

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: P951239

Luminaire Tested: **GALN-SB5B-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951239
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-SB5B-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20376 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

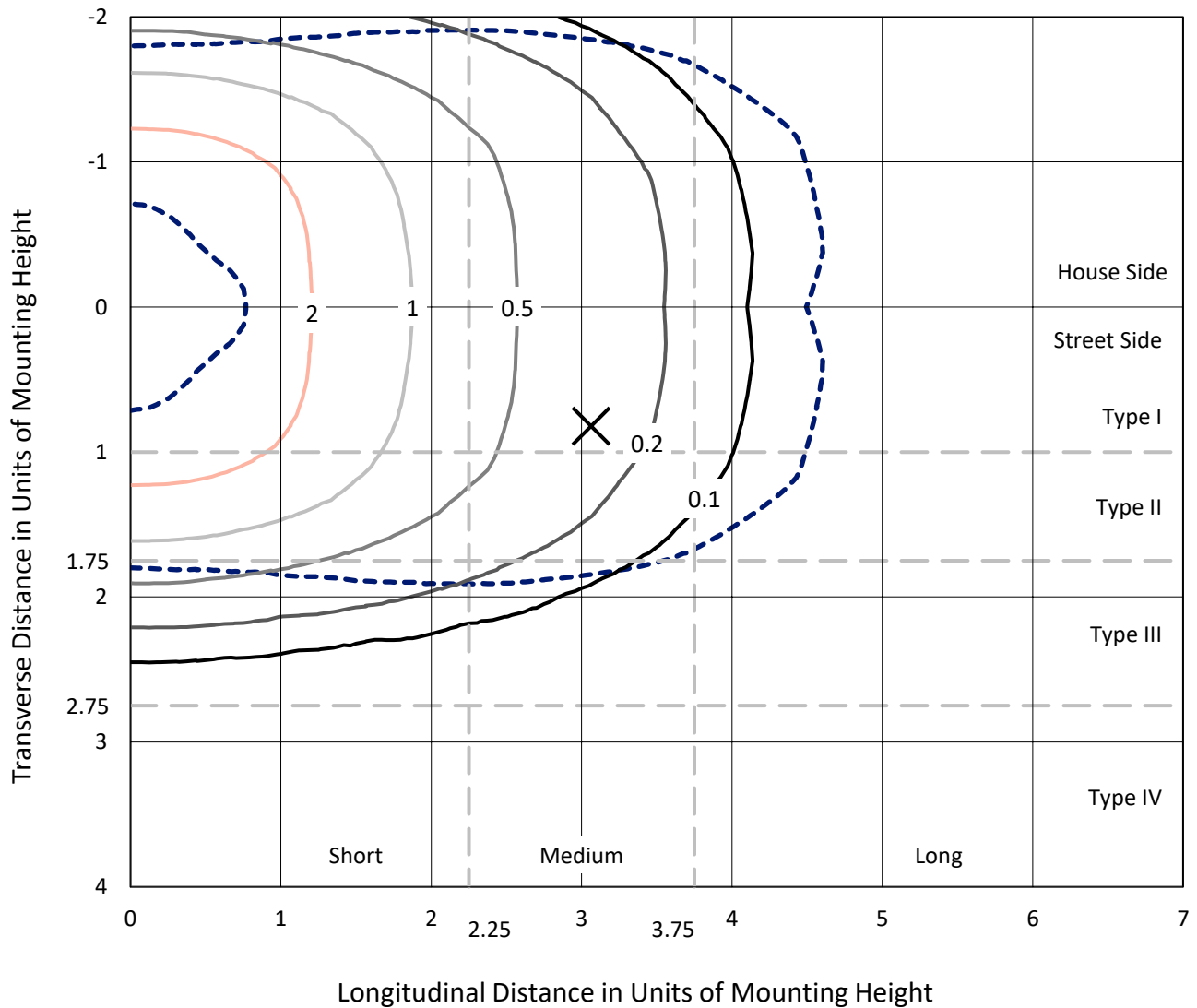
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

