

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: P955187

Luminaire Tested: **GALN-SB8B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38734 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

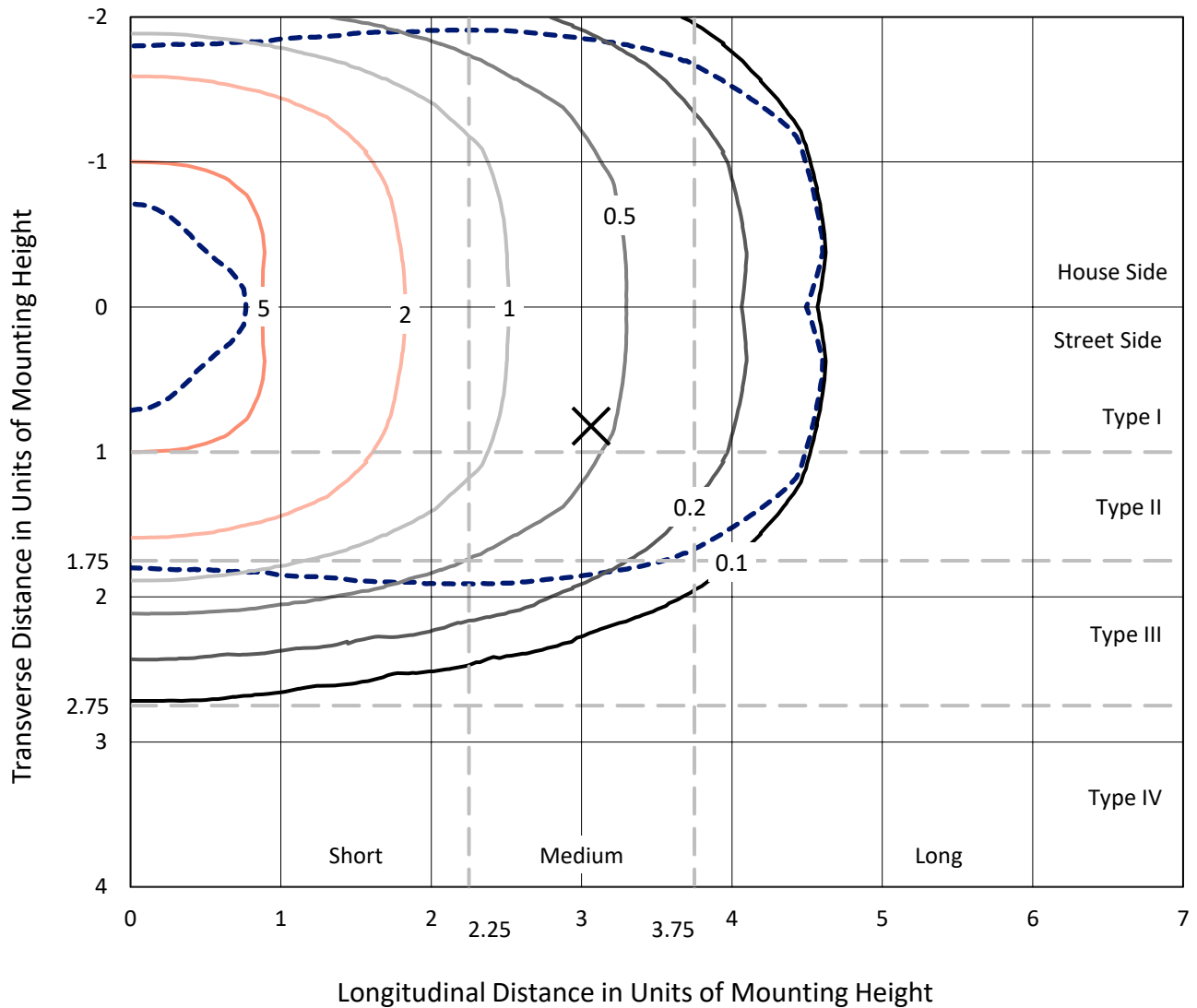
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955187
 CATALOG NUMBER: GALN-SB8B-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

