

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: P530956

Luminaire Tested: **GALN-SA6B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23940 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

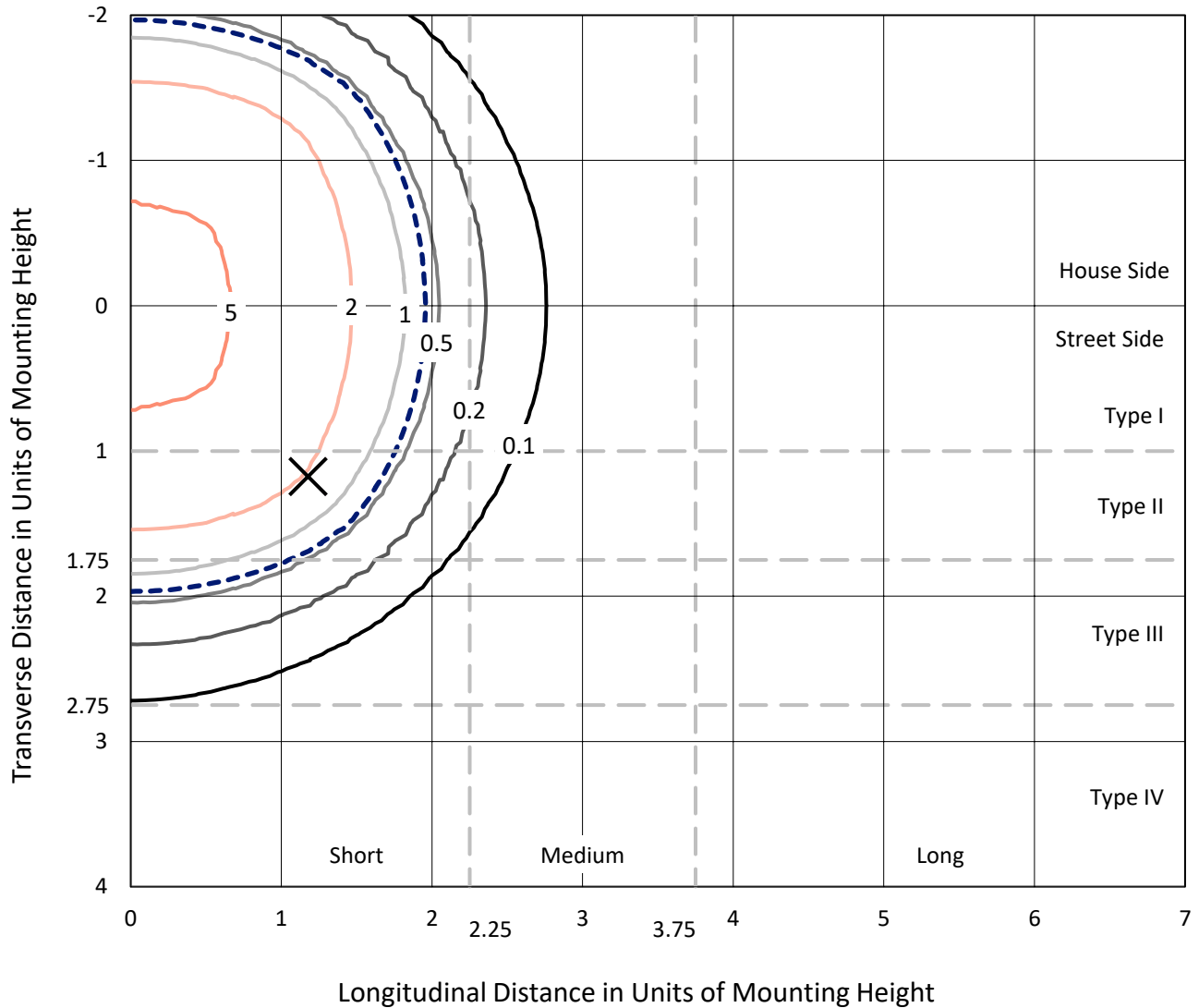
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

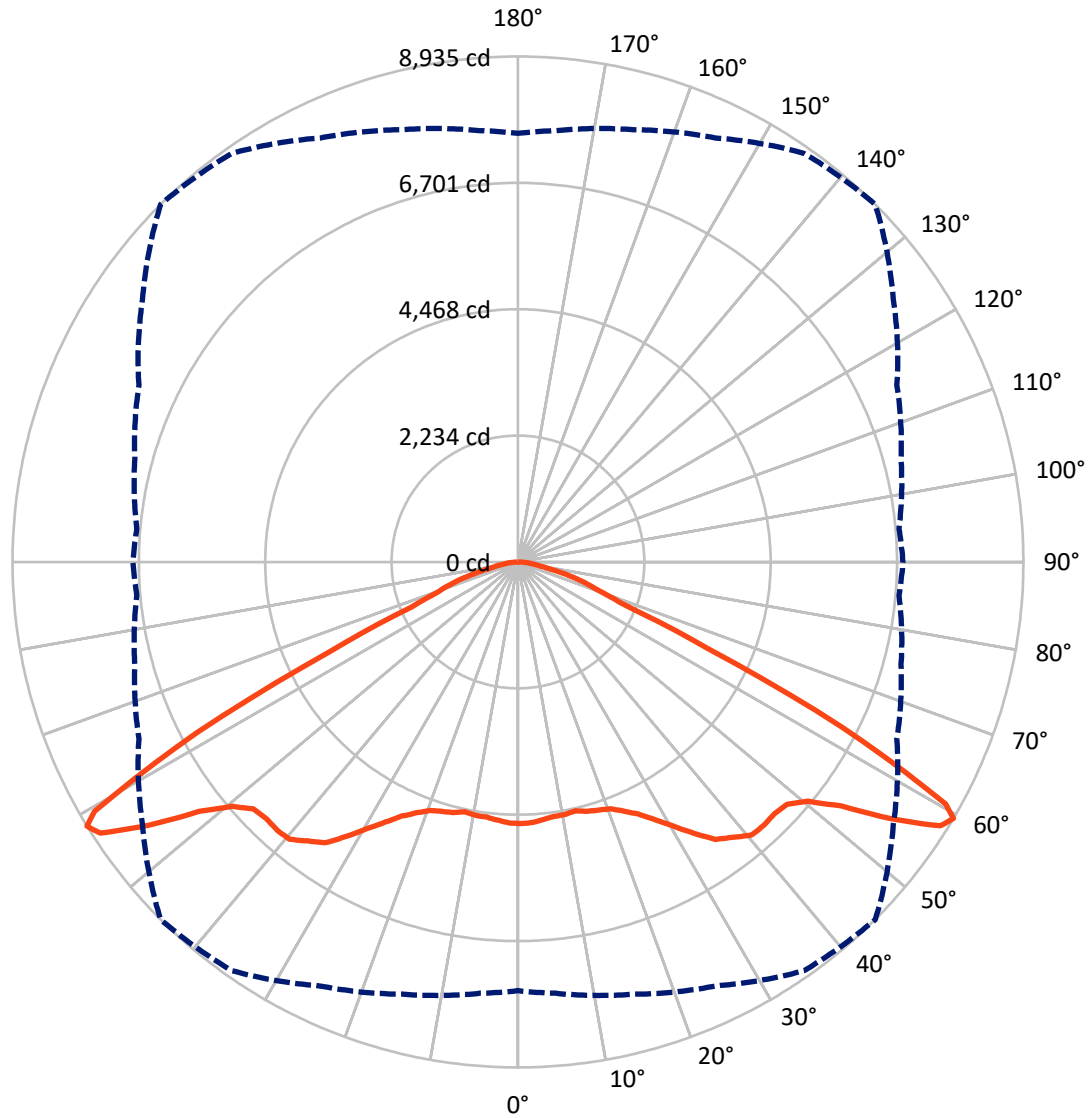
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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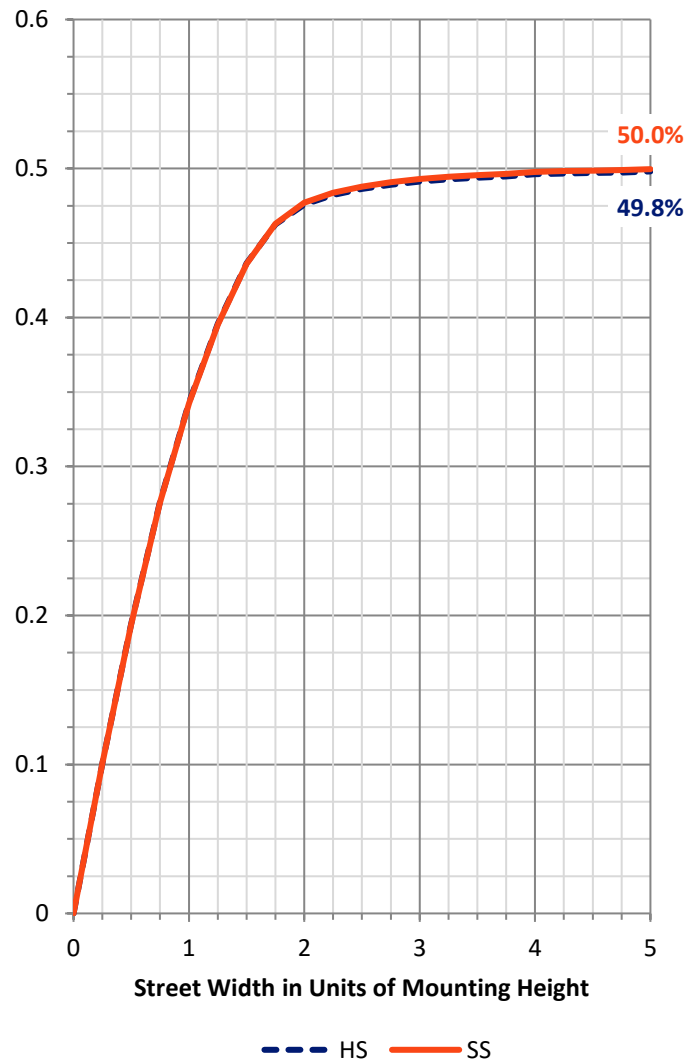
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11970.0	0.0	11970.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11970.0	0.0	11970.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23940.0	0.0	23940.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.9	1.8
10°-20°	1296.3	5.4
20°-30°	2263.5	9.5
30°-40°	3615.1	15.1
40°-50°	4924.5	20.6
50°-60°	6659.2	27.8
60°-70°	3651.9	15.3
