

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: P943503

Luminaire Tested: **GALN-SB8A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943503
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-SB8A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35883 lumens
Efficiency: N/A
Efficacy: 158.0 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

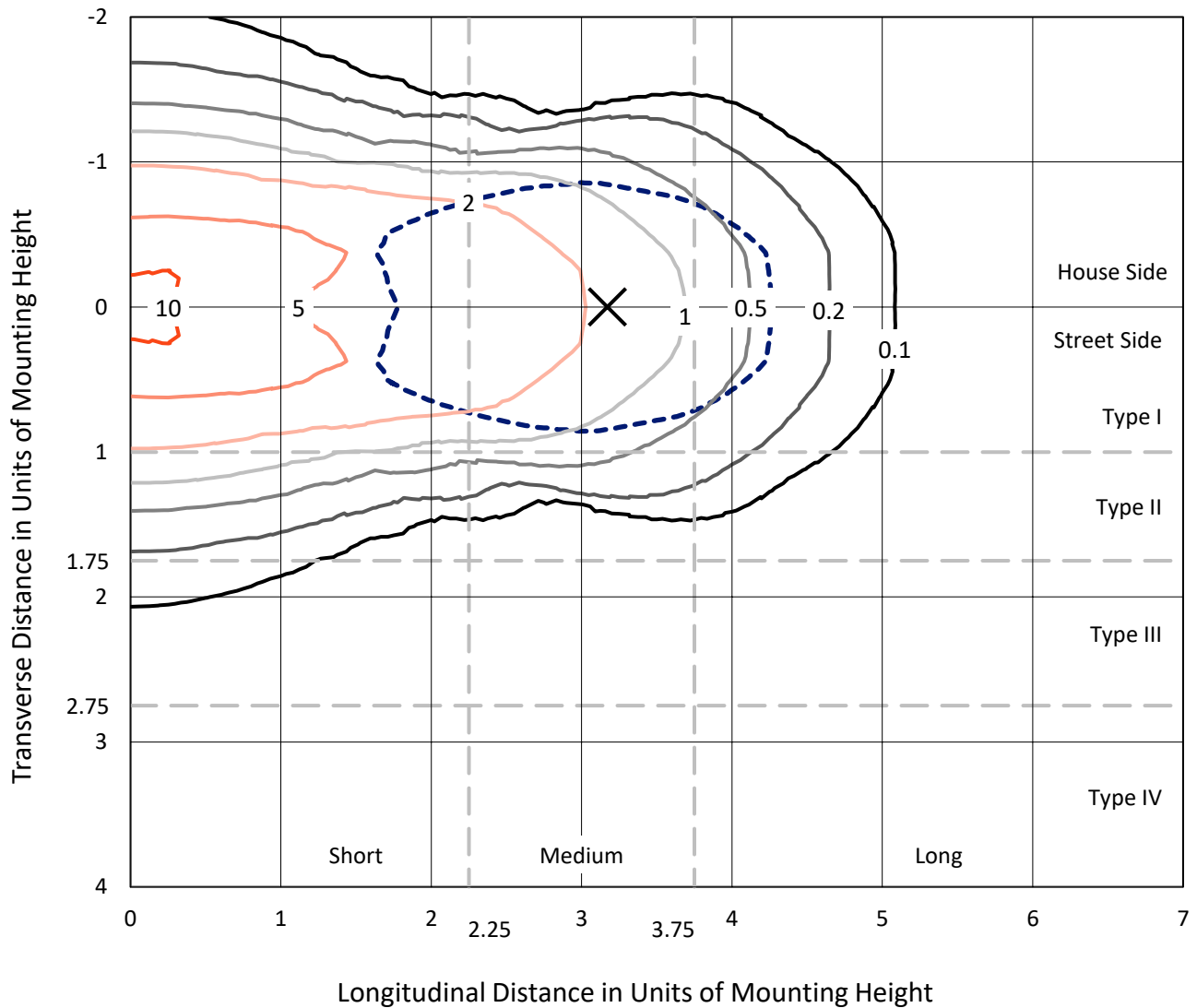
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

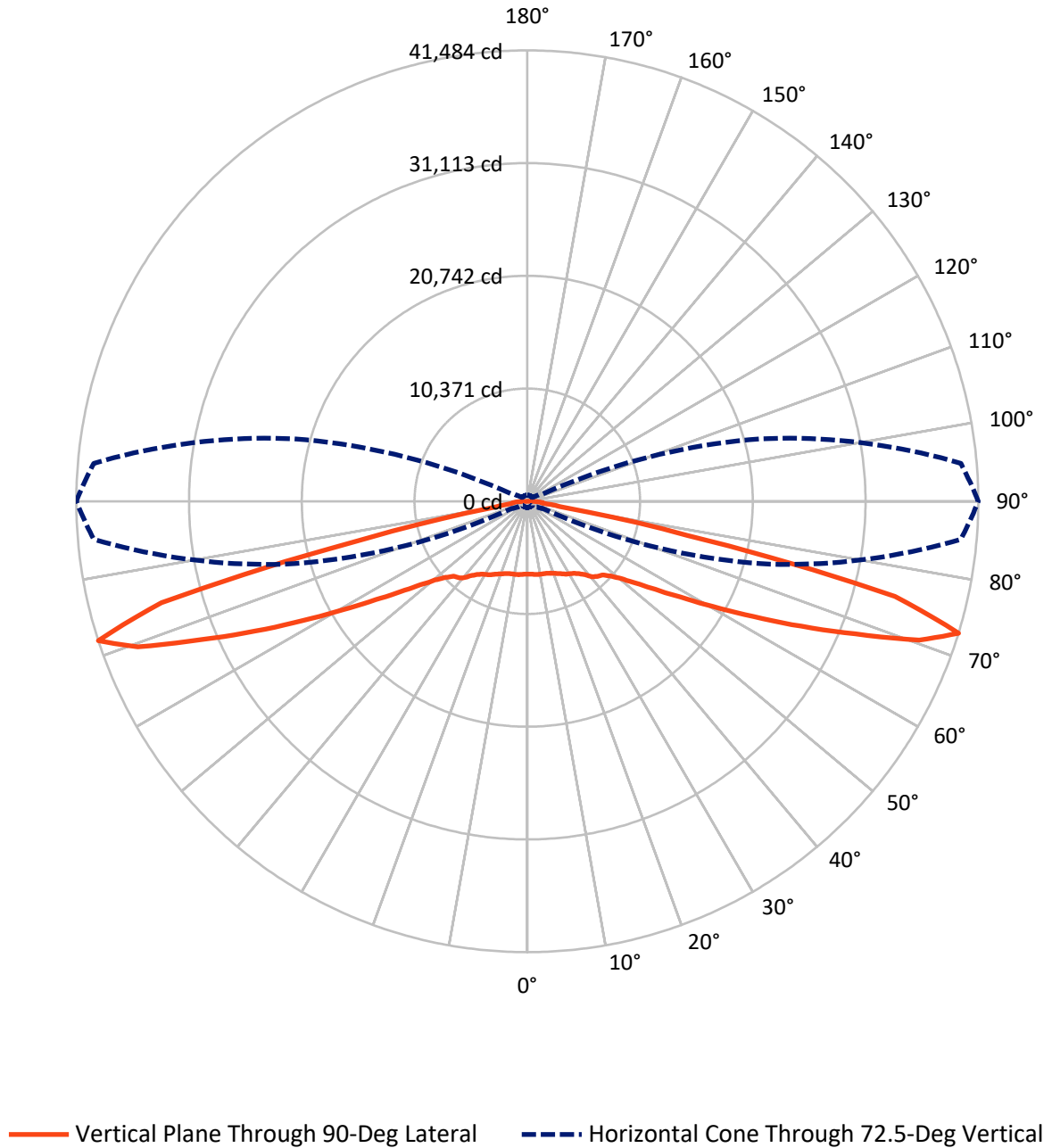
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	17941.5	0.0	17941.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17941.5	0.0	17941.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35883.0	0.0	35883.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.1	1.8
10°-20°	1987.9	5.5
20°-30°	3314.6	9.2
30°-40°	4558.6	12.7
40°-50°	5567.3	15.5
50°-60°	6439.2	17.9
60°-70°	7677.7	21.4
70°-80°	5358.5	14.9
80°-90°	329.1	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°	35883.0	100.0
0°-180°	35883.0	100.0



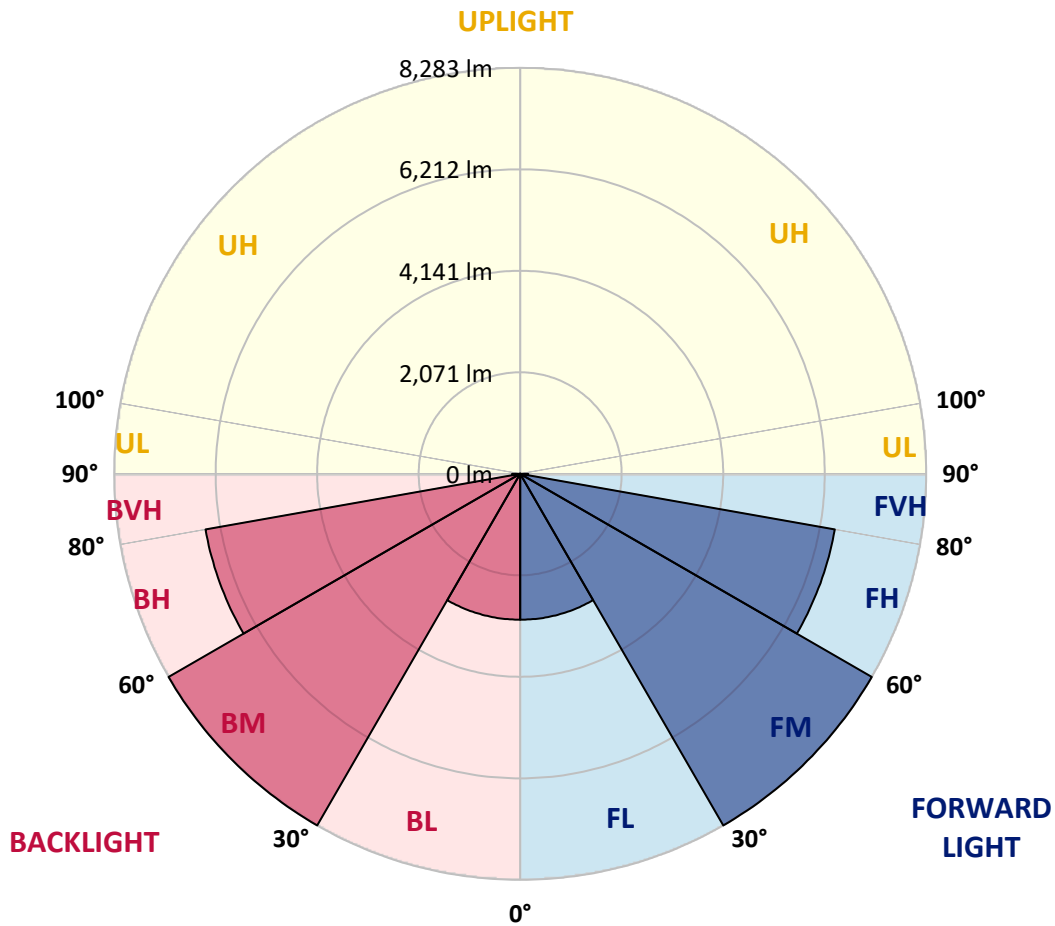
