

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: P954365

Luminaire Tested: **GALN-SB7C-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954365
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-SB7C-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33972 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

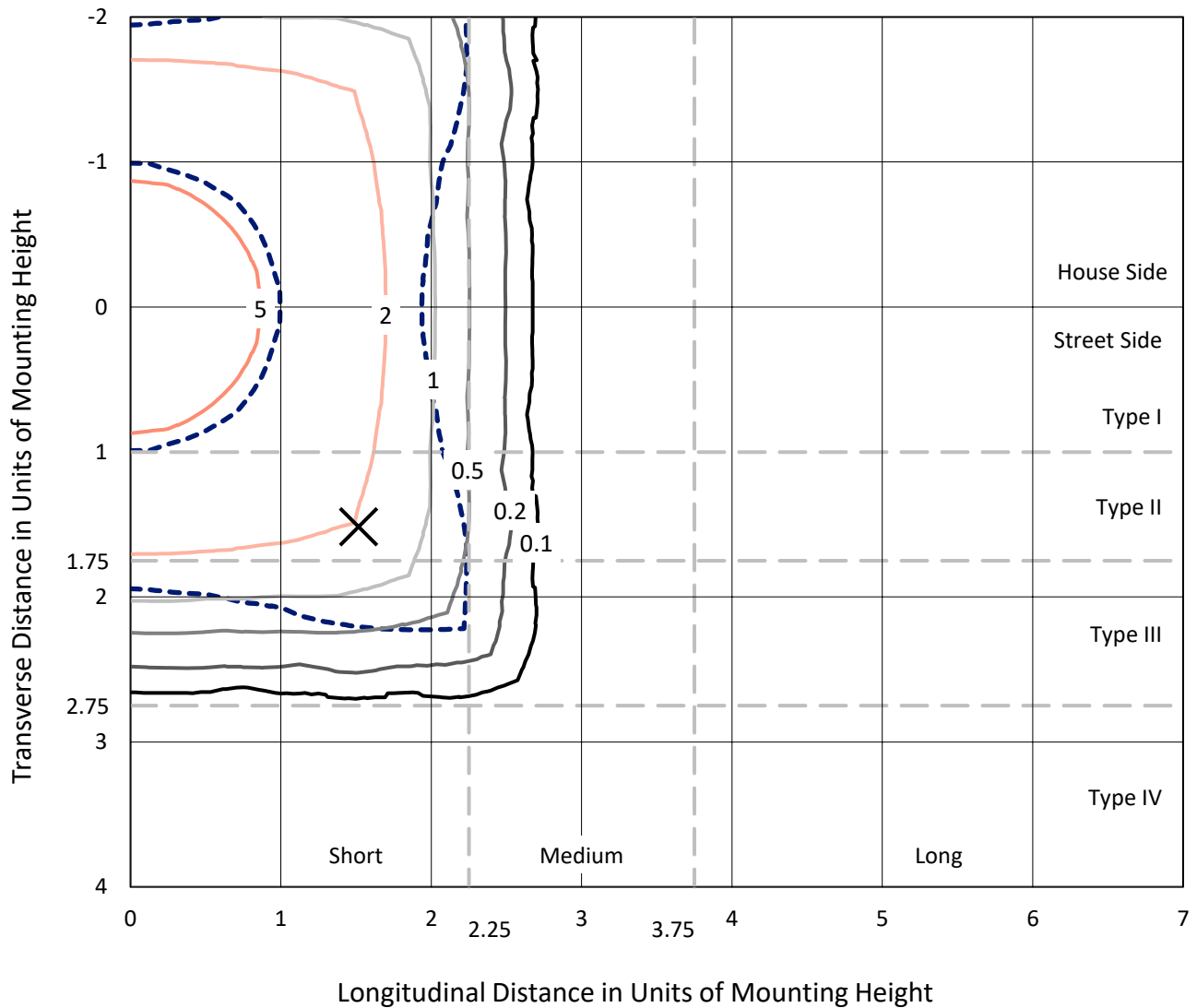
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

