

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: P942123

Luminaire Tested: **GALN-SB6A-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942123
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-SB6A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24960 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 170.9
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



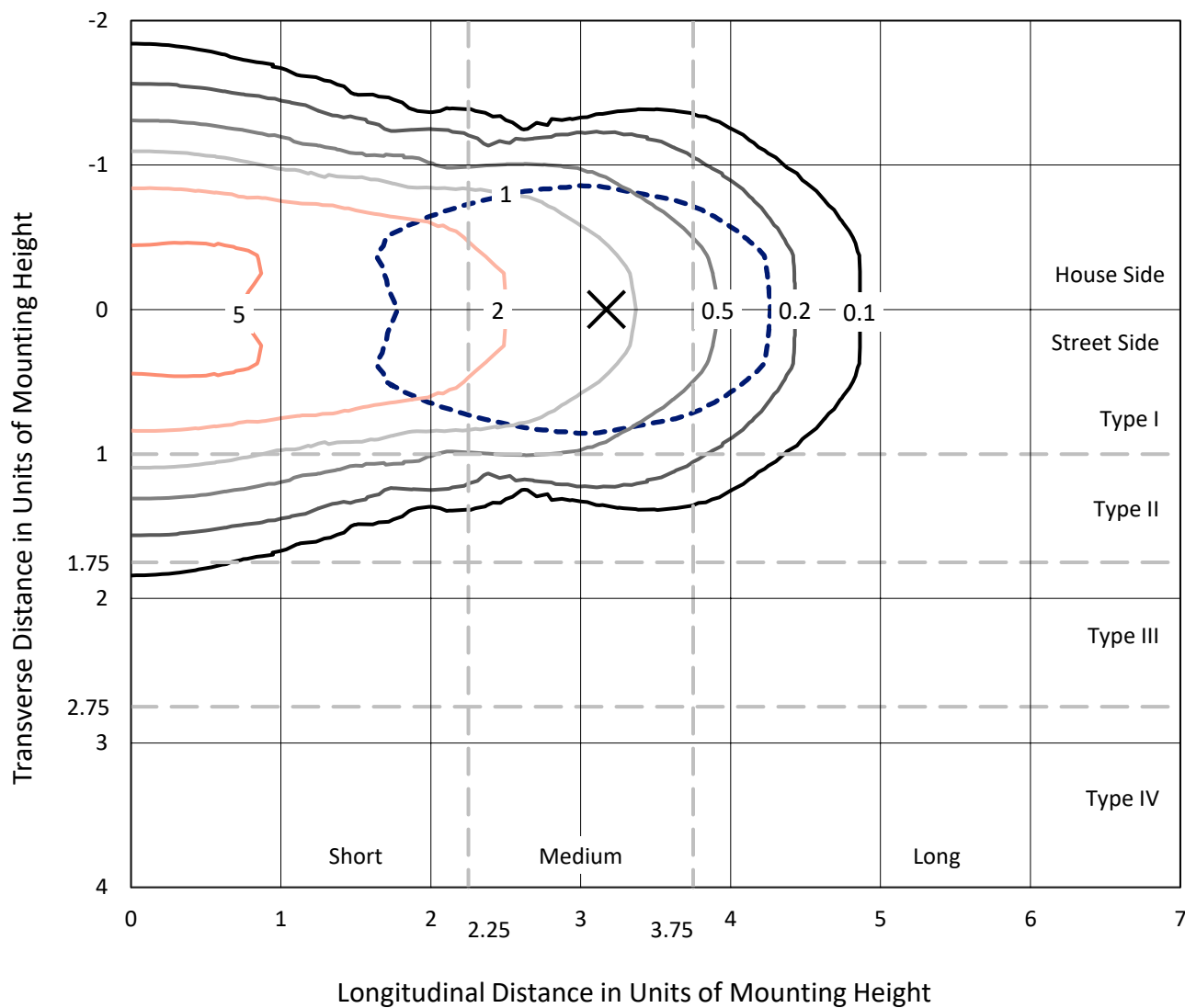
REPORT NUMBER: P942123

CATALOG NUMBER: GALN-SB6A-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

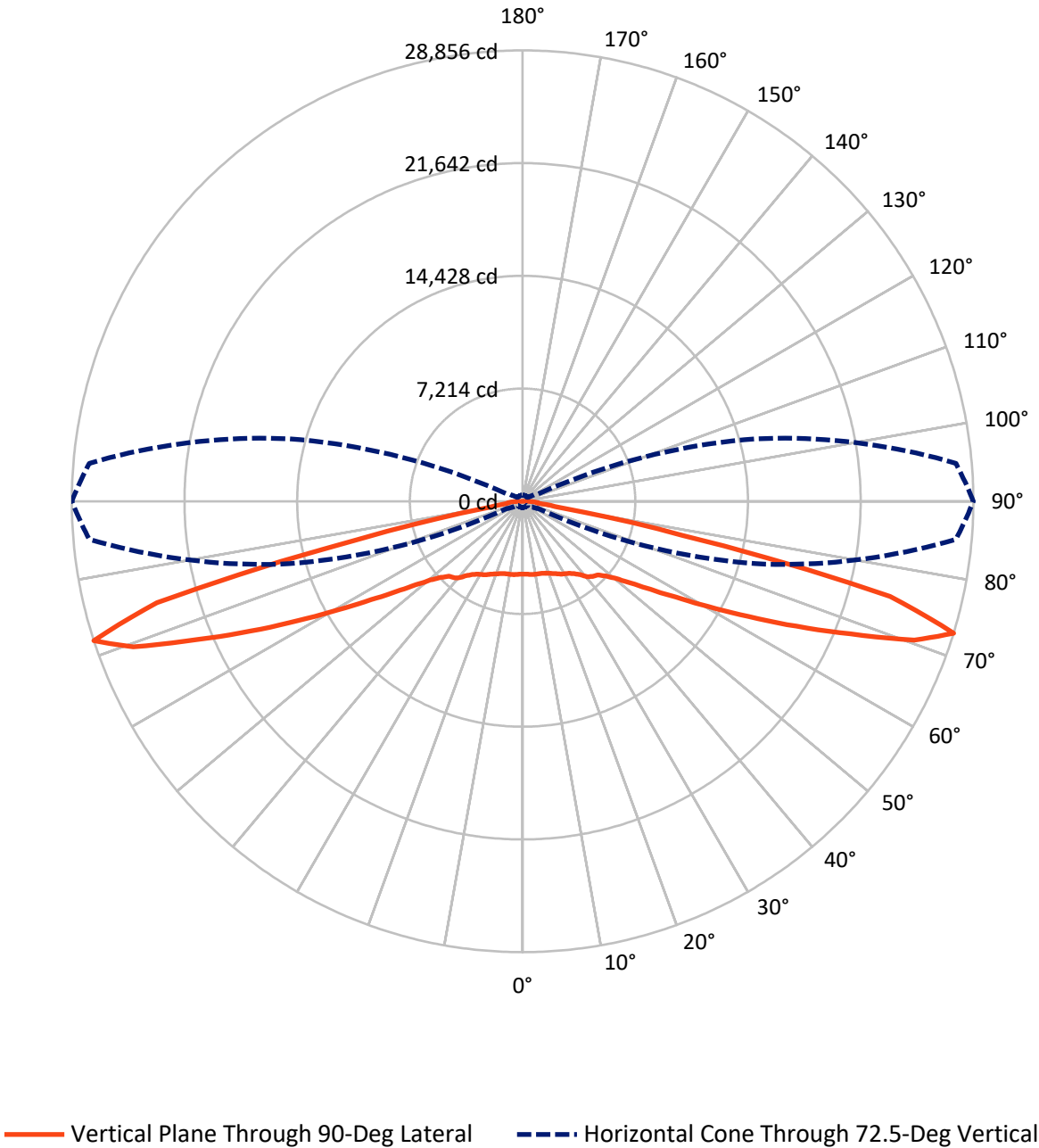
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type I - Short - N/A

REPORT NUMBER: P942123
CATALOG NUMBER: GALN-SB6A-727-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P942123

CATALOG NUMBER: GALN-SB6A-727-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12480.0	0.0	12480.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12480.0	0.0	12480.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24960.0	0.0	24960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.2	1.8
10°-20°	1382.8	5.5
20°-30°	2305.6	9.2
30°-40°	3170.9	12.7
40°-50°	3872.6	15.5
50°-60°	4479.1	17.9
60°-70°	5340.5	21.4
70°-80°	3727.3	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°	24960.0	100.0
0°-180°	24960.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942123

