

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: P954427

Luminaire Tested: **GALN-SB7C-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954427
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-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40418 lumens
Efficiency: N/A
Efficacy: 115.3 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

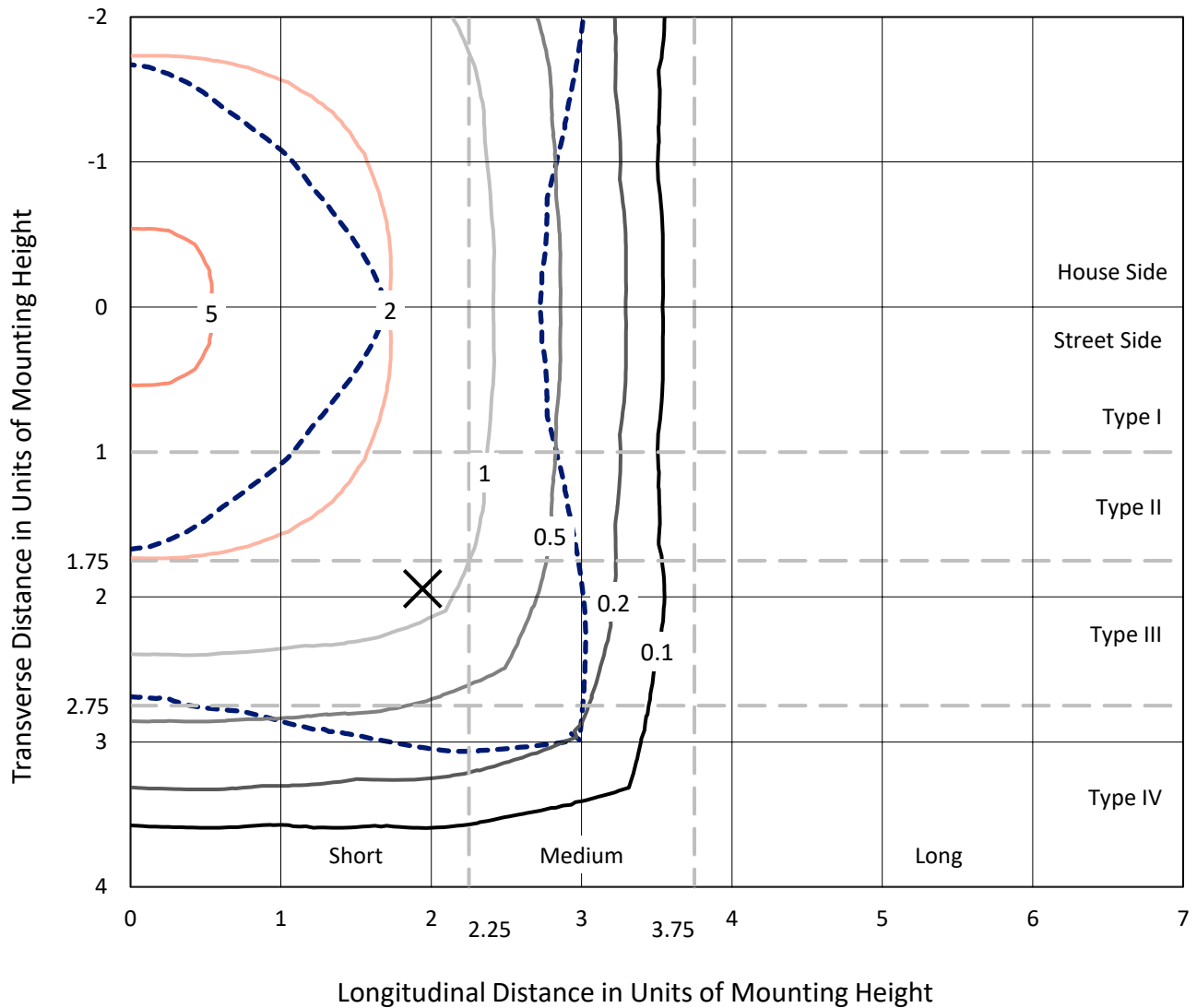
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

