

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: P940583

Luminaire Tested: **GALN-SB3D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940583
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-SB3D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24951 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 218.1
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

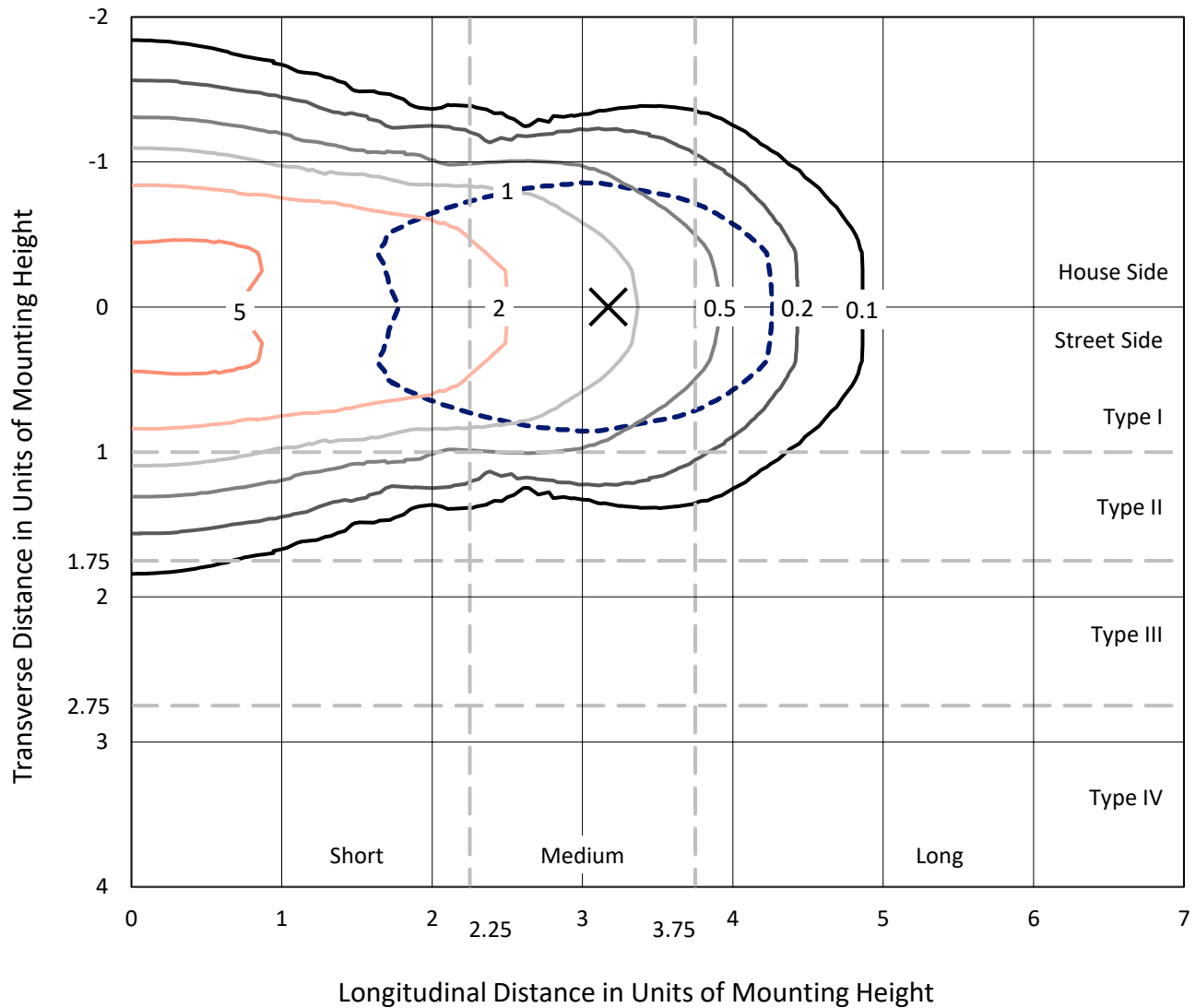


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Iso-Footcandle Lines of Horizontal Illumination

