

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: P957640

Luminaire Tested: **GALN-SB9D-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957640
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-SB9D-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 70339 lumens
Efficiency: N/A
Efficacy: 106.9 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

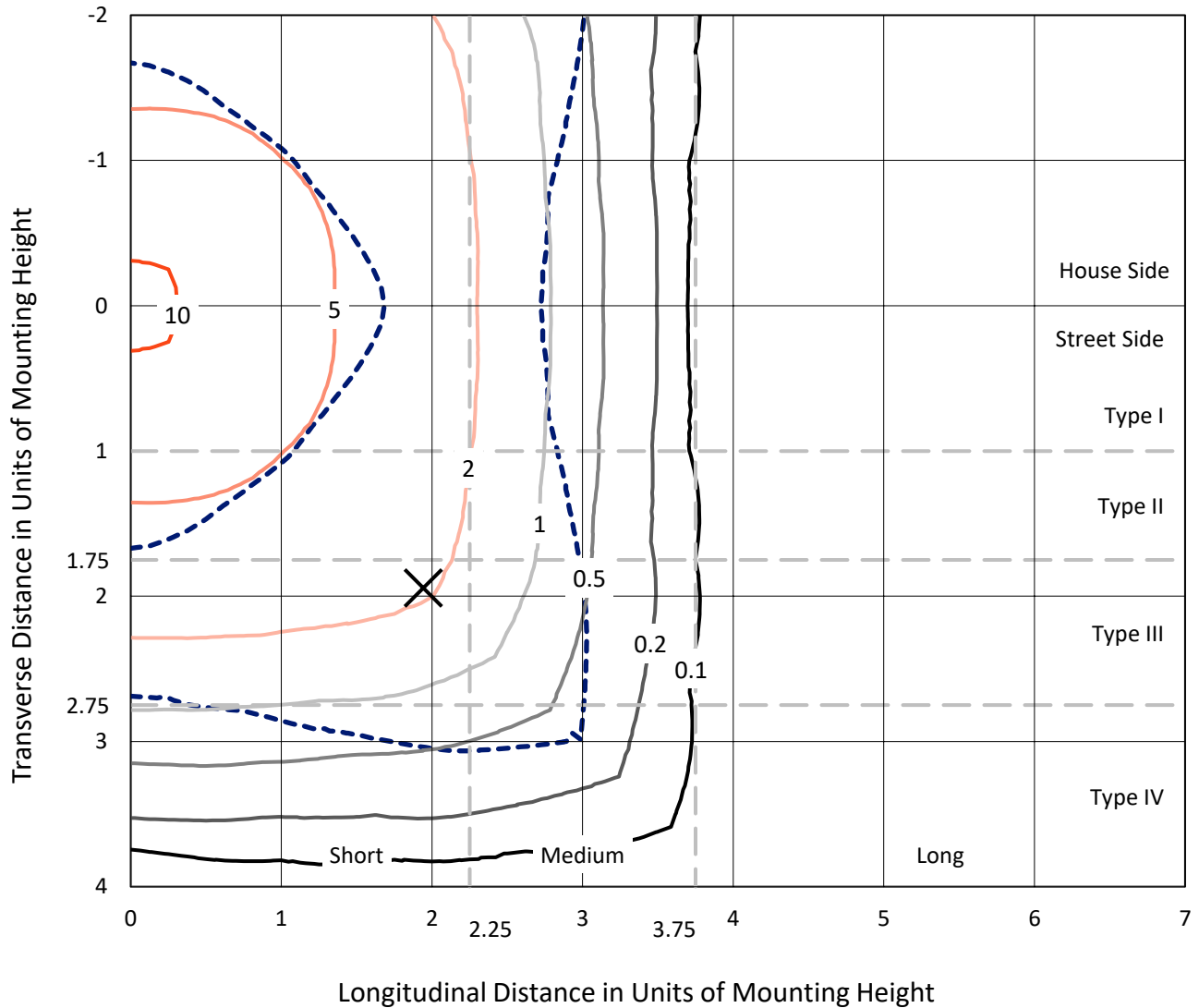
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

