

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: P955142

Luminaire Tested: **GALN-SB8A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955142
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-SB8A-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27543 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

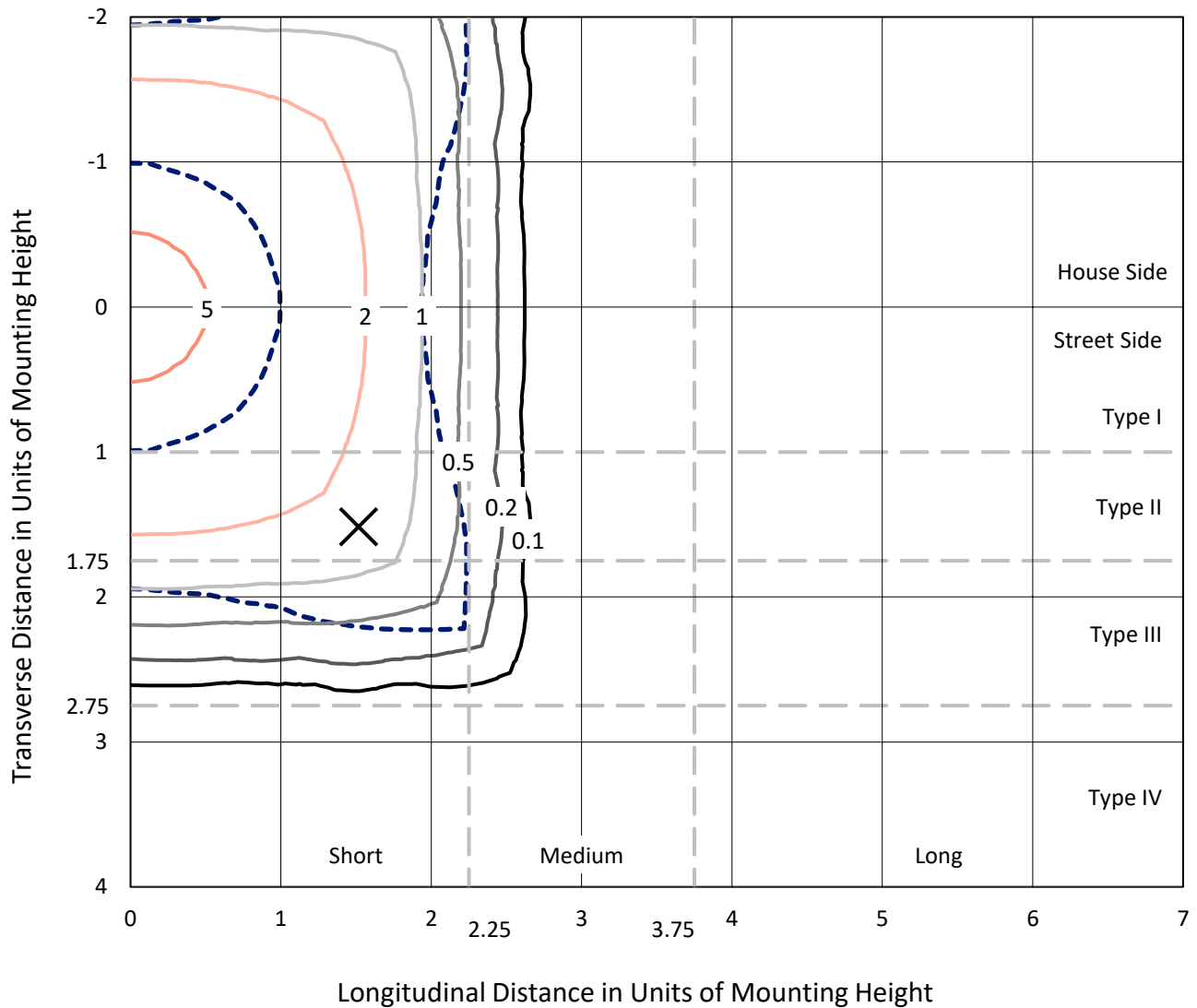
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

