

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: P956150

Luminaire Tested: **GALN-SB8D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956150
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-SB8D-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52485 lumens
Efficiency: N/A
Efficacy: 89.7 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

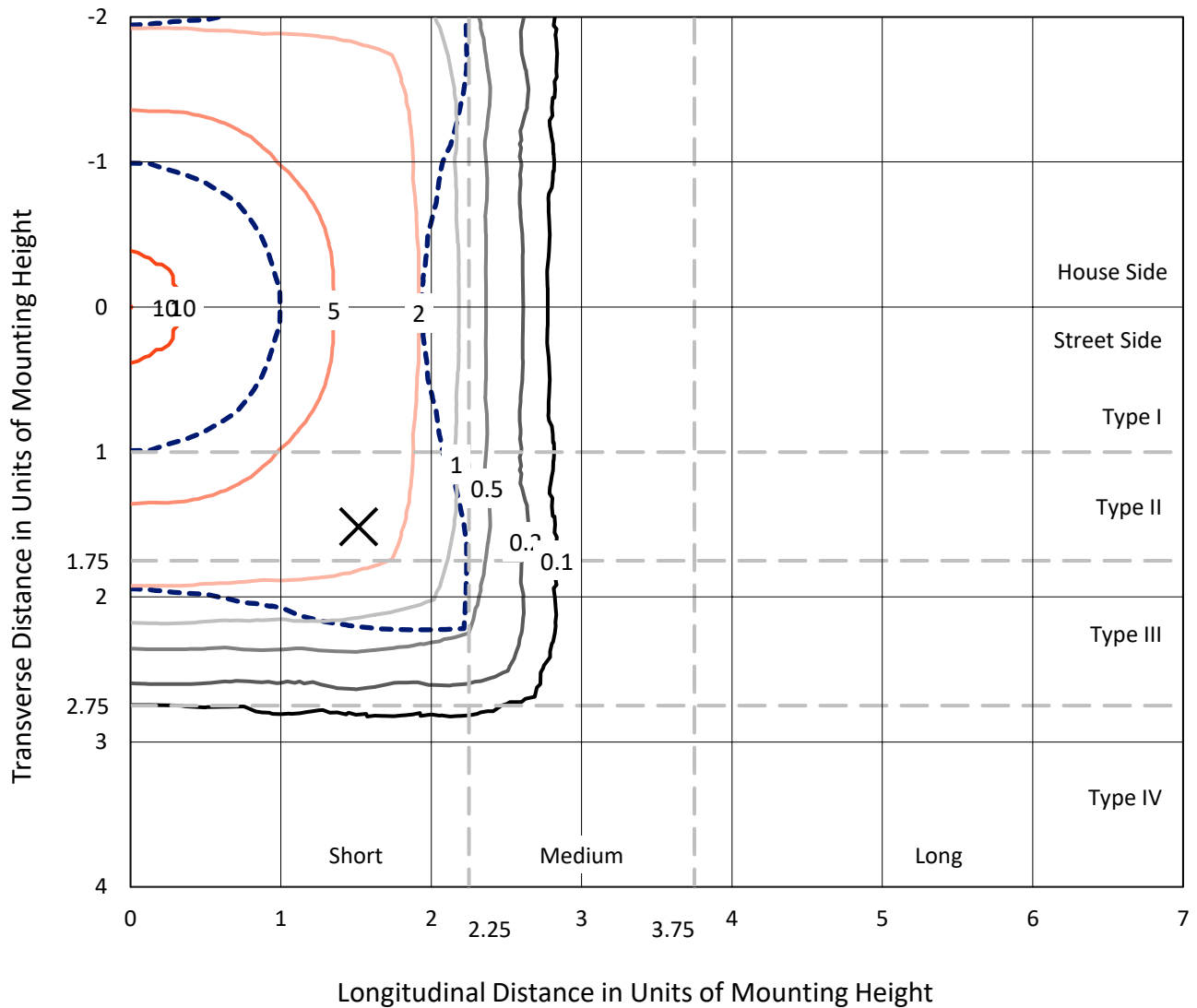
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