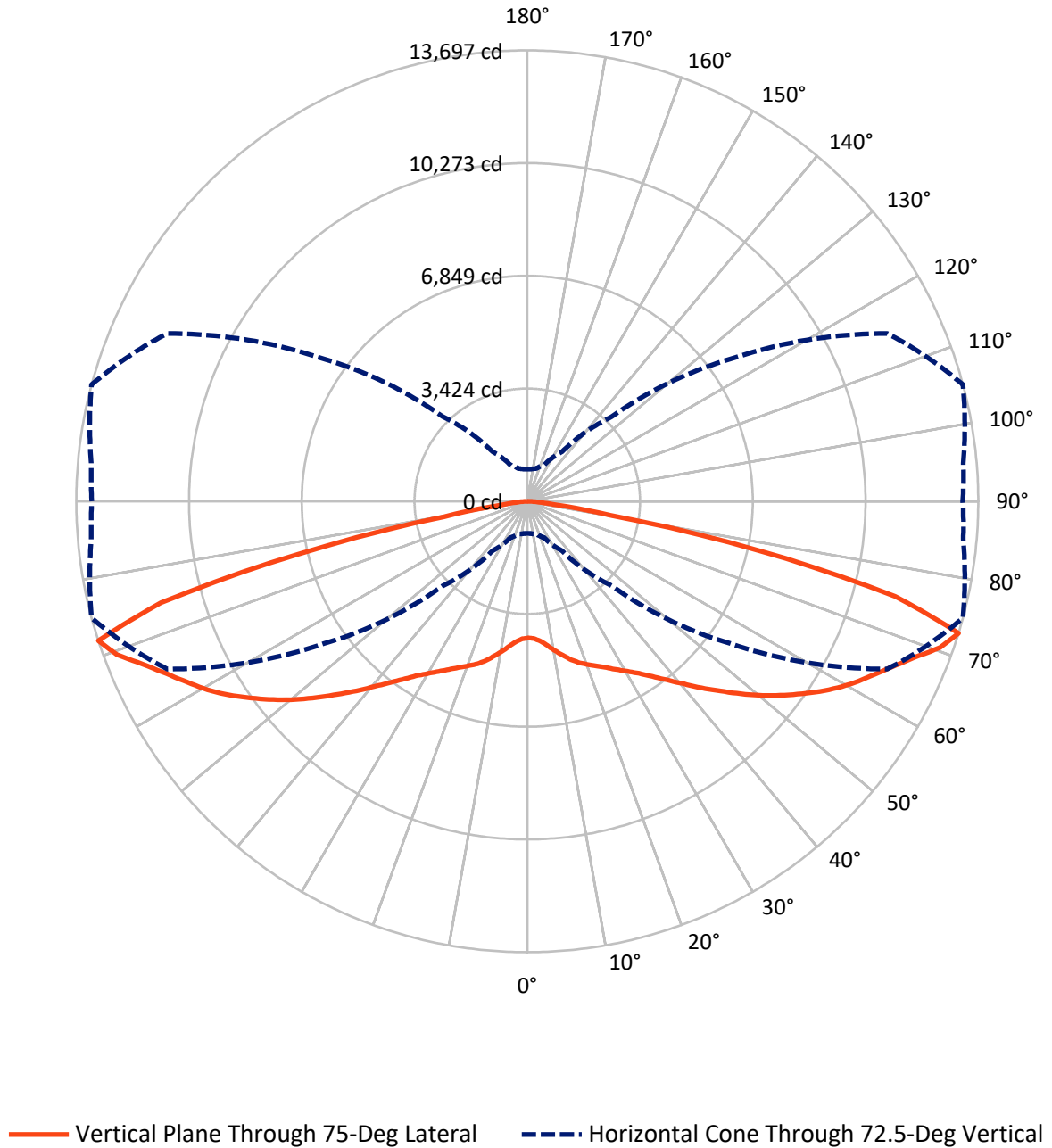
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P955187
CATALOG NUMBER: GALN-SB8B-722-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P955187
 CATALOG NUMBER: GALN-SB8B-722-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19367.0	0.0	19367.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19367.0	0.0	19367.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38734.0	0.0	38734.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	1.0
10°-20°	1340.5	3.5
20°-30°	2590.3	6.7
30°-40°	4373.8	11.3
40°-50°	6936.4	17.9
50°-60°	9287.1	24.0
60°-70°	8838.3	22.8
70°-80°	4612.0	11.9
80°-90°	349.1	0.9
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°	38734.0	100.0
0°-180°	38734.0	100.0



