

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: P954112

Luminaire Tested: **GALN-SB7C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954112
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-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46077 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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



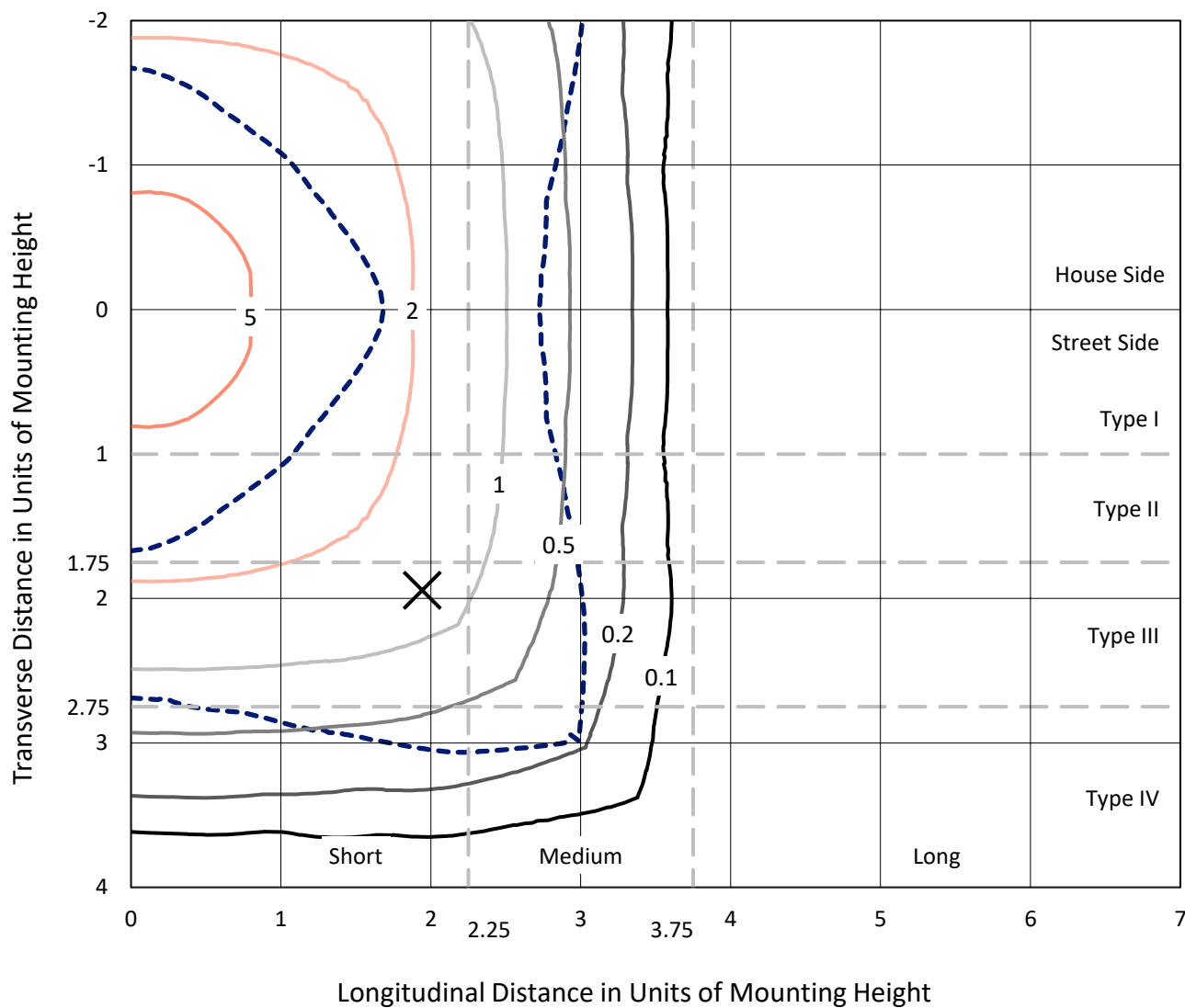
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