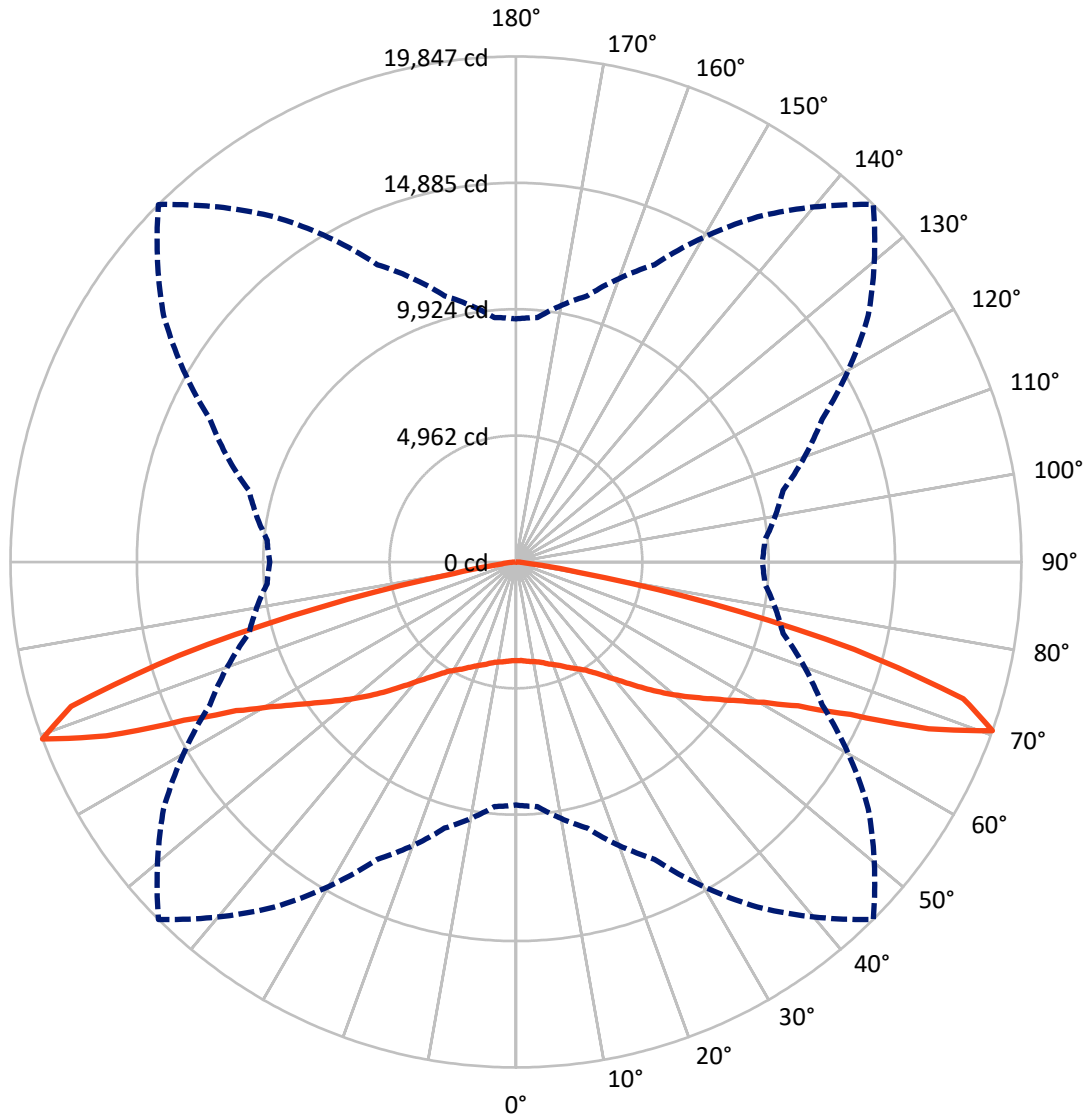
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	20209.0	0.0	20209.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20209.0	0.0	20209.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40418.0	0.0	40418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	0.9
10°-20°	1166.3	2.9
20°-30°	2084.4	5.2
30°-40°	3378.7	8.4
40°-50°	5503.4	13.6
50°-60°	8390.8	20.8
60°-70°	12482.9	30.9
70°-80°	6803.6	16.8
80°-90°	231.7	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°	40418.0	100.0
0°-180°	40418.0	100.0

