

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: P939173

Luminaire Tested: **GALN-SB1C-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939173
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-SB1C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4511 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

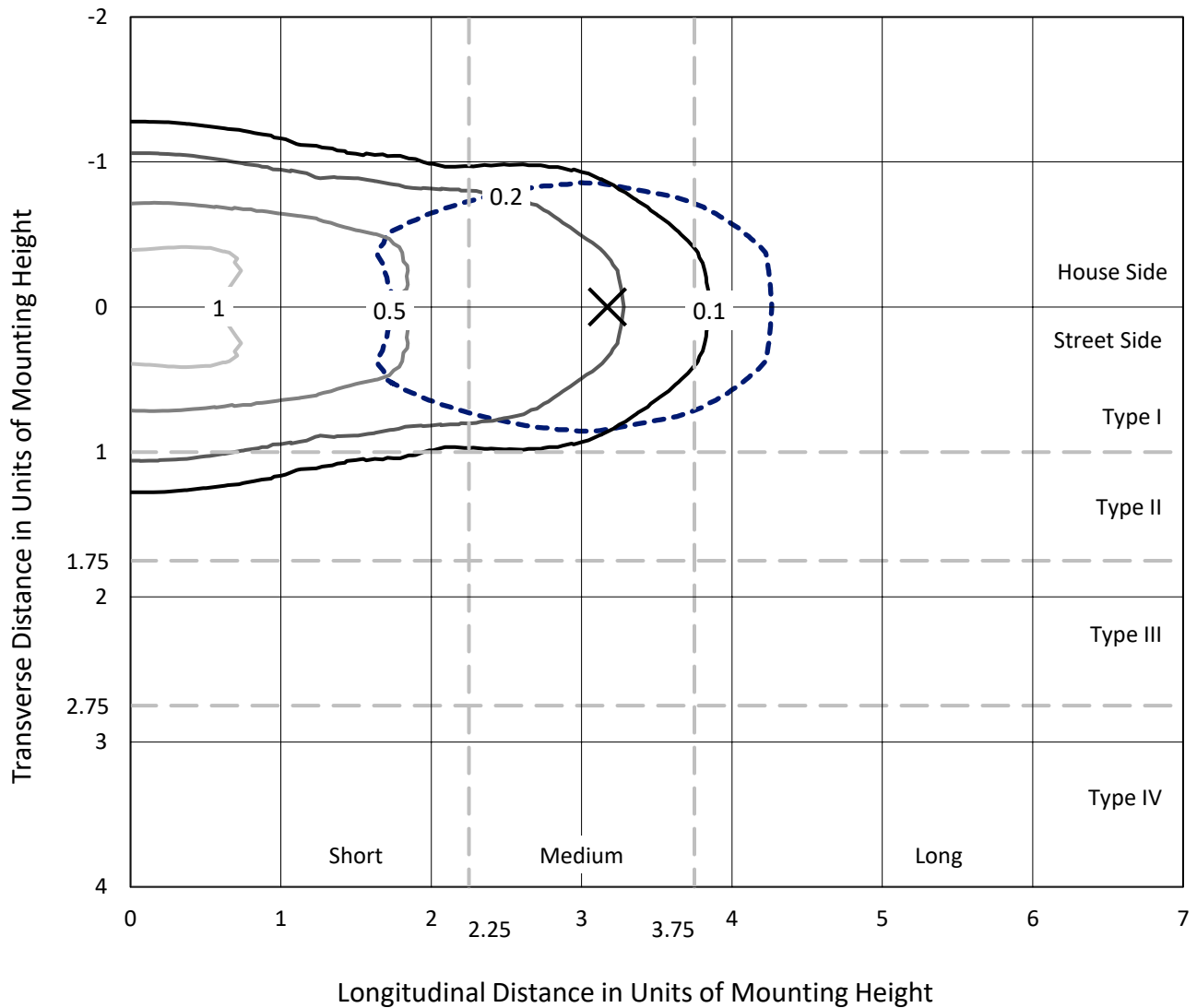
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

