

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: P942280

Luminaire Tested: **GALN-SB6B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28533 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - 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

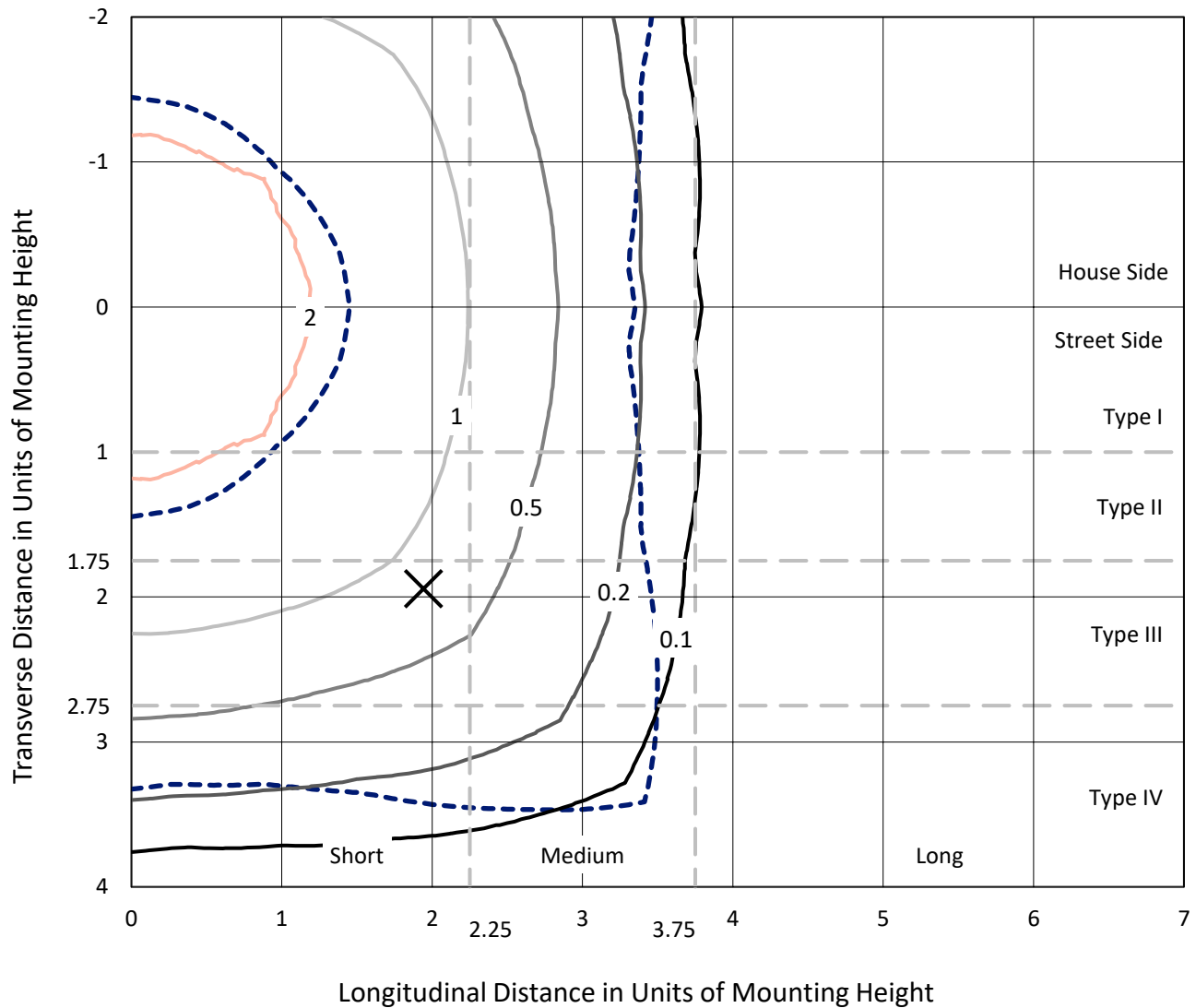


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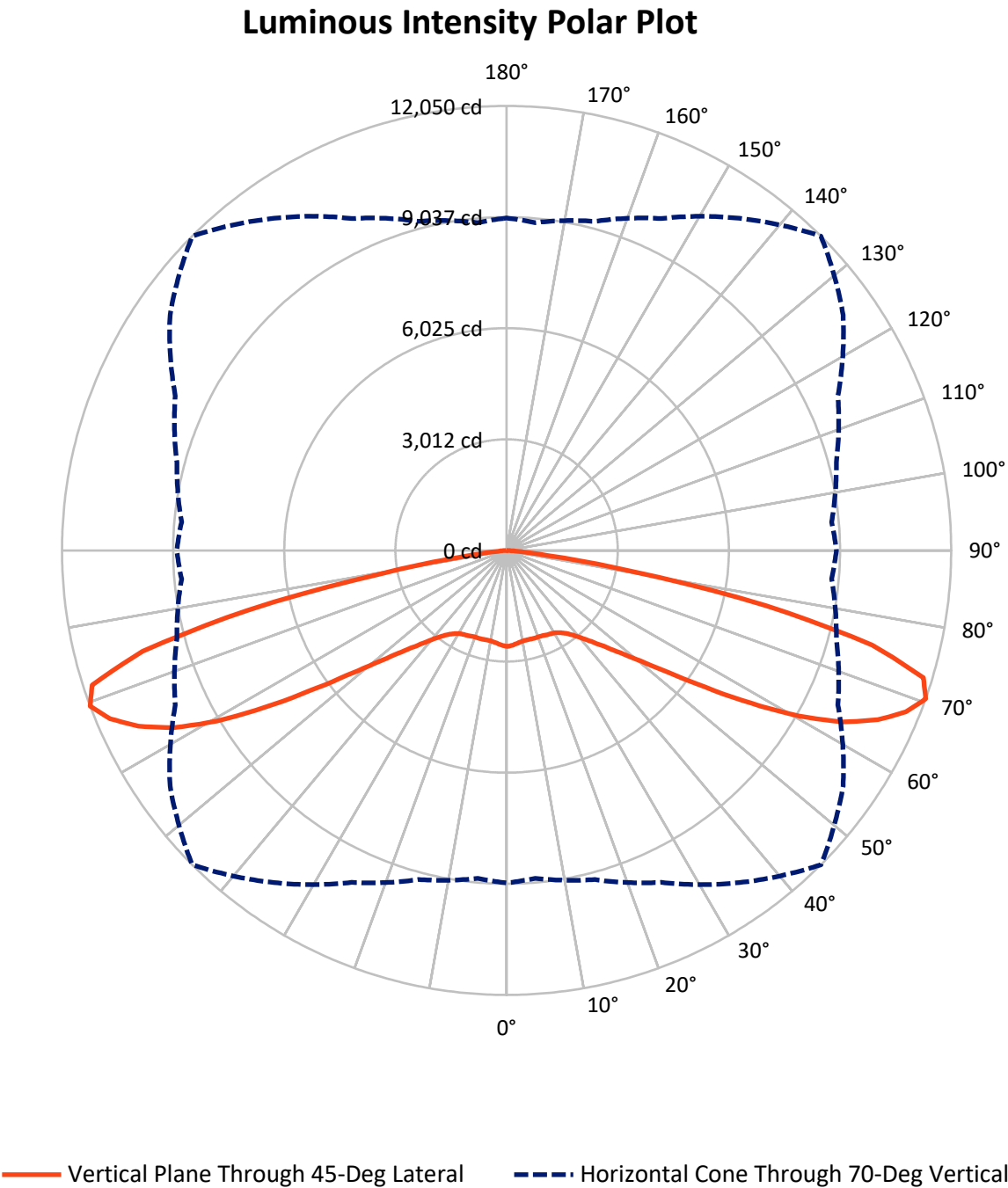
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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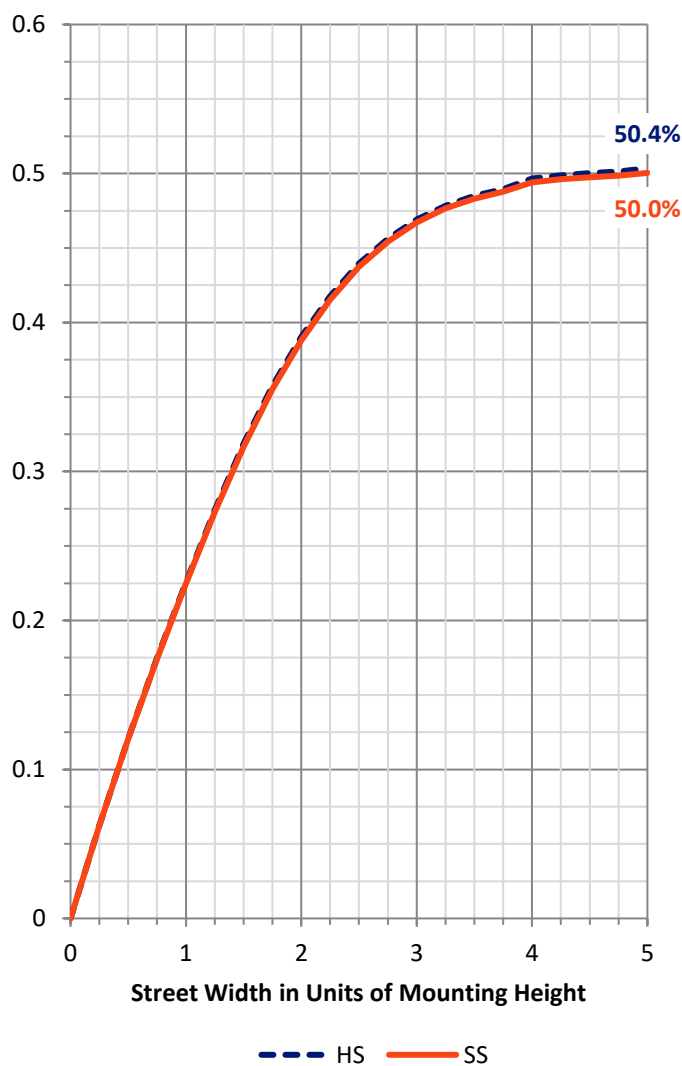
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14266.5	0.0	14266.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14266.5	0.0	14266.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28533.0	0.0	28533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	0.8
10°-20°	710.9	2.5
20°-30°	1183.1	4.1
30°-40°	1789.2	6.3
