

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: P956951

Luminaire Tested: **GALN-SB9B-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956951
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-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36741 lumens
Efficiency: N/A
Efficacy: 111.5 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

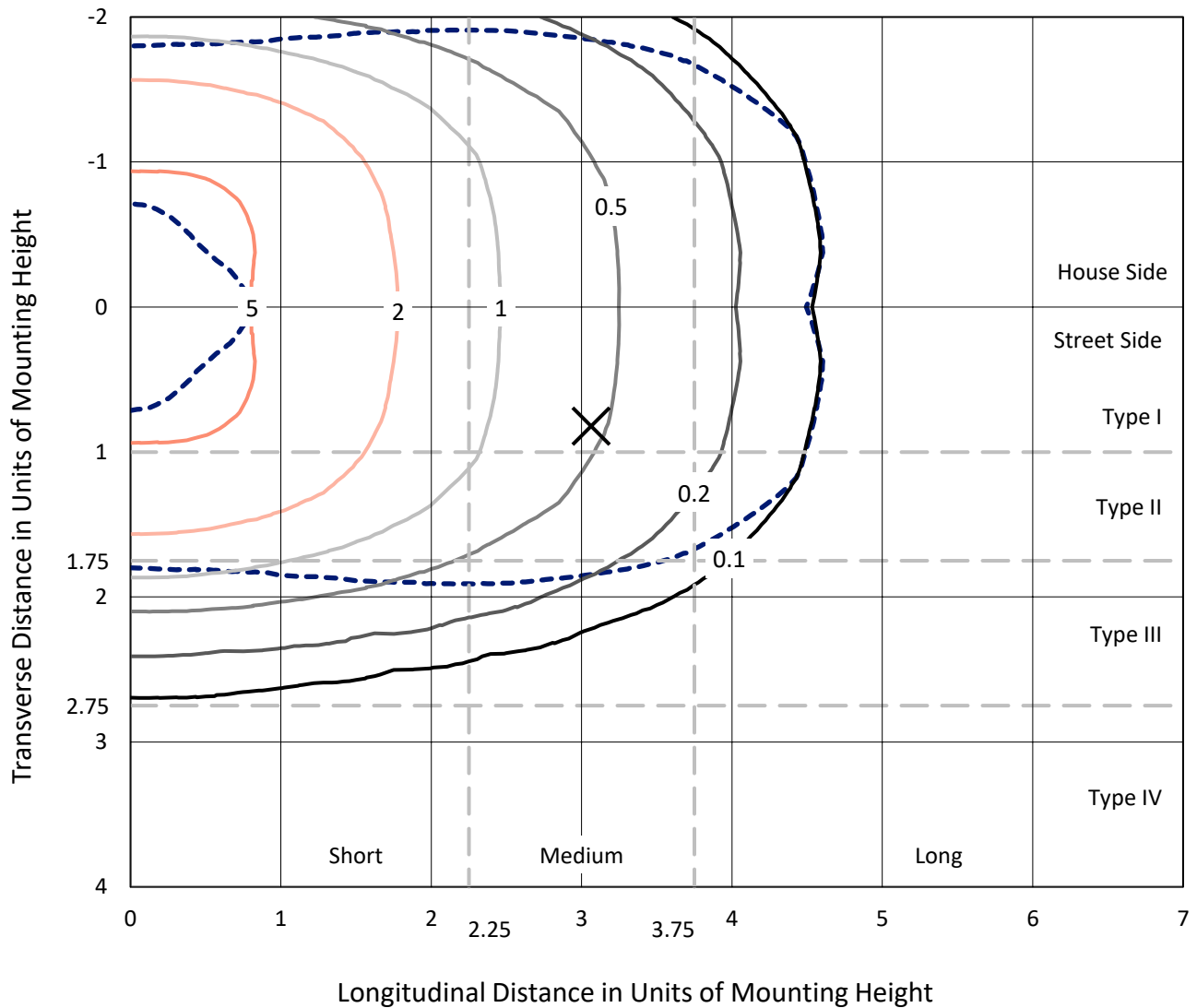
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

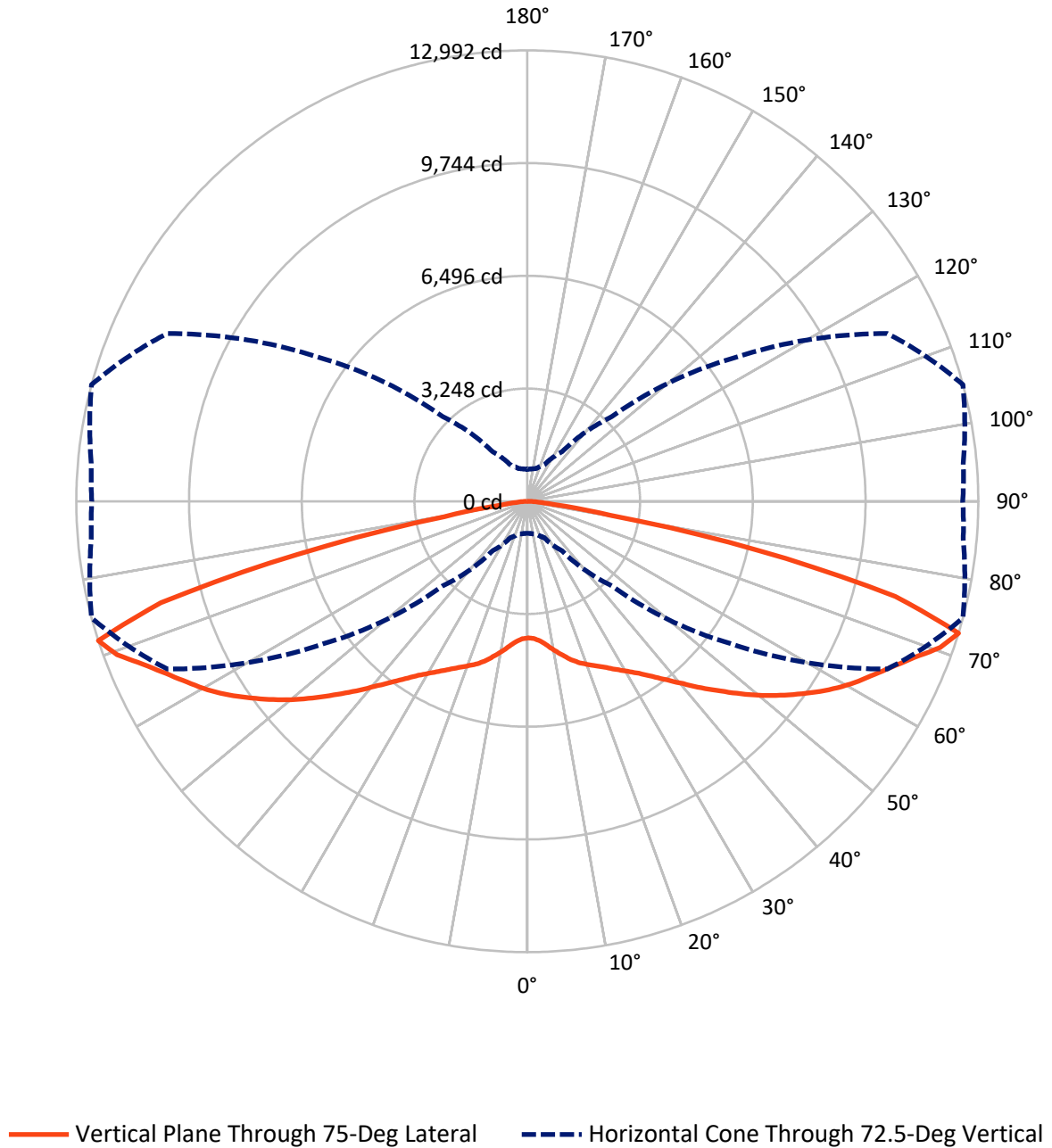
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	18370.5	0.0	18370.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18370.5	0.0	18370.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36741.0	0.0	36741.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.5	1.0
10°-20°	1271.5	3.5
20°-30°	2457.0	6.7
30°-40°	4148.8	11.3
40°-50°	6579.5	17.9
50°-60°	8809.2	24.0
60°-70°	8383.6	22.8
70°-80°	4374.7	11.9
80°-90°	331.1	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°	36741.0	100.0
0°-180°	36741.0	100.0



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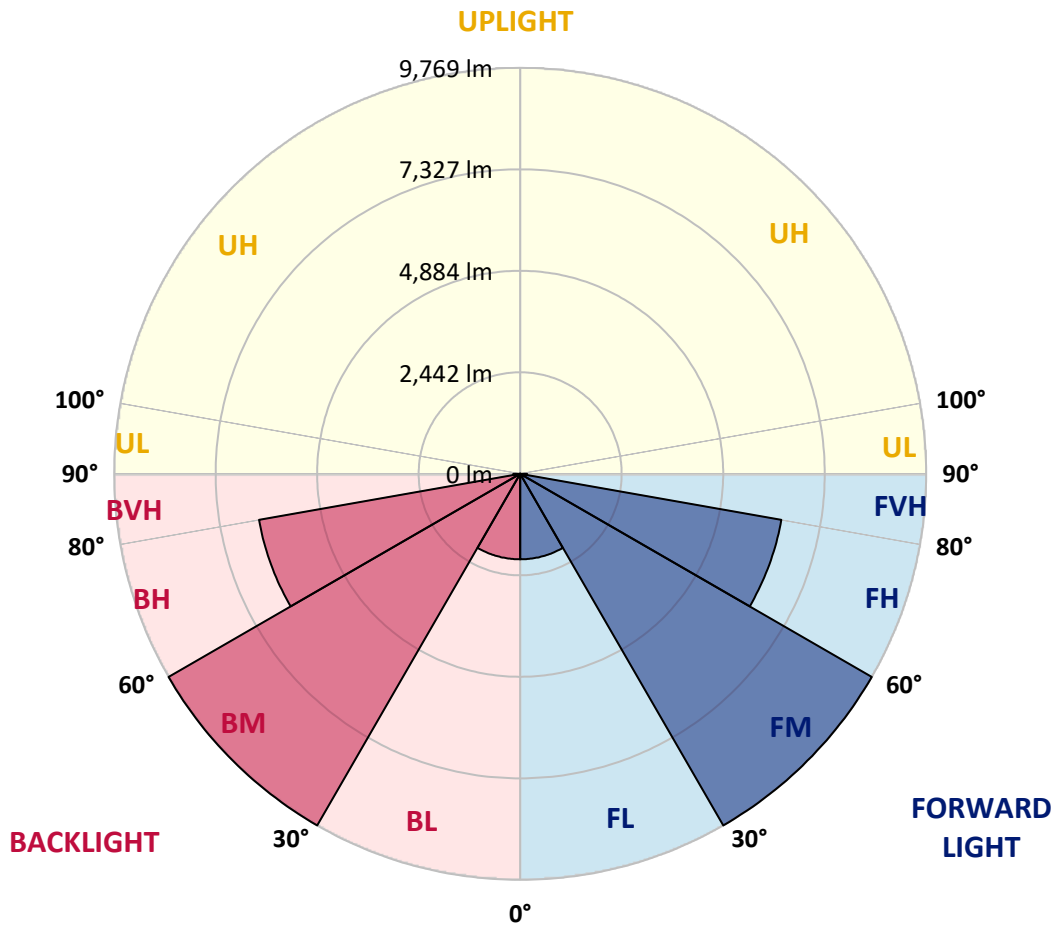