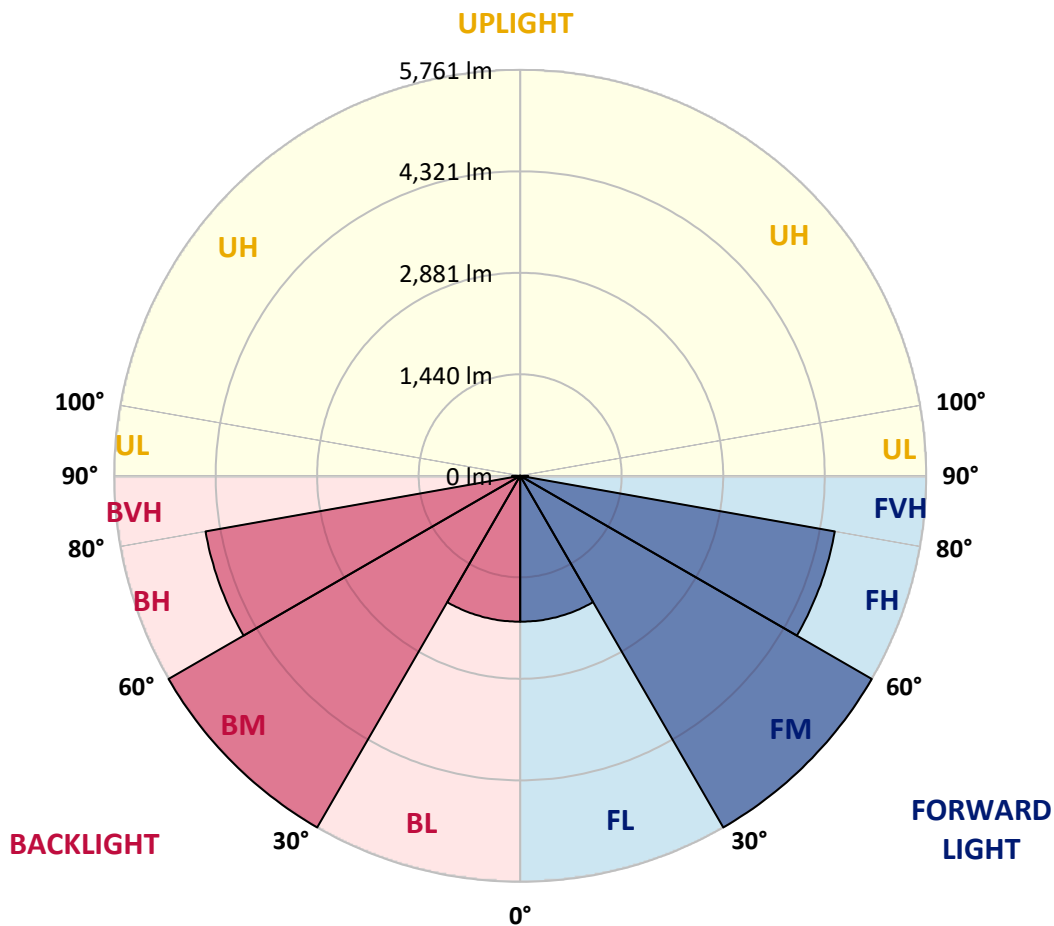
CATALOG NUMBER: GALN-SB6A-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2070.3	8.3			
FM	(30°-60°)	5761.3	23.1			
FH	(60°-80°)	4533.9	18.2			G2/5000
FVH	(80°-90°)	114.5	0.5			G2/225
BL	(0°-30°)	2070.3	8.3	B3/2500		
BM	(30°-60°)	5761.3	23.1	B4/8500		
BH	(60°-80°)	4533.9	18.2	B4/5000		G4/5000
BVH	(80°-90°)	114.5	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