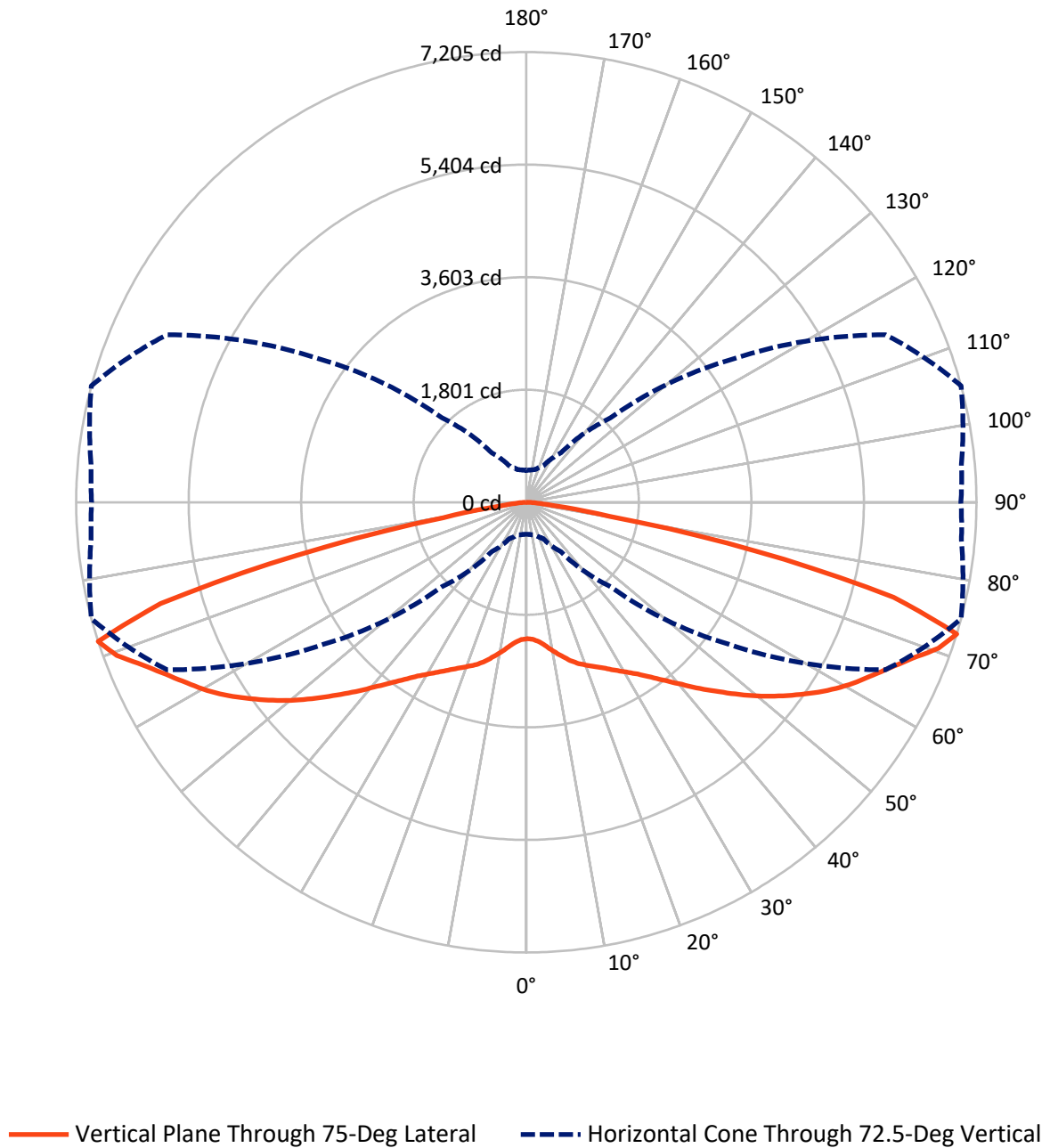
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	10188.0	0.0	10188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10188.0	0.0	10188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20376.0	0.0	20376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.8	1.0
10°-20°	705.2	3.5
20°-30°	1362.6	6.7
30°-40°	2300.9	11.3
40°-50°	3648.9	17.9
50°-60°	4885.5	24.0
60°-70°	4649.4	22.8
70°-80°	2426.1	11.9
80°-90°	183.6	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°	20376.0	100.0
0°-180°	20376.0	100.0

