

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: P947333

Luminaire Tested: **GALN-SB2D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

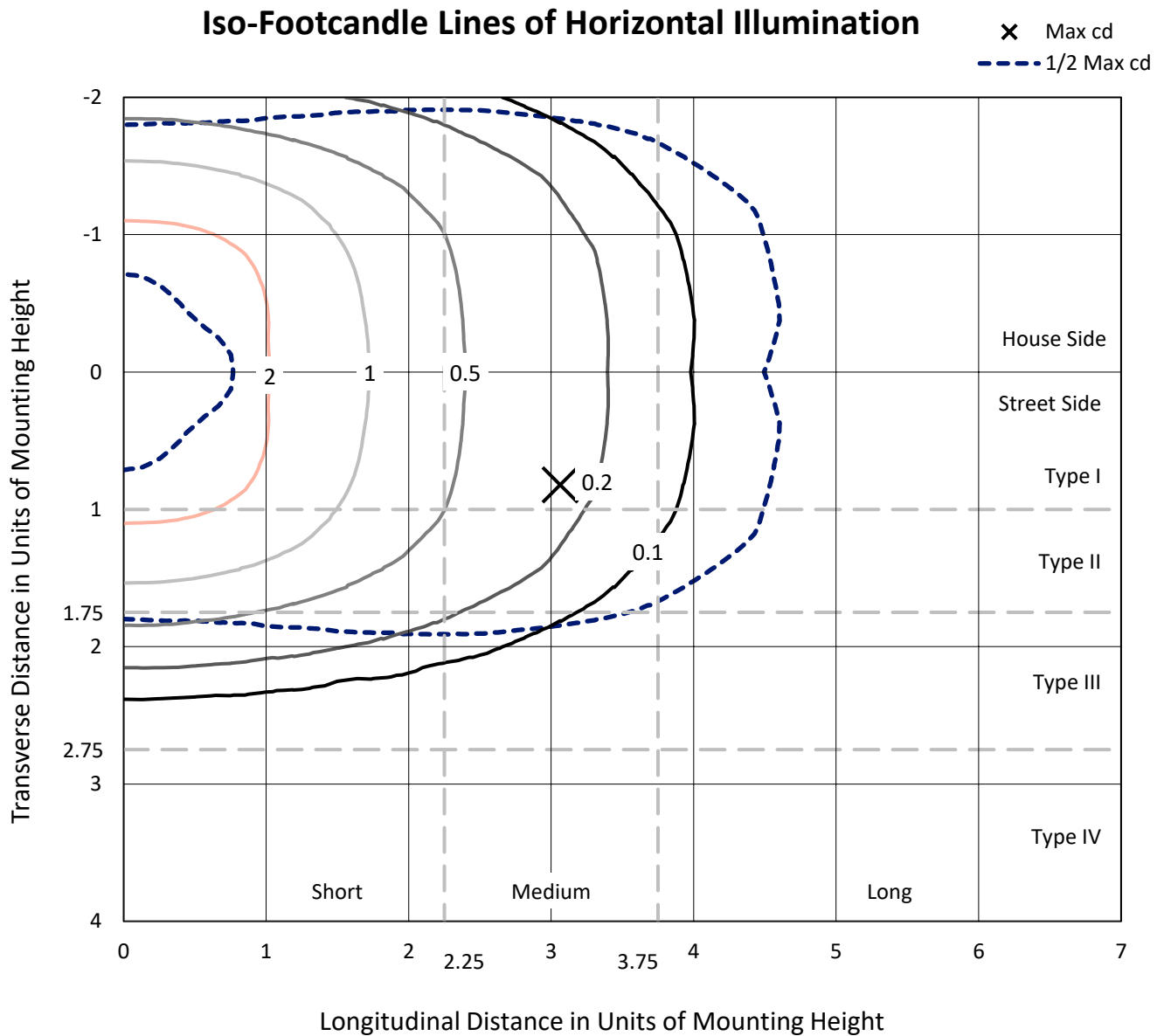
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17311 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 147.6
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

