

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: P954448

Luminaire Tested: **GALN-SB7C-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954448
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-SB7C-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38801 lumens
Efficiency: N/A
Efficacy: 110.7 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

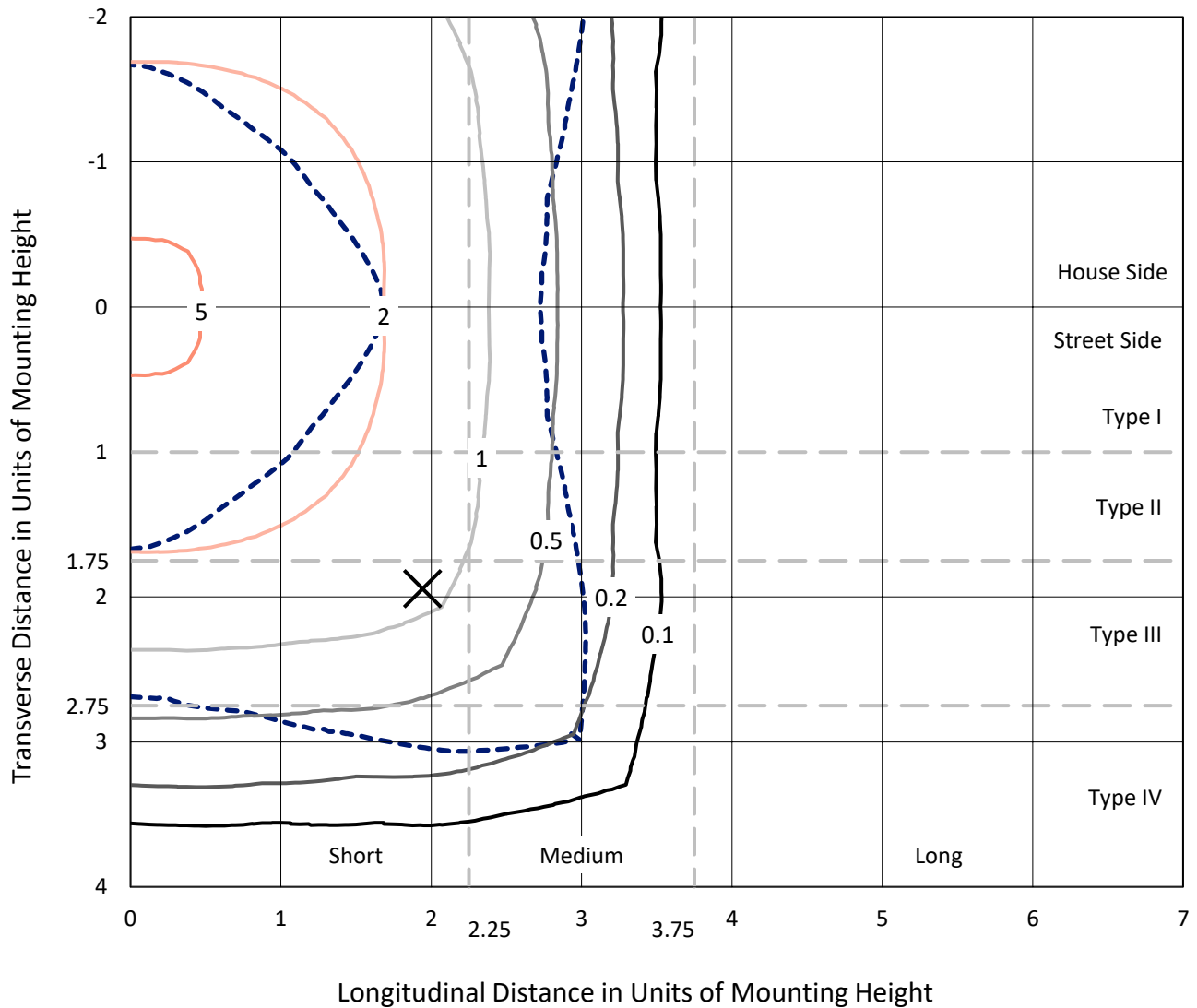
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