70°-80°	934.3	3.9
80°-90°	159.3	0.7
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°	23940.0	100.0
0°-180°	23940.0	100.0



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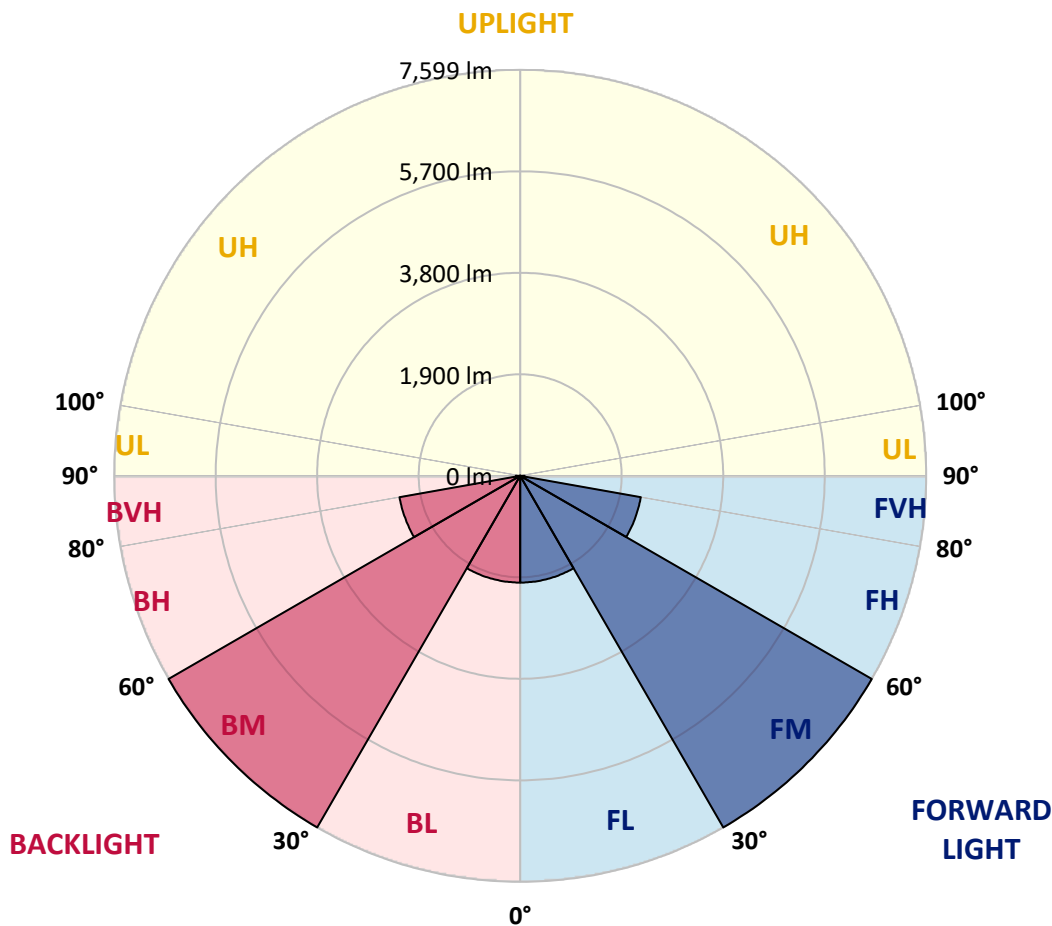
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1997.8	8.3			
FM (30°-60°)	7599.4	31.7			
FH (60°-80°)	2293.1	9.6			G2/5000
FVH (80°-90°)	79.7	0.3			G1/100
BL (0°-30°)	1997.8	8.3	B3/2500		
BM (30°-60°)	7599.4	31.7	B4/8500		
BH (60°-80°)	2293.1	9.6	B3/2500		G2/5000
BVH (80°-90°)	79.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1	4624.1
2.5°	4596.4	4630.2	4605.7	4627.1	4624.1	4614.9	4599.5	4590.3	4578.0	4596.4	4565.8
5°	4578.0	4605.7	4633.3	4596.4	4596.4	4578.0	4568.8	4550.4	4550.4	4547.4	4544.3
7.5°	4608.7	4581.1	4568.8	4575.0	4581.1	4541.2	4568.8	4532.0	4501.3	4522.8	4547.4
10°	4581.1	4593.4	4547.4	4568.8	4535.1	4541.2	4522.8	4547.4	4513.6	4513.6	4513.6