Coefficient of Utilization



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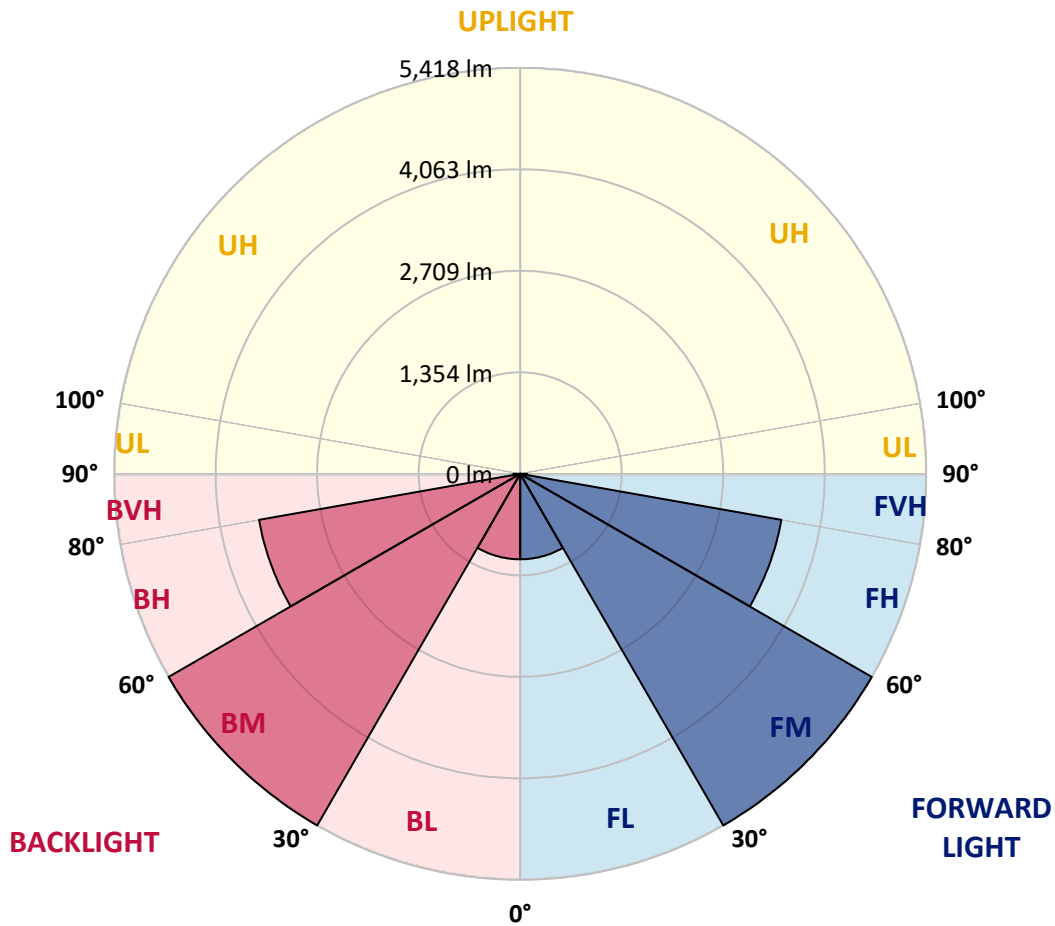
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1140.8	5.6			
FM (30°-60°)	5417.6	26.6			
FH (60°-80°)	3537.8	17.4			G2/5000
FVH (80°-90°)	91.8	0.5			G1/100
BL (0°-30°)	1140.8	5.6	B3/2500		
BM (30°-60°)	5417.6	26.6	B4/8500		
BH (60°-80°)	3537.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	91.8	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°
0°	2182.6	2182.6	2182.6	2182.6	2182.6	2182.6	2182.6	2182.6	2182.6	2182.6
2.5°	2182.6	2180.6	2182.6	2184.7	2183.7	2183.7	2188.9	2192.0	2198.2	2197.2
5°	2168.1	2167.0	2175.4	2184.7	2192.0	2204.5	2220.1	2231.5	2246.1	2249.2
7.5°	2160.8	2157.7	2172.2	2188.9	2211.8	2243.0	2273.1	2304.4	2329.3	2337.6
10°	2166.0	2167.0	2186.8	2218.0	2254.4	2298.1	2340.8	2393.8	2429.2	2437.5
12.5°	2189.9	2187.8	2221.1	2271.1	2321.0	2376.1	2426.1	2484.3	2522.8	2542.6
15°	2233.6	2229.4	2276.3	2350.1	2423.0	2487.5	2528.0	2583.2	2627.9	2652.9
17.5°	2285.6	2287.7	2349.1	2444.8	2540.5	2613.3	2651.8	2679.9	2714.2	2736.1
20°	2377.2	2381.3	2450.0	2563.4	2672.6	2755.9	2787.1	2776.7	2786.0	2802.7
22.5°	2499.9	2502.0	2579.0	2701.8	2816.2	2907.8	2928.6	2885.9	2859.9	2871.3
25°	2642.5	2656.0	2733.0	2858.9	2976.4	3063.8	3073.2	3008.7	2944.2	2947.3
27.5°	2816.2	2828.7	2906.7	3031.6	3151.2	3227.1	3226.1	3139.7	3045.1	3021.1
30°	3004.5	3018.0	3098.1	3227.1	3338.5	3405.0	3390.5	3287.5	3152.2	3107.5
32.5°	3228.2	3236.5	3317.6	3446.6	3549.6	3602.7	3572.5	3445.6	3277.1	3226.1
35°	3498.7	3511.1	3571.5	3693.2	3783.7	3827.4	3776.4	3626.6	3437.3	3380.1
37.5°	3807.6	3799.3	3868.0	3976.2	4051.1	4078.1	4008.4	3830.5	3620.4	3552.8
40°	4130.2	4126.0	4200.9	4304.9	4345.5	4362.1	4259.2	4064.6	3831.6	3758.8
