

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: P533759

Luminaire Tested: **GALN-SA9B-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25891 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

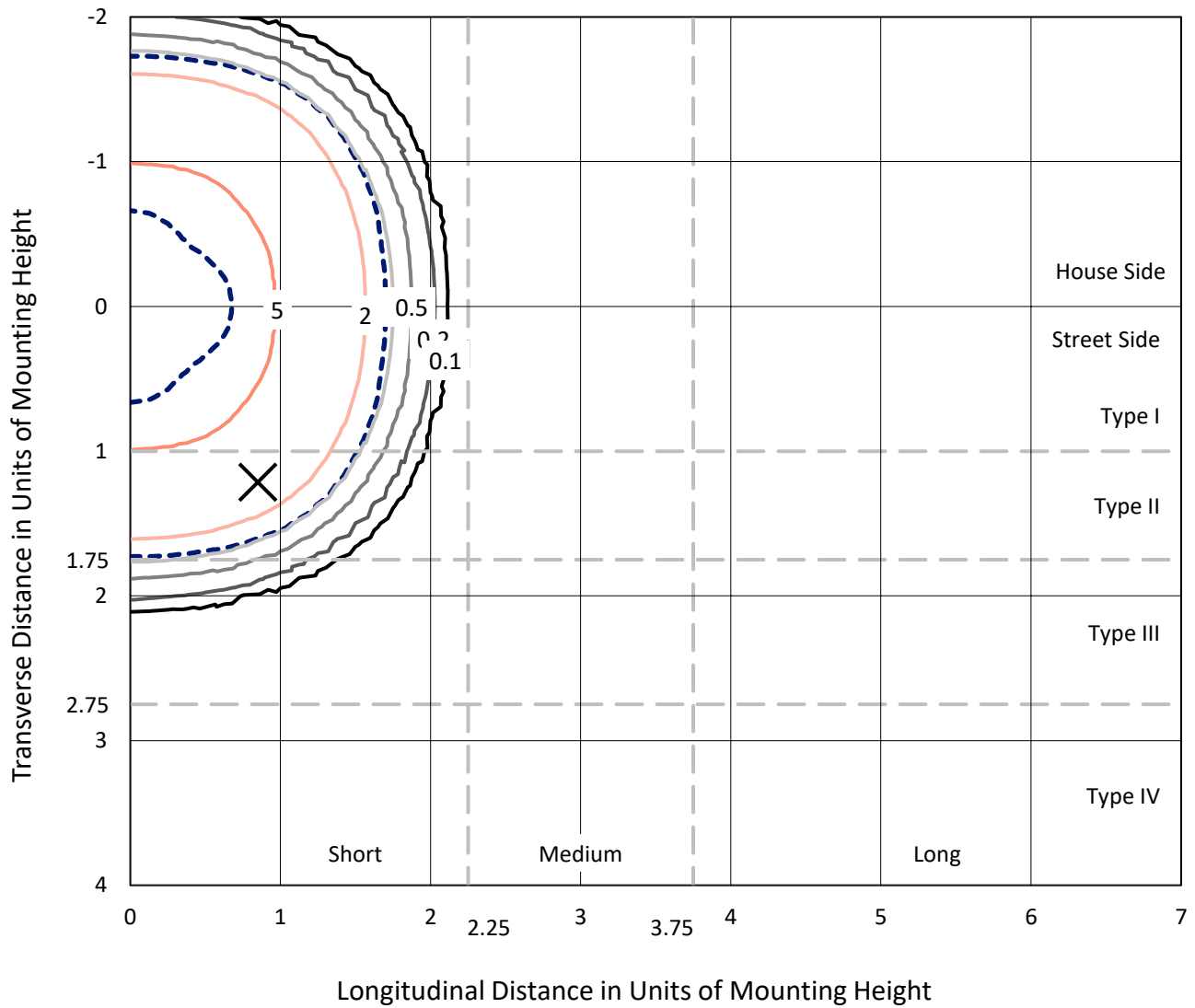
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533759
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Iso-Footcandle Lines of Horizontal Illumination

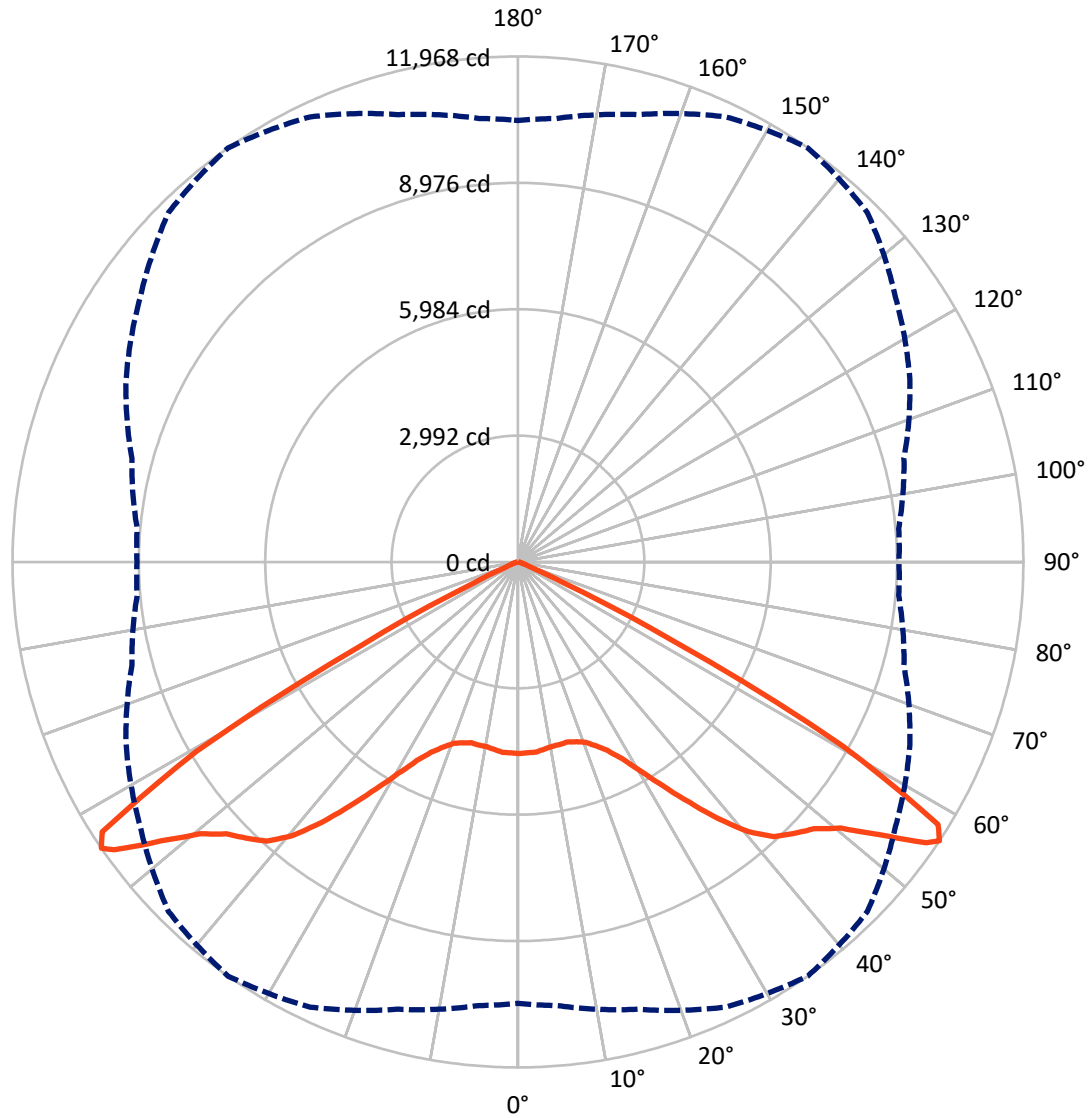
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

REPORT NUMBER: P533759
CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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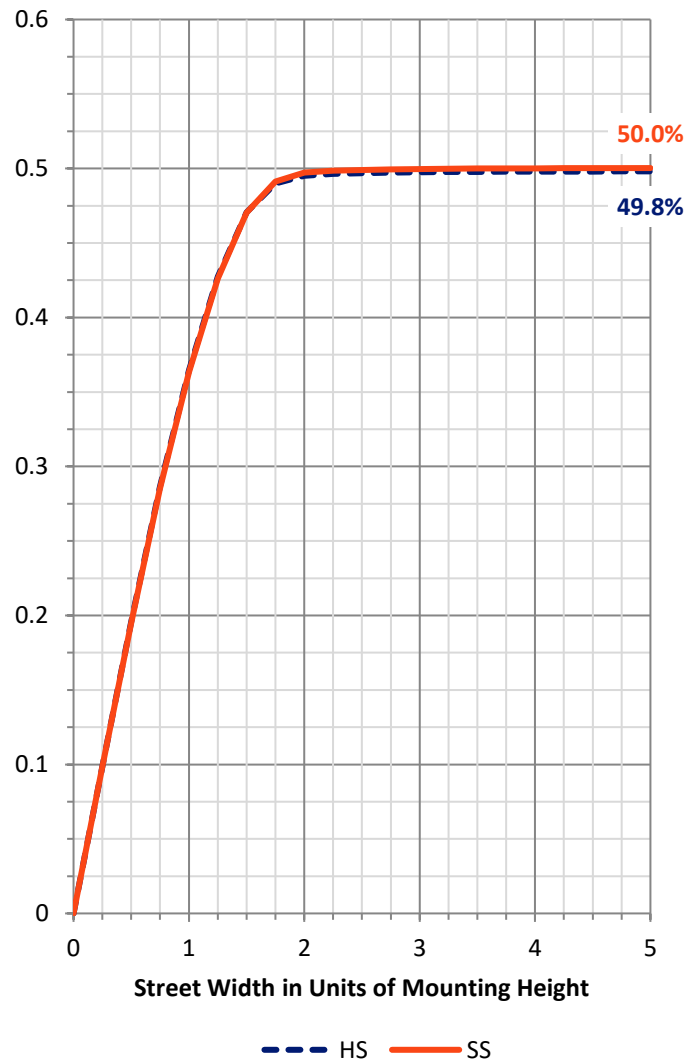
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12945.5	0.0	12945.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12945.5	0.0	12945.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25891.0	0.0	25891.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	1.6
