

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: P941773

Luminaire Tested: **GALN-SB5C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941773
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-SB5C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30916 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

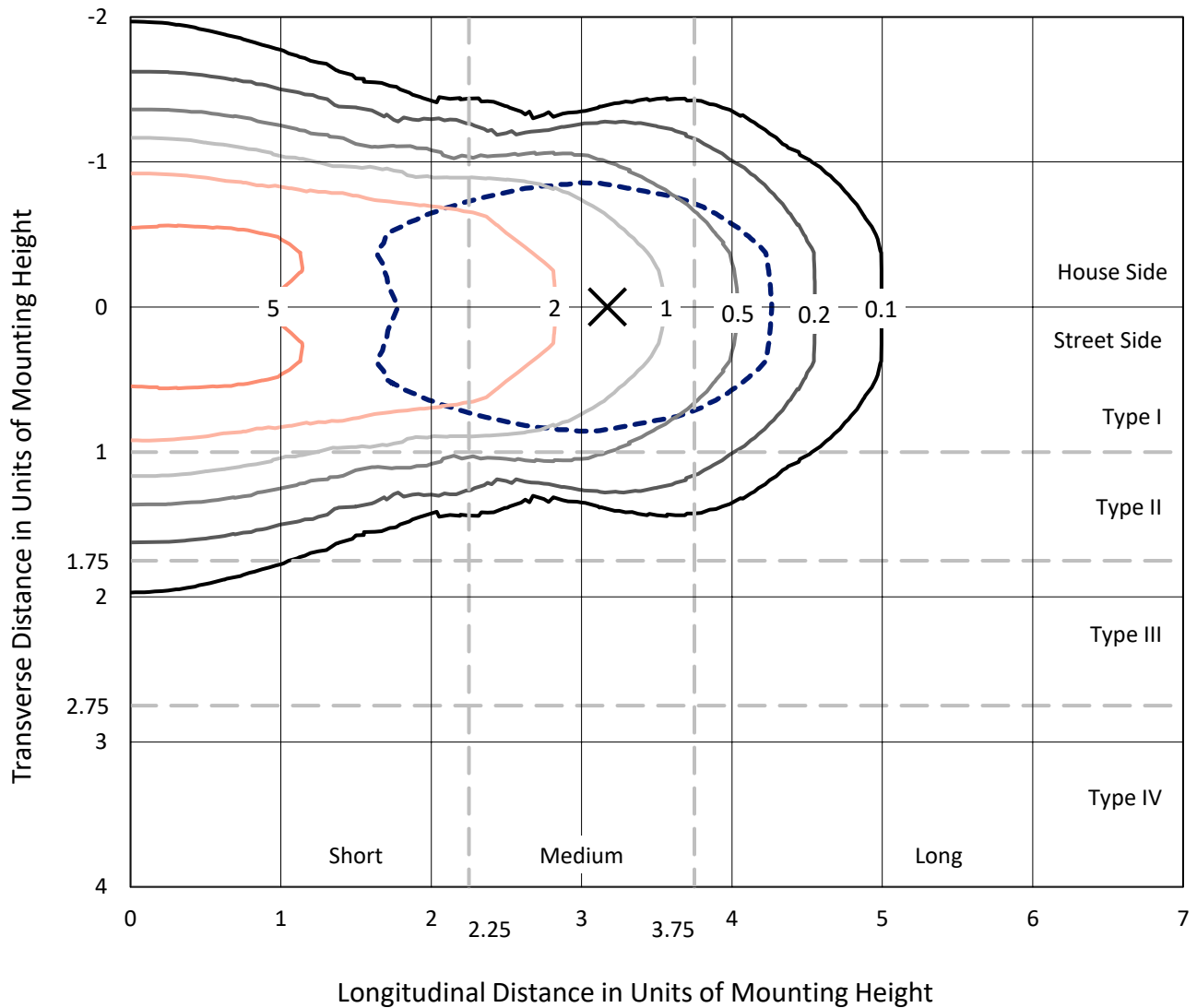
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

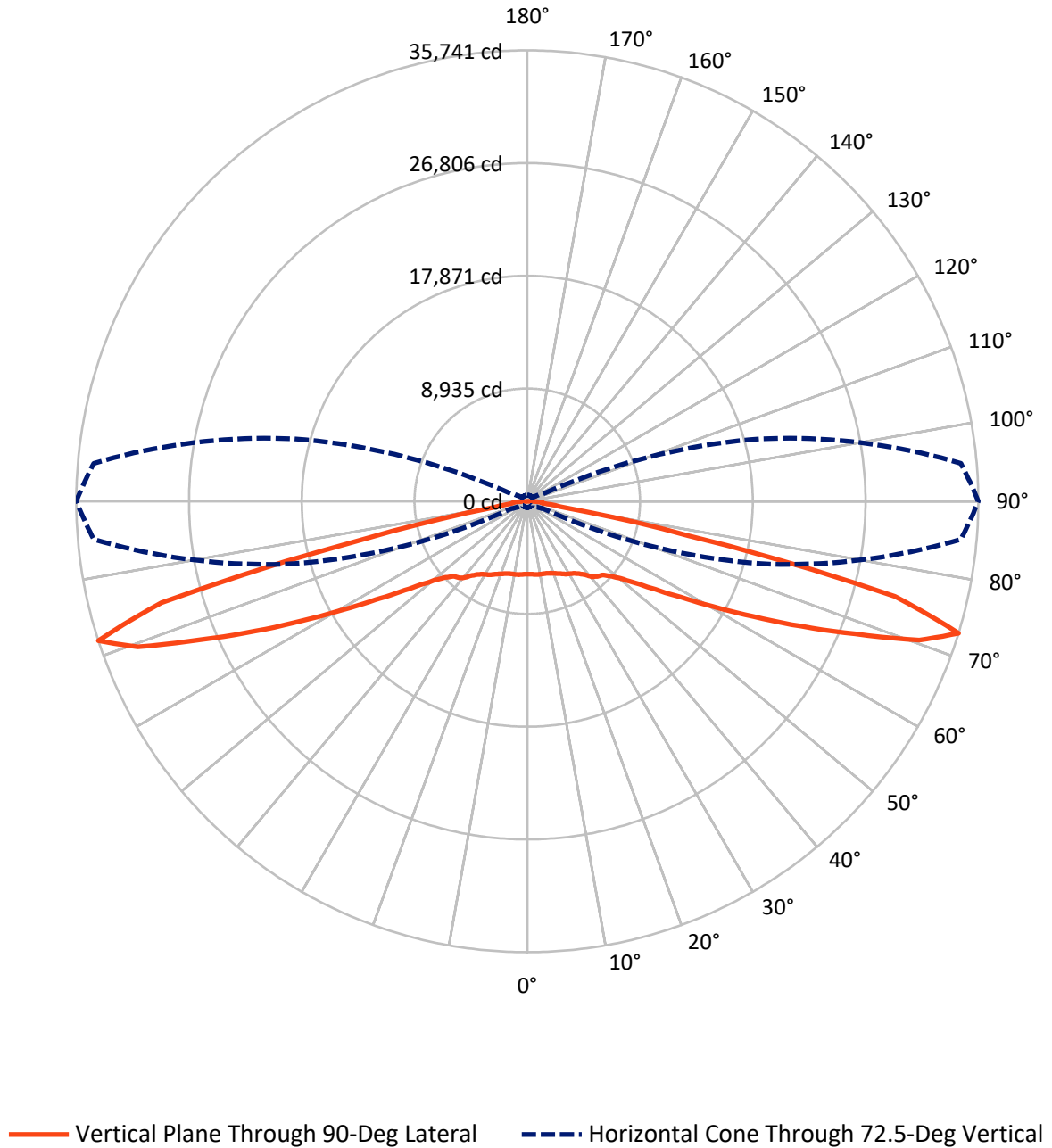
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	15458.0	0.0	15458.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15458.0	0.0	15458.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30916.0	0.0	30916.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.1	1.8
10°-20°	1712.7	5.5
20°-30°	2855.8	9.2
30°-40°	3927.6	12.7
40°-50°	4796.7	15.5
50°-60°	5547.9	17.9
60°-70°	6614.9	21.4
70°-80°	4616.8	14.9
80°-90°	283.6	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°	30916.0	100.0
0°-180°	30916.0	100.0



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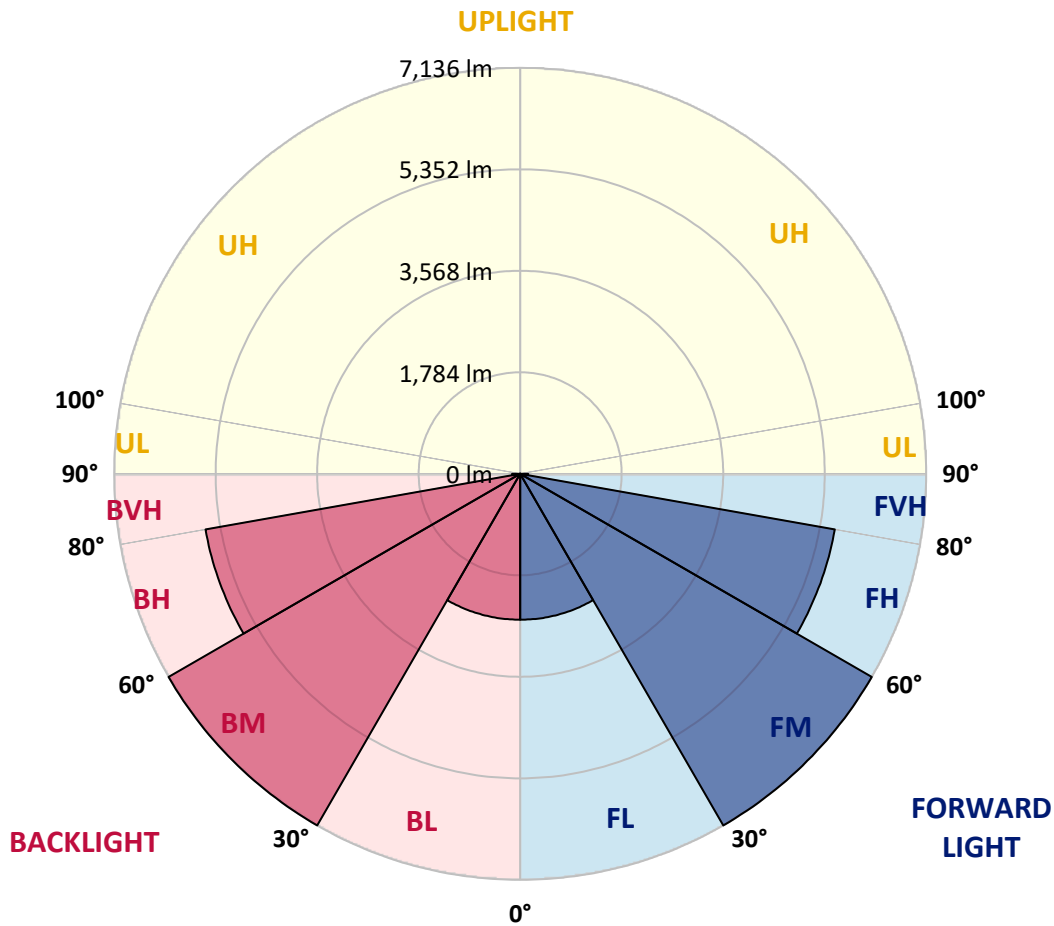