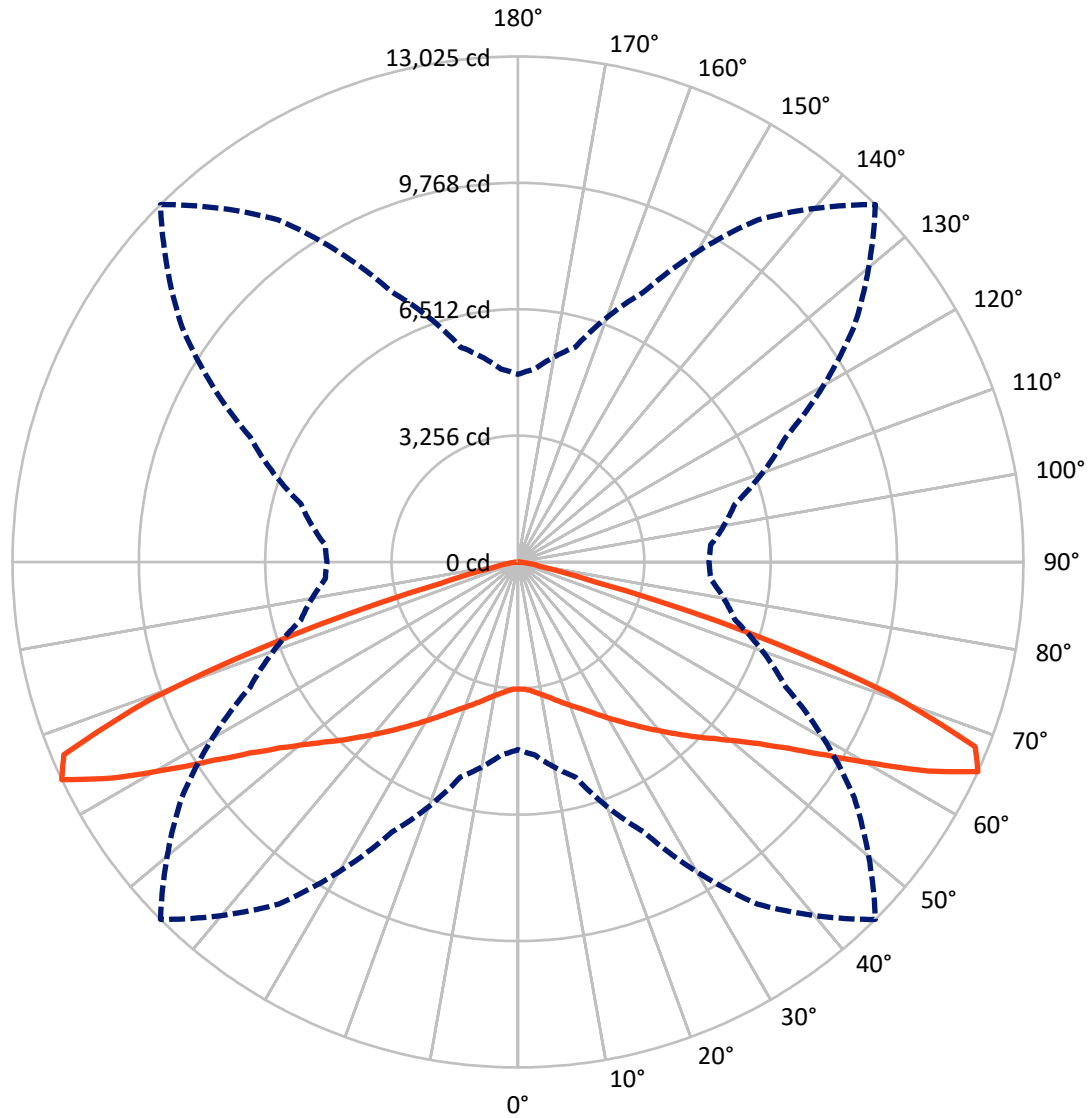
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	13771.5	0.0	13771.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13771.5	0.0	13771.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27543.0	0.0	27543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	1.2
10°-20°	1055.6	3.8
20°-30°	1993.1	7.2
30°-40°	3263.6	11.8
40°-50°	5060.2	18.4
50°-60°	7475.0	27.1
60°-70°	7115.5	25.8
70°-80°	1148.2	4.2
80°-90°	108.2	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°	27543.0	100.0
0°-180°	27543.0	100.0

