

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: P944503

Luminaire Tested: **GALN-SB9C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62591 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

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



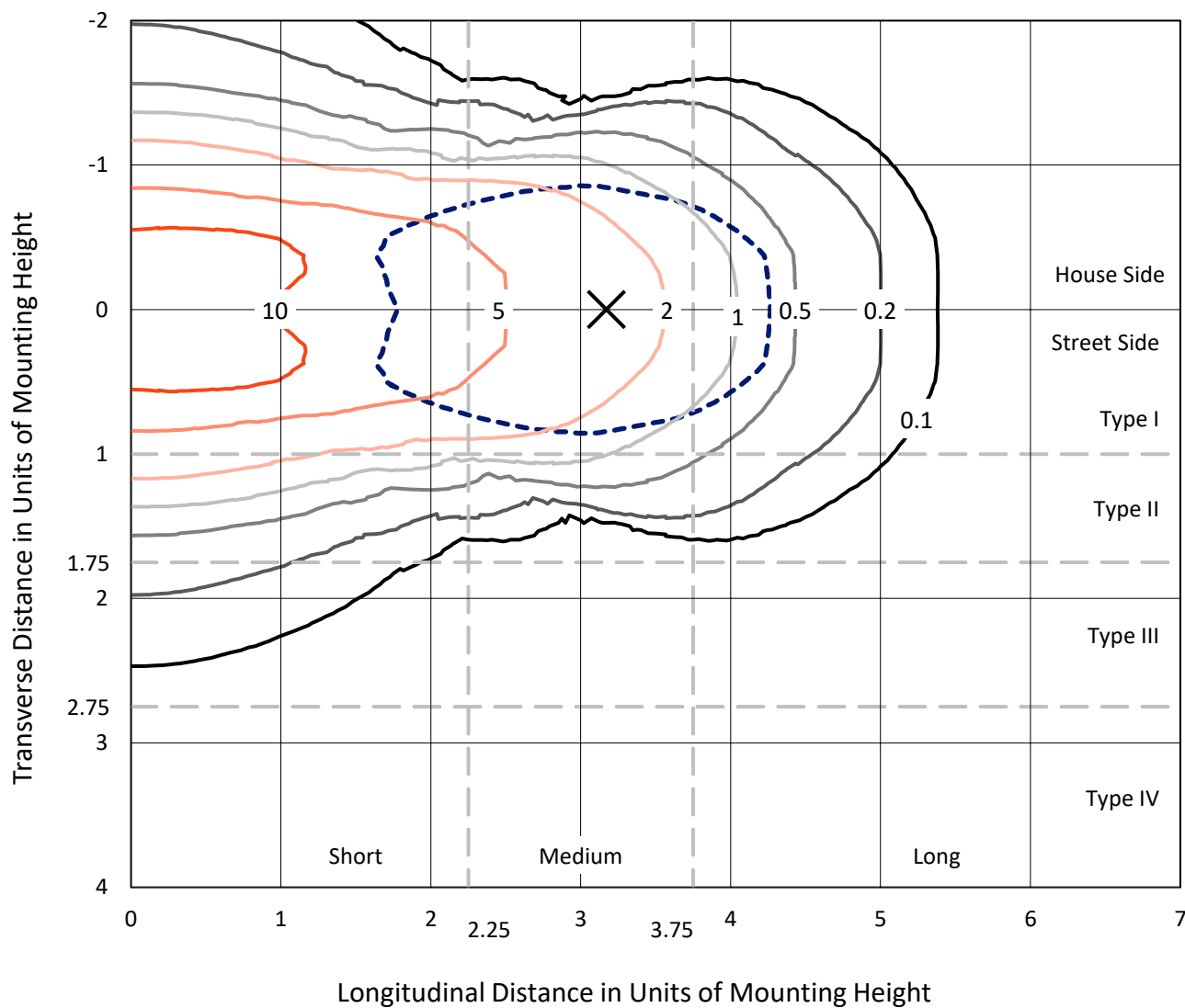
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Iso-Footcandle Lines of Horizontal Illumination

