

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: P529920

Luminaire Tested: **GALN-SA5A-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20067 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

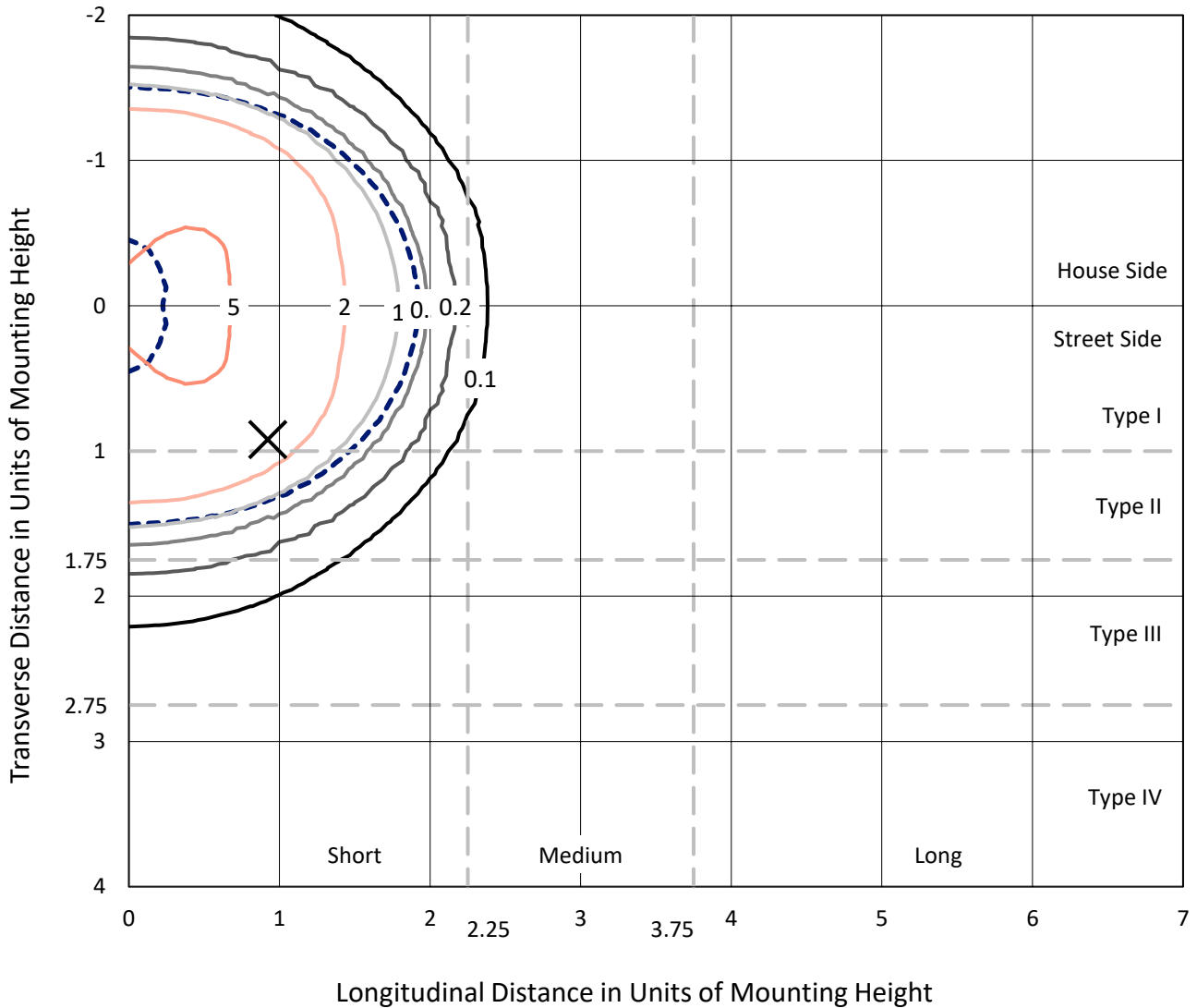
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

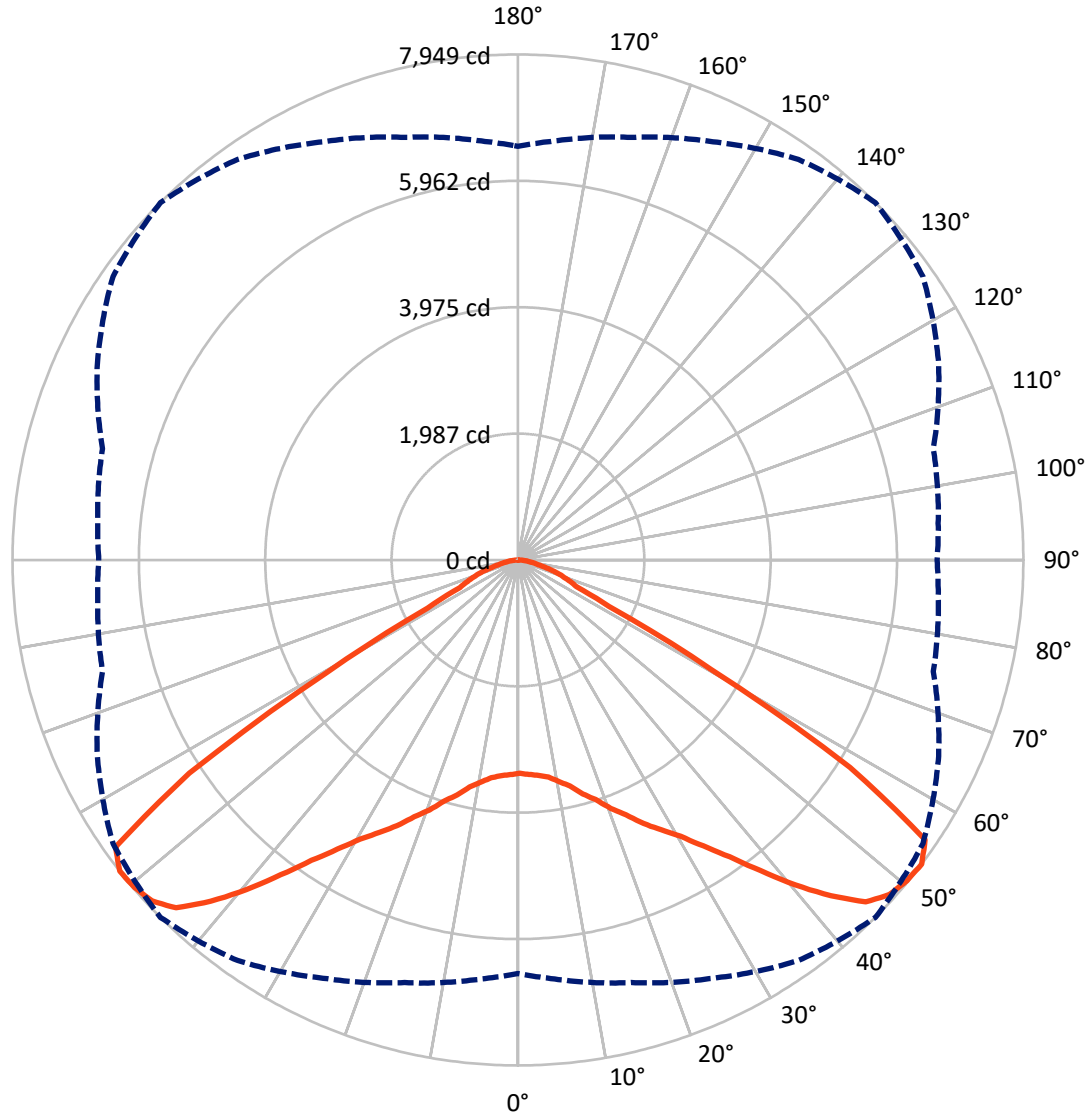
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10033.5	0.0	10033.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10033.5	0.0	10033.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20067.0	0.0	20067.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.6	1.6
10°-20°	1082.9	5.4
20°-30°	2061.8	10.3
30°-40°	3540.2	17.6
40°-50°	5441.3	27.1
50°-60°	5525.6	27.5
60°-70°	1539.9	7.7
70°-80°	454.3	2.3
80°-90°	91.5	0.5
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°	20067.0	100.0
0°-180°	20067.0	100.0

Coefficient of Utilization



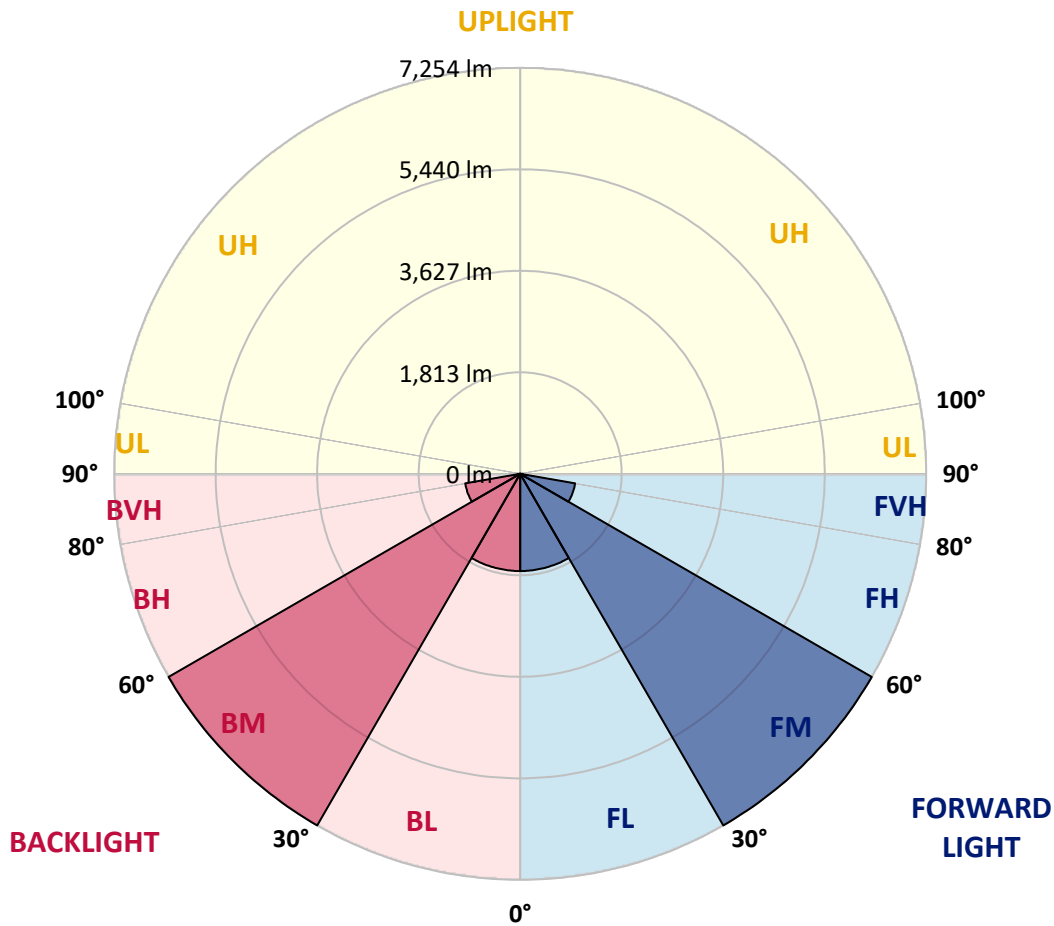
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1737.1	8.7			
FM (30°-60°)	7253.5	36.1			