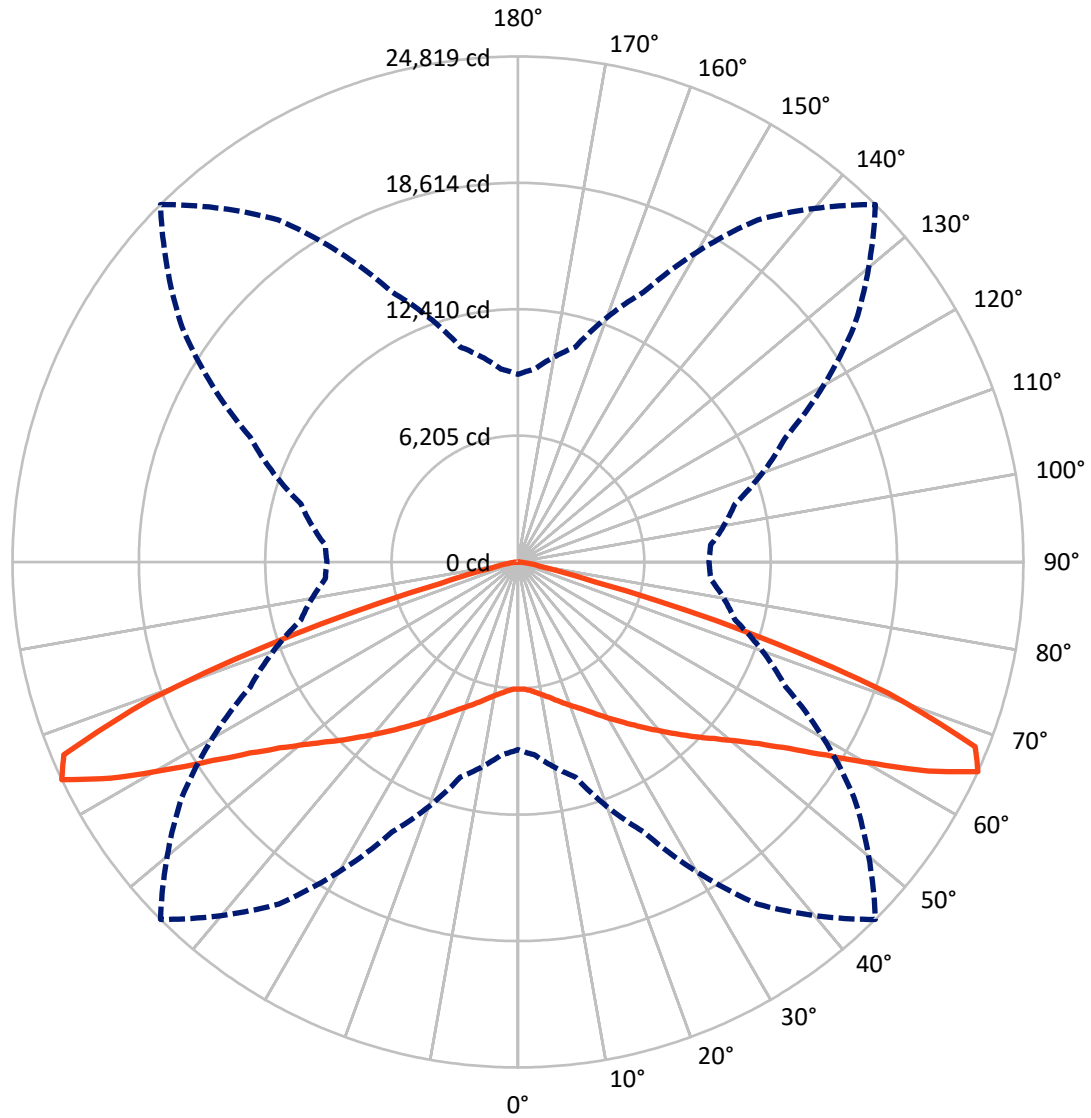
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	26242.5	0.0	26242.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26242.5	0.0	26242.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52485.0	0.0	52485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.4	1.2
10°-20°	2011.5	3.8
20°-30°	3797.9	7.2
30°-40°	6219.0	11.8
40°-50°	9642.6	18.4
50°-60°	14244.2	27.1
60°-70°	13559.1	25.8
70°-80°	2187.9	4.2
80°-90°	206.2	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°	52485.0	100.0
0°-180°	52485.0	100.0

