

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: P957410

Luminaire Tested: **GALN-SB9D-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957410
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-SB9D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 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: 102756 lumens
Efficiency: N/A
Efficacy: 156.2 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

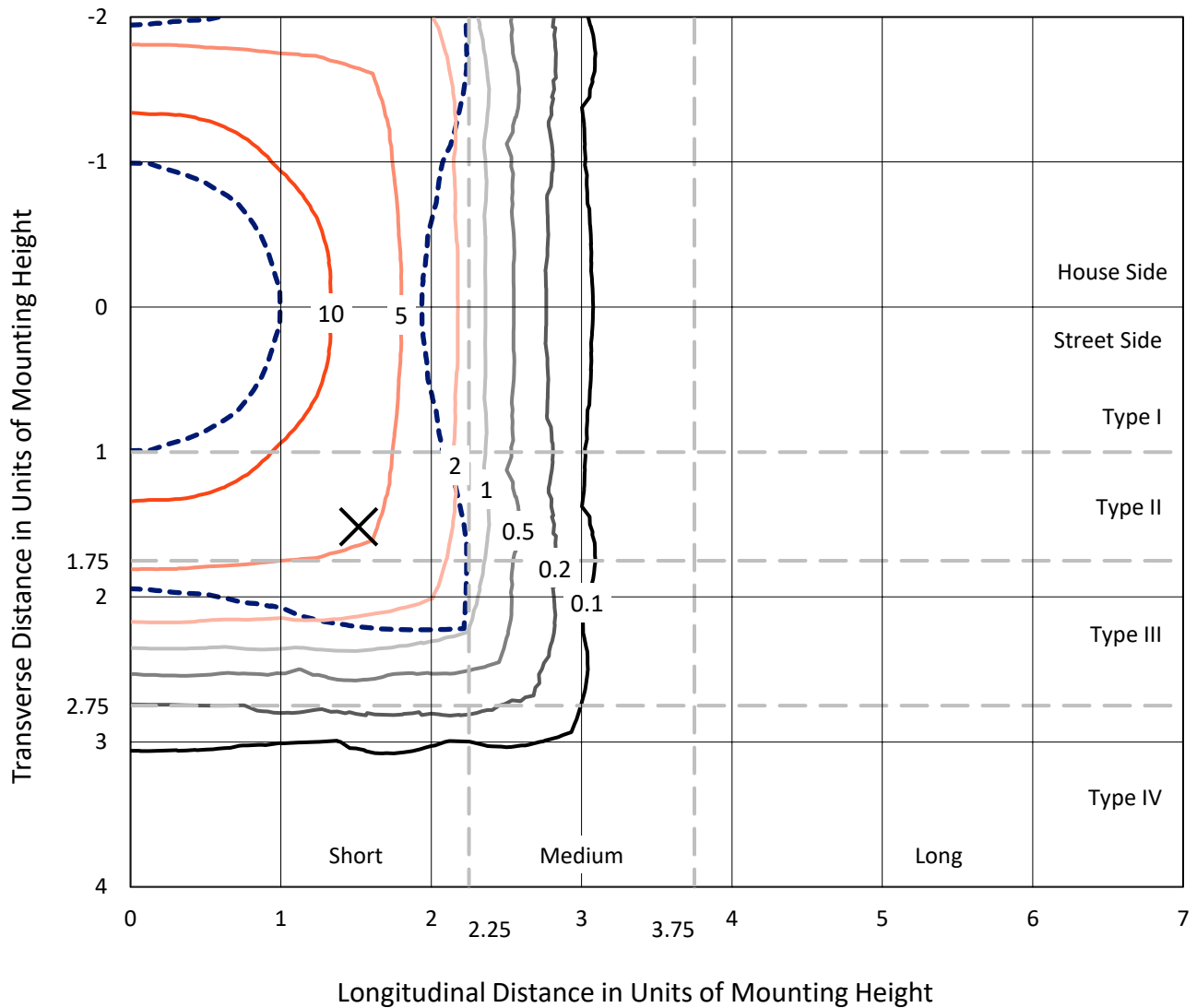
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

