

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: P956927

Luminaire Tested: **GALN-SB9B-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956927
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-SB9B-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38946 lumens
Efficiency: N/A
Efficacy: 118.2 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

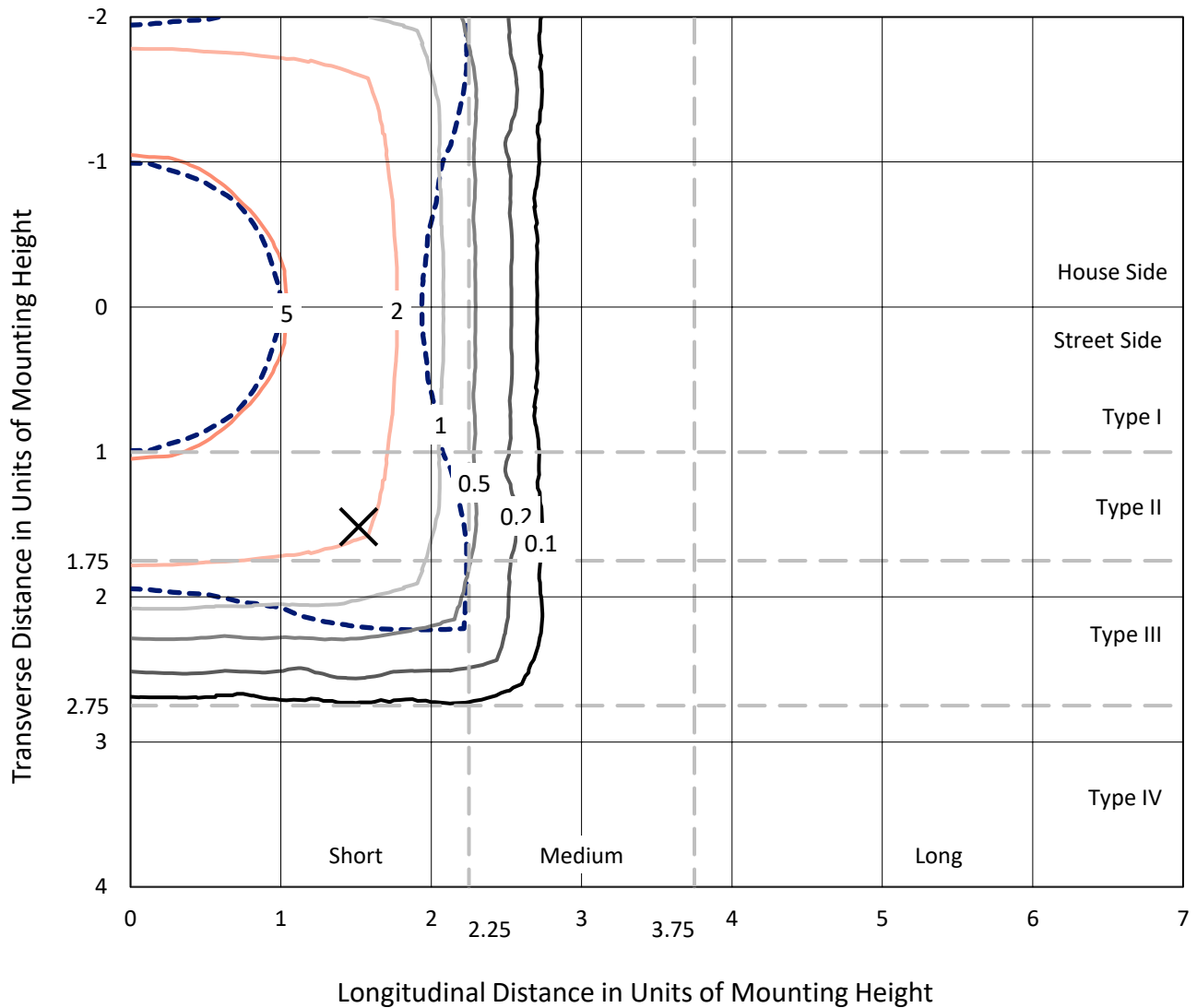
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

