

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: P950165

Luminaire Tested: **GALN-SB4C-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4C-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21880 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

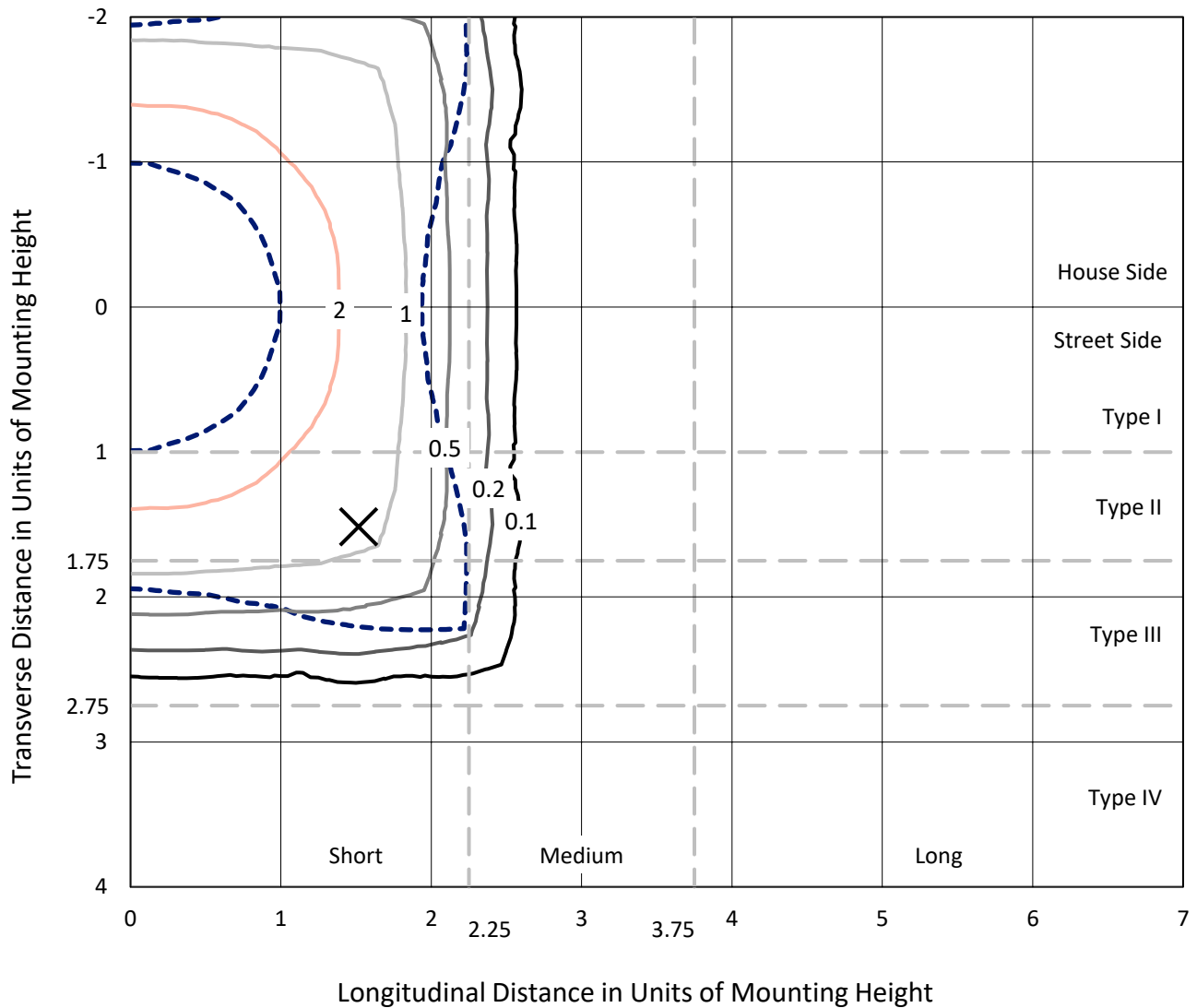
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

