

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: P956867

Luminaire Tested: **GALN-SB9B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32149 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

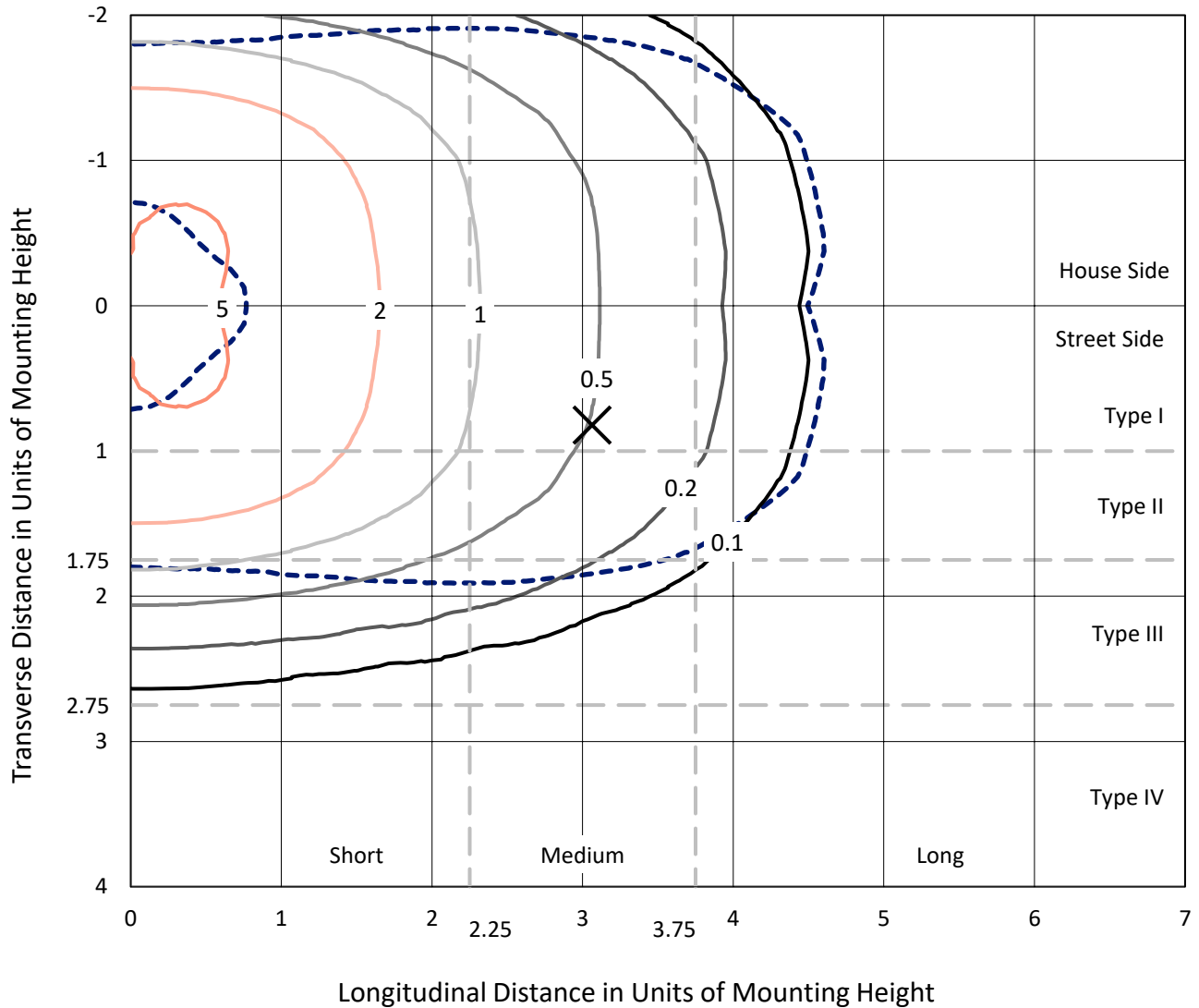
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

