

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: P943120

Luminaire Tested: **GALN-SB7B-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943120
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-SB7B-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28179 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

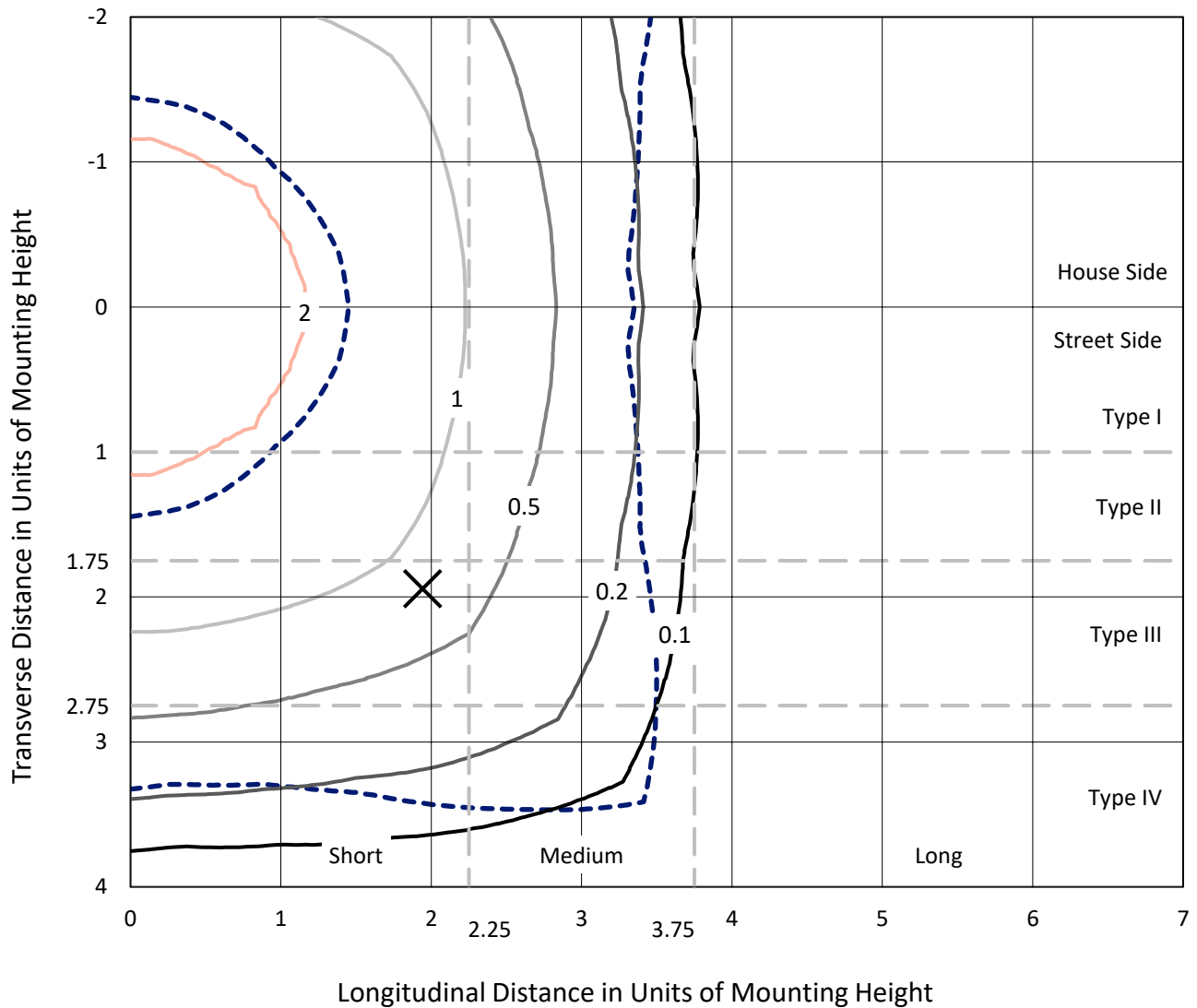
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

