

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: P942793

Luminaire Tested: **GALN-SB7A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942793
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-SB7A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26070 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

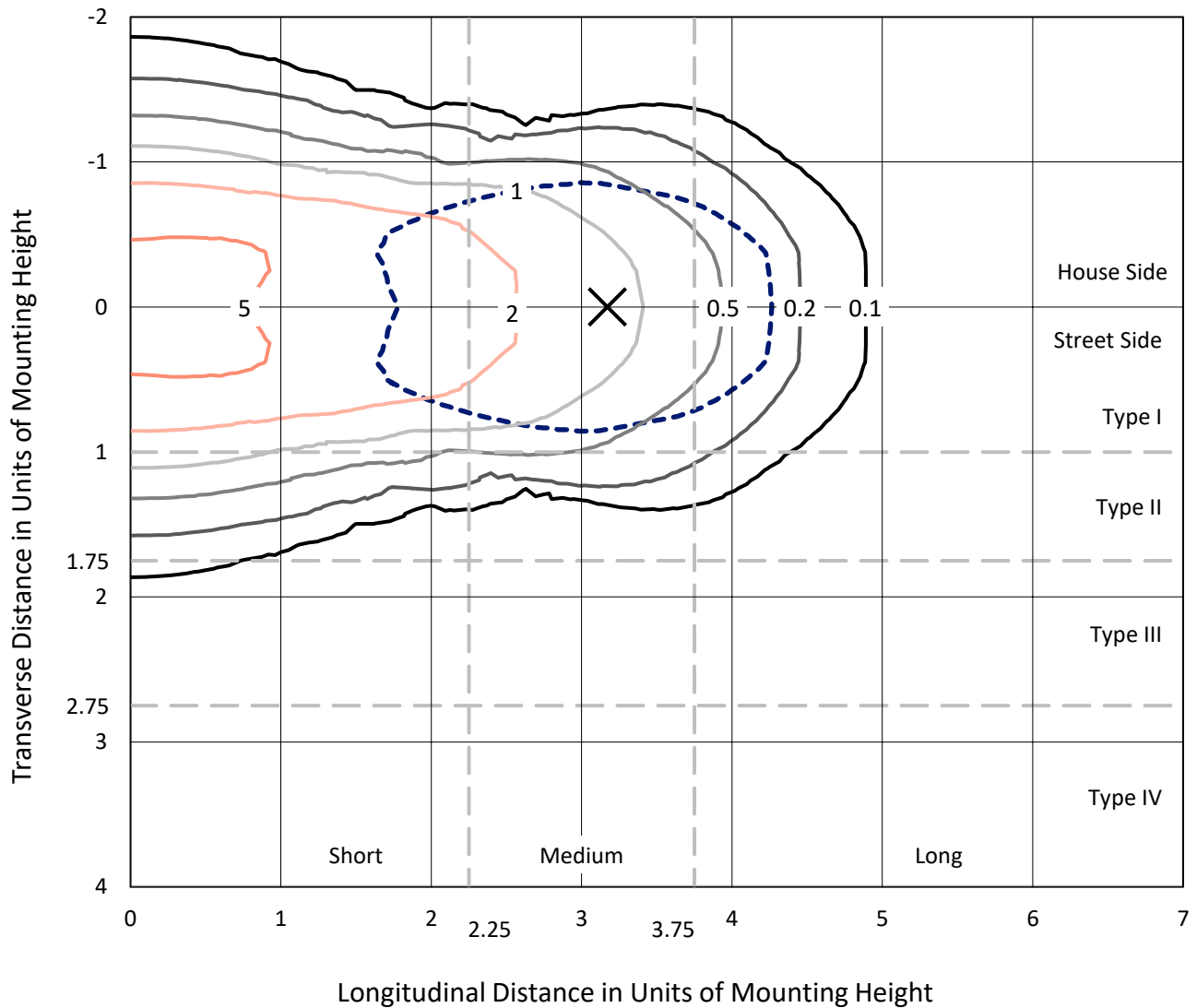
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

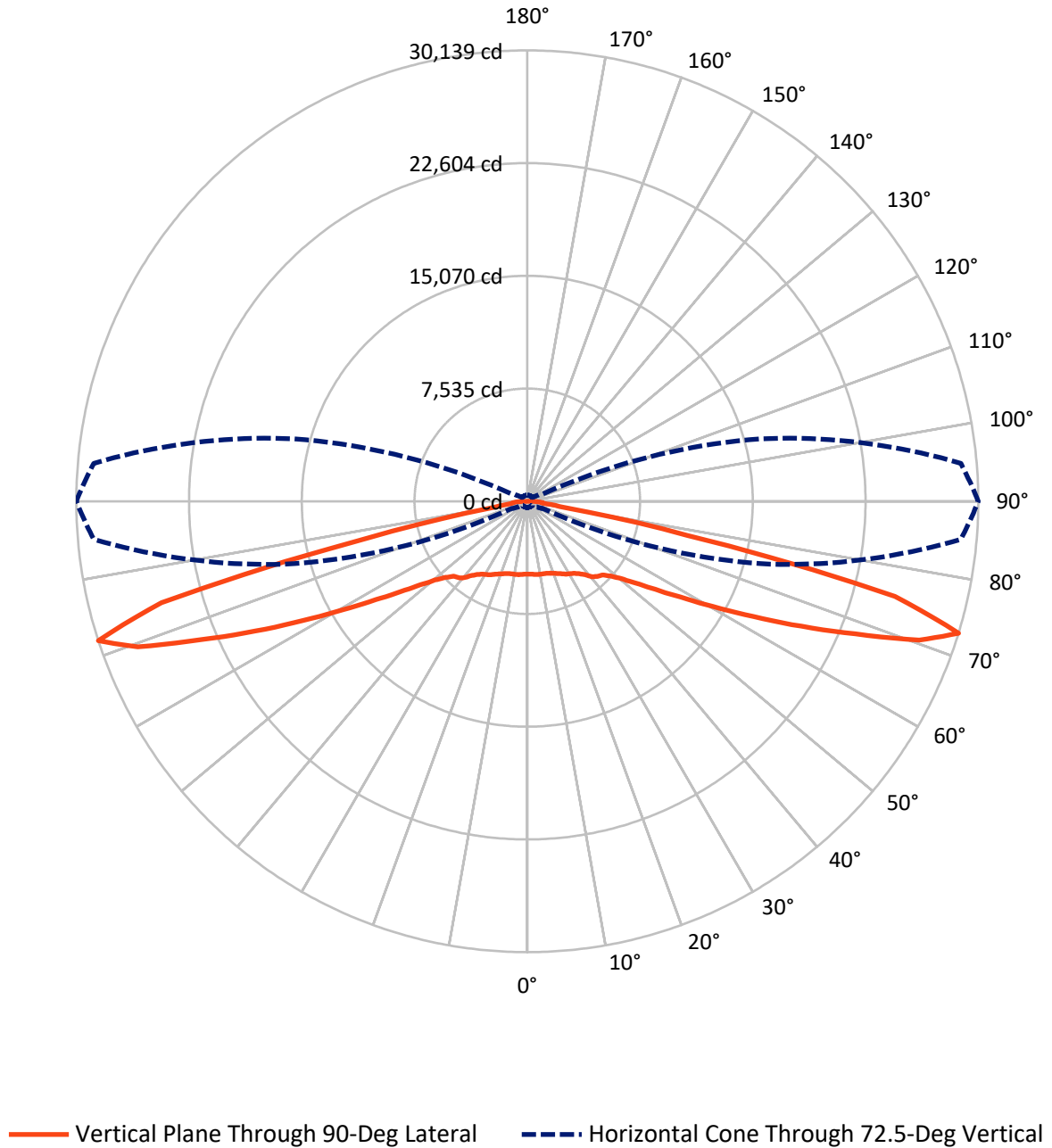
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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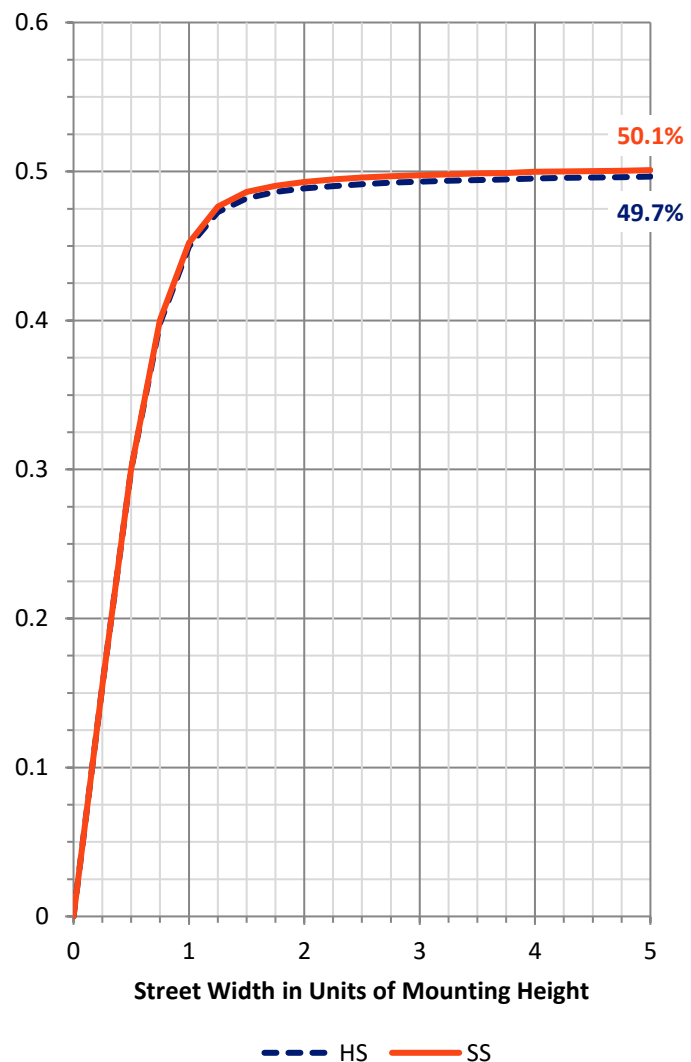
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13035.0	0.0	13035.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13035.0	0.0	13035.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26070.0	0.0	26070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.3	1.8
10°-20°	1444.2	5.5