Coefficient of Utilization



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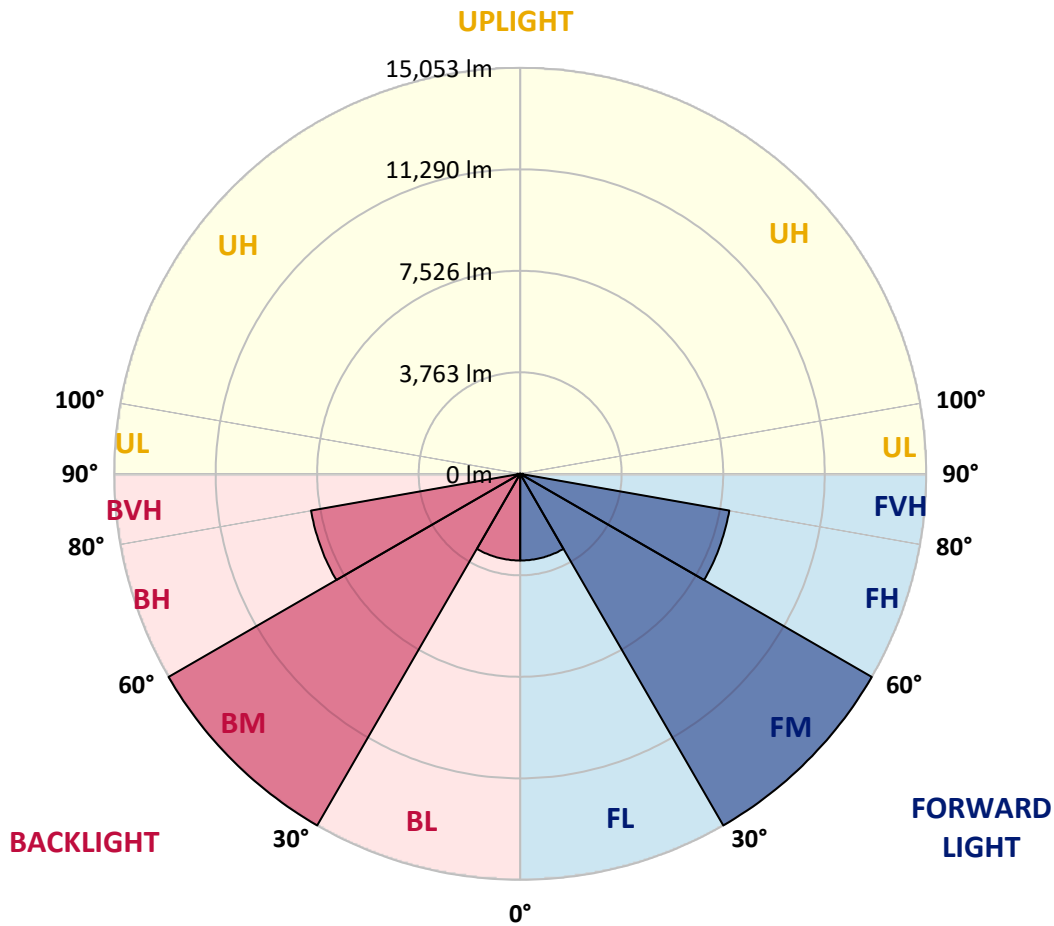
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3212.9	6.1			
FM (30°-60°)	15052.9	28.7			
FH (60°-80°)	7873.5	15.0			G4/12000
FVH (80°-90°)	103.1	0.2			G2/225
BL (0°-30°)	3212.9	6.1	B4/5000		
BM (30°-60°)	15052.9	28.7	B5		
BH (60°-80°)	7873.5	15.0	B5		G4/12000
BVH (80°-90°)	103.1	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°	6246.2	6246.2	6246.2	6246.2	6246.2	6246.2	6246.2	6246.2	6246.2	6246.2
2.5°	6288.4	6267.3	6283.1	6269.9	6259.4	6248.9	6254.1	6272.6	6280.5	6283.1
5°	6372.6	6354.2	6362.1	6362.1	6343.7	6338.4	6341.0	6354.2	6370.0	6370.0
7.5°	6509.6	6491.1	6509.6	6499.0	6483.2	6478.0	6475.3	6485.9	6509.6	6509.6
10°	6675.5	6654.4	6664.9	6659.7	6641.2	6633.3	6630.7	6646.5	6667.6	6664.9
12.5°	6857.2	6833.5	6846.6	6830.8	6825.6	6817.7	6817.7	6815.0	6828.2	6817.7
15°	7059.9	7044.1	7049.4	7038.9	7046.8	7041.5	7020.4	7009.9	7015.2	6999.4
17.5°	7299.6	7262.7	7281.1	7275.9	7275.9	7286.4	7252.2	7239.0	7249.5	7233.7
20°	7576.1	7539.2	7547.1	7536.6	7523.4	7533.9	7491.8	7502.3	7510.2	7499.7
22.5°	7878.9	7831.5	7828.9	7834.1	7805.2	7807.8	7778.8	7805.2	7821.0	7792.0
25°	8189.6	8139.6	8173.8	8160.7	8123.8	8131.7	8110.6	8137.0	8150.1	8113.3
27.5°	8518.8	8484.6	8516.2	8524.1	8479.3	8510.9	8479.3	8503.0	8516.2	8460.9
30°	8903.3	8869.0	8898.0	8919.1	8866.4	8916.4	8890.1	8905.9	8908.5	8842.7
32.5°	9322.0	9269.3	9343.0	9353.6	9295.6	9356.2	9322.0	9343.0	9356.2	9266.7
35°	9832.8	9767.0	9851.3	9838.1	9788.1	9838.1	9806.5	9838.1	9869.7	9761.7
37.5°	10383.2	10314.7	10404.3	10380.6	10333.2	10367.4	10349.0	10370.0	10420.1	10304.2
40°	10988.9	10904.6	11025.7	10983.6	10938.8	10933.6	10944.1	10957.3	11023.1	10894.1