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2564.3	8.3			
FM (30°-60°)	7136.1	23.1			
FH (60°-80°)	5615.8	18.2			G3/7500
FVH (80°-90°)	141.8	0.5			G2/225
BL (0°-30°)	2564.3	8.3	B4/5000		
BM (30°-60°)	7136.1	23.1	B4/8500		
BH (60°-80°)	5615.8	18.2	B5		G5
BVH (80°-90°)	141.8	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0	5777.0
2.5°	5781.9	5788.5	5788.5	5783.6	5795.1	5785.2	5785.2	5780.3	5785.2	5780.3	5780.3
5°	5811.5	5819.7	5823.0	5821.3	5836.1	5827.9	5827.9	5821.3	5823.0	5818.1	5818.1
7.5°	5867.3	5878.9	5885.4	5893.6	5915.0	5905.1	5898.6	5878.9	5870.6	5857.5	5857.5
10°	5885.4	5898.6	5919.9	5962.6	6011.9	6013.6	5993.9	5944.6	5906.8	5877.2	5872.3
12.5°	5829.6	5847.6	5892.0	5979.1	6089.2	6133.5	6102.3	6020.2	5946.2	5893.6	5885.4
15°	5758.9	5778.6	5846.0	5977.4	6140.1	6243.6	6240.3	6131.9	6013.6	5931.4	5918.3
17.5°	5648.8	5668.5	5765.5	5949.5	6179.5	6350.4	6396.4	6284.7	6118.7	6008.7	5990.6
20°	5450.0	5468.1	5602.8	5860.8	6192.7	6463.8	6583.7	6485.1	6278.1	6128.6	6100.7
22.5°	5192.1	5220.0	5377.7	5708.0	6161.5	6582.1	6797.3	6730.0	6463.8	6256.8	6219.0
