

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: P952685

Luminaire Tested: **GALN-SB6C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39313 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

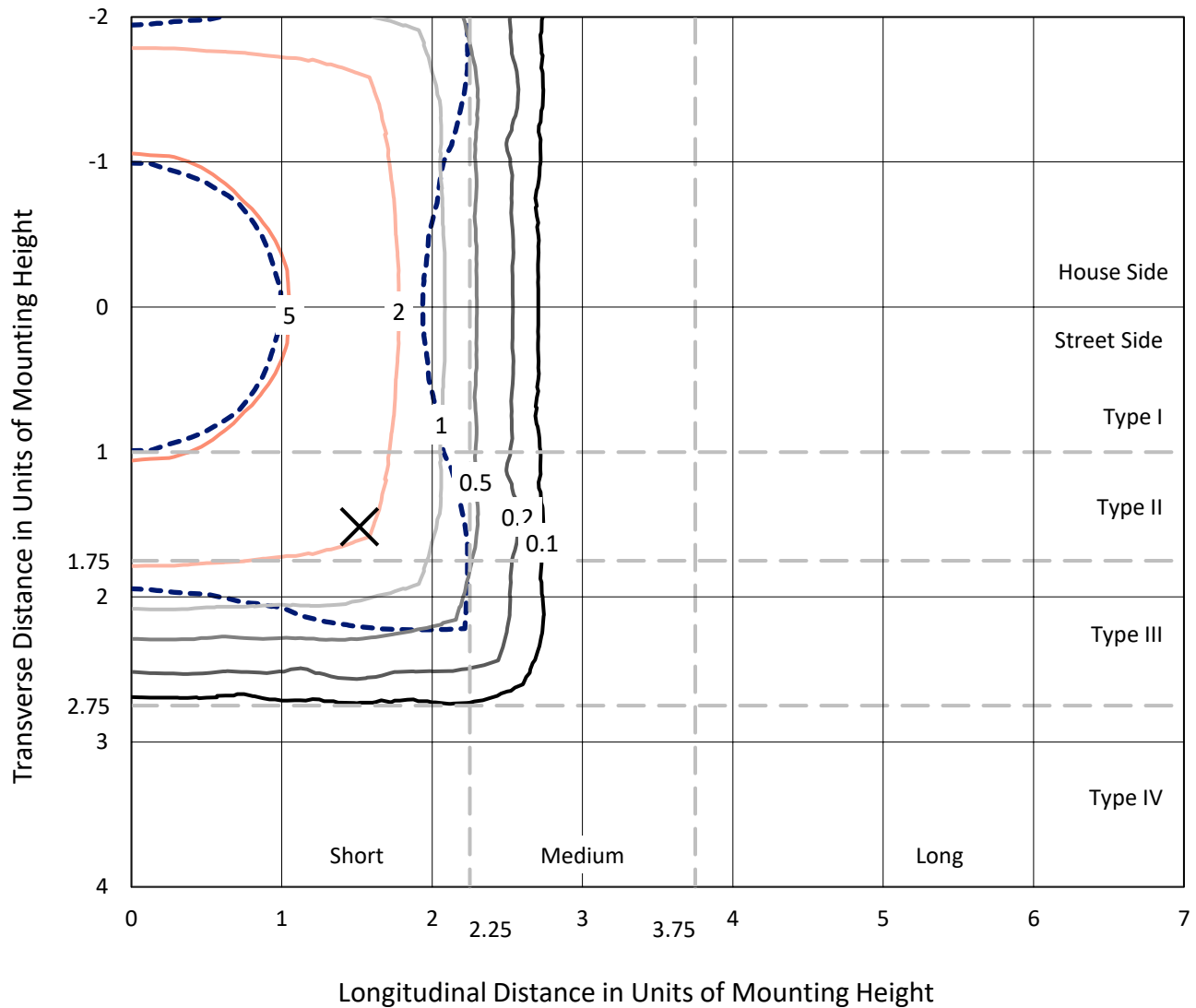


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

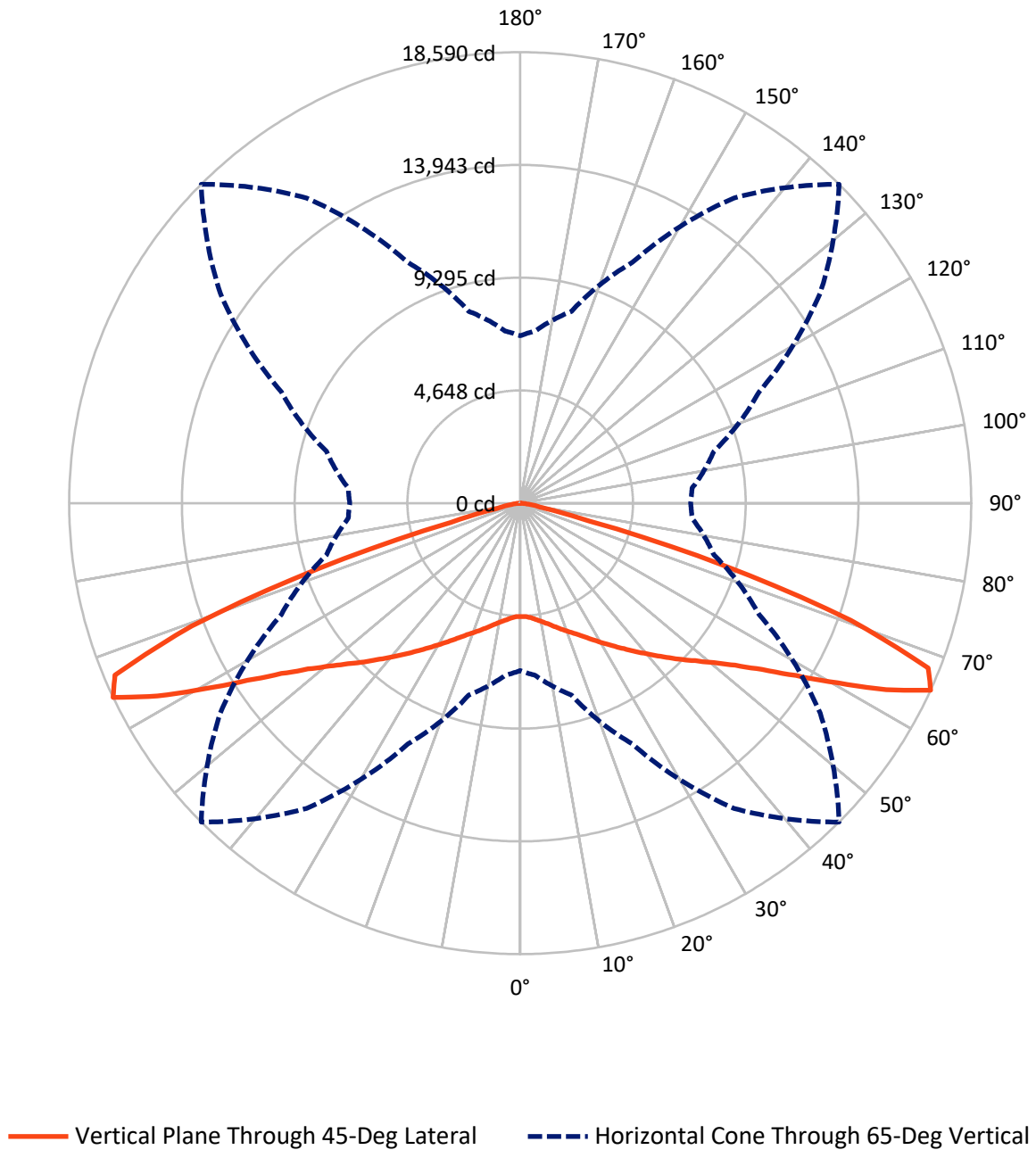


Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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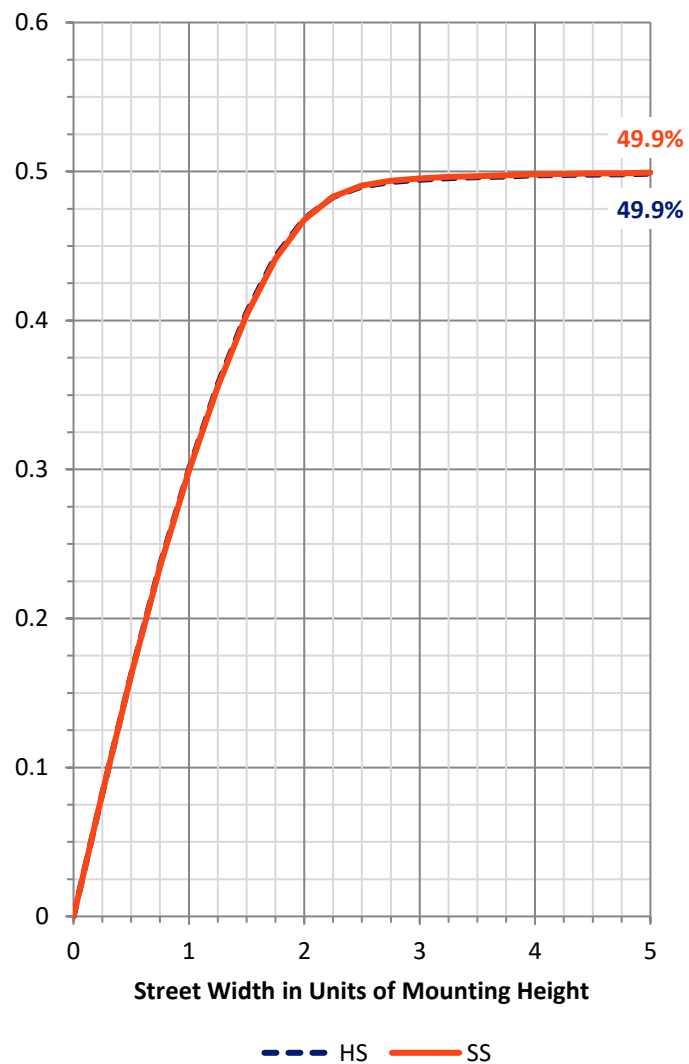
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19656.5	0.0	19656.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19656.5	0.0	19656.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39313.0	0.0	39313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.7	1.2
10°-20°	1506.7	3.8
20°-30°	2844.8	7.2
30°-40°	4658.2	11.8
40°-50°	7222.6	18.4
50°-60°	10669.4	27.1
60°-70°	10156.2	25.8
