

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: P954428

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40442 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

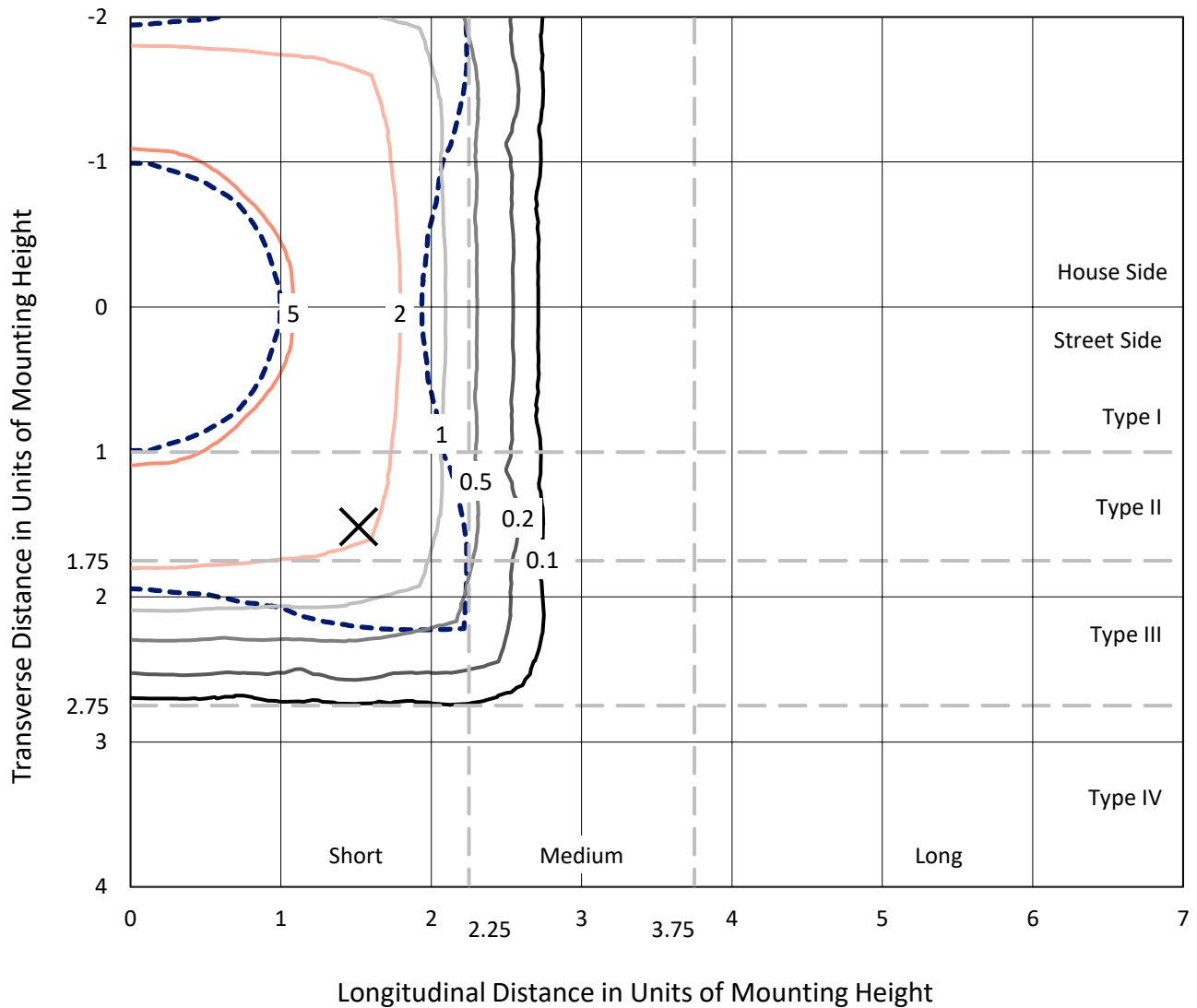
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

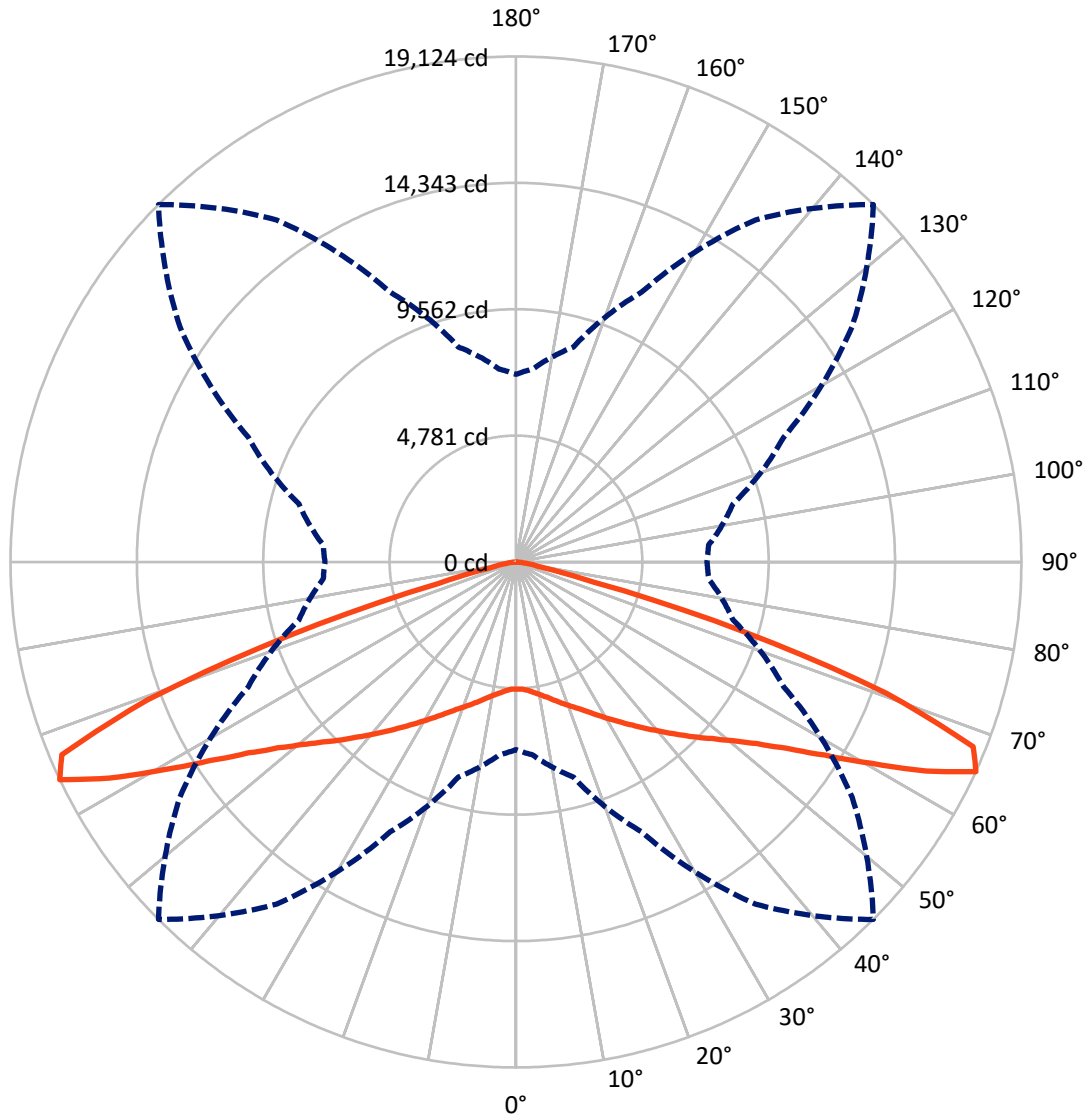
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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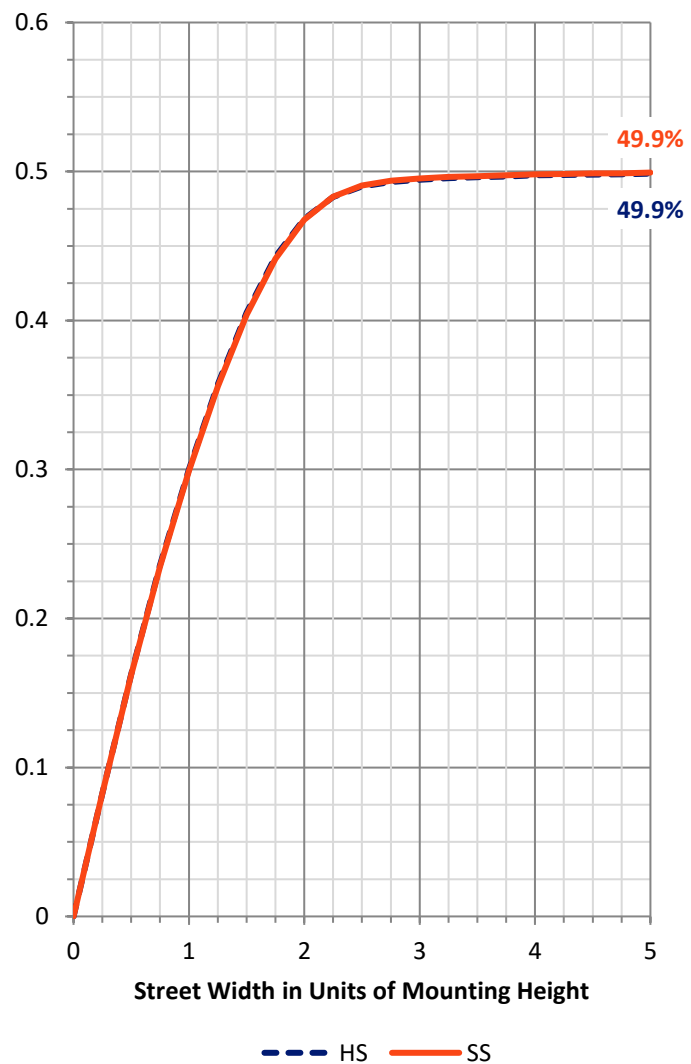
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20221.0	0.0	20221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20221.0	0.0	20221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40442.0	0.0	40442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.0	1.2
10°-20°	1550.0	3.8
20°-30°	2926.5	7.2
30°-40°	4792.0	11.8
40°-50°	7430.1	18.4
50°-60°	10975.8	27.1
60°-70°	10447.9	25.8
70°-80°	1685.9	4.2
80°-90°	158.9	0.4