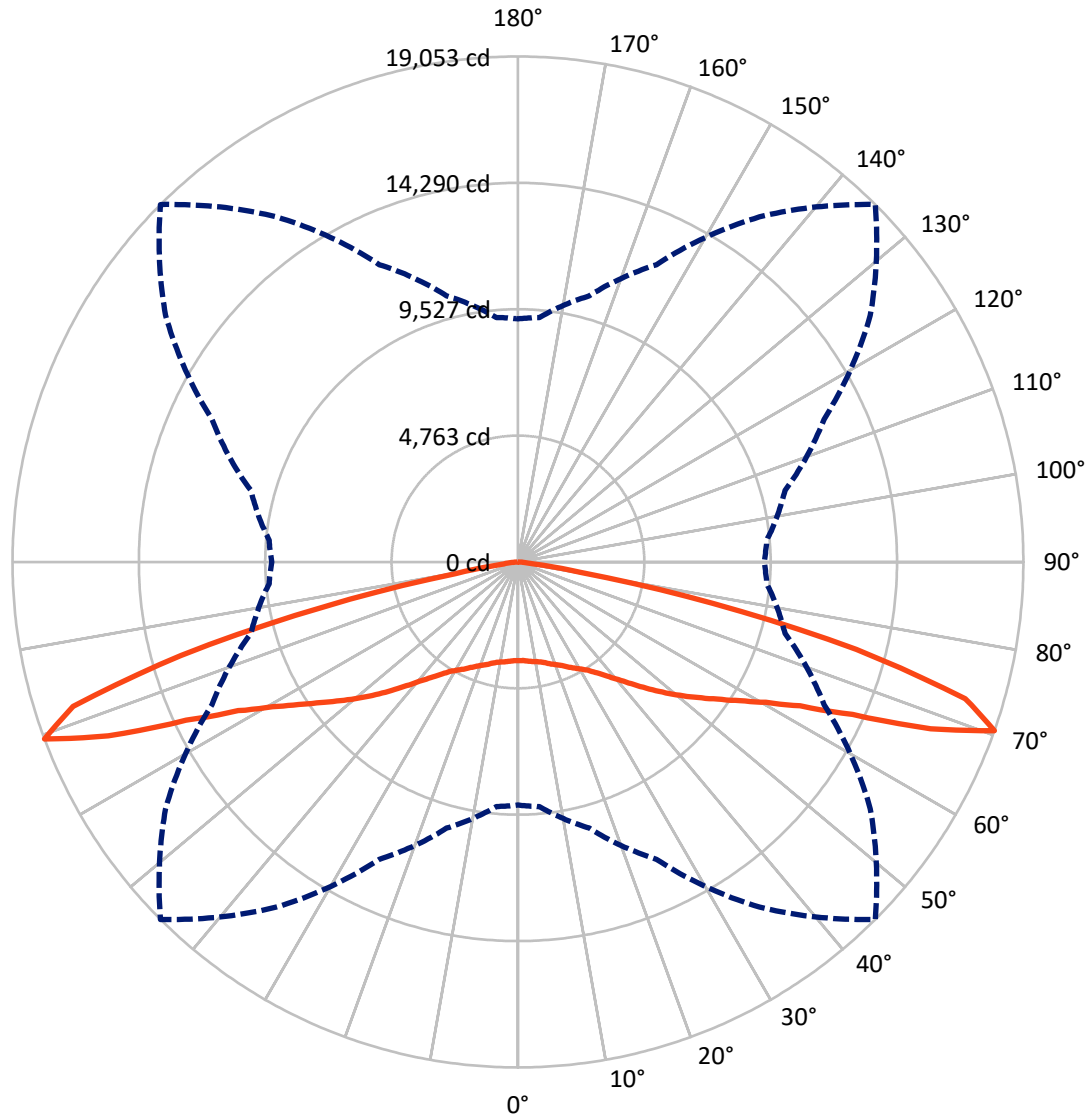
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	19400.5	0.0	19400.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19400.5	0.0	19400.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38801.0	0.0	38801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.1	0.9
10°-20°	1119.7	2.9
20°-30°	2001.0	5.2
30°-40°	3243.6	8.4
40°-50°	5283.2	13.6
50°-60°	8055.2	20.8
60°-70°	11983.5	30.9
70°-80°	6531.4	16.8
80°-90°	222.4	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°	38801.0	100.0
0°-180°	38801.0	100.0

