

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: P942503

Luminaire Tested: **GALN-SB6C-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942503
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-SB6C-750-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 47531 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

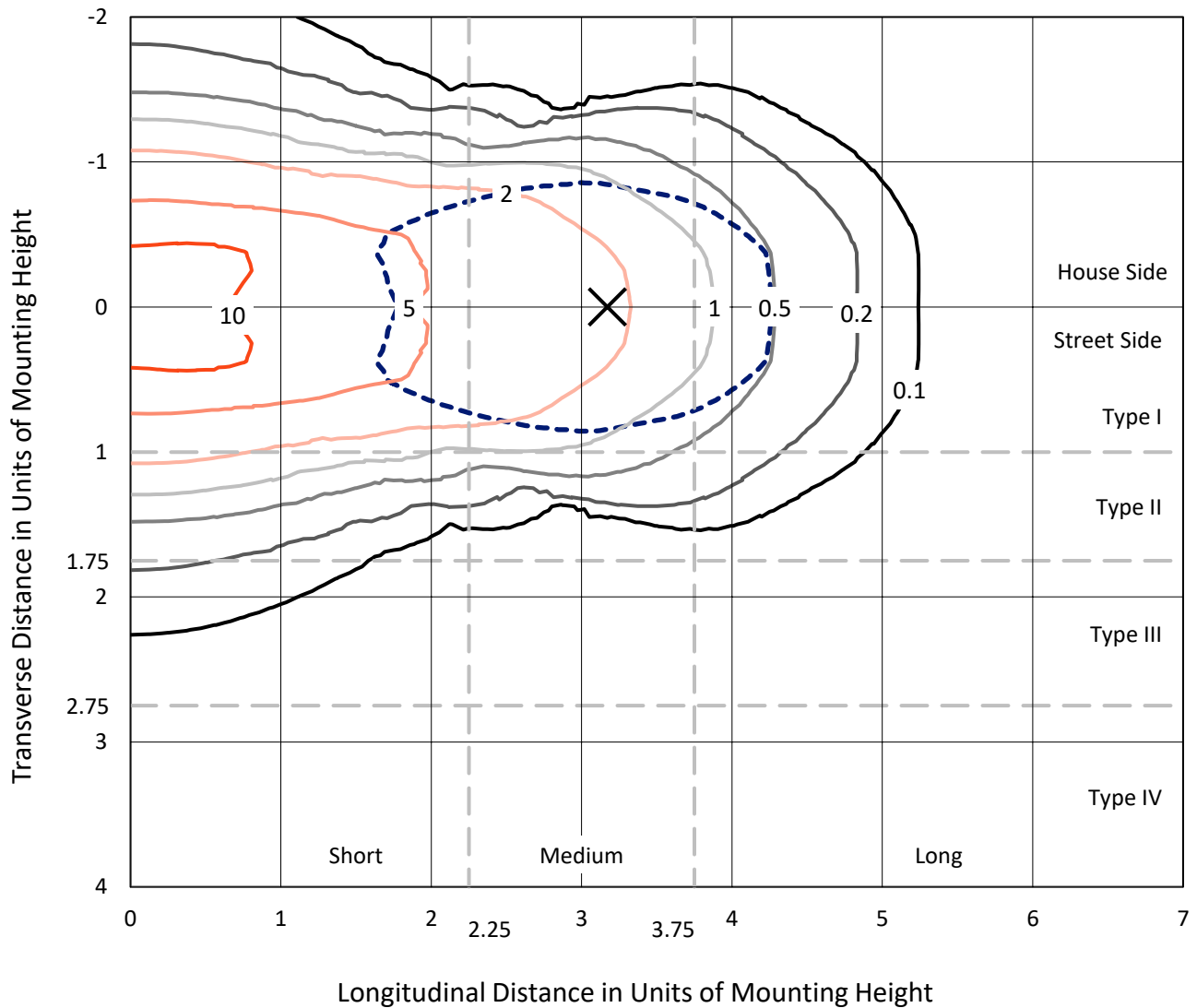
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

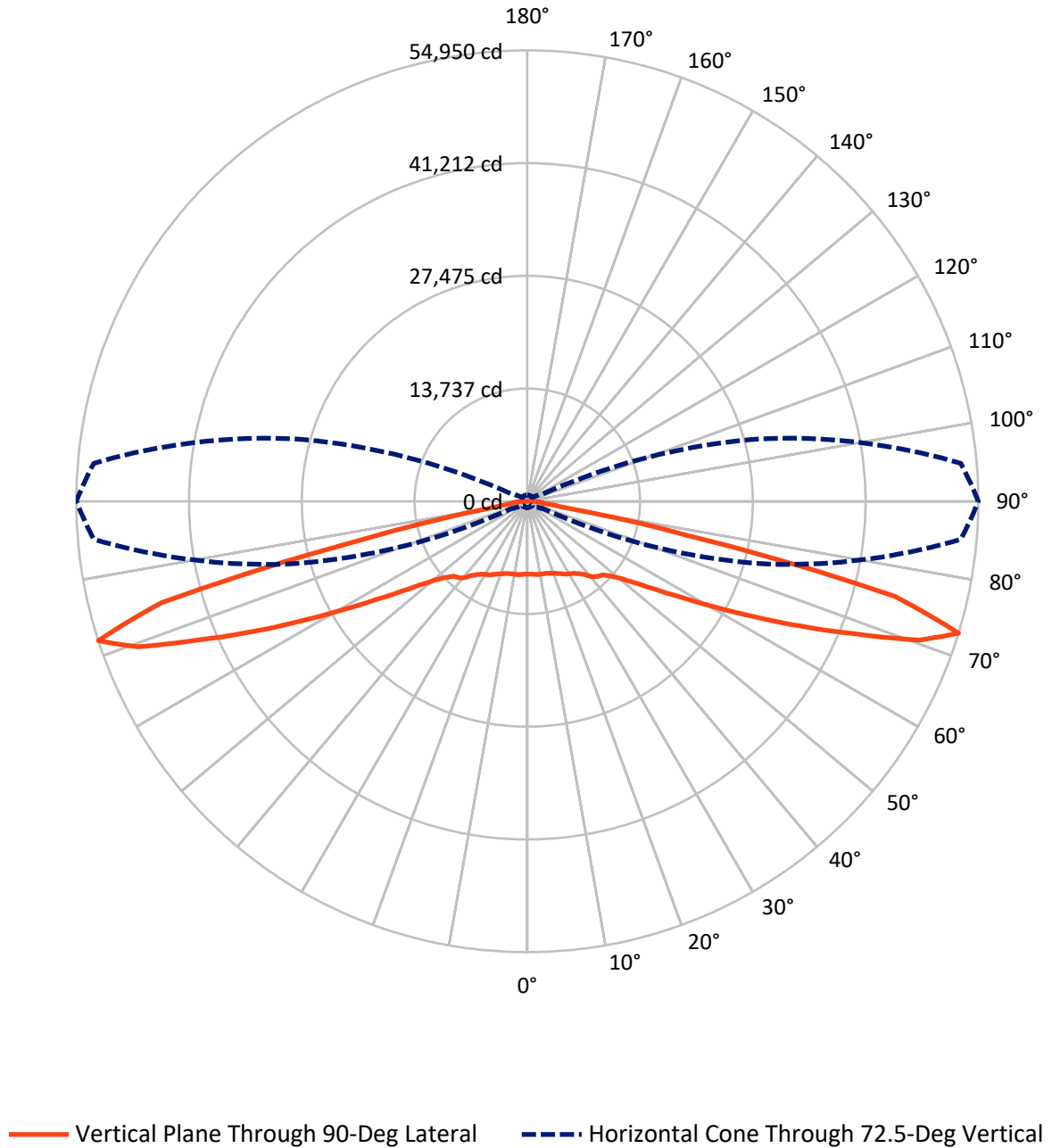
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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	23765.5	0.0	23765.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23765.5	0.0	23765.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47531.0	0.0	47531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.2	1.8
10°-20°	2633.2	5.5
20°-30°	4390.6	9.2
30°-40°	6038.4	12.7
40°-50°	7374.5	15.5
50°-60°	8529.4	17.9
60°-70°	10169.9	21.4
70°-80°	7097.9	14.9
80°-90°	436.0	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°	47531.0	100.0
0°-180°	47531.0	100.0

Coefficient of Utilization



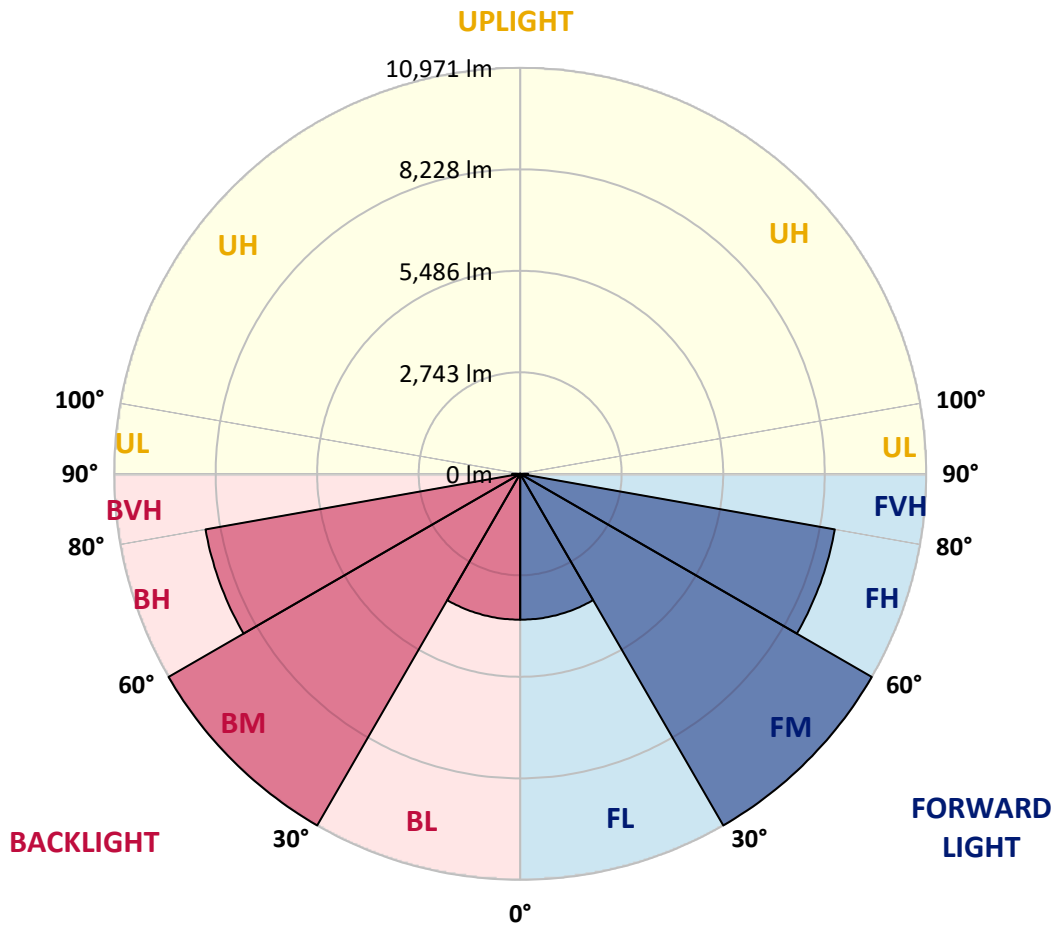
