

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: P949475

Luminaire Tested: **GALN-SB4B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949475
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-SB4B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19198 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 147
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

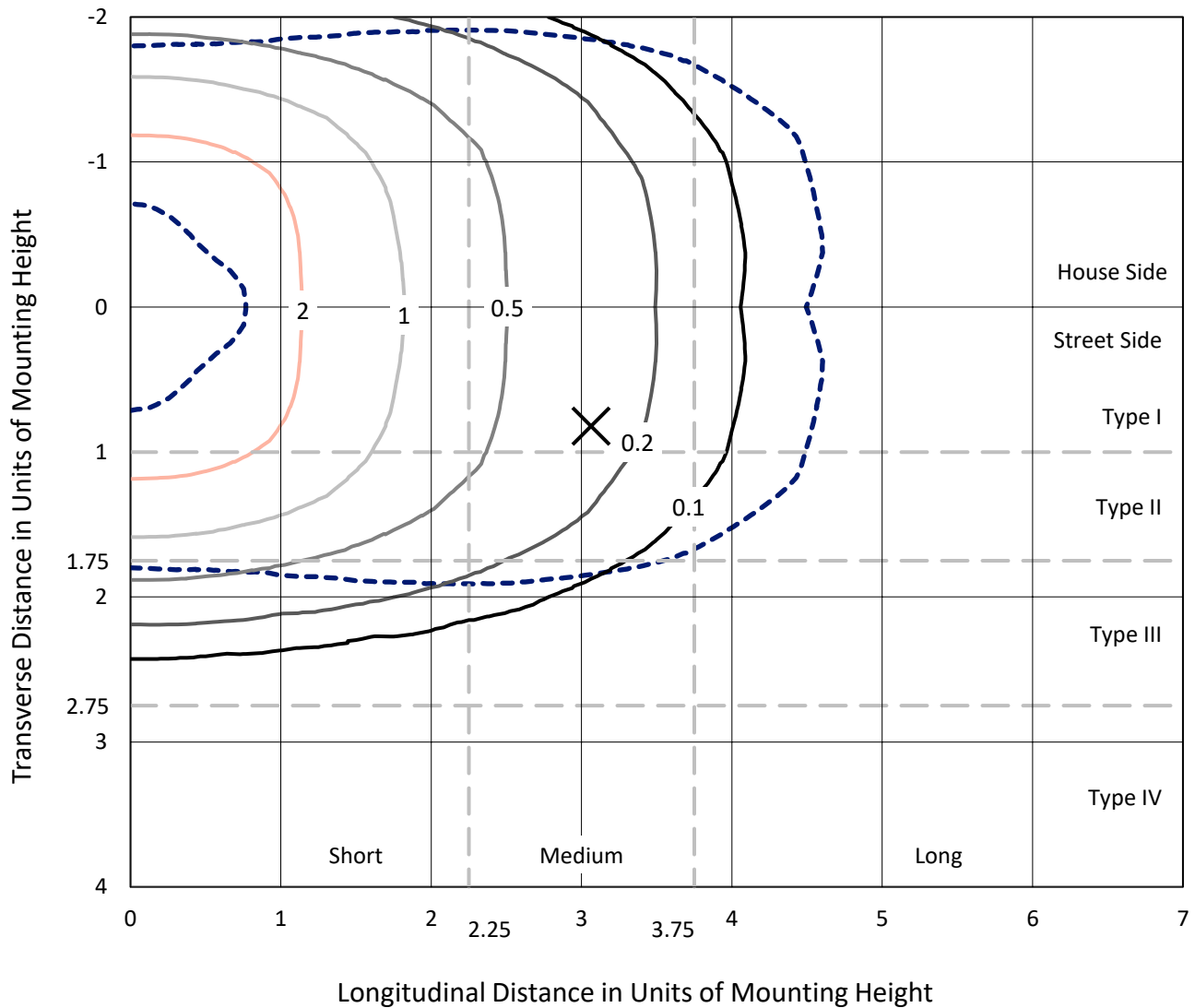


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

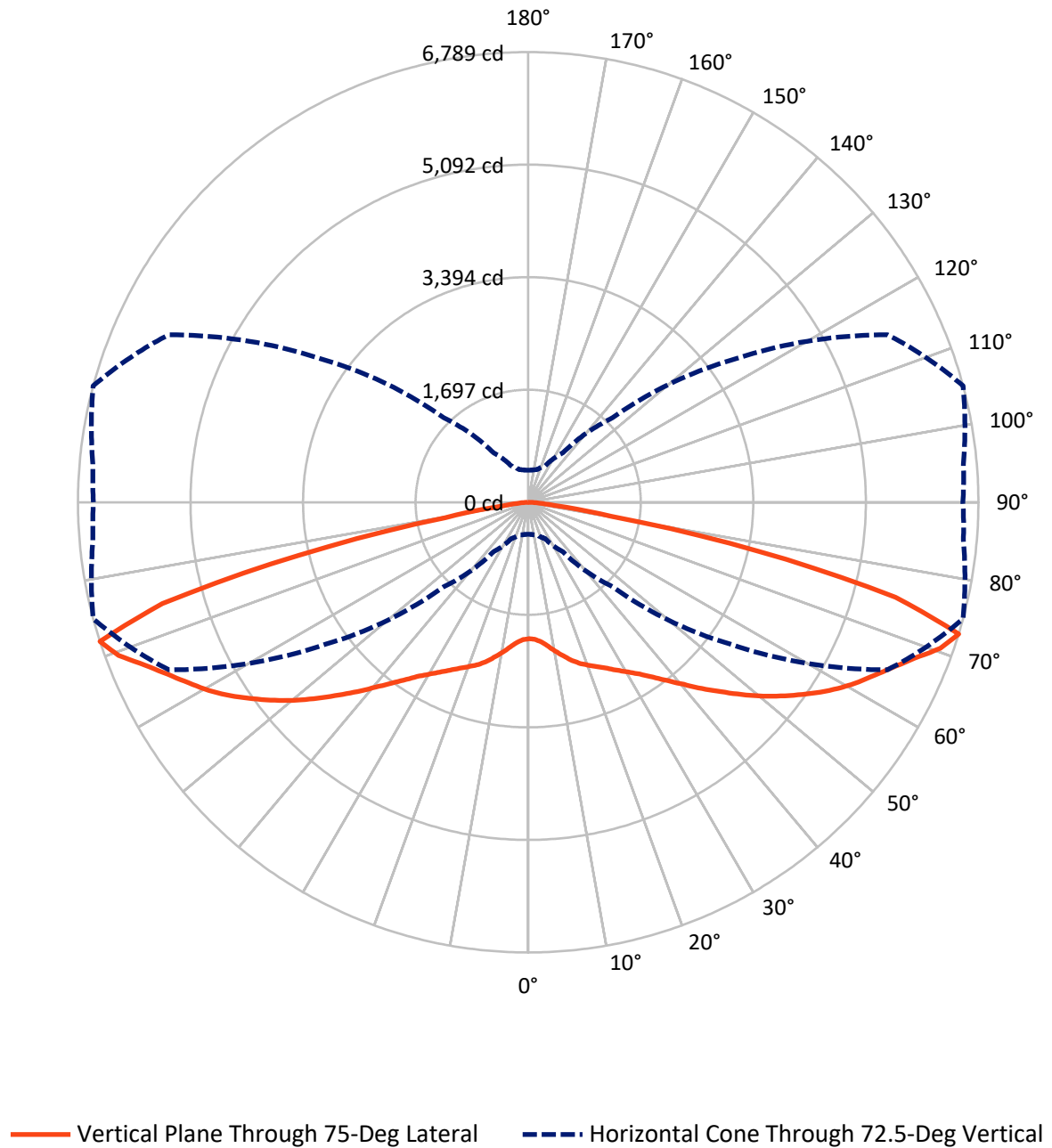


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9599.0	0.0	9599.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9599.0	0.0	9599.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19198.0	0.0	19198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.0
10°-20°	664.4	3.5
20°-30°	1283.8	6.7
30°-40°	2167.8	11.3
40°-50°	3438.0	17.9
50°-60°	4603.0	24.0
60°-70°	4380.6	22.8
70°-80°	2285.9	11.9
80°-90°	173.0	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°	19198.0	100.0
0°-180°	19198.0	100.0