20°-30°	2408.2	9.2
30°-40°	3312.0	12.7
40°-50°	4044.8	15.5
50°-60°	4678.2	17.9
60°-70°	5578.0	21.4
70°-80°	3893.1	14.9
80°-90°	239.1	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°	26070.0	100.0
0°-180°	26070.0	100.0

Coefficient of Utilization



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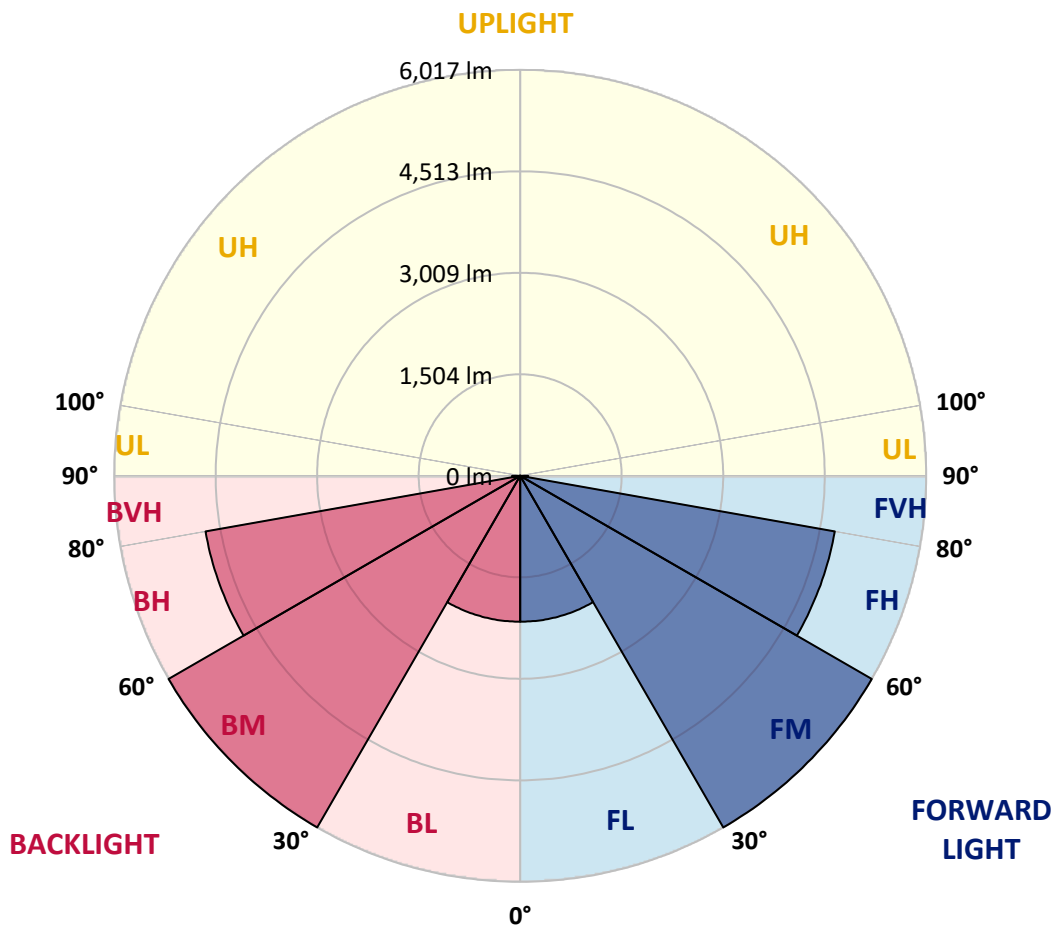
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2162.4	8.3			
FM (30°-60°)	6017.5	23.1			
FH (60°-80°)	4735.6	18.2			G2/5000
FVH (80°-90°)	119.6	0.5			G2/225
BL (0°-30°)	2162.4	8.3	B3/2500		
BM (30°-60°)	6017.5	23.1	B4/8500		
BH (60°-80°)	4735.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	119.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5	4871.5
2.5°	4875.6	4881.2	4881.2	4877.0	4886.7	4878.4	4878.4	4874.2	4878.4	4874.2	4874.2
5°	4900.6	4907.5	4910.2	4908.9	4921.3	4914.4	4914.4	4908.9	4910.2	4906.1	4906.1