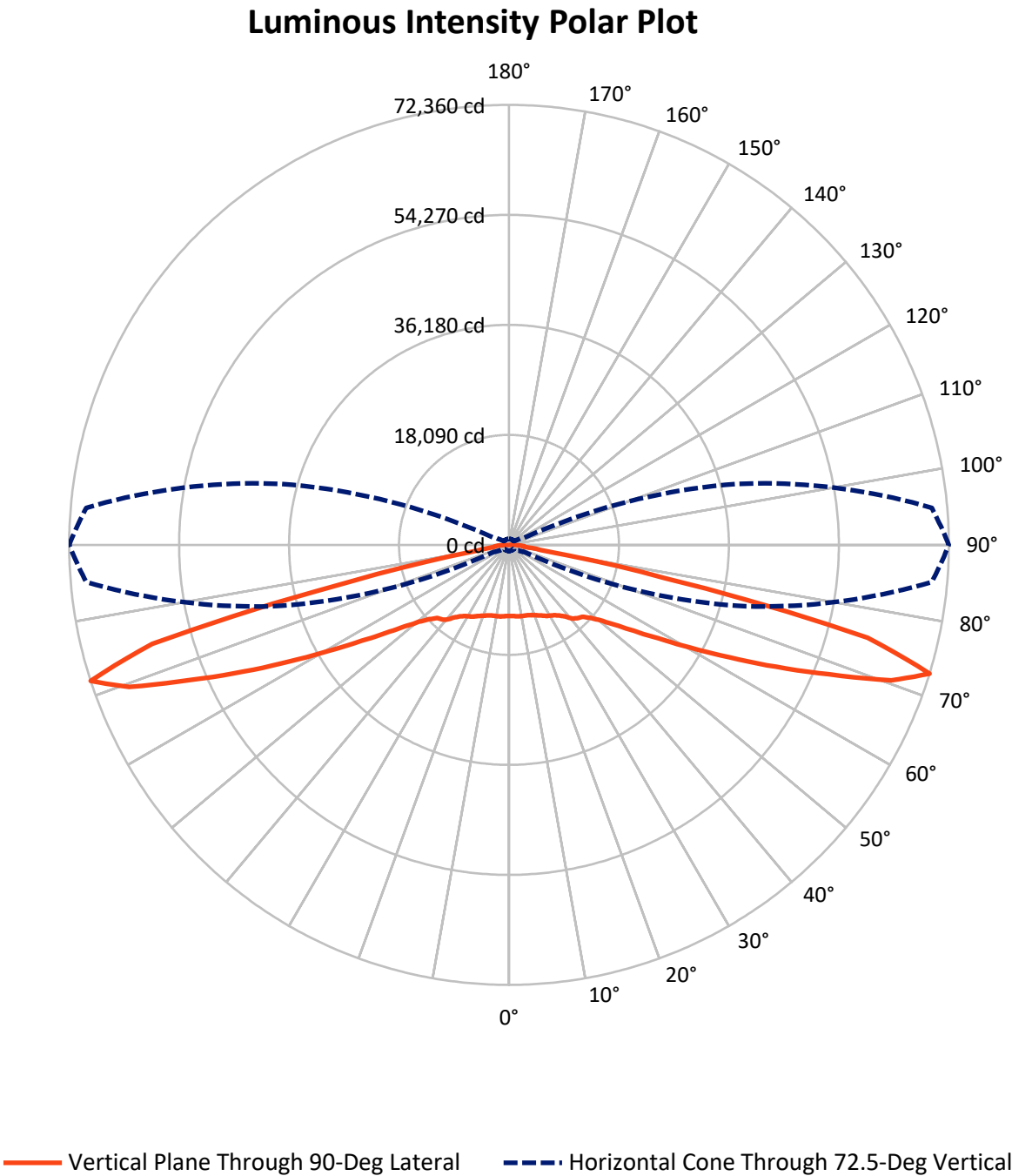
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31295.5	0.0	31295.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31295.5	0.0	31295.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	62591.0	0.0	62591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1134.0	1.8
10°-20°	3467.5	5.5
20°-30°	5781.7	9.2
30°-40°	7951.6	12.7
40°-50°	9711.1	15.5
50°-60°	11231.9	17.9
60°-70°	13392.2	21.4
70°-80°	9346.9	14.9
80°-90°	574.1	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°	62591.0	100.0
0°-180°	62591.0	100.0