40°-50°	2973.2	10.4
50°-60°	5610.3	19.7
60°-70°	9473.2	33.2
70°-80°	6224.9	21.8
80°-90°	326.1	1.1
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°	28533.0	100.0
0°-180°	28533.0	100.0

Coefficient of Utilization



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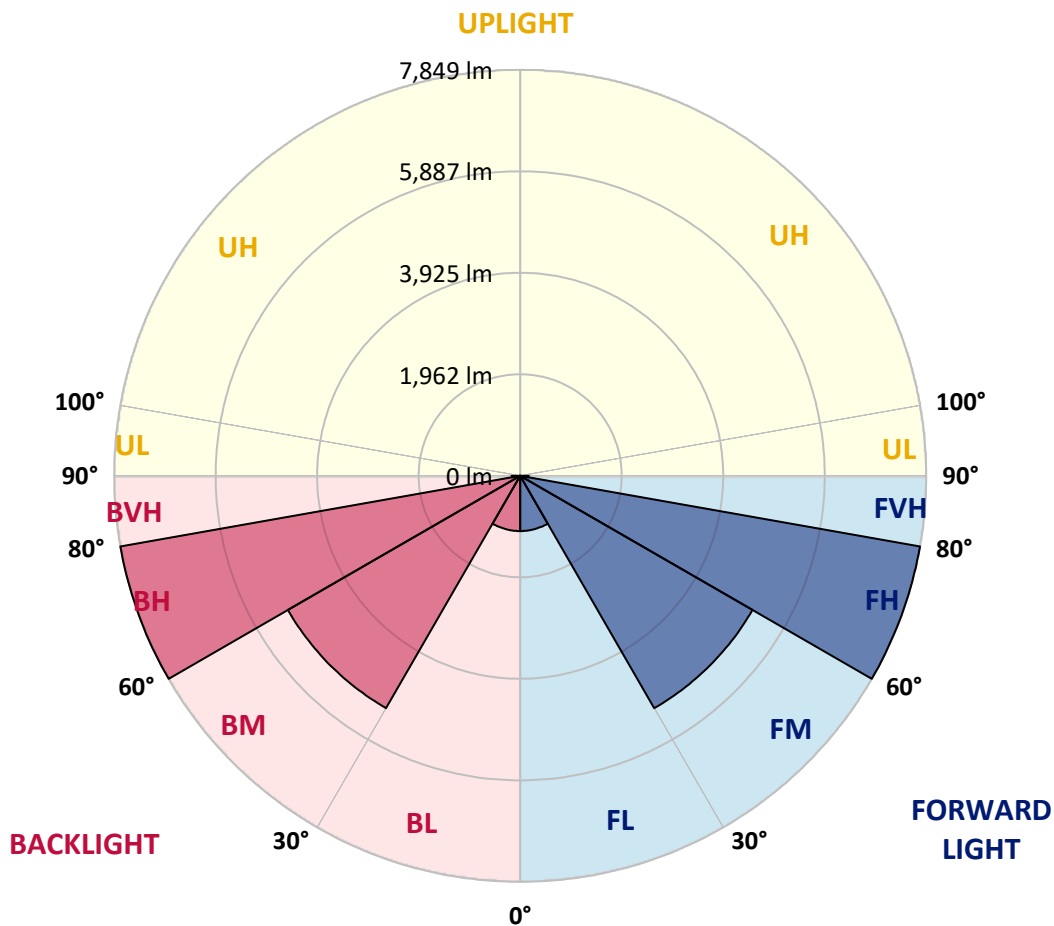
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1068.1	3.7			
FM	(30°-60°)	5186.3	18.2			
FH	(60°-80°)	7849.0	27.5			G4/12000
FVH	(80°-90°)	163.1	0.6			G2/225
BL	(0°-30°)	1068.1	3.7	B3/2500		
BM	(30°-60°)	5186.3	18.2	B4/8500		
BH	(60°-80°)	7849.0	27.5	B5		G4/12000
BVH	(80°-90°)	163.1	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8
2.5°	2586.5	2593.9	2590.9	2585.0	2585.0	2580.5	2585.0	2588.0	2592.4	2595.4	2593.9
5°	2552.4	2558.3	2556.8	2552.4	2553.8	2549.4	2552.4	2556.8	2559.8	2561.3	2561.3
7.5°	2522.7	2528.6	2525.7	2518.2	2518.2	2513.8	2515.3	2519.7	2524.2	2525.7	2525.7