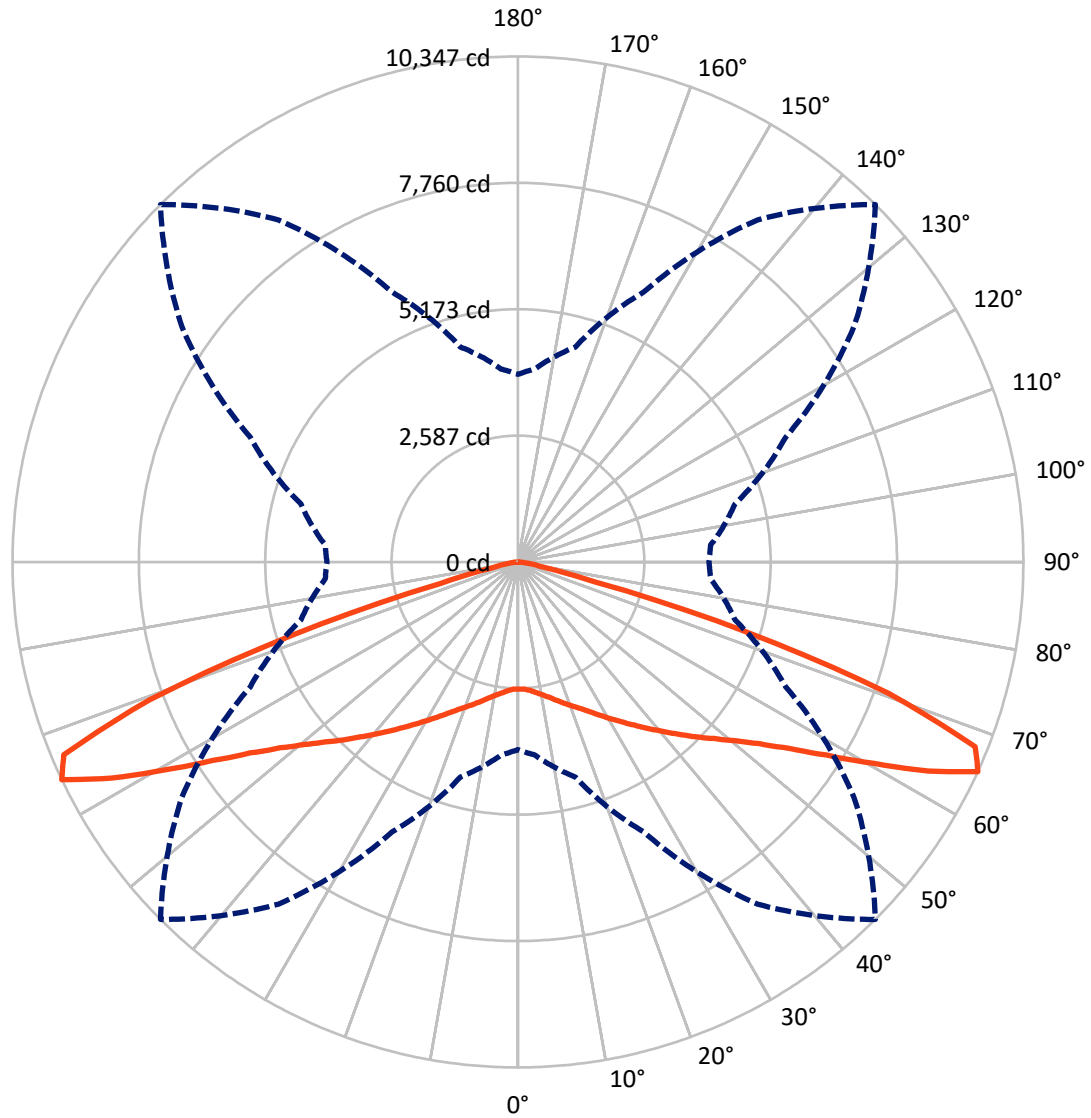
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10940.0	0.0	10940.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10940.0	0.0	10940.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21880.0	0.0	21880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	1.2
10°-20°	838.6	3.8
20°-30°	1583.3	7.2
30°-40°	2592.6	11.8
40°-50°	4019.8	18.4
50°-60°	5938.1	27.1
60°-70°	5652.5	25.8
70°-80°	912.1	4.2
80°-90°	86.0	0.4
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°	21880.0	100.0
0°-180°	21880.0	100.0