70°-80°	1638.8	4.2
80°-90°	154.5	0.4
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°	39313.0	100.0
0°-180°	39313.0	100.0

Coefficient of Utilization



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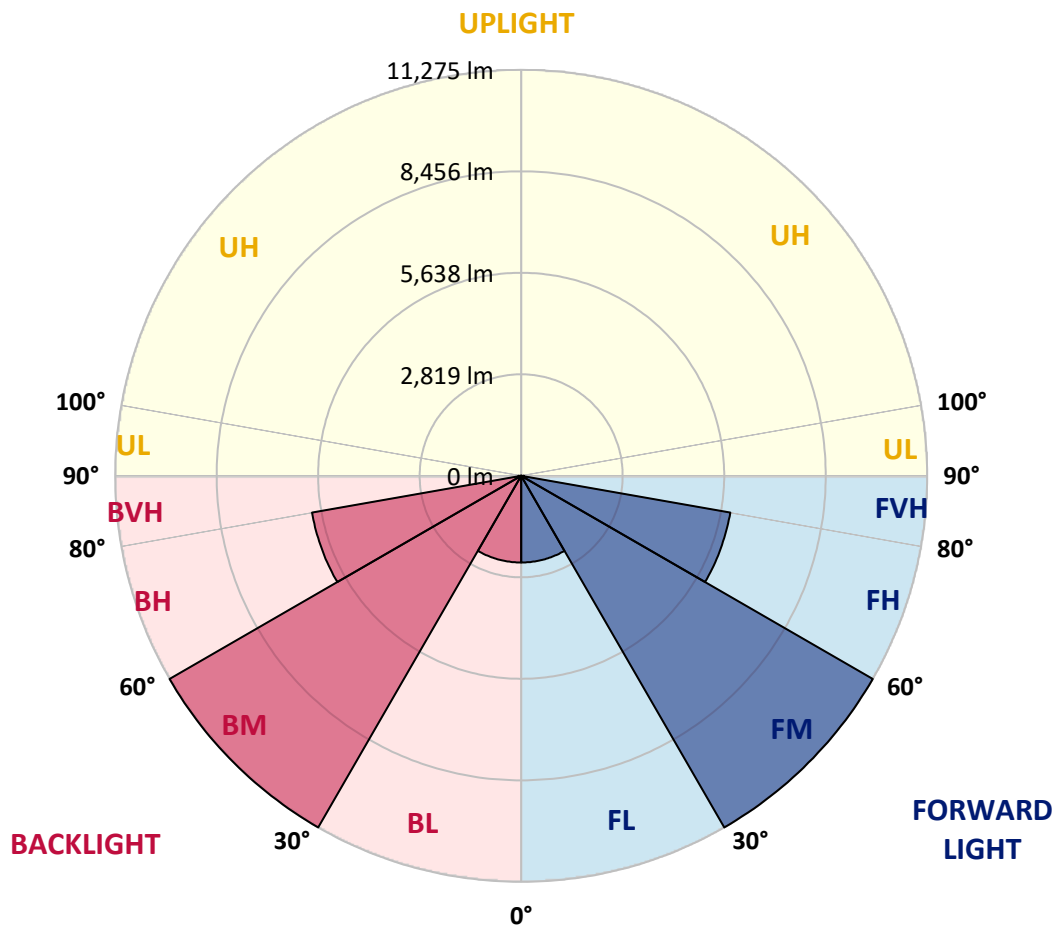
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2406.6	6.1			
FM	(30°-60°)	11275.1	28.7			
FH	(60°-80°)	5897.5	15.0			G3/7500
FVH	(80°-90°)	77.2	0.2			G1/100
BL	(0°-30°)	2406.6	6.1	B3/2500		
BM	(30°-60°)	11275.1	28.7	B5		
BH	(60°-80°)	5897.5	15.0	B5		G3/7500
BVH	(80°-90°)	77.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6	4678.6
2.5°	4710.2	4694.4	4706.3	4696.4	4688.5	4680.6	4684.6	4698.4	4704.3	4706.3	4706.3
5°	4773.3	4759.5	4765.4	4765.4	4751.6	4747.7	4749.6	4759.5	4771.3	4771.3	4771.3
7.5°	4875.9	4862.1	4875.9	4868.0	4856.2	4852.2	4850.2	4858.1	4875.9	4875.9	4870.0
