

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: P953738

Luminaire Tested: **GALN-SB7A-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953738
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-SB7A-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22852 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

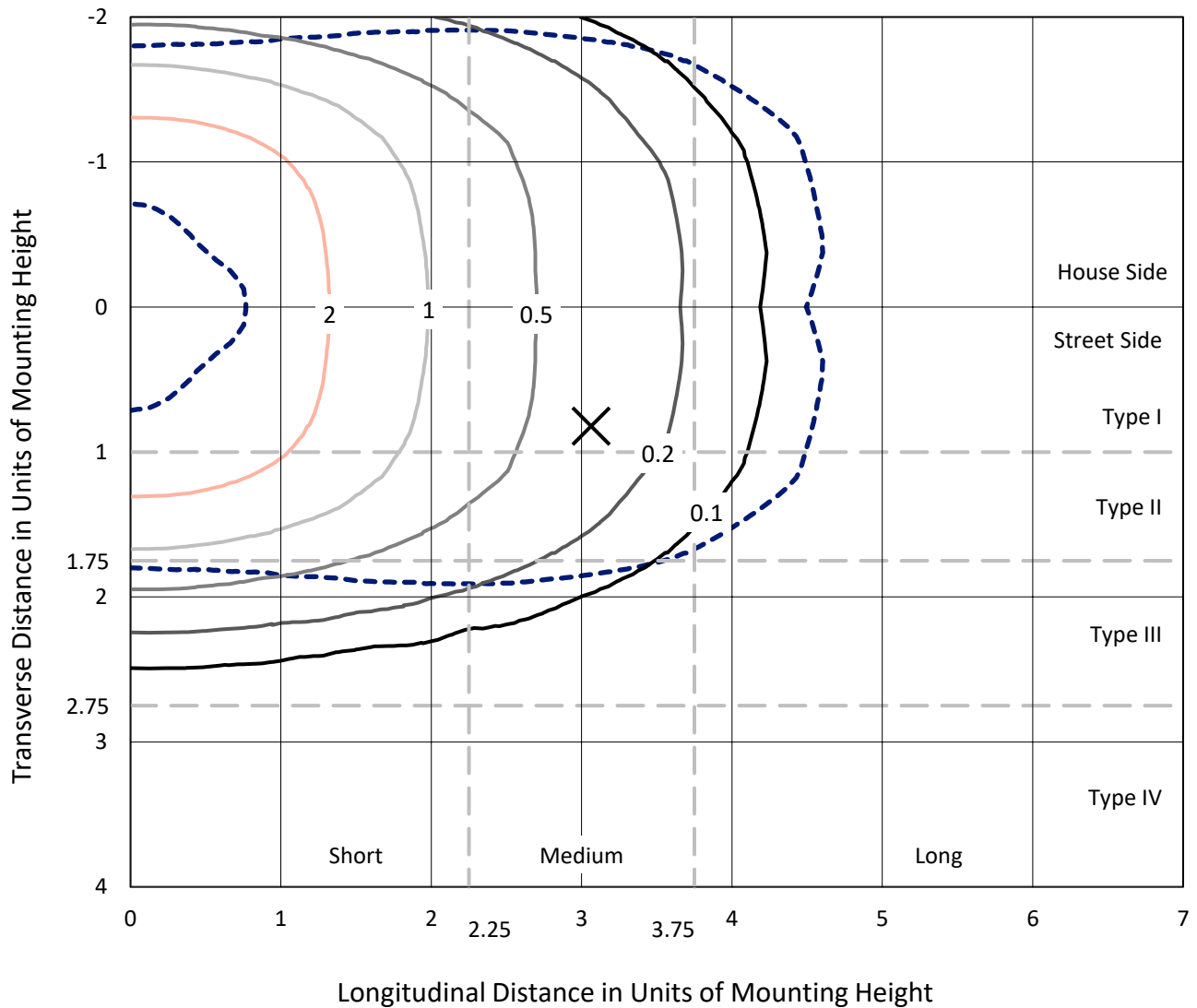
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953738
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Iso-Footcandle Lines of Horizontal Illumination