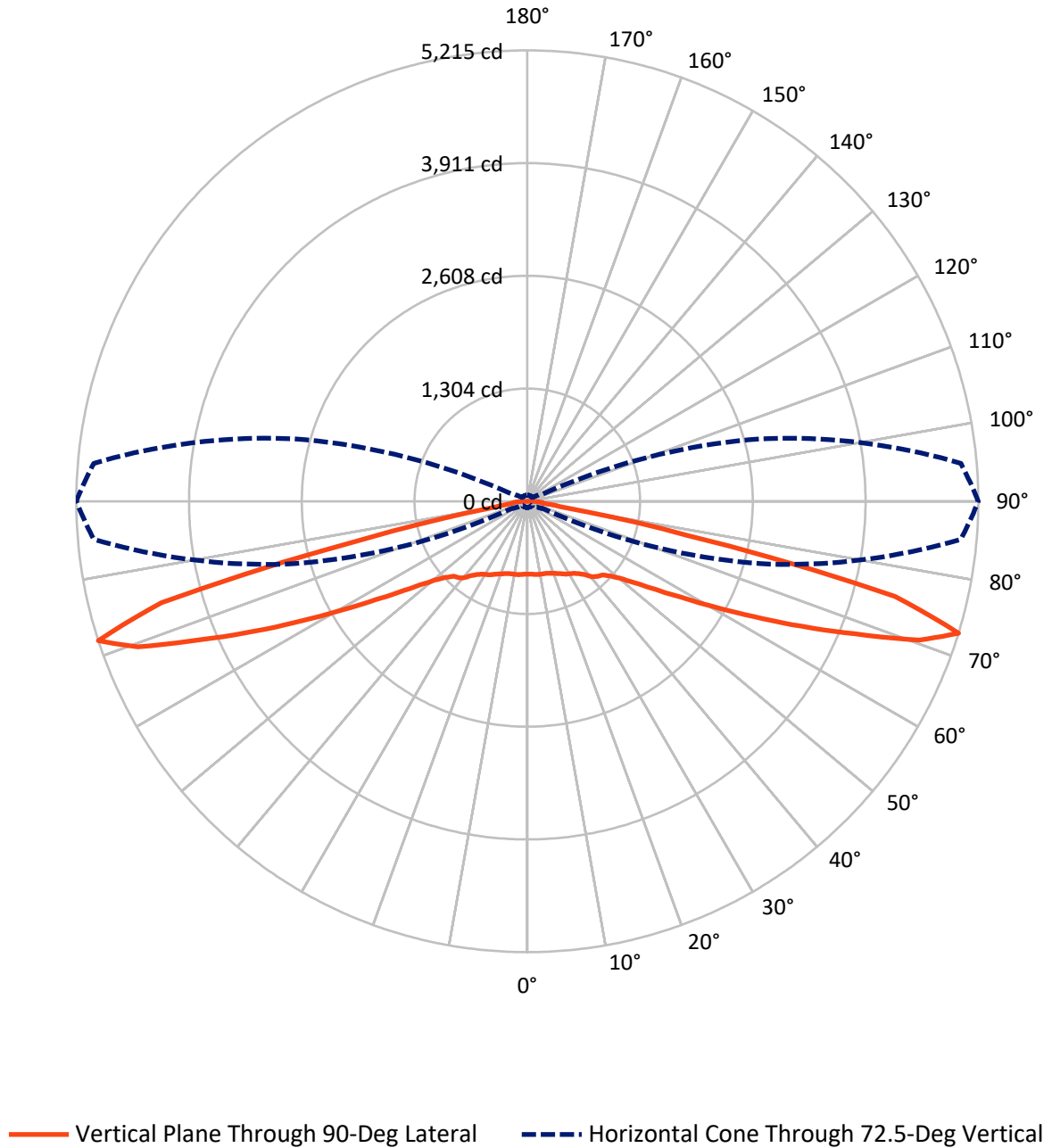
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2255.5	0.0	2255.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2255.5	0.0	2255.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4511.0	0.0	4511.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.8
10°-20°	249.9	5.5
20°-30°	416.7	9.2
30°-40°	573.1	12.7
40°-50°	699.9	15.5
50°-60°	809.5	17.9
60°-70°	965.2	21.4
70°-80°	673.6	14.9
80°-90°	41.4	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°	4511.0	100.0
0°-180°	4511.0	100.0