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3942.5	8.3			
FM (30°-60°)	10971.1	23.1			
FH (60°-80°)	8633.9	18.2			G4/12000
FVH (80°-90°)	218.0	0.5			G2/225
BL (0°-30°)	3942.5	8.3	B4/5000		
BM (30°-60°)	10971.1	23.1	B5		
BH (60°-80°)	8633.9	18.2	B5		G5
BVH (80°-90°)	218.0	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°	8881.7	8881.7	8881.7	8881.7	8881.7	8881.7	8881.7	8881.7	8881.7	8881.7
2.5°	8889.2	8899.4	8899.4	8891.8	8909.5	8894.3	8894.3	8886.7	8894.3	8886.7
5°	8934.7	8947.3	8952.4	8949.9	8972.6	8960.0	8960.0	8949.9	8952.4	8944.8
7.5°	9020.6	9038.3	9048.4	9061.0	9093.9	9078.7	9068.6	9038.3	9025.7	9005.4
10°	9048.4	9068.6	9101.4	9167.1	9242.9	9245.4	9215.1	9139.3	9081.2	9035.8
12.5°	8962.5	8990.3	9058.5	9192.4	9361.6	9429.8	9381.8	9255.5	9141.9	9061.0
15°	8853.9	8884.2	8987.8	9189.8	9439.9	9599.1	9594.0	9427.3	9245.4	9119.1
17.5°	8684.6	8714.9	8864.0	9146.9	9500.6	9763.3	9834.0	9662.2	9407.1	9237.8
20°	8379.0	8406.8	8613.9	9010.5	9520.8	9937.6	10122.0	9970.4	9652.1	9422.2
22.5°	7982.4	8025.3	8267.8	8775.6	9472.8	10119.4	10450.4	10346.8	9937.6	9619.3
25°	7558.0	7603.5	7886.4	8487.6	9349.0	10250.8	10839.4	10773.7	10260.9	9864.3
