

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: P951257

Luminaire Tested: **GALN-SB5C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951257
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-SB5C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 32748 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 249.5
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

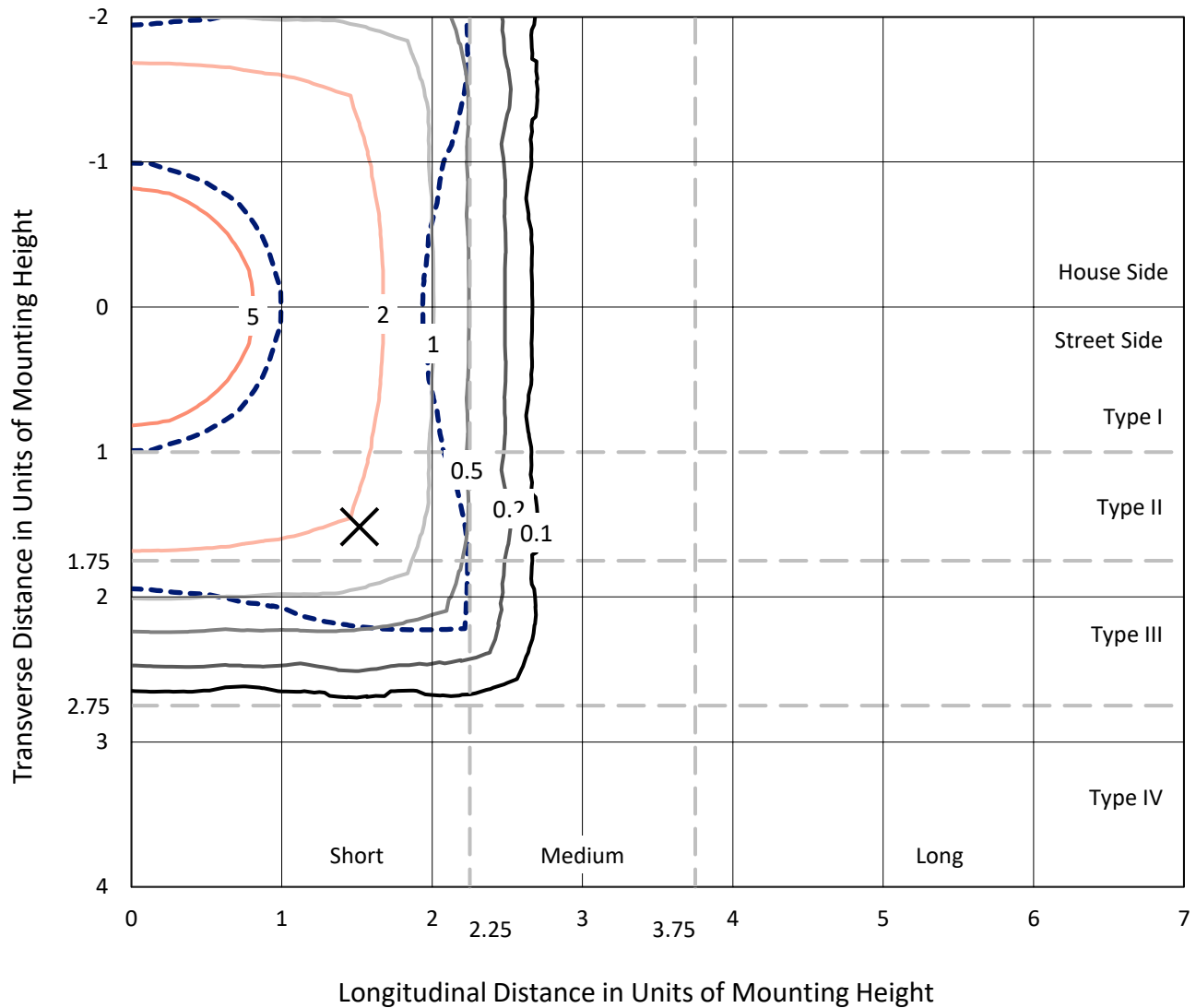


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

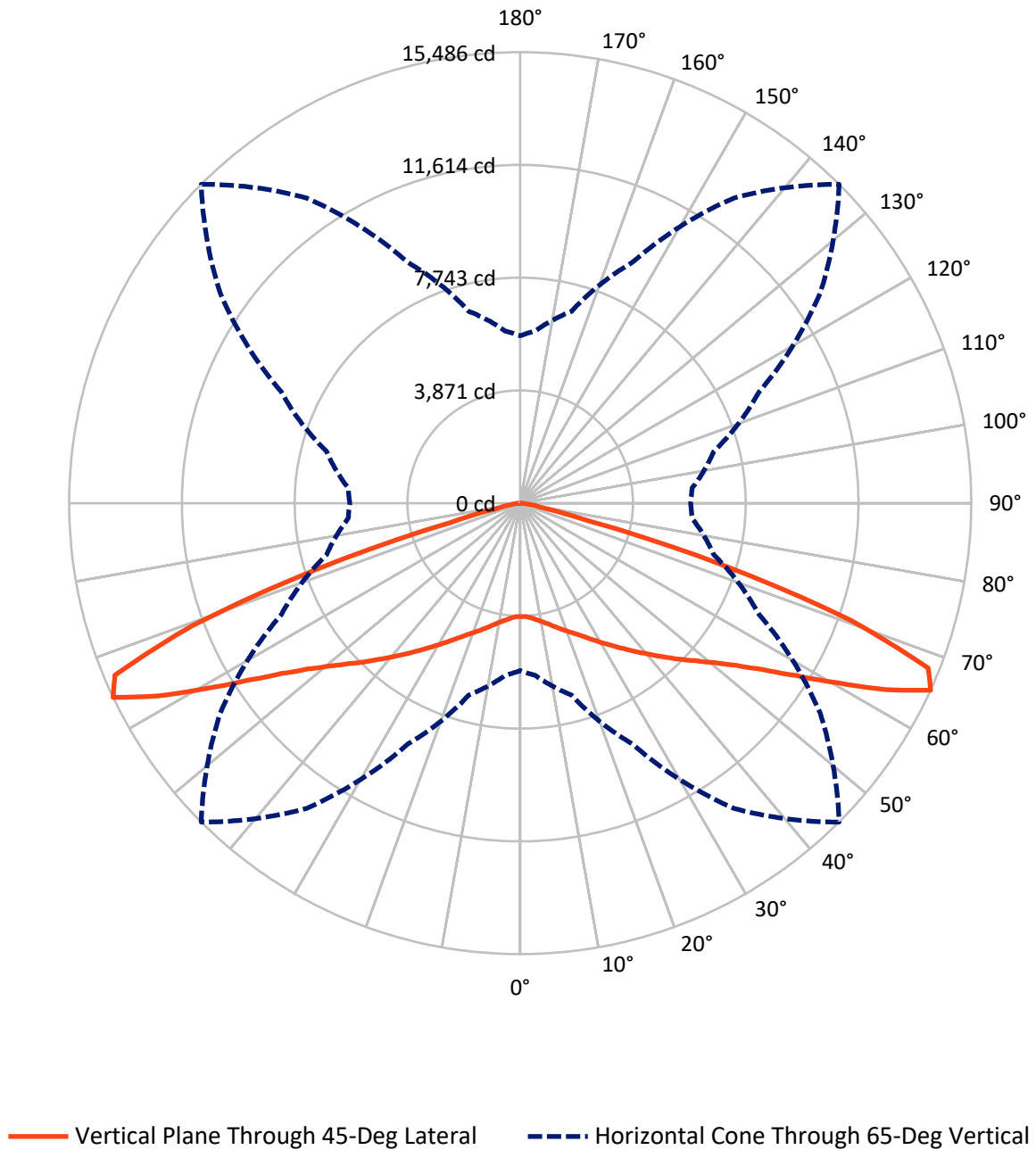


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16374.0	0.0	16374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16374.0	0.0	16374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32748.0	0.0	32748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.6	1.2
10°-20°	1255.1	3.8
20°-30°	2369.7	7.2
30°-40°	3880.3	11.8
40°-50°	6016.5	18.4
50°-60°	8887.6	27.1
60°-70°	8460.2	25.8
70°-80°	1365.2	4.2
80°-90°	128.7	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°	32748.0	100.0
0°-180°	32748.0	100.0