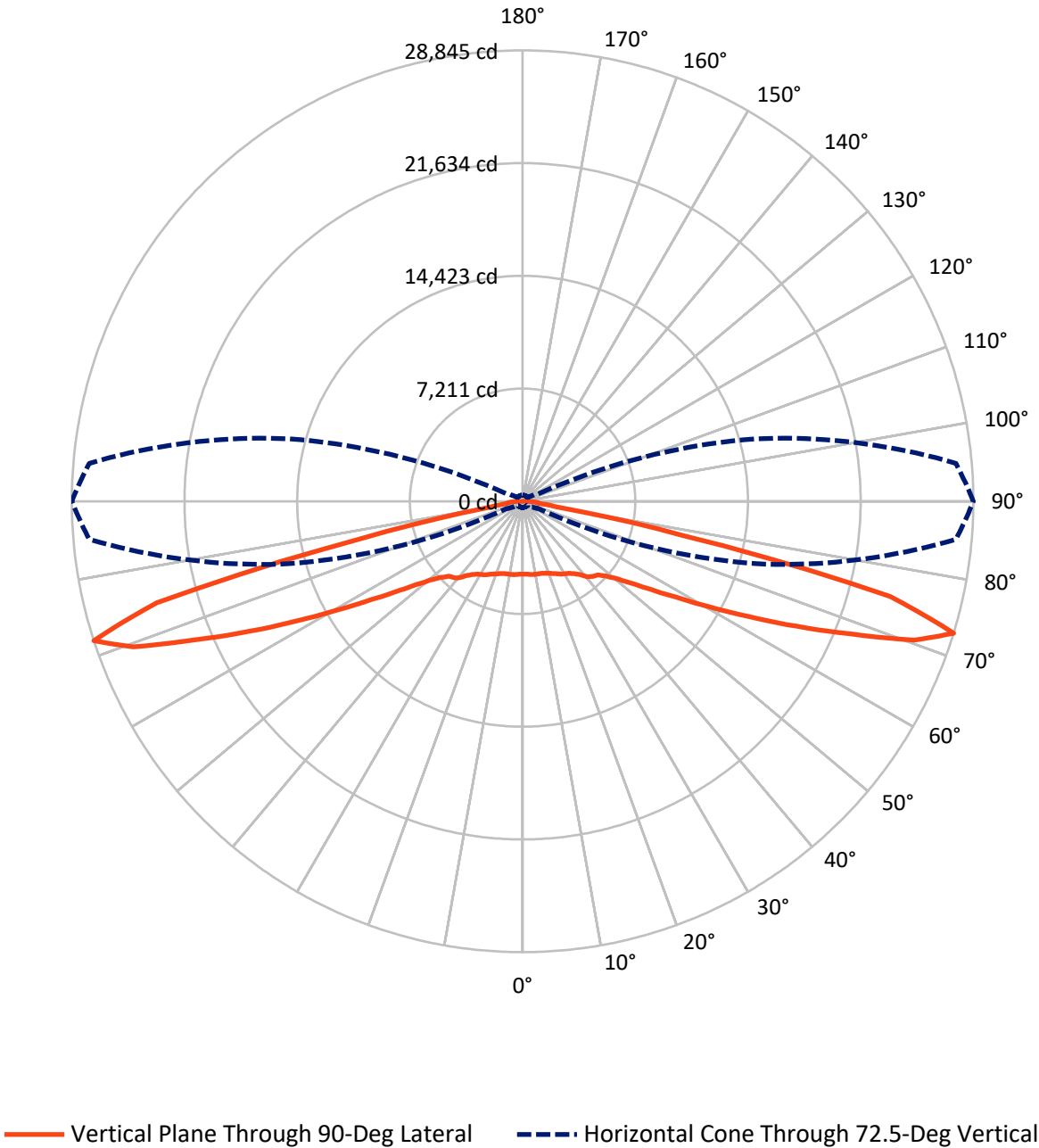
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	12475.5	0.0	12475.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12475.5	0.0	12475.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24951.0	0.0	24951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.1	1.8
10°-20°	1382.3	5.5
20°-30°	2304.8	9.2
30°-40°	3169.8	12.7
40°-50°	3871.2	15.5
50°-60°	4477.4	17.9
60°-70°	5338.6	21.4
70°-80°	3726.0	14.9
80°-90°	228.9	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°	24951.0	100.0
0°-180°	24951.0	100.0