42.5°	4422.5	4419.4	4520.3	4635.8	4684.7	4665.9	4535.9	4313.3	4076.1	3992.8
45°	4656.6	4652.4	4776.2	4938.5	5034.2	5003.0	4828.2	4587.9	4323.7	4237.3
47.5°	4836.5	4838.6	4971.8	5172.6	5340.1	5351.5	5126.8	4867.8	4596.2	4498.4
50°	4966.6	4972.8	5115.4	5338.0	5566.9	5667.8	5431.6	5154.9	4878.2	4767.9
52.5°	4998.8	5010.3	5181.9	5443.1	5712.5	5905.0	5741.6	5430.6	5145.5	5040.4
55°	4827.2	4850.1	5067.5	5434.7	5802.0	6061.0	6014.2	5710.4	5415.0	5306.8
57.5°	4432.9	4465.1	4719.0	5198.6	5782.2	6168.2	6225.4	5978.8	5684.4	5580.4
60°	3880.5	3919.0	4162.4	4685.7	5503.4	6207.7	6374.2	6240.0	5932.0	5831.1
62.5°	3047.2	3097.1	3388.4	4002.2	4914.6	6023.6	6501.1	6476.1	6154.7	6028.8
65°	1954.8	2007.9	2314.8	3039.9	4129.1	5459.7	6540.6	6706.0	6389.8	6214.0
67.5°	1178.7	1202.6	1354.5	1842.4	3018.0	4609.7	6205.6	6960.9	6664.4	6445.9
70°	754.2	767.8	858.3	1082.0	1706.2	3363.4	5375.4	7008.8	6997.3	6684.2
72.5°	511.8	516.0	539.9	640.8	965.4	1911.1	3964.7	6345.0	7205.4	6991.1
75°	374.5	397.4	435.9	453.6	548.3	955.0	2272.1	4457.9	6072.5	6166.1
77.5°	278.8	279.9	332.9	353.7	391.2	508.7	961.3	2488.5	3770.2	3958.5
80°	236.2	223.7	222.6	285.1	294.4	317.3	429.7	859.3	1350.4	818.7
82.5°	196.6	183.1	165.4	222.6	200.8	194.5	186.2	349.6	429.7	211.2
85°	137.3	131.1	124.8	145.6	114.4	97.8	89.5	163.3	181.0	89.5
87.5°	59.3	61.4	62.4	64.5	47.9	34.3	34.3	45.8	45.8	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2182.6
2196.2
2249.2
2339.7
2445.8
2550.9
2662.2
2746.5
2815.2
2879.7
2952.5
3028.4
3112.7
3238.6
3388.4
3565.2
3782.7
4013.6
4257.1
4527.6
4801.2
5067.5
5336.9
5604.3
5853.0
6043.3
6235.8
6462.6
6682.1
6957.8
5939.3
3530.9
619.0
180.0
79.1
26.0
0.0

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