Coefficient of Utilization



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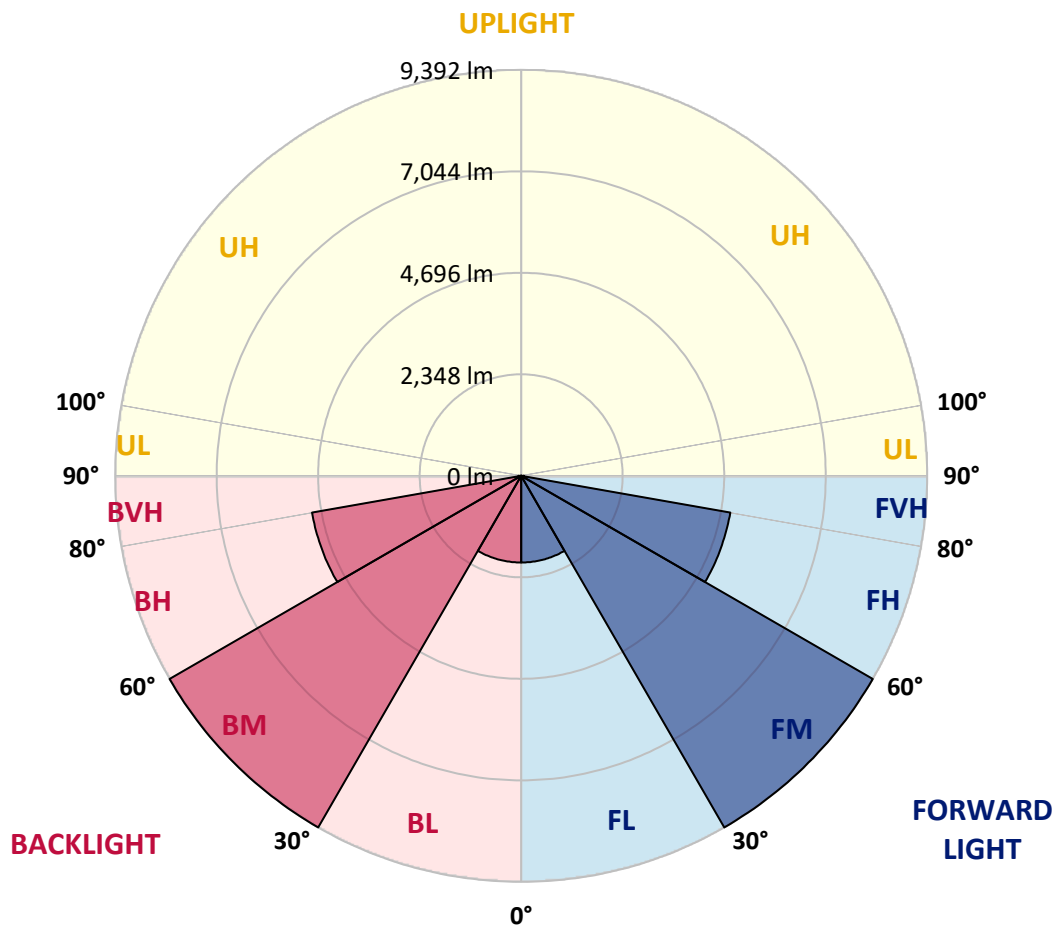
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2004.7	6.1			
FM	(30°-60°)	9392.3	28.7			
FH	(60°-80°)	4912.7	15.0			G2/5000
FVH	(80°-90°)	64.3	0.2			G1/100
BL	(0°-30°)	2004.7	6.1	B3/2500		
BM	(30°-60°)	9392.3	28.7	B5		
BH	(60°-80°)	4912.7	15.0	B4/5000		G2/5000
BVH	(80°-90°)	64.3	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3	3897.3
2.5°	3923.6	3910.5	3920.3	3912.1	3905.6	3899.0	3902.3	3913.8	3918.7	3920.3	3920.3
5°	3976.2	3964.7	3969.6	3969.6	3958.1	3954.8	3956.5	3964.7	3974.6	3974.6	3974.6
7.5°	4061.6	4050.1	4061.6	4055.1	4045.2	4041.9	4040.3	4046.9	4061.6	4061.6	4056.7
10°	4165.2	4152.0	4158.6	4155.3	4143.8	4138.9	4137.2	4147.1	4160.2	4158.6	4155.3
12.5°	4278.5	4263.7	4272.0	4262.1	4258.8	4253.9	4253.9	4252.2	4260.5	4253.9	4257.2
15°	4405.0	4395.2	4398.5	4391.9	4396.8	4393.5	4380.4	4373.8	4377.1	4367.3	4368.9
17.5°	4554.6	4531.6	4543.1	4539.8	4539.8	4546.3	4525.0	4516.8	4523.3	4513.5	4521.7
20°	4727.1	4704.1	4709.0	4702.4	4694.2	4700.8	4674.5	4681.1	4686.0	4679.4	4694.2
22.5°	4916.0	4886.5	4884.8	4888.1	4870.0	4871.7	4853.6	4870.0	4879.9	4861.8	4879.9
25°	5109.9	5078.7	5100.1	5091.8	5068.8	5073.8	5060.6	5077.1	5085.3	5062.3	5088.6
27.5°	5315.3	5293.9	5313.7	5318.6	5290.7	5310.4	5290.7	5305.4	5313.7	5279.2	5305.4
30°	5555.2	5533.8	5551.9	5565.0	5532.2	5563.4	5547.0	5556.8	5558.5	5517.4	5542.0
32.5°	5816.4	5783.6	5829.6	5836.2	5800.0	5837.8	5816.4	5829.6	5837.8	5781.9	5819.7
35°	6135.2	6094.1	6146.7	6138.5	6107.3	6138.5	6118.8	6138.5	6158.2	6090.8	6131.9
37.5°	6478.6	6435.9	6491.7	6476.9	6447.4	6468.7	6457.2	6470.4	6501.6	6429.3	6473.7