Coefficient of Utilization



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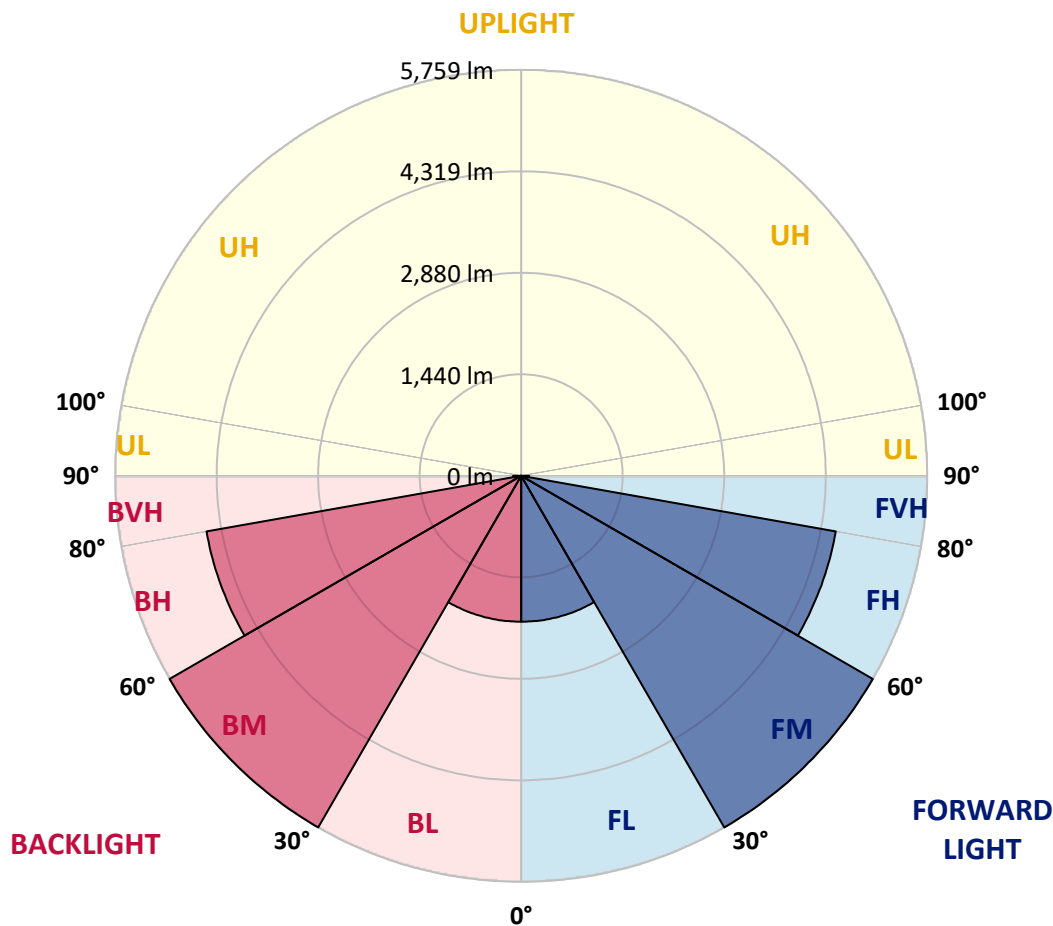
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2069.6	8.3			
FM	(30°-60°)	5759.2	23.1			
FH	(60°-80°)	4532.3	18.2			G2/5000
FVH	(80°-90°)	114.4	0.5			G2/225
BL	(0°-30°)	2069.6	8.3	B3/2500		
BM	(30°-60°)	5759.2	23.1	B4/8500		
BH	(60°-80°)	4532.3	18.2	B4/5000		G4/5000
BVH	(80°-90°)	114.4	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°	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4	4662.4
2.5°	4666.3	4671.6	4671.6	4667.7	4676.9	4669.0	4669.0	4665.0	4669.0	4665.0	4665.0
5°	4690.2	4696.8	4699.5	4698.2	4710.1	4703.5	4703.5	4698.2	4699.5	4695.5	4695.5
7.5°	4735.3	4744.6	4749.9	4756.5	4773.7	4765.8	4760.5	4744.6	4737.9	4727.3	4727.3
10°	4749.9	4760.5	4777.7	4812.2	4852.0	4853.3	4837.4	4797.6	4767.1	4743.2	4739.3
12.5°	4704.8	4719.4	4755.2	4825.5	4914.3	4950.1	4924.9	4858.6	4798.9	4756.5	4749.9
15°	4647.8	4663.7	4718.1	4824.1	4955.4	5039.0	5036.3	4948.8	4853.3	4787.0	4776.4
17.5°	4558.9	4574.8	4653.1	4801.6	4987.2	5125.1	5162.3	5072.1	4938.2	4849.3	4834.7
20°	4398.5	4413.1	4521.8	4730.0	4997.8	5216.6	5313.4	5233.9	5066.8	4946.1	4923.6
22.5°	4190.3	4212.8	4340.1	4606.7	4972.7	5312.1	5485.8	5431.5	5216.6	5049.6	5019.1
25°	3967.5	3991.4	4139.9	4455.5	4907.7	5381.1	5690.0	5655.6	5386.4	5178.2	5135.8
27.5°	3775.2	3800.4	3962.2	4305.7	4806.9	5407.6	5891.6	5908.8	5591.9	5320.1	5275.0
30°	3624.1	3647.9	3820.3	4185.0	4676.9	5381.1	6068.0	6187.3	5801.4	5443.4	5378.4
32.5°	3458.3	3488.8	3670.5	4037.8	4523.1	5317.4	6221.8	6488.3	6044.1	5576.0	5493.8
35°	3248.8	3276.6	3467.6	3836.2	4321.6	5215.3	6350.4	6822.5	6391.5	5777.6	5686.1
