

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: P951929

Luminaire Tested: **GALN-SB5D-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951929
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-SB5D-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39033 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

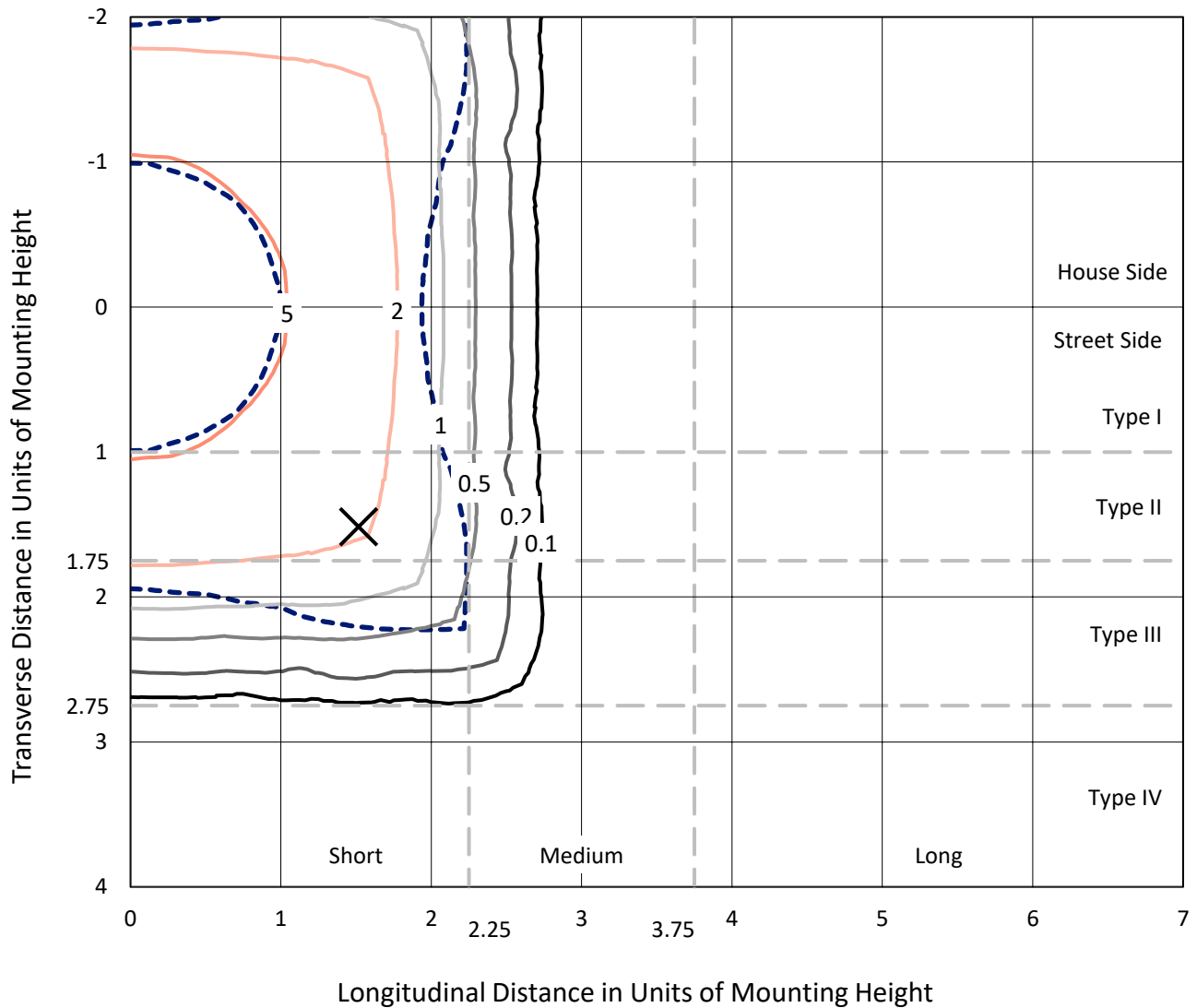
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

