

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: P944610

Luminaire Tested: **GALN-SB9C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41999 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

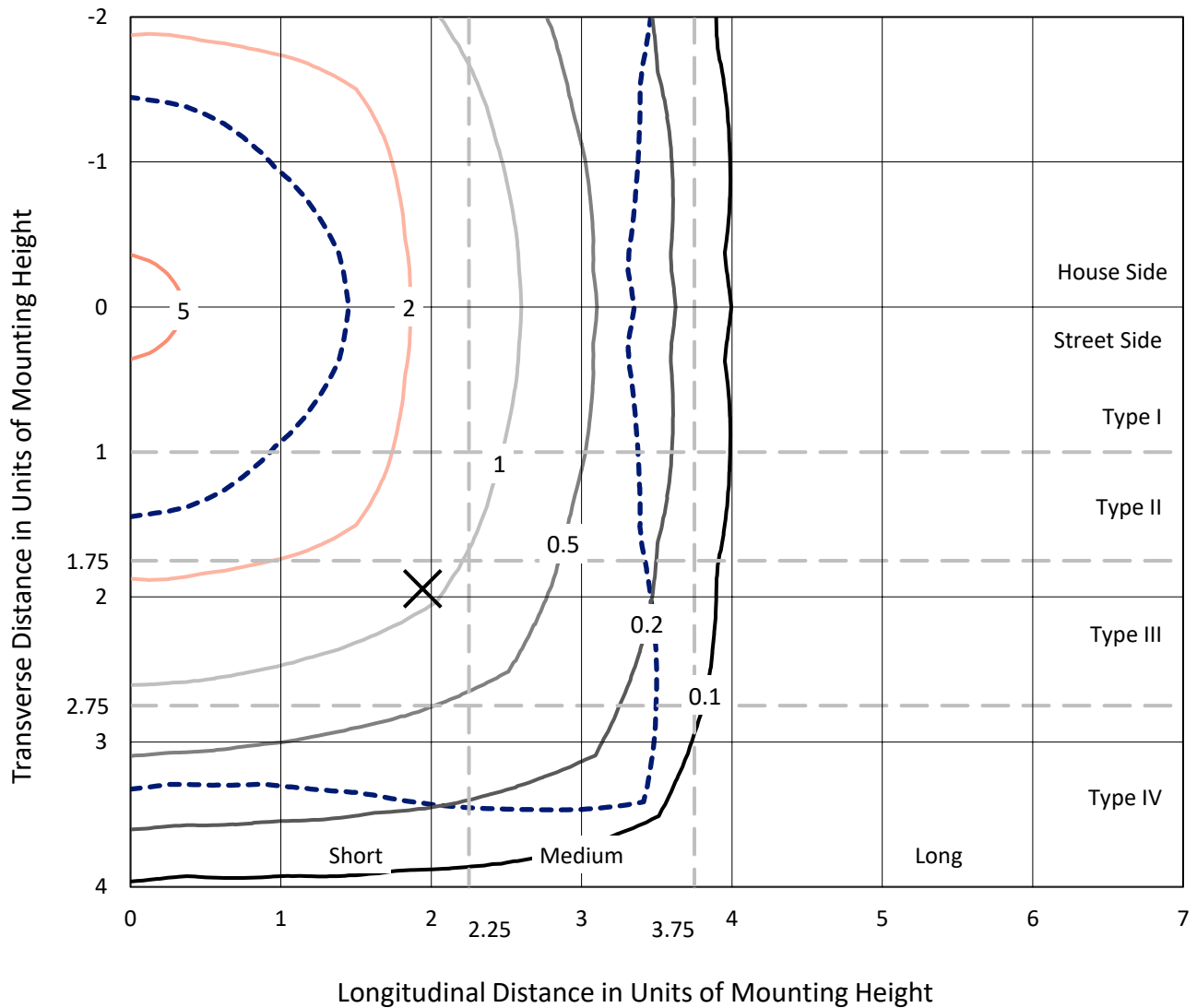
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

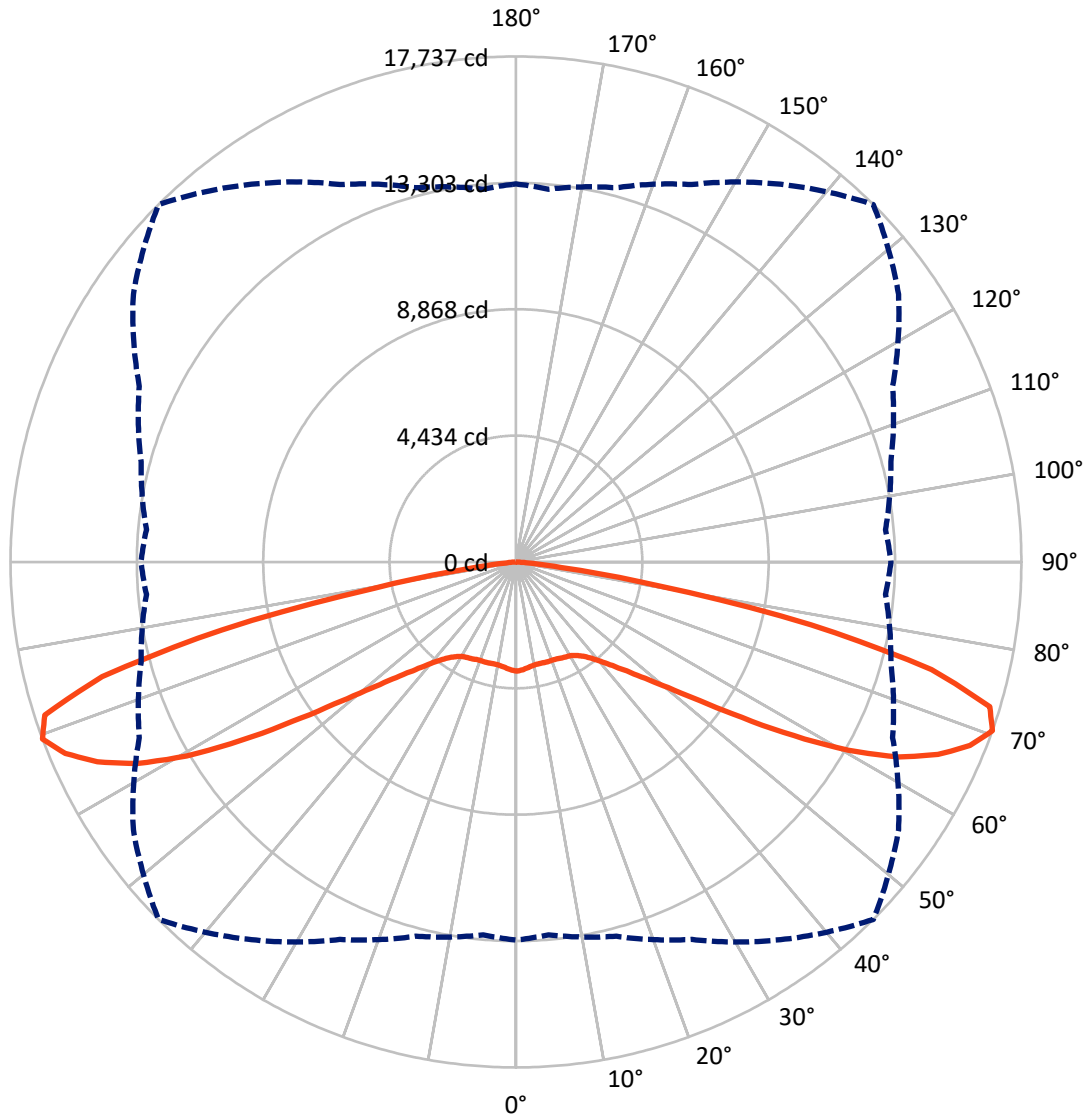
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20999.5	0.0	20999.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20999.5	0.0	20999.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41999.0	0.0	41999.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.4	0.8
10°-20°	1046.4	2.5
20°-30°	1741.4	4.1
30°-40°	2633.6	6.3
40°-50°	4376.4	10.4
50°-60°	8258.0	19.7
60°-70°	13944.0	33.2
70°-80°	9162.7	21.8
80°-90°	480.0	1.1
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°	41999.0	100.0
0°-180°	41999.0	100.0



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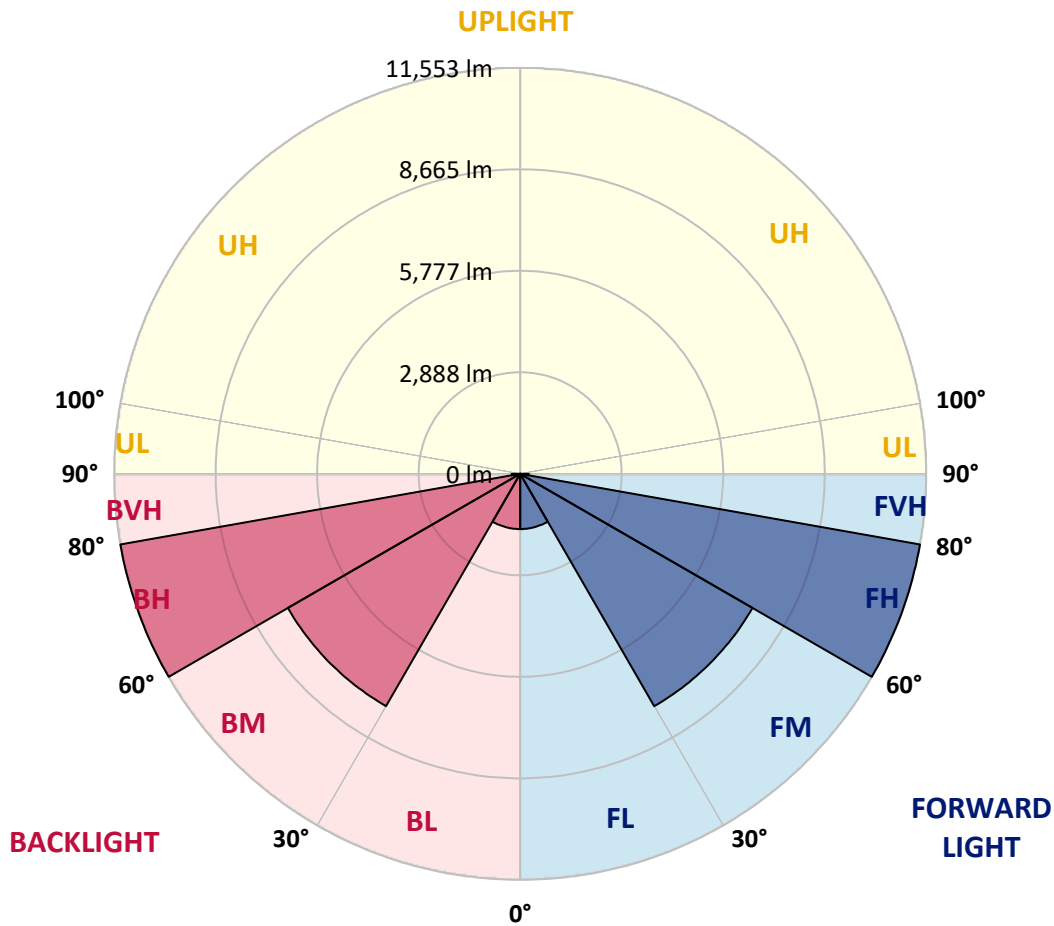
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1572.1	3.7			
FM (30°-60°)	7634.0	18.2			
FH (60°-80°)	11553.4	27.5			G4/12000