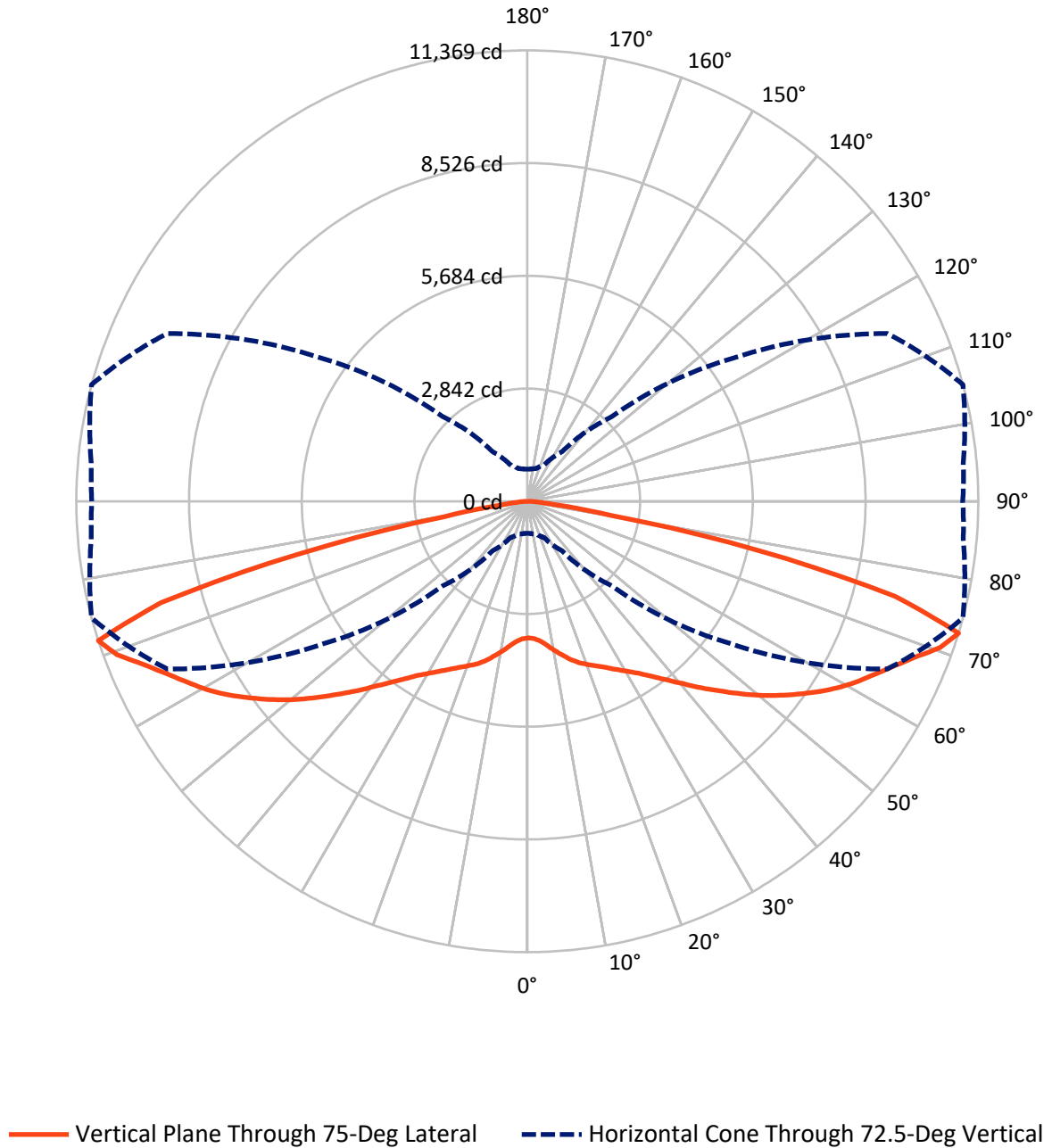
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16074.5	0.0	16074.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16074.5	0.0	16074.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32149.0	0.0	32149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	1.0
10°-20°	1112.6	3.5
20°-30°	2149.9	6.7
30°-40°	3630.3	11.3
40°-50°	5757.2	17.9
50°-60°	7708.2	24.0
60°-70°	7335.8	22.8
70°-80°	3827.9	11.9
80°-90°	289.8	0.9
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°	32149.0	100.0
0°-180°	32149.0	100.0