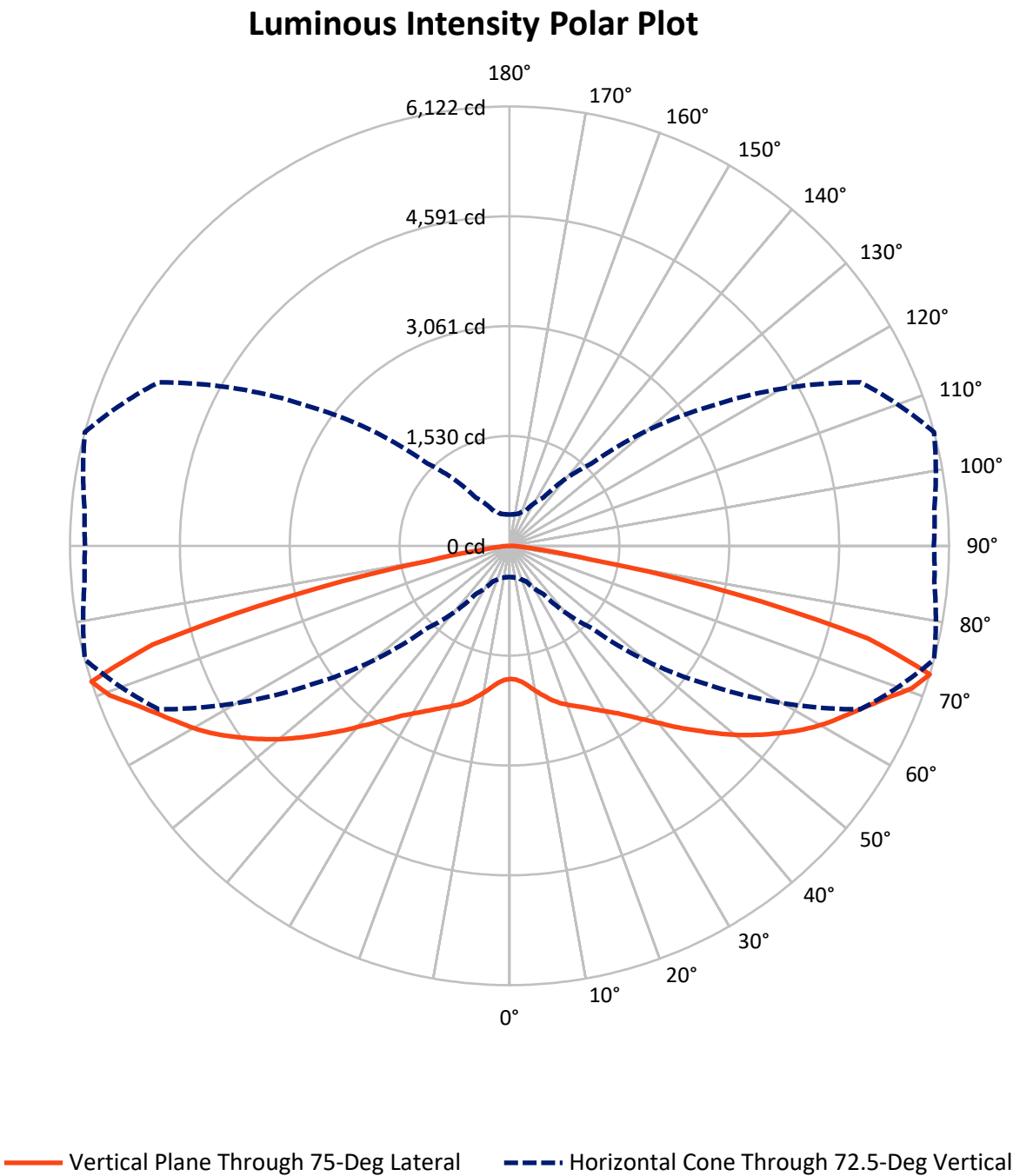


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Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8655.5	0.0	8655.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8655.5	0.0	8655.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17311.0	0.0	17311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	1.0
10°-20°	599.1	3.5
20°-30°	1157.6	6.7
30°-40°	1954.8	11.3
40°-50°	3100.0	17.9
50°-60°	4150.6	24.0
60°-70°	3950.0	22.8
70°-80°	2061.2	11.9
80°-90°	156.0	0.9
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°	17311.0	100.0
0°-180°	17311.0	100.0

