

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: P943183

Luminaire Tested: **GALN-SB7C-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943183
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-750-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55743 lumens
Efficiency: N/A
Efficacy: 159.0 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

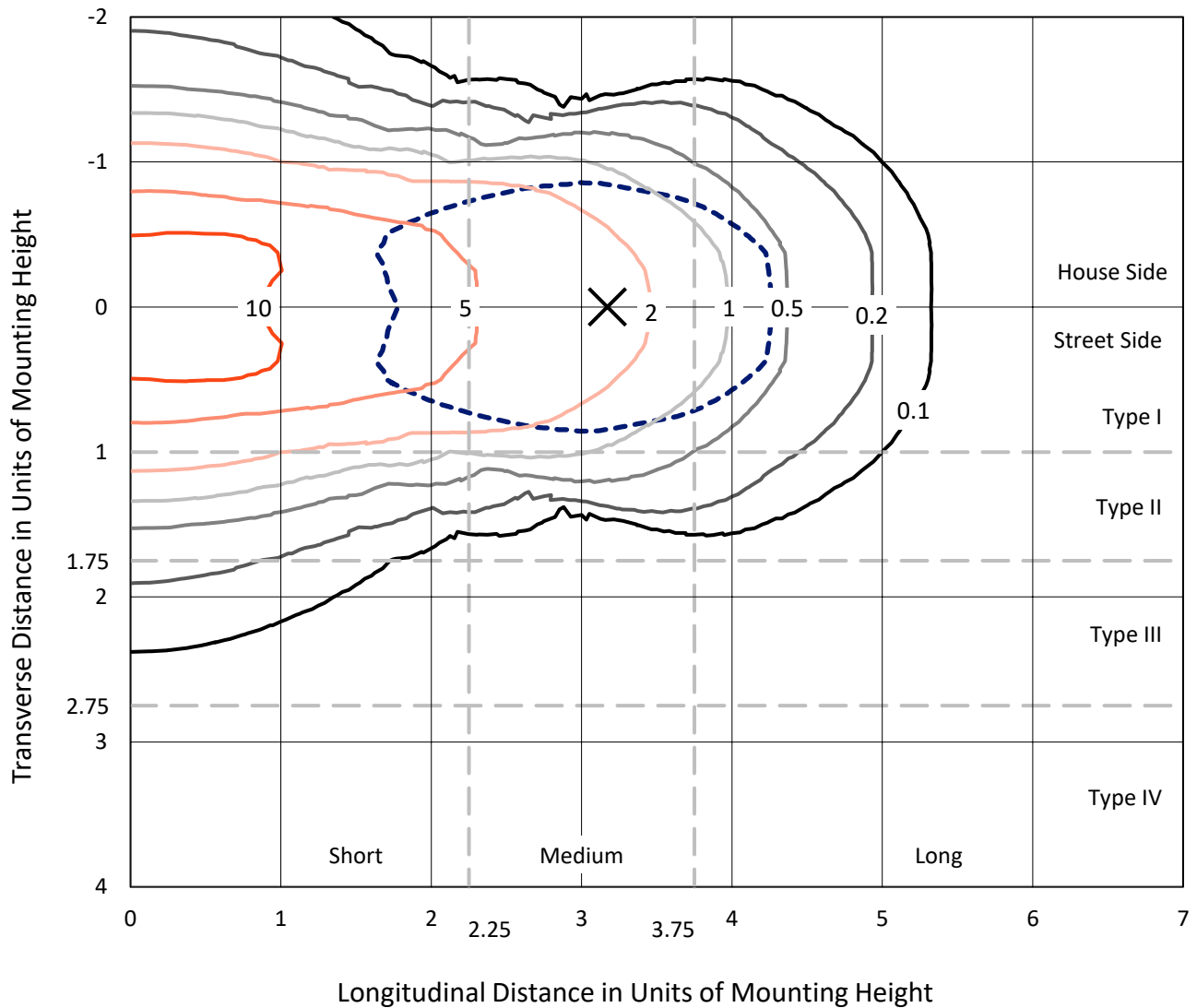
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

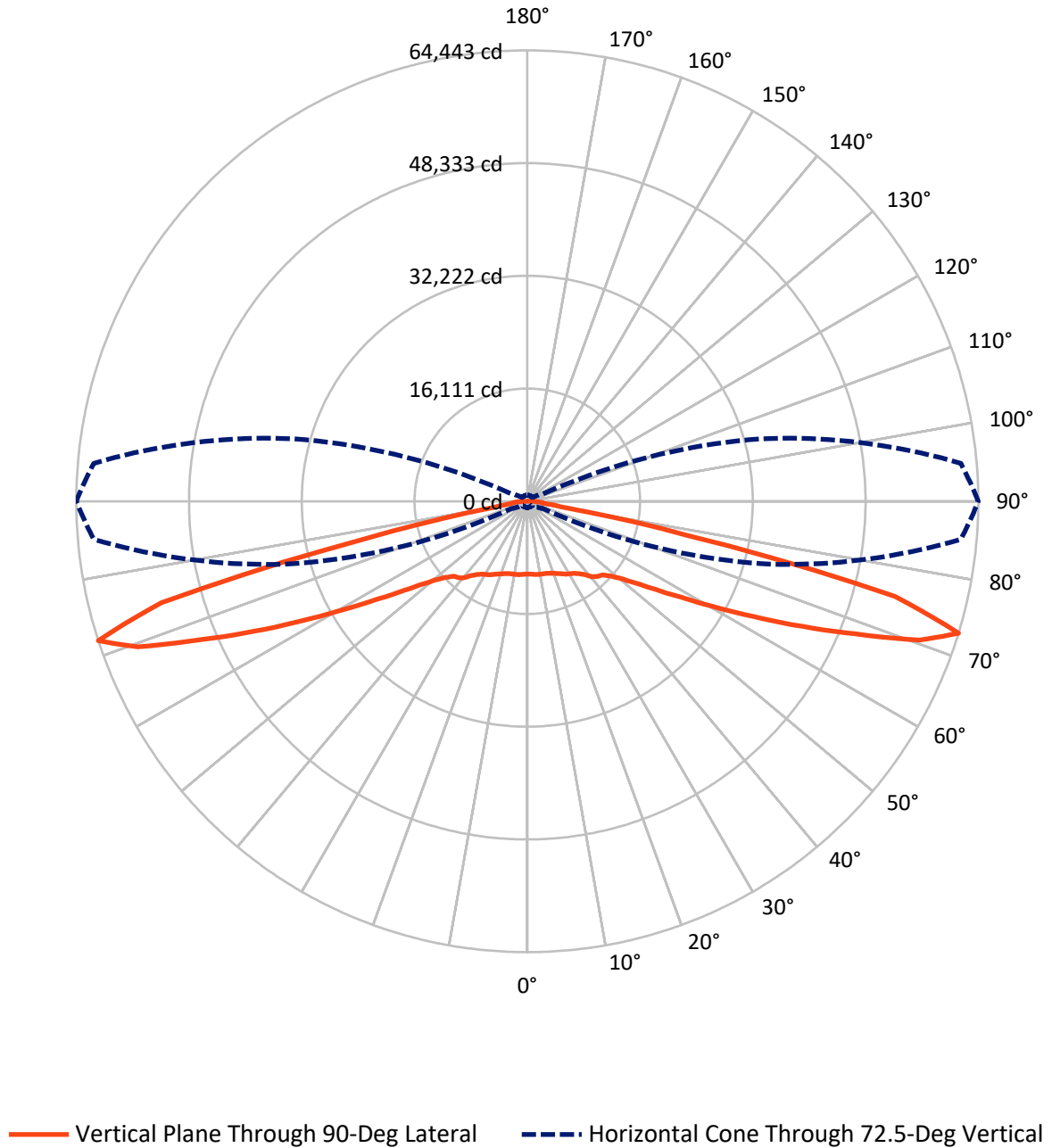
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 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	27871.5	0.0	27871.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27871.5	0.0	27871.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55743.0	0.0	55743.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.0	1.8
10°-20°	3088.1	5.5
20°-30°	5149.1	9.2
30°-40°	7081.6	12.7
40°-50°	8648.6	15.5
50°-60°	10003.0	17.9
60°-70°	11927.0	21.4
70°-80°	8324.2	14.9
80°-90°	511.3	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°	55743.0	100.0
0°-180°	55743.0	100.0



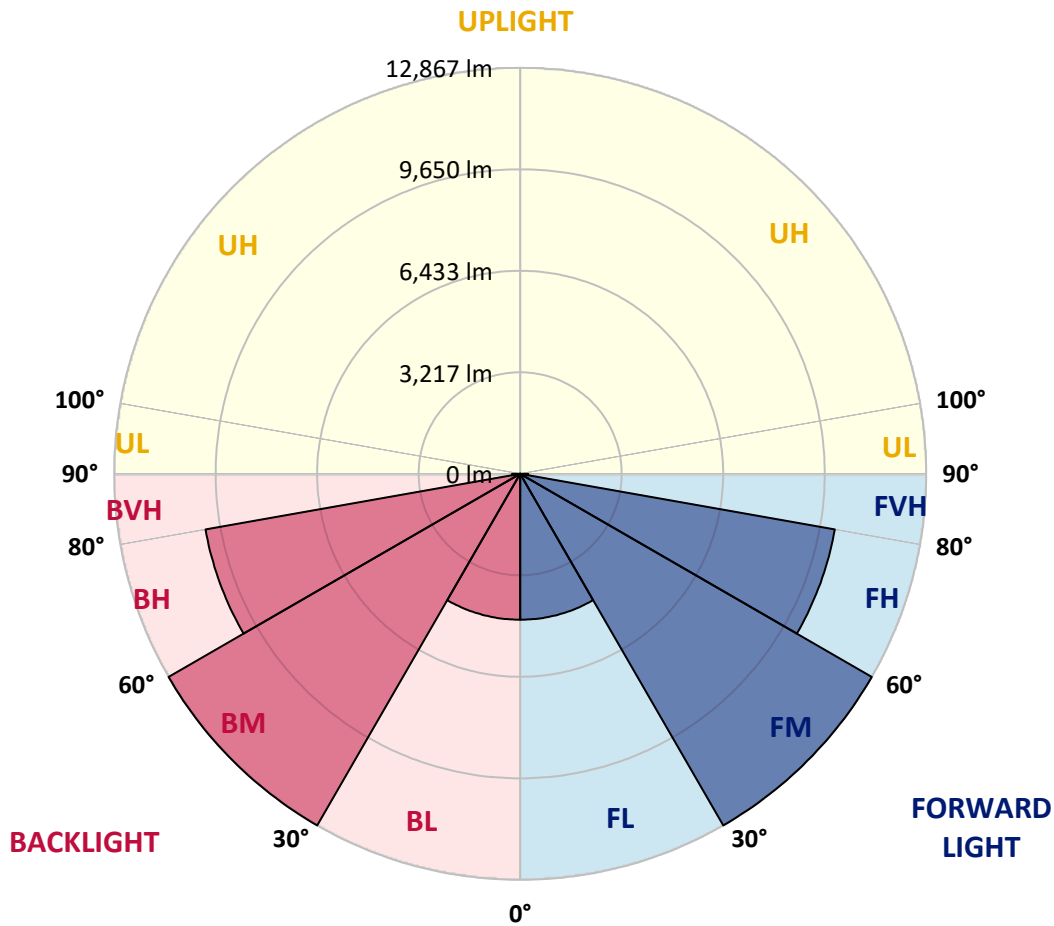
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4623.6	8.3			