7.5°	4947.7	4957.4	4962.9	4969.8	4987.8	4979.5	4974.0	4957.4	4950.4	4939.3	4939.3
10°	4962.9	4974.0	4992.0	5028.0	5069.6	5071.0	5054.3	5012.8	4980.9	4956.0	4951.8
12.5°	4915.8	4931.0	4968.4	5041.9	5134.7	5172.1	5145.8	5076.5	5014.2	4969.8	4962.9
15°	4856.2	4872.8	4929.6	5040.5	5177.7	5264.9	5262.2	5170.7	5071.0	5001.7	4990.6
17.5°	4763.4	4780.0	4861.8	5016.9	5210.9	5355.0	5393.8	5299.6	5159.6	5066.8	5051.6
20°	4595.7	4611.0	4724.6	4942.1	5222.0	5450.6	5551.7	5468.6	5294.0	5168.0	5144.4
22.5°	4378.2	4401.8	4534.8	4813.3	5195.7	5550.4	5731.9	5675.1	5450.6	5276.0	5244.2
25°	4145.4	4170.4	4325.6	4655.3	5127.8	5622.4	5945.2	5909.2	5627.9	5410.4	5366.1
27.5°	3944.5	3970.9	4139.9	4498.8	5022.5	5650.1	6155.8	6173.8	5842.7	5558.7	5511.6
30°	3786.6	3811.5	3991.7	4372.7	4886.7	5622.4	6340.1	6464.8	6061.6	5687.5	5619.6
32.5°	3613.4	3645.3	3835.1	4218.9	4726.0	5555.9	6500.8	6779.3	6315.2	5826.1	5740.2
