

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: P956947

Luminaire Tested: **GALN-SB9B-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37366 lumens
Efficiency: N/A
Efficacy: 113.4 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

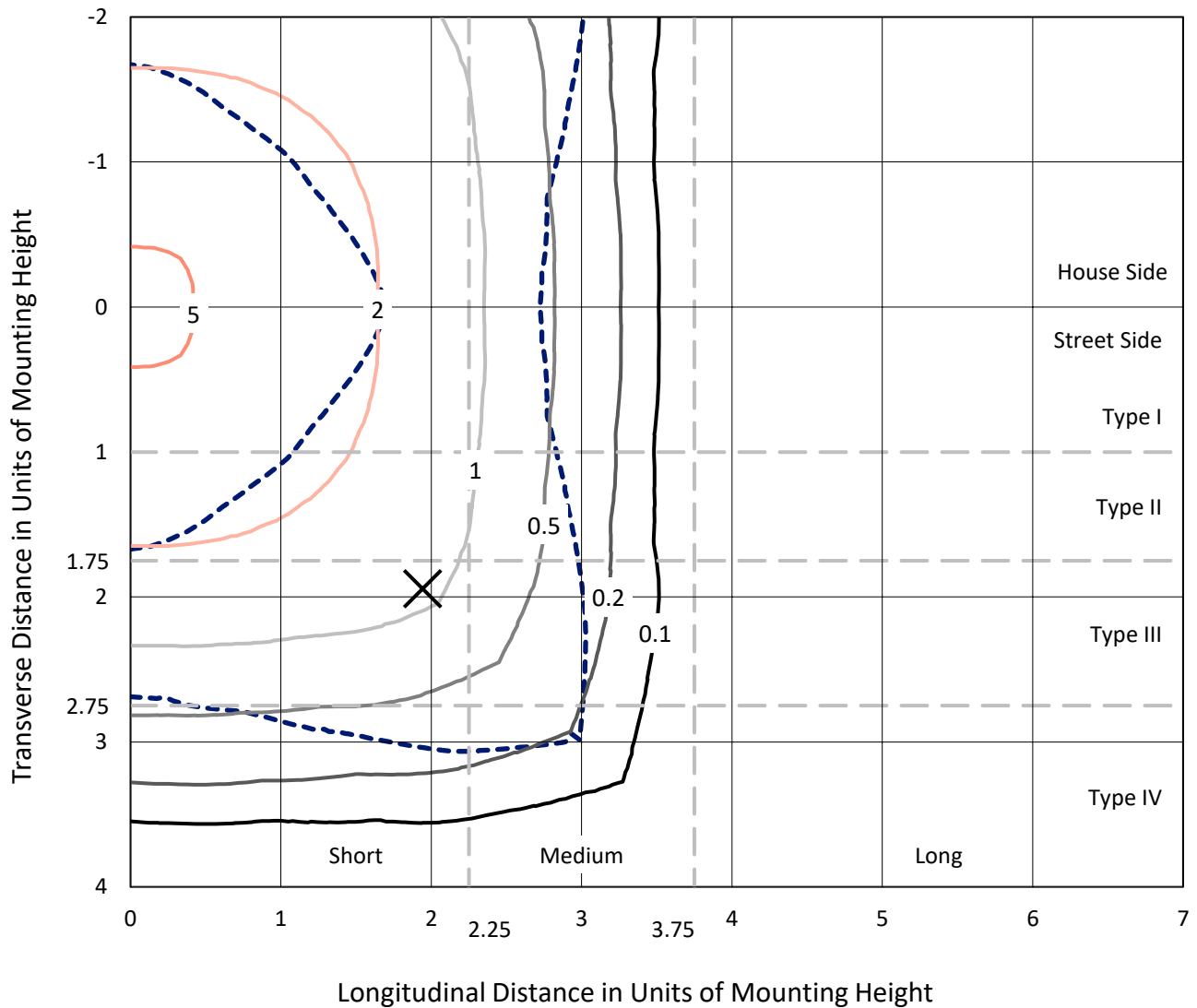
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