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°	40442.0	100.0
0°-180°	40442.0	100.0

Coefficient of Utilization



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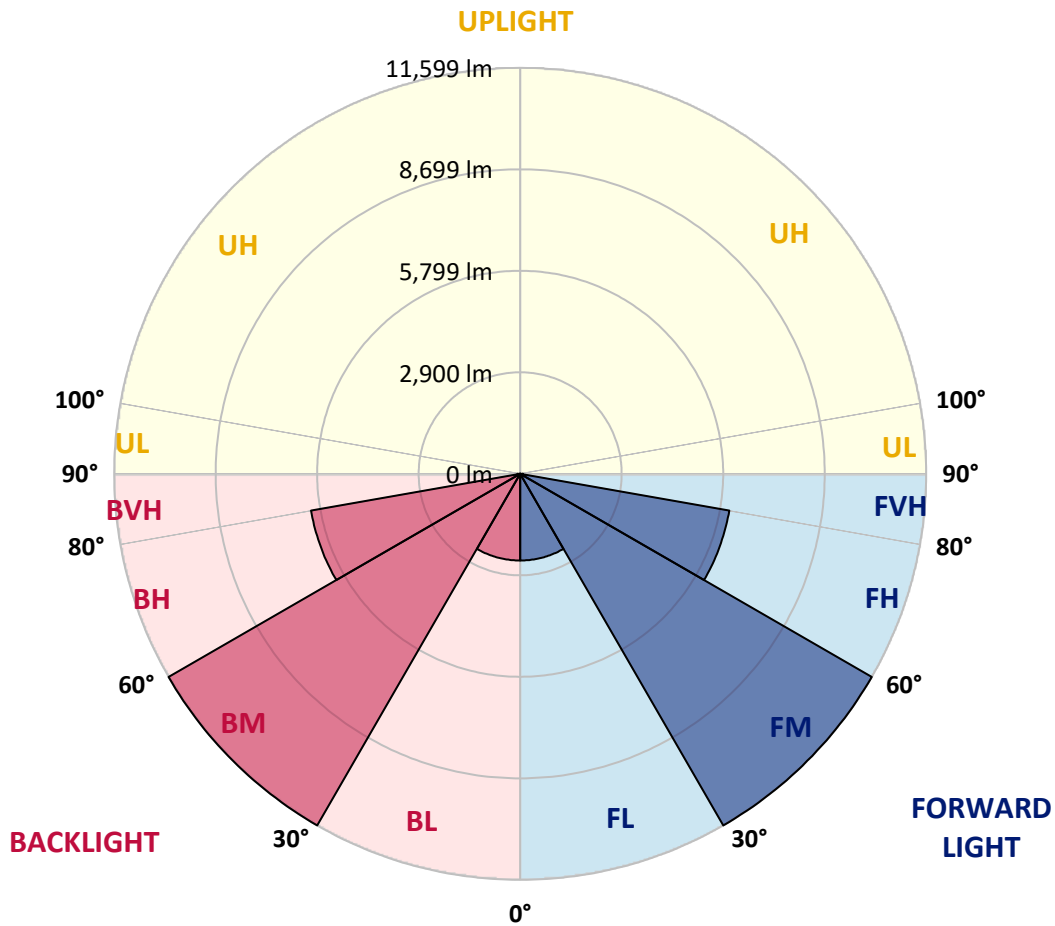
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2475.7	6.1			
FM (30°-60°)	11598.9	28.7			
FH (60°-80°)	6066.9	15.0			G3/7500
FVH (80°-90°)	79.5	0.2			G1/100
BL (0°-30°)	2475.7	6.1	B3/2500		
BM (30°-60°)	11598.9	28.7	B5		
BH (60°-80°)	6066.9	15.0	B5		G3/7500
BVH (80°-90°)	79.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4813.0	4813.0	4813.0	4813.0	4813.0	4813.0	4813.0	4813.0	4813.0	4813.0
2.5°	4845.5	4829.2	4841.4	4831.3	4823.1	4815.0	4819.1	4833.3	4839.4	4841.4
5°	4910.4	4896.2	4902.3	4902.3	4888.1	4884.0	4886.0	4896.2	4908.4	4908.4
7.5°	5015.9	5001.7	5015.9	5007.8	4995.6	4991.6	4989.5	4997.6	5015.9	5015.9
10°	5143.7	5127.5	5135.6	5131.6	5117.4	5111.3	5109.2	5121.4	5137.7	5135.6