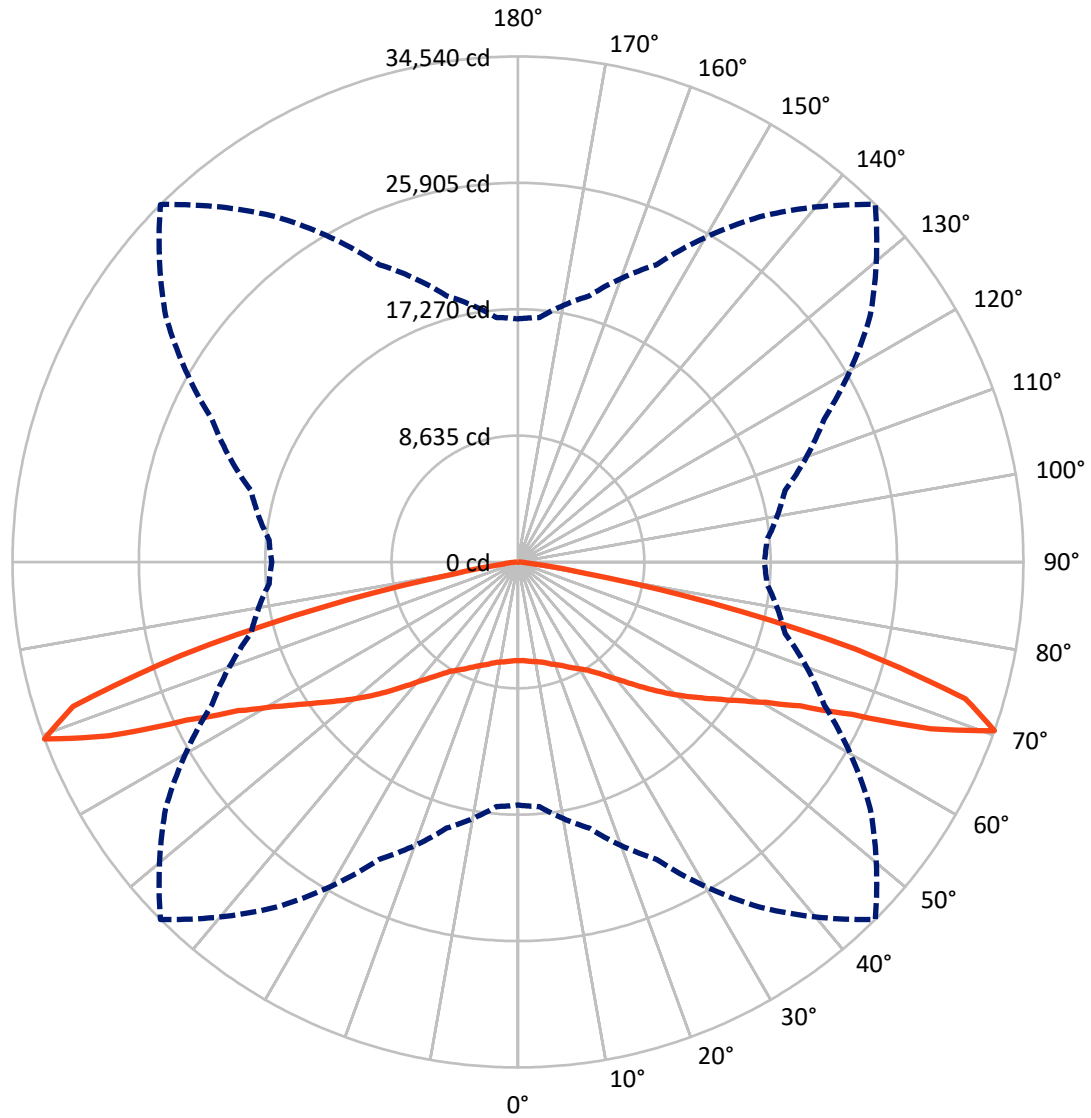
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	35169.5	0.0	35169.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35169.5	0.0	35169.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70339.0	0.0	70339.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.6	0.9
10°-20°	2029.8	2.9
20°-30°	3627.4	5.2
30°-40°	5880.0	8.4
40°-50°	9577.5	13.6
50°-60°	14602.5	20.8
60°-70°	21723.8	30.9
70°-80°	11840.2	16.8
80°-90°	403.2	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°	70339.0	100.0
0°-180°	70339.0	100.0

