

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: P952583

Luminaire Tested: **GALN-SB6B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952583
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-SB6B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21403 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

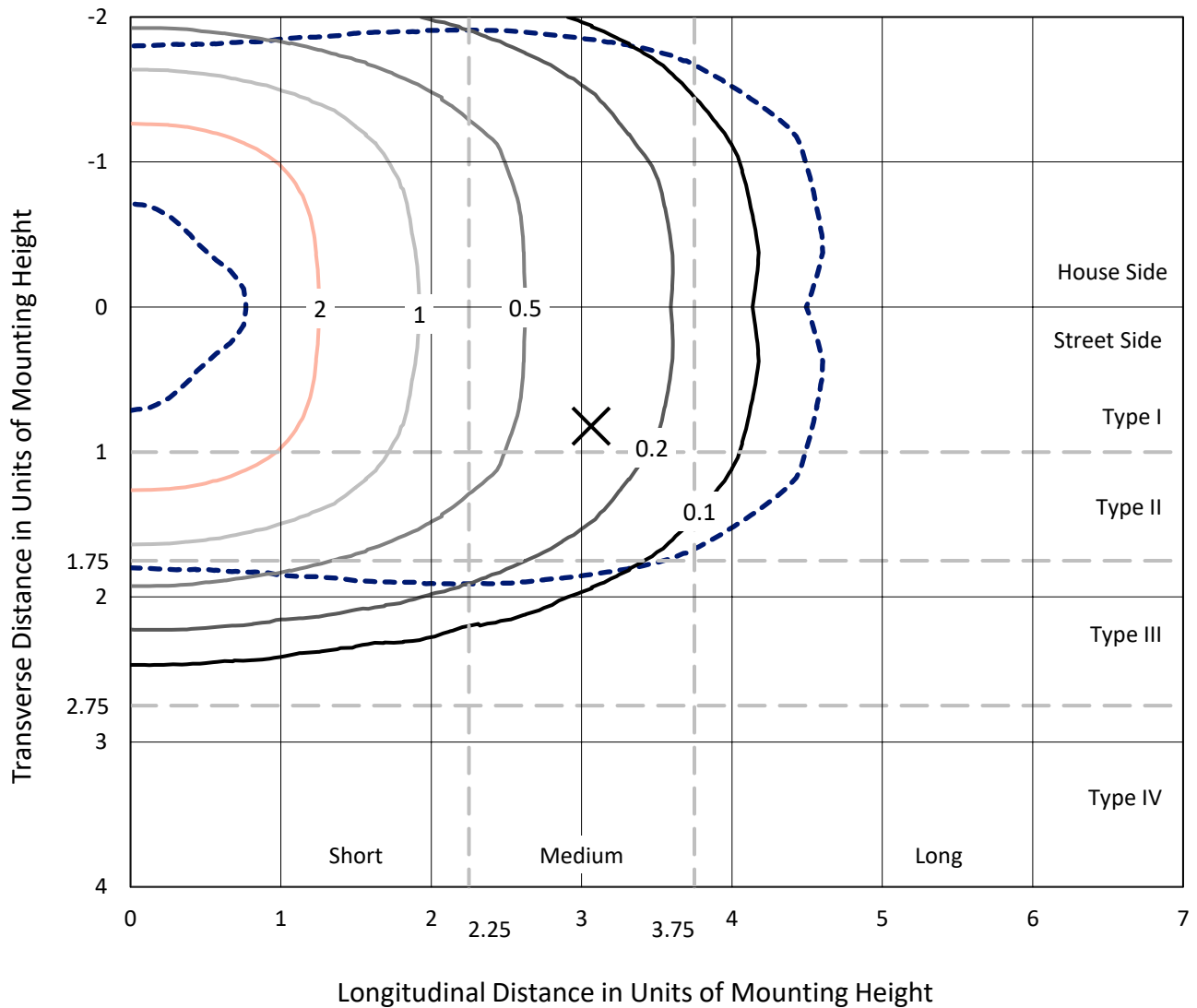
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