12.5°	5283.8	5265.5	5275.6	5263.5	5259.4	5253.3	5253.3	5251.3	5261.4	5253.3
15°	5440.0	5427.8	5431.9	5423.8	5429.8	5425.8	5409.6	5401.4	5405.5	5393.3
17.5°	5624.6	5596.2	5610.4	5606.4	5606.4	5614.5	5588.1	5578.0	5586.1	5573.9
20°	5837.7	5809.3	5815.4	5807.3	5797.1	5805.2	5772.8	5780.9	5787.0	5778.8
22.5°	6071.0	6034.5	6032.5	6036.5	6014.2	6016.3	5993.9	6014.2	6026.4	6004.1
25°	6310.5	6271.9	6298.3	6288.2	6259.7	6265.8	6249.6	6269.9	6280.0	6251.6
27.5°	6564.1	6537.7	6562.1	6568.2	6533.7	6558.0	6533.7	6551.9	6562.1	6519.5
30°	6860.4	6834.0	6856.3	6872.5	6831.9	6870.5	6850.2	6862.4	6864.4	6813.7
32.5°	7183.0	7142.4	7199.2	7207.3	7162.7	7209.4	7183.0	7199.2	7209.4	7140.4
35°	7576.6	7525.9	7590.8	7580.7	7542.1	7580.7	7556.3	7580.7	7605.0	7521.8
37.5°	8000.7	7947.9	8016.9	7998.7	7962.2	7988.5	7974.3	7990.6	8029.1	7939.8
