

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: P954784

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954784
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-SB7D-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54919 lumens
Efficiency: N/A
Efficacy: 107.1 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

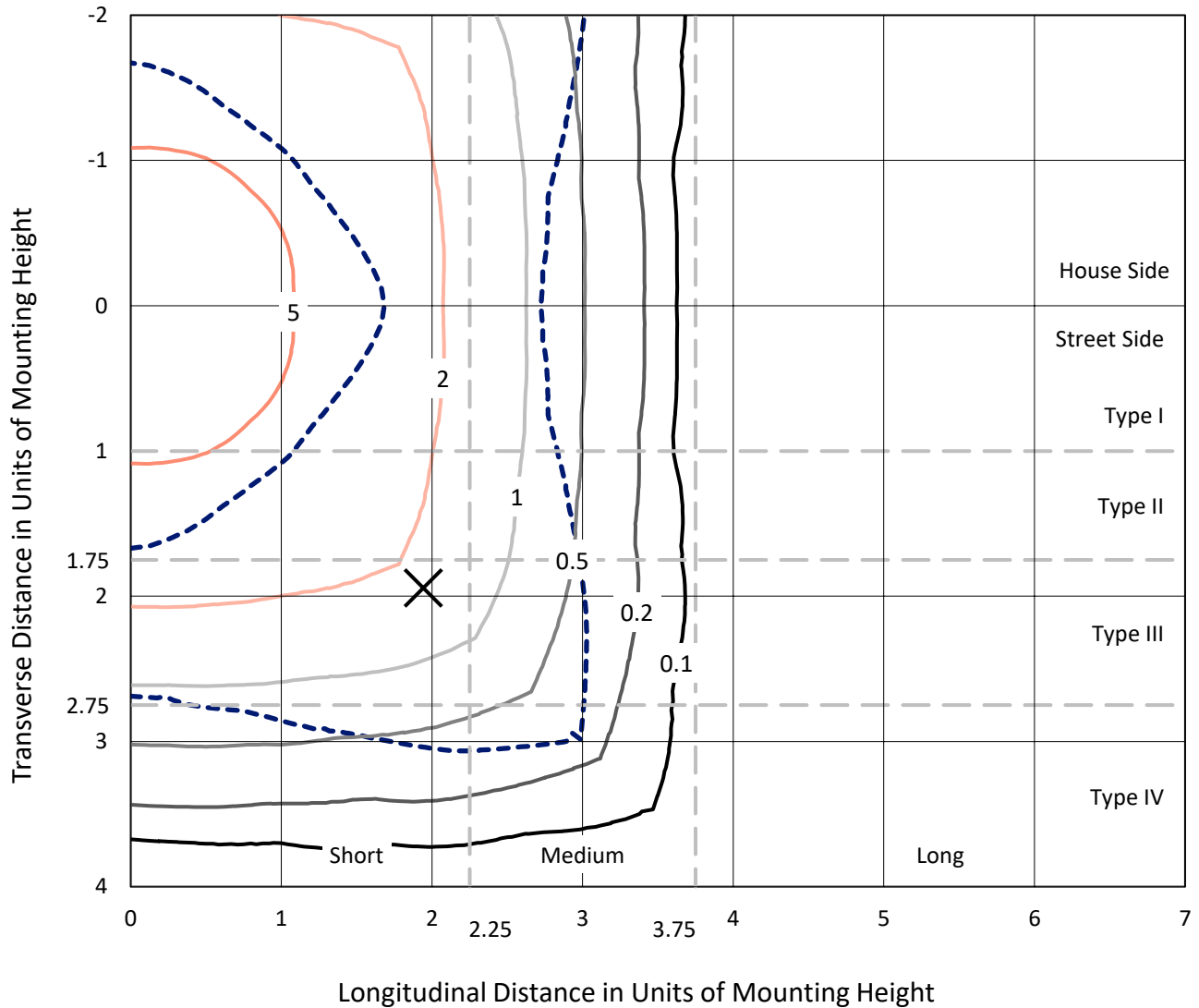
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

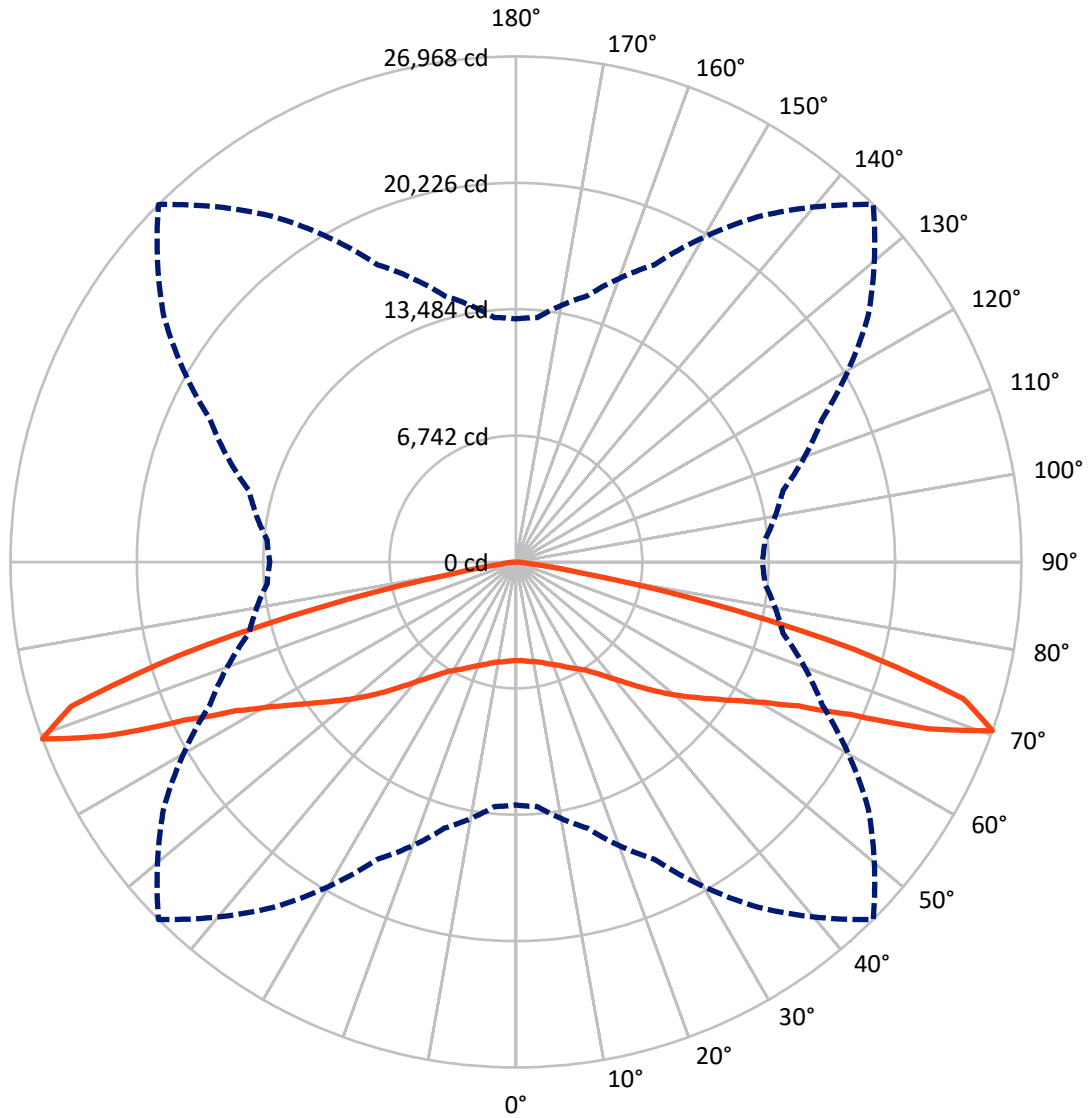
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	27459.5	0.0	27459.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27459.5	0.0	27459.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54919.0	0.0	54919.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.1	0.9
10°-20°	1584.8	2.9
20°-30°	2832.2	5.2
30°-40°	4591.0	8.4
40°-50°	7477.9	13.6
50°-60°	11401.3	20.8
60°-70°	16961.5	30.9
70°-80°	9244.5	16.8
80°-90°	314.8	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°	54919.0	100.0
0°-180°	54919.0	100.0



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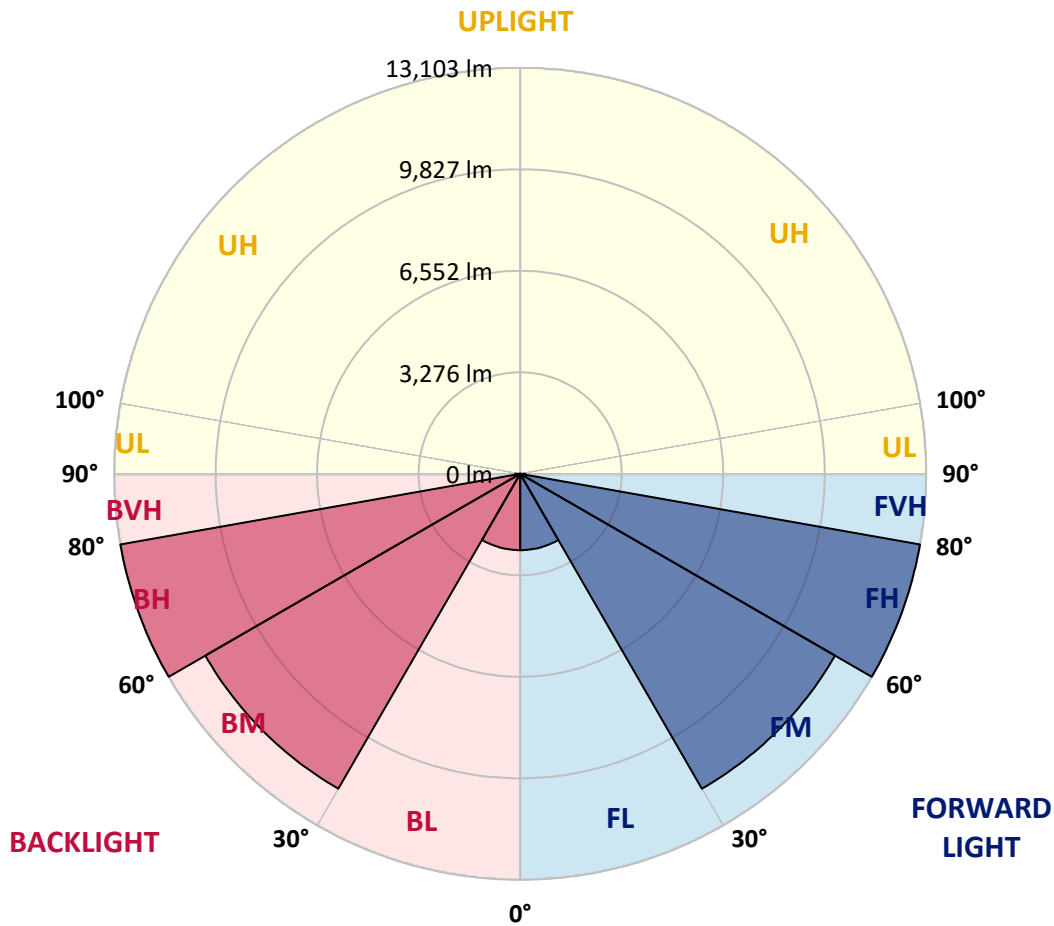
