

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: P530726

Luminaire Tested: **GALN-SA6A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530726
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-SA6A-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 19872 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

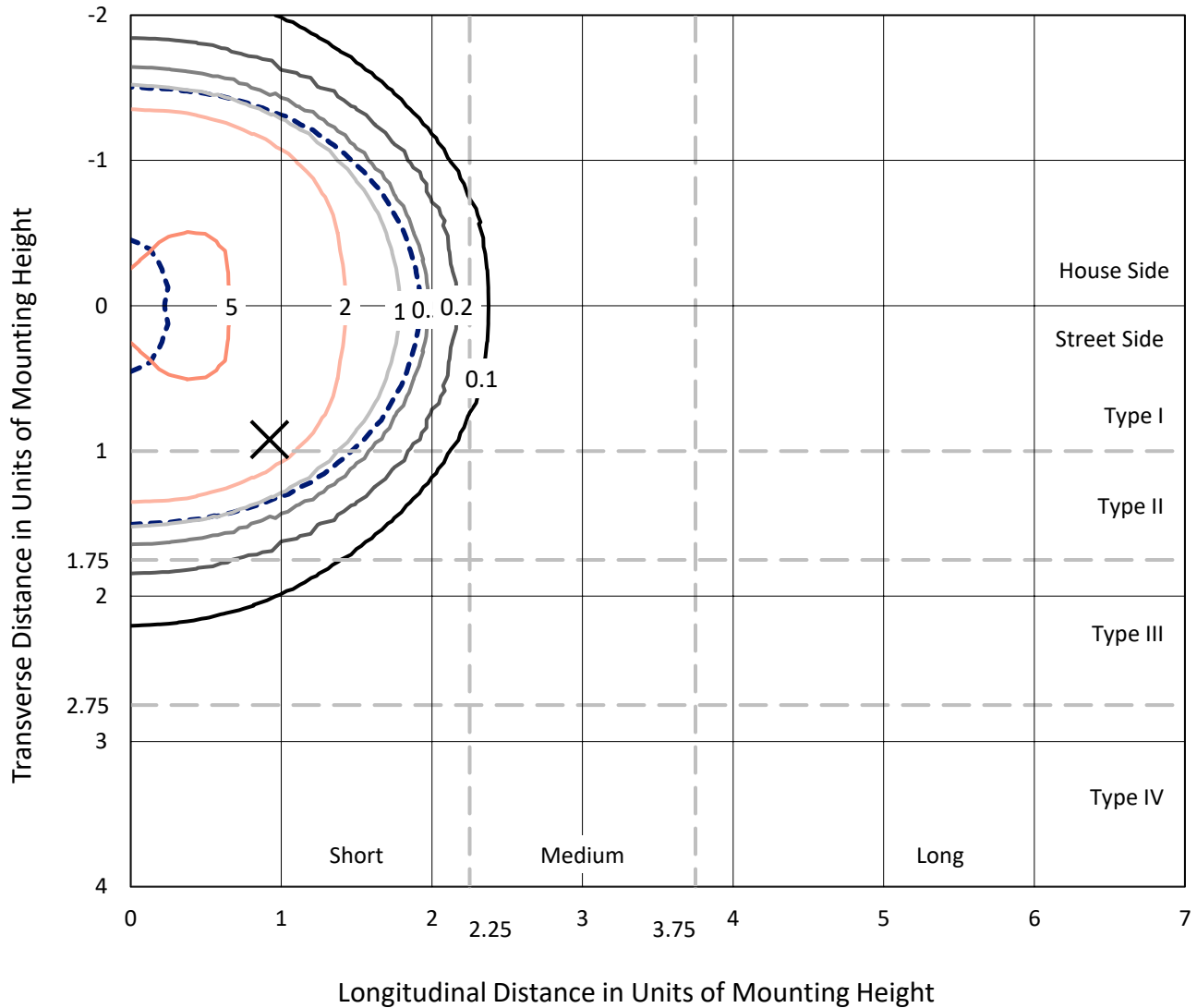
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530726
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Iso-Footcandle Lines of Horizontal Illumination

