

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: P951509

Luminaire Tested: **GALN-SB5C-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951509
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-SB5C-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 24130 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

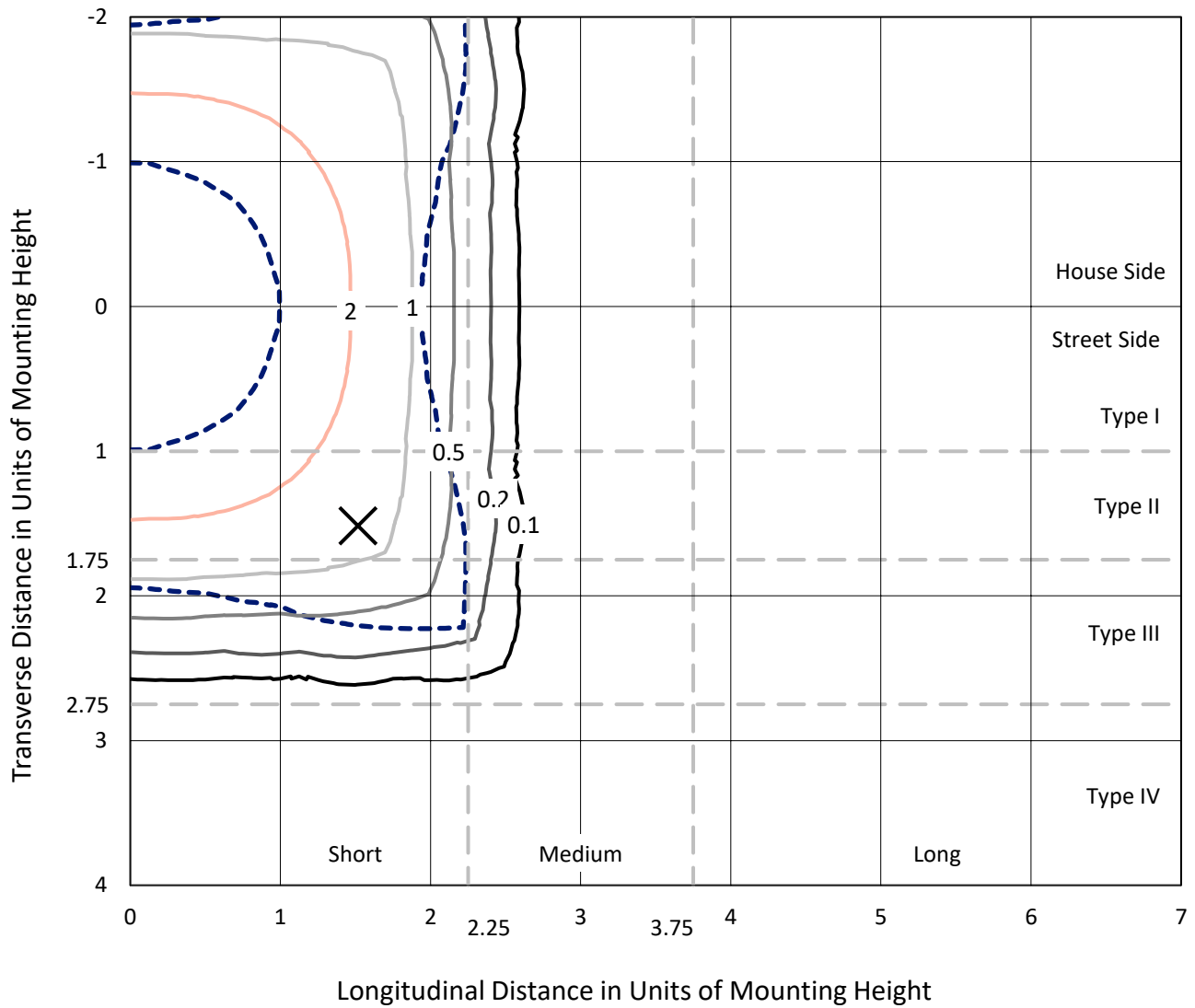
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