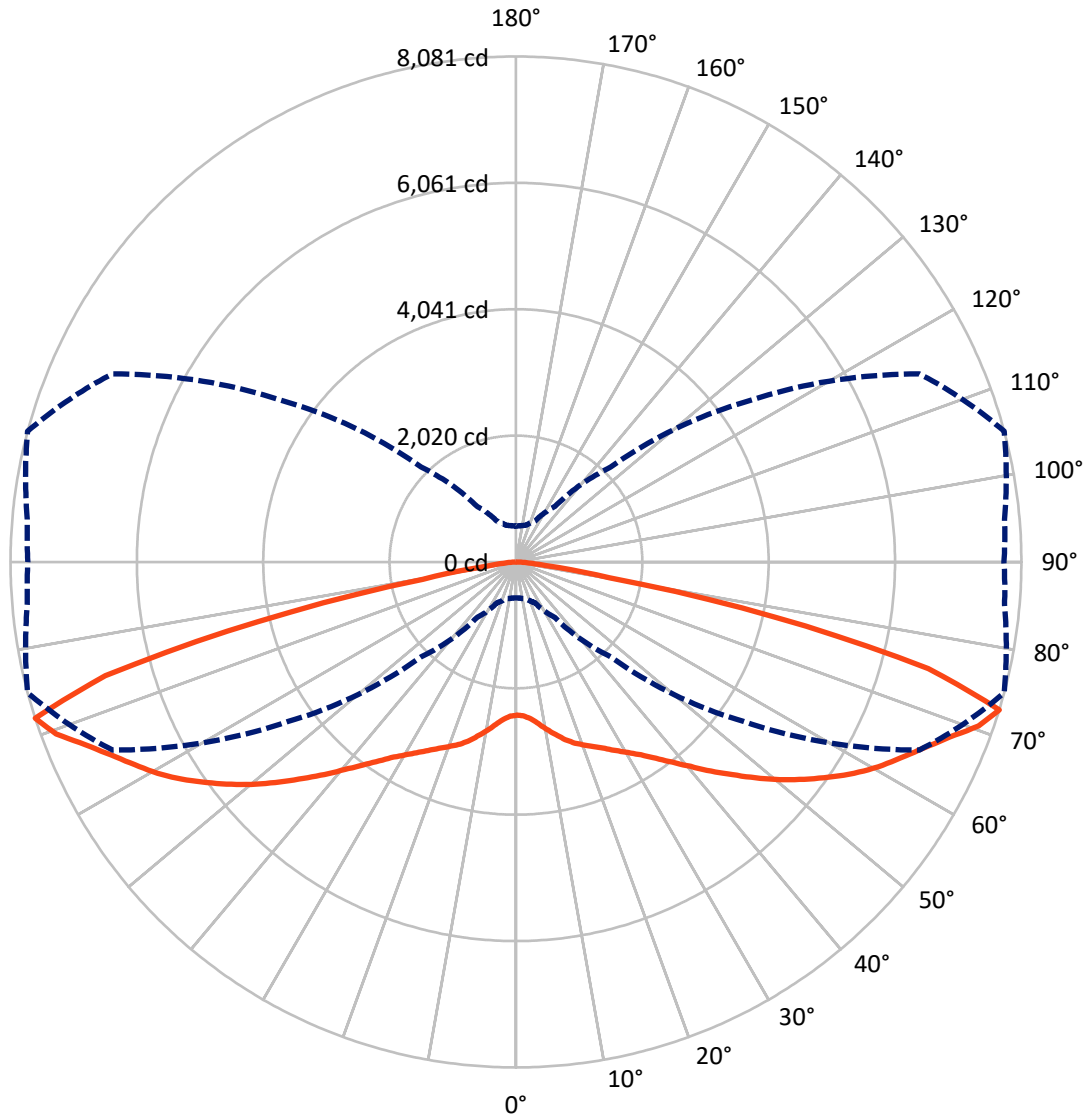
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P953738
CATALOG NUMBER: GALN-SB7A-950-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11426.0	0.0	11426.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11426.0	0.0	11426.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22852.0	0.0	22852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	1.0
10°-20°	790.9	3.5
20°-30°	1528.2	6.7
30°-40°	2580.4	11.3
40°-50°	4092.3	17.9
50°-60°	5479.1	24.0
60°-70°	5214.4	22.8
70°-80°	2720.9	11.9
80°-90°	206.0	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°	22852.0	100.0
0°-180°	22852.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953738