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2976.3	8.3			
FM (30°-60°)	8282.5	23.1			
FH (60°-80°)	6518.1	18.2			G3/7500
FVH (80°-90°)	164.6	0.5			G2/225
BL (0°-30°)	2976.3	8.3	B4/5000		
BM (30°-60°)	8282.5	23.1	B4/8500		
BH (60°-80°)	6518.1	18.2	B5		G5
BVH (80°-90°)	164.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6705.1	6705.1	6705.1	6705.1	6705.1	6705.1	6705.1	6705.1	6705.1	6705.1
2.5°	6710.8	6718.5	6718.5	6712.7	6726.1	6714.7	6714.7	6708.9	6714.7	6708.9
5°	6745.2	6754.7	6758.5	6756.6	6773.8	6764.2	6764.2	6756.6	6758.5	6752.8
7.5°	6810.0	6823.4	6831.0	6840.5	6865.3	6853.9	6846.2	6823.4	6813.8	6798.6
10°	6831.0	6846.2	6871.0	6920.6	6977.8	6979.7	6956.8	6899.6	6855.8	6821.4
12.5°	6766.1	6787.1	6838.6	6939.7	7067.5	7118.9	7082.7	6987.4	6901.5	6840.5
15°	6684.1	6707.0	6785.2	6937.8	7126.6	7246.7	7242.9	7117.0	6979.7	6884.4
17.5°	6556.4	6579.3	6691.8	6905.4	7172.3	7370.7	7424.1	7294.4	7101.8	6974.0
20°	6325.6	6346.6	6503.0	6802.4	7187.6	7502.3	7641.5	7527.0	7286.8	7113.2
22.5°	6026.2	6058.6	6241.7	6625.0	7151.4	7639.6	7889.4	7811.2	7502.3	7262.0
25°	5705.8	5740.2	5953.7	6407.6	7057.9	7738.7	8183.1	8133.5	7746.4	7447.0