10°	5000.1	4984.4	4992.3	4988.3	4974.5	4968.6	4966.6	4978.5	4994.2	4992.3	4988.3
12.5°	5136.2	5118.5	5128.4	5116.5	5112.6	5106.7	5106.7	5104.7	5114.6	5106.7	5110.6
15°	5288.1	5276.3	5280.2	5272.3	5278.3	5274.3	5258.5	5250.6	5254.6	5242.8	5244.7
17.5°	5467.6	5440.0	5453.8	5449.9	5449.9	5457.8	5432.1	5422.3	5430.1	5418.3	5428.2
20°	5674.7	5647.1	5653.0	5645.1	5635.3	5643.2	5611.6	5619.5	5625.4	5617.5	5635.3
22.5°	5901.6	5866.1	5864.1	5868.0	5846.3	5848.3	5826.6	5846.3	5858.2	5836.5	5858.2
25°	6134.3	6096.8	6122.5	6112.6	6085.0	6090.9	6075.1	6094.9	6104.7	6077.1	6108.7
27.5°	6380.9	6355.2	6378.9	6384.8	6351.3	6374.9	6351.3	6369.0	6378.9	6337.5	6369.0
30°	6668.8	6643.2	6664.9	6680.7	6641.2	6678.7	6659.0	6670.8	6672.8	6623.5	6653.1
32.5°	6982.5	6943.0	6998.2	7006.1	6962.7	7008.1	6982.5	6998.2	7008.1	6941.0	6986.4
35°	7365.1	7315.8	7378.9	7369.1	7331.6	7369.1	7345.4	7369.1	7392.7	7311.9	7361.2