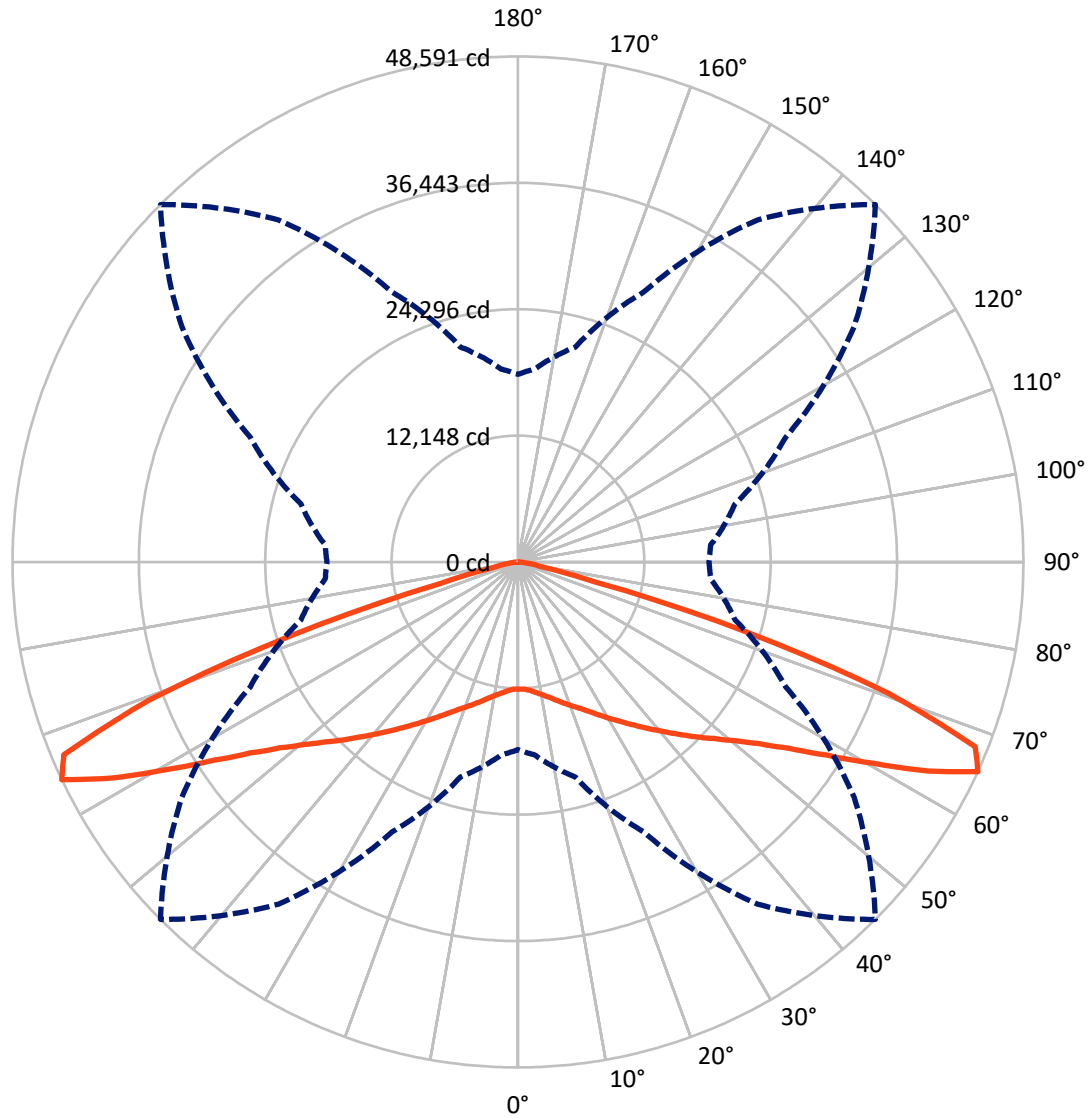
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 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	51378.0	0.0	51378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	51378.0	0.0	51378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	102756.0	0.0	102756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1206.9	1.2
10°-20°	3938.2	3.8
20°-30°	7435.7	7.2
30°-40°	12175.7	11.8
40°-50°	18878.5	18.4
50°-60°	27887.5	27.1
60°-70°	26546.3	25.8
70°-80°	4283.6	4.2
80°-90°	403.8	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°	102756.0	100.0
0°-180°	102756.0	100.0