42.5°	11636.7	11547.1	11728.8	11663.0	11599.8	11557.7	11591.9	11618.2	11681.4	11536.6
45°	12376.6	12273.9	12510.9	12431.9	12331.8	12244.9	12300.2	12339.7	12431.9	12258.1
47.5°	13192.9	13077.1	13329.9	13306.2	13142.9	12953.3	13079.7	13192.9	13261.4	13050.7
50°	13990.8	13901.3	14233.1	14262.1	14061.9	13796.0	13972.4	14143.6	14162.0	13885.5
52.5°	14738.7	14649.2	15131.1	15312.8	15133.7	14817.7	15004.7	15178.5	15038.9	14680.8
55°	15336.5	15262.7	15876.3	16345.0	16405.6	16144.9	16255.5	16250.2	15792.0	15241.7
57.5°	15481.3	15470.8	16245.0	17237.7	17869.7	17901.3	17682.8	17124.5	16137.0	15397.0
60°	14823.0	14888.8	15952.7	17703.8	19389.2	20089.6	19144.3	17551.1	15744.6	14717.6
62.5°	12853.2	13027.0	14309.5	17135.0	20616.3	22607.1	20316.1	16903.3	14133.0	12792.7
65°	9211.4	9514.2	10930.9	14622.8	20505.7	24819.1	20147.5	14504.3	11036.3	9490.5
67.5°	4179.1	4487.2	5690.6	10011.9	17825.0	24218.7	17782.8	10117.2	5975.0	4503.0
70°	1514.2	1566.8	1953.9	4007.9	11391.8	19297.0	11878.9	4036.9	2077.7	1669.5
72.5°	916.4	924.3	1005.9	1435.2	3957.9	11715.6	4126.4	1482.6	1027.0	911.1
75°	582.0	576.7	716.3	876.9	1403.6	3952.6	1472.0	876.9	713.6	650.4
77.5°	418.7	431.9	513.5	655.7	884.8	1340.4	869.0	626.7	513.5	421.3
80°	313.4	321.3	373.9	510.9	621.5	834.8	553.0	463.5	387.1	263.3
82.5°	226.5	226.5	244.9	371.3	379.2	450.3	300.2	326.5	255.4	187.0
85°	134.3	131.7	152.7	221.2	197.5	165.9	136.9	200.1	160.6	115.9
87.5°	47.4	50.0	47.4	63.2	52.7	44.8	42.1	55.3	44.8	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6246.2
6283.1
6370.0
6501.7
6659.7
6822.9
7002.0
7246.9
7523.4
7821.0
8155.4
8503.0
8882.2
9327.2
9827.6
10375.3
10936.2
11613.0
12347.6
13121.8
13919.7
14691.3
15260.1
15349.6
14596.5
12713.7
9377.3
4437.1
1648.5
926.9
655.7
429.2
271.2
187.0
113.2
36.9
0.0

OF REPORT)