FVH (80°-90°)	240.0	0.6			G3/500
BL (0°-30°)	1572.1	3.7	B3/2500		
BM (30°-60°)	7634.0	18.2	B4/8500		
BH (60°-80°)	11553.4	27.5	B5		G4/12000
BVH (80°-90°)	240.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3831.2	3831.2	3831.2	3831.2	3831.2	3831.2	3831.2	3831.2	3831.2	3831.2
2.5°	3807.1	3818.1	3813.7	3805.0	3805.0	3798.4	3805.0	3809.3	3815.9	3820.2
5°	3756.9	3765.7	3763.5	3756.9	3759.1	3752.6	3756.9	3763.5	3767.8	3770.0
7.5°	3713.3	3722.0	3717.6	3706.7	3706.7	3700.2	3702.4	3708.9	3715.5	3717.6
10°	3702.4	3711.1	3698.0	3680.5	3674.0	3665.2	3667.4	3674.0	3687.1	3693.6
12.5°	3706.7	3713.3	3700.2	3674.0	3667.4	3658.7	3658.7	3665.2	3682.7	3691.4
15°	3719.8	3726.4	3706.7	3678.3	3671.8	3665.2	3663.1	3671.8	3691.4	3706.7
17.5°	3743.8	3750.4	3719.8	3680.5	3671.8	3674.0	3671.8	3678.3	3708.9	3737.3
20°	3765.7	3770.0	3728.6	3680.5	3671.8	3674.0	3671.8	3684.9	3724.2	3763.5
22.5°	3772.2	3776.6	3737.3	3695.8	3689.3	3691.4	3689.3	3702.4	3739.5	3778.8
25°	3774.4	3780.9	3750.4	3717.6	3728.6	3732.9	3728.6	3730.7	3759.1	3794.0
27.5°	3807.1	3815.9	3787.5	3759.1	3765.7	3763.5	3770.0	3776.6	3798.4	3833.3
