

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: P943163

Luminaire Tested: **GALN-SB7C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943163
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-SB7C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52688 lumens
Efficiency: N/A
Efficacy: 150.3 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

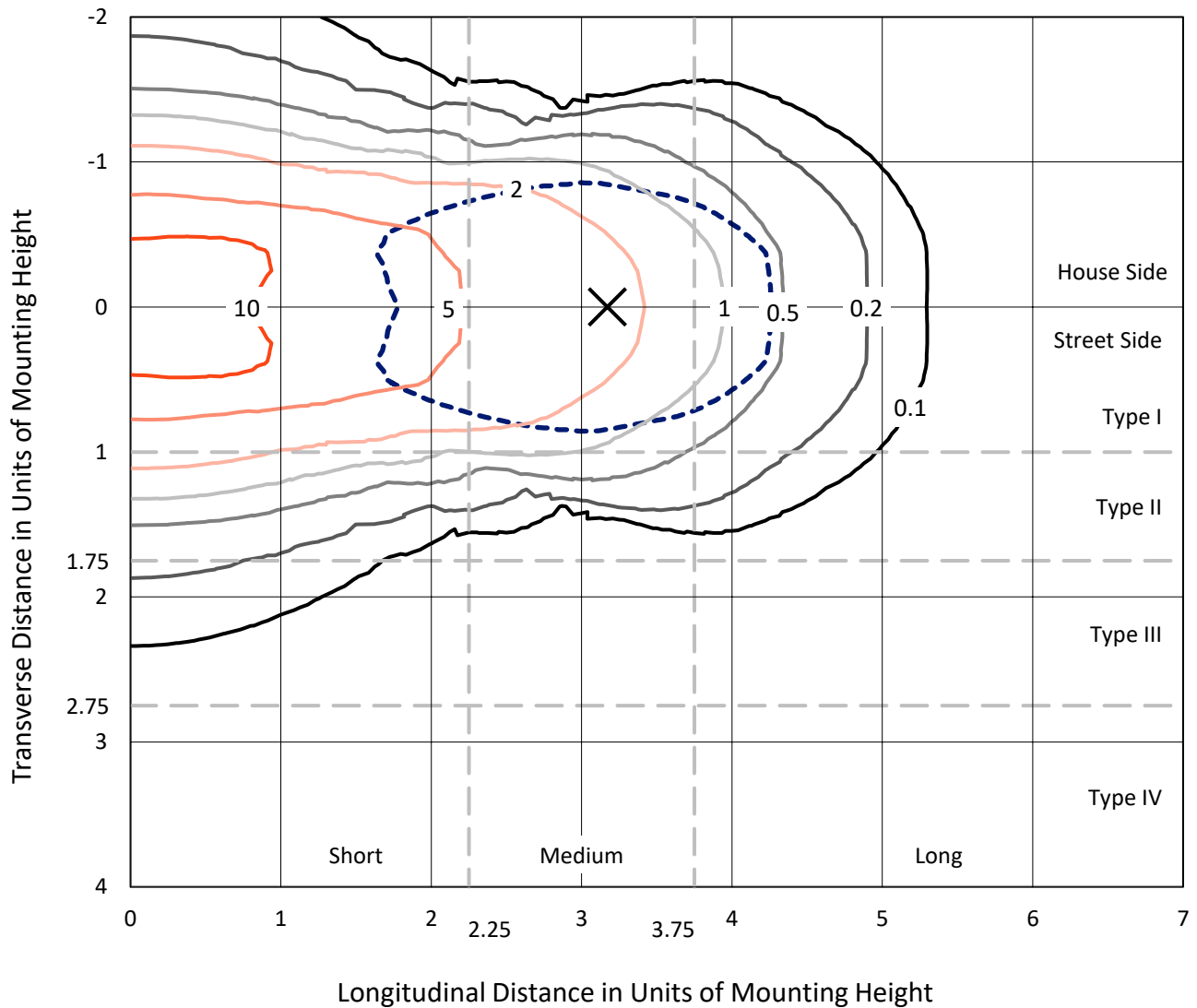
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