REPORT NUMBER: P955187

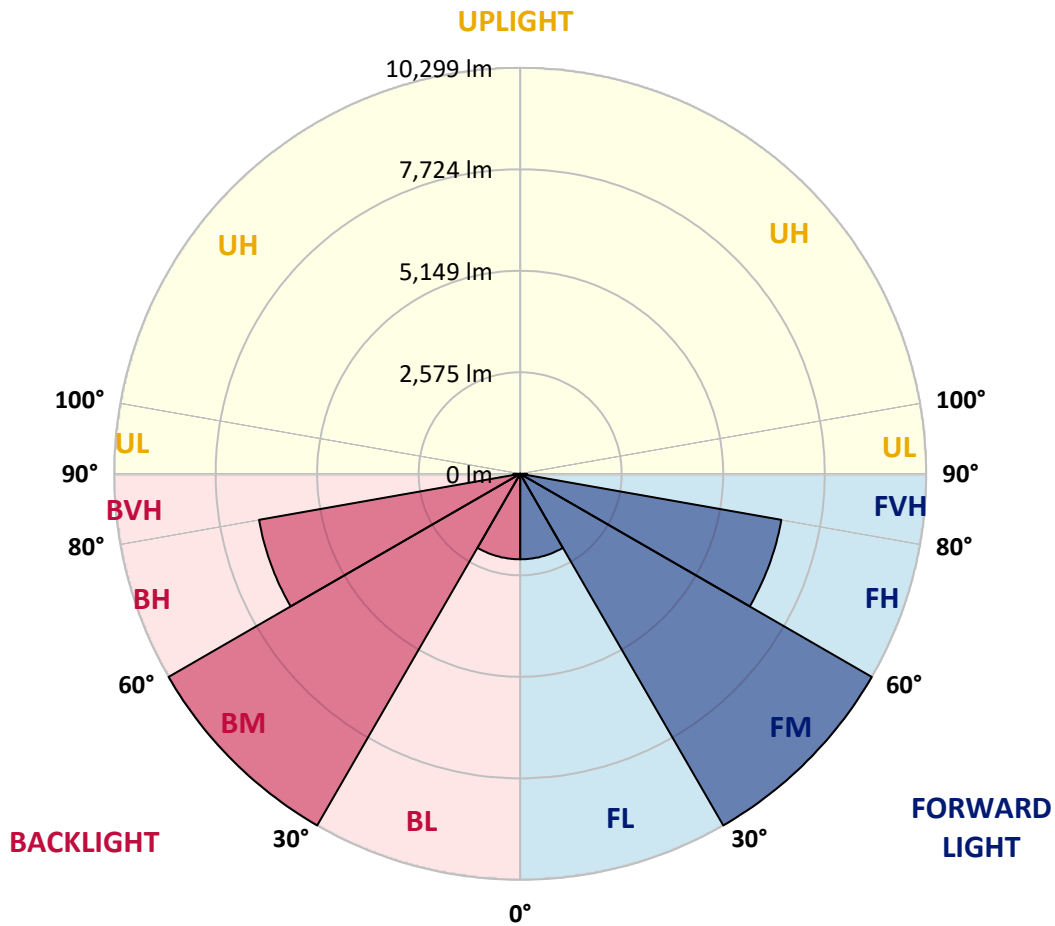
CATALOG NUMBER: GALN-SB8B-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2168.6	5.6			
FM (30°-60°)	10298.7	26.6			
FH (60°-80°)	6725.1	17.4			G3/7500
FVH (80°-90°)	174.6	0.5			G2/225
BL (0°-30°)	2168.6	5.6	B3/2500		
BM (30°-60°)	10298.7	26.6	B5		
BH (60°-80°)	6725.1	17.4	B5		G5
BVH (80°-90°)	174.6	0.5			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 III Medium