Coefficient of Utilization



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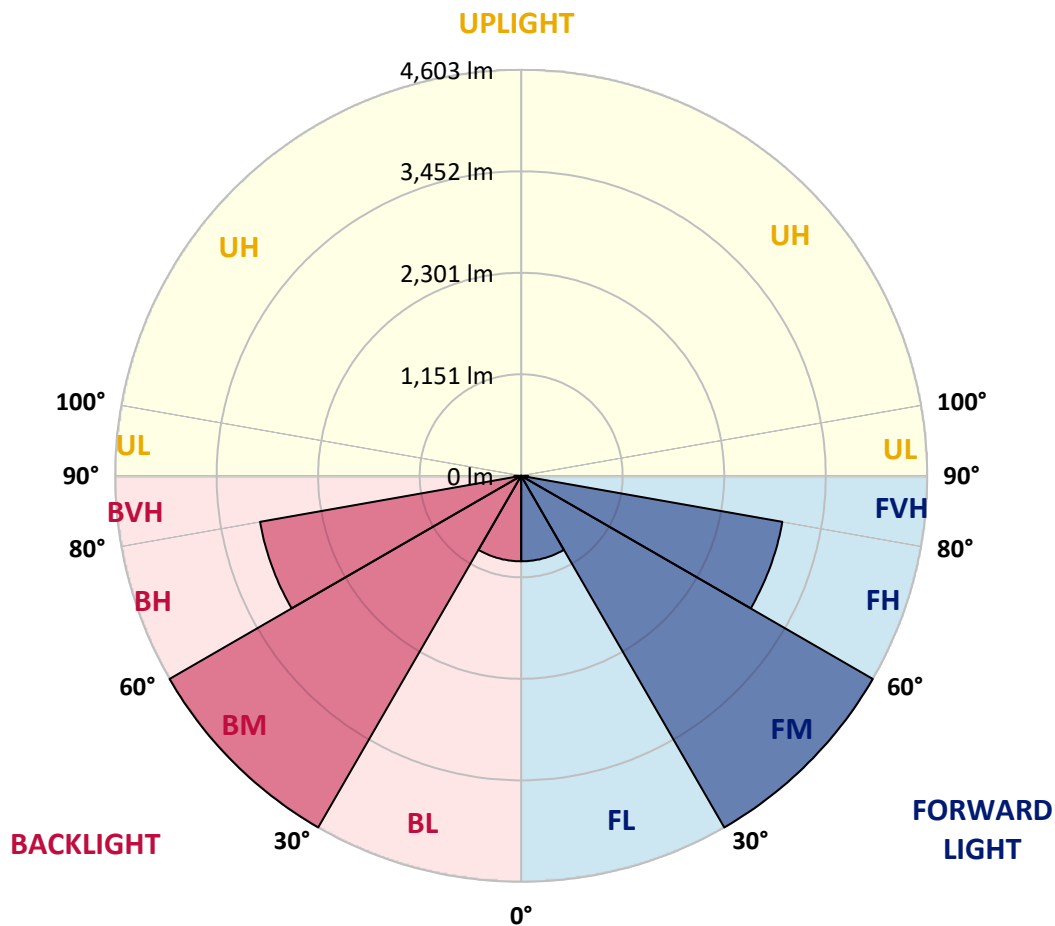
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.2	5.6			
FM	(30°-60°)	4602.7	26.6			
FH	(60°-80°)	3005.6	17.4			G2/5000
FVH	(80°-90°)	78.0	0.5			G1/100
BL	(0°-30°)	969.2	5.6	B2/1000		
BM	(30°-60°)	4602.7	26.6	B3/5000		
BH	(60°-80°)	3005.6	17.4	B4/5000		G4/5000
BVH	(80°-90°)	78.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3
2.5°	1854.3	1852.6	1854.3	1856.1	1855.2	1855.2	1859.6	1862.3	1867.6	1866.7	1865.8
5°	1841.9	1841.1	1848.1	1856.1	1862.3	1872.9	1886.1	1895.9	1908.2	1910.9	1910.9
7.5°	1835.8	1833.1	1845.5	1859.6	1879.1	1905.6	1931.2	1957.7	1978.9	1986.0	1987.8
10°	1840.2	1841.1	1857.9	1884.4	1915.3	1952.4	1988.7	2033.7	2063.8	2070.9	2077.9
12.5°	1860.5	1858.7	1887.0	1929.4	1971.9	2018.7	2061.1	2110.6	2143.3	2160.1	2167.2
15°	1897.6	1894.1	1933.9	1996.6	2058.5	2113.3	2147.8	2194.6	2232.6	2253.8	2261.8
17.5°	1941.8	1943.6	1995.7	2077.0	2158.4	2220.2	2252.9	2276.8	2306.0	2324.5	2333.4
20°	2019.6	2023.1	2081.5	2177.8	2270.6	2341.3	2367.8	2359.0	2367.0	2381.1	2391.7
22.5°	2123.9	2125.7	2191.1	2295.4	2392.6	2470.4	2488.0	2451.8	2429.7	2439.4	2446.5
25°	2245.0	2256.5	2321.9	2428.8	2528.7	2602.9	2610.9	2556.1	2501.3	2503.9	2508.4
27.5°	2392.6	2403.2	2469.5	2575.5	2677.2	2741.7	2740.8	2667.5	2587.0	2566.7	2572.9
30°	2552.6	2564.0	2632.1	2741.7	2836.3	2892.8	2880.5	2793.0	2678.1	2640.1	2644.5
32.5°	2742.6	2749.7	2818.6	2928.2	3015.7	3060.8	3035.1	2927.3	2784.1	2740.8	2751.4
35°	2972.4	2983.0	3034.3	3137.7	3214.6	3251.7	3208.4	3081.1	2920.2	2871.6	2878.7
37.5°	3234.9	3227.8	3286.2	3378.1	3441.7	3464.7	3405.5	3254.3	3075.8	3018.3	3029.0