Coefficient of Utilization

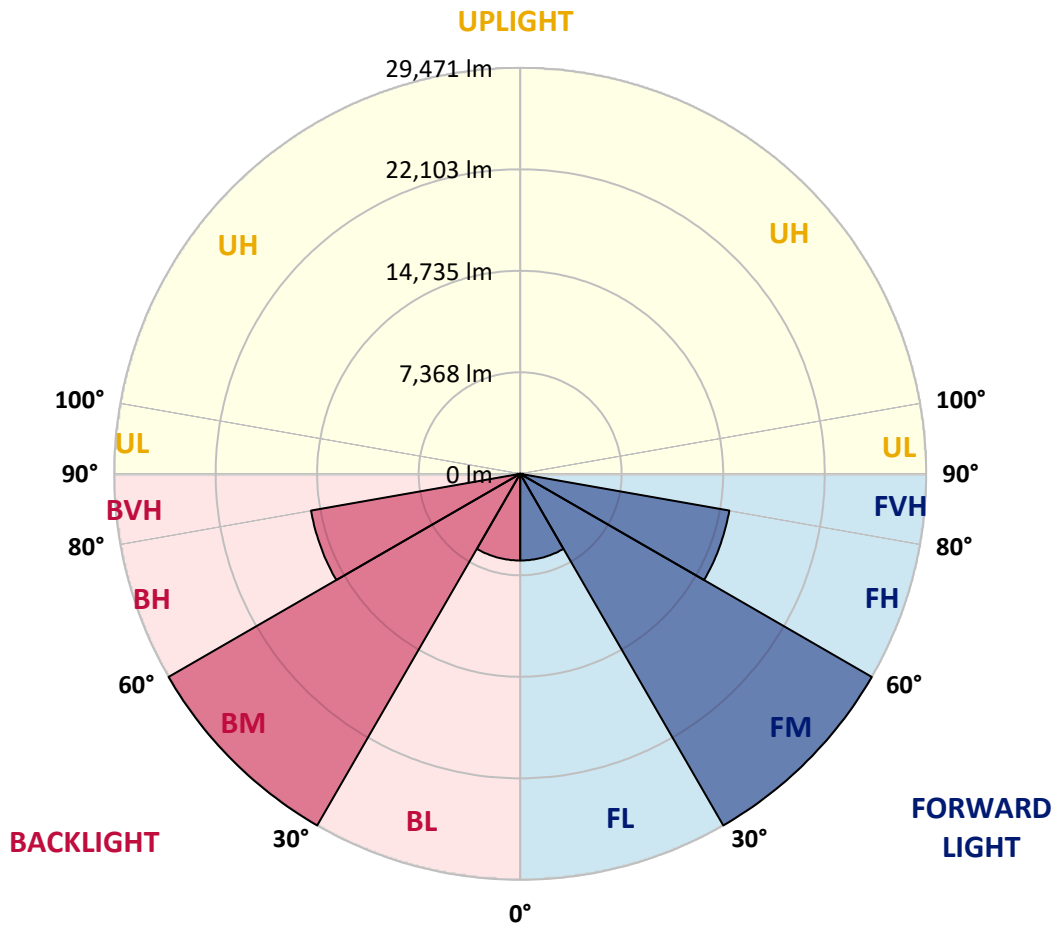


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6290.4	6.1			
FM (30°-60°)	29470.8	28.7			
FH (60°-80°)	15414.9	15.0			G5
FVH (80°-90°)	201.9	0.2			G2/225
BL (0°-30°)	6290.4	6.1	B5		
BM (30°-60°)	29470.8	28.7	B5		
BH (60°-80°)	15414.9	15.0	B5		G5
BVH (80°-90°)	201.9	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-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12229.0	12229.0	12229.0	12229.0	12229.0	12229.0	12229.0	12229.0	12229.0	12229.0
2.5°	12311.5	12270.2	12301.2	12275.4	12254.8	12234.1	12244.5	12280.5	12296.0	12301.2
5°	12476.5	12440.4	12455.8	12455.8	12419.7	12409.4	12414.6	12440.4	12471.3	12471.3
7.5°	12744.5	12708.5	12744.5	12723.9	12693.0	12682.7	12677.5	12698.1	12744.5	12744.5
10°	13069.3	13028.1	13048.7	13038.4	13002.3	12986.9	12981.7	13012.6	13053.9	13048.7
12.5°	13425.1	13378.7	13404.5	13373.5	13363.2	13347.7	13347.7	13342.6	13368.4	13347.7
15°	13822.1	13791.1	13801.4	13780.8	13796.3	13786.0	13744.7	13724.1	13734.4	13703.5
17.5°	14291.2	14219.0	14255.1	14244.8	14244.8	14265.4	14198.4	14172.6	14193.3	14162.3
20°	14832.6	14760.4	14775.8	14755.2	14729.4	14750.1	14667.6	14688.2	14703.7	14683.0
22.5°	15425.4	15332.6	15327.5	15337.8	15281.1	15286.2	15229.5	15281.1	15312.0	15255.3
25°	16033.8	15935.8	16002.9	15977.1	15904.9	15920.4	15879.1	15930.7	15956.5	15884.3
27.5°	16678.2	16611.2	16673.1	16688.6	16600.9	16662.8	16600.9	16647.3	16673.1	16564.8
30°	17431.0	17363.9	17420.6	17461.9	17358.8	17456.7	17405.2	17436.1	17441.3	17312.4
32.5°	18250.7	18147.6	18291.9	18312.6	18199.1	18317.7	18250.7	18291.9	18317.7	18142.4
35°	19250.9	19122.0	19287.0	19261.2	19163.2	19261.2	19199.3	19261.2	19323.0	19111.7
37.5°	20328.4	20194.3	20369.6	20323.2	20230.4	20297.4	20261.4	20302.6	20400.6	20173.7
40°	21514.2	21349.2	21586.3	21503.8	21416.2	21405.9	21426.5	21452.3	21581.2	21328.6