Coefficient of Utilization



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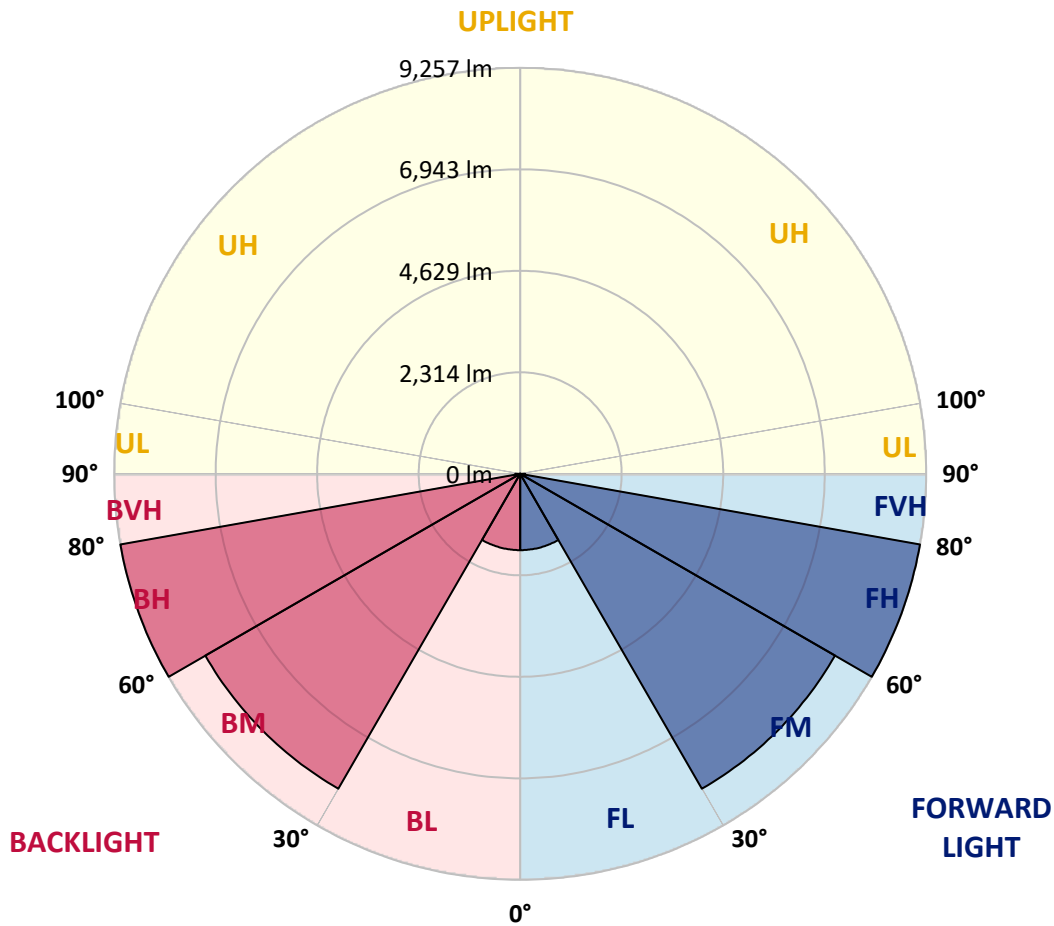
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1740.9	4.5			
FM (30°-60°)	8291.0	21.4			
FH (60°-80°)	9257.4	23.9			G4/12000
FVH (80°-90°)	111.2	0.3			G2/225
BL (0°-30°)	1740.9	4.5	B3/2500		
BM (30°-60°)	8291.0	21.4	B4/8500		
BH (60°-80°)	9257.4	23.9	B5		G4/12000
BVH (80°-90°)	111.2	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°	3716.7	3716.7	3716.7	3716.7	3716.7	3716.7	3716.7	3716.7	3716.7	3716.7
2.5°	3734.3	3738.2	3730.4	3726.5	3722.6	3716.7	3718.7	3728.4	3736.2	3734.3
5°	3765.4	3769.3	3763.5	3761.5	3753.7	3751.8	3751.8	3761.5	3767.4	3763.5
7.5°	3800.5	3806.3	3796.6	3794.7	3790.8	3786.9	3784.9	3794.7	3800.5	3800.5
10°	3833.6	3839.5	3831.7	3825.8	3821.9	3821.9	3818.0	3825.8	3835.6	3833.6
12.5°	3868.7	3872.6	3864.8	3860.9	3860.9	3866.7	3860.9	3864.8	3872.6	3868.7
15°	3911.5	3913.5	3911.5	3917.4	3927.1	3946.6	3929.1	3925.2	3929.1	3919.3
17.5°	3970.0	3973.9	3981.7	3995.3	4008.9	4044.0	4012.8	4003.1	4003.1	3983.6
20°	4042.0	4047.9	4059.6	4083.0	4100.5	4133.6	4102.4	4088.8	4083.0	4057.6
22.5°	4118.0	4127.8	4145.3	4176.5	4207.6	4238.8	4207.6	4184.2	4166.7	4133.6
25°	4205.7	4217.4	4244.6	4295.3	4338.1	4382.9	4345.9	4299.2	4264.1	4217.4
27.5°	4330.3	4344.0	4377.1	4439.4	4494.0	4532.9	4497.9	4437.5	4388.8	4332.3
30°	4505.7	4519.3	4558.3	4624.5	4661.5	4686.8	4663.4	4616.7	4558.3	4494.0
32.5°	4731.6	4749.2	4792.0	4854.4	4862.1	4866.0	4858.2	4834.9	4792.0	4714.1
35°	5018.0	5037.5	5086.2	5136.8	5129.0	5136.8	5125.1	5117.3	5086.2	4996.6
37.5°	5368.6	5392.0	5442.6	5481.6	5462.1	5452.4	5454.3	5456.3	5438.7	5339.4
40°	5775.7	5806.9	5843.9	5884.8	5851.7	5822.5	5842.0	5857.6	5842.0	5740.7
