

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: P941243

Luminaire Tested: **GALN-SB4C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB4C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21516 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

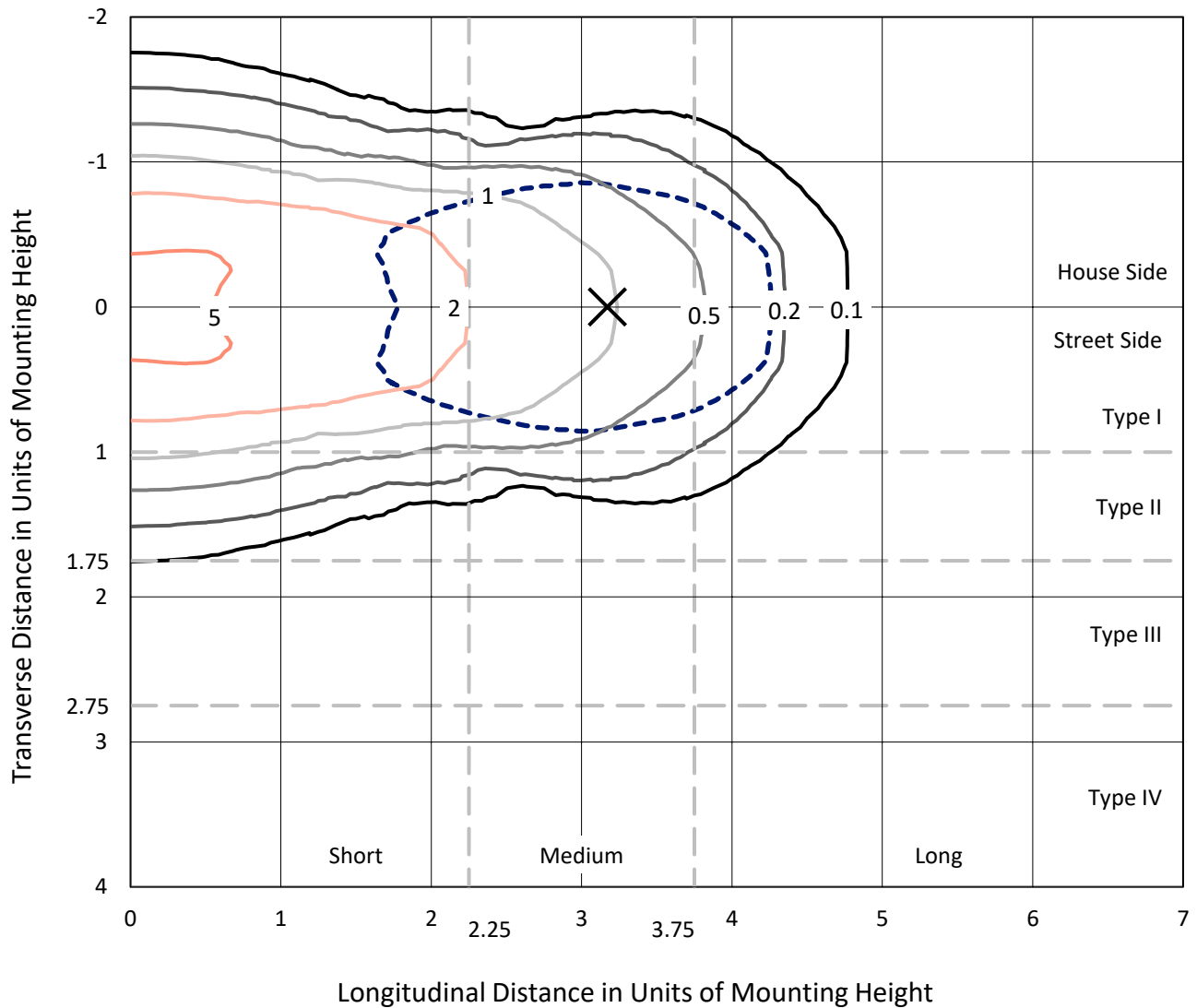
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