25°	4916.0	4945.6	5129.6	5520.7	6080.9	6667.5	7050.3	7007.6	6674.1	6416.1	6363.6
27.5°	4677.8	4709.0	4909.4	5335.0	5956.1	6700.4	7300.1	7321.5	6928.8	6591.9	6536.1
30°	4490.5	4520.0	4733.6	5185.5	5795.1	6667.5	7518.6	7666.5	7188.4	6744.7	6664.2
32.5°	4285.1	4322.9	4548.0	5003.1	5604.5	6588.7	7709.2	8039.5	7489.0	6909.0	6807.2
35°	4025.5	4060.0	4296.6	4753.4	5354.7	6462.1	7868.6	8453.5	7919.5	7158.8	7045.4
37.5°	3710.0	3742.9	3977.8	4441.2	5106.6	6284.7	7990.2	8920.1	8432.2	7518.6	7367.5
40°	3392.9	3424.1	3644.3	4092.8	4809.2	6057.9	8032.9	9376.9	9020.4	8013.2	7852.2
42.5°	3102.1	3130.0	3332.1	3749.5	4475.7	5768.8	7977.0	9774.5	9547.8	8358.2	8151.2
45°	2834.3	2858.9	3038.0	3427.4	4129.0	5417.2	7809.4	10201.7	10175.4	8604.7	8325.4
47.5°	2528.7	2553.3	2739.0	3115.2	3782.3	5004.7	7525.2	10622.3	11047.9	9163.3	8841.3
50°	2155.7	2177.0	2367.6	2755.4	3422.5	4566.0	7130.9	10952.6	12148.7	10009.5	9605.3
52.5°	1713.7	1736.7	1922.4	2310.1	2995.3	4094.5	6611.7	11167.8	13420.5	11245.1	10747.2
55°	1275.0	1291.4	1452.5	1800.8	2466.2	3557.2	5961.0	11228.6	14863.1	12934.1	12311.4