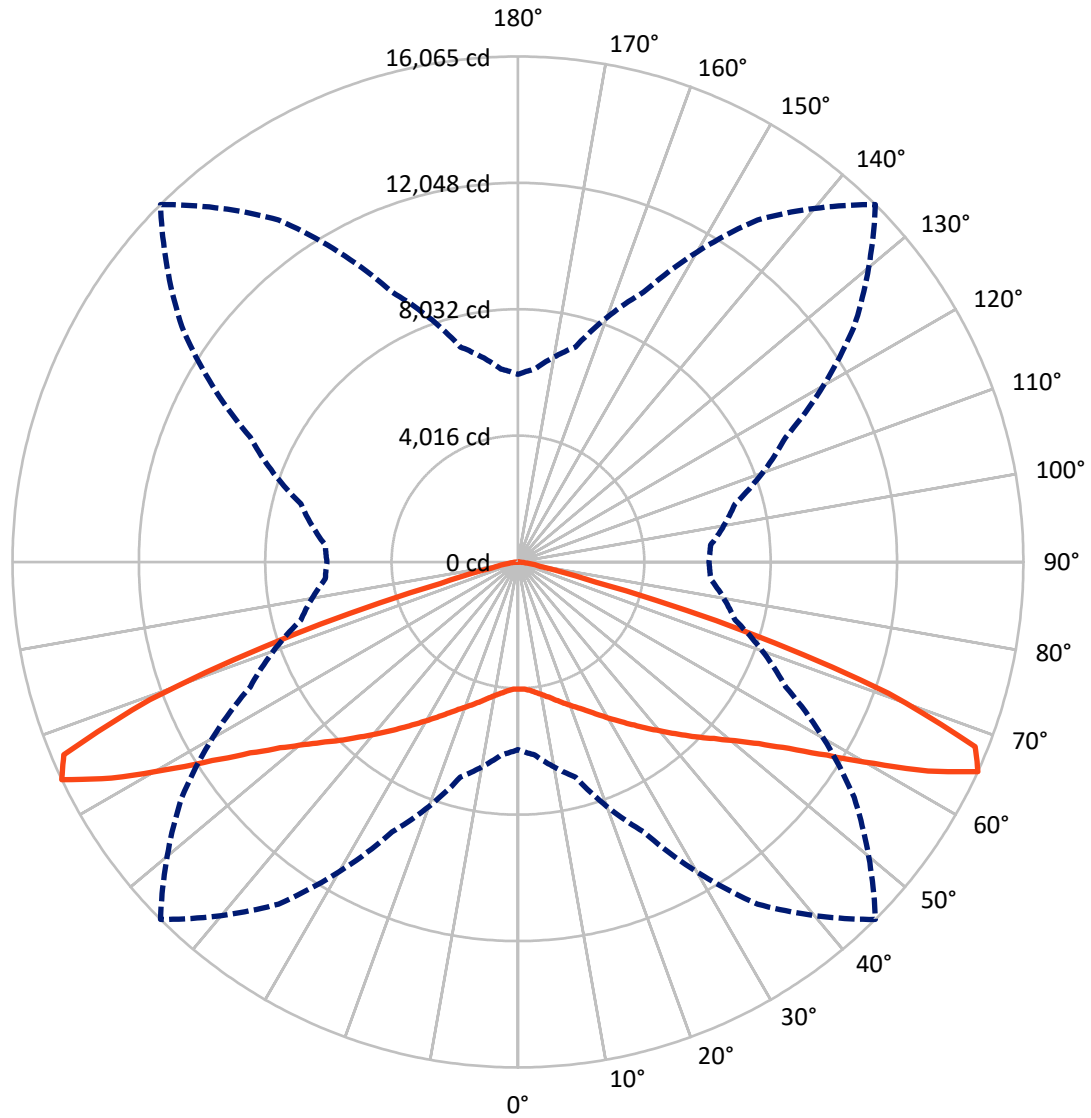
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	16986.0	0.0	16986.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16986.0	0.0	16986.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33972.0	0.0	33972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.0	1.2
10°-20°	1302.0	3.8
20°-30°	2458.3	7.2
30°-40°	4025.4	11.8
40°-50°	6241.4	18.4
50°-60°	9219.8	27.1
60°-70°	8776.4	25.8
70°-80°	1416.2	4.2
80°-90°	133.5	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°	33972.0	100.0
0°-180°	33972.0	100.0