37.5°	7777.4	7726.1	7793.1	7775.4	7739.9	7765.5	7751.7	7767.5	7805.0	7718.2	7771.4
40°	8231.0	8167.9	8258.6	8227.1	8193.5	8189.6	8197.5	8207.3	8256.7	8160.0	8191.6
42.5°	8716.2	8649.2	8785.3	8736.0	8688.6	8657.1	8682.7	8702.4	8749.8	8641.3	8698.5
45°	9270.5	9193.6	9371.1	9311.9	9237.0	9171.9	9213.3	9242.9	9311.9	9181.7	9248.8
47.5°	9882.0	9795.2	9984.5	9966.8	9844.5	9702.5	9797.1	9882.0	9933.2	9775.4	9828.7
50°	10479.6	10412.5	10661.1	10682.8	10532.9	10333.6	10465.8	10594.0	10607.8	10400.7	10426.3
52.5°	11039.8	10972.7	11333.7	11469.8	11335.6	11098.9	11239.0	11369.2	11264.6	10996.4	11004.3
55°	11487.5	11432.3	11891.9	12243.0	12288.3	12093.1	12175.9	12172.0	11828.8	11416.5	11430.3
57.5°	11596.0	11588.1	12168.0	12911.6	13385.0	13408.7	13245.0	12826.8	12087.1	11532.9	11497.4
60°	11102.9	11152.2	11949.1	13260.7	14523.1	15047.8	14339.7	13146.3	11793.3	11024.0	10933.3