10°-20°	1244.8	4.8
20°-30°	2254.2	8.7
30°-40°	4180.1	16.1
40°-50°	6861.3	26.5
50°-60°	8839.4	34.1
60°-70°	1948.1	7.5
70°-80°	113.0	0.4
80°-90°	23.8	0.1
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°	25891.0	100.0
0°-180°	25891.0	100.0



REPORT NUMBER: P533759

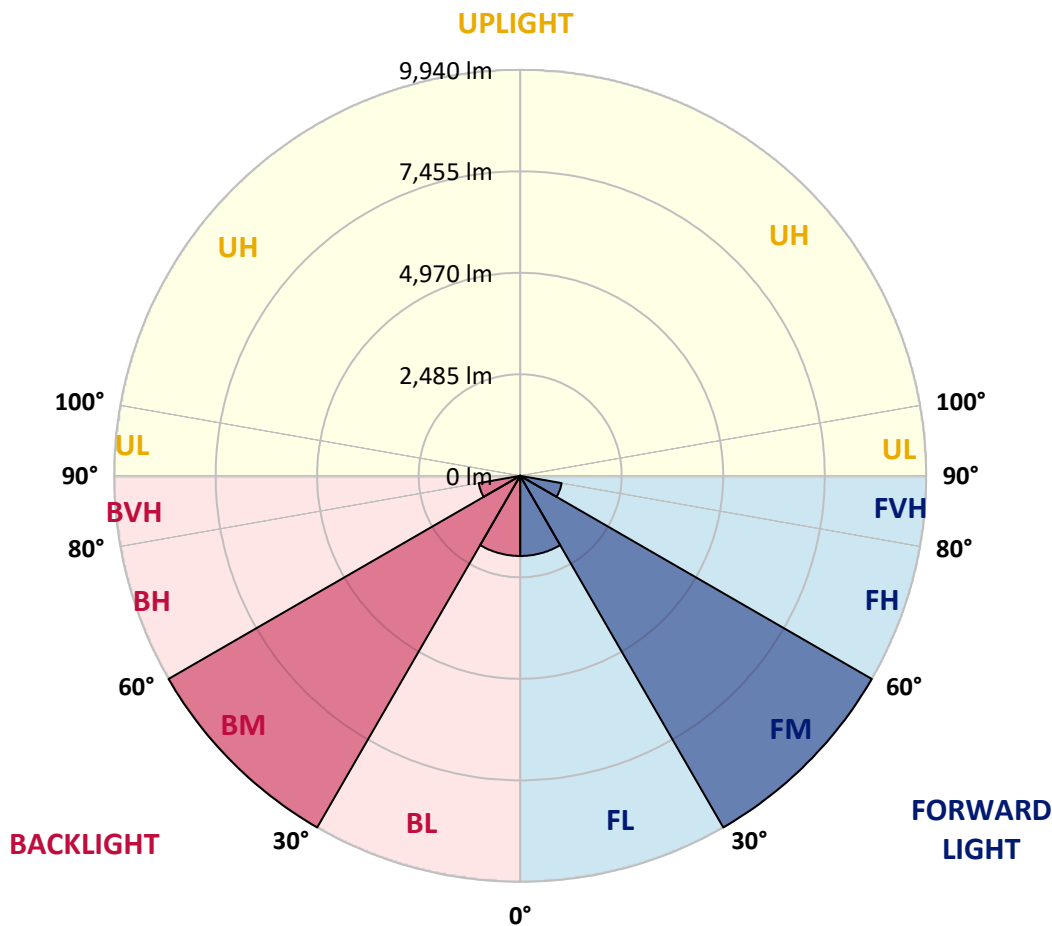
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1962.7	7.6			
FM (30°-60°)	9940.4	38.4			
FH (60°-80°)	1030.6	4.0			G1/1800
FVH (80°-90°)	11.9	0.0			G1/100
BL (0°-30°)	1962.7	7.6	B3/2500		
BM (30°-60°)	9940.4	38.4	B5		
BH (60°-80°)	1030.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	11.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7	4536.7
2.5°	4546.0	4546.0	4550.7	4555.4	4522.6	4508.5	4513.2	4503.8	4499.1	4513.2	4513.2
5°	4532.0	4532.0	4517.9	4522.6	4522.6	4480.4	4480.4	4489.7	4489.7	4461.6	4452.2