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2464.0	4.5			
FM (30°-60°)	11735.1	21.4			
FH (60°-80°)	13103.0	23.9			G5
FVH (80°-90°)	157.4	0.3			G2/225
BL (0°-30°)	2464.0	4.5	B3/2500		
BM (30°-60°)	11735.1	21.4	B5		
BH (60°-80°)	13103.0	23.9	B5		G5
BVH (80°-90°)	157.4	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5260.7	5260.7	5260.7	5260.7	5260.7	5260.7	5260.7	5260.7	5260.7	5260.7
2.5°	5285.5	5291.0	5280.0	5274.5	5268.9	5260.7	5263.4	5277.2	5288.2	5285.5
5°	5329.6	5335.1	5326.8	5324.1	5313.1	5310.3	5310.3	5324.1	5332.4	5326.8
7.5°	5379.2	5387.5	5373.7	5371.0	5365.4	5359.9	5357.2	5371.0	5379.2	5379.2
10°	5426.1	5434.4	5423.3	5415.1	5409.6	5409.6	5404.0	5415.1	5428.9	5426.1
12.5°	5475.7	5481.2	5470.2	5464.7	5464.7	5473.0	5464.7	5470.2	5481.2	5475.7
15°	5536.4	5539.1	5536.4	5544.7	5558.4	5586.0	5561.2	5555.7	5561.2	5547.4
17.5°	5619.1	5624.6	5635.6	5654.9	5674.2	5723.9	5679.8	5666.0	5666.0	5638.4
20°	5721.1	5729.4	5745.9	5779.0	5803.8	5850.7	5806.6	5787.3	5779.0	5743.2
22.5°	5828.6	5842.4	5867.2	5911.4	5955.5	5999.6	5955.5	5922.4	5897.6	5850.7
25°	5952.7	5969.3	6007.9	6079.5	6140.2	6203.6	6151.2	6085.1	6035.4	5969.3