Coefficient of Utilization



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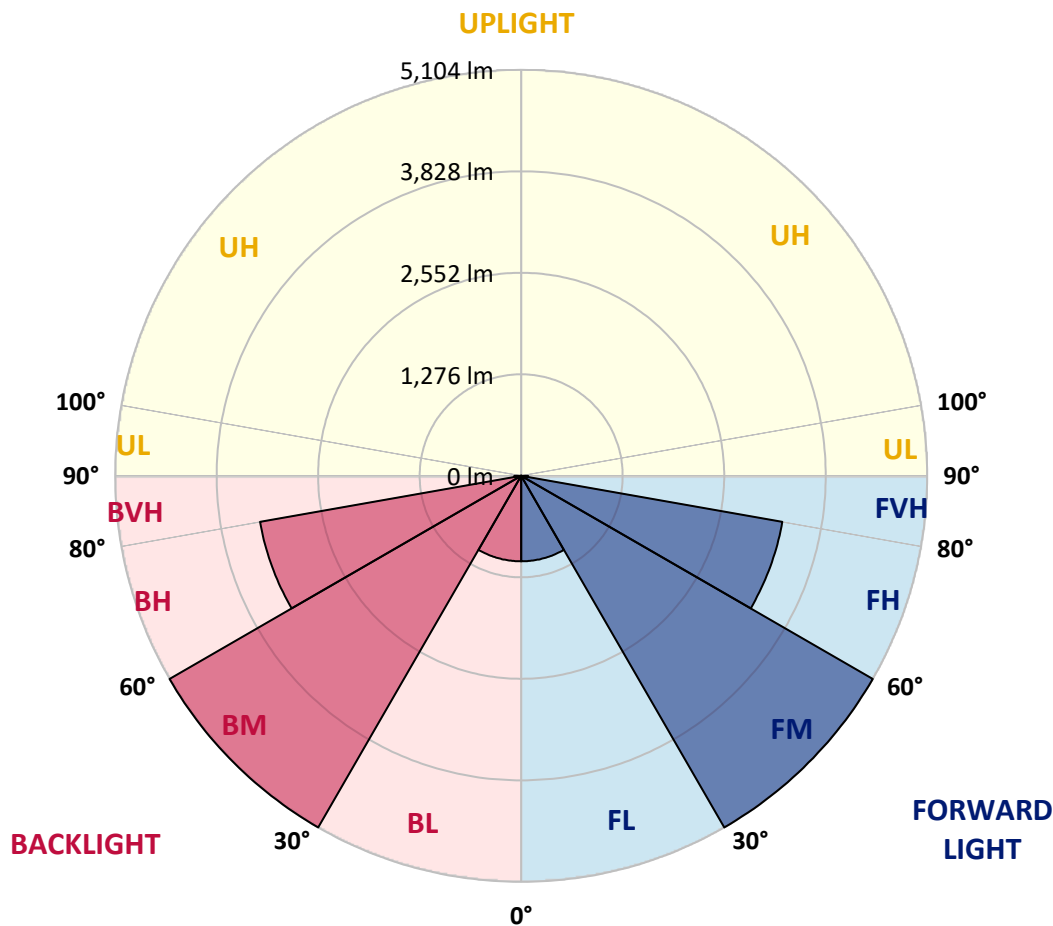
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1074.9	5.6			
FM	(30°-60°)	5104.4	26.6			
FH	(60°-80°)	3333.2	17.4			G2/5000
FVH	(80°-90°)	86.5	0.5			G1/100
BL	(0°-30°)	1074.9	5.6	B3/2500		
BM	(30°-60°)	5104.4	26.6	B4/8500		
BH	(60°-80°)	3333.2	17.4	B4/5000		G4/5000
BVH	(80°-90°)	86.5	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°	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4
2.5°	2056.4	2054.5	2056.4	2058.4	2057.4	2057.4	2062.3	2065.3	2071.2	2070.2	2069.2
5°	2042.7	2041.7	2049.6	2058.4	2065.3	2077.0	2091.7	2102.5	2116.2	2119.2	2119.2
7.5°	2035.9	2032.9	2046.6	2062.3	2083.9	2113.3	2141.7	2171.1	2194.7	2202.5	2204.5
10°	2040.8	2041.7	2060.4	2089.8	2124.1	2165.3	2205.4	2255.4	2288.8	2296.6	2304.4
12.5°	2063.3	2061.4	2092.7	2139.8	2186.8	2238.8	2285.8	2340.7	2377.0	2395.6	2403.4
15°	2104.5	2100.6	2144.7	2214.3	2282.9	2343.6	2381.9	2433.8	2476.0	2499.5	2508.3
17.5°	2153.5	2155.4	2213.3	2303.5	2393.6	2462.3	2498.5	2525.0	2557.3	2577.9	2587.7
20°	2239.7	2243.7	2308.4	2415.2	2518.1	2596.5	2625.9	2616.1	2625.0	2640.6	2652.4
22.5°	2355.4	2357.4	2429.9	2545.6	2653.4	2739.6	2759.2	2719.1	2694.6	2705.3	2713.2
25°	2489.7	2502.4	2575.0	2693.6	2804.3	2886.7	2895.5	2834.7	2774.0	2776.9	2781.8
27.5°	2653.4	2665.2	2738.7	2856.3	2969.0	3040.6	3039.6	2958.2	2869.0	2846.5	2853.3
30°	2830.8	2843.5	2919.0	3040.6	3145.4	3208.2	3194.5	3097.4	2970.0	2927.8	2932.7
32.5°	3041.5	3049.4	3125.8	3247.4	3344.4	3394.4	3366.0	3246.4	3087.6	3039.6	3051.3
35°	3296.4	3308.2	3365.0	3479.7	3565.0	3606.1	3558.1	3417.0	3238.6	3184.7	3192.5