Coefficient of Utilization



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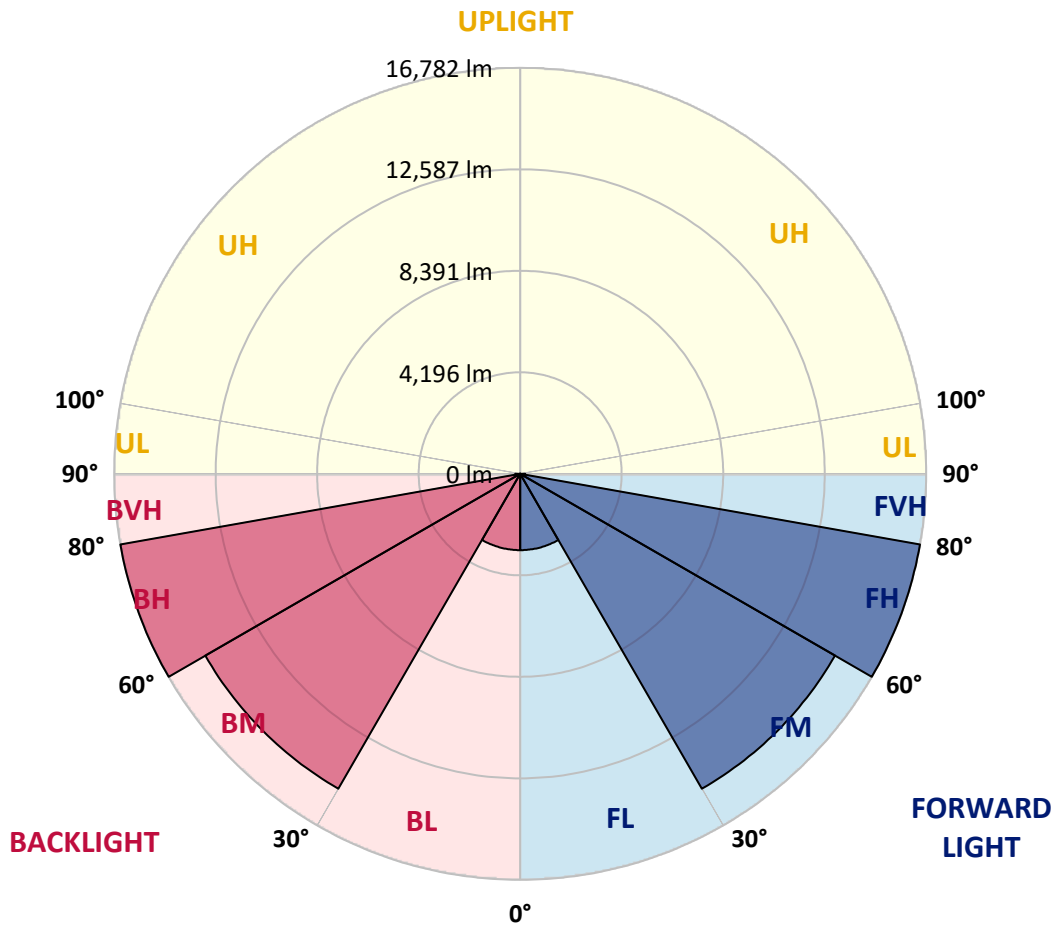
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3155.9	4.5			
FM (30°-60°)	15030.0	21.4			
FH (60°-80°)	16782.0	23.9			G5
FVH (80°-90°)	201.6	0.3			G2/225
BL (0°-30°)	3155.9	4.5	B4/5000		
BM (30°-60°)	15030.0	21.4	B5		
BH (60°-80°)	16782.0	23.9	B5		G5
BVH (80°-90°)	201.6	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°	6737.7	6737.7	6737.7	6737.7	6737.7	6737.7	6737.7	6737.7	6737.7	6737.7
2.5°	6769.5	6776.6	6762.5	6755.4	6748.3	6737.7	6741.3	6758.9	6773.1	6769.5
5°	6826.0	6833.1	6822.5	6819.0	6804.8	6801.3	6801.3	6819.0	6829.6	6822.5
7.5°	6889.6	6900.2	6882.5	6879.0	6871.9	6864.9	6861.3	6879.0	6889.6	6889.6
10°	6949.6	6960.2	6946.1	6935.5	6928.4	6928.4	6921.4	6935.5	6953.2	6949.6
12.5°	7013.2	7020.3	7006.1	6999.1	6999.1	7009.7	6999.1	7006.1	7020.3	7013.2
15°	7090.9	7094.4	7090.9	7101.5	7119.1	7154.4	7122.7	7115.6	7122.7	7105.0
17.5°	7196.8	7203.9	7218.0	7242.7	7267.4	7331.0	7274.5	7256.9	7256.9	7221.5
20°	7327.5	7338.1	7359.3	7401.6	7433.4	7493.4	7436.9	7412.2	7401.6	7355.7
22.5°	7465.2	7482.9	7514.6	7571.1	7627.6	7684.1	7627.6	7585.3	7553.5	7493.4
25°	7624.1	7645.3	7694.7	7786.5	7864.2	7945.5	7878.4	7793.6	7730.0	7645.3
27.5°	7850.1	7874.8	7934.9	8047.9	8146.7	8217.4	8153.8	8044.3	7956.1	7853.6
30°	8167.9	8192.6	8263.3	8383.3	8450.4	8496.3	8454.0	8369.2	8263.3	8146.7
32.5°	8577.6	8609.3	8687.0	8800.0	8814.2	8821.2	8807.1	8764.7	8687.0	8545.8
35°	9096.7	9132.0	9220.3	9312.1	9298.0	9312.1	9290.9	9276.8	9220.3	9057.8
37.5°	9732.3	9774.7	9866.5	9937.1	9901.8	9884.1	9887.7	9891.2	9859.4	9679.3
40°	10470.3	10526.8	10593.9	10668.1	10608.1	10555.1	10590.4	10618.7	10590.4	10406.8
42.5°	11229.6	11310.8	11381.4	11487.4	11437.9	11370.8	11420.3	11452.1	11392.0	11194.3