27.5°	7191.7	7239.7	7547.9	8202.2	9157.0	10301.3	11223.3	11256.2	10652.4	10134.6
30°	6903.8	6949.2	7277.6	7972.3	8909.5	10250.8	11559.3	11786.7	11051.6	10369.5
32.5°	6588.0	6646.1	6992.2	7691.9	8616.4	10129.5	11852.3	12360.1	11513.8	10622.1
35°	6188.9	6241.9	6605.7	7307.9	8232.5	9935.0	12097.4	12996.6	12175.7	11006.1
37.5°	5703.9	5754.4	6115.6	6828.0	7851.0	9662.2	12284.3	13714.0	12963.8	11559.3
40°	5216.3	5264.3	5602.8	6292.4	7393.8	9313.6	12350.0	14416.3	13868.1	12319.7
42.5°	4769.2	4812.2	5122.9	5764.5	6881.0	8869.0	12264.1	15027.6	14679.0	12850.1
45°	4357.5	4395.4	4670.7	5269.4	6348.0	8328.5	12006.4	15684.4	15644.0	13229.0
47.5°	3887.6	3925.5	4211.0	4789.4	5815.0	7694.4	11569.4	16331.1	16985.3	14087.9
50°	3314.2	3347.0	3640.1	4236.2	5261.8	7020.0	10963.2	16838.8	18677.8	15388.8
52.5°	2634.7	2670.1	2955.5	3551.7	4605.0	6295.0	10164.9	17169.7	20633.0	17288.4
55°	1960.2	1985.5	2233.0	2768.6	3791.6	5468.9	9164.6	17263.2	22850.8	19885.2
57.5°	1422.2	1437.3	1596.5	1995.6	2874.7	4435.8	7949.5	17020.7	25490.6	23214.6
60°	1151.9	1156.9	1204.9	1381.8	1998.1	3268.7	6481.9	16187.1	28355.2	27506.4