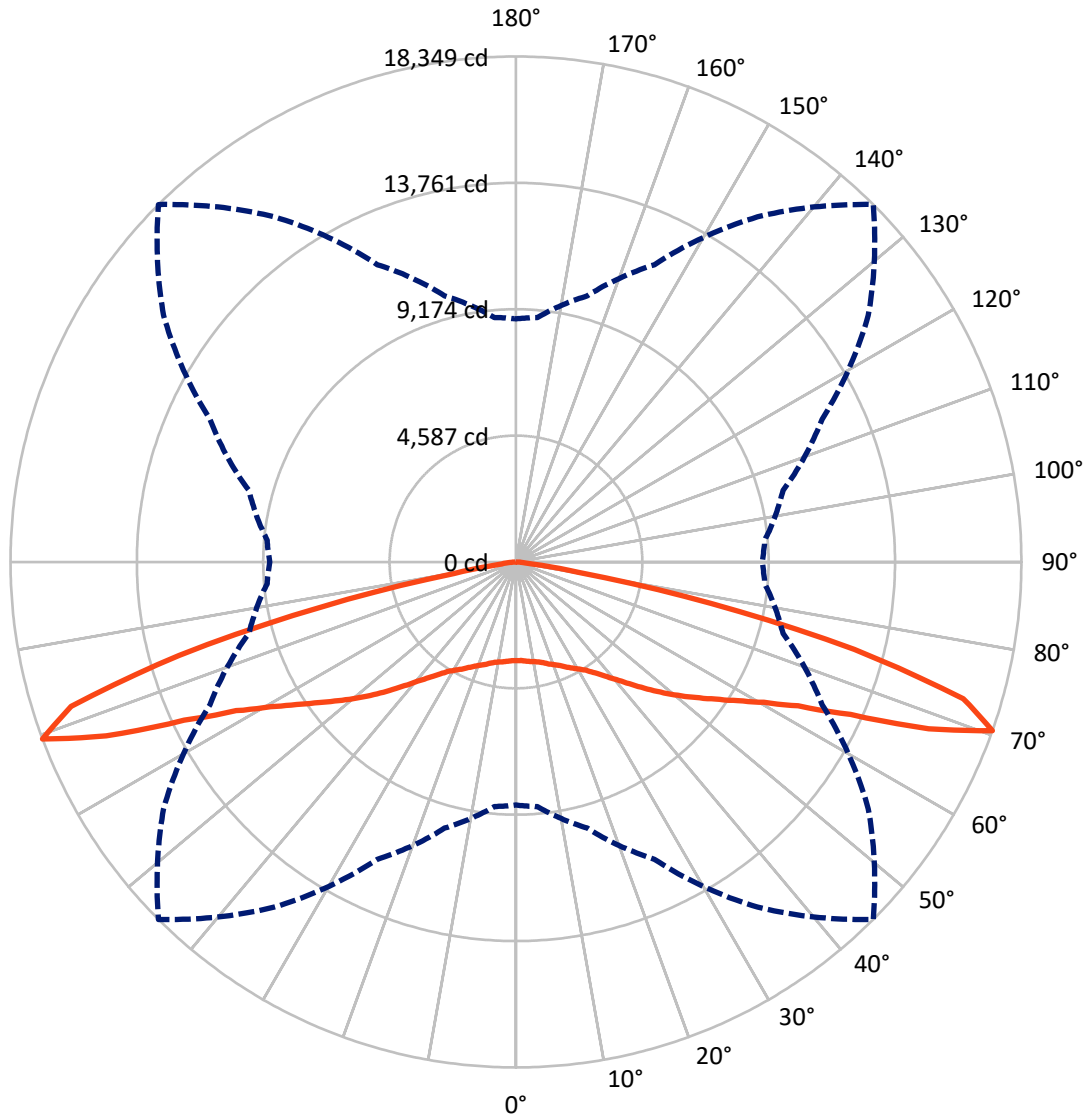
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	18683.0	0.0	18683.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18683.0	0.0	18683.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37366.0	0.0	37366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.7	0.9
10°-20°	1078.3	2.9
20°-30°	1927.0	5.2
30°-40°	3123.6	8.4
40°-50°	5087.9	13.6
50°-60°	7757.2	20.8
60°-70°	11540.3	30.9
70°-80°	6289.9	16.8
80°-90°	214.2	0.6
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°	37366.0	100.0
0°-180°	37366.0	100.0