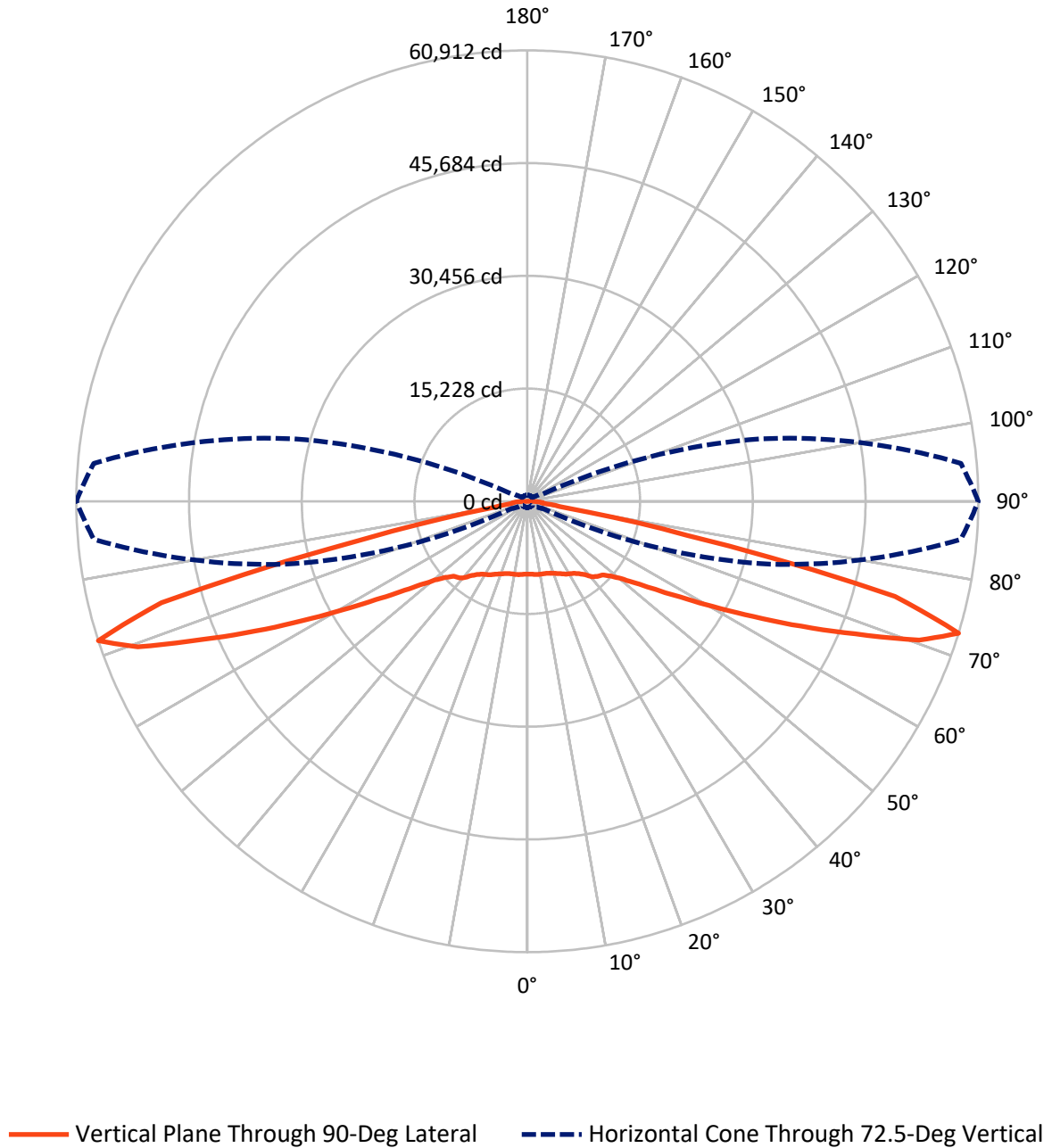
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 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	26344.0	0.0	26344.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26344.0	0.0	26344.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52688.0	0.0	52688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	954.6	1.8
10°-20°	2918.8	5.5
20°-30°	4866.9	9.2
30°-40°	6693.5	12.7
40°-50°	8174.6	15.5
50°-60°	9454.8	17.9
60°-70°	11273.3	21.4
70°-80°	7868.0	14.9
80°-90°	483.2	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°	52688.0	100.0
0°-180°	52688.0	100.0