10°	2515.3	2521.2	2512.3	2500.5	2496.0	2490.1	2491.6	2496.0	2504.9	2509.4	2509.4
12.5°	2518.2	2522.7	2513.8	2496.0	2491.6	2485.6	2485.6	2490.1	2501.9	2507.9	2509.4
15°	2527.1	2531.6	2518.2	2499.0	2494.5	2490.1	2488.6	2494.5	2507.9	2518.2	2519.7
17.5°	2543.5	2547.9	2527.1	2500.5	2494.5	2496.0	2494.5	2499.0	2519.7	2539.0	2539.0
20°	2558.3	2561.3	2533.1	2500.5	2494.5	2496.0	2494.5	2503.4	2530.1	2556.8	2558.3
22.5°	2562.7	2565.7	2539.0	2510.8	2506.4	2507.9	2506.4	2515.3	2540.5	2567.2	2567.2
25°	2564.2	2568.7	2547.9	2525.7	2533.1	2536.0	2533.1	2534.6	2553.8	2577.6	2576.1
27.5°	2586.5	2592.4	2573.1	2553.8	2558.3	2556.8	2561.3	2565.7	2580.5	2604.3	2598.3
30°	2632.4	2636.9	2620.6	2601.3	2598.3	2588.0	2601.3	2616.1	2632.4	2653.2	2648.8
32.5°	2708.1	2717.0	2696.2	2675.5	2662.1	2656.2	2666.6	2691.8	2714.0	2736.3	2727.4
35°	2834.1	2840.1	2820.8	2782.2	2758.5	2758.5	2767.4	2800.0	2835.6	2863.8	2853.4