Coefficient of Utilization



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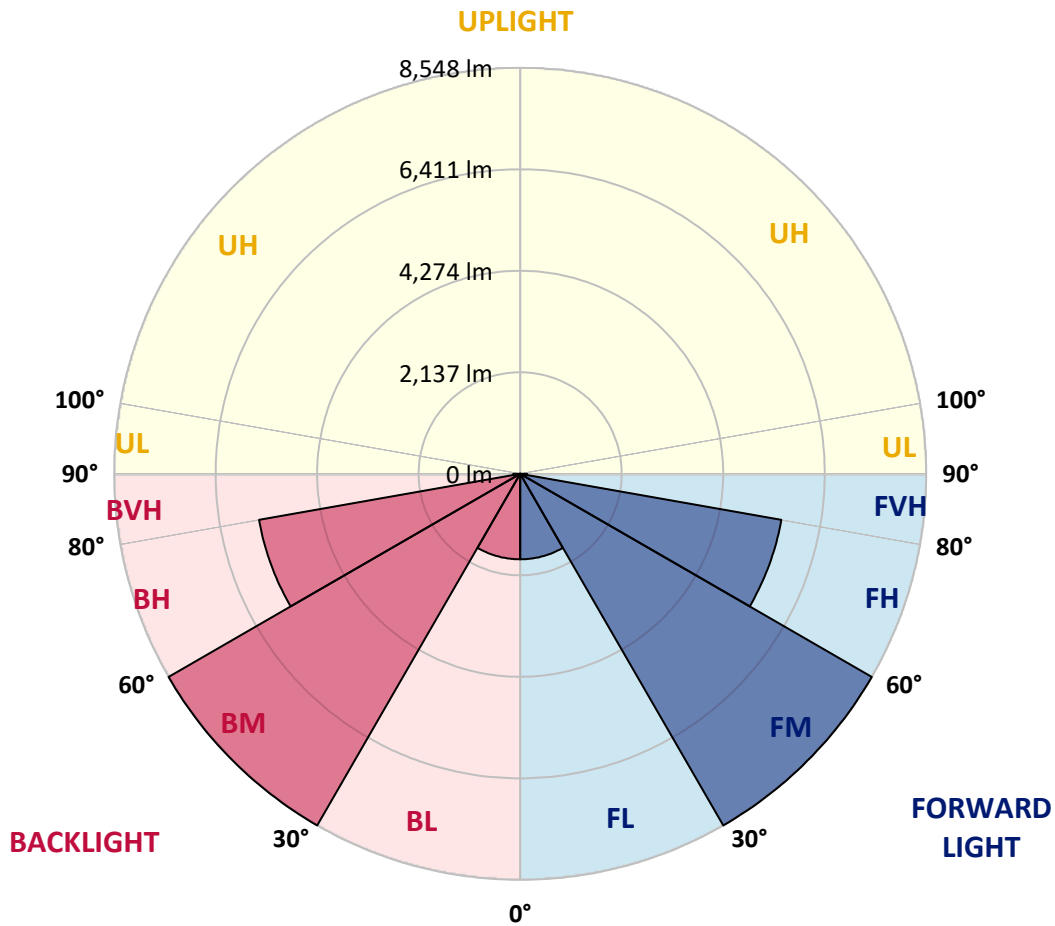
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1799.9	5.6			
FM (30°-60°)	8547.8	26.6			
FH (60°-80°)	5581.8	17.4			G3/7500
FVH (80°-90°)	144.9	0.5			G2/225
BL (0°-30°)	1799.9	5.6	B3/2500		
BM (30°-60°)	8547.8	26.6	B5		
BH (60°-80°)	5581.8	17.4	B5		G5
BVH (80°-90°)	144.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3443.7	3443.7	3443.7	3443.7	3443.7	3443.7	3443.7	3443.7	3443.7	3443.7
2.5°	3443.7	3440.5	3443.7	3447.0	3445.4	3445.4	3453.6	3458.5	3468.4	3466.7
5°	3420.8	3419.1	3432.2	3447.0	3458.5	3478.2	3502.8	3520.9	3543.9	3548.8
7.5°	3409.3	3404.3	3427.3	3453.6	3489.7	3538.9	3586.5	3635.8	3675.2	3688.3
10°	3417.5	3419.1	3450.3	3499.5	3557.0	3625.9	3693.2	3776.9	3832.8	3845.9
12.5°	3455.2	3451.9	3504.5	3583.3	3662.0	3749.0	3827.8	3919.7	3980.5	4011.7
15°	3524.2	3517.6	3591.5	3708.0	3822.9	3924.7	3988.7	4075.7	4146.3	4185.7
17.5°	3606.2	3609.5	3706.4	3857.4	4008.4	4123.3	4184.0	4228.3	4282.5	4317.0
20°	3750.7	3757.2	3865.6	4044.5	4216.8	4348.2	4397.4	4381.0	4395.8	4422.0
22.5°	3944.4	3947.7	4069.1	4262.8	4443.4	4587.8	4620.6	4553.3	4512.3	4530.4
25°	4169.2	4190.6	4312.1	4510.7	4696.1	4834.0	4848.8	4747.0	4645.3	4650.2
27.5°	4443.4	4463.1	4586.2	4783.1	4971.9	5091.7	5090.1	4953.9	4804.5	4766.7
30°	4740.5	4761.8	4888.2	5091.7	5267.4	5372.4	5349.4	5186.9	4973.6	4903.0
32.5°	5093.4	5106.5	5234.5	5438.1	5600.6	5684.3	5636.7	5436.4	5170.5	5090.1
35°	5520.2	5539.8	5635.1	5827.1	5969.9	6038.8	5958.4	5722.0	5423.3	5333.0
37.5°	6007.7	5994.5	6102.9	6273.6	6391.8	6434.4	6324.5	6043.8	5712.2	5605.5
40°	6516.5	6509.9	6628.1	6792.3	6856.3	6882.5	6720.0	6413.1	6045.4	5930.5
