

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: P949115

Luminaire Tested: **GALN-SB4A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949115
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-SB4A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

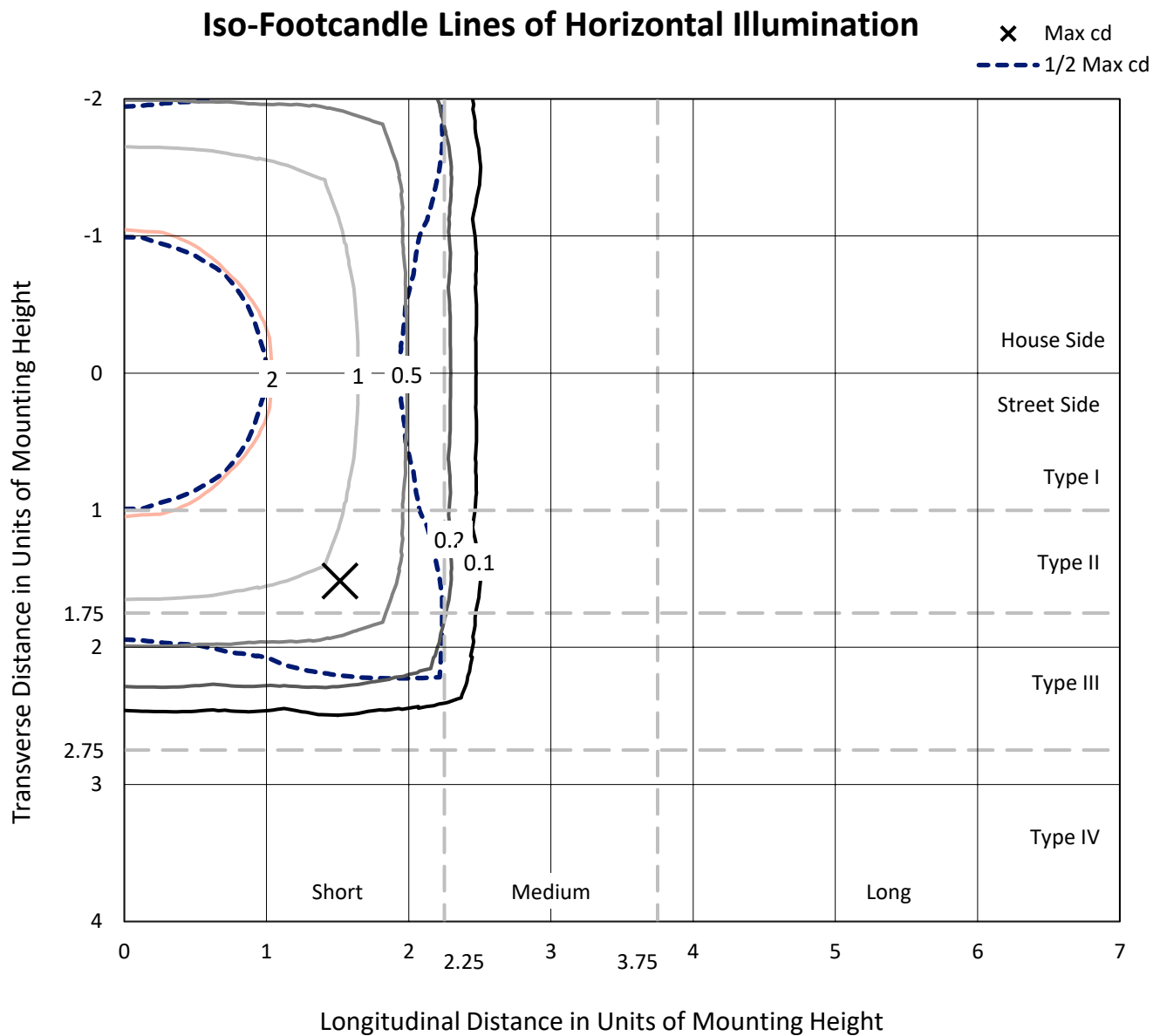
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15563 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 114
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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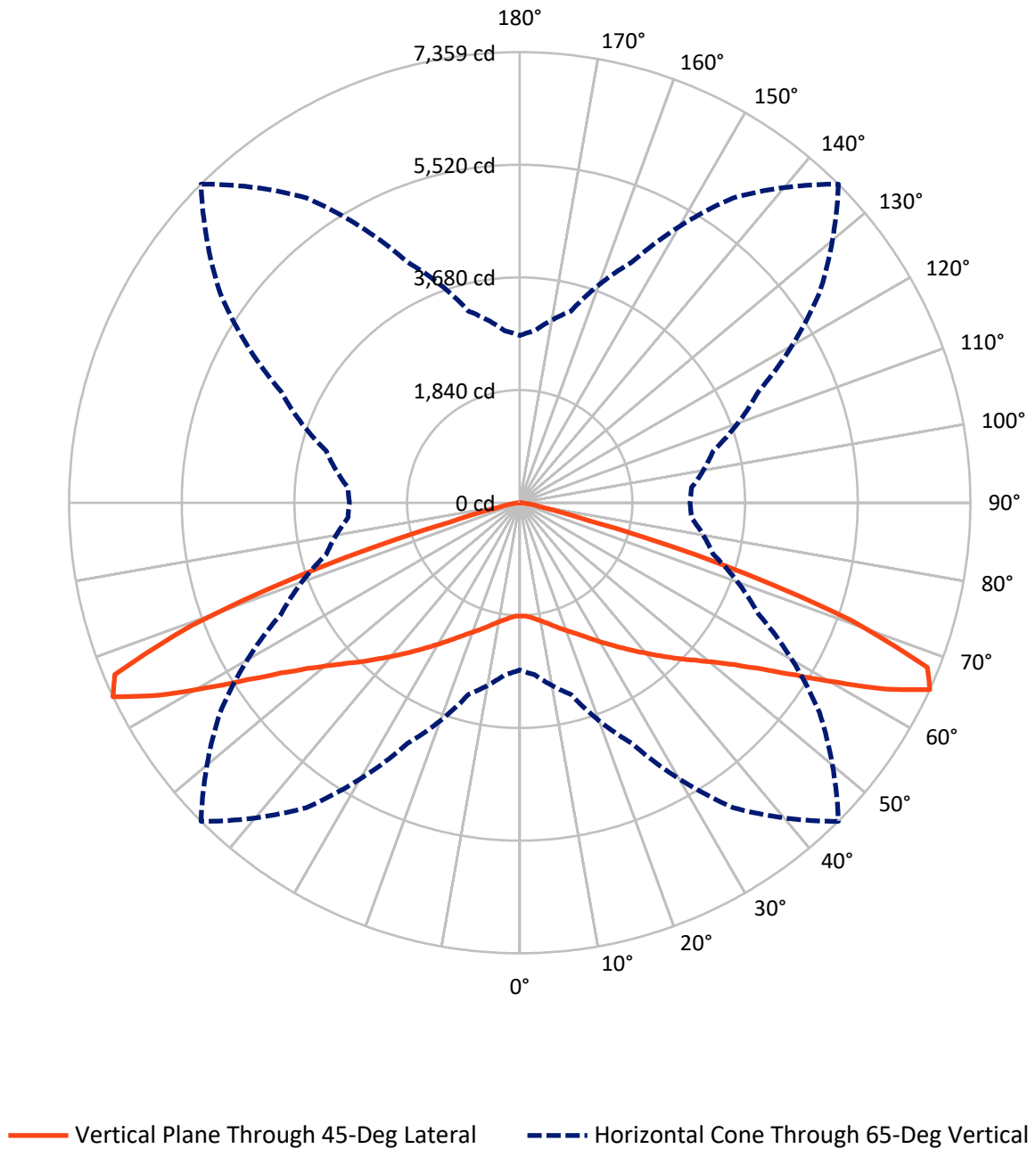


Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7781.5	0.0	7781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7781.5	0.0	7781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15563.0	0.0	15563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	1.2
10°-20°	596.5	3.8
20°-30°	1126.2	7.2
30°-40°	1844.1	11.8
40°-50°	2859.3	18.4
50°-60°	4223.7	27.1
60°-70°	4020.6	25.8
70°-80°	648.8	4.2
80°-90°	61.2	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°	15563.0	100.0
0°-180°	15563.0	100.0