27.5°	6129.2	6148.5	6195.4	6283.6	6360.8	6415.9	6366.3	6280.8	6211.9	6131.9
30°	6377.3	6396.6	6451.8	6545.5	6597.9	6633.7	6600.7	6534.5	6451.8	6360.8
32.5°	6697.2	6722.0	6782.6	6870.9	6881.9	6887.4	6876.4	6843.3	6782.6	6672.3
35°	7102.5	7130.0	7199.0	7270.6	7259.6	7270.6	7254.1	7243.1	7199.0	7072.1
37.5°	7598.7	7631.8	7703.5	7758.7	7731.1	7717.3	7720.1	7722.8	7698.0	7557.4
40°	8175.0	8219.1	8271.5	8329.4	8282.5	8241.2	8268.7	8290.8	8268.7	8125.4
42.5°	8767.8	8831.2	8886.3	8969.1	8930.5	8878.1	8916.7	8941.5	8894.6	8740.2
45°	9426.7	9487.4	9559.1	9683.2	9655.6	9600.5	9655.6	9661.1	9581.2	9399.2
47.5°	10107.8	10171.2	10278.7	10444.1	10433.1	10372.5	10444.1	10405.5	10303.5	10085.7
50°	10752.9	10841.2	11006.6	11238.2	11260.3	11185.8	11282.3	11207.9	11036.9	10764.0
52.5°	11359.5	11453.3	11715.2	12029.5	12109.5	12013.0	12142.6	12013.0	11756.6	11406.4
55°	11996.4	12101.2	12412.8	12823.6	12983.5	12911.8	13033.1	12837.4	12473.4	12048.8
57.5°	12746.4	12809.8	13182.0	13670.0	13940.2	13956.8	14011.9	13681.1	13239.9	12757.4
60°	13559.7	13648.0	14053.3	14637.8	15065.2	15203.0	15145.1	14654.3	14141.5	13587.3