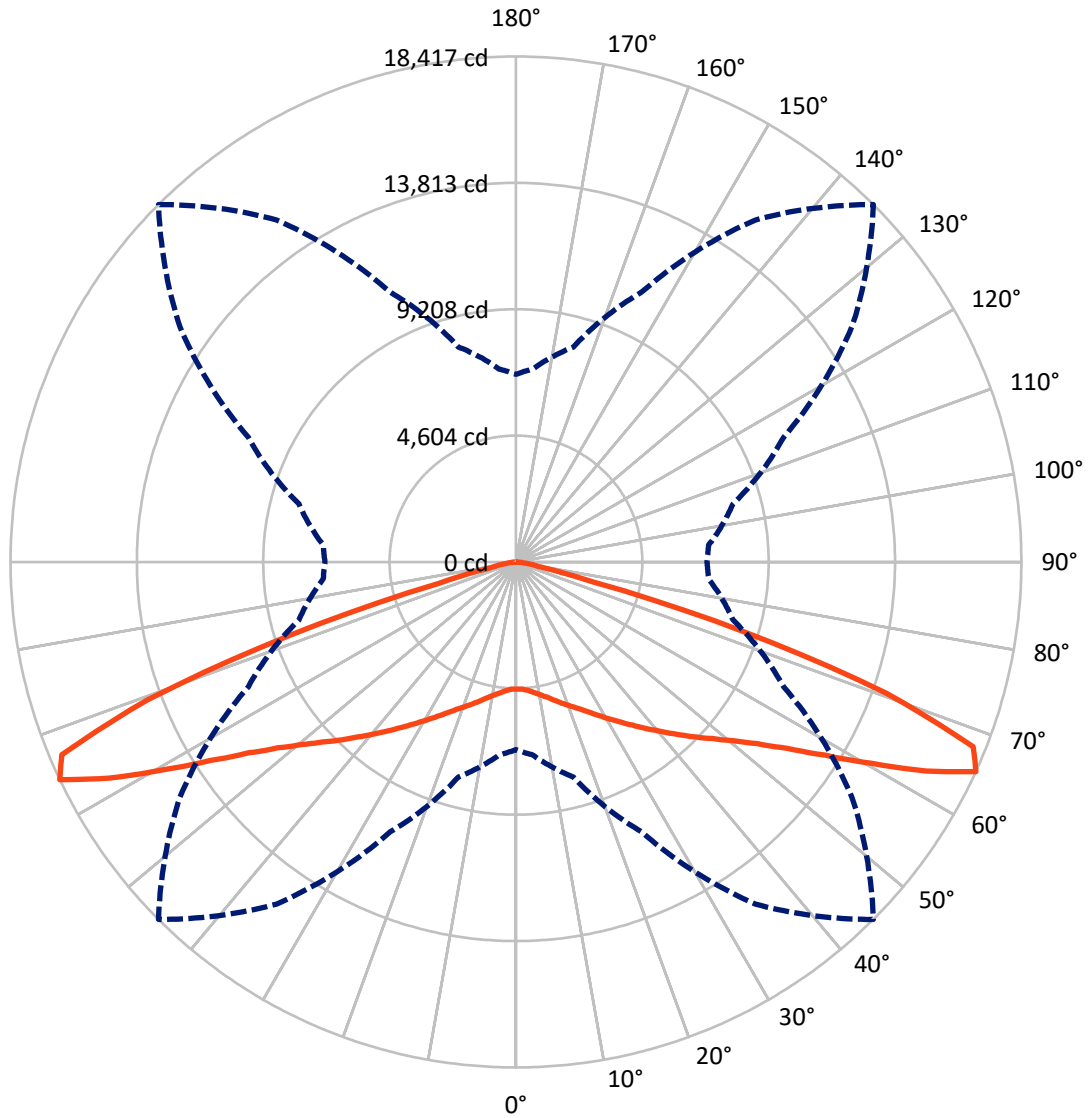
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	19473.0	0.0	19473.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19473.0	0.0	19473.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38946.0	0.0	38946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.4	1.2
10°-20°	1492.6	3.8
20°-30°	2818.2	7.2
30°-40°	4614.7	11.8
40°-50°	7155.2	18.4
50°-60°	10569.7	27.1
60°-70°	10061.4	25.8
70°-80°	1623.5	4.2
80°-90°	153.0	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°	38946.0	100.0
0°-180°	38946.0	100.0

