

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: P955163

Luminaire Tested: **GALN-SB8A-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955163
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-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26442 lumens
Efficiency: N/A
Efficacy: 116.4 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

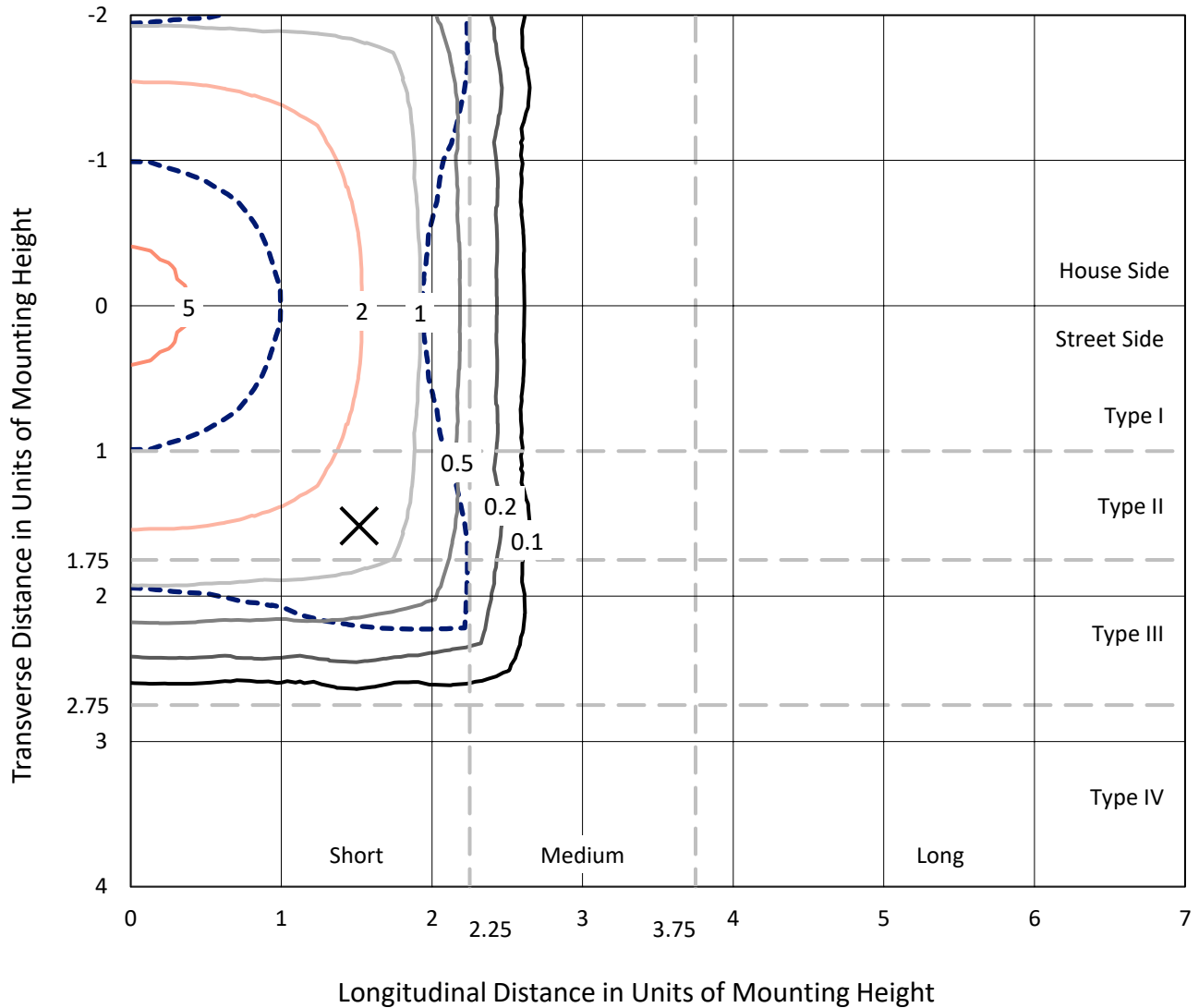
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

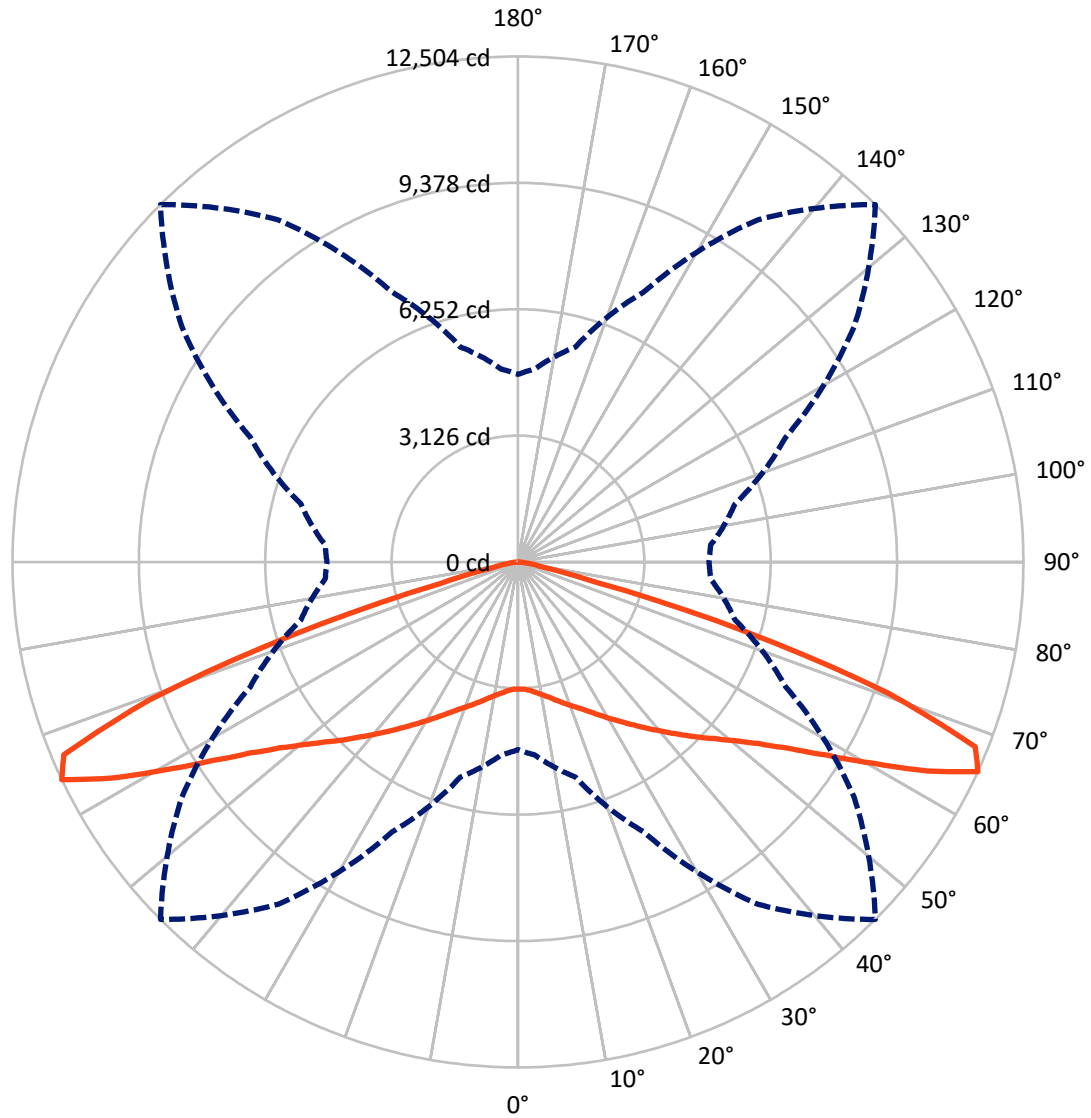
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	13221.0	0.0	13221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13221.0	0.0	13221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26442.0	0.0	26442.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	1.2
10°-20°	1013.4	3.8
20°-30°	1913.4	7.2
30°-40°	3133.1	11.8
40°-50°	4858.0	18.4
50°-60°	7176.2	27.1
60°-70°	6831.1	25.8
70°-80°	1102.3	4.2
80°-90°	103.9	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°	26442.0	100.0
0°-180°	26442.0	100.0



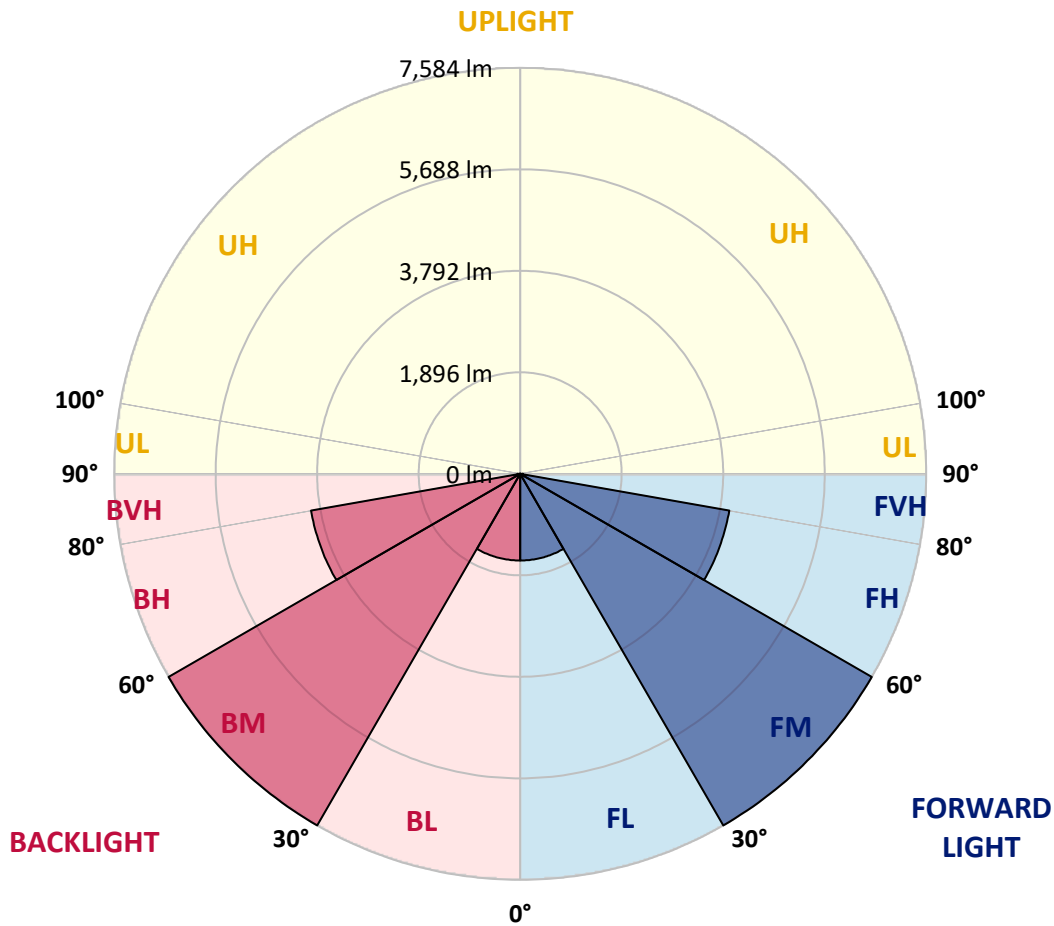