40°	3508.9	3505.4	3569.0	3657.4	3691.8	3706.0	3618.5	3453.2	3255.2	3193.4	3213.7
42.5°	3757.2	3754.6	3840.3	3938.4	3980.0	3964.1	3853.6	3664.4	3462.9	3392.2	3409.9
45°	3956.1	3952.6	4057.8	4195.6	4277.0	4250.4	4101.9	3897.8	3673.3	3599.9	3616.7
47.5°	4109.0	4110.8	4223.9	4394.5	4536.8	4546.5	4355.6	4135.5	3904.9	3821.8	3846.5
50°	4219.5	4224.8	4345.9	4535.0	4729.5	4815.2	4614.6	4379.5	4144.4	4050.7	4079.0
52.5°	4246.9	4256.6	4402.5	4624.3	4853.2	5016.7	4878.0	4613.7	4371.5	4282.3	4305.2
55°	4101.1	4120.5	4305.2	4617.2	4929.2	5149.3	5109.5	4851.5	4600.4	4508.5	4534.2
57.5°	3766.1	3793.5	4009.1	4416.6	4912.4	5240.3	5289.0	5079.5	4829.4	4741.0	4761.3
60°	3296.8	3329.5	3536.3	3980.9	4675.6	5273.9	5415.4	5301.3	5039.7	4954.0	4972.5
62.5°	2588.8	2631.2	2878.7	3400.2	4175.3	5117.5	5523.2	5502.0	5228.9	5121.9	5134.3
65°	1660.8	1705.8	1966.6	2582.6	3508.0	4638.4	5556.8	5697.3	5428.6	5279.2	5297.8
67.5°	1001.4	1021.7	1150.8	1565.3	2564.0	3916.3	5272.2	5913.8	5661.9	5476.3	5490.5
70°	640.8	652.3	729.2	919.2	1449.5	2857.5	4566.9	5954.5	5944.8	5678.7	5677.0
72.5°	434.9	438.4	458.7	544.5	820.2	1623.6	3368.4	5390.6	6121.5	5939.5	5911.2
75°	318.2	337.6	370.3	385.4	465.8	811.4	1930.3	3787.3	5159.0	5238.6	5045.9
77.5°	236.9	237.8	282.8	300.5	332.3	432.2	816.7	2114.2	3203.1	3363.1	2999.8
80°	200.6	190.0	189.1	242.2	250.1	269.6	365.0	730.1	1147.2	695.6	525.9
82.5°	167.0	155.6	140.5	189.1	170.6	165.3	158.2	297.0	365.0	179.4	152.9
85°	116.7	111.4	106.1	123.7	97.2	83.1	76.0	138.8	153.8	76.0	67.2
87.5°	50.4	52.1	53.0	54.8	40.7	29.2	29.2	38.9	38.9	30.1	22.1
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)