30°	3874.8	3881.4	3857.4	3829.0	3824.6	3809.3	3829.0	3850.8	3874.8	3905.4
32.5°	3986.1	3999.2	3968.7	3938.1	3918.5	3909.7	3925.0	3962.1	3994.9	4027.6
35°	4171.7	4180.4	4152.1	4095.3	4060.4	4060.4	4073.5	4121.5	4173.9	4215.4
37.5°	4433.7	4444.6	4394.4	4326.7	4274.3	4274.3	4291.8	4342.0	4420.6	4479.5
40°	4752.4	4767.7	4704.4	4634.5	4584.3	4575.6	4597.4	4654.1	4728.4	4802.6
42.5°	5136.6	5154.0	5071.1	5010.0	4970.7	4970.7	4981.6	5034.0	5101.7	5193.3
45°	5627.8	5658.3	5544.8	5483.7	5446.6	5455.3	5461.9	5507.7	5568.8	5673.6
47.5°	6212.8	6243.4	6123.3	6060.0	6053.4	6094.9	6068.7	6101.5	6134.2	6254.3
50°	6876.4	6928.8	6845.9	6841.5	6854.6	6931.0	6869.9	6887.3	6850.2	6926.6
52.5°	7688.5	7764.9	7749.6	7775.8	7922.1	8079.3	7939.5	7878.4	7738.7	7762.7
55°	8673.0	8788.7	8810.6	8967.7	9299.6	9620.5	9323.6	9076.9	8780.0	8725.4
57.5°	9792.9	9884.6	9989.4	10310.3	10930.3	11500.0	10930.3	10384.5	9917.3	9806.0
60°	10997.9	11111.4	11211.9	11685.6	12606.8	13407.9	12589.3	11722.7	11104.9	10954.3
62.5°	12292.4	12438.7	12508.6	13034.7	14108.7	15064.8	14124.0	13074.0	12388.5	12226.9