Coefficient of Utilization



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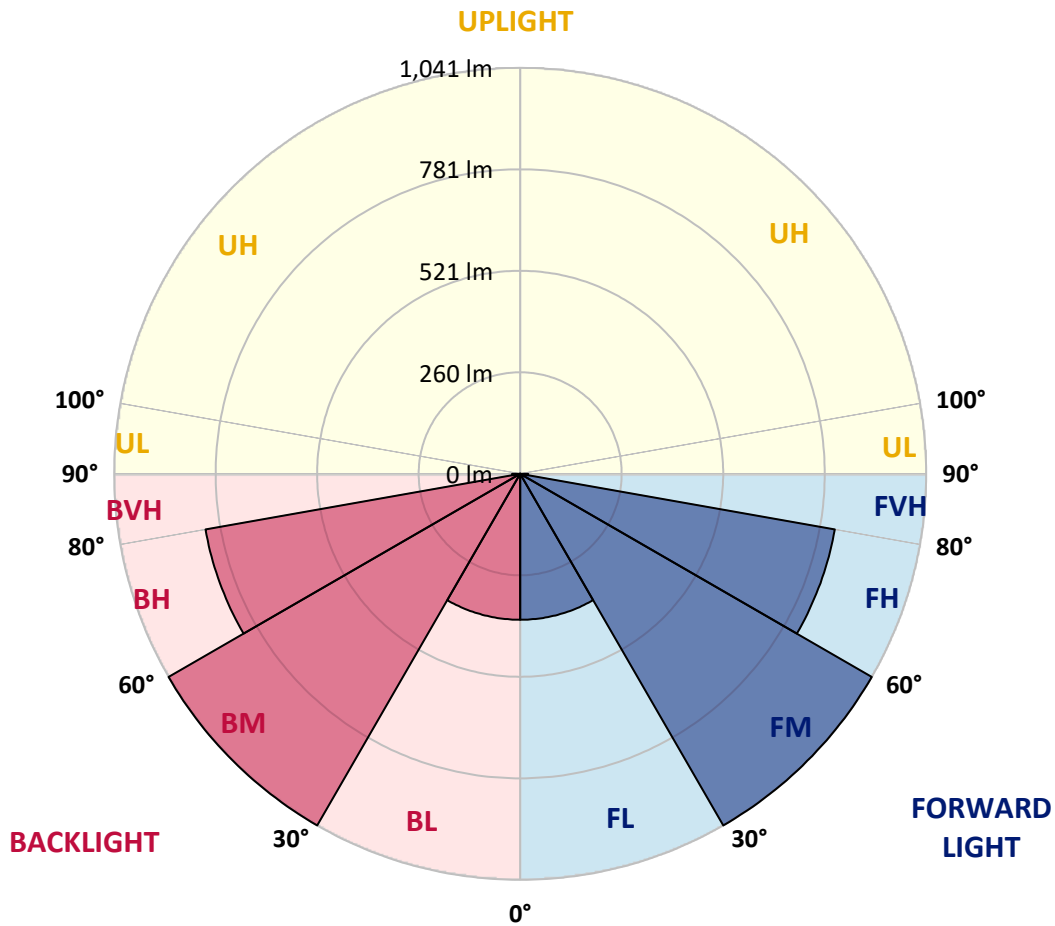
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.2	8.3			
FM (30°-60°)	1041.2	23.1			
FH (60°-80°)	819.4	18.2			G1/1800
FVH (80°-90°)	20.7	0.5			G1/100
BL (0°-30°)	374.2	8.3	B1/500		
BM (30°-60°)	1041.2	23.1	B2/2500		
BH (60°-80°)	819.4	18.2	B2/1000		G2/1000
BVH (80°-90°)	20.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
2.5°	843.6	844.6	844.6	843.9	845.6	844.1	844.1	843.4	844.1	843.4
5°	848.0	849.2	849.6	849.4	851.6	850.4	850.4	849.4	849.6	848.9
7.5°	856.1	857.8	858.8	859.9	863.1	861.6	860.7	857.8	856.6	854.7
10°	858.8	860.7	863.8	870.0	877.2	877.5	874.6	867.4	861.9	857.6
12.5°	850.6	853.2	859.7	872.4	888.5	895.0	890.4	878.4	867.6	859.9
15°	840.3	843.2	853.0	872.2	895.9	911.0	910.5	894.7	877.5	865.5
17.5°	824.2	827.1	841.2	868.1	901.7	926.6	933.3	917.0	892.8	876.7
20°	795.2	797.9	817.5	855.2	903.6	943.1	960.6	946.3	916.0	894.2
22.5°	757.6	761.7	784.7	832.9	899.0	960.4	991.8	982.0	943.1	912.9
25°	717.3	721.6	748.5	805.5	887.3	972.9	1028.7	1022.5	973.8	936.2
27.5°	682.5	687.1	716.3	778.4	869.1	977.7	1065.2	1068.3	1011.0	961.8
30°	655.2	659.5	690.7	756.6	845.6	972.9	1097.1	1118.6	1048.9	984.1
32.5°	625.2	630.8	663.6	730.0	817.8	961.4	1124.9	1173.1	1092.7	1008.1
35°	587.4	592.4	626.9	693.6	781.3	942.9	1148.1	1233.5	1155.5	1044.5
37.5°	541.3	546.1	580.4	648.0	745.1	917.0	1165.9	1301.6	1230.3	1097.1
40°	495.1	499.6	531.7	597.2	701.7	883.9	1172.1	1368.2	1316.2	1169.2