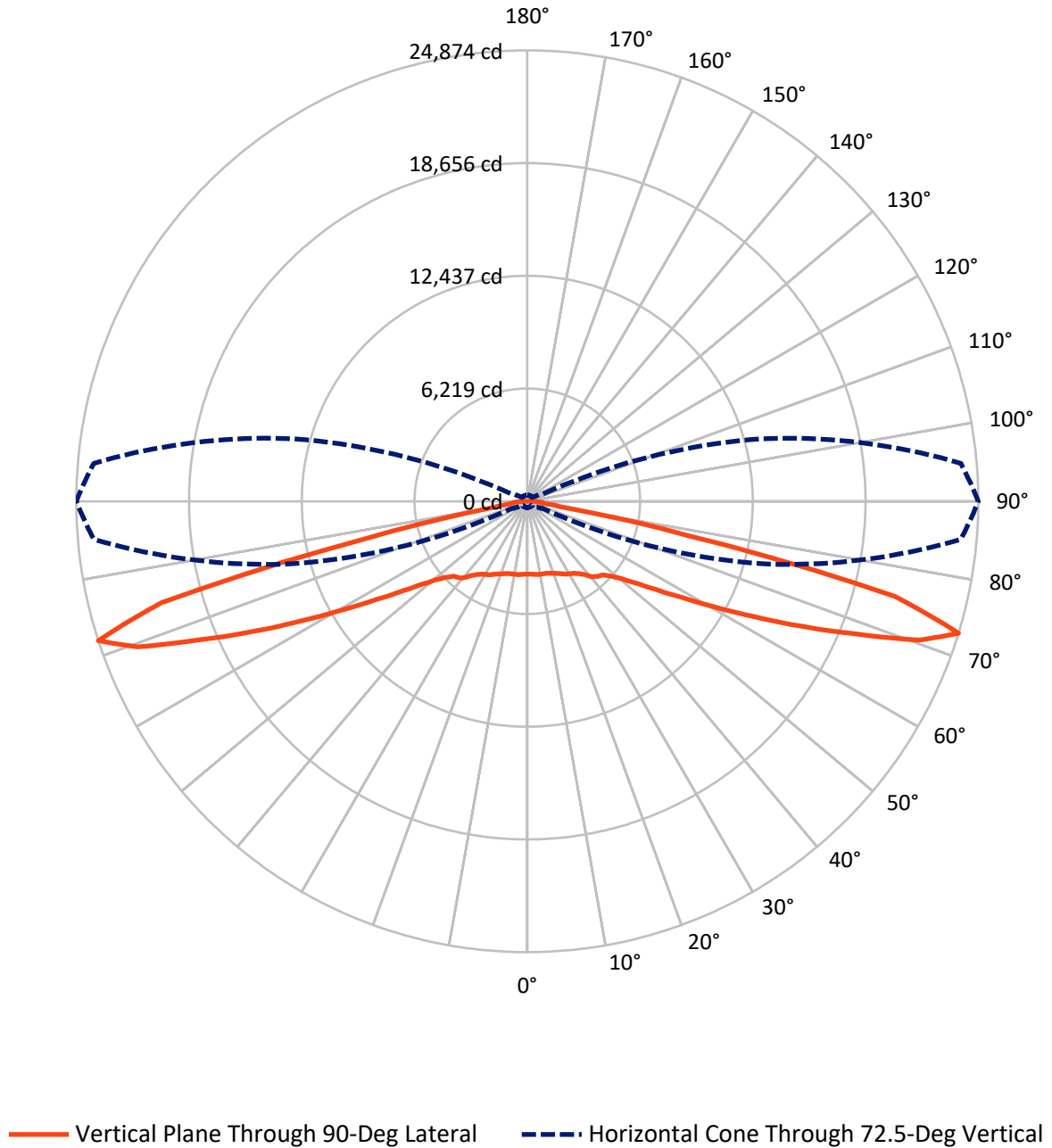
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10758.0	0.0	10758.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10758.0	0.0	10758.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21516.0	0.0	21516.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.8	1.8
10°-20°	1192.0	5.5
20°-30°	1987.5	9.2
30°-40°	2733.4	12.7
40°-50°	3338.2	15.5
50°-60°	3861.0	17.9
60°-70°	4603.6	21.4
70°-80°	3213.0	14.9
80°-90°	197.3	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°	21516.0	100.0
0°-180°	21516.0	100.0