57.5°	925.0	934.9	1038.4	1298.0	1869.8	2885.2	5170.7	11070.9	16580.1	15099.7	14315.9
60°	749.2	752.5	783.7	898.8	1299.7	2126.1	4216.1	10528.7	18443.3	17891.2	16903.7
62.5°	680.2	680.2	688.4	719.7	879.0	1403.2	3061.0	9404.8	20441.2	21418.9	20096.2
65°	632.6	632.6	635.9	650.6	693.4	893.8	1932.2	7574.5	22125.4	25551.1	23878.5
67.5°	589.9	591.5	589.9	594.8	619.4	660.5	1120.6	5231.5	23032.3	29832.9	28027.2
70°	545.5	548.8	540.6	540.6	560.3	561.9	701.6	2868.8	22279.8	33421.4	32946.5
72.5°	492.9	497.8	484.7	481.4	496.2	489.6	527.4	1376.9	19128.4	34492.7	35741.4
75°	446.9	453.5	423.9	415.7	415.7	410.8	428.8	706.5	12414.9	28137.3	30095.8
77.5°	405.8	419.0	371.3	345.0	338.5	323.7	350.0	432.1	5430.3	13210.2	12935.8
80°	335.2	353.3	305.6	274.4	262.9	246.5	276.0	302.3	1615.1	3067.6	2937.8
82.5°	249.7	258.0	216.9	195.5	185.7	174.2	207.0	210.3	525.8	1086.1	1227.4
85°	159.4	162.7	133.1	115.0	110.1	105.2	131.4	115.0	200.5	798.5	1160.0
87.5°	55.9	64.1	50.9	46.0	49.3	41.1	60.8	34.5	55.9	563.6	698.3
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)