40°	8467.4	8402.5	8495.8	8463.3	8428.8	8424.8	8432.9	8443.0	8493.8	8394.3
42.5°	8966.6	8897.6	9037.6	8986.8	8938.1	8905.7	8932.1	8952.3	9001.0	8889.4
45°	9536.7	9457.6	9640.2	9579.3	9502.2	9435.3	9477.9	9508.3	9579.3	9445.4
47.5°	10165.7	10076.5	10271.3	10253.0	10127.2	9981.1	10078.5	10165.7	10218.5	10056.2
50°	10780.6	10711.6	10967.2	10989.6	10835.3	10630.4	10766.4	10898.2	10912.4	10699.4
52.5°	11356.8	11287.8	11659.2	11799.2	11661.2	11417.7	11561.8	11695.7	11588.1	11312.2
55°	11817.4	11760.6	12233.4	12594.6	12641.2	12440.4	12525.6	12521.5	12168.5	11744.4
57.5°	11929.0	11920.9	12517.5	13282.4	13769.4	13793.8	13625.3	13195.2	12434.3	11864.1
60°	11421.7	11472.5	12292.2	13641.6	14940.2	15479.9	14751.5	13523.9	12131.9	11340.6
62.5°	9904.0	10037.9	11026.1	13203.3	15885.7	17419.7	15654.4	13024.7	10890.1	9857.3
65°	7097.8	7331.1	8422.8	11267.5	15800.5	19124.2	15524.6	11176.2	8503.9	7312.8