7.5°	4494.4	4485.1	4466.3	4489.7	4475.7	4475.7	4442.8	4419.4	4410.0	4428.8	4410.0
10°	4414.7	4419.4	4438.1	4447.5	4438.1	4466.3	4410.0	4377.1	4344.3	4330.2	4330.2
12.5°	4377.1	4405.3	4377.1	4400.6	4433.4	4410.0	4377.1	4353.7	4306.8	4288.0	4288.0
15°	4372.5	4391.2	4400.6	4433.4	4419.4	4428.8	4363.1	4334.9	4264.6	4231.7	4217.6
17.5°	4367.8	4391.2	4405.3	4466.3	4475.7	4480.4	4428.8	4344.3	4283.3	4250.5	4217.6
20°	4419.4	4428.8	4456.9	4517.9	4555.4	4621.1	4527.3	4438.1	4306.8	4269.2	4255.2
22.5°	4485.1	4532.0	4560.1	4625.8	4724.3	4780.6	4658.6	4546.0	4410.0	4363.1	4306.8
25°	4696.2	4686.8	4733.7	4869.8	4949.5	4991.7	4893.2	4729.0	4550.7	4494.4	4503.8
27.5°	4958.9	4968.3	5010.5	5160.6	5277.9	5343.6	5226.3	5010.5	4836.9	4743.1	4733.7
30°	5301.4	5292.0	5338.9	5540.6	5751.8	5850.3	5643.8	5390.5	5221.6	5099.6	5127.8
32.5°	5662.6	5667.3	5798.7	5981.6	6324.1	6516.5	6183.4	5873.7	5620.4	5535.9	5493.7