37.5°	2994.2	3020.7	3210.3	3584.3	4121.3	5072.1	6448.5	7199.1	6805.2	6068.0	5946.0
40°	2738.3	2763.5	2941.2	3303.2	3881.3	4889.1	6483.0	7567.7	7280.0	6467.1	6337.1
42.5°	2503.6	2526.1	2689.2	3026.0	3612.1	4655.7	6437.9	7888.6	7705.6	6745.6	6578.5
45°	2287.4	2307.3	2451.8	2766.1	3332.3	4372.0	6302.7	8233.4	8212.2	6944.5	6719.0
47.5°	2040.8	2060.7	2210.5	2514.2	3052.5	4039.1	6073.3	8572.9	8916.3	7395.3	7135.4
50°	1739.8	1757.0	1910.8	2223.8	2762.1	3685.1	5755.0	8839.4	9804.7	8078.2	7752.0
52.5°	1383.1	1401.6	1551.5	1864.4	2417.4	3304.5	5336.0	9013.1	10831.1	9075.4	8673.6
55°	1029.0	1042.3	1172.2	1453.3	1990.4	2870.9	4810.9	9062.2	11995.4	10438.6	9936.0
57.5°	746.6	754.5	838.1	1047.6	1509.0	2328.5	4173.0	8934.9	13381.1	12186.3	11553.8
60°	604.7	607.3	632.5	725.3	1048.9	1715.9	3402.6	8497.3	14884.8	14439.3	13642.3
62.5°	549.0	549.0	555.6	580.8	709.4	1132.4	2470.4	7590.3	16497.3	17286.3	16218.8
65°	510.5	510.5	513.2	525.1	559.6	721.4	1559.4	6113.0	17856.5	20621.3	19271.3
67.5°	476.0	477.4	476.0	480.0	499.9	533.1	904.4	4222.1	18588.4	24076.9	22619.6
70°	440.2	442.9	436.3	436.3	452.2	453.5	566.2	2315.3	17981.1	26973.0	26589.8
72.5°	397.8	401.8	391.2	388.5	400.5	395.2	425.7	1111.2	15437.8	27837.6	28845.4
75°	360.7	366.0	342.1	335.5	335.5	331.5	346.1	570.2	10019.6	22708.4	24289.1
77.5°	327.5	338.1	299.7	278.5	273.2	261.2	282.4	348.7	4382.6	10661.4	10439.9
80°	270.5	285.1	246.6	221.4	212.2	198.9	222.8	244.0	1303.5	2475.7	2371.0
82.5°	201.6	208.2	175.0	157.8	149.8	140.6	167.1	169.7	424.3	876.5	990.6
85°	128.6	131.3	107.4	92.8	88.8	84.9	106.1	92.8	161.8	644.5	936.2
87.5°	45.1	51.7	41.1	37.1	39.8	33.2	49.1	27.8	45.1	454.8	563.6
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)