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2057.0	5.6			
FM (30°-60°)	9768.8	26.6			
FH (60°-80°)	6379.1	17.4			G3/7500
FVH (80°-90°)	165.6	0.5			G2/225
BL (0°-30°)	2057.0	5.6	B3/2500		
BM (30°-60°)	9768.8	26.6	B5		
BH (60°-80°)	6379.1	17.4	B5		G5
BVH (80°-90°)	165.6	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°	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6	3935.6
2.5°	3935.6	3931.9	3935.6	3939.4	3937.5	3937.5	3946.9	3952.5	3963.8	3961.9
5°	3909.4	3907.5	3922.5	3939.4	3952.5	3975.0	4003.2	4023.8	4050.0	4055.7
7.5°	3896.2	3890.6	3916.9	3946.9	3988.1	4044.4	4098.8	4155.1	4200.1	4215.1
10°	3905.6	3907.5	3943.1	3999.4	4065.1	4143.8	4220.8	4316.4	4380.2	4395.2
12.5°	3948.8	3945.0	4005.0	4095.1	4185.1	4284.5	4374.6	4479.6	4549.0	4584.7
15°	4027.5	4020.0	4104.4	4237.6	4368.9	4485.3	4558.4	4657.8	4738.5	4783.5
17.5°	4121.3	4125.1	4235.8	4408.3	4580.9	4712.2	4781.6	4832.3	4894.2	4933.6
20°	4286.4	4293.9	4417.7	4622.2	4819.2	4969.2	5025.5	5006.8	5023.6	5053.6
22.5°	4507.8	4511.5	4650.3	4871.7	5078.0	5243.1	5280.6	5203.7	5156.8	5177.5