FM	(30°-60°)	12866.7	23.1			
FH	(60°-80°)	10125.6	18.2			G4/12000
FVH	(80°-90°)	255.6	0.5			G3/500
BL	(0°-30°)	4623.6	8.3	B4/5000		
BM	(30°-60°)	12866.7	23.1	B5		
BH	(60°-80°)	10125.6	18.2	B5		G5
BVH	(80°-90°)	255.6	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°	10416.2	10416.2	10416.2	10416.2	10416.2	10416.2	10416.2	10416.2	10416.2	10416.2
2.5°	10425.1	10436.9	10436.9	10428.0	10448.8	10431.0	10431.0	10422.1	10431.0	10422.1
5°	10478.4	10493.2	10499.1	10496.2	10522.8	10508.0	10508.0	10496.2	10499.1	10490.2
7.5°	10579.1	10599.8	10611.7	10626.5	10665.0	10647.2	10635.4	10599.8	10585.0	10561.3
10°	10611.7	10635.4	10673.9	10750.9	10839.8	10842.8	10807.2	10718.3	10650.2	10596.9
12.5°	10511.0	10543.6	10623.5	10780.6	10979.0	11059.0	11002.7	10854.6	10721.3	10626.5
15°	10383.6	10419.1	10540.6	10777.6	11070.9	11257.5	11251.6	11056.1	10842.8	10694.6
17.5°	10185.1	10220.6	10395.4	10727.2	11142.0	11450.1	11533.0	11331.6	11032.4	10833.9
20°	9826.6	9859.2	10102.1	10567.3	11165.7	11654.5	11870.8	11693.0	11319.7	11050.1
22.5°	9361.5	9411.9	9696.3	10291.7	11109.4	11867.8	12255.9	12134.4	11654.5	11281.2