Coefficient of Utilization



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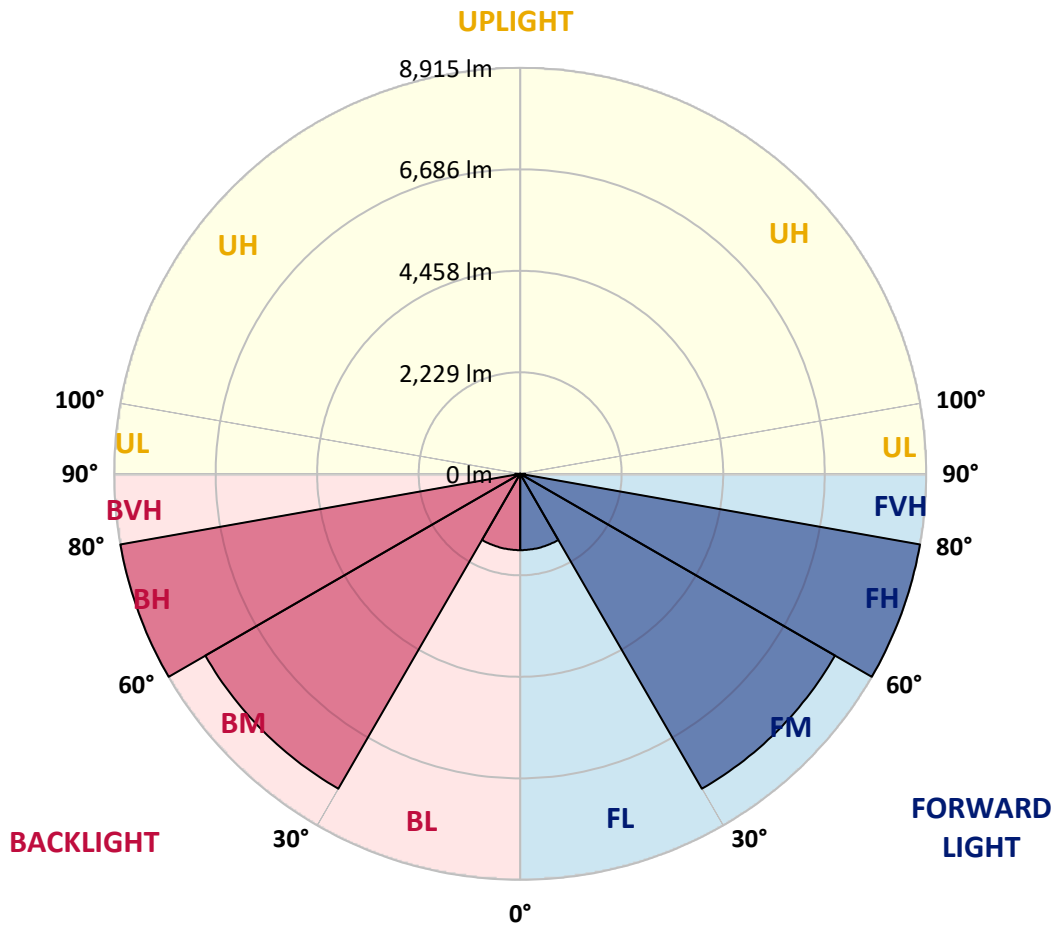
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.5	4.5			
FM (30°-60°)	7984.4	21.4			
FH (60°-80°)	8915.1	23.9			G4/12000
FVH (80°-90°)	107.1	0.3			G2/225
BL (0°-30°)	1676.5	4.5	B3/2500		
BM (30°-60°)	7984.4	21.4	B4/8500		
BH (60°-80°)	8915.1	23.9	B5		G4/12000
BVH (80°-90°)	107.1	0.3			G2/225
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°	3579.3	3579.3	3579.3	3579.3	3579.3	3579.3	3579.3	3579.3	3579.3	3579.3
2.5°	3596.2	3599.9	3592.4	3588.7	3584.9	3579.3	3581.2	3590.5	3598.0	3596.2
5°	3626.2	3629.9	3624.3	3622.4	3614.9	3613.0	3613.0	3622.4	3628.1	3624.3
7.5°	3659.9	3665.6	3656.2	3654.3	3650.6	3646.8	3644.9	3654.3	3659.9	3659.9
10°	3691.8	3697.5	3690.0	3684.3	3680.6	3680.6	3676.8	3684.3	3693.7	3691.8
12.5°	3725.6	3729.4	3721.8	3718.1	3718.1	3723.7	3718.1	3721.8	3729.4	3725.6
15°	3766.9	3768.7	3766.9	3772.5	3781.9	3800.6	3783.8	3780.0	3783.8	3774.4
17.5°	3823.1	3826.9	3834.4	3847.5	3860.7	3894.4	3864.4	3855.0	3855.0	3836.3
20°	3892.6	3898.2	3909.4	3932.0	3948.8	3980.7	3950.7	3937.6	3932.0	3907.6
22.5°	3965.7	3975.1	3992.0	4022.0	4052.0	4082.0	4052.0	4029.5	4012.6	3980.7
25°	4050.1	4061.4	4087.7	4136.4	4177.7	4220.8	4185.2	4140.2	4106.4	4061.4
27.5°	4170.2	4183.3	4215.2	4275.2	4327.8	4365.3	4331.5	4273.4	4226.5	4172.1
30°	4339.0	4352.2	4389.7	4453.5	4489.1	4513.5	4491.0	4446.0	4389.7	4327.8
32.5°	4556.6	4573.5	4614.8	4674.8	4682.3	4686.1	4678.6	4656.1	4614.8	4539.8
35°	4832.4	4851.2	4898.1	4946.8	4939.3	4946.8	4935.6	4928.1	4898.1	4811.8
37.5°	5170.1	5192.6	5241.4	5278.9	5260.1	5250.7	5252.6	5254.5	5237.6	5141.9
40°	5562.1	5592.1	5627.8	5667.2	5635.3	5607.2	5625.9	5640.9	5625.9	5528.4