42.5°	6194.6	6239.4	6278.3	6336.8	6309.5	6272.5	6299.7	6317.3	6284.2	6175.1
45°	6660.1	6703.0	6753.6	6841.3	6821.8	6782.8	6821.8	6825.7	6769.2	6640.6
47.5°	7141.3	7186.1	7262.0	7378.9	7371.1	7328.3	7378.9	7351.7	7279.6	7125.7
50°	7597.1	7659.4	7776.3	7939.9	7955.5	7902.9	7971.1	7918.5	7797.7	7604.9
52.5°	8025.7	8091.9	8276.9	8499.0	8555.5	8487.3	8578.9	8487.3	8306.2	8058.8
55°	8475.6	8549.7	8769.8	9060.0	9173.0	9122.4	9208.1	9069.8	8812.6	8512.6
57.5°	9005.5	9050.3	9313.3	9658.1	9849.0	9860.6	9899.6	9665.8	9354.2	9013.3
60°	9580.1	9642.5	9928.8	10341.8	10643.7	10741.1	10700.2	10353.5	9991.2	9599.6
62.5°	10316.5	10384.6	10727.5	11222.3	11699.5	11941.1	11781.3	11278.8	10830.7	10361.3
65°	10926.2	11002.2	11621.6	12504.0	13372.8	13857.9	13456.6	12531.3	11724.9	11062.5
67.5°	10484.0	10577.5	11549.5	13170.3	15330.6	16777.9	15404.6	13368.9	11789.1	10891.1
70°	9163.3	9250.9	10384.6	12365.7	15881.8	19053.1	16213.0	12730.0	10421.7	9416.5
72.5°	6083.5	6366.0	7513.3	9889.9	14181.3	17631.1	14321.5	9689.2	6969.9	6069.9
75°	2018.1	2244.1	3027.2	5127.1	9498.3	13185.8	9042.5	4536.8	2398.0	1725.9
77.5°	508.4	586.3	808.4	1466.8	3788.8	7507.5	3410.9	1198.0	652.6	455.8
80°	247.4	272.7	389.6	488.9	948.7	2386.3	890.2	459.7	307.8	237.7
82.5°	136.4	138.3	220.1	276.6	352.6	617.5	366.2	268.8	177.3	144.2
85°	83.8	81.8	116.9	148.0	148.0	220.1	175.3	148.0	101.3	89.6
87.5°	33.1	33.1	42.9	46.8	40.9	56.5	44.8	48.7	39.0	37.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3716.7
3736.2
3765.4
3800.5
3833.6
3866.7
3919.3
3983.6
4057.6
4131.7
4215.4
4330.3
4494.0
4716.0
4996.6
5339.4
5740.7
6182.9
6654.3
7115.9
7601.0
8035.4
8471.7
8966.5
9537.3
10279.5
10953.5
10756.7
9282.1
5873.1
1632.4
407.1
218.2
144.2
93.5
39.0
0.0

OF REPORT)