

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: P957053

Luminaire Tested: **GALN-SB9C-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957053
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-SB9C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75624 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

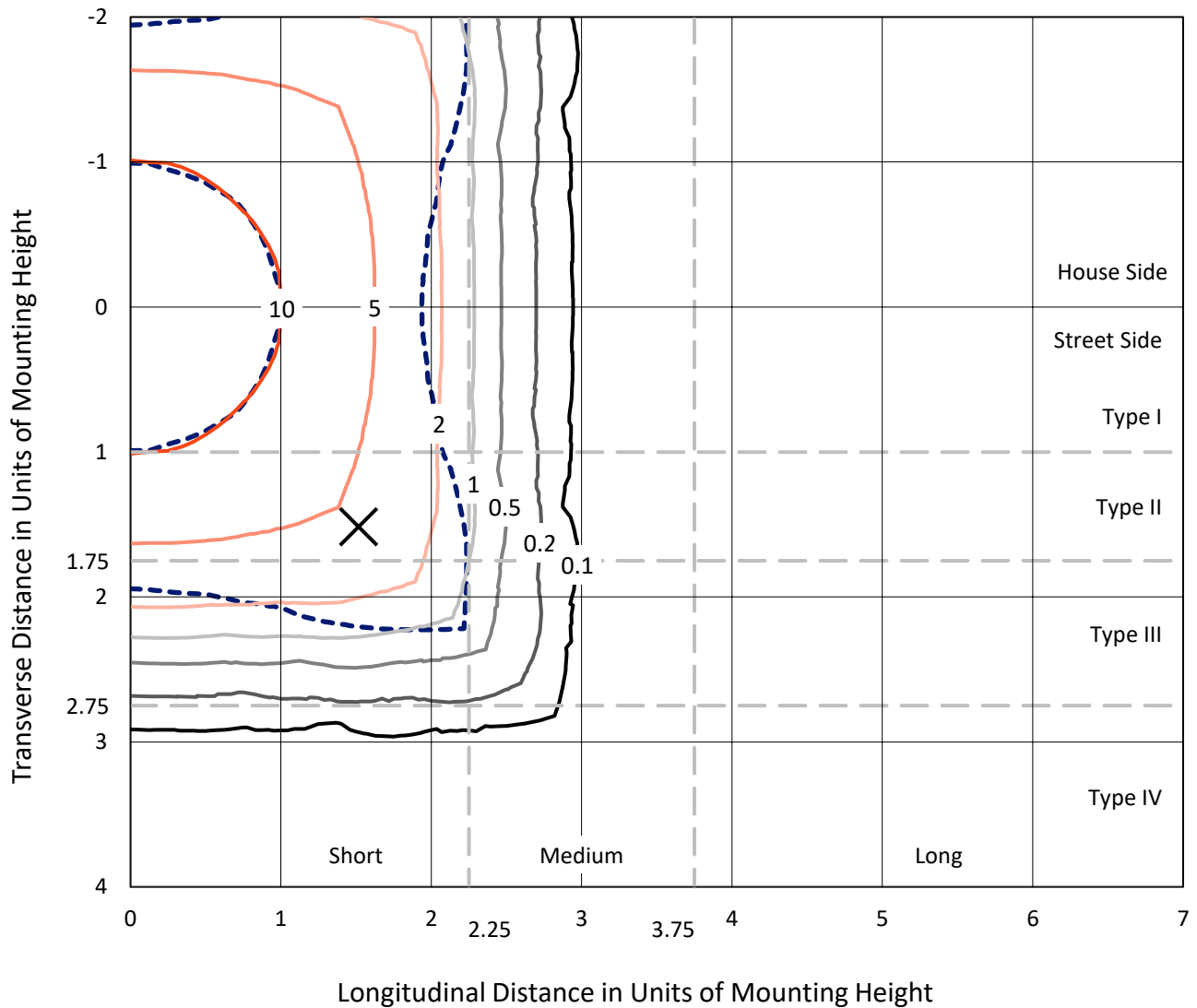
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

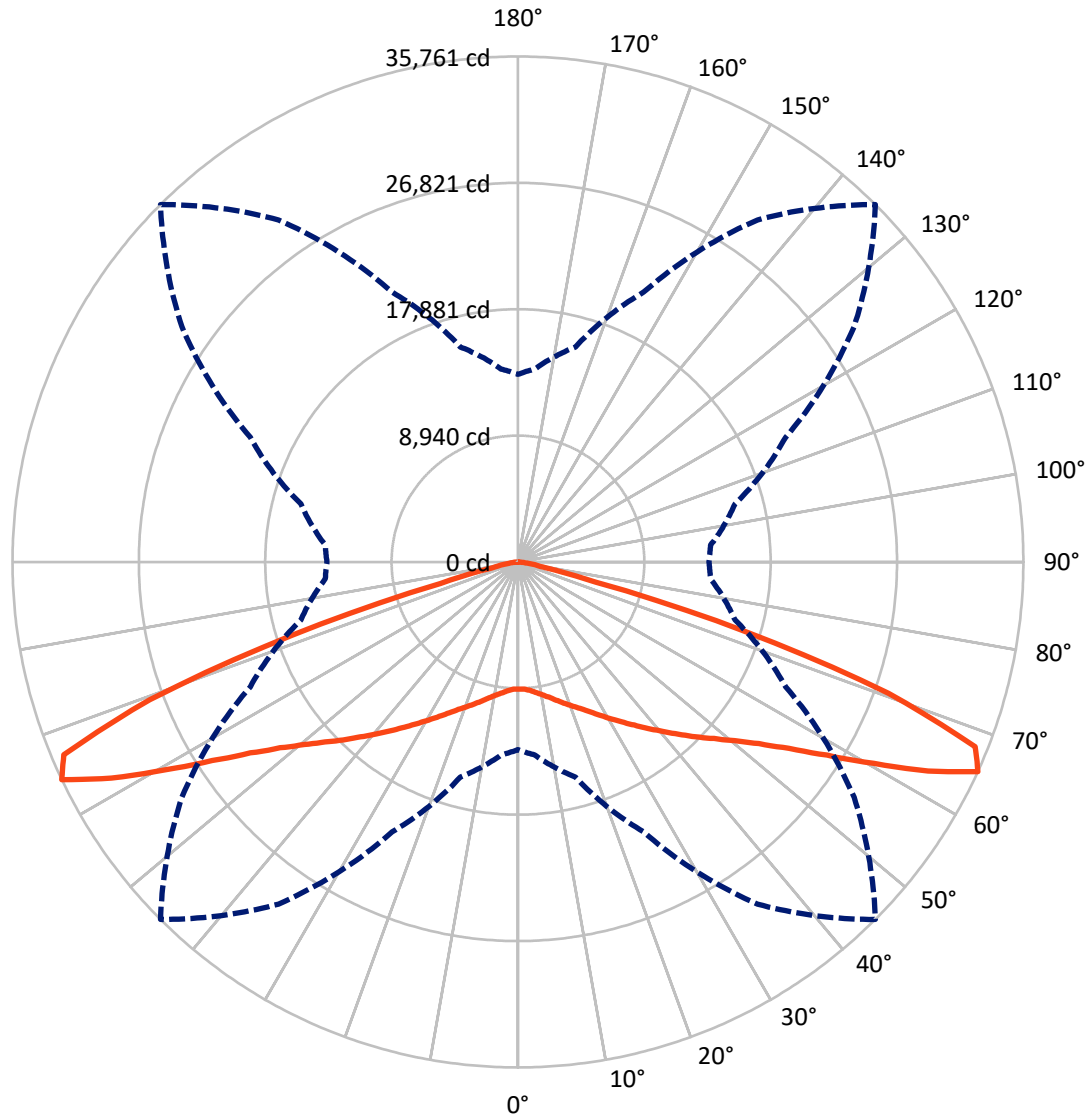
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	37812.0	0.0	37812.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37812.0	0.0	37812.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	75624.0	0.0	75624.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.2	1.2
10°-20°	2898.3	3.8
20°-30°	5472.3	7.2
30°-40°	8960.8	11.8
40°-50°	13893.8	18.4
50°-60°	20524.0	27.1
60°-70°	19536.9	25.8
70°-80°	3152.5	4.2
80°-90°	297.2	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°	75624.0	100.0
0°-180°	75624.0	100.0



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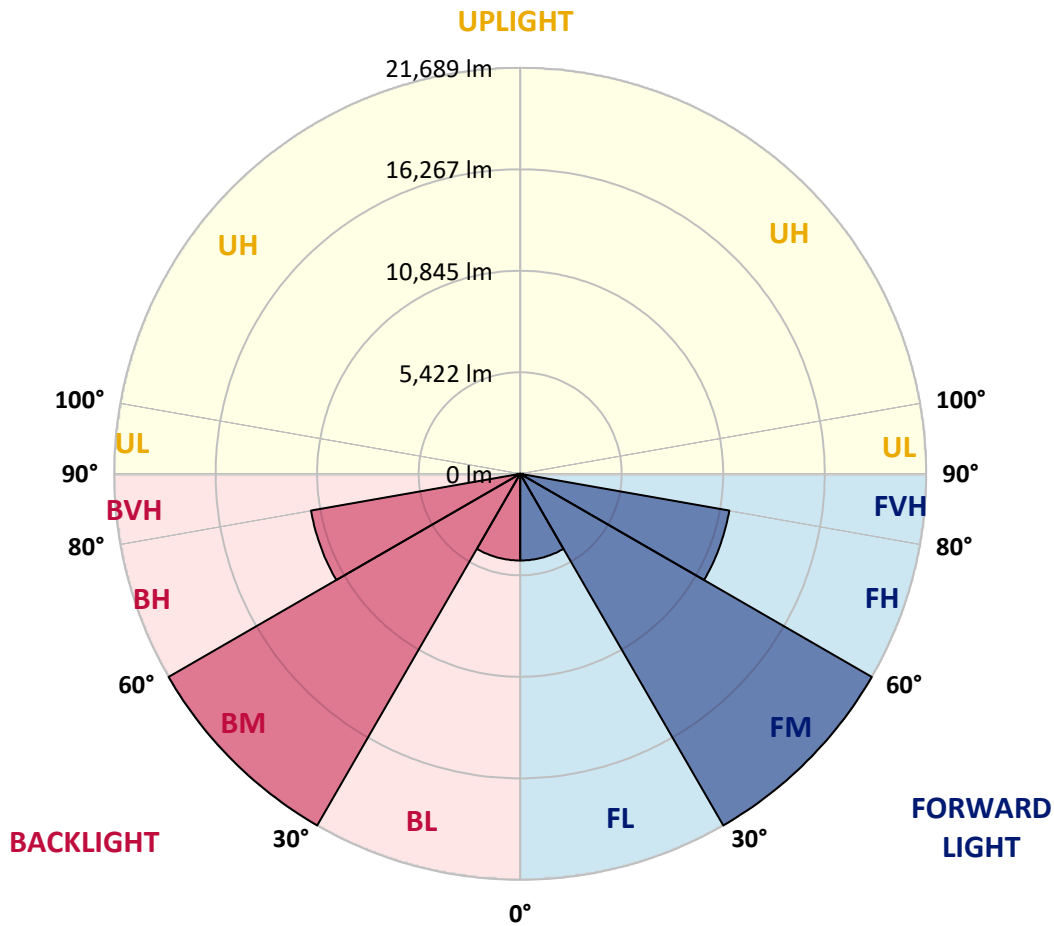
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4629.4	6.1			