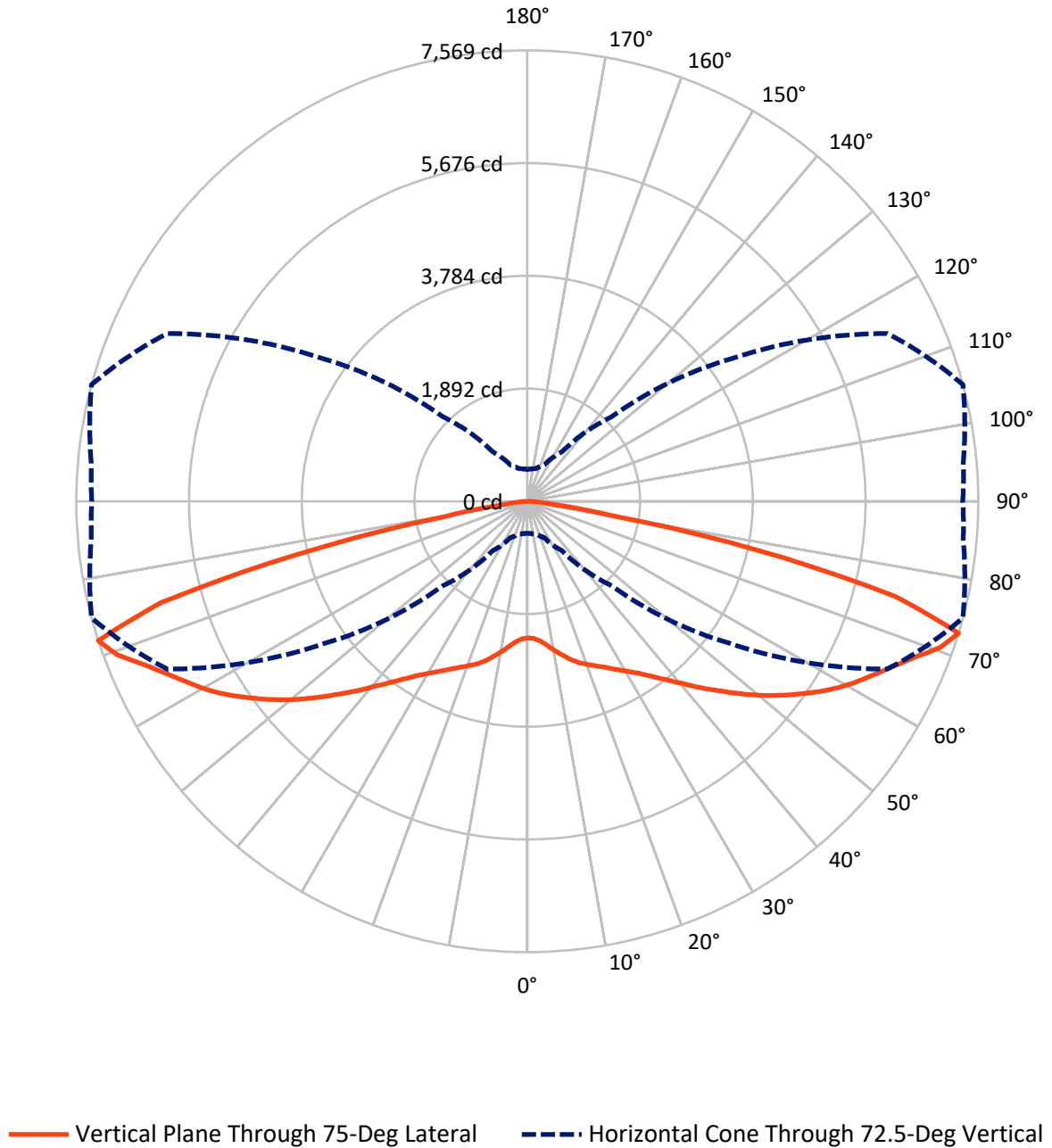
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	10701.5	0.0	10701.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10701.5	0.0	10701.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21403.0	0.0	21403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.6	1.0
10°-20°	740.7	3.5
20°-30°	1431.3	6.7
30°-40°	2416.8	11.3
40°-50°	3832.8	17.9
50°-60°	5131.7	24.0
60°-70°	4883.7	22.8
70°-80°	2548.4	11.9
80°-90°	192.9	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°	21403.0	100.0
0°-180°	21403.0	100.0