62.5°	1045.8	1045.8	1058.4	1106.4	1351.4	2157.3	4706.1	14459.2	31426.9	32929.9
65°	972.5	972.5	977.6	1000.3	1066.0	1374.2	2970.7	11645.2	34016.1	39282.9
67.5°	906.9	909.4	906.9	914.4	952.3	1015.5	1722.8	8043.0	35410.5	45865.9
70°	838.7	843.7	831.1	831.1	861.4	863.9	1078.6	4410.5	34253.5	51382.8
72.5°	757.8	765.4	745.2	740.1	762.9	752.8	810.9	2116.8	29408.5	53029.8
75°	687.1	697.2	651.7	639.1	639.1	631.5	659.3	1086.2	19087.0	43259.0
77.5°	623.9	644.1	570.9	530.5	520.4	497.6	538.1	664.4	8348.7	20309.6
80°	515.3	543.1	469.8	421.9	404.2	378.9	424.4	464.8	2483.1	4716.2
82.5°	384.0	396.6	333.4	300.6	285.4	267.8	318.3	323.3	808.3	1669.7
85°	245.0	250.1	204.6	176.8	169.2	161.7	202.1	176.8	308.2	1227.7
87.5°	85.9	98.5	78.3	70.7	75.8	63.2	93.5	53.0	85.9	866.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8881.7
8886.7
8944.8
9005.4
9028.2
9048.4
9098.9
9210.1
9379.3
9561.2
9783.5
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10465.5
10831.8
11326.9
12072.1
12531.8
12799.6
13592.8
14767.4
16523.0
18927.9
22009.7
25988.2
30896.4
36711.4
43089.7
50652.8
54949.6
46270.1
19887.8
4516.6
1887.0
1783.4
1073.6
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