REPORT NUMBER: P955187
 CATALOG NUMBER: GALN-SB8B-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4149.1	4145.1	4149.1	4153.1	4151.1	4151.1	4161.0	4166.9	4178.8	4176.8	4174.8
5°	4121.4	4119.4	4135.3	4153.1	4166.9	4190.6	4220.3	4242.1	4269.7	4275.7	4275.7
7.5°	4107.6	4101.6	4129.3	4161.0	4204.5	4263.8	4321.2	4380.5	4428.0	4443.8	4447.7
10°	4117.5	4119.4	4157.0	4216.3	4285.6	4368.6	4449.7	4550.6	4617.8	4633.6	4649.4
12.5°	4162.9	4159.0	4222.3	4317.2	4412.1	4516.9	4611.9	4722.6	4795.8	4833.4	4849.2
15°	4246.0	4238.1	4327.1	4467.5	4605.9	4728.6	4805.7	4910.5	4995.5	5043.0	5060.8
17.5°	4344.9	4348.8	4465.5	4647.5	4829.4	4967.9	5041.0	5094.4	5159.7	5201.2	5221.0
20°	4518.9	4526.8	4657.4	4872.9	5080.6	5238.8	5298.1	5278.3	5296.1	5327.8	5351.5
22.5°	4752.3	4756.2	4902.6	5136.0	5353.5	5527.5	5567.1	5486.0	5436.6	5458.3	5474.1
25°	5023.2	5048.9	5195.3	5434.6	5658.0	5824.2	5842.0	5719.4	5596.7	5602.7	5612.6
27.5°	5353.5	5377.2	5525.5	5762.9	5990.3	6134.7	6132.7	5968.5	5788.6	5743.1	5756.9
30°	5711.4	5737.2	5889.4	6134.7	6346.3	6472.8	6445.2	6249.4	5992.3	5907.2	5917.1
32.5°	6136.6	6152.5	6306.7	6551.9	6747.7	6848.6	6791.2	6550.0	6229.6	6132.7	6156.4
35°	6650.8	6674.6	6789.3	7020.6	7192.7	7275.8	7178.9	6894.1	6534.1	6425.4	6441.2
37.5°	7238.2	7222.4	7352.9	7558.6	7701.0	7752.4	7619.9	7281.7	6882.2	6753.7	6777.4
40°	7851.3	7843.4	7985.7	8183.5	8260.6	8292.3	8096.5	7726.7	7283.7	7145.2	7190.7
42.5°	8407.0	8401.0	8592.9	8812.4	8905.3	8869.7	8622.5	8199.3	7748.4	7590.2	7629.8
45°	8852.0	8844.0	9079.4	9387.9	9569.8	9510.5	9178.3	8721.4	8219.1	8055.0	8092.5
47.5°	9194.1	9198.0	9451.2	9832.9	10151.3	10173.0	9745.8	9253.4	8737.2	8551.3	8606.7
50°	9441.3	9453.2	9724.1	10147.3	10582.4	10774.2	10325.3	9799.2	9273.2	9063.6	9126.8
52.5°	9502.6	9524.4	9850.7	10347.1	10859.3	11225.1	10914.6	10323.3	9781.4	9581.7	9633.1
55°	9176.3	9219.8	9633.1	10331.2	11029.3	11521.8	11432.8	10855.3	10293.7	10088.0	10145.3
57.5°	8426.8	8488.1	8970.6	9882.3	10991.8	11725.5	11834.2	11365.5	10805.9	10608.1	10653.6
60°	7376.6	7449.8	7912.6	8907.3	10461.8	11800.6	12117.0	11861.9	11276.5	11084.7	11126.2
62.5°	5792.5	5887.5	6441.2	7608.0	9342.4	11450.6	12358.3	12310.9	11699.8	11460.5	11488.2
65°	3716.0	3816.9	4400.3	5778.7	7849.3	10378.7	12433.5	12747.9	12146.7	11812.5	11854.0
67.5°	2240.7	2286.2	2574.9	3502.4	5737.2	8763.0	11796.7	13232.4	12668.8	12253.5	12285.1
70°	1433.8	1459.5	1631.6	2056.8	3243.3	6393.7	10218.5	13323.4	13301.7	12706.4	12702.4
72.5°	973.0	980.9	1026.4	1218.2	1835.3	3632.9	7536.8	12061.7	13697.2	13289.8	13226.5
75°	712.0	755.5	828.6	862.3	1042.2	1815.5	4319.2	8474.2	11543.5	11721.5	11290.4
77.5°	530.0	532.0	632.8	672.4	743.6	967.1	1827.3	4730.5	7167.0	7524.9	6712.1
80°	448.9	425.2	423.2	541.9	559.7	603.2	816.8	1633.5	2567.0	1556.4	1176.7
82.5°	373.8	348.1	314.4	423.2	381.7	369.8	354.0	664.5	816.8	401.5	342.1
85°	261.0	249.2	237.3	276.9	217.5	185.9	170.1	310.5	344.1	170.1	150.3
87.5°	112.7	116.7	118.7	122.6	91.0	65.3	65.3	87.0	87.0	67.2	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)