FH (60°-80°)	997.1	5.0			G1/1800
FVH (80°-90°)	45.7	0.2			G1/100
BL (0°-30°)	1737.1	8.7	B3/2500		
BM (30°-60°)	7253.5	36.1	B4/8500		
BH (60°-80°)	997.1	5.0	B2/1000		G1/1800
BVH (80°-90°)	45.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5	3354.5
2.5°	3361.9	3327.1	3339.5	3347.0	3379.4	3376.9	3369.4	3379.4	3389.3	3391.8	3386.8
5°	3359.4	3334.5	3344.5	3352.0	3384.3	3401.8	3396.8	3439.1	3469.0	3461.5	3498.9
7.5°	3339.5	3354.5	3342.0	3379.4	3406.8	3449.1	3493.9	3533.8	3571.1	3613.5	3620.9
10°	3384.3	3384.3	3406.8	3436.6	3508.9	3541.2	3606.0	3663.3	3735.5	3785.3	3765.4
12.5°	3431.7	3439.1	3439.1	3516.3	3576.1	3648.3	3708.1	3785.3	3887.4	3947.2	3977.0
15°	3479.0	3484.0	3508.9	3613.5	3703.1	3817.7	3872.5	3942.2	3999.5	4111.5	4114.0
17.5°	3521.3	3548.7	3623.4	3740.5	3852.5	3962.1	4049.3	4121.5	4171.3	4216.1	4206.2
20°	3680.7	3700.6	3777.8	3894.9	4061.7	4168.8	4198.7	4211.1	4243.5	4333.2	4305.8
22.5°	3835.1	3842.6	3914.8	4094.1	4211.1	4353.1	4385.5	4378.0	4390.4	4412.9	4452.7