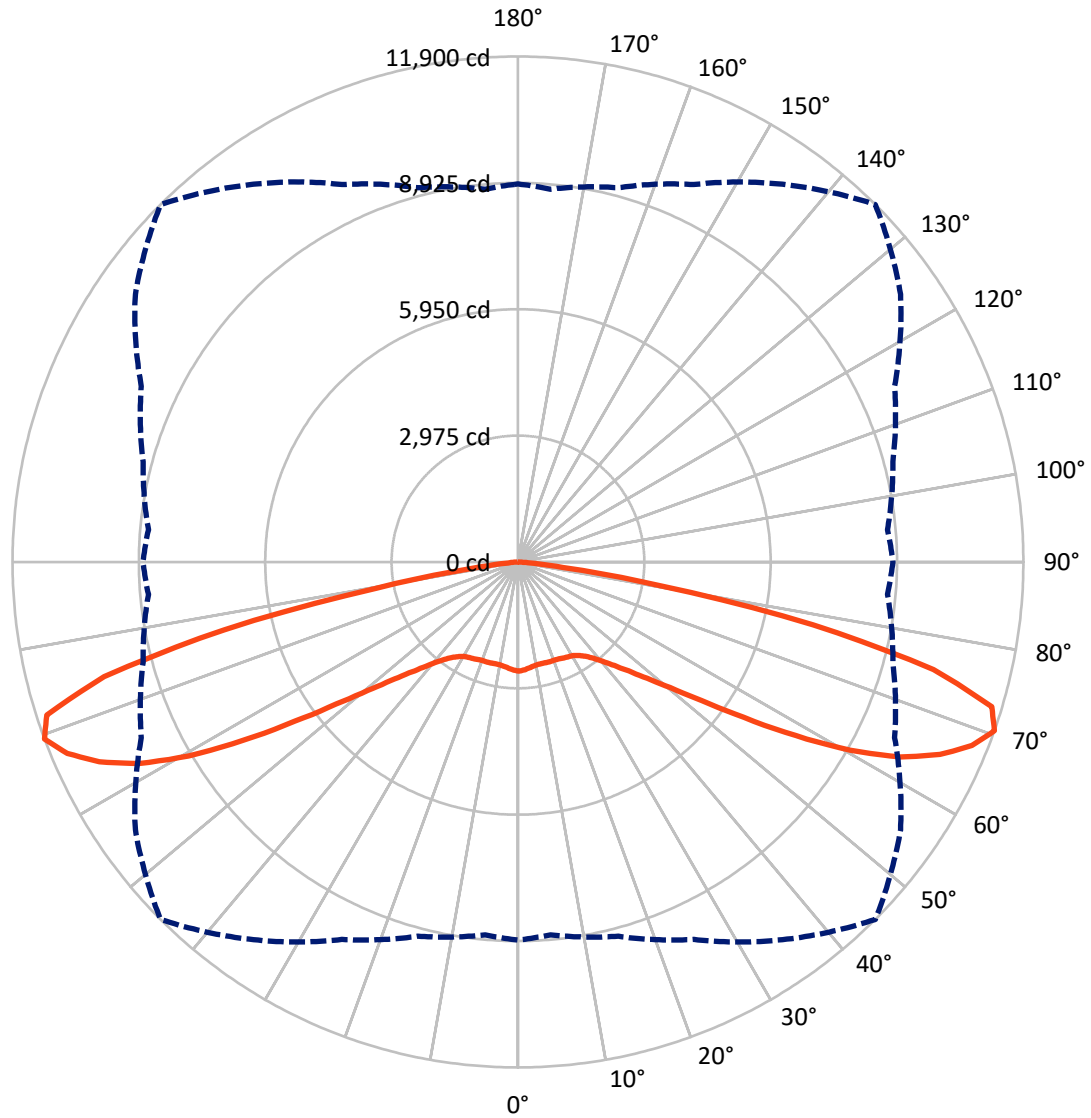
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14089.5	0.0	14089.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14089.5	0.0	14089.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28179.0	0.0	28179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	0.8
10°-20°	702.1	2.5
20°-30°	1168.4	4.1
30°-40°	1767.0	6.3
40°-50°	2936.3	10.4
50°-60°	5540.7	19.7
60°-70°	9355.7	33.2
70°-80°	6147.7	21.8
80°-90°	322.1	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°	28179.0	100.0
0°-180°	28179.0	100.0