Coefficient of Utilization



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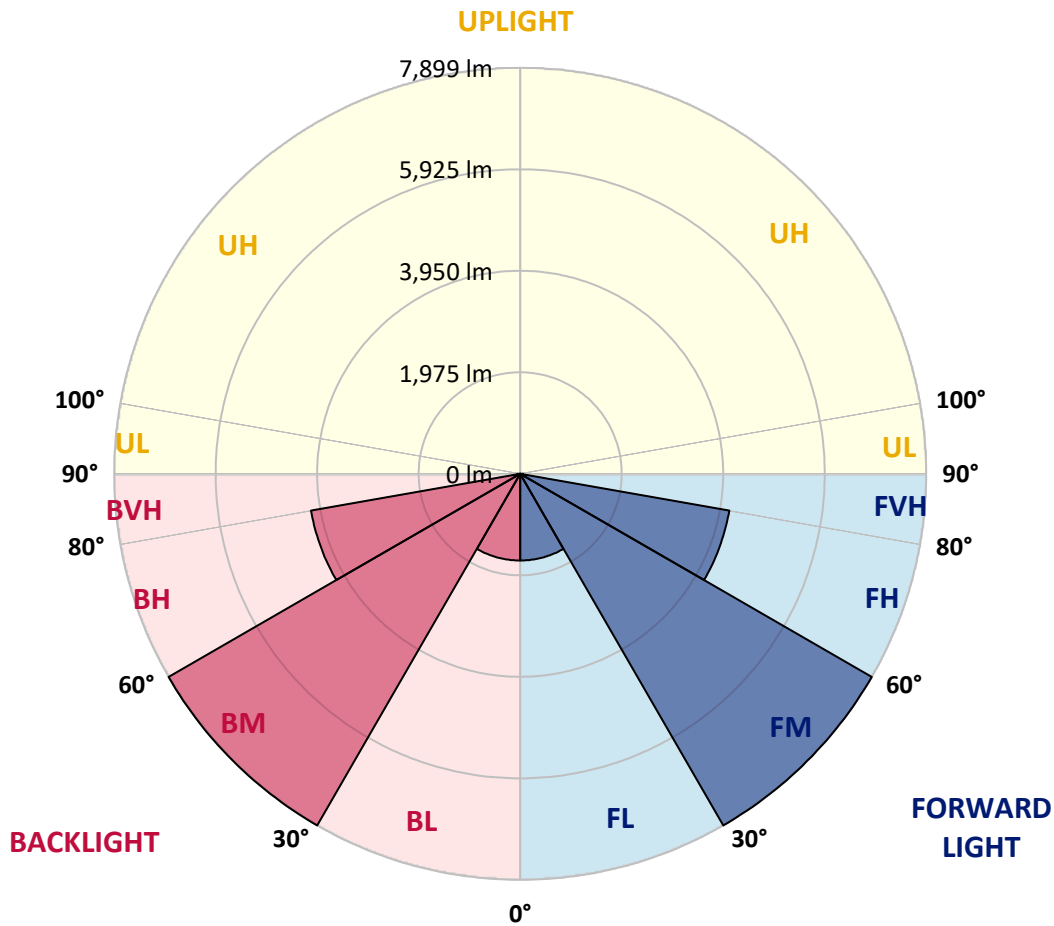
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1686.1	6.1			
FM (30°-60°)	7899.4	28.7			
FH (60°-80°)	4131.9	15.0			G2/5000
FVH (80°-90°)	54.1	0.2			G1/100
BL (0°-30°)	1686.1	6.1	B3/2500		
BM (30°-60°)	7899.4	28.7	B4/8500		
BH (60°-80°)	4131.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	54.1	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°	3277.9	3277.9	3277.9	3277.9	3277.9	3277.9	3277.9	3277.9	3277.9	3277.9
2.5°	3300.0	3288.9	3297.2	3290.3	3284.8	3279.3	3282.0	3291.7	3295.9	3297.2
5°	3344.2	3334.6	3338.7	3338.7	3329.0	3326.3	3327.6	3334.6	3342.8	3342.8
7.5°	3416.1	3406.4	3416.1	3410.6	3402.3	3399.5	3398.1	3403.6	3416.1	3416.1
10°	3503.1	3492.1	3497.6	3494.9	3485.2	3481.0	3479.7	3487.9	3499.0	3497.6
12.5°	3598.5	3586.1	3593.0	3584.7	3581.9	3577.8	3577.8	3576.4	3583.3	3577.8
15°	3704.9	3696.6	3699.4	3693.8	3698.0	3695.2	3684.2	3678.6	3681.4	3673.1
17.5°	3830.7	3811.3	3821.0	3818.2	3818.2	3823.7	3805.8	3798.9	3804.4	3796.1
20°	3975.8	3956.4	3960.6	3955.0	3948.1	3953.6	3931.5	3937.1	3941.2	3935.7
22.5°	4134.7	4109.8	4108.4	4111.2	4096.0	4097.4	4082.2	4096.0	4104.3	4089.1
25°	4297.7	4271.5	4289.5	4282.5	4263.2	4267.3	4256.3	4270.1	4277.0	4257.7
27.5°	4470.5	4452.5	4469.1	4473.2	4449.8	4466.3	4449.8	4462.2	4469.1	4440.1
30°	4672.2	4654.3	4669.5	4680.5	4652.9	4679.2	4665.3	4673.6	4675.0	4640.5
32.5°	4892.0	4864.3	4903.0	4908.5	4878.1	4909.9	4892.0	4903.0	4909.9	4862.9
35°	5160.1	5125.5	5169.7	5162.8	5136.6	5162.8	5146.2	5162.8	5179.4	5122.7
37.5°	5448.9	5412.9	5459.9	5447.5	5422.6	5440.6	5430.9	5442.0	5468.2	5407.4