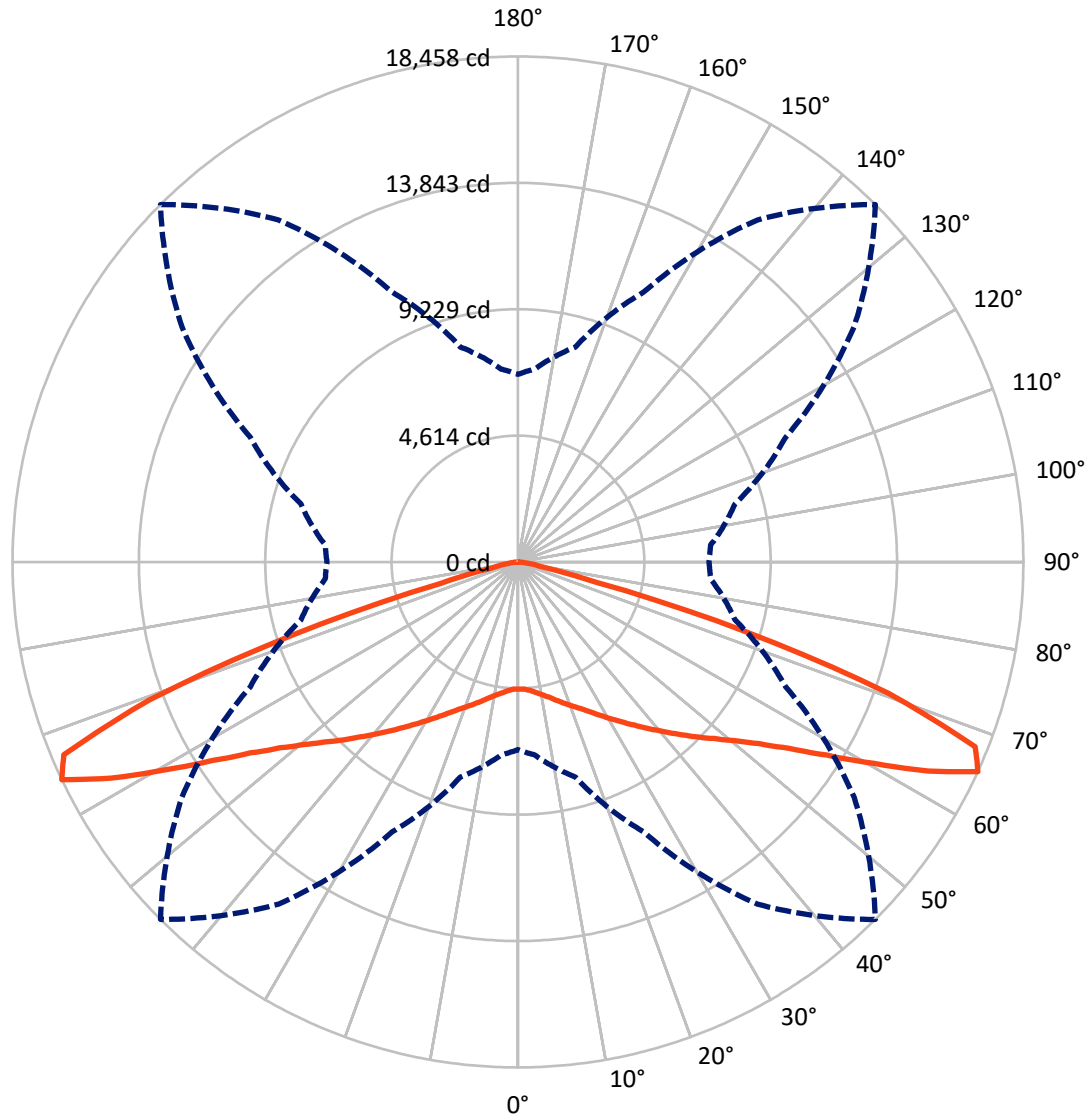
✕ Max cd
 - - - 1/2 Max cd



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	19516.5	0.0	19516.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19516.5	0.0	19516.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39033.0	0.0	39033.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	1.2
10°-20°	1496.0	3.8
20°-30°	2824.5	7.2
30°-40°	4625.1	11.8
40°-50°	7171.2	18.4
50°-60°	10593.4	27.1
60°-70°	10083.9	25.8
70°-80°	1627.2	4.2
80°-90°	153.4	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°	39033.0	100.0
0°-180°	39033.0	100.0