12.5°	4608.7	4575.0	4590.3	4575.0	4565.8	4513.6	4538.1	4510.5	4507.5	4538.1	4510.5
15°	4664.0	4608.7	4596.4	4565.8	4575.0	4575.0	4550.4	4553.5	4519.7	4538.1	4544.3
17.5°	4645.5	4614.9	4605.7	4568.8	4599.5	4608.7	4562.7	4532.0	4553.5	4550.4	4547.4
20°	4660.9	4673.2	4664.0	4670.1	4682.4	4657.8	4614.9	4571.9	4544.3	4584.2	4581.1
22.5°	4759.1	4746.8	4740.7	4734.5	4756.0	4780.6	4722.3	4654.7	4654.7	4682.4	4694.6
25°	4838.9	4835.8	4832.7	4860.3	4934.0	4934.0	4860.3	4774.4	4752.9	4771.3	4756.0
27.5°	4955.4	4989.2	4976.9	5026.0	5133.4	5158.0	5059.8	4958.5	4900.2	4878.7	4906.4
30°	5222.4	5182.5	5191.7	5243.9	5339.0	5418.8	5268.4	5161.0	5081.3	5078.2	5090.5
32.5°	5400.4	5431.0	5458.7	5507.8	5658.1	5719.5	5538.4	5363.5	5314.5	5286.8	5296.0
35°	5756.3	5728.7	5722.5	5771.6	5922.0	6023.2	5796.2	5642.8	5578.3	5639.7	5639.7