40°	5766.7	5722.5	5786.1	5764.0	5740.5	5737.7	5743.2	5750.1	5784.7	5717.0
42.5°	6106.7	6059.7	6155.0	6120.5	6087.3	6065.2	6083.2	6097.0	6130.2	6054.2
45°	6495.0	6441.1	6565.5	6524.0	6471.5	6425.9	6454.9	6475.6	6524.0	6432.8
47.5°	6923.4	6862.6	6995.2	6982.8	6897.1	6797.6	6864.0	6923.4	6959.3	6848.8
50°	7342.1	7295.1	7469.2	7484.4	7379.4	7239.8	7332.4	7422.2	7431.9	7286.8
52.5°	7734.6	7687.6	7940.5	8035.8	7941.8	7776.0	7874.1	7965.3	7892.1	7704.2
55°	8048.2	8009.6	8331.5	8577.5	8609.3	8472.5	8530.5	8527.8	8287.3	7998.5
57.5°	8124.3	8118.7	8525.0	9046.0	9377.6	9394.2	9279.5	8986.6	8468.3	8080.0
60°	7778.8	7813.3	8371.6	9290.6	10175.0	10542.6	10046.5	9210.4	8262.4	7723.5
62.5°	6745.1	6836.3	7509.3	8992.1	10819.0	11863.7	10661.4	8870.5	7416.7	6713.3
65°	4833.9	4992.8	5736.3	7673.8	10760.9	13024.5	10573.0	7611.6	5791.6	4980.4
67.5°	2193.1	2354.8	2986.3	5254.0	9354.2	12709.4	9332.0	5309.3	3135.6	2363.1
70°	794.6	822.2	1025.4	2103.3	5978.1	10126.6	6233.8	2118.5	1090.3	876.1
72.5°	480.9	485.1	527.9	753.1	2077.0	6148.1	2165.5	778.0	538.9	478.1
75°	305.4	302.6	375.9	460.2	736.6	2074.2	772.5	460.2	374.5	341.3
77.5°	219.7	226.6	269.5	344.1	464.3	703.4	456.0	328.9	269.5	221.1
80°	164.4	168.6	196.2	268.1	326.1	438.1	290.2	243.2	203.1	138.2
82.5°	118.8	118.8	128.5	194.8	199.0	236.3	157.5	171.4	134.0	98.1
85°	70.5	69.1	80.2	116.1	103.6	87.1	71.9	105.0	84.3	60.8
87.5°	24.9	26.3	24.9	33.2	27.6	23.5	22.1	29.0	23.5	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3277.9
3297.2
3342.8
3411.9
3494.9
3580.5
3674.5
3803.0
3948.1
4104.3
4279.8
4462.2
4661.2
4894.7
5157.3
5444.7
5739.1
6094.2
6479.8
6886.1
7304.8
7709.7
8008.2
8055.2
7659.9
6671.9
4921.0
2328.5
865.1
486.4
344.1
225.3
142.3
98.1
59.4
19.3
0.0

OF REPORT)