048.2	10990.9
60°	11743.0	11819.4	12170.4	12676.6	13046.7	13166.1	13116.0	12691.0	12246.8	11766.9	11690.5
62.5°	12645.6	12729.2	13149.4	13755.9	14340.9	14637.0	14441.2	13825.1	13276.0	12700.5	12600.2
65°	13393.0	13486.1	14245.4	15327.0	16392.0	16986.5	16494.7	15360.5	14371.9	13560.1	13426.4
67.5°	12850.9	12965.6	14157.0	16143.7	18791.7	20565.8	18882.4	16387.2	14450.7	13350.0	13185.2
70°	11232.0	11339.5	12729.2	15157.5	19467.4	23354.7	19873.4	15604.0	12774.5	11542.4	11377.7
72.5°	7457.0	7803.2	9209.6	12122.7	17382.9	21611.6	17554.8	11876.7	8543.4	7440.3	7199.1
75°	2473.7	2750.7	3710.6	6284.6	11642.7	16162.8	11084.0	5561.1	2939.3	2115.6	2000.9
77.5°	623.2	718.7	990.9	1798.0	4644.2	9202.4	4181.0	1468.5	799.9	558.7	499.0
80°	303.2	334.3	477.6	599.3	1162.8	2925.0	1091.2	563.5	377.3	291.3	267.4
82.5°	167.1	169.5	269.8	339.1	432.2	756.9	448.9	329.5	217.3	176.7	176.7
85°	102.7	100.3	143.3	181.5	181.5	269.8	214.9	181.5	124.2	109.8	114.6
87.5°	40.6	40.6	52.5	57.3	50.1	69.2	54.9	59.7	47.8	45.4	47.8
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)