35°	3394.5	3423.6	3623.1	4008.3	4515.4	5449.2	6635.2	7128.5	6678.2	6036.7	5941.1
37.5°	3128.5	3156.2	3354.3	3745.0	4306.2	5299.6	6737.7	7521.9	7110.4	6340.1	6212.6
40°	2861.1	2887.4	3073.1	3451.3	4055.4	5108.4	6773.8	7907.1	7606.5	6757.1	6621.4
42.5°	2615.8	2639.4	2809.8	3161.7	3774.1	4864.5	6726.7	8242.4	8051.2	7048.1	6873.5
45°	2390.0	2410.8	2561.8	2890.2	3481.8	4568.0	6585.3	8602.6	8580.5	7255.9	7020.4
47.5°	2132.3	2153.1	2309.6	2626.9	3189.4	4220.3	6345.6	8957.3	9316.2	7727.0	7455.4
50°	1817.8	1835.8	1996.5	2323.5	2886.0	3850.3	6013.1	9235.8	10244.5	8440.5	8099.7
52.5°	1445.1	1464.5	1621.0	1948.0	2525.8	3452.7	5575.3	9417.3	11316.8	9482.4	9062.6
55°	1075.2	1089.0	1224.8	1518.5	2079.7	2999.6	5026.6	9468.6	12533.3	10906.7	10381.6
57.5°	780.0	788.4	875.6	1094.6	1576.7	2433.0	4360.2	9335.6	13981.2	12732.8	12072.0
60°	631.8	634.6	660.9	757.9	1095.9	1792.9	3555.2	8878.4	15552.4	15086.8	14254.1