Coefficient of Utilization



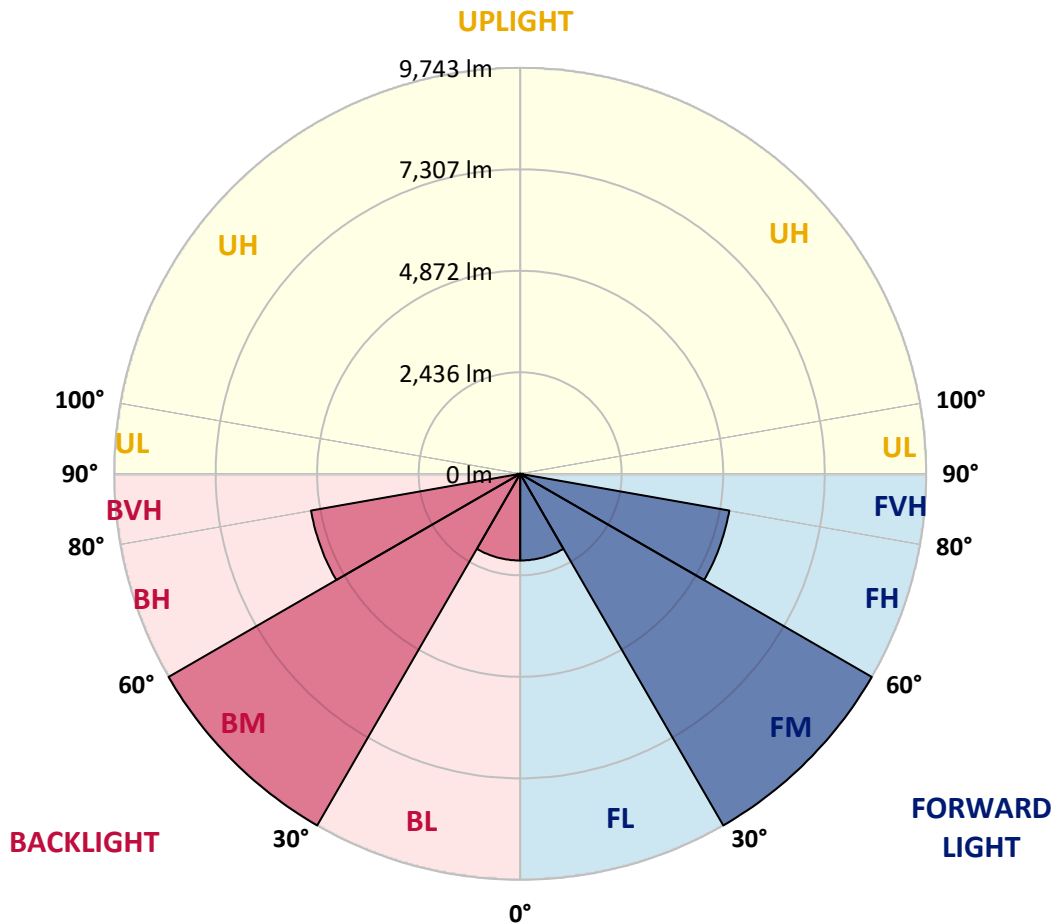
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2079.6	6.1			
FM (30°-60°)	9743.3	28.7			
FH (60°-80°)	5096.3	15.0			G3/7500
FVH (80°-90°)	66.7	0.2			G1/100
BL (0°-30°)	2079.6	6.1	B3/2500		
BM (30°-60°)	9743.3	28.7	B5		
BH (60°-80°)	5096.3	15.0	B5		G3/7500
BVH (80°-90°)	66.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4043.0	4043.0	4043.0	4043.0	4043.0	4043.0	4043.0	4043.0	4043.0	4043.0
2.5°	4070.3	4056.6	4066.9	4058.3	4051.5	4044.7	4048.1	4060.1	4065.2	4066.9
5°	4124.8	4112.9	4118.0	4118.0	4106.1	4102.7	4104.4	4112.9	4123.1	4123.1
7.5°	4213.5	4201.5	4213.5	4206.6	4196.4	4193.0	4191.3	4198.1	4213.5	4213.5
10°	4320.8	4307.2	4314.0	4310.6	4298.7	4293.6	4291.9	4302.1	4315.7	4314.0
12.5°	4438.4	4423.1	4431.6	4421.4	4418.0	4412.9	4412.9	4411.2	4419.7	4412.9
15°	4569.7	4559.5	4562.9	4556.1	4561.2	4557.8	4544.1	4537.3	4540.7	4530.5
17.5°	4724.8	4700.9	4712.9	4709.5	4709.5	4716.3	4694.1	4685.6	4692.4	4682.2
20°	4903.8	4879.9	4885.0	4878.2	4869.7	4876.5	4849.2	4856.0	4861.2	4854.3
22.5°	5099.8	5069.1	5067.4	5070.8	5052.1	5053.8	5035.0	5052.1	5062.3	5043.5
25°	5300.9	5268.5	5290.7	5282.2	5258.3	5263.4	5249.8	5266.8	5275.3	5251.5
27.5°	5514.0	5491.8	5512.3	5517.4	5488.4	5508.9	5488.4	5503.7	5512.3	5476.5
30°	5762.8	5740.7	5759.4	5773.0	5739.0	5771.3	5754.3	5764.5	5766.2	5723.6
32.5°	6033.8	5999.7	6047.5	6054.3	6016.8	6056.0	6033.8	6047.5	6056.0	5998.0
35°	6364.5	6321.9	6376.4	6367.9	6335.5	6367.9	6347.5	6367.9	6388.4	6318.5
37.5°	6720.7	6676.4	6734.4	6719.0	6688.3	6710.5	6698.6	6712.2	6744.6	6669.6
40°	7112.8	7058.2	7136.6	7109.4	7080.4	7077.0	7083.8	7092.3	7134.9	7051.4