REPORT NUMBER: P942123

CATALOG NUMBER: GALN-SB6A-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0	4664.0
2.5°	4668.0	4673.3	4673.3	4669.3	4678.6	4670.7	4670.7	4666.7	4670.7	4666.7	4666.7
5°	4691.9	4698.5	4701.2	4699.9	4711.8	4705.2	4705.2	4699.9	4701.2	4697.2	4697.2
7.5°	4737.0	4746.3	4751.6	4758.2	4775.5	4767.5	4762.2	4746.3	4739.7	4729.0	4729.0
10°	4751.6	4762.2	4779.4	4813.9	4853.7	4855.1	4839.1	4799.3	4768.8	4745.0	4741.0
12.5°	4706.5	4721.1	4756.9	4827.2	4916.1	4951.9	4926.7	4860.4	4800.7	4758.2	4751.6
15°	4649.4	4665.4	4719.8	4825.9	4957.2	5040.8	5038.1	4950.6	4855.1	4788.7	4778.1
17.5°	4560.6	4576.5	4654.8	4803.3	4989.0	5127.0	5164.1	5073.9	4940.0	4851.1	4836.5
20°	4400.1	4414.7	4523.4	4731.7	4999.6	5218.5	5315.4	5235.8	5068.6	4947.9	4925.4
22.5°	4191.8	4214.3	4341.7	4608.3	4974.4	5314.0	5487.8	5433.4	5218.5	5051.4	5020.9
25°	3968.9	3992.8	4141.4	4457.1	4909.4	5383.0	5692.1	5657.6	5388.3	5180.1	5137.6
27.5°	3776.6	3801.8	3963.6	4307.2	4808.6	5409.5	5893.7	5911.0	5593.9	5322.0	5276.9
30°	3625.4	3649.3	3821.7	4186.5	4678.6	5383.0	6070.1	6189.5	5803.5	5445.4	5380.4
32.5°	3459.6	3490.1	3671.8	4039.2	4524.8	5319.3	6224.0	6490.7	6046.3	5578.0	5495.8
35°	3250.0	3277.8	3468.8	3837.6	4323.1	5217.2	6352.7	6824.9	6393.8	5779.6	5688.1
37.5°	2995.3	3021.8	3211.5	3585.6	4122.8	5073.9	6450.9	7201.7	6807.7	6070.1	5948.1
40°	2739.3	2764.5	2942.2	3304.4	3882.7	4890.9	6485.3	7570.4	7282.6	6469.4	6339.4
42.5°	2504.5	2527.0	2690.2	3027.1	3613.4	4657.4	6440.2	7891.5	7708.4	6748.0	6580.9
45°	2288.2	2308.1	2452.7	2767.1	3333.5	4373.5	6304.9	8236.4	8215.1	6947.0	6721.5
47.5°	2041.5	2061.4	2211.3	2515.1	3053.6	4040.6	6075.5	8575.9	8919.5	7398.0	7138.0
50°	1740.4	1757.6	1911.5	2224.6	2763.1	3686.4	5757.1	8842.6	9808.3	8081.2	7754.8
52.5°	1383.6	1402.1	1552.0	1865.1	2418.2	3305.7	5337.9	9016.3	10835.0	9078.7	8676.8
55°	1029.4	1042.6	1172.6	1453.9	1991.1	2871.9	4812.6	9065.4	11999.7	10442.4	9939.6
57.5°	746.8	754.8	838.4	1047.9	1509.6	2329.4	4174.6	8938.1	13385.9	12190.7	11558.0
60°	604.9	607.5	632.7	725.6	1049.3	1716.5	3403.8	8500.3	14890.2	14444.5	13647.2
62.5°	549.2	549.2	555.8	581.0	709.7	1132.8	2471.3	7593.0	16503.2	17292.5	16224.6
65°	510.7	510.7	513.4	525.3	559.8	721.6	1560.0	6115.3	17862.9	20628.7	19278.3
67.5°	476.2	477.5	476.2	480.2	500.1	533.3	904.7	4223.6	18595.1	24085.6	22627.8
70°	440.4	443.1	436.4	436.4	452.3	453.7	566.4	2316.1	17987.6	26982.7	26599.4
72.5°	398.0	401.9	391.3	388.7	400.6	395.3	425.8	1111.6	15443.3	27847.6	28855.8
75°	360.8	366.1	342.2	335.6	335.6	331.6	346.2	570.4	10023.2	22716.6	24297.8
77.5°	327.7	338.3	299.8	278.6	273.3	261.3	282.5	348.9	4384.1	10665.2	10443.7
80°	270.6	285.2	246.7	221.5	212.2	199.0	222.9	244.1	1304.0	2476.6	2371.8
82.5°	201.6	208.3	175.1	157.9	149.9	140.6	167.1	169.8	424.5	876.8	990.9
85°	128.7	131.3	107.4	92.9	88.9	84.9	106.1	92.9	161.8	644.7	936.5
87.5°	45.1	51.7	41.1	37.1	39.8	33.2	49.1	27.9	45.1	455.0	563.8
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)