Coefficient of Utilization



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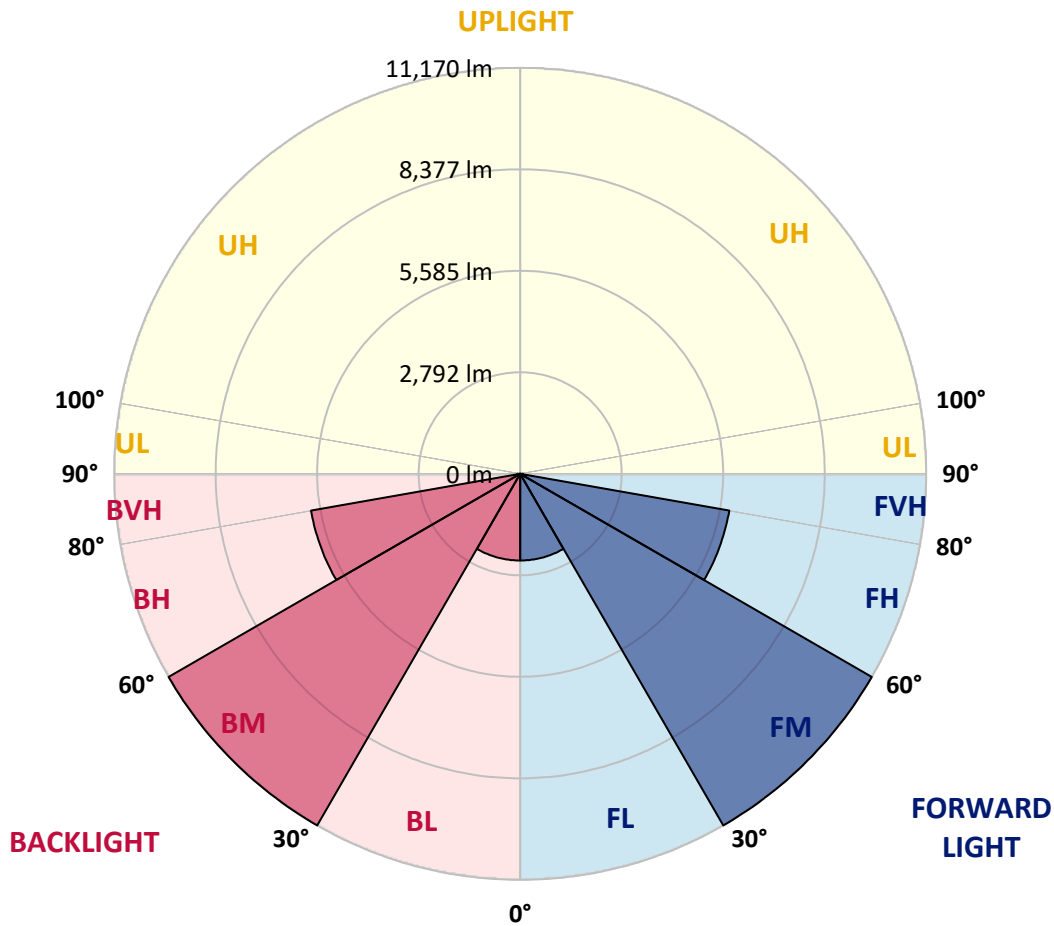
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2384.1	6.1			
FM (30°-60°)	11169.9	28.7			
FH (60°-80°)	5842.5	15.0			G3/7500
FVH (80°-90°)	76.5	0.2			G1/100
BL (0°-30°)	2384.1	6.1	B3/2500		
BM (30°-60°)	11169.9	28.7	B5		
BH (60°-80°)	5842.5	15.0	B5		G3/7500
BVH (80°-90°)	76.5	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°	4635.0	4635.0	4635.0	4635.0	4635.0	4635.0	4635.0	4635.0	4635.0	4635.0
2.5°	4666.2	4650.6	4662.3	4652.5	4644.7	4636.9	4640.8	4654.5	4660.4	4662.3
5°	4728.8	4715.1	4720.9	4720.9	4707.3	4703.4	4705.3	4715.1	4726.8	4726.8
7.5°	4830.4	4816.7	4830.4	4822.6	4810.8	4806.9	4805.0	4812.8	4830.4	4830.4
10°	4953.5	4937.8	4945.7	4941.7	4928.1	4922.2	4920.3	4932.0	4947.6	4945.7
12.5°	5088.3	5070.7	5080.5	5068.8	5064.9	5059.0	5059.0	5057.0	5066.8	5059.0
15°	5238.8	5227.0	5230.9	5223.1	5229.0	5225.1	5209.4	5201.6	5205.5	5193.8
17.5°	5416.6	5389.2	5402.9	5399.0	5399.0	5406.8	5381.4	5371.6	5379.4	5367.7
20°	5621.7	5594.4	5600.3	5592.4	5582.7	5590.5	5559.2	5567.0	5572.9	5565.1
22.5°	5846.5	5811.3	5809.3	5813.2	5791.8	5793.7	5772.2	5791.8	5803.5	5782.0
25°	6077.0	6039.9	6065.3	6055.5	6028.2	6034.1	6018.4	6038.0	6047.7	6020.4
27.5°	6321.3	6295.9	6319.3	6325.2	6292.0	6315.4	6292.0	6309.6	6319.3	6278.3
30°	6606.6	6581.2	6602.7	6618.3	6579.2	6616.4	6596.8	6608.5	6610.5	6561.6
32.5°	6917.3	6878.2	6932.9	6940.7	6897.7	6942.7	6917.3	6932.9	6942.7	6876.2
35°	7296.4	7247.5	7310.0	7300.3	7263.1	7300.3	7276.8	7300.3	7323.7	7243.6
37.5°	7704.7	7653.9	7720.4	7702.8	7667.6	7693.0	7679.3	7695.0	7732.1	7646.1
40°	8154.2	8091.6	8181.5	8150.3	8117.0	8113.1	8121.0	8130.7	8179.6	8083.8