67.5°	3220.2	3457.6	4384.9	7714.6	13734.9	18661.5	13702.4	7795.8	4604.0	3469.7
70°	1166.7	1207.3	1505.6	3088.3	8777.8	14869.2	9153.2	3110.6	1601.0	1286.4
72.5°	706.1	712.2	775.1	1105.9	3049.7	9027.4	3179.6	1142.4	791.3	702.1
75°	448.4	444.4	551.9	675.7	1081.5	3045.7	1134.3	675.7	549.9	501.2
77.5°	322.6	332.8	395.7	505.2	681.8	1032.8	669.6	482.9	395.7	324.7
80°	241.5	247.5	288.1	393.6	478.9	643.2	426.1	357.1	298.3	202.9
82.5°	174.5	174.5	188.7	286.1	292.2	347.0	231.3	251.6	196.8	144.1
85°	103.5	101.5	117.7	170.4	152.2	127.8	105.5	154.2	123.8	89.3
87.5°	36.5	38.6	36.5	48.7	40.6	34.5	32.5	42.6	34.5	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4813.0
4841.4
4908.4
5009.8
5131.6
5257.4
5395.4
5584.1
5797.1
6026.4
6284.1
6551.9
6844.1
7187.0
7572.6
7994.6
8426.8
8948.3
9514.4
10111.0
10725.8
11320.3
11758.6
11827.6
11247.2
9796.4
7225.6
3419.0
1270.2
714.2
505.2
330.7
209.0
144.1
87.3
28.4
0.0

OF REPORT)