Coefficient of Utilization



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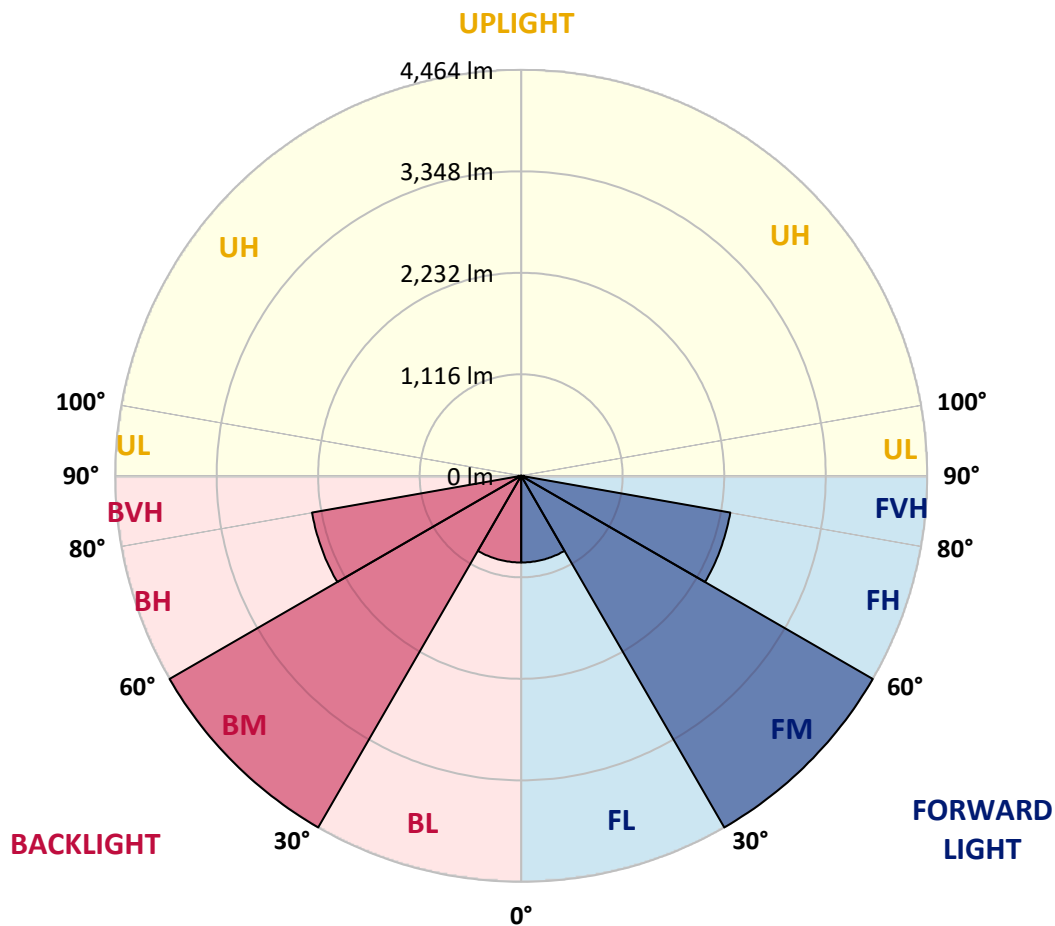
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	952.7	6.1			
FM	(30°-60°)	4463.5	28.7			
FH	(60°-80°)	2334.7	15.0			G2/5000
FVH	(80°-90°)	30.6	0.2			G1/100
BL	(0°-30°)	952.7	6.1	B2/1000		
BM	(30°-60°)	4463.5	28.7	B3/5000		
BH	(60°-80°)	2334.7	15.0	B3/2500		G2/5000
BVH	(80°-90°)	30.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2	1852.2
2.5°	1864.6	1858.4	1863.1	1859.2	1856.1	1852.9	1854.5	1860.0	1862.3	1863.1	1863.1
5°	1889.6	1884.2	1886.5	1886.5	1881.0	1879.5	1880.3	1884.2	1888.9	1888.9	1888.9
7.5°	1930.2	1924.8	1930.2	1927.1	1922.4	1920.9	1920.1	1923.2	1930.2	1930.2	1927.9
10°	1979.4	1973.2	1976.3	1974.7	1969.3	1966.9	1966.2	1970.8	1977.1	1976.3	1974.7
12.5°	2033.3	2026.3	2030.2	2025.5	2023.9	2021.6	2021.6	2020.8	2024.7	2021.6	2023.2
15°	2093.4	2088.7	2090.3	2087.2	2089.5	2088.0	2081.7	2078.6	2080.2	2075.5	2076.3
17.5°	2164.5	2153.6	2159.0	2157.5	2157.5	2160.6	2150.4	2146.5	2149.7	2145.0	2148.9
20°	2246.5	2235.5	2237.9	2234.8	2230.9	2234.0	2221.5	2224.6	2227.0	2223.8	2230.9