27.5°	5429.3	5465.5	5698.2	6192.1	6913.0	7776.9	8472.9	8497.7	8041.9	7651.0
30°	5211.9	5246.2	5494.2	6018.6	6726.1	7738.7	8726.6	8898.2	8343.3	7828.4
32.5°	4973.5	5017.4	5278.7	5806.9	6504.9	7647.2	8947.8	9331.1	8692.2	8019.1
35°	4672.2	4712.3	4986.9	5517.0	6215.0	7500.3	9132.8	9811.7	9191.9	8308.9
37.5°	4306.1	4344.2	4616.9	5154.7	5927.0	7294.4	9273.9	10353.3	9786.9	8726.6
40°	3938.0	3974.3	4229.8	4750.4	5581.9	7031.2	9323.5	10883.4	10469.6	9300.6
42.5°	3600.5	3632.9	3867.5	4351.8	5194.7	6695.6	9258.6	11344.9	11081.8	9701.1
45°	3289.6	3318.2	3526.1	3978.1	4792.4	6287.5	9064.1	11840.7	11810.2	9987.1
47.5°	2934.9	2963.5	3179.0	3615.7	4390.0	5808.8	8734.2	12328.9	12822.9	10635.5
50°	2502.0	2526.8	2748.0	3198.1	3972.3	5299.6	8276.5	12712.3	14100.6	11617.6
52.5°	1989.0	2015.7	2231.2	2681.3	3476.5	4752.3	7673.9	12962.1	15576.6	13051.7
55°	1479.9	1498.9	1685.8	2090.1	2862.5	4128.7	6918.7	13032.6	17251.0	15012.1
57.5°	1073.7	1085.1	1205.2	1506.6	2170.2	3348.7	6001.4	12849.6	19243.8	17525.6
60°	869.6	873.4	909.7	1043.1	1508.5	2467.7	4893.4	12220.2	21406.4	20765.6