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1618.7	6.1			
FM (30°-60°)	7583.7	28.7			
FH (60°-80°)	3966.7	15.0			G2/5000
FVH (80°-90°)	52.0	0.2			G1/100
BL (0°-30°)	1618.7	6.1	B3/2500		
BM (30°-60°)	7583.7	28.7	B4/8500		
BH (60°-80°)	3966.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	52.0	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°	3146.9	3146.9	3146.9	3146.9	3146.9	3146.9	3146.9	3146.9	3146.9	3146.9
2.5°	3168.1	3157.5	3165.4	3158.8	3153.5	3148.2	3150.8	3160.1	3164.1	3165.4
5°	3210.5	3201.3	3205.2	3205.2	3195.9	3193.3	3194.6	3201.3	3209.2	3209.2
7.5°	3279.5	3270.2	3279.5	3274.2	3266.3	3263.6	3262.3	3267.6	3279.5	3279.5
10°	3363.1	3352.5	3357.8	3355.1	3345.9	3341.9	3340.6	3348.5	3359.1	3357.8
12.5°	3454.7	3442.7	3449.3	3441.4	3438.7	3434.7	3434.7	3433.4	3440.1	3434.7
15°	3556.8	3548.8	3551.5	3546.2	3550.2	3547.5	3536.9	3531.6	3534.3	3526.3
17.5°	3677.5	3659.0	3668.2	3665.6	3665.6	3670.9	3653.7	3647.0	3652.3	3644.4
20°	3816.8	3798.3	3802.2	3796.9	3790.3	3795.6	3774.4	3779.7	3783.7	3778.4
22.5°	3969.4	3945.5	3944.2	3946.8	3932.3	3933.6	3919.0	3932.3	3940.2	3925.6