25°	3994.5	4006.9	4106.5	4258.5	4422.8	4592.2	4619.5	4562.3	4544.8	4569.7	4572.2
27.5°	4198.7	4201.2	4328.2	4460.2	4646.9	4806.3	4848.7	4803.8	4721.7	4741.6	4773.9
30°	4457.7	4440.2	4567.3	4756.5	4953.3	5042.9	5115.1	5092.7	5003.1	4985.6	4958.2
32.5°	4756.5	4761.5	4876.1	5082.7	5212.2	5361.7	5438.9	5401.5	5344.2	5314.3	5331.8
35°	5177.4	5199.8	5277.0	5448.8	5658.0	5732.7	5854.7	5775.1	5625.6	5663.0	5695.4
37.5°	5523.5	5588.3	5732.7	5936.9	6061.4	6198.4	6243.2	6136.2	6026.6	5981.8	6088.8
40°	6054.0	6034.0	6193.4	6397.6	6581.9	6718.9	6661.6	6554.5	6283.1	6285.6	6315.5
42.5°	6509.7	6519.7	6641.7	6885.7	7137.3	7221.9	7040.1	6778.7	6477.3	6445.0	6509.7
45°	6893.2	6933.1	7002.8	7329.0	7575.6	7667.7	7331.5	7022.7	6619.3	6484.8	6591.9
47.5°	7030.2	7094.9	7246.8	7545.7	7789.7	7864.4	7595.5	7152.2	6751.3	6532.1	6589.4
50°	7050.1	7027.7	7276.7	7550.7	7764.8	7926.7	7690.1	7246.8	6718.9	6604.3	6586.9
52.5°	6504.7	6614.3	6880.8	7256.8	7690.1	7949.1	7774.8	7299.1	6763.7	6634.2	6591.9
55°	5264.5	5135.0	5620.7	6253.2	7050.1	7769.8	7744.9	7326.5	6791.1	6684.0	6626.7