Coefficient of Utilization



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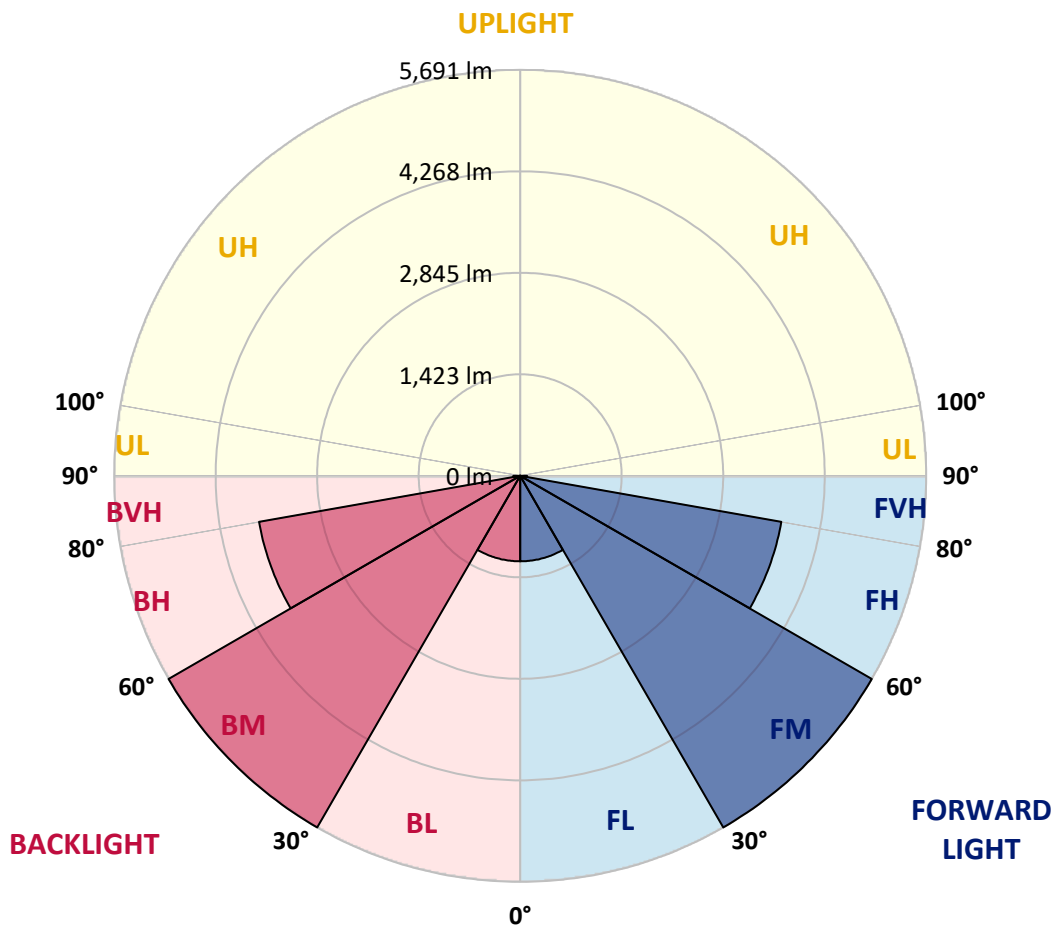
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.3	5.6			
FM (30°-60°)	5690.7	26.6			
FH (60°-80°)	3716.1	17.4			G2/5000
FVH (80°-90°)	96.5	0.5			G1/100
BL (0°-30°)	1198.3	5.6	B3/2500		
BM (30°-60°)	5690.7	26.6	B4/8500		
BH (60°-80°)	3716.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	96.5	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°
0°	2292.6	2292.6	2292.6	2292.6	2292.6	2292.6	2292.6	2292.6	2292.6	2292.6
2.5°	2292.6	2290.5	2292.6	2294.8	2293.7	2293.7	2299.2	2302.5	2309.0	2307.9
5°	2277.3	2276.3	2285.0	2294.8	2302.5	2315.6	2332.0	2344.0	2359.3	2362.6
7.5°	2269.7	2266.4	2281.7	2299.2	2323.2	2356.0	2387.7	2420.5	2446.7	2455.5
10°	2275.2	2276.3	2297.0	2329.8	2368.0	2413.9	2458.7	2514.5	2551.6	2560.4
12.5°	2300.3	2298.1	2333.1	2385.5	2438.0	2495.9	2548.4	2609.5	2650.0	2670.7
15°	2346.2	2341.8	2391.0	2468.6	2545.1	2612.8	2655.4	2713.4	2760.4	2786.6
17.5°	2400.8	2403.0	2467.5	2568.0	2668.6	2745.1	2785.5	2815.0	2851.1	2874.0
20°	2497.0	2501.4	2573.5	2692.6	2807.3	2894.8	2927.5	2916.6	2926.5	2943.9
22.5°	2625.9	2628.1	2709.0	2837.9	2958.1	3054.3	3076.2	3031.4	3004.0	3016.1
25°	2775.7	2789.9	2870.7	3002.9	3126.4	3218.2	3228.1	3160.3	3092.6	3095.8
27.5°	2958.1	2971.3	3053.2	3184.3	3310.0	3389.8	3388.7	3298.0	3198.6	3173.4
30°	3155.9	3170.1	3254.3	3389.8	3506.7	3576.7	3561.4	3453.2	3311.1	3264.1
32.5°	3390.9	3399.6	3484.9	3620.4	3728.6	3784.3	3752.6	3619.3	3442.2	3388.7
35°	3675.0	3688.1	3751.5	3879.4	3974.4	4020.3	3966.8	3809.4	3610.5	3550.4
37.5°	3999.6	3990.8	4062.9	4176.6	4255.3	4283.7	4210.5	4023.6	3802.9	3731.8
40°	4338.3	4334.0	4412.6	4521.9	4564.5	4582.0	4473.8	4269.5	4024.7	3948.2