42.5°	7532.1	7474.1	7591.7	7549.1	7508.2	7480.9	7503.1	7520.1	7561.0	7467.3
45°	8011.0	7944.5	8097.9	8046.8	7982.0	7925.8	7961.6	7987.2	8046.8	7934.3
47.5°	8539.4	8464.4	8628.0	8612.7	8507.0	8384.3	8466.1	8539.4	8583.7	8447.4
50°	9055.9	8997.9	9212.7	9231.4	9101.9	8929.7	9043.9	9154.7	9166.7	8987.7
52.5°	9539.9	9482.0	9793.9	9911.5	9795.6	9591.1	9712.1	9824.6	9734.2	9502.4
55°	9926.8	9879.1	10276.3	10579.7	10618.9	10450.1	10521.7	10518.3	10221.7	9865.5
57.5°	10020.6	10013.8	10514.9	11157.5	11566.5	11587.0	11445.5	11084.2	10445.0	9966.0
60°	9594.5	9637.1	10325.7	11459.2	12550.0	13003.4	12391.5	11360.3	10191.0	9526.3
62.5°	8319.5	8432.0	9262.1	11091.0	13344.3	14632.9	13150.0	10941.0	9147.9	8280.3
65°	5962.2	6158.3	7075.3	9464.9	13272.7	16064.6	13040.9	9388.2	7143.4	6142.9
67.5°	2705.0	2904.4	3683.4	6480.4	11537.6	15676.0	11510.3	6548.6	3867.4	2914.6
70°	980.1	1014.2	1264.7	2594.2	7373.5	12490.4	7688.9	2613.0	1344.8	1080.6
72.5°	593.2	598.3	651.1	928.9	2561.8	7583.2	2670.9	959.6	664.7	589.7
75°	376.7	373.3	463.6	567.6	908.5	2558.4	952.8	567.6	461.9	421.0
77.5°	271.0	279.5	332.4	424.4	572.7	867.6	562.5	405.7	332.4	272.7
80°	202.8	207.9	242.0	330.7	402.3	540.3	357.9	300.0	250.6	170.4
82.5°	146.6	146.6	158.5	240.3	245.4	291.5	194.3	211.4	165.3	121.0
85°	86.9	85.2	98.9	143.2	127.8	107.4	88.6	129.5	104.0	75.0
87.5°	30.7	32.4	30.7	40.9	34.1	29.0	27.3	35.8	29.0	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4043.0
4066.9
4123.1
4208.3
4310.6
4416.3
4532.2
4690.7
4869.7
5062.3
5278.8
5503.7
5749.2
6037.2
6361.1
6715.6
7078.7
7516.7
7992.3
8493.4
9009.8
9509.2
9877.4
9935.4
9447.9
8229.2
6069.6
2872.0
1067.0
600.0
424.4
277.8
175.6
121.0
73.3
23.9
0.0

OF REPORT)