22.5°	2336.3	2322.2	2321.4	2323.0	2314.4	2315.2	2306.6	2314.4	2319.1	2310.5	2319.1
25°	2428.4	2413.6	2423.7	2419.8	2408.9	2411.2	2405.0	2412.8	2416.7	2405.8	2418.3
27.5°	2526.0	2515.9	2525.2	2527.6	2514.3	2523.7	2514.3	2521.3	2525.2	2508.8	2521.3
30°	2640.0	2629.9	2638.5	2644.7	2629.1	2643.9	2636.1	2640.8	2641.6	2622.1	2633.8
32.5°	2764.2	2748.6	2770.4	2773.5	2756.4	2774.3	2764.2	2770.4	2774.3	2747.8	2765.7
35°	2915.7	2896.1	2921.1	2917.2	2902.4	2917.2	2907.8	2917.2	2926.6	2894.6	2914.1
37.5°	3078.9	3058.6	3085.1	3078.1	3064.0	3074.2	3068.7	3074.9	3089.8	3055.4	3076.5
40°	3258.4	3233.5	3269.4	3256.9	3243.6	3242.0	3245.2	3249.1	3268.6	3230.3	3242.8
42.5°	3450.5	3424.0	3477.9	3458.3	3439.6	3427.1	3437.3	3445.1	3463.8	3420.9	3443.5
45°	3669.9	3639.5	3709.8	3686.3	3656.7	3630.9	3647.3	3659.0	3686.3	3634.8	3661.4
47.5°	3912.0	3877.7	3952.6	3945.6	3897.2	3841.0	3878.4	3912.0	3932.3	3869.8	3890.9
50°	4148.6	4122.1	4220.4	4229.0	4169.7	4090.8	4143.1	4193.9	4199.4	4117.4	4127.5
52.5°	4370.4	4343.8	4486.7	4540.6	4487.5	4393.8	4449.2	4500.8	4459.4	4353.2	4356.3