Coefficient of Utilization



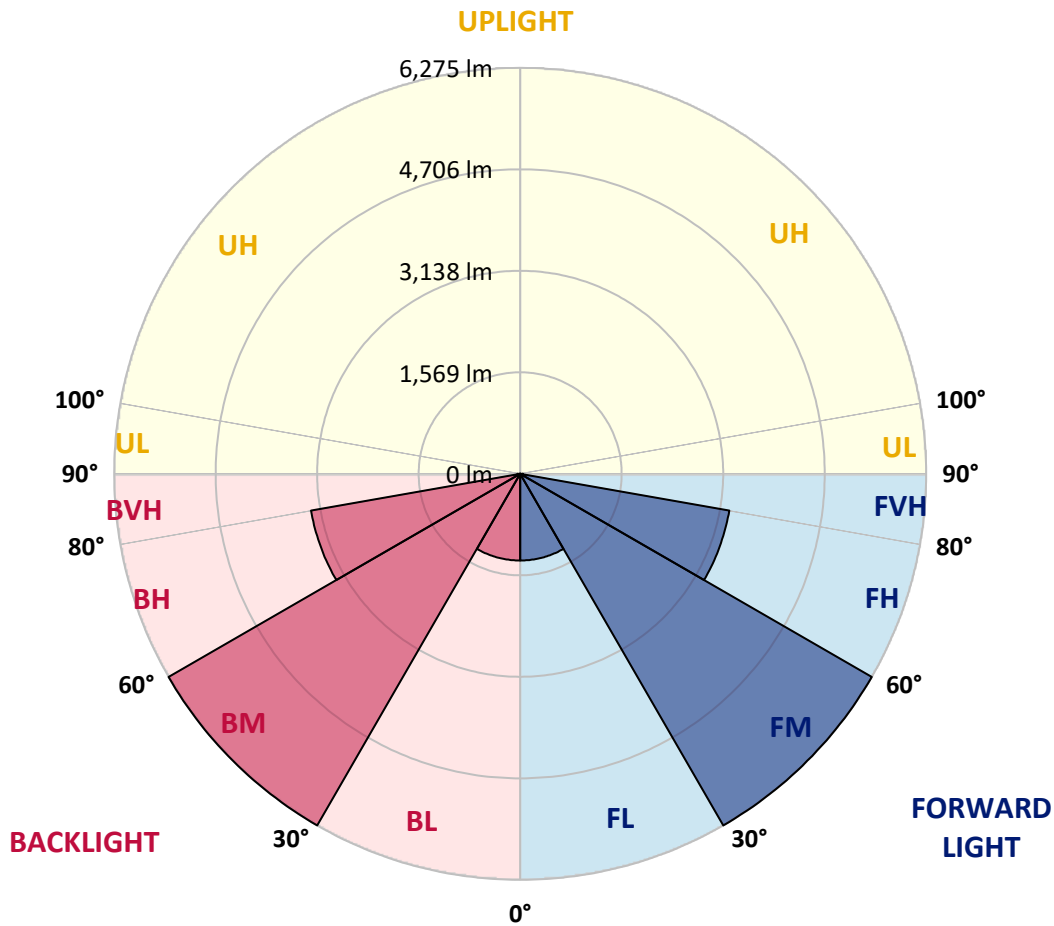
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1339.4	6.1			
FM (30°-60°)	6275.3	28.7			
FH (60°-80°)	3282.3	15.0			G2/5000
FVH (80°-90°)	43.0	0.2			G1/100
BL (0°-30°)	1339.4	6.1	B3/2500		
BM (30°-60°)	6275.3	28.7	B4/8500		
BH (60°-80°)	3282.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	43.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9	2603.9
2.5°	2621.5	2612.7	2619.3	2613.8	2609.4	2605.0	2607.2	2614.9	2618.2	2619.3
5°	2656.6	2648.9	2652.2	2652.2	2644.6	2642.4	2643.5	2648.9	2655.5	2655.5
7.5°	2713.7	2706.0	2713.7	2709.3	2702.7	2700.5	2699.4	2703.8	2713.7	2713.7
10°	2782.9	2774.1	2778.5	2776.3	2768.6	2765.3	2764.2	2770.8	2779.6	2778.5
12.5°	2858.6	2848.7	2854.2	2847.6	2845.5	2842.2	2842.2	2841.1	2846.5	2842.2
15°	2943.2	2936.6	2938.8	2934.4	2937.7	2935.5	2926.7	2922.3	2924.5	2917.9
17.5°	3043.1	3027.7	3035.4	3033.2	3033.2	3037.6	3023.3	3017.8	3022.2	3015.6
20°	3158.3	3142.9	3146.2	3141.9	3136.4	3140.8	3123.2	3127.6	3130.9	3126.5
22.5°	3284.6	3264.8	3263.7	3265.9	3253.8	3254.9	3242.8	3253.8	3260.4	3248.3
25°	3414.1	3393.2	3407.5	3402.0	3386.7	3390.0	3381.2	3392.1	3397.6	3382.3
27.5°	3551.3	3537.1	3550.2	3553.5	3534.9	3548.0	3534.9	3544.7	3550.2	3527.2
30°	3711.6	3697.3	3709.4	3718.2	3696.2	3717.1	3706.1	3712.7	3713.8	3686.4
32.5°	3886.1	3864.2	3894.9	3899.3	3875.2	3900.4	3886.1	3894.9	3900.4	3863.1
35°	4099.1	4071.7	4106.8	4101.3	4080.5	4101.3	4088.1	4101.3	4114.5	4069.5
37.5°	4328.6	4300.0	4337.3	4327.5	4307.7	4322.0	4314.3	4323.1	4343.9	4295.6
40°	4581.0	4545.9	4596.4	4578.8	4560.2	4558.0	4562.4	4567.9	4595.3	4541.5