62.5°	789.5	789.5	799.0	835.3	1020.3	1628.6	3552.8	10915.8	23725.4	24860.0
65°	734.2	734.2	738.0	755.2	804.8	1037.4	2242.7	8791.4	25680.1	29656.2
67.5°	684.6	686.5	684.6	690.3	719.0	766.6	1300.6	6072.0	26732.7	34625.9
70°	633.1	636.9	627.4	627.4	650.3	652.2	814.3	3329.7	25859.3	38790.9
72.5°	572.1	577.8	562.6	558.8	575.9	568.3	612.2	1598.1	22201.6	40034.3
75°	518.7	526.3	492.0	482.5	482.5	476.8	497.7	820.0	14409.5	32657.9
77.5°	471.0	486.3	431.0	400.5	392.8	375.7	406.2	501.5	6302.7	15332.5
80°	389.0	410.0	354.7	318.5	305.1	286.1	320.4	350.9	1874.6	3560.4
82.5°	289.9	299.4	251.7	226.9	215.5	202.1	240.3	244.1	610.2	1260.5
85°	185.0	188.8	154.5	133.5	127.8	122.0	152.6	133.5	232.7	926.8
87.5°	64.8	74.4	59.1	53.4	57.2	47.7	70.6	40.0	64.8	654.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6705.1
6708.9
6752.8
6798.6
6815.7
6831.0
6869.1
6953.0
7080.8
7218.1
7385.9
7586.2
7734.9
7900.8
8177.3
8551.1
9113.7
9460.8
9662.9
10261.7
11148.5
12473.9
14289.4
16616.0
19619.5
23324.9
27714.9
32530.1
38239.8
41483.6
34931.1
15014.0
3409.8
1424.6
1346.4
810.5
0.0

OF REPORT)