35°	6197.4	6220.9	6324.1	6605.6	6985.6	7234.3	6868.3	6497.7	6206.8	6052.0	6070.8
37.5°	6858.9	6835.5	7009.1	7314.0	7712.8	7895.8	7586.1	7163.9	6868.3	6765.1	6830.8
40°	7562.7	7586.1	7675.3	7952.1	8397.7	8519.7	8060.0	7830.1	7572.0	7520.4	7600.2
42.5°	8266.4	8252.3	8318.0	8566.6	8890.4	8805.9	8533.8	8397.7	8214.8	8111.6	8219.5
45°	8782.4	8759.0	8881.0	9049.9	9167.1	9007.6	8885.7	8838.7	8744.9	8632.3	8730.8
47.5°	9284.4	9265.7	9383.0	9429.9	9439.3	9228.1	9251.6	9336.0	9101.5	8866.9	8979.5
50°	9711.4	9678.5	9824.0	9927.2	9903.7	9565.9	9650.4	9565.9	9200.0	8923.2	8881.0
52.5°	10424.5	10438.5	10593.4	10781.0	10724.7	10443.2	10321.3	9936.6	9467.4	9218.8	9073.3
55°	10874.8	10804.5	11071.9	11667.7	11733.4	11442.5	10903.0	10335.3	9631.6	9326.7	9289.1
56°	10452.6	10541.8	10964.0	11630.2	11968.0	11700.5	10917.1	10236.8	9462.7	9049.9	9021.7