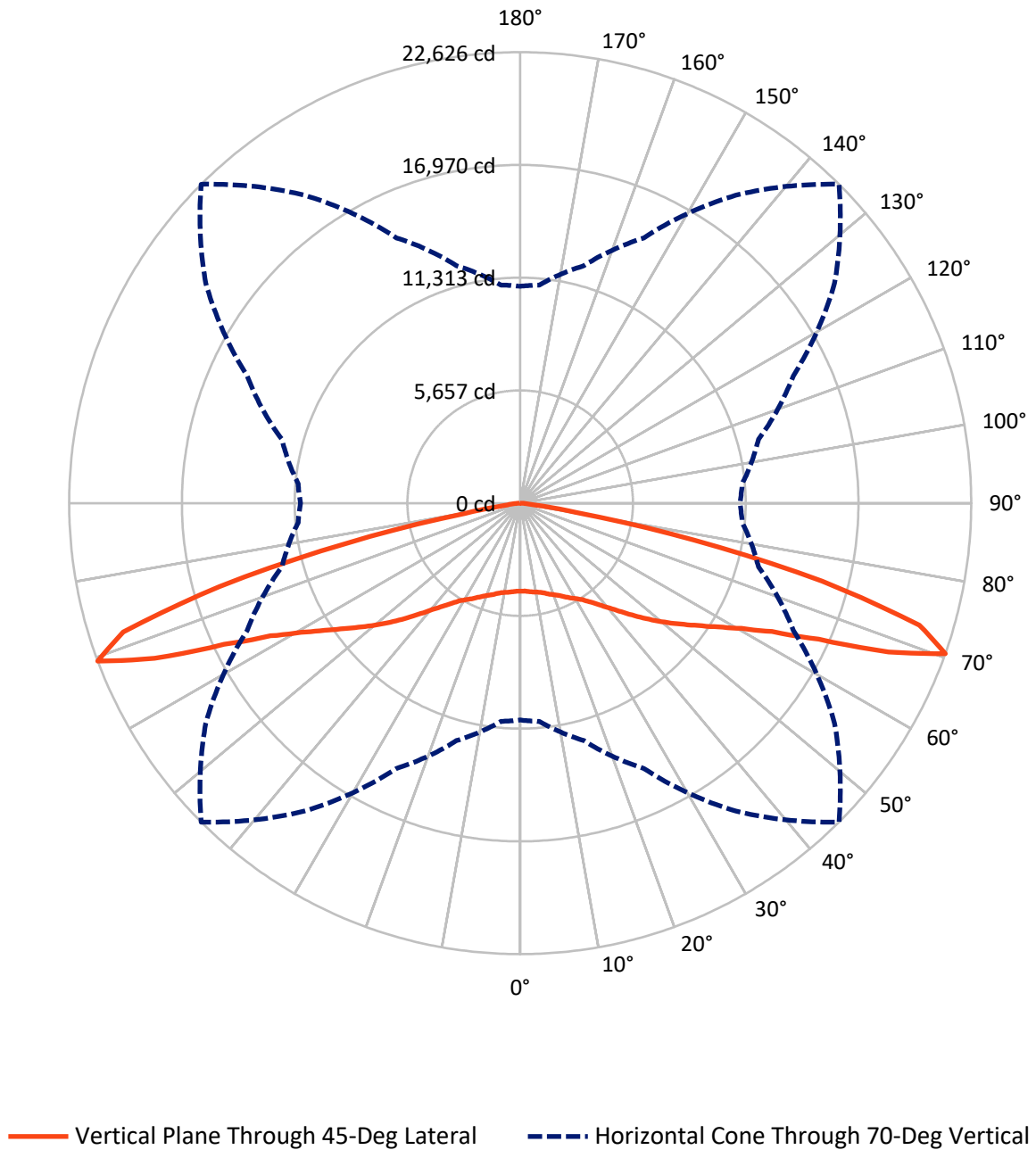
Based on 25 foot mounting height. Maximum calculated value = 7.1 fc

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	23038.5	0.0	23038.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23038.5	0.0	23038.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46077.0	0.0	46077.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.8	0.9
10°-20°	1329.6	2.9
20°-30°	2376.2	5.2
30°-40°	3851.8	8.4
40°-50°	6274.0	13.6
50°-60°	9565.7	20.8
60°-70°	14230.7	30.9
70°-80°	7756.2	16.8
80°-90°	264.1	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°	46077.0	100.0
0°-180°	46077.0	100.0