42.5°	6977.7	6972.8	7132.0	7314.2	7391.4	7361.8	7156.7	6805.4	6431.1	6299.8
45°	7347.1	7340.5	7535.8	7791.9	7942.9	7893.7	7617.9	7238.7	6821.8	6685.6
47.5°	7631.0	7634.3	7844.4	8161.2	8425.5	8443.5	8089.0	7680.3	7251.9	7097.6
50°	7836.2	7846.1	8070.9	8422.2	8783.3	8942.5	8569.9	8133.3	7696.7	7522.7
52.5°	7887.1	7905.2	8176.0	8588.0	9013.1	9316.8	9059.1	8568.3	8118.5	7952.8
55°	7616.3	7652.4	7995.4	8574.9	9154.3	9563.0	9489.1	9009.8	8543.7	8373.0
57.5°	6994.2	7045.0	7445.6	8202.3	9123.1	9732.1	9822.4	9433.3	8968.8	8804.7
60°	6122.6	6183.3	6567.4	7393.0	8683.2	9794.5	10057.1	9845.3	9359.5	9200.3
62.5°	4807.8	4886.6	5346.2	6314.6	7754.1	9503.9	10257.3	10217.9	9710.7	9512.1
65°	3084.3	3168.0	3652.2	4796.3	6514.9	8614.3	10319.7	10580.7	10081.7	9804.3
67.5°	1859.7	1897.5	2137.2	2907.0	4761.8	7273.2	9791.2	10982.9	10515.0	10170.3
70°	1190.0	1211.4	1354.2	1707.1	2692.0	5306.8	8481.3	11058.4	11040.3	10546.2
72.5°	807.6	814.2	851.9	1011.1	1523.3	3015.3	6255.5	10011.1	11368.6	11030.5
75°	590.9	627.0	687.8	715.7	865.0	1506.8	3584.9	7033.6	9581.1	9728.8
77.5°	439.9	441.5	525.3	558.1	617.2	802.7	1516.7	3926.3	5948.6	6245.7
80°	372.6	352.9	351.3	449.8	464.5	500.6	677.9	1355.8	2130.6	1291.8
82.5°	310.2	288.9	261.0	351.3	316.8	306.9	293.8	551.5	677.9	333.2
85°	216.7	206.8	197.0	229.8	180.6	154.3	141.2	257.7	285.6	141.2
87.5°	93.6	96.8	98.5	101.8	75.5	54.2	54.2	72.2	72.2	55.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3443.7
3465.1
3548.8
3691.6
3859.0
4024.8
4200.4
4333.4
4441.7
4543.5
4658.4
4778.2
4911.2
5109.8
5346.2
5625.2
5968.3
6332.7
6716.8
7143.5
7575.2
7995.4
8420.6
8842.4
9234.7
9535.1
9838.8
10196.6
10542.9
10977.9
9371.0
5571.0
976.7
284.0
124.7
41.0
0.0

OF REPORT)