25°	8863.8	8917.1	9248.9	9954.0	10964.2	12021.8	12712.1	12635.1	12033.7	11568.6
27.5°	8434.3	8490.5	8852.0	9619.3	10739.1	12081.1	13162.4	13200.9	12492.9	11885.6
30°	8096.5	8149.9	8535.0	9349.7	10448.8	12021.8	13556.4	13823.0	12961.0	12161.1
32.5°	7726.2	7794.4	8200.2	9020.8	10105.1	11879.6	13900.1	14495.5	13503.1	12457.3
35°	7258.1	7320.4	7747.0	8570.5	9654.8	11651.5	14187.4	15242.1	14279.3	12907.6
37.5°	6689.3	6748.6	7172.2	8007.7	9207.5	11331.6	14406.7	16083.4	15203.6	13556.4
40°	6117.6	6173.9	6570.8	7379.6	8671.3	10922.8	14483.7	16907.0	16264.2	14448.1
42.5°	5593.2	5643.6	6008.0	6760.4	8069.9	10401.4	14383.0	17623.9	17215.1	15070.3
45°	5110.3	5154.8	5477.7	6179.8	7444.8	9767.4	14080.8	18394.2	18346.8	15514.6
47.5°	4559.3	4603.7	4938.5	5616.9	6819.7	9023.8	13568.3	19152.6	19919.9	16521.9
50°	3886.8	3925.3	4269.0	4968.1	6170.9	8232.8	12857.3	19748.1	21904.8	18047.6
52.5°	3089.9	3131.4	3466.1	4165.3	5400.6	7382.6	11921.1	20136.1	24197.7	20275.4
55°	2298.9	2328.5	2618.9	3246.9	4446.7	6413.8	10748.0	20245.8	26798.8	23320.8
57.5°	1667.9	1685.7	1872.3	2340.4	3371.3	5202.2	9323.0	19961.4	29894.6	27225.4
60°	1350.9	1356.8	1413.1	1620.5	2343.3	3833.5	7601.8	18983.7	33254.1	32258.7