37.5°	3012.1	3019.5	2985.4	2939.4	2903.8	2903.8	2915.7	2949.8	3003.2	3043.3	3028.4
40°	3228.6	3239.0	3196.0	3148.6	3114.4	3108.5	3123.3	3161.9	3212.3	3262.7	3246.4
42.5°	3489.7	3501.5	3445.2	3403.6	3376.9	3376.9	3384.4	3420.0	3465.9	3528.2	3523.8
45°	3823.3	3844.1	3767.0	3725.5	3700.3	3706.2	3710.6	3741.8	3783.3	3854.5	3851.5
47.5°	4220.8	4241.6	4160.0	4117.0	4112.5	4140.7	4122.9	4145.2	4167.4	4249.0	4225.3
50°	4671.7	4707.3	4650.9	4647.9	4656.8	4708.7	4667.2	4679.1	4653.9	4705.8	4674.6
52.5°	5223.4	5275.3	5264.9	5282.7	5382.1	5488.8	5393.9	5352.4	5257.5	5273.8	5218.9
55°	5892.2	5970.8	5985.7	6092.4	6317.9	6535.9	6334.2	6166.6	5964.9	5927.8	5870.0
57.5°	6653.0	6715.3	6786.5	7004.5	7425.7	7812.8	7425.7	7055.0	6737.6	6661.9	6608.6
60°	7471.7	7548.8	7617.0	7938.9	8564.7	9109.0	8552.9	7964.1	7544.4	7442.0	7353.1
