

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: P943450

Luminaire Tested: **GALN-SB7D-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53044 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

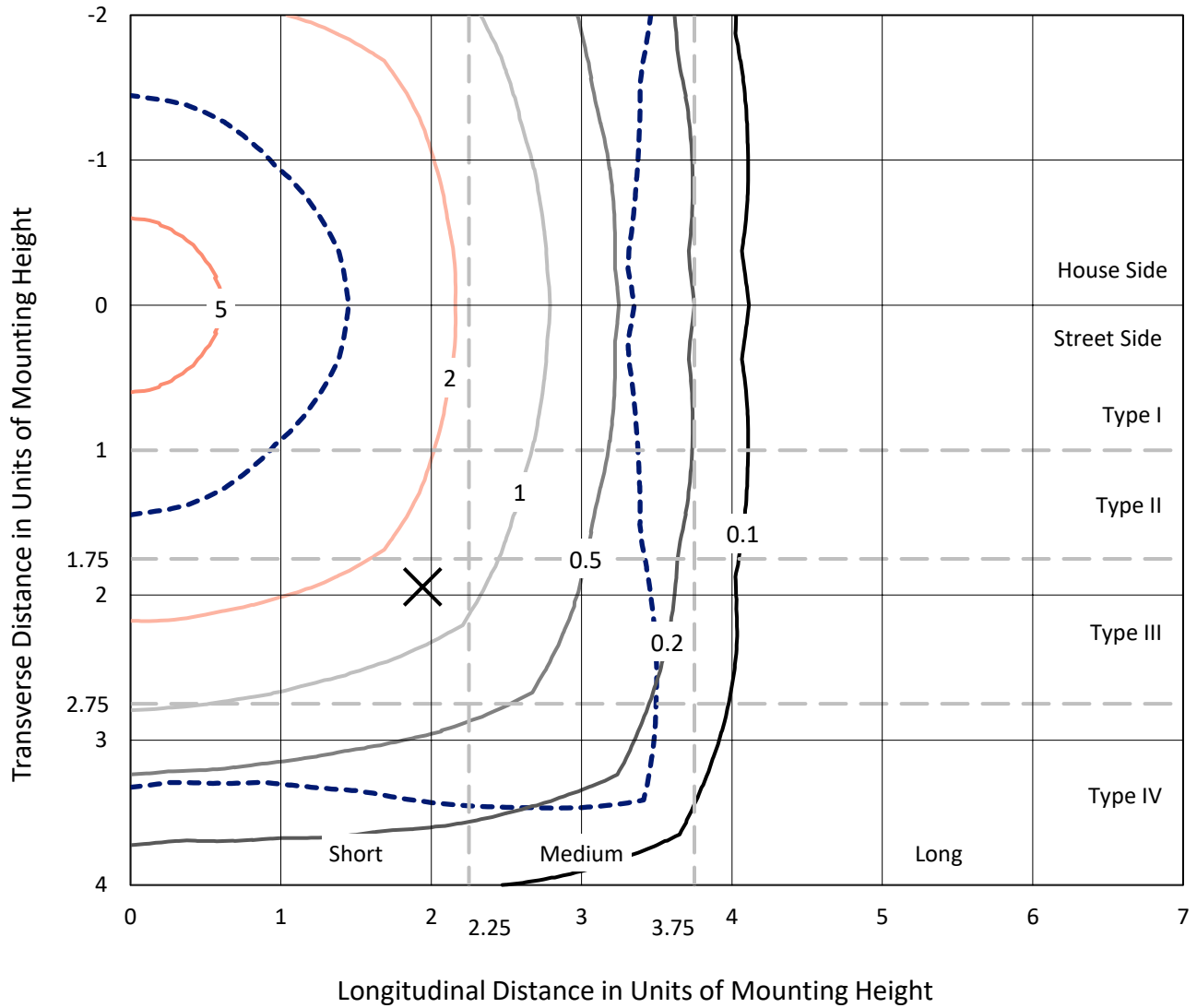
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