FM (30°-60°)	21689.3	28.7			
FH (60°-80°)	11344.7	15.0			G4/12000
FVH (80°-90°)	148.6	0.2			G2/225
BL (0°-30°)	4629.4	6.1	B4/5000		
BM (30°-60°)	21689.3	28.7	B5		
BH (60°-80°)	11344.7	15.0	B5		G4/12000
BVH (80°-90°)	148.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9000.0	9000.0	9000.0	9000.0	9000.0	9000.0	9000.0	9000.0	9000.0	9000.0
2.5°	9060.7	9030.4	9053.1	9034.2	9019.0	9003.8	9011.4	9038.0	9049.3	9053.1
5°	9182.1	9155.6	9167.0	9167.0	9140.4	9132.8	9136.6	9155.6	9178.3	9178.3
7.5°	9379.4	9352.9	9379.4	9364.3	9341.5	9333.9	9330.1	9345.3	9379.4	9379.4
10°	9618.5	9588.1	9603.3	9595.7	9569.2	9557.8	9554.0	9576.7	9607.1	9603.3
12.5°	9880.3	9846.1	9865.1	9842.3	9834.8	9823.4	9823.4	9819.6	9838.5	9823.4
15°	10172.4	10149.7	10157.3	10142.1	10153.5	10145.9	10115.5	10100.4	10107.9	10085.2
17.5°	10517.7	10464.6	10491.2	10483.6	10483.6	10498.7	10449.4	10430.5	10445.6	10422.9
20°	10916.1	10863.0	10874.4	10859.2	10840.2	10855.4	10794.7	10809.9	10821.3	10806.1
22.5°	11352.5	11284.2	11280.4	11288.0	11246.2	11250.0	11208.3	11246.2	11269.0	11227.2
25°	11800.2	11728.1	11777.4	11758.4	11705.3	11716.7	11686.4	11724.3	11743.3	11690.2