Coefficient of Utilization



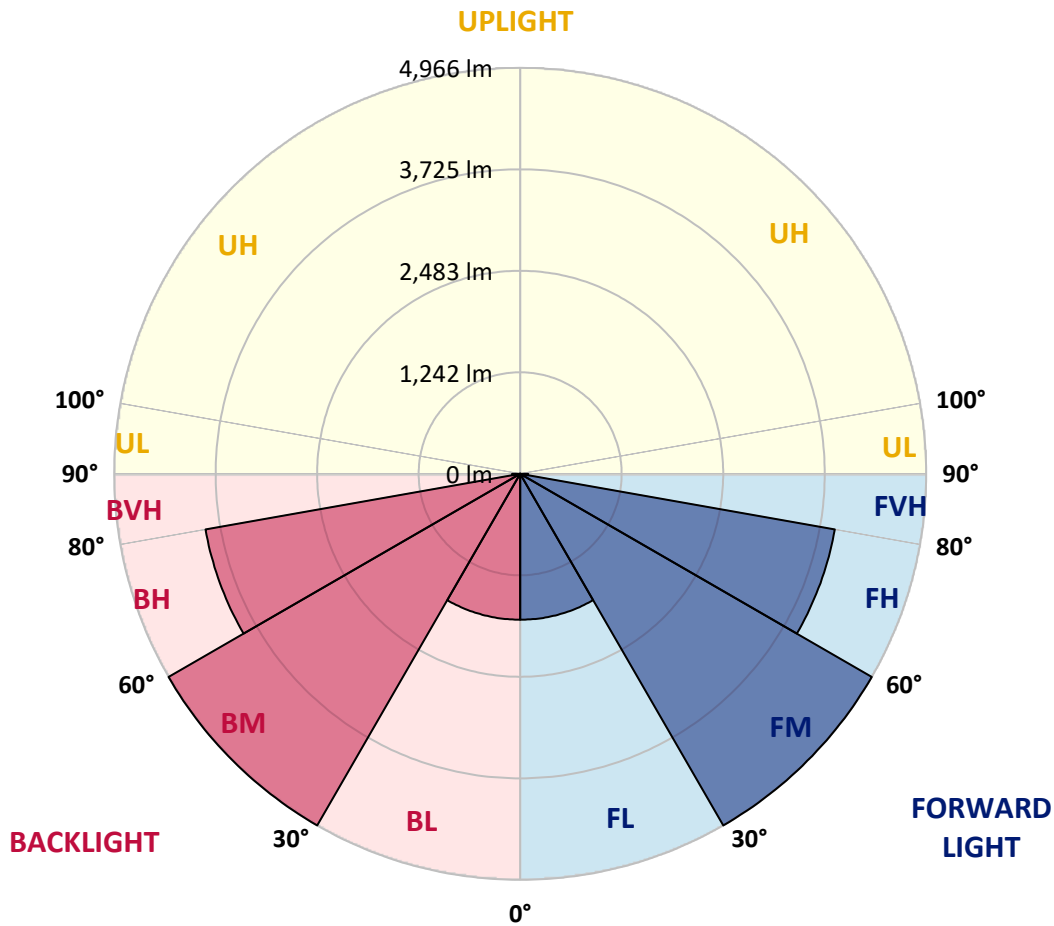
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.6	8.3			
FM (30°-60°)	4966.3	23.1			
FH (60°-80°)	3908.3	18.2			G2/5000
FVH (80°-90°)	98.7	0.5			G1/100
BL (0°-30°)	1784.6	8.3	B3/2500		
BM (30°-60°)	4966.3	23.1	B3/5000		
BH (60°-80°)	3908.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	98.7	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4020.5	4020.5	4020.5	4020.5	4020.5	4020.5	4020.5	4020.5	4020.5	4020.5
2.5°	4023.9	4028.5	4028.5	4025.1	4033.1	4026.2	4026.2	4022.8	4026.2	4022.8
5°	4044.5	4050.2	4052.5	4051.4	4061.7	4055.9	4055.9	4051.4	4052.5	4049.1
7.5°	4083.4	4091.4	4096.0	4101.7	4116.5	4109.7	4105.1	4091.4	4085.7	4076.5
10°	4096.0	4105.1	4120.0	4149.7	4184.0	4185.2	4171.4	4137.1	4110.8	4090.2
12.5°	4057.1	4069.7	4100.5	4161.1	4237.8	4268.6	4246.9	4189.7	4138.3	4101.7
15°	4007.9	4021.6	4068.5	4160.0	4273.2	4345.2	4343.0	4267.5	4185.2	4128.0
17.5°	3931.3	3945.0	4012.5	4140.6	4300.6	4419.6	4451.6	4373.8	4258.3	4181.7
20°	3792.9	3805.5	3899.3	4078.8	4309.8	4498.5	4581.9	4513.3	4369.3	4265.2
22.5°	3613.4	3632.9	3742.6	3972.5	4288.1	4580.8	4730.6	4683.7	4498.5	4354.4
25°	3421.3	3441.9	3570.0	3842.1	4232.0	4640.3	4906.7	4877.0	4644.8	4465.3
27.5°	3255.5	3277.2	3416.7	3712.9	4145.1	4663.1	5080.5	5095.4	4822.1	4587.7
30°	3125.1	3145.7	3294.4	3608.8	4033.1	4640.3	5232.6	5335.5	5002.7	4694.0
32.5°	2982.2	3008.5	3165.2	3481.9	3900.4	4585.4	5365.2	5595.1	5212.0	4808.4
35°	2801.5	2825.6	2990.2	3308.1	3726.6	4497.3	5476.1	5883.2	5511.6	4982.2
37.5°	2582.0	2604.9	2768.4	3090.8	3554.0	4373.8	5560.8	6208.0	5868.4	5232.6
40°	2361.3	2383.0	2536.2	2848.4	3347.0	4216.0	5590.5	6525.9	6277.7	5576.8