Coefficient of Utilization



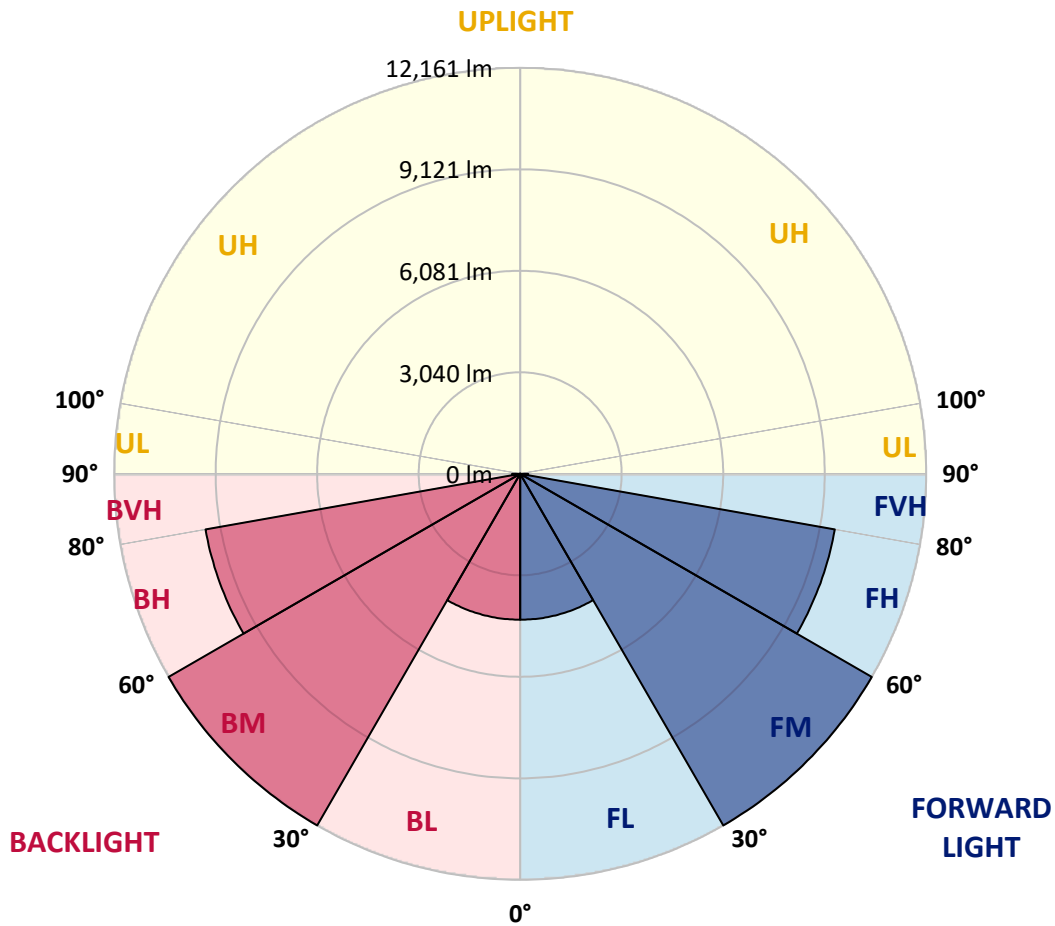
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4370.2	8.3			
FM (30°-60°)	12161.5	23.1			
FH (60°-80°)	9570.7	18.2			G4/12000
FVH (80°-90°)	241.6	0.5			G3/500
BL (0°-30°)	4370.2	8.3	B4/5000		
BM (30°-60°)	12161.5	23.1	B5		
BH (60°-80°)	9570.7	18.2	B5		G5
BVH (80°-90°)	241.6	0.5			G3/500
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°	9845.3	9845.3	9845.3	9845.3	9845.3	9845.3	9845.3	9845.3	9845.3	9845.3
2.5°	9853.7	9864.9	9864.9	9856.5	9876.1	9859.3	9859.3	9850.9	9859.3	9850.9
5°	9904.1	9918.1	9923.7	9920.9	9946.1	9932.1	9932.1	9920.9	9923.7	9915.3
7.5°	9999.3	10018.9	10030.1	10044.1	10080.5	10063.7	10052.5	10018.9	10004.9	9982.5
10°	10030.1	10052.5	10088.9	10161.7	10245.7	10248.5	10214.9	10130.9	10066.5	10016.1
12.5°	9934.9	9965.7	10041.3	10189.7	10377.3	10452.9	10399.7	10259.7	10133.7	10044.1
15°	9814.5	9848.1	9962.9	10186.9	10464.1	10640.6	10634.9	10450.1	10248.5	10108.5
17.5°	9626.9	9660.5	9825.7	10139.3	10531.3	10822.6	10901.0	10710.6	10427.7	10240.1
20°	9288.1	9318.9	9548.5	9988.1	10553.7	11015.8	11220.2	11052.2	10699.4	10444.5
22.5°	8848.5	8896.1	9164.9	9727.7	10500.5	11217.4	11584.2	11469.4	11015.8	10663.0
25°	8378.0	8428.4	8742.1	9408.5	10363.3	11363.0	12015.4	11942.6	11374.2	10934.6
27.5°	7972.0	8025.2	8366.8	9092.1	10150.5	11419.0	12441.0	12477.4	11808.2	11234.2
30°	7652.8	7703.2	8067.2	8837.3	9876.1	11363.0	12813.5	13065.5	12250.6	11494.6
32.5°	7302.8	7367.2	7750.8	8526.4	9551.3	11228.6	13138.3	13701.1	12763.1	11774.6
35°	6860.4	6919.2	7322.4	8100.8	9125.7	11013.0	13409.9	14406.7	13496.7	12200.2
37.5°	6322.7	6378.7	6779.2	7568.8	8702.8	10710.6	13617.1	15202.0	14370.3	12813.5
40°	5782.3	5835.5	6210.7	6975.2	8196.0	10324.1	13689.9	15980.4	15372.8	13656.3