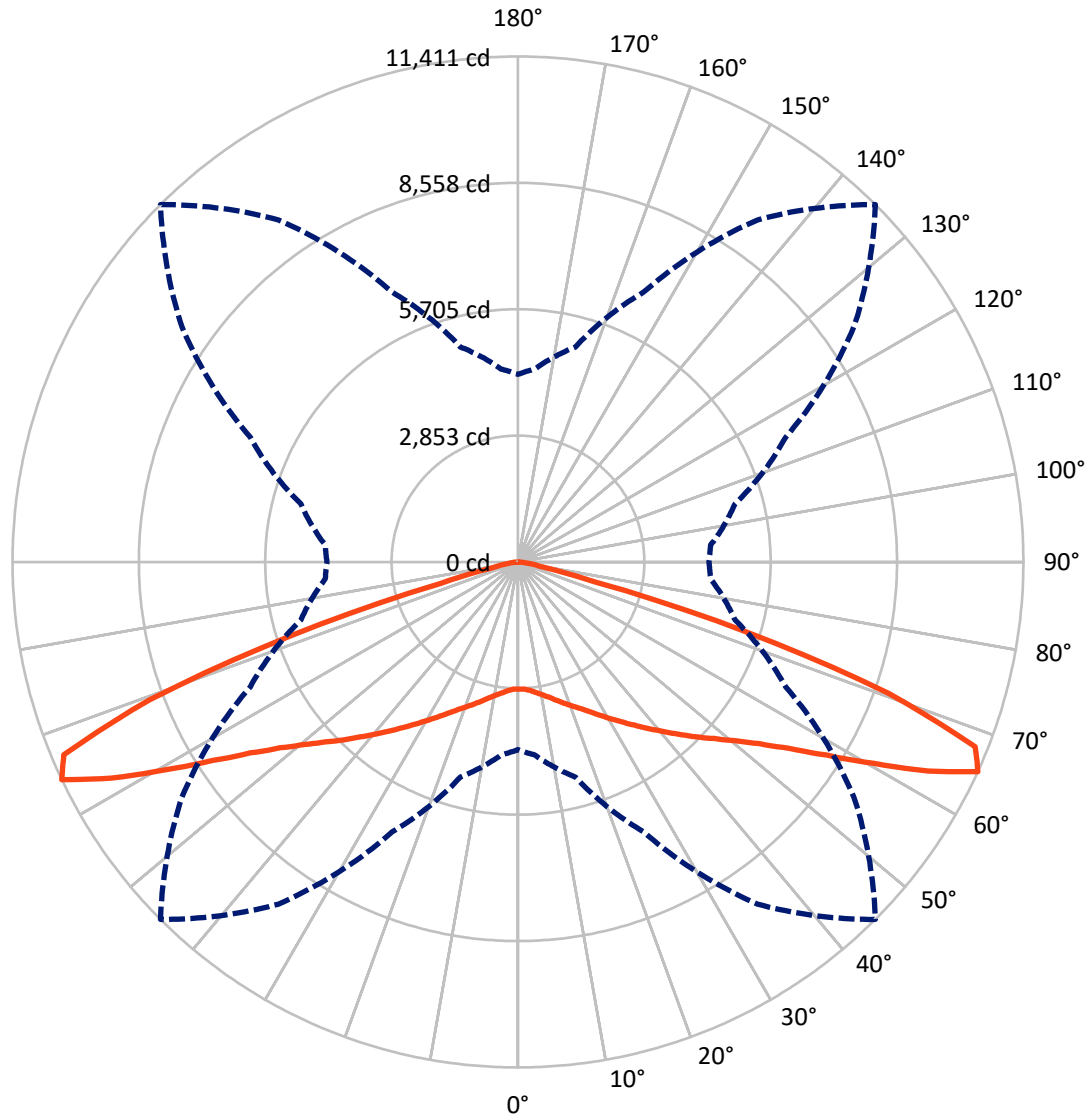
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	12065.0	0.0	12065.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12065.0	0.0	12065.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24130.0	0.0	24130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.4	1.2
10°-20°	924.8	3.8
20°-30°	1746.1	7.2
30°-40°	2859.2	11.8
40°-50°	4433.2	18.4
50°-60°	6548.8	27.1
60°-70°	6233.8	25.8
70°-80°	1005.9	4.2
80°-90°	94.8	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°	24130.0	100.0
0°-180°	24130.0	100.0