42.5°	452.6	456.7	486.2	547.1	653.1	841.7	1163.9	1426.2	1393.1	1219.6
45°	413.6	417.1	443.3	500.1	602.5	790.4	1139.5	1488.5	1484.7	1255.5
47.5°	369.0	372.6	399.6	454.5	551.9	730.2	1098.0	1549.9	1612.0	1337.0
50°	314.5	317.7	345.5	402.0	499.4	666.2	1040.5	1598.1	1772.6	1460.5
52.5°	250.0	253.4	280.5	337.1	437.0	597.4	964.7	1629.5	1958.2	1640.8
55°	186.0	188.4	211.9	262.8	359.9	519.0	869.8	1638.4	2168.7	1887.2
57.5°	135.0	136.4	151.5	189.4	272.8	421.0	754.5	1615.4	2419.2	2203.2
60°	109.3	109.8	114.4	131.1	189.6	310.2	615.2	1536.3	2691.1	2610.5
62.5°	99.3	99.3	100.5	105.0	128.3	204.7	446.6	1372.3	2982.6	3125.3
65°	92.3	92.3	92.8	94.9	101.2	130.4	281.9	1105.2	3228.3	3728.2
67.5°	86.1	86.3	86.1	86.8	90.4	96.4	163.5	763.3	3360.7	4353.0
70°	79.6	80.1	78.9	78.9	81.8	82.0	102.4	418.6	3250.9	4876.6
72.5°	71.9	72.6	70.7	70.2	72.4	71.4	77.0	200.9	2791.1	5032.9
75°	65.2	66.2	61.9	60.7	60.7	59.9	62.6	103.1	1811.5	4105.6
77.5°	59.2	61.1	54.2	50.3	49.4	47.2	51.1	63.1	792.3	1927.5
80°	48.9	51.5	44.6	40.0	38.4	36.0	40.3	44.1	235.7	447.6
82.5°	36.4	37.6	31.6	28.5	27.1	25.4	30.2	30.7	76.7	158.5
85°	23.3	23.7	19.4	16.8	16.1	15.3	19.2	16.8	29.2	116.5
87.5°	8.2	9.3	7.4	6.7	7.2	6.0	8.9	5.0	8.2	82.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

842.9
843.4
848.9
854.7
856.8
858.8
863.5
874.1
890.2
907.4
928.5
953.7
972.4
993.2
1028.0
1075.0
1145.7
1189.4
1214.8
1290.0
1401.5
1568.1
1796.4
2088.9
2466.5
2932.3
3484.2
4089.5
4807.3
5215.1
4391.3
1887.5
428.7
179.1
169.3
101.9
0.0

OF REPORT)