42.5°	4645.4	4642.1	4748.1	4869.4	4920.8	4901.1	4764.5	4530.7	4281.5	4194.1
45°	4891.3	4886.9	5016.9	5187.4	5287.9	5255.2	5071.6	4819.1	4541.6	4450.9
47.5°	5080.3	5082.5	5222.4	5433.3	5609.2	5621.2	5385.2	5113.1	4827.9	4725.2
50°	5216.9	5223.5	5373.2	5607.0	5847.4	5953.4	5705.4	5414.7	5124.0	5008.2
52.5°	5250.8	5262.8	5443.1	5717.4	6000.4	6202.6	6031.0	5704.3	5404.9	5294.5
55°	5070.5	5094.5	5322.9	5708.7	6094.4	6366.5	6317.3	5998.2	5687.9	5574.3
57.5°	4656.3	4690.2	4956.8	5460.6	6073.7	6479.1	6539.2	6280.2	5970.9	5861.7
60°	4076.1	4116.5	4372.2	4921.9	5780.8	6520.6	6695.4	6554.5	6231.0	6125.0
62.5°	3200.7	3253.2	3559.2	4203.9	5162.3	6327.2	6828.8	6802.5	6464.9	6332.6
65°	2053.3	2109.1	2431.4	3193.1	4337.2	5734.9	6870.3	7044.0	6711.8	6527.2
67.5°	1238.1	1263.2	1422.8	1935.3	3170.1	4842.1	6518.4	7311.8	7000.3	6770.8
70°	792.3	806.5	901.5	1136.5	1792.2	3532.9	5646.4	7362.0	7350.0	7021.1
72.5°	537.6	542.0	567.2	673.2	1014.1	2007.4	4164.6	6664.8	7568.6	7343.5
75°	393.4	417.4	457.9	476.5	575.9	1003.2	2386.6	4682.5	6378.5	6476.9
77.5°	292.9	294.0	349.7	371.5	410.9	534.4	1009.7	2613.9	3960.2	4158.0
80°	248.1	234.9	233.9	299.4	309.3	333.3	451.3	902.6	1418.4	860.0
82.5°	206.5	192.3	173.8	233.9	210.9	204.3	195.6	367.2	451.3	221.8
85°	144.2	137.7	131.1	153.0	120.2	102.7	94.0	171.6	190.1	94.0
87.5°	62.3	64.5	65.6	67.8	50.3	36.1	36.1	48.1	48.1	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2292.6
2306.9
2362.6
2457.7
2569.1
2679.5
2796.4
2884.9
2957.1
3024.8
3101.3
3181.1
3269.6
3401.8
3559.2
3744.9
3973.3
4215.9
4471.6
4755.8
5043.2
5322.9
5605.9
5886.8
6148.0
6347.9
6550.1
6788.3
7018.9
7308.5
6238.7
3708.9
650.2
189.1
83.1
27.3
0.0

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