Coefficient of Utilization



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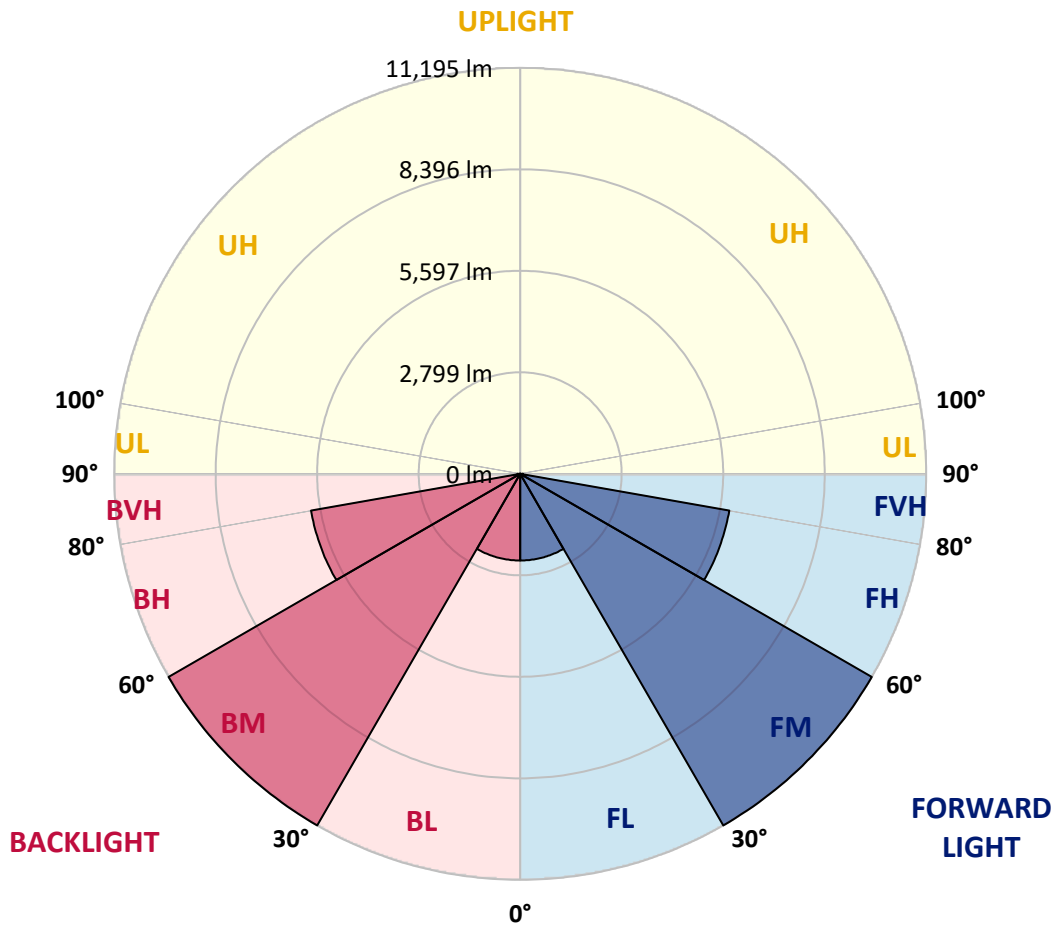
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2389.5	6.1			
FM (30°-60°)	11194.8	28.7			
FH (60°-80°)	5855.5	15.0			G3/7500
FVH (80°-90°)	76.7	0.2			G1/100
BL (0°-30°)	2389.5	6.1	B3/2500		
BM (30°-60°)	11194.8	28.7	B5		
BH (60°-80°)	5855.5	15.0	B5		G3/7500
BVH (80°-90°)	76.7	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°	4645.3	4645.3	4645.3	4645.3	4645.3	4645.3	4645.3	4645.3	4645.3	4645.3
2.5°	4676.7	4661.0	4672.7	4662.9	4655.1	4647.3	4651.2	4664.9	4670.8	4672.7
5°	4739.3	4725.6	4731.5	4731.5	4717.8	4713.9	4715.8	4725.6	4737.4	4737.4
7.5°	4841.2	4827.4	4841.2	4833.3	4821.6	4817.7	4815.7	4823.5	4841.2	4841.2
10°	4964.5	4948.9	4956.7	4952.8	4939.1	4933.2	4931.2	4943.0	4958.7	4956.7
12.5°	5099.7	5082.0	5091.8	5080.1	5076.2	5070.3	5070.3	5068.3	5078.1	5070.3
15°	5250.5	5238.7	5242.6	5234.8	5240.7	5236.8	5221.1	5213.3	5217.2	5205.4
17.5°	5428.7	5401.3	5415.0	5411.1	5411.1	5418.9	5393.4	5383.6	5391.5	5379.7
20°	5634.3	5606.9	5612.8	5604.9	5595.1	5603.0	5571.6	5579.5	5585.3	5577.5
22.5°	5859.5	5824.3	5822.3	5826.2	5804.7	5806.6	5785.1	5804.7	5816.4	5794.9
25°	6090.6	6053.4	6078.9	6069.1	6041.7	6047.5	6031.9	6051.4	6061.2	6033.8
27.5°	6335.4	6310.0	6333.5	6339.3	6306.0	6329.5	6306.0	6323.7	6333.5	6292.3
30°	6621.3	6595.9	6617.4	6633.1	6593.9	6631.1	6611.5	6623.3	6625.3	6576.3
32.5°	6932.7	6893.6	6948.4	6956.2	6913.1	6958.2	6932.7	6948.4	6958.2	6891.6
35°	7312.7	7263.7	7326.4	7316.6	7279.4	7316.6	7293.1	7316.6	7340.1	7259.8
37.5°	7722.0	7671.0	7737.6	7720.0	7684.7	7710.2	7696.5	7712.2	7749.4	7663.2
40°	8172.4	8109.7	8199.8	8168.5	8135.2	8131.3	8139.1	8148.9	8197.8	8101.9