Coefficient of Utilization



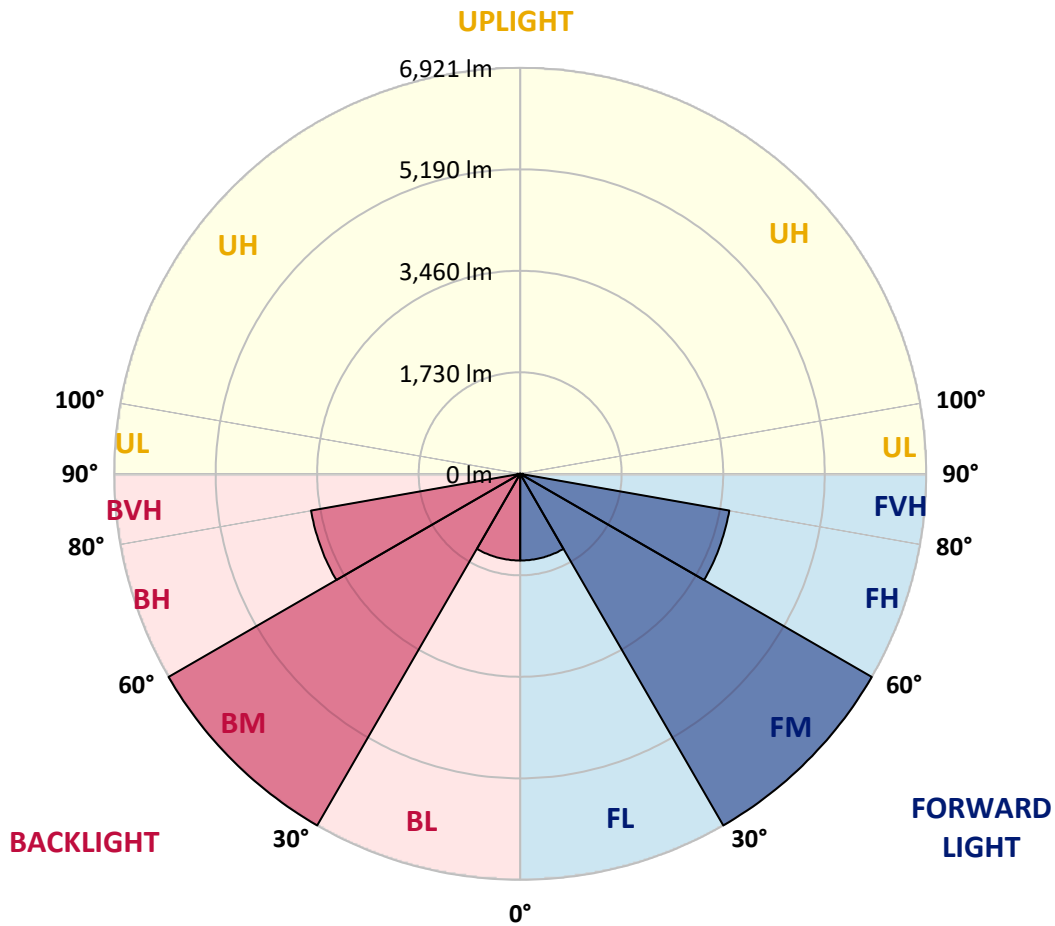
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.2	6.1			
FM (30°-60°)	6920.6	28.7			
FH (60°-80°)	3619.9	15.0			G2/5000
FVH (80°-90°)	47.4	0.2			G1/100
BL (0°-30°)	1477.2	6.1	B3/2500		
BM (30°-60°)	6920.6	28.7	B4/8500		
BH (60°-80°)	3619.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	47.4	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°	2871.7	2871.7	2871.7	2871.7	2871.7	2871.7	2871.7	2871.7	2871.7	2871.7
2.5°	2891.1	2881.4	2888.7	2882.6	2877.8	2872.9	2875.3	2883.8	2887.5	2888.7
5°	2929.8	2921.3	2925.0	2925.0	2916.5	2914.1	2915.3	2921.3	2928.6	2928.6
7.5°	2992.8	2984.3	2992.8	2987.9	2980.7	2978.3	2977.0	2981.9	2992.8	2992.8
10°	3069.1	3059.4	3064.2	3061.8	3053.3	3049.7	3048.5	3055.7	3065.4	3064.2
12.5°	3152.6	3141.7	3147.7	3140.5	3138.1	3134.4	3134.4	3133.2	3139.3	3134.4
15°	3245.8	3238.5	3241.0	3236.1	3239.8	3237.3	3227.6	3222.8	3225.2	3218.0
17.5°	3356.0	3339.0	3347.5	3345.1	3345.1	3349.9	3334.2	3328.1	3333.0	3325.7
20°	3483.1	3466.2	3469.8	3464.9	3458.9	3463.7	3444.4	3449.2	3452.8	3448.0
22.5°	3622.3	3600.5	3599.3	3601.7	3588.4	3589.6	3576.3	3588.4	3595.7	3582.4
25°	3765.2	3742.2	3757.9	3751.9	3734.9	3738.6	3728.9	3741.0	3747.0	3730.1
27.5°	3916.5	3900.8	3915.3	3918.9	3898.4	3912.9	3898.4	3909.3	3915.3	3889.9
30°	4093.3	4077.5	4090.9	4100.5	4076.3	4099.3	4087.2	4094.5	4095.7	4065.4
32.5°	4285.8	4261.6	4295.5	4300.3	4273.7	4301.5	4285.8	4295.5	4301.5	4260.4
35°	4520.6	4490.4	4529.1	4523.1	4500.1	4523.1	4508.5	4523.1	4537.6	4488.0
37.5°	4773.7	4742.2	4783.4	4772.5	4750.7	4766.4	4757.9	4767.6	4790.6	4737.4
40°	5052.1	5013.4	5069.1	5049.7	5029.1	5026.7	5031.5	5037.6	5067.9	5008.5