25°	4764.8	4789.1	4928.0	5154.9	5366.9	5524.5	5541.4	5425.1	5308.8	5314.4
27.5°	5078.0	5100.5	5241.2	5466.3	5682.1	5819.0	5817.1	5661.4	5490.7	5447.6
30°	5417.6	5442.0	5586.4	5819.0	6019.7	6139.8	6113.5	5927.8	5683.9	5603.3
32.5°	5820.9	5835.9	5982.2	6214.8	6400.5	6496.2	6441.8	6213.0	5909.1	5817.1
35°	6308.6	6331.1	6439.9	6659.4	6822.6	6901.4	6809.5	6539.4	6197.9	6094.8
37.5°	6865.8	6850.8	6974.6	7169.7	7304.7	7353.5	7227.8	6907.0	6528.1	6406.2
40°	7447.3	7439.8	7574.8	7762.4	7835.6	7865.6	7679.9	7329.1	6908.9	6777.6
42.5°	7974.4	7968.8	8150.7	8359.0	8447.1	8413.4	8178.9	7777.4	7349.7	7199.7
45°	8396.5	8389.0	8612.2	8904.9	9077.4	9021.2	8706.0	8272.7	7796.2	7640.5
47.5°	8721.0	8724.8	8964.9	9326.9	9628.9	9649.6	9244.4	8777.3	8287.7	8111.4
50°	8955.5	8966.8	9223.8	9625.2	10037.9	10219.9	9794.0	9295.0	8796.1	8597.2
52.5°	9013.7	9034.3	9343.8	9814.7	10300.5	10647.6	10353.0	9792.1	9278.2	9088.7
55°	8704.1	8745.4	9137.5	9799.7	10461.8	10928.9	10844.5	10296.8	9764.0	9568.9
57.5°	7993.2	8051.3	8509.0	9373.8	10426.2	11122.2	11225.3	10780.7	10249.9	10062.3
60°	6997.1	7066.5	7505.4	8449.0	9923.5	11193.4	11493.6	11251.6	10696.3	10514.4