42.5°	5286.7	5334.3	5678.7	6389.9	7627.6	9831.3	13594.7	16658.1	16271.6	14244.3
45°	4830.2	4872.3	5177.5	5841.1	7036.8	9232.1	13309.1	17386.1	17341.3	14664.4
47.5°	4309.4	4351.4	4667.8	5309.1	6445.9	8529.2	12824.7	18102.9	18828.2	15616.4
50°	3673.8	3710.2	4035.0	4695.8	5832.7	7781.6	12152.6	18665.8	20704.3	17058.5
52.5°	2920.6	2959.8	3276.2	3937.0	5104.7	6978.0	11267.8	19032.6	22871.6	19164.2
55°	2172.9	2200.9	2475.3	3069.0	4203.0	6062.3	10158.9	19136.2	25330.1	22042.7
57.5°	1576.5	1593.3	1769.7	2212.1	3186.6	4917.1	8812.1	18867.4	28256.3	25733.3
60°	1276.9	1282.5	1335.7	1531.7	2214.9	3623.4	7185.2	17943.3	31431.6	30490.8
62.5°	1159.3	1159.3	1173.3	1226.5	1498.1	2391.3	5216.7	16028.0	34836.6	36502.7
65°	1078.1	1078.1	1083.7	1108.9	1181.7	1523.3	3293.0	12908.7	37706.7	43545.1
67.5°	1005.3	1008.1	1005.3	1013.7	1055.7	1125.7	1909.7	8915.7	39252.4	50842.2
70°	929.6	935.2	921.2	921.2	954.8	957.6	1195.7	4889.1	37970.0	56957.7
72.5°	840.0	848.4	826.0	820.4	845.6	834.4	898.8	2346.5	32599.3	58783.4
75°	761.6	772.8	722.4	708.4	708.4	700.0	730.8	1204.1	21157.9	47952.5
77.5°	691.6	714.0	632.8	588.0	576.8	551.6	596.4	736.4	9254.5	22513.2
80°	571.2	602.0	520.8	467.6	448.0	420.0	470.4	515.2	2752.5	5227.9
82.5°	425.6	439.6	369.6	333.2	316.4	296.8	352.8	358.4	896.0	1850.9
85°	271.6	277.2	226.8	196.0	187.6	179.2	224.0	196.0	341.6	1360.9
87.5°	95.2	109.2	86.8	78.4	84.0	70.0	103.6	58.8	95.2	960.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9845.3
9850.9
9915.3
9982.5
10007.7
10030.1
10086.1
10209.3
10396.9
10598.5
10845.0
11139.0
11357.4
11601.0
12007.0
12555.8
13381.9
13891.5
14188.3
15067.6
16369.6
18315.7
20981.5
24397.7
28807.9
34248.6
40694.5
47764.9
56148.5
60911.5
51290.3
22045.5
5006.7
2091.7
1976.9
1190.1
0.0

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