27.5°	12274.5	12225.1	12270.7	12282.1	12217.6	12263.1	12217.6	12251.7	12270.7	12191.0
30°	12828.4	12779.1	12820.8	12851.2	12775.3	12847.4	12809.5	12832.2	12836.0	12741.2
32.5°	13431.7	13355.8	13462.1	13477.3	13393.8	13481.0	13431.7	13462.1	13481.0	13352.0
35°	14167.8	14073.0	14194.4	14175.4	14103.3	14175.4	14129.9	14175.4	14220.9	14065.4
37.5°	14960.8	14862.2	14991.2	14957.0	14888.7	14938.0	14911.5	14941.8	15013.9	14847.0
40°	15833.5	15712.1	15886.6	15825.9	15761.4	15753.8	15769.0	15788.0	15882.8	15696.9
42.5°	16766.9	16637.9	16899.7	16804.8	16713.8	16653.1	16702.4	16740.3	16831.4	16622.7
45°	17833.1	17685.1	18026.6	17912.8	17768.6	17643.4	17723.0	17780.0	17912.8	17662.3
47.5°	19009.3	18842.4	19206.6	19172.5	18937.2	18664.0	18846.1	19009.3	19108.0	18804.4
50°	20159.0	20030.0	20508.0	20549.8	20261.4	19878.2	20132.4	20379.0	20405.6	20007.2
52.5°	21236.5	21107.5	21801.9	22063.7	21805.7	21350.4	21619.8	21870.2	21669.1	21153.1
55°	22097.8	21991.6	22875.7	23551.0	23638.3	23262.7	23422.0	23414.5	22754.2	21961.2
57.5°	22306.5	22291.3	23406.9	24837.3	25747.9	25793.5	25478.5	24674.1	23251.3	22185.1
60°	21358.0	21452.8	22985.7	25508.9	27937.2	28946.5	27584.4	25288.8	22686.0	21206.2