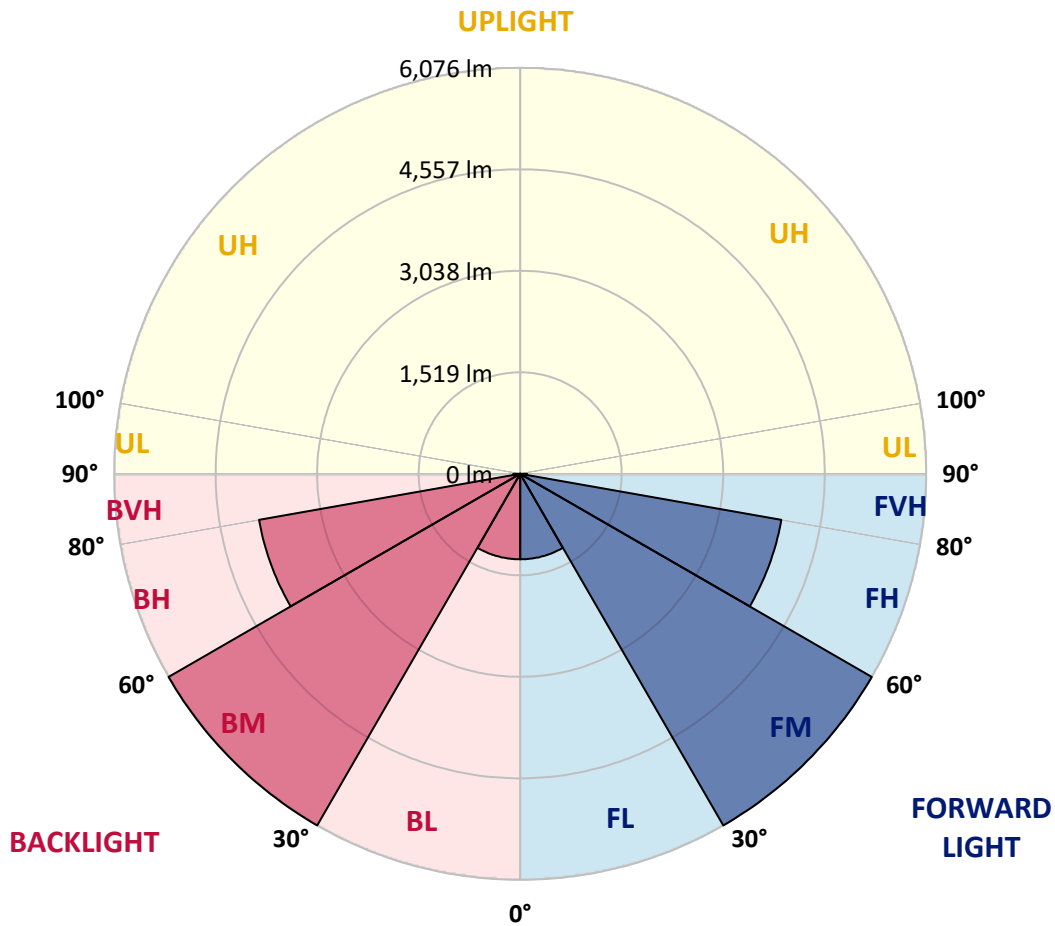
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1279.4	5.6			
FM (30°-60°)	6075.9	26.6			
FH (60°-80°)	3967.7	17.4			G2/5000
FVH (80°-90°)	103.0	0.5			G2/225
BL (0°-30°)	1279.4	5.6	B3/2500		
BM (30°-60°)	6075.9	26.6	B4/8500		
BH (60°-80°)	3967.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	103.0	0.5			G2/225
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