42.5°	8634.9	8568.4	8703.3	8654.4	8607.5	8576.2	8601.6	8621.2	8668.1	8560.6
45°	9183.9	9107.7	9283.6	9225.0	9150.7	9086.2	9127.3	9156.6	9225.0	9096.0
47.5°	9789.7	9703.7	9891.3	9873.7	9752.6	9611.9	9705.7	9789.7	9840.5	9684.2
50°	10381.8	10315.3	10561.5	10583.0	10434.5	10237.2	10368.1	10495.1	10508.8	10303.6
52.5°	10936.7	10870.3	11227.9	11362.7	11229.8	10995.3	11134.1	11263.0	11159.5	10893.7
55°	11380.3	11325.6	11780.9	12128.7	12173.6	11980.2	12062.2	12058.3	11718.3	11309.9
57.5°	11487.8	11479.9	12054.4	12791.1	13260.1	13283.5	13121.3	12707.1	11974.3	11425.2
60°	10999.2	11048.1	11837.5	13137.0	14387.5	14907.3	14205.8	13023.6	11683.2	10921.1
62.5°	9537.6	9666.6	10618.2	12714.9	15298.1	16775.4	15075.4	12542.9	10487.3	9492.7
65°	6835.2	7059.9	8111.2	10850.7	15216.0	18416.8	14950.3	10762.8	8189.3	7042.3
67.5°	3101.0	3329.7	4222.7	7429.2	13226.8	17971.2	13195.6	7507.4	4433.7	3341.4
70°	1123.6	1162.6	1449.9	2974.0	8453.1	14319.1	8814.6	2995.5	1541.7	1238.9
72.5°	680.0	685.9	746.4	1064.9	2936.9	8693.5	3062.0	1100.1	762.1	676.1
75°	431.8	427.9	531.5	650.7	1041.5	2933.0	1092.3	650.7	529.5	482.6
77.5°	310.7	320.5	381.0	486.6	656.6	994.6	644.8	465.1	381.0	312.6
80°	232.5	238.4	277.5	379.1	461.2	619.4	410.3	343.9	287.2	195.4
82.5°	168.0	168.0	181.7	275.5	281.4	334.1	222.8	242.3	189.5	138.7
85°	99.7	97.7	113.3	164.1	146.6	123.1	101.6	148.5	119.2	86.0
87.5°	35.2	37.1	35.2	46.9	39.1	33.2	31.3	41.0	33.2	29.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4635.0
4662.3
4726.8
4824.5
4941.7
5062.9
5195.8
5377.5
5582.7
5803.5
6051.6
6309.6
6590.9
6921.2
7292.4
7698.9
8115.1
8617.3
9162.5
9736.9
10329.0
10901.5
11323.6
11390.1
10831.2
9434.1
6958.3
3292.5
1223.2
687.8
486.6
318.5
201.3
138.7
84.0
27.4
0.0

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