37.5°	6093.8	6017.1	5958.8	6023.2	6161.3	6173.6	5980.3	5897.4	5863.7	5934.3	5931.2
40°	6253.4	6247.2	6112.2	6149.1	6333.2	6351.6	6170.5	6072.3	6066.2	6158.3	6250.3
42.5°	6419.1	6360.8	6225.8	6250.3	6363.8	6370.0	6198.1	6170.5	6238.0	6327.0	6333.2
45°	6446.7	6397.6	6311.7	6250.3	6333.2	6351.6	6250.3	6268.7	6274.9	6382.3	6382.3
47.5°	6501.9	6495.8	6446.7	6400.7	6416.0	6400.7	6336.2	6363.8	6455.9	6508.1	6483.5
50°	6655.3	6590.9	6640.0	6600.1	6603.2	6646.1	6587.8	6615.4	6597.0	6551.0	6520.3
52.5°	6992.9	6962.2	7005.1	7032.7	7063.4	7161.6	7094.1	6946.8	6808.8	6686.0	6683.0
55°	7486.9	7508.3	7591.2	7732.3	7852.0	8008.5	7683.2	7330.4	7109.5	6916.2	6928.4
57.5°	7953.3	7937.9	8051.5	8373.6	8723.4	8803.2	8165.0	7661.8	7302.8	7180.0	7127.9
59°	7578.9	7652.6	7910.3	8269.3	8818.6	8935.2	8100.5	7391.8	7011.3	6762.7	6805.7
60°	6989.8	7017.4	7247.5	7747.7	8490.2	8689.7	7667.9	6974.4	6468.2	6324.0	6388.4