62.5°	14601.9	14698.4	15183.7	15884.0	16559.5	16901.4	16675.3	15964.0	15329.8	14665.4
65°	15464.9	15572.5	16449.2	17698.2	18927.9	19614.5	19046.5	17736.8	16595.4	15657.9
67.5°	14839.1	14971.4	16347.2	18641.2	21698.9	23747.5	21803.7	18922.4	16686.4	15415.3
70°	12969.7	13093.8	14698.4	17502.5	22479.2	26967.8	22947.9	18018.1	14750.8	13328.1
72.5°	8610.6	9010.4	10634.4	13998.1	20072.2	24955.1	20270.7	13714.1	9865.1	8591.3
75°	2856.4	3176.3	4284.6	7256.9	13443.9	18663.3	12798.8	6421.4	3394.1	2442.8
77.5°	719.6	829.9	1144.2	2076.1	5362.7	10626.1	4827.8	1695.7	923.7	645.2
80°	350.2	386.0	551.4	692.0	1342.7	3377.5	1260.0	650.7	435.6	336.4
82.5°	193.0	195.8	311.6	391.5	499.0	874.0	518.3	380.5	250.9	204.0
85°	118.6	115.8	165.4	209.5	209.5	311.6	248.1	209.5	143.4	126.8
87.5°	46.9	46.9	60.7	66.2	57.9	80.0	63.4	68.9	55.1	52.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5260.7
5288.2
5329.6
5379.2
5426.1
5473.0
5547.4
5638.4
5743.2
5847.9
5966.5
6129.2
6360.8
6675.1
7072.1
7557.4
8125.4
8751.2
9418.5
10071.9
10758.5
11373.3
11990.9
12691.2
13499.1
14549.6
15503.5
15225.1
13137.9
8312.9
2310.5
576.2
308.8
204.0
132.3
55.1
0.0

OF REPORT)