57.5°	9378.3	9331.4	9903.7	10813.9	11733.4	11620.8	10532.4	9533.1	8632.3	8167.9	8111.6
60°	5836.2	5972.3	6474.2	7600.2	8829.4	8885.7	7806.6	6948.1	5897.2	5484.3	5582.9
62.5°	2284.8	2167.5	2481.8	3321.6	4166.0	4353.7	3945.5	3279.3	2692.9	2284.8	2256.6
65°	530.1	516.1	581.7	802.2	1121.3	1299.5	1233.9	886.7	652.1	619.3	572.4
67.5°	300.3	300.3	286.2	286.2	314.3	333.1	319.0	314.3	328.4	342.5	337.8
70°	211.1	206.4	197.0	201.7	192.4	192.4	206.4	229.9	248.6	248.6	253.3
72.5°	126.7	126.7	126.7	140.7	140.7	140.7	154.8	173.6	178.3	173.6	168.9
75°	56.3	56.3	65.7	79.8	89.1	93.8	107.9	117.3	126.7	117.3	107.9
77.5°	14.1	14.1	23.5	32.8	42.2	51.6	70.4	84.4	89.1	84.4	70.4
80°	4.7	4.7	9.4	23.5	42.2	51.6	70.4	75.1	79.8	70.4	56.3
82.5°	4.7	4.7	9.4	23.5	32.8	42.2	56.3	65.7	70.4	61.0	56.3
85°	0.0	4.7	9.4	18.8	28.1	37.5	37.5	28.1	23.5	14.1	18.8
87.5°	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)