Coefficient of Utilization



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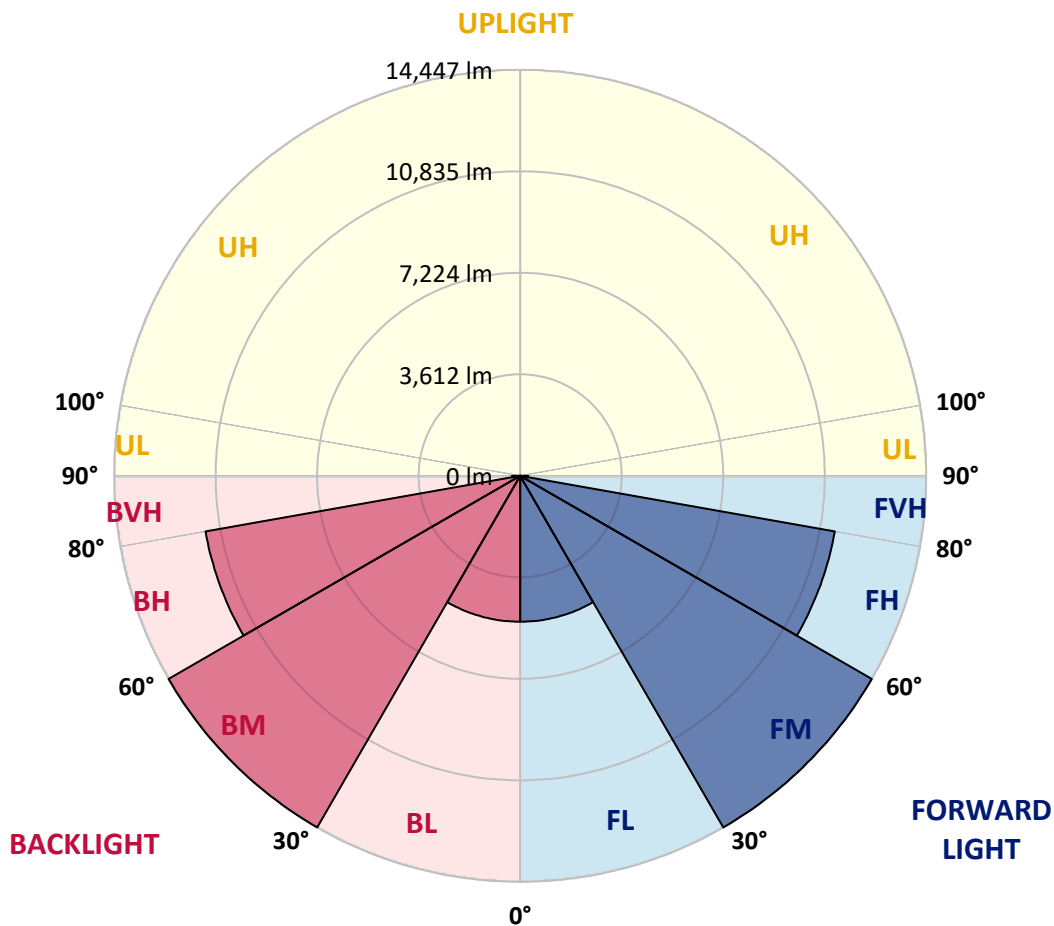
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5191.6	8.3			
FM	(30°-60°)	14447.3	23.1			
FH	(60°-80°)	11369.5	18.2			G4/12000
FVH	(80°-90°)	287.0	0.5			G3/500
BL	(0°-30°)	5191.6	8.3	B5		
BM	(30°-60°)	14447.3	23.1	B5		
BH	(60°-80°)	11369.5	18.2	B5		G5
BVH	(80°-90°)	287.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8	11695.8
2.5°	11705.8	11719.1	11719.1	11709.1	11732.4	11712.4	11712.4	11702.4	11712.4	11702.4	11702.4
5°	11765.6	11782.3	11788.9	11785.6	11815.5	11798.9	11798.9	11785.6	11788.9	11779.0	11779.0
7.5°	11878.7	11902.0	11915.3	11932.0	11975.2	11955.3	11941.9	11902.0	11885.4	11858.8	11858.8
10°	11915.3	11941.9	11985.2	12071.7	12171.5	12174.8	12134.9	12035.1	11958.6	11898.7	11888.7
12.5°	11802.2	11838.8	11928.6	12104.9	12327.8	12417.6	12354.4	12188.1	12038.4	11932.0	11915.3
15°	11659.2	11699.1	11835.5	12101.6	12430.9	12640.5	12633.8	12414.3	12174.8	12008.5	11981.9
17.5°	11436.3	11476.2	11672.5	12045.1	12510.8	12856.7	12949.9	12723.7	12387.7	12164.8	12128.2
20°	11033.8	11070.4	11343.2	11865.4	12537.4	13086.2	13329.1	13129.5	12710.4	12407.6	12351.1
22.5°	10511.6	10568.1	10887.5	11556.1	12474.2	13325.7	13761.5	13625.1	13086.2	12667.1	12590.6
25°	9952.7	10012.6	10385.2	11176.9	12311.2	13498.7	14273.8	14187.3	13512.0	12989.8	12883.3
27.5°	9470.4	9533.6	9939.4	10801.0	12058.4	13565.3	14779.4	14822.6	14027.6	13345.7	13232.6
30°	9091.2	9151.1	9583.5	10498.3	11732.4	13498.7	15221.8	15521.2	14553.2	13655.1	13492.1
32.5°	8675.4	8751.9	9207.6	10129.0	11346.5	13339.1	15607.7	16276.3	15161.9	13987.7	13781.5
35°	8149.8	8219.7	8698.7	9623.4	10840.9	13082.9	15930.4	17114.6	16033.5	14493.3	14263.8