37.5°	3587.5	3579.7	3644.4	3746.3	3816.9	3842.4	3776.7	3609.1	3411.1	3347.4	3359.1
40°	3891.4	3887.5	3958.0	4056.0	4094.3	4110.0	4012.9	3829.6	3610.1	3541.4	3564.0
42.5°	4166.8	4163.9	4258.9	4367.7	4413.8	4396.2	4273.7	4063.9	3840.4	3762.0	3781.6
45°	4387.4	4383.4	4500.1	4653.0	4743.2	4713.8	4549.1	4322.7	4073.7	3992.3	4011.0
47.5°	4556.9	4558.9	4684.4	4873.5	5031.3	5042.1	4830.4	4586.3	4330.5	4238.4	4265.8
50°	4679.5	4685.3	4819.6	5029.4	5245.0	5340.1	5117.6	4856.9	4596.1	4492.2	4523.6
52.5°	4709.8	4720.6	4882.4	5128.4	5382.3	5563.6	5409.7	5116.6	4848.0	4749.0	4774.5
55°	4548.1	4569.7	4774.5	5120.5	5466.5	5710.6	5666.5	5380.3	5101.9	5000.0	5028.4
57.5°	4176.6	4207.0	4446.2	4898.0	5447.9	5811.6	5865.5	5633.2	5355.8	5257.8	5280.3
60°	3656.1	3692.4	3921.8	4414.8	5185.2	5848.8	6005.7	5879.2	5589.1	5494.0	5514.6
62.5°	2871.0	2918.0	3192.5	3770.8	4630.4	5675.3	6125.2	6101.7	5798.8	5680.2	5694.0
65°	1841.8	1891.8	2180.9	2864.1	3890.4	5144.1	6162.5	6318.3	6020.4	5854.7	5875.3
67.5°	1110.6	1133.1	1276.2	1735.9	2843.5	4343.2	5846.9	6558.5	6279.1	6073.3	6089.0
70°	710.6	723.4	808.7	1019.4	1607.5	3169.0	5064.7	6603.6	6592.8	6297.8	6295.8
72.5°	482.3	486.2	508.7	603.8	909.6	1800.6	3735.5	5978.2	6788.8	6586.9	6555.5
75°	352.9	374.4	410.7	427.4	516.6	899.8	2140.7	4200.1	5721.4	5809.6	5595.9
77.5°	262.7	263.7	313.7	333.3	368.6	479.3	905.7	2344.6	3552.2	3729.6	3326.8
80°	222.5	210.7	209.8	268.6	277.4	299.0	404.8	809.6	1272.3	771.4	583.2
82.5°	185.3	172.5	155.9	209.8	189.2	183.3	175.5	329.3	404.8	199.0	169.6
85°	129.4	123.5	117.6	137.2	107.8	92.1	84.3	153.9	170.6	84.3	74.5
87.5°	55.9	57.8	58.8	60.8	45.1	32.3	32.3	43.1	43.1	33.3	24.5
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)