42.5°	22782.4	22607.1	22962.9	22834.0	22710.2	22627.8	22694.8	22746.3	22870.1	22586.5
45°	24231.1	24030.1	24494.1	24339.4	24143.5	23973.4	24081.6	24159.0	24339.4	23999.1
47.5°	25829.4	25602.5	26097.5	26051.1	25731.4	25360.2	25607.7	25829.4	25963.4	25551.0
50°	27391.5	27216.2	27865.8	27922.5	27530.7	27010.0	27355.4	27690.5	27726.6	27185.3
52.5°	28855.7	28680.4	29623.9	29979.6	29629.0	29010.3	29376.4	29716.7	29443.4	28742.3
55°	30026.0	29881.6	31082.9	32000.6	32119.1	31608.7	31825.3	31815.0	30917.9	29840.4
57.5°	30309.5	30288.9	31804.7	33748.3	34985.6	35047.5	34619.6	33526.6	31593.3	30144.6
60°	29020.7	29149.5	31232.4	34660.8	37960.4	39331.8	37480.9	34361.8	30825.1	28814.4
62.5°	25164.3	25504.6	28015.3	33547.2	40362.9	44260.5	39775.2	33093.5	27669.9	25045.7
65°	18034.2	18627.0	21400.7	28628.8	40146.4	48591.2	39445.2	28396.8	21607.0	18580.6
67.5°	8181.9	8785.1	11141.2	19601.4	34898.0	47415.7	34815.5	19807.7	11698.0	8816.0
70°	2964.4	3067.6	3825.4	7846.8	22303.0	37780.0	23256.7	7903.5	4067.7	3268.6
72.5°	1794.1	1809.6	1969.4	2809.8	7748.8	22937.1	8078.8	2902.6	2010.7	1783.8
75°	1139.4	1129.1	1402.3	1716.8	2747.9	7738.5	2882.0	1716.8	1397.2	1273.4
77.5°	819.7	845.5	1005.3	1283.7	1732.3	2624.2	1701.3	1227.0	1005.3	824.9
80°	613.5	629.0	732.1	1000.2	1216.7	1634.3	1082.7	907.4	757.9	515.6
82.5°	443.4	443.4	479.5	726.9	742.4	881.6	587.7	639.3	500.1	366.0
85°	262.9	257.8	299.0	433.1	386.7	324.8	268.1	391.8	314.5	226.8
87.5°	92.8	98.0	92.8	123.7	103.1	87.6	82.5	108.3	87.6	77.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
12229.0
12301.2
12471.3
12729.1
13038.4
13358.1
13708.6
14188.1
14729.4
15312.0
15966.8
16647.3
17389.7
18261.0
19240.6
20312.9
21411.0
22736.0
24174.4
25690.2
27252.3
28762.9
29876.5
30051.8
28577.3
24891.1
18359.0
8687.1
3227.4
1814.8
1283.7
840.4
531.0
366.0
221.7
72.2
0.0

OF REPORT)