57.5°	2938.6	2975.9	3249.9	3937.2	4965.7	6161.1	6885.7	7037.6	6778.7	6716.4	6746.3
60°	1359.7	1372.2	1489.2	1810.5	2448.0	3493.9	4447.7	5416.4	5862.2	5951.9	5951.9
62.5°	1013.6	1008.6	1038.5	1095.7	1230.2	1606.3	2144.2	2913.7	3526.3	3954.6	4066.7
65°	916.4	913.9	928.9	948.8	958.8	1011.1	1130.6	1367.2	1566.4	1681.0	1661.0
67.5°	801.9	799.4	804.4	816.8	834.3	861.7	891.5	941.3	1011.1	1006.1	993.6
70°	647.5	647.5	655.0	664.9	684.8	717.2	752.1	786.9	846.7	859.2	856.7
72.5°	478.1	470.7	485.6	505.5	525.5	565.3	602.7	635.0	677.4	689.8	684.8
75°	303.8	308.8	318.8	341.2	376.0	403.4	443.3	470.7	498.1	508.0	510.5
77.5°	169.3	174.3	191.8	219.1	254.0	283.9	318.8	341.2	358.6	361.1	363.6
80°	102.1	104.6	122.0	146.9	176.8	209.2	236.6	259.0	273.9	266.5	264.0
82.5°	62.3	64.7	79.7	102.1	127.0	151.9	181.8	201.7	216.7	206.7	196.7
85°	32.4	34.9	47.3	62.3	82.2	94.6	94.6	84.7	82.2	77.2	74.7
87.5°	10.0	10.0	12.5	14.9	12.5	14.9	17.4	19.9	19.9	22.4	19.9
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)