62.5°	4940.1	4918.6	5084.3	5492.4	6158.3	6428.3	5701.1	5213.2	4894.1	4734.5	4771.3
65°	2626.5	2724.7	2792.2	3046.9	3399.8	3685.1	3384.4	3172.7	2994.7	2862.8	2859.7
67.5°	1773.5	1761.3	1776.6	1834.9	1954.6	2034.3	2028.2	1920.8	1905.5	1880.9	1908.5
70°	1494.3	1488.2	1460.6	1460.6	1485.1	1503.5	1525.0	1537.3	1561.8	1592.5	1589.4
72.5°	1212.0	1196.7	1178.3	1169.1	1199.7	1208.9	1236.6	1248.8	1270.3	1267.2	1294.9
75°	800.8	800.8	822.3	846.9	856.1	874.5	877.6	914.4	914.4	920.5	896.0
77.5°	448.0	435.7	451.1	475.6	497.1	530.8	564.6	592.2	607.5	601.4	601.4
80°	260.8	260.8	276.2	303.8	331.4	362.1	386.6	408.1	423.4	417.3	405.0
82.5°	162.6	162.6	178.0	205.6	227.1	245.5	279.2	306.8	325.2	319.1	303.8
85°	82.8	82.8	101.3	119.7	147.3	159.6	156.5	144.2	141.1	125.8	125.8
87.5°	21.5	21.5	30.7	33.8	27.6	30.7	30.7	30.7	30.7	30.7	33.8
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)