42.5°	8654.2	8587.6	8722.7	8673.7	8626.7	8595.4	8620.9	8640.4	8687.4	8579.7
45°	9204.5	9128.1	9304.3	9245.6	9171.2	9106.5	9147.7	9177.0	9245.6	9116.3
47.5°	9811.6	9725.4	9913.4	9895.8	9774.4	9633.4	9727.4	9811.6	9862.5	9705.8
50°	10405.0	10338.4	10585.1	10606.7	10457.8	10260.0	10391.3	10518.5	10532.3	10326.6
52.5°	10961.1	10894.6	11252.9	11388.1	11254.9	11019.9	11158.9	11288.2	11184.4	10918.1
55°	11405.7	11350.9	11807.2	12155.8	12200.8	12006.9	12089.2	12085.3	11744.5	11335.2
57.5°	11513.4	11505.6	12081.4	12819.7	13289.7	13313.2	13150.6	12735.5	12001.1	11450.7
60°	11023.8	11072.8	11864.0	13166.3	14419.7	14940.6	14237.5	13052.7	11709.3	10945.5
62.5°	9558.9	9688.2	10641.9	12743.3	15332.3	16812.8	15109.0	12570.9	10510.7	9513.9
65°	6850.5	7075.7	8129.3	10875.0	15250.0	18457.9	14983.7	10786.8	8207.6	7058.1
67.5°	3108.0	3337.1	4232.1	7445.8	13256.4	18011.4	13225.1	7524.2	4443.6	3348.9
70°	1126.1	1165.2	1453.1	2980.7	8472.0	14351.1	8834.3	3002.2	1545.2	1241.6
72.5°	681.5	687.4	748.1	1067.3	2943.5	8712.9	3068.8	1102.6	763.8	677.6
75°	432.8	428.9	532.7	652.1	1043.8	2939.6	1094.7	652.1	530.7	483.7
77.5°	311.4	321.2	381.9	487.6	658.0	996.8	646.3	466.1	381.9	313.3
80°	233.0	238.9	278.1	379.9	462.2	620.8	411.3	344.7	287.9	195.8
82.5°	168.4	168.4	182.1	276.1	282.0	334.9	223.3	242.8	190.0	139.0
85°	99.9	97.9	113.6	164.5	146.9	123.4	101.8	148.8	119.5	86.2
87.5°	35.3	37.2	35.3	47.0	39.2	33.3	31.3	41.1	33.3	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4645.3
4672.7
4737.4
4835.3
4952.8
5074.2
5207.4
5389.5
5595.1
5816.4
6065.2
6323.7
6605.7
6936.6
7308.7
7716.1
8133.2
8636.5
9182.9
9758.7
10352.1
10925.9
11348.9
11415.5
10855.4
9455.1
6973.9
3299.9
1226.0
689.4
487.6
319.2
201.7
139.0
84.2
27.4
0.0

OF REPORT)