62.5°	573.6	573.6	580.5	606.9	741.2	1183.2	2581.2	7930.7	17237.1	18061.5	16946.2
65°	533.4	533.4	536.2	548.7	584.7	753.7	1629.4	6387.2	18657.3	21546.1	20135.6
67.5°	497.4	498.8	497.4	501.6	522.3	557.0	944.9	4411.5	19422.1	25156.7	23634.0
70°	460.0	462.8	455.8	455.8	472.5	473.8	591.6	2419.1	18787.5	28182.7	27782.3
72.5°	415.7	419.8	408.7	406.0	418.4	412.9	444.7	1161.1	16130.1	29086.0	30139.0
75°	376.9	382.4	357.5	350.5	350.5	346.4	361.6	595.8	10468.9	23726.9	25378.4
77.5°	342.2	353.3	313.1	291.0	285.4	272.9	295.1	364.4	4579.1	11139.5	10908.1
80°	282.6	297.9	257.7	231.4	221.7	207.8	232.8	254.9	1362.0	2586.7	2477.3
82.5°	210.6	217.5	182.9	164.9	156.6	146.9	174.6	177.3	443.4	915.8	1035.0
85°	134.4	137.2	112.2	97.0	92.8	88.7	110.8	97.0	169.0	673.4	978.2
87.5°	47.1	54.0	43.0	38.8	41.6	34.6	51.3	29.1	47.1	475.2	588.8
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)