42.5°	4851.1	4813.8	4889.5	4862.1	4835.7	4818.2	4832.4	4843.4	4869.8	4809.4
45°	5159.6	5116.8	5215.6	5182.6	5140.9	5104.7	5127.7	5144.2	5182.6	5110.2
47.5°	5499.9	5451.6	5557.0	5547.1	5479.0	5400.0	5452.7	5499.9	5528.4	5440.6
50°	5832.5	5795.2	5933.5	5945.6	5862.2	5751.3	5824.8	5896.2	5903.9	5788.6
52.5°	6144.3	6107.0	6307.9	6383.6	6309.0	6177.2	6255.2	6327.6	6269.4	6120.1
55°	6393.5	6362.7	6618.5	6813.9	6839.2	6730.5	6776.6	6774.4	6583.4	6354.0
57.5°	6453.9	6449.5	6772.2	7186.1	7449.5	7462.7	7371.6	7138.9	6727.2	6418.7
60°	6179.4	6206.9	6650.4	7380.4	8083.0	8375.0	7980.9	7316.7	6563.6	6135.5
62.5°	5358.3	5430.7	5965.3	7143.3	8594.5	9424.5	8469.4	7046.7	5891.8	5333.0
65°	3840.0	3966.3	4556.9	6096.0	8548.4	10346.6	8399.1	6046.6	4600.8	3956.4
67.5°	1742.2	1870.6	2372.3	4173.8	7430.9	10096.3	7413.3	4217.7	2490.9	1877.2
70°	631.2	653.2	814.6	1670.8	4749.0	8044.5	4952.1	1682.9	866.1	696.0
72.5°	382.0	385.3	419.4	598.3	1650.0	4884.0	1720.2	618.1	428.1	379.8
75°	242.6	240.4	298.6	365.6	585.1	1647.8	613.7	365.6	297.5	271.2
77.5°	174.5	180.0	214.1	273.3	368.9	558.8	362.3	261.3	214.1	175.6
80°	130.6	133.9	155.9	213.0	259.1	348.0	230.5	193.2	161.4	109.8
82.5°	94.4	94.4	102.1	154.8	158.1	187.7	125.1	136.1	106.5	77.9
85°	56.0	54.9	63.7	92.2	82.3	69.2	57.1	83.4	67.0	48.3
87.5°	19.8	20.9	19.8	26.3	22.0	18.7	17.6	23.1	18.7	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2603.9
2619.3
2655.5
2710.4
2776.3
2844.4
2919.0
3021.1
3136.4
3260.4
3399.8
3544.7
3702.8
3888.3
4096.9
4325.3
4559.1
4841.2
5147.5
5470.2
5802.9
6124.5
6361.6
6399.0
6085.0
5300.1
3909.2
1849.8
687.2
386.4
273.3
178.9
113.1
77.9
47.2
15.4
0.0

OF REPORT)