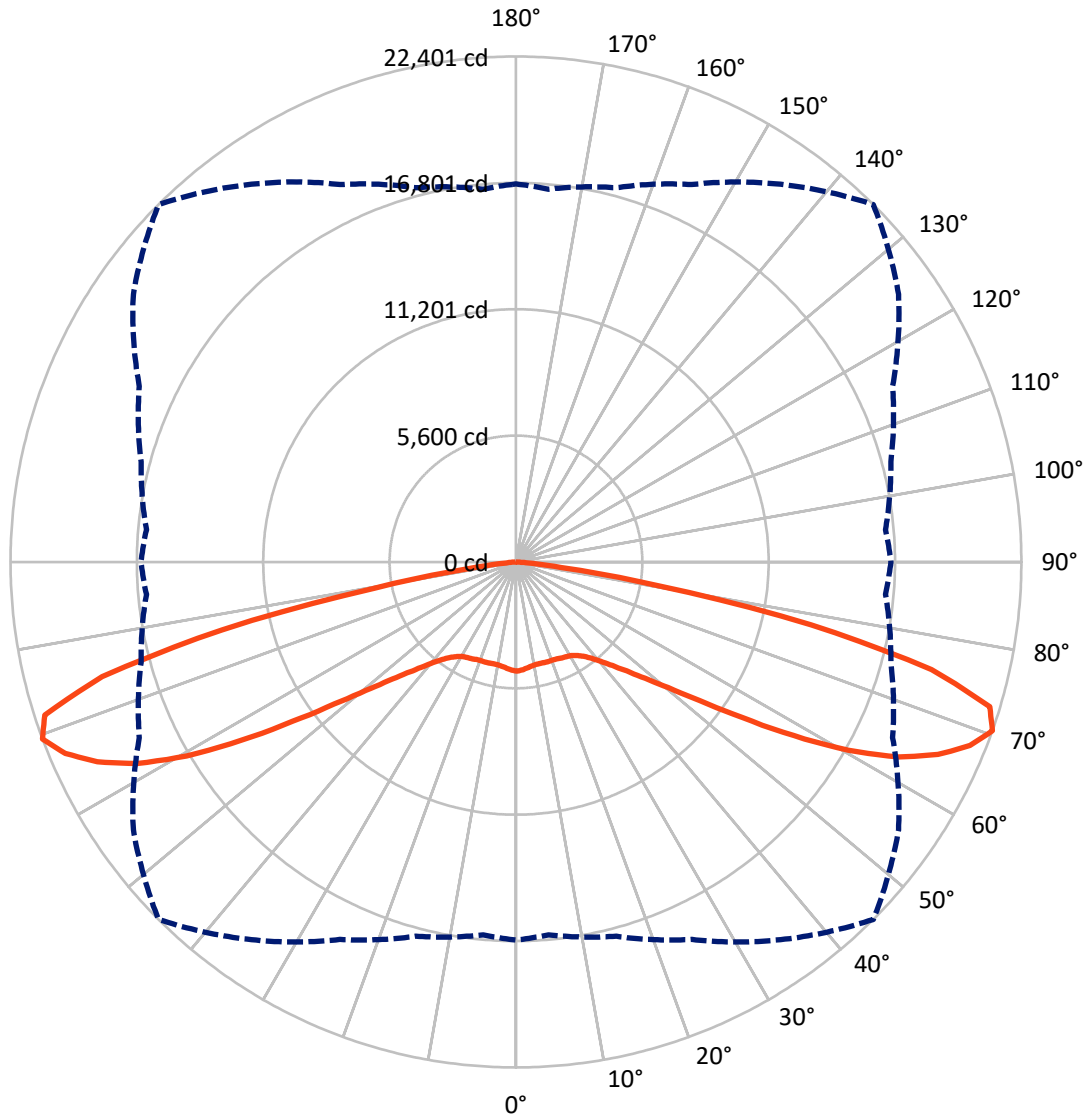
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	26522.0	0.0	26522.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26522.0	0.0	26522.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53044.0	0.0	53044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.1	0.8
10°-20°	1321.6	2.5
20°-30°	2199.4	4.1
30°-40°	3326.2	6.3
40°-50°	5527.3	10.4
50°-60°	10429.8	19.7
60°-70°	17611.1	33.2
70°-80°	11572.3	21.8
80°-90°	606.3	1.1
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°	53044.0	100.0
0°-180°	53044.0	100.0