Coefficient of Utilization



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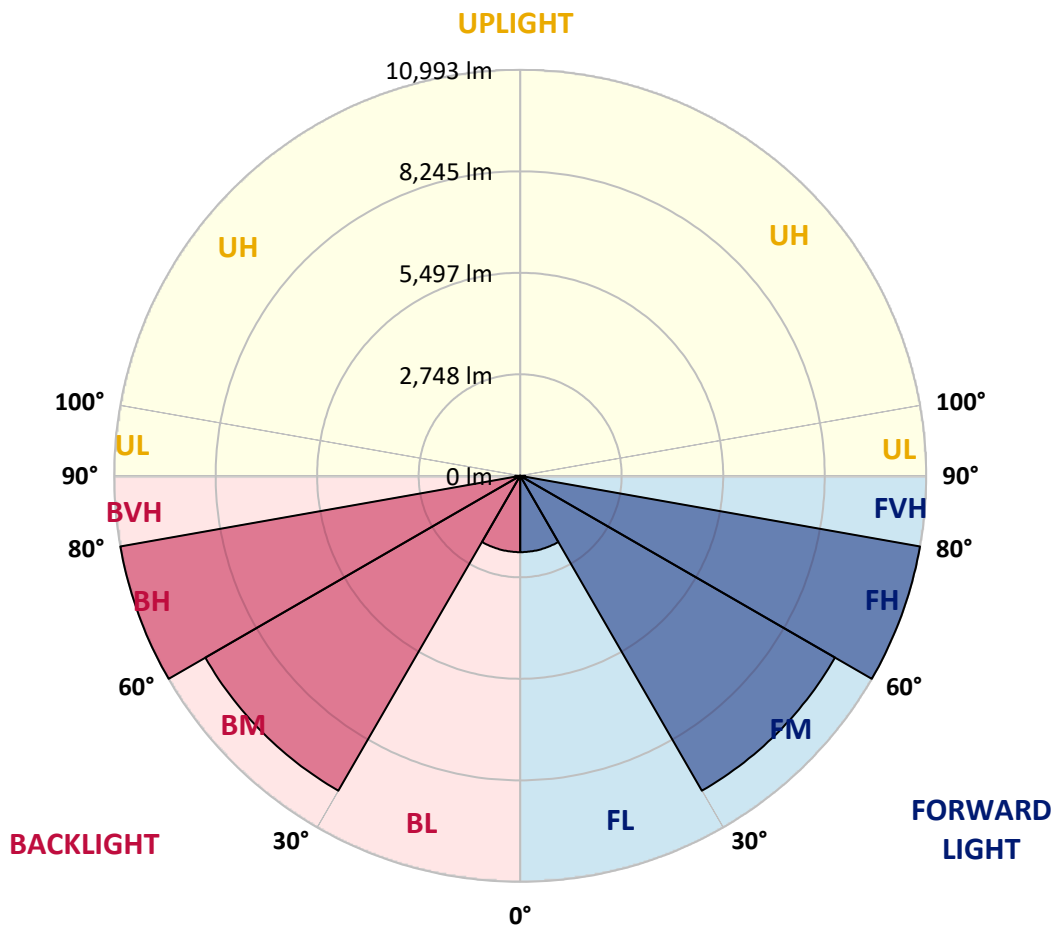
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2067.3	4.5			
FM	(30°-60°)	9845.7	21.4			
FH	(60°-80°)	10993.4	23.9			G4/12000
FVH	(80°-90°)	132.1	0.3			G2/225
BL	(0°-30°)	2067.3	4.5	B3/2500		
BM	(30°-60°)	9845.7	21.4	B5		
BH	(60°-80°)	10993.4	23.9	B5		G4/12000
BVH	(80°-90°)	132.1	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°	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7	4413.7
2.5°	4434.5	4439.1	4429.9	4425.3	4420.6	4413.7	4416.0	4427.6	4436.8	4434.5	4436.8
5°	4471.5	4476.2	4469.2	4466.9	4457.7	4455.3	4455.3	4466.9	4473.8	4469.2	4471.5
7.5°	4513.2	4520.1	4508.5	4506.2	4501.6	4497.0	4494.7	4506.2	4513.2	4513.2	4513.2
10°	4552.5	4559.4	4550.2	4543.2	4538.6	4538.6	4534.0	4543.2	4554.8	4552.5	4552.5
12.5°	4594.1	4598.8	4589.5	4584.9	4584.9	4591.8	4584.9	4589.5	4598.8	4594.1	4591.8
15°	4645.0	4647.3	4645.0	4652.0	4663.5	4686.7	4665.8	4661.2	4665.8	4654.3	4654.3
17.5°	4714.4	4719.1	4728.3	4744.5	4760.7	4802.3	4765.3	4753.7	4753.7	4730.6	4730.6
20°	4800.0	4807.0	4820.8	4848.6	4869.4	4908.7	4871.7	4855.5	4848.6	4818.5	4818.5
22.5°	4890.2	4901.8	4922.6	4959.6	4996.6	5033.7	4996.6	4968.9	4948.1	4908.7	4906.4
25°	4994.3	5008.2	5040.6	5100.7	5151.6	5204.8	5160.9	5105.4	5063.7	5008.2	5005.9
27.5°	5142.4	5158.6	5197.9	5271.9	5336.7	5383.0	5341.3	5269.6	5211.8	5144.7	5142.4
30°	5350.6	5366.8	5413.0	5491.7	5535.6	5565.7	5537.9	5482.4	5413.0	5336.7	5336.7
32.5°	5618.9	5639.7	5690.6	5764.6	5773.9	5778.5	5769.3	5741.5	5690.6	5598.1	5600.4
35°	5959.0	5982.1	6039.9	6100.1	6090.8	6100.1	6086.2	6076.9	6039.9	5933.5	5933.5
37.5°	6375.3	6403.1	6463.2	6509.5	6486.4	6474.8	6477.1	6479.4	6458.6	6340.6	6340.6