62.5°	8351.2	8450.5	8498.0	8855.4	9585.1	10234.7	9595.4	8882.1	8416.4	8306.7	8217.7
65°	9195.0	9276.6	9330.0	9711.1	10408.2	11059.2	10455.6	9752.7	9273.6	9129.8	9058.6
67.5°	9588.0	9632.5	9763.0	10194.6	10930.2	11673.2	11054.8	10240.6	9705.2	9453.1	9456.0
70°	9012.6	8922.1	9236.5	9927.7	10992.5	12049.9	11134.9	9906.9	9251.4	8842.1	8939.9
72.5°	6964.5	6808.8	7354.5	8536.5	10280.6	11809.7	10351.8	8603.3	7694.2	6863.6	7069.8
75°	3789.2	3612.8	4366.2	5861.1	8198.4	10236.1	8386.7	6028.7	4861.5	3761.1	4005.8
77.5°	1069.3	1002.6	1610.6	2835.6	4931.2	7186.9	5121.0	2897.9	1910.2	1133.1	1259.1
80°	327.8	317.4	430.1	854.2	2094.1	3442.2	2012.5	864.6	547.3	345.6	364.8
82.5°	194.3	178.0	213.6	311.4	533.9	1081.2	519.1	324.8	261.0	175.0	189.8
85°	111.2	103.8	126.1	151.3	179.5	229.9	149.8	154.2	139.4	93.4	97.9
87.5°	46.0	41.5	48.9	47.5	41.5	53.4	40.0	47.5	56.4	37.1	34.1
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)