25°	4125.9	4100.7	4118.0	4111.4	4092.8	4096.8	4086.1	4099.4	4106.0	4087.5
27.5°	4291.8	4274.5	4290.5	4294.4	4271.9	4287.8	4271.9	4283.8	4290.5	4262.6
30°	4485.5	4468.2	4482.8	4493.4	4466.9	4492.1	4478.8	4486.8	4488.1	4455.0
32.5°	4696.4	4669.9	4707.0	4712.3	4683.1	4713.7	4696.4	4707.0	4713.7	4668.6
35°	4953.8	4920.6	4963.1	4956.4	4931.2	4956.4	4940.5	4956.4	4972.4	4918.0
37.5°	5231.1	5196.6	5241.7	5229.7	5205.9	5223.1	5213.8	5224.4	5249.6	5191.3
40°	5536.2	5493.7	5554.8	5533.5	5511.0	5508.3	5513.6	5520.3	5553.4	5488.4
42.5°	5862.6	5817.5	5909.0	5875.8	5844.0	5822.8	5840.0	5853.3	5885.1	5812.1
45°	6235.4	6183.6	6303.0	6263.2	6212.8	6169.0	6196.9	6216.8	6263.2	6175.7
47.5°	6646.6	6588.2	6715.6	6703.7	6621.4	6525.9	6589.6	6646.6	6681.1	6575.0
50°	7048.6	7003.5	7170.7	7185.2	7084.4	6950.4	7039.3	7125.5	7134.8	6995.5
52.5°	7425.4	7380.3	7623.0	7714.6	7624.4	7465.2	7559.4	7646.9	7576.6	7396.2
55°	7726.5	7689.4	7998.5	8234.6	8265.2	8133.8	8189.5	8186.9	7956.0	7678.8
57.5°	7799.5	7794.2	8184.2	8684.4	9002.8	9018.7	8908.6	8627.3	8129.8	7757.0
60°	7467.8	7501.0	8037.0	8919.2	9768.3	10121.2	9644.9	8842.3	7932.2	7414.8