Coefficient of Utilization



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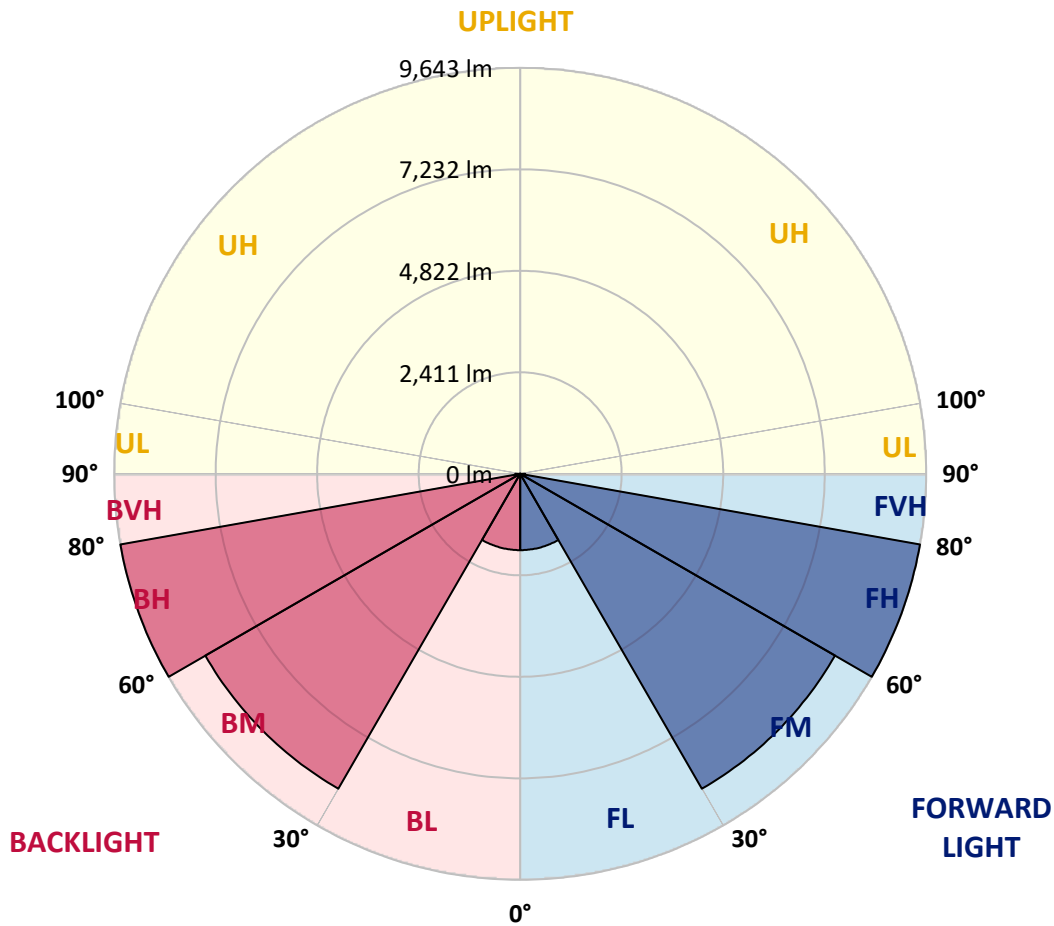
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1813.4	4.5			
FM (30°-60°)	8636.5	21.4			
FH (60°-80°)	9643.2	23.9			G4/12000
FVH (80°-90°)	115.8	0.3			G2/225
BL (0°-30°)	1813.4	4.5	B3/2500		
BM (30°-60°)	8636.5	21.4	B5		
BH (60°-80°)	9643.2	23.9	B5		G4/12000
BVH (80°-90°)	115.8	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°	3871.6	3871.6	3871.6	3871.6	3871.6	3871.6	3871.6	3871.6	3871.6	3871.6
2.5°	3889.9	3893.9	3885.8	3881.8	3877.7	3871.6	3873.7	3883.8	3891.9	3889.9
5°	3922.4	3926.4	3920.3	3918.3	3910.2	3908.2	3908.2	3918.3	3924.4	3920.3
7.5°	3958.9	3965.0	3954.8	3952.8	3948.7	3944.7	3942.6	3952.8	3958.9	3958.9
10°	3993.4	3999.5	3991.3	3985.3	3981.2	3981.2	3977.1	3985.3	3995.4	3993.4
12.5°	4029.9	4034.0	4025.8	4021.8	4021.8	4027.9	4021.8	4025.8	4034.0	4029.9
15°	4074.5	4076.6	4074.5	4080.6	4090.8	4111.1	4092.8	4088.7	4092.8	4082.7
17.5°	4135.4	4139.5	4147.6	4161.8	4176.0	4212.5	4180.1	4169.9	4169.9	4149.6
20°	4210.5	4216.6	4228.8	4253.1	4271.4	4305.9	4273.4	4259.2	4253.1	4226.7
22.5°	4289.6	4299.8	4318.0	4350.5	4383.0	4415.4	4383.0	4358.6	4340.4	4305.9
25°	4380.9	4393.1	4421.5	4474.3	4518.9	4565.6	4527.0	4478.3	4441.8	4393.1
27.5°	4510.8	4525.0	4559.5	4624.4	4681.3	4721.8	4685.3	4622.4	4571.7	4512.8
30°	4693.4	4707.6	4748.2	4817.2	4855.8	4882.1	4857.8	4809.1	4748.2	4681.3
32.5°	4928.8	4947.1	4991.7	5056.7	5064.8	5068.8	5060.7	5036.4	4991.7	4910.6
35°	5227.1	5247.4	5298.1	5350.9	5342.8	5350.9	5338.7	5330.6	5298.1	5204.8
37.5°	5592.3	5616.7	5669.5	5710.0	5689.7	5679.6	5681.6	5683.7	5665.4	5561.9
40°	6016.4	6048.9	6087.5	6130.1	6095.6	6065.1	6085.4	6101.7	6085.4	5979.9