Coefficient of Utilization

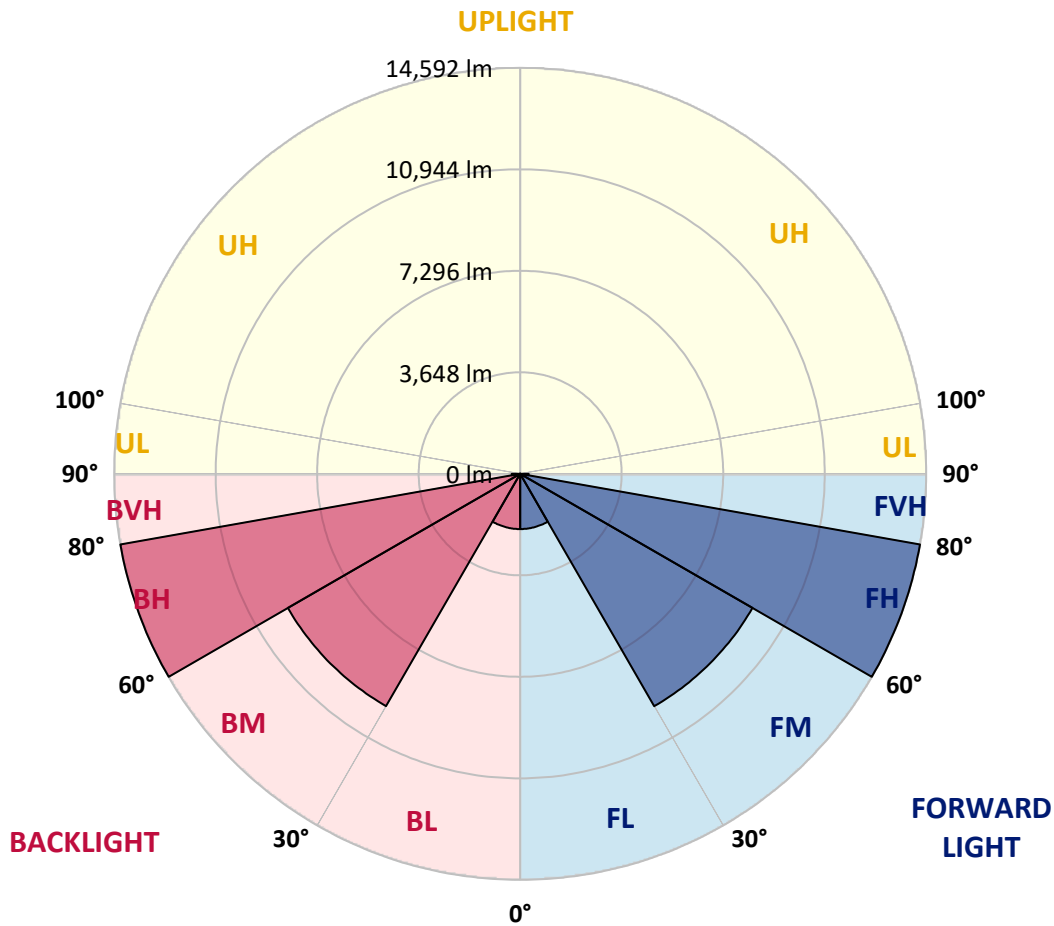


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1985.6	3.7			
FM (30°-60°)	9641.6	18.2			
FH (60°-80°)	14591.7	27.5			G5
FVH (80°-90°)	303.1	0.6			G3/500
BL (0°-30°)	1985.6	3.7	B3/2500		
BM (30°-60°)	9641.6	18.2	B5		
BH (60°-80°)	14591.7	27.5	B5		G5
BVH (80°-90°)	303.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4838.7	4838.7	4838.7	4838.7	4838.7	4838.7	4838.7	4838.7	4838.7	4838.7
2.5°	4808.4	4822.1	4816.6	4805.6	4805.6	4797.3	4805.6	4811.1	4819.4	4824.9
5°	4744.9	4756.0	4753.2	4744.9	4747.7	4739.4	4744.9	4753.2	4758.7	4761.5
7.5°	4689.8	4700.8	4695.3	4681.5	4681.5	4673.3	4676.0	4684.3	4692.6	4695.3
10°	4676.0	4687.0	4670.5	4648.4	4640.2	4629.1	4631.9	4640.2	4656.7	4665.0
12.5°	4681.5	4689.8	4673.3	4640.2	4631.9	4620.9	4620.9	4629.1	4651.2	4662.2
15°	4698.1	4706.3	4681.5	4645.7	4637.4	4629.1	4626.4	4637.4	4662.2	4681.5
17.5°	4728.4	4736.7	4698.1	4648.4	4637.4	4640.2	4637.4	4645.7	4684.3	4720.1
20°	4756.0	4761.5	4709.1	4648.4	4637.4	4640.2	4637.4	4654.0	4703.6	4753.2
22.5°	4764.2	4769.8	4720.1	4667.7	4659.5	4662.2	4659.5	4676.0	4722.9	4772.5
25°	4767.0	4775.3	4736.7	4695.3	4709.1	4714.6	4709.1	4711.9	4747.7	4791.8
27.5°	4808.4	4819.4	4783.5	4747.7	4756.0	4753.2	4761.5	4769.8	4797.3	4841.4
30°	4893.8	4902.1	4871.8	4835.9	4830.4	4811.1	4835.9	4863.5	4893.8	4932.4
32.5°	5034.4	5051.0	5012.4	4973.8	4949.0	4937.9	4957.2	5004.1	5045.5	5086.8
35°	5268.8	5279.8	5244.0	5172.3	5128.2	5128.2	5144.7	5205.4	5271.5	5323.9
37.5°	5599.6	5613.4	5550.0	5464.5	5398.4	5398.4	5420.4	5483.8	5583.1	5657.5
40°	6002.2	6021.5	5941.5	5853.3	5789.9	5778.8	5806.4	5878.1	5971.8	6065.6
42.5°	6487.4	6509.5	6404.7	6327.5	6277.9	6277.9	6291.7	6357.8	6443.3	6559.1