REPORT NUMBER: P953738

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9
2.5°	2447.9	2445.5	2447.9	2450.2	2449.0	2449.0	2454.9	2458.4	2465.4	2464.2
5°	2431.5	2430.4	2439.7	2450.2	2458.4	2472.4	2489.9	2502.7	2519.0	2522.5
7.5°	2423.4	2419.9	2436.2	2454.9	2480.5	2515.5	2549.4	2584.4	2612.4	2621.7
10°	2429.2	2430.4	2452.5	2487.5	2528.4	2577.4	2625.2	2684.7	2724.4	2733.7
12.5°	2456.0	2453.7	2491.0	2547.0	2603.0	2664.9	2720.9	2786.2	2829.4	2851.6
15°	2505.0	2500.4	2552.9	2635.7	2717.4	2789.7	2835.2	2897.1	2947.2	2975.2
17.5°	2563.4	2565.7	2634.5	2741.9	2849.2	2930.9	2974.1	3005.6	3044.1	3068.6
20°	2666.0	2670.7	2747.7	2874.9	2997.4	3090.7	3125.7	3114.1	3124.6	3143.2
22.5°	2803.7	2806.1	2892.4	3030.1	3158.4	3261.1	3284.4	3236.6	3207.4	3220.3
25°	2963.6	2978.7	3065.1	3206.3	3338.1	3436.1	3446.6	3374.3	3301.9	3305.4
27.5°	3158.4	3172.4	3259.9	3399.9	3534.1	3619.3	3618.1	3521.3	3415.1	3388.3
30°	3369.6	3384.8	3474.6	3619.3	3744.1	3818.8	3802.5	3687.0	3535.3	3485.1
32.5°	3620.5	3629.8	3720.8	3865.5	3981.0	4040.5	4006.6	3864.3	3675.3	3618.1
35°	3923.8	3937.8	4005.5	4142.0	4243.5	4292.5	4235.3	4067.3	3855.0	3790.8
37.5°	4270.3	4261.0	4338.0	4459.3	4543.4	4573.7	4495.5	4296.0	4060.3	3984.5
40°	4632.0	4627.4	4711.4	4828.0	4873.5	4892.2	4776.7	4558.5	4297.2	4215.5
42.5°	4959.9	4956.4	5069.6	5199.1	5253.9	5232.9	5087.1	4837.4	4571.4	4478.0
45°	5222.4	5217.7	5356.6	5538.6	5645.9	5610.9	5414.9	5145.4	4849.0	4752.2
47.5°	5424.3	5426.6	5575.9	5801.1	5989.0	6001.8	5749.8	5459.3	5154.7	5045.1
50°	5570.1	5577.1	5736.9	5986.6	6243.3	6356.5	6091.6	5781.3	5470.9	5347.3
52.5°	5606.3	5619.1	5811.6	6104.5	6406.7	6622.5	6439.3	6090.5	5770.8	5652.9
55°	5413.8	5439.4	5683.3	6095.1	6507.0	6797.5	6745.0	6404.3	6073.0	5951.6
57.5°	4971.6	5007.7	5292.4	5830.3	6484.8	6917.7	6981.9	6705.4	6375.2	6258.5
60°	4352.0	4395.2	4668.2	5255.1	6172.1	6962.0	7148.7	6998.2	6652.9	6539.7
62.5°	3417.4	3473.4	3800.1	4488.5	5511.8	6755.5	7291.1	7263.1	6902.5	6761.4
65°	2192.3	2251.8	2596.0	3409.3	4630.9	6123.1	7335.4	7520.9	7166.2	6969.0
67.5°	1321.9	1348.8	1519.1	2066.3	3384.8	5169.9	6959.7	7806.8	7474.3	7229.2
70°	845.9	861.1	962.6	1213.4	1913.5	3772.1	6028.6	7860.4	7847.6	7496.4
72.5°	574.0	578.7	605.5	718.7	1082.8	2143.3	4446.5	7116.1	8081.0	7840.6
75°	420.0	445.7	488.9	508.7	614.9	1071.1	2548.2	4999.6	6810.4	6915.4
77.5°	312.7	313.9	373.4	396.7	438.7	570.5	1078.1	2790.9	4228.3	4439.5
80°	264.9	250.9	249.7	319.7	330.2	355.9	481.9	963.7	1514.5	918.2
82.5°	220.5	205.3	185.5	249.7	225.2	218.2	208.8	392.0	481.9	236.9
85°	154.0	147.0	140.0	163.3	128.3	109.7	100.3	183.2	203.0	100.3
87.5°	66.5	68.8	70.0	72.3	53.7	38.5	38.5	51.3	51.3	39.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2447.9
2463.0
2522.5
2624.0
2743.0
2860.9
2985.7
3080.2
3157.2
3229.6
3311.3
3396.4
3490.9
3632.1
3800.1
3998.5
4242.3
4501.4
4774.4
5077.7
5384.6
5683.3
5985.5
6285.3
6564.2
6777.7
6993.5
7247.9
7494.1
7803.3
6661.0
3960.0
694.2
201.8
88.7
29.2
0.0

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