Coefficient of Utilization



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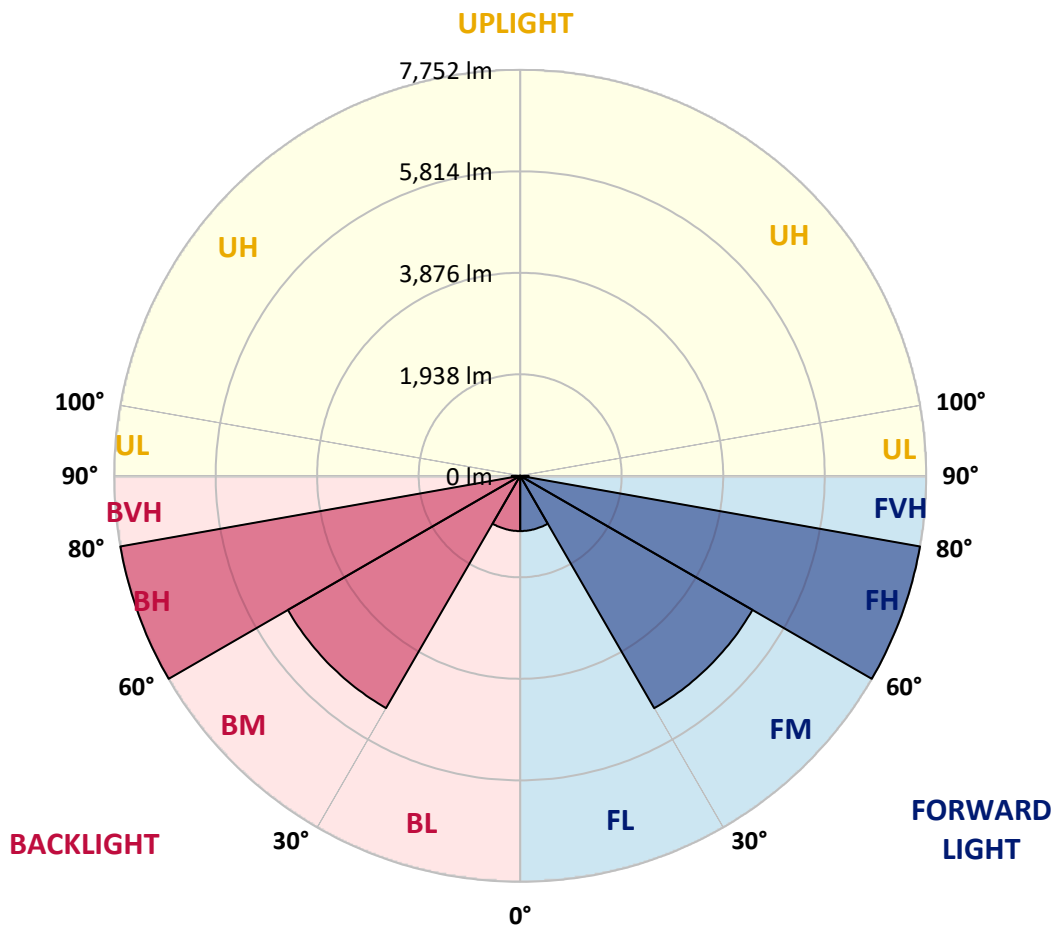
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.8	3.7			
FM (30°-60°)	5122.0	18.2			
FH (60°-80°)	7751.7	27.5			G4/12000
FVH (80°-90°)	161.0	0.6			G2/225
BL (0°-30°)	1054.8	3.7	B3/2500		
BM (30°-60°)	5122.0	18.2	B4/8500		
BH (60°-80°)	7751.7	27.5	B5		G4/12000
BVH (80°-90°)	161.0	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°
0°	2570.5	2570.5	2570.5	2570.5	2570.5	2570.5	2570.5	2570.5	2570.5	2570.5
2.5°	2554.4	2561.7	2558.8	2552.9	2552.9	2548.5	2552.9	2555.8	2560.2	2563.2
5°	2520.7	2526.6	2525.1	2520.7	2522.2	2517.8	2520.7	2525.1	2528.0	2529.5
7.5°	2491.4	2497.3	2494.3	2487.0	2487.0	2482.6	2484.1	2488.5	2492.9	2494.3
10°	2484.1	2489.9	2481.1	2469.4	2465.0	2459.2	2460.6	2465.0	2473.8	2478.2
12.5°	2487.0	2491.4	2482.6	2465.0	2460.6	2454.8	2454.8	2459.2	2470.9	2476.8
15°	2495.8	2500.2	2487.0	2468.0	2463.6	2459.2	2457.7	2463.6	2476.8	2487.0
17.5°	2511.9	2516.3	2495.8	2469.4	2463.6	2465.0	2463.6	2468.0	2488.5	2507.5
20°	2526.6	2529.5	2501.7	2469.4	2463.6	2465.0	2463.6	2472.4	2498.7	2525.1
22.5°	2530.9	2533.9	2507.5	2479.7	2475.3	2476.8	2475.3	2484.1	2509.0	2535.3
25°	2532.4	2536.8	2516.3	2494.3	2501.7	2504.6	2501.7	2503.1	2522.2	2545.6
27.5°	2554.4	2560.2	2541.2	2522.2	2526.6	2525.1	2529.5	2533.9	2548.5	2572.0
30°	2599.8	2604.2	2588.1	2569.0	2566.1	2555.8	2569.0	2583.7	2599.8	2620.3
32.5°	2674.5	2683.3	2662.8	2642.3	2629.1	2623.2	2633.5	2658.4	2680.3	2702.3
35°	2799.0	2804.8	2785.8	2747.7	2724.3	2724.3	2733.1	2765.3	2800.4	2828.3
37.5°	2974.7	2982.1	2948.4	2903.0	2867.8	2867.8	2879.5	2913.2	2966.0	3005.5
40°	3188.6	3198.8	3156.4	3109.5	3075.8	3069.9	3084.6	3122.7	3172.5	3222.3