45°	7107.8	7146.4	7003.0	6925.8	6878.9	6890.0	6898.2	6956.1	7033.3	7165.7
47.5°	7846.7	7885.3	7733.6	7653.7	7645.4	7697.8	7664.7	7706.0	7747.4	7899.0
50°	8684.8	8751.0	8646.2	8640.7	8657.2	8753.7	8676.5	8698.6	8651.7	8748.2
52.5°	9710.4	9806.9	9787.6	9820.7	10005.5	10204.0	10027.5	9950.3	9773.9	9804.2
55°	10953.9	11100.0	11127.6	11326.1	11745.2	12150.5	11775.5	11464.0	11089.0	11020.1
57.5°	12368.3	12484.1	12616.4	13021.7	13804.7	14524.3	13804.7	13115.4	12525.4	12384.8
60°	13890.2	14033.6	14160.4	14758.7	15922.2	16934.0	15900.1	14805.5	14025.3	13835.0
62.5°	15525.1	15709.9	15798.1	16462.5	17819.0	19026.6	17838.3	16512.2	15646.4	15442.4
65°	17093.9	17245.6	17344.8	18053.4	19349.2	20559.6	19437.4	18130.6	17240.0	16972.6
67.5°	17824.5	17907.3	18149.9	18952.2	20319.7	21701.0	20551.3	19037.7	18042.4	17573.6
70°	16754.8	16586.6	17171.1	18455.9	20435.5	22401.3	20700.2	18417.3	17198.7	16437.7
72.5°	12947.3	12657.8	13672.4	15869.8	19112.1	21954.7	19244.4	15993.8	14303.7	12759.8
75°	7044.3	6716.3	8116.9	10896.0	15241.2	19029.4	15591.3	11207.5	9037.7	6992.0
77.5°	1987.9	1863.8	2994.2	5271.5	9167.3	13360.8	9520.2	5387.3	3551.1	2106.4
80°	609.3	590.0	799.6	1588.1	3893.0	6399.2	3741.4	1607.4	1017.4	642.4
82.5°	361.2	330.8	397.0	579.0	992.5	2009.9	965.0	603.8	485.2	325.3
85°	206.8	193.0	234.4	281.2	333.6	427.3	278.5	286.7	259.2	173.7
87.5°	85.5	77.2	91.0	88.2	77.2	99.3	74.4	88.2	104.8	68.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4838.7
4822.1
4761.5
4695.3
4665.0
4665.0
4684.3
4720.1
4756.0
4772.5
4789.1
4830.4
4924.2
5070.3
5304.6
5630.0
6035.3
6550.8
7160.1
7854.9
8690.3
9702.2
10912.5
12285.6
13669.6
15277.0
16840.3
17579.2
16619.7
13143.0
7446.9
2340.8
678.2
352.9
182.0
63.4
0.0

OF REPORT)