62.5°	6475.5	6563.0	7209.1	8632.6	10386.5	11389.5	10235.3	8515.9	7120.2	6445.0
65°	4640.7	4793.3	5507.0	7367.0	10330.8	12503.9	10150.4	7307.3	5560.1	4781.3
67.5°	2105.4	2260.6	2866.9	5044.0	8980.2	12201.4	8959.0	5097.1	3010.2	2268.6
70°	762.8	789.4	984.4	2019.2	5739.2	9721.8	5984.6	2033.8	1046.7	841.1
72.5°	461.7	465.7	506.8	723.0	1994.0	5902.4	2078.9	746.9	517.4	459.0
75°	293.2	290.5	360.9	441.8	707.1	1991.3	741.6	441.8	359.5	327.7
77.5°	210.9	217.6	258.7	330.3	445.8	675.3	437.8	315.7	258.7	212.3
80°	157.9	161.9	188.4	257.4	313.1	420.6	278.6	233.5	195.0	132.7
82.5°	114.1	114.1	123.4	187.1	191.0	226.9	151.2	164.5	128.7	94.2
85°	67.7	66.3	76.9	111.4	99.5	83.6	69.0	100.8	80.9	58.4
87.5°	23.9	25.2	23.9	31.8	26.5	22.6	21.2	27.9	22.6	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3146.9
3165.4
3209.2
3275.5
3355.1
3437.4
3527.6
3651.0
3790.3
3940.2
4108.7
4283.8
4474.9
4699.1
4951.1
5227.1
5509.7
5850.6
6220.8
6610.8
7012.8
7401.5
7688.1
7733.2
7353.7
6405.2
4724.3
2235.4
830.5
467.0
330.3
216.2
136.6
94.2
57.0
18.6
0.0

OF REPORT)