37.5°	7511.1	7577.6	8053.3	8991.4	10338.6	12723.7	16176.5	18059.3	17071.3	15221.8	14915.8
40°	6869.1	6932.3	7378.1	8286.2	9736.5	12264.6	16263.0	18984.0	18262.2	16223.1	15897.1
42.5°	6280.3	6336.9	6746.0	7591.0	9061.2	11679.2	16149.9	19789.0	19330.0	16921.6	16502.5
45°	5738.1	5788.0	6150.6	6939.0	8359.4	10967.3	15810.6	20653.9	20600.7	17420.6	16855.1
47.5°	5119.4	5169.3	5545.2	6306.9	7657.5	10132.4	15235.1	21505.5	22367.0	18551.6	17899.6
50°	4364.3	4407.5	4793.4	5578.5	6929.0	9244.2	14436.8	22174.1	24595.8	20264.7	19446.4
52.5°	3469.5	3516.1	3891.9	4677.0	6064.1	8289.5	13385.6	22609.9	27170.4	22766.2	21758.3
55°	2581.3	2614.6	2940.6	3645.8	4993.0	7201.8	12068.4	22732.9	30091.0	26185.8	24925.1
57.5°	1872.8	1892.7	2102.3	2627.9	3785.5	5841.2	10468.3	22413.6	33567.2	30570.1	28983.3
60°	1516.9	1523.5	1586.7	1819.6	2631.2	4304.4	8535.7	21315.9	37339.4	36221.7	34222.5
62.5°	1377.1	1377.1	1393.8	1457.0	1779.6	2840.8	6197.2	19040.6	41384.3	43363.6	40685.8
65°	1280.7	1280.7	1287.3	1317.3	1403.8	1809.6	3911.9	15334.9	44793.9	51729.6	48343.3
67.5°	1194.2	1197.5	1194.2	1204.2	1254.1	1337.2	2268.6	10591.4	46630.1	60398.3	56742.5
70°	1104.4	1111.0	1094.4	1094.4	1134.3	1137.6	1420.4	5808.0	45106.6	67663.3	66701.9
72.5°	997.9	1007.9	981.3	974.6	1004.6	991.3	1067.8	2787.6	38726.5	69832.1	72360.2
75°	904.8	918.1	858.2	841.6	841.6	831.6	868.2	1430.4	25134.6	56965.4	60930.5
77.5°	821.6	848.2	751.8	698.6	685.2	655.3	708.5	874.9	10993.9	26744.6	26189.1
80°	678.6	715.2	618.7	555.5	532.2	499.0	558.8	612.1	3269.9	6210.5	5947.7
82.5°	505.6	522.3	439.1	395.8	375.9	352.6	419.1	425.8	1064.5	2198.8	2484.9
85°	322.7	329.3	269.4	232.9	222.9	212.9	266.1	232.9	405.8	1616.7	2348.5
87.5°	113.1	129.7	103.1	93.1	99.8	83.2	123.1	69.9	113.1	1141.0	1413.7
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)