40°	6856.5	6803.9	6879.5	6853.2	6825.3	6822.0	6828.6	6836.8	6877.9	6797.3	6823.6
42.5°	7260.7	7204.8	7318.2	7277.1	7237.7	7211.4	7232.8	7249.2	7288.6	7198.2	7245.9
45°	7722.4	7658.3	7806.2	7756.9	7694.5	7640.2	7674.7	7699.4	7756.9	7648.4	7704.3
47.5°	8231.7	8159.4	8317.2	8302.4	8200.5	8082.2	8161.1	8231.7	8274.5	8143.0	8187.4
50°	8729.6	8673.7	8880.7	8898.8	8773.9	8608.0	8718.1	8824.9	8836.4	8663.9	8685.2
52.5°	9196.2	9140.3	9441.0	9554.4	9442.7	9245.5	9362.2	9470.6	9383.5	9160.1	9166.6
55°	9569.2	9523.2	9906.0	10198.5	10236.3	10073.6	10142.6	10139.3	9853.4	9510.0	9521.5
57.5°	9659.6	9653.0	10136.0	10755.5	11149.8	11169.5	11033.2	10684.8	10068.7	9607.0	9577.4
60°	9248.8	9289.9	9953.7	11046.3	12097.9	12534.9	11945.0	10951.0	9823.9	9183.1	9107.5
62.5°	8019.8	8128.2	8928.4	10691.4	12863.5	14105.7	12676.2	10546.8	8818.3	7982.0	7932.7
65°	5747.4	5936.4	6820.3	9123.9	12794.5	15485.8	12571.1	9050.0	6886.1	5921.6	5850.9
67.5°	2607.5	2799.8	3550.7	6246.9	11121.9	15111.2	11095.6	6312.6	3728.1	2809.6	2768.6
70°	944.8	977.6	1219.2	2500.7	7107.9	12040.3	7411.8	2518.8	1296.4	1041.7	1028.6
72.5°	571.8	576.7	627.6	895.5	2469.5	7310.0	2574.7	925.0	640.8	568.5	578.4
75°	363.1	359.8	446.9	547.1	875.8	2466.2	918.5	547.1	445.3	405.8	409.1
77.5°	261.2	269.5	320.4	409.1	552.1	836.3	542.2	391.0	320.4	262.9	267.8
80°	195.5	200.5	233.3	318.8	387.8	520.9	345.0	289.2	241.5	164.3	169.2
82.5°	141.3	141.3	152.8	231.7	236.6	281.0	187.3	203.7	159.4	116.7	116.7
85°	83.8	82.2	95.3	138.0	123.2	103.5	85.4	124.9	100.2	72.3	70.7
87.5°	29.6	31.2	29.6	39.4	32.9	27.9	26.3	34.5	27.9	24.6	23.0
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)