45°	12073.6	12151.3	12243.1	12402.0	12366.7	12296.0	12366.7	12373.7	12271.3	12038.3
47.5°	12945.8	13027.0	13164.7	13376.6	13362.5	13284.8	13376.6	13327.2	13196.5	12917.5
50°	13772.1	13885.1	14097.0	14393.6	14421.9	14326.5	14450.1	14354.8	14135.9	13786.3
52.5°	14549.0	14669.1	15004.6	15407.1	15509.5	15385.9	15551.9	15385.9	15057.5	14609.0
55°	15364.7	15498.9	15898.0	16424.1	16629.0	16537.1	16692.5	16441.8	15975.7	15431.8
57.5°	16325.3	16406.5	16883.2	17508.3	17854.3	17875.5	17946.1	17522.4	16957.4	16339.4
60°	17367.0	17480.0	17999.1	18747.7	19295.1	19471.7	19397.5	18768.9	18112.1	17402.3
62.5°	18701.8	18825.4	19446.9	20343.9	21209.1	21647.0	21357.4	20446.3	19634.1	18783.1
65°	19807.1	19944.9	21067.8	22667.5	24242.5	25121.8	24394.3	22716.9	21255.0	20054.3
67.5°	19005.5	19175.0	20937.2	23875.2	27791.4	30415.2	27925.6	24235.4	21371.5	19743.6
70°	16611.3	16770.2	18825.4	22416.8	28790.8	34539.8	29391.1	23077.1	18892.5	17070.4
72.5°	11028.3	11540.3	13620.3	17928.5	25708.0	31961.9	25962.2	17564.8	12635.0	11003.6
75°	3658.4	4068.1	5487.7	9294.4	17218.7	23903.5	16392.4	8224.4	4347.0	3128.7
77.5°	921.7	1062.9	1465.5	2659.1	6868.4	13609.7	6183.3	2171.8	1183.0	826.3
80°	448.5	494.4	706.3	886.4	1719.8	4325.9	1613.8	833.4	557.9	430.8
82.5°	247.2	250.7	399.0	501.4	639.2	1119.4	663.9	487.3	321.3	261.3
85°	151.8	148.3	211.9	268.4	268.4	399.0	317.8	268.4	183.6	162.4
87.5°	60.0	60.0	77.7	84.8	74.2	102.4	81.2	88.3	70.6	67.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6737.7
6773.1
6826.0
6889.6
6949.6
7009.7
7105.0
7221.5
7355.7
7489.9
7641.8
7850.1
8146.7
8549.3
9057.8
9679.3
10406.8
11208.4
12063.0
12899.9
13779.2
14566.7
15357.7
16254.6
17289.3
18634.7
19856.6
19499.9
16826.7
10646.9
2959.2
738.0
395.5
261.3
169.5
70.6
0.0

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