42.5°	3446.4	3458.1	3402.4	3361.4	3335.0	3335.0	3342.4	3377.5	3422.9	3484.4
45°	3775.9	3796.4	3720.3	3679.2	3654.3	3660.2	3664.6	3695.4	3736.4	3806.7
47.5°	4168.4	4189.0	4108.4	4065.9	4061.5	4089.4	4071.8	4093.7	4115.7	4196.3
50°	4613.7	4648.9	4593.2	4590.3	4599.1	4650.3	4609.3	4621.0	4596.1	4647.4
52.5°	5158.6	5209.8	5199.6	5217.1	5315.3	5420.7	5327.0	5286.0	5192.2	5208.4
55°	5819.1	5896.8	5911.4	6016.9	6239.5	6454.8	6255.6	6090.1	5890.9	5854.3
57.5°	6570.5	6632.0	6702.3	6917.6	7333.6	7715.9	7333.6	6967.4	6654.0	6579.3
60°	7379.0	7455.2	7522.5	7840.4	8458.5	8996.0	8446.7	7865.3	7450.8	7349.7
62.5°	8247.5	8345.7	8392.5	8745.5	9466.1	10107.7	9476.4	8771.9	8312.0	8203.6
65°	9080.9	9161.5	9214.2	9590.6	10279.0	10922.0	10325.9	9631.7	9158.6	9016.5
67.5°	9469.1	9513.0	9641.9	10068.1	10794.6	11528.4	10917.6	10113.5	9584.8	9335.8
70°	8900.8	8811.4	9122.0	9804.5	10856.1	11900.4	10996.7	9784.0	9136.6	8732.3
72.5°	6878.1	6724.3	7263.3	8430.6	10153.1	11663.2	10223.4	8496.5	7598.7	6778.5
75°	3742.2	3567.9	4312.0	5788.4	8096.7	10109.1	8282.7	5953.9	4801.2	3714.4
77.5°	1056.0	990.1	1590.6	2800.4	4870.0	7097.8	5057.5	2862.0	1886.5	1119.0
80°	323.7	313.4	424.8	843.6	2068.1	3399.5	1987.6	853.9	540.5	341.3
82.5°	191.9	175.8	210.9	307.6	527.3	1067.7	512.6	320.8	257.8	172.8
85°	109.9	102.5	124.5	149.4	177.2	227.0	147.9	152.3	137.7	92.3
87.5°	45.4	41.0	48.3	46.9	41.0	52.7	39.5	46.9	55.7	36.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2570.5
2561.7
2529.5
2494.3
2478.2
2478.2
2488.5
2507.5
2526.6
2535.3
2544.1
2566.1
2615.9
2693.5
2818.0
2990.9
3206.2
3480.1
3803.7
4172.8
4616.6
5154.2
5797.2
6526.6
7261.8
8115.7
8946.2
9338.7
8829.0
6982.1
3956.1
1243.5
360.3
187.5
96.7
33.7
0.0

OF REPORT)