62.5°	9627.5	9757.7	10718.3	12834.7	15442.3	16933.4	15217.4	12661.1	10586.1	9582.1	9523.0
65°	6899.6	7126.4	8187.6	10953.0	15359.4	18590.3	15091.2	10864.2	8266.5	7108.7	7023.9
67.5°	3130.3	3361.0	4262.5	7499.2	13351.5	18140.6	13319.9	7578.1	4475.5	3372.9	3323.6
70°	1134.2	1173.6	1463.6	3002.1	8532.8	14454.1	8897.7	3023.8	1556.3	1250.5	1234.8
72.5°	686.4	692.3	753.5	1075.0	2964.6	8775.4	3090.8	1110.5	769.3	682.5	694.3
75°	435.9	432.0	536.5	656.8	1051.3	2960.6	1102.6	656.8	534.5	487.2	491.1
77.5°	313.6	323.5	384.6	491.1	662.7	1004.0	650.9	469.4	384.6	315.6	321.5
80°	234.7	240.6	280.1	382.7	465.5	625.3	414.2	347.2	289.9	197.2	203.2
82.5°	169.6	169.6	183.4	278.1	284.0	337.3	224.9	244.6	191.3	140.0	140.0
85°	100.6	98.6	114.4	165.7	147.9	124.3	102.6	149.9	120.3	86.8	84.8
87.5°	35.5	37.5	35.5	47.3	39.4	33.5	31.6	41.4	33.5	29.6	27.6
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)