42.5°	5965.5	6008.6	6046.1	6102.4	6076.1	6040.5	6066.8	6083.6	6051.8	5946.7
45°	6413.8	6455.1	6503.9	6588.3	6569.5	6532.0	6569.5	6573.3	6518.9	6395.0
47.5°	6877.2	6920.3	6993.5	7106.0	7098.5	7057.3	7106.0	7079.8	7010.4	6862.2
50°	7316.1	7376.2	7488.7	7646.3	7661.3	7610.7	7676.3	7625.7	7509.4	7323.6
52.5°	7728.8	7792.6	7970.8	8184.7	8239.1	8173.4	8261.6	8173.4	7999.0	7760.7
55°	8162.2	8233.5	8445.4	8725.0	8833.8	8785.0	8867.5	8734.3	8486.7	8197.8
57.5°	8672.4	8715.6	8968.8	9300.9	9484.7	9496.0	9533.5	9308.4	9008.2	8679.9
60°	9225.8	9285.9	9561.6	9959.3	10250.1	10343.9	10304.5	9970.6	9621.6	9244.6
62.5°	9934.9	10000.6	10330.8	10807.2	11266.8	11499.5	11345.6	10861.6	10430.2	9978.1
65°	10522.1	10595.3	11191.8	12041.6	12878.3	13345.4	12958.9	12067.9	11291.2	10653.4
67.5°	10096.3	10186.3	11122.4	12683.2	14763.6	16157.4	14834.9	12874.5	11353.1	10488.3
70°	8824.4	8908.8	10000.6	11908.4	15294.5	18348.5	15613.4	12259.2	10036.2	9068.2
72.5°	5858.5	6130.5	7235.5	9524.1	13656.8	16979.1	13791.8	9330.9	6712.1	5845.4
75°	1943.5	2161.1	2915.2	4937.5	9147.0	12698.2	8708.1	4369.0	2309.3	1662.1
77.5°	489.6	564.7	778.5	1412.6	3648.7	7229.8	3284.8	1153.7	628.4	439.0
80°	238.2	262.6	375.2	470.9	913.6	2298.0	857.3	442.7	296.4	228.9
82.5°	131.3	133.2	212.0	266.4	339.5	594.7	352.7	258.9	170.7	138.8
85°	80.7	78.8	112.6	142.6	142.6	212.0	168.8	142.6	97.5	86.3
87.5°	31.9	31.9	41.3	45.0	39.4	54.4	43.1	46.9	37.5	35.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3579.3
3598.0
3626.2
3659.9
3691.8
3723.7
3774.4
3836.3
3907.6
3978.8
4059.5
4170.2
4327.8
4541.6
4811.8
5141.9
5528.4
5954.2
6408.2
6852.8
7319.9
7738.2
8158.4
8634.9
9184.6
9899.3
10548.4
10358.9
8938.8
5655.9
1572.0
392.1
210.1
138.8
90.0
37.5
0.0

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