40°	6858.8	6895.8	6939.8	6988.4	6949.0	6914.3	6937.5	6956.0	6937.5	6817.2	6817.2
42.5°	7356.2	7409.4	7455.6	7525.0	7492.6	7448.7	7481.1	7501.9	7462.6	7333.0	7342.3
45°	7909.0	7959.9	8020.1	8124.2	8101.0	8054.8	8101.0	8105.7	8038.6	7885.9	7902.1
47.5°	8480.4	8533.6	8623.8	8762.6	8753.4	8702.5	8762.6	8730.2	8644.7	8461.9	8450.3
50°	9021.7	9095.7	9234.5	9428.8	9447.4	9384.9	9465.9	9403.4	9260.0	9031.0	9026.3
52.5°	9530.6	9609.3	9829.0	10092.8	10159.8	10078.9	10187.6	10078.9	9863.7	9570.0	9542.2
55°	10065.0	10152.9	10414.3	10759.0	10893.1	10833.0	10934.8	10770.5	10465.2	10108.9	10060.4
57.5°	10694.2	10747.4	11059.7	11469.1	11695.8	11709.7	11756.0	11478.4	11108.3	10703.5	10647.9
60°	11376.6	11450.6	11790.7	12281.1	12639.7	12755.3	12706.7	12295.0	11864.7	11399.7	11325.7
62.5°	12251.0	12332.0	12739.1	13326.7	13893.4	14180.3	13990.6	13393.8	12861.7	12304.2	12207.1
65°	12975.1	13065.3	13800.9	14848.8	15880.5	16456.5	15980.0	14881.2	13923.5	13137.0	13007.5
67.5°	12450.0	12561.0	13715.3	15639.9	18205.4	19924.1	18293.3	15875.9	13999.8	12933.4	12773.8
70°	10881.6	10985.7	12332.0	14684.6	18860.0	22626.0	19253.3	15117.2	12375.9	11182.3	11022.7
72.5°	7224.3	7559.7	8922.2	11744.4	16840.5	20937.3	17007.1	11506.2	8276.8	7208.1	6974.5
75°	2396.5	2664.9	3594.8	6088.5	11279.5	15658.5	10738.2	5387.6	2847.6	2049.5	1938.5
77.5°	603.8	696.3	960.0	1741.9	4499.3	8915.3	4050.5	1422.7	774.9	541.3	483.5
80°	293.8	323.9	462.7	580.6	1126.6	2833.7	1057.2	545.9	365.5	282.2	259.1
82.5°	161.9	164.2	261.4	328.5	418.7	733.3	434.9	319.2	210.5	171.2	171.2
85°	99.5	97.2	138.8	175.8	175.8	261.4	208.2	175.8	120.3	106.4	111.0
87.5°	39.3	39.3	50.9	55.5	48.6	67.1	53.2	57.8	46.3	44.0	46.3
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)