62.5°	18519.8	18770.3	20618.1	24689.3	29705.4	32573.8	29272.8	24355.4	20363.9	18432.6
65°	13272.4	13708.7	15750.0	21069.6	29546.0	35761.0	29030.0	20898.8	15901.8	13674.6
67.5°	6021.5	6465.4	8199.4	14425.8	25683.4	34895.9	25622.7	14577.6	8609.2	6488.2
70°	2181.7	2257.6	2815.3	5774.9	16414.0	27804.4	17116.0	5816.6	2993.7	2405.6
72.5°	1320.4	1331.8	1449.4	2067.9	5702.8	16880.7	5945.6	2136.2	1479.8	1312.8
75°	838.5	830.9	1032.0	1263.5	2022.3	5695.2	2121.0	1263.5	1028.2	937.2
77.5°	603.3	622.3	739.9	944.8	1274.9	1931.3	1252.1	903.0	739.9	607.1
80°	451.5	462.9	538.8	736.1	895.4	1202.8	796.8	667.8	557.8	379.4
82.5°	326.3	326.3	352.9	535.0	546.4	648.8	432.5	470.5	368.0	269.4
85°	193.5	189.7	220.1	318.7	284.6	239.0	197.3	288.4	231.5	166.9
87.5°	68.3	72.1	68.3	91.1	75.9	64.5	60.7	79.7	64.5	56.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9000.0
9053.1
9178.3
9368.1
9595.7
9831.0
10089.0
10441.8
10840.2
11269.0
11750.9
12251.7
12798.1
13439.3
14160.2
14949.4
15757.6
16732.7
17791.3
18906.9
20056.5
21168.2
21987.8
22116.8
21031.6
18318.7
13511.4
6393.3
2375.2
1335.6
944.8
618.5
390.8
269.4
163.2
53.1
0.0

OF REPORT)