42.5°	6452.7	6499.4	6540.0	6600.8	6572.4	6533.9	6562.3	6580.5	6546.1	6432.4
45°	6937.7	6982.3	7035.1	7126.4	7106.1	7065.5	7106.1	7110.2	7051.3	6917.4
47.5°	7438.9	7485.5	7564.7	7686.4	7678.3	7633.7	7686.4	7658.0	7582.9	7422.6
50°	7913.7	7978.6	8100.4	8270.8	8287.1	8232.3	8303.3	8248.5	8122.7	7921.8
52.5°	8360.1	8429.1	8621.9	8853.2	8912.0	8841.0	8936.4	8841.0	8652.3	8394.6
55°	8828.8	8906.0	9135.3	9437.6	9555.3	9502.5	9591.8	9447.7	9179.9	8867.4
57.5°	9380.8	9427.5	9701.4	10060.5	10259.4	10271.6	10312.2	10068.7	9744.0	9388.9
60°	9979.4	10044.3	10342.6	10772.8	11087.3	11188.8	11146.1	10785.0	10407.5	9999.7
62.5°	10746.4	10817.4	11174.6	11690.0	12187.1	12438.7	12272.3	11748.8	11282.1	10793.1
65°	11381.5	11460.7	12105.9	13025.1	13930.1	14435.4	14017.4	13053.5	12213.5	11523.6
67.5°	10920.9	11018.3	12030.9	13719.1	15969.4	17477.1	16046.6	13926.1	12280.4	11345.0
70°	9545.1	9636.5	10817.4	12881.1	16543.7	19847.2	16888.6	13260.5	10856.0	9808.9
72.5°	6337.0	6631.3	7826.4	10302.0	14772.2	18365.9	14918.3	10093.0	7260.3	6322.8
75°	2102.2	2337.6	3153.3	5340.7	9894.2	13735.3	9419.3	4725.9	2497.9	1797.8
77.5°	529.6	610.8	842.1	1528.0	3946.7	7820.4	3553.0	1247.9	679.8	474.8
80°	257.7	284.1	405.8	509.3	988.2	2485.7	927.3	478.9	320.6	247.6
82.5°	142.0	144.1	229.3	288.1	367.3	643.2	381.5	280.0	184.7	150.2
85°	87.3	85.2	121.7	154.2	154.2	229.3	182.6	154.2	105.5	93.3
87.5°	34.5	34.5	44.6	48.7	42.6	58.8	46.7	50.7	40.6	38.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3871.6
3891.9
3922.4
3958.9
3993.4
4027.9
4082.7
4149.6
4226.7
4303.8
4391.1
4510.8
4681.3
4912.6
5204.8
5561.9
5979.9
6440.5
6931.6
7412.5
7917.8
8370.3
8824.8
9340.2
9934.7
10707.8
11409.9
11205.0
9668.9
6117.9
1700.4
424.1
227.3
150.2
97.4
40.6
0.0

OF REPORT)