62.5°	5494.5	5584.5	6109.8	7216.6	8861.7	10861.4	11722.4	11677.4	11097.8	10870.8
65°	3524.8	3620.5	4173.9	5481.4	7445.4	9844.7	11793.7	12092.0	11521.7	11204.7
67.5°	2125.4	2168.5	2442.4	3322.2	5442.0	8312.1	11189.7	12551.6	12017.0	11623.0
70°	1360.0	1384.4	1547.6	1950.9	3076.5	6064.8	9692.7	12637.9	12617.2	12052.6
72.5°	922.9	930.4	973.6	1155.5	1740.8	3446.0	7149.0	11441.1	12992.4	12606.0
75°	675.3	716.6	786.0	817.9	988.6	1722.1	4096.9	8038.2	10949.6	11118.4
77.5°	502.7	504.6	600.3	637.8	705.3	917.3	1733.3	4487.1	6798.2	7137.8
80°	425.8	403.3	401.4	514.0	530.9	572.1	774.7	1549.5	2434.9	1476.3
82.5°	354.5	330.2	298.3	401.4	362.0	350.8	335.8	630.3	774.7	380.8
85°	247.6	236.4	225.1	262.6	206.3	176.3	161.3	294.5	326.4	161.3
87.5°	106.9	110.7	112.6	116.3	86.3	61.9	61.9	82.5	82.5	63.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3935.6
3960.0
4055.7
4218.9
4410.2
4599.7
4800.4
4952.4
5076.2
5192.5
5323.8
5460.7
5612.7
5839.6
6109.8
6428.7
6820.7
7237.2
7676.1
8163.9
8657.2
9137.5
9623.3
10105.4
10553.8
10897.0
11244.1
11653.0
12048.8
12546.0
10709.5
6366.8
1116.2
324.5
142.6
46.9
0.0

OF REPORT)