65°	13534.6	13654.6	13733.2	14294.2	15320.3	16278.6	15390.1	14355.4	13650.3	13438.5
67.5°	14113.1	14178.5	14370.6	15005.9	16088.7	17182.3	16272.0	15073.6	14285.5	13914.4
70°	13266.1	13132.9	13595.7	14613.0	16180.4	17736.8	16389.9	14582.4	13617.5	13015.0
72.5°	10251.3	10022.1	10825.5	12565.3	15132.5	17383.2	15237.3	12663.5	11325.4	10102.9
75°	5577.5	5317.8	6426.7	8627.2	12067.6	15067.0	12344.8	8873.9	7155.9	5536.1
77.5°	1573.9	1475.7	2370.7	4173.9	7258.5	10578.8	7537.9	4265.6	2811.7	1667.8
80°	482.4	467.2	633.1	1257.4	3082.4	5066.7	2962.3	1272.7	805.5	508.6
82.5°	286.0	262.0	314.4	458.4	785.9	1591.4	764.0	478.1	384.2	257.6
85°	163.7	152.8	185.6	222.7	264.1	338.4	220.5	227.0	205.2	137.5
87.5°	67.7	61.1	72.0	69.9	61.1	78.6	58.9	69.9	83.0	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3831.2
3818.1
3770.0
3717.6
3693.6
3693.6
3708.9
3737.3
3765.7
3778.8
3791.9
3824.6
3898.8
4014.5
4200.1
4457.7
4778.6
5186.8
5669.2
6219.3
6880.8
7682.0
8640.3
9727.4
10823.3
12096.0
13333.7
13918.8
13159.1
10406.3
5896.3
1853.4
537.0
279.4
144.1
50.2
0.0

OF REPORT)