42.5°	2158.9	2178.3	2319.0	2609.4	3114.9	4014.8	5551.6	6802.6	6644.8	5816.9
45°	1972.5	1989.7	2114.3	2385.3	2873.6	3770.1	5435.0	7099.9	7081.6	5988.4
47.5°	1759.8	1777.0	1906.2	2168.0	2632.3	3483.1	5237.2	7392.6	7688.8	6377.2
50°	1500.3	1515.1	1647.8	1917.6	2381.9	3177.7	4962.7	7622.5	8454.9	6966.1
52.5°	1192.7	1208.7	1337.9	1607.7	2084.6	2849.6	4601.4	7772.3	9340.0	7826.0
55°	887.3	898.8	1010.8	1253.3	1716.4	2475.6	4148.6	7814.6	10344.0	9001.5
57.5°	643.8	650.6	722.7	903.4	1301.3	2008.0	3598.5	7704.8	11538.9	10508.6
60°	521.4	523.7	545.4	625.5	904.5	1479.7	2934.2	7327.4	12835.6	12451.4
62.5°	473.4	473.4	479.1	500.8	611.8	976.5	2130.3	6545.3	14226.1	14906.5
65°	440.2	440.2	442.5	452.8	482.6	622.1	1344.7	5271.5	15398.2	17782.3
67.5°	410.5	411.7	410.5	413.9	431.1	459.7	779.9	3640.9	16029.4	20762.2
70°	379.6	381.9	376.2	376.2	389.9	391.1	488.3	1996.5	15505.7	23259.6
72.5°	343.0	346.5	337.3	335.0	345.3	340.8	367.1	958.2	13312.4	24005.2
75°	311.0	315.6	295.0	289.3	289.3	285.9	298.4	491.7	8640.2	19582.2
77.5°	282.4	291.6	258.4	240.1	235.6	225.3	243.6	300.7	3779.2	9193.6
80°	233.3	245.8	212.7	191.0	183.0	171.5	192.1	210.4	1124.0	2134.9
82.5°	173.8	179.5	150.9	136.1	129.2	121.2	144.1	146.4	365.9	755.8
85°	110.9	113.2	92.6	80.0	76.6	73.2	91.5	80.0	139.5	555.7
87.5°	38.9	44.6	35.4	32.0	34.3	28.6	42.3	24.0	38.9	392.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4020.5
4022.8
4049.1
4076.5
4086.8
4096.0
4118.8
4169.1
4245.8
4328.1
4428.7
4548.8
4638.0
4737.5
4903.3
5127.4
5464.7
5672.8
5794.0
6153.1
6684.8
7479.5
8568.1
9963.2
11764.2
13986.0
16618.3
19505.6
22929.2
24874.2
20945.2
9002.7
2044.6
854.2
807.3
486.0
0.0

OF REPORT)