62.5°	1226.5	1226.5	1241.3	1297.6	1584.9	2530.0	5519.1	16957.4	36856.5	38619.2
65°	1140.6	1140.6	1146.5	1173.2	1250.2	1611.6	3483.9	13657.1	39893.1	46069.9
67.5°	1063.5	1066.5	1063.5	1072.4	1116.9	1190.9	2020.4	9432.6	41528.4	53790.2
70°	983.6	989.5	974.7	974.7	1010.2	1013.2	1265.0	5172.5	40171.6	60260.3
72.5°	888.8	897.6	873.9	868.0	894.7	882.8	951.0	2482.6	34489.5	62191.9
75°	805.8	817.7	764.3	749.5	749.5	740.6	773.2	1273.9	22384.7	50732.9
77.5°	731.7	755.4	669.5	622.1	610.3	583.6	631.0	779.1	9791.1	23818.5
80°	604.4	636.9	551.0	494.7	474.0	444.4	497.7	545.1	2912.1	5531.0
82.5°	450.3	465.1	391.1	352.5	334.8	314.0	373.3	379.2	948.0	1958.2
85°	287.4	293.3	240.0	207.4	198.5	189.6	237.0	207.4	361.4	1439.8
87.5°	100.7	115.5	91.8	83.0	88.9	74.1	109.6	62.2	100.7	1016.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10416.2
10422.1
10490.2
10561.3
10588.0
10611.7
10670.9
10801.3
10999.8
11213.1
11473.8
11784.8
12015.9
12273.7
12703.2
13283.9
14157.8
14697.0
15011.0
15941.2
17318.8
19377.7
22198.1
25812.3
30478.3
36234.4
43054.1
50534.4
59404.2
64443.4
54264.2
23323.8
5297.0
2213.0
2091.5
1259.1
0.0

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