42.5°	5350.0	5308.8	5392.3	5362.1	5333.0	5313.6	5329.4	5341.5	5370.5	5303.9
45°	5690.2	5642.9	5751.9	5715.6	5669.6	5629.6	5655.0	5673.2	5715.6	5635.7
47.5°	6065.5	6012.2	6128.4	6117.5	6042.5	5955.3	6013.4	6065.5	6096.9	6000.1
50°	6432.3	6391.1	6543.7	6557.0	6465.0	6342.7	6423.8	6502.5	6511.0	6383.9
52.5°	6776.1	6735.0	6956.5	7040.1	6957.7	6812.4	6898.4	6978.3	6914.1	6749.5
55°	7050.9	7017.0	7299.1	7514.6	7542.5	7422.6	7473.5	7471.1	7260.4	7007.4
57.5°	7117.5	7112.7	7468.6	7925.1	8215.6	8230.1	8129.7	7873.0	7419.0	7078.8
60°	6814.9	6845.1	7334.2	8139.3	8914.2	9236.2	8801.6	8069.1	7238.6	6766.4
62.5°	5909.3	5989.2	6578.8	7877.8	9478.3	10393.6	9340.3	7771.3	6497.7	5881.4
65°	4234.9	4374.2	5025.5	6722.9	9427.5	11410.6	9262.8	6668.4	5073.9	4363.3
67.5°	1921.3	2063.0	2616.3	4603.0	8195.0	11134.5	8175.7	4651.4	2747.0	2070.2
70°	696.1	720.3	898.3	1842.6	5237.4	8871.8	5461.3	1856.0	955.2	767.6
72.5°	421.3	424.9	462.5	659.8	1819.6	5386.3	1897.1	681.6	472.2	418.9
75°	267.6	265.1	329.3	403.2	645.3	1817.2	676.8	403.2	328.1	299.0
77.5°	192.5	198.6	236.1	301.5	406.8	616.2	399.5	288.1	236.1	193.7
80°	144.1	147.7	171.9	234.9	285.7	383.8	254.2	213.1	178.0	121.1
82.5°	104.1	104.1	112.6	170.7	174.3	207.0	138.0	150.1	117.4	86.0
85°	61.7	60.5	70.2	101.7	90.8	76.3	63.0	92.0	73.9	53.3
87.5°	21.8	23.0	21.8	29.1	24.2	20.6	19.4	25.4	20.6	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2871.7
2888.7
2928.6
2989.1
3061.8
3136.8
3219.2
3331.8
3458.9
3595.7
3749.4
3909.3
4083.6
4288.2
4518.2
4770.0
5027.9
5339.1
5676.8
6032.8
6399.6
6754.3
7015.8
7057.0
6710.7
5845.1
4311.2
2040.0
757.9
426.2
301.5
197.3
124.7
86.0
52.1
16.9
0.0

OF REPORT)