55°	4547.6	4525.7	4707.7	4846.7	4864.6	4787.3	4820.1	4818.6	4682.7	4519.5	4525.0
57.5°	4590.6	4587.4	4817.0	5111.4	5298.8	5308.2	5243.3	5077.8	4785.0	4565.6	4551.5
60°	4395.3	4414.9	4730.3	5249.6	5749.3	5957.0	5676.7	5204.3	4668.6	4364.1	4328.2
62.5°	3811.3	3862.8	4243.1	5080.9	6113.2	6703.5	6024.2	5012.2	4190.8	3793.3	3769.9
65°	2731.4	2821.2	3241.3	4336.0	6080.4	7359.4	5974.2	4300.9	3272.5	2814.1	2780.6
67.5°	1239.2	1330.6	1687.4	2968.8	5285.5	7181.4	5273.0	3000.0	1771.7	1335.2	1315.7
70°	449.0	464.6	579.4	1188.4	3377.9	5722.0	3522.4	1197.0	616.1	495.1	488.8
72.5°	271.7	274.1	298.3	425.6	1173.6	3474.0	1223.6	439.6	304.5	270.2	274.9
75°	172.6	171.0	212.4	260.0	416.2	1172.0	436.5	260.0	211.6	192.9	194.4
77.5°	124.2	128.1	152.3	194.4	262.4	397.4	257.7	185.8	152.3	124.9	127.3
80°	92.9	95.3	110.9	151.5	184.3	247.5	164.0	137.4	114.8	78.1	80.4
82.5°	67.2	67.2	72.6	110.1	112.4	133.5	89.0	96.8	75.7	55.4	55.4
85°	39.8	39.0	45.3	65.6	58.6	49.2	40.6	59.3	47.6	34.4	33.6
87.5°	14.1	14.8	14.1	18.7	15.6	13.3	12.5	16.4	13.3	11.7	10.9
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)