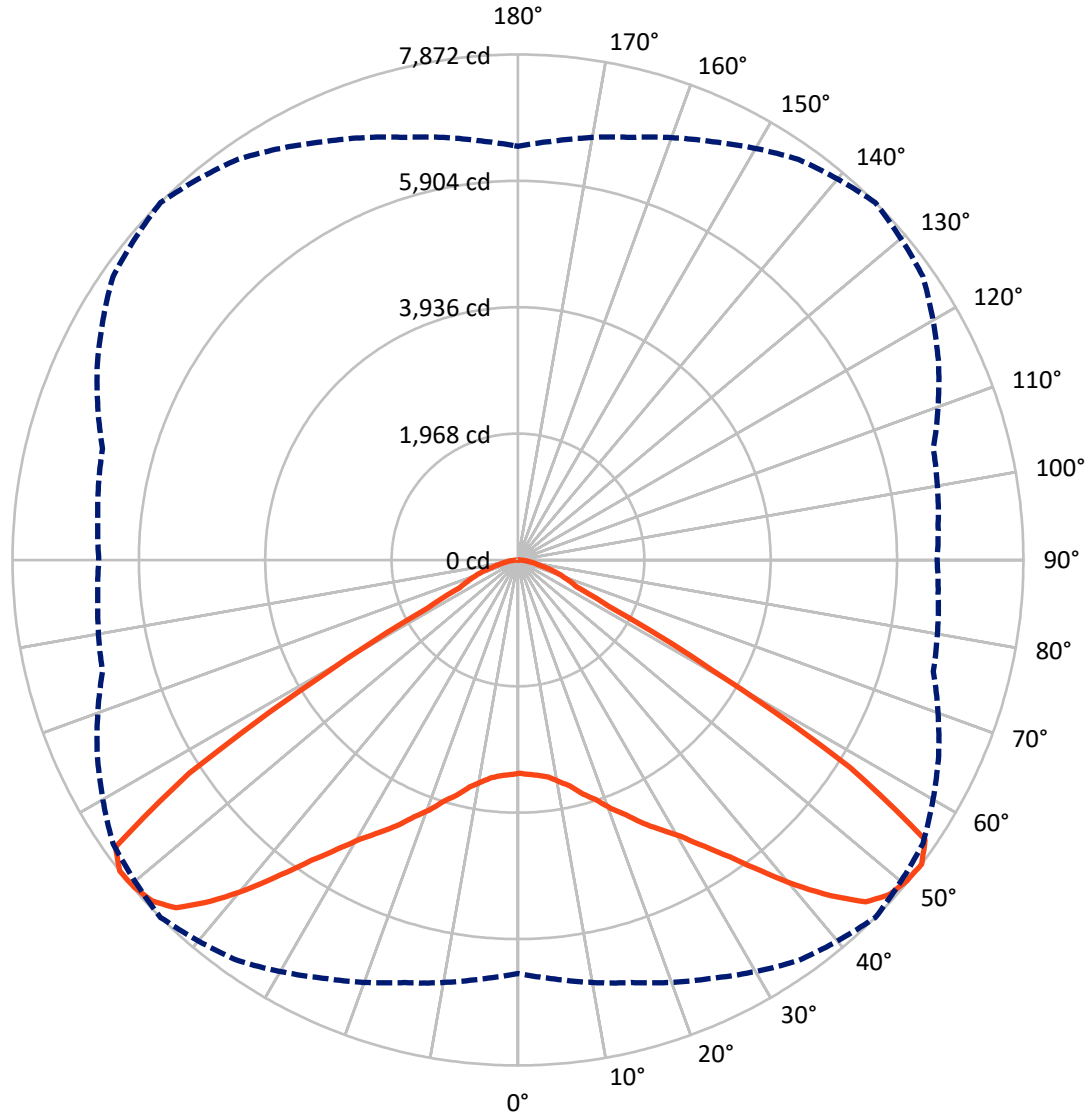
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P530726
CATALOG NUMBER: GALN-SA6A-727-U-RW-GRSWH

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	9936.0	0.0	9936.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9936.0	0.0	9936.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19872.0	0.0	19872.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	1.6
10°-20°	1072.4	5.4
20°-30°	2041.7	10.3
30°-40°	3505.8	17.6
40°-50°	5388.5	27.1
50°-60°	5471.9	27.5
60°-70°	1524.9	7.7
70°-80°	449.8	2.3
80°-90°	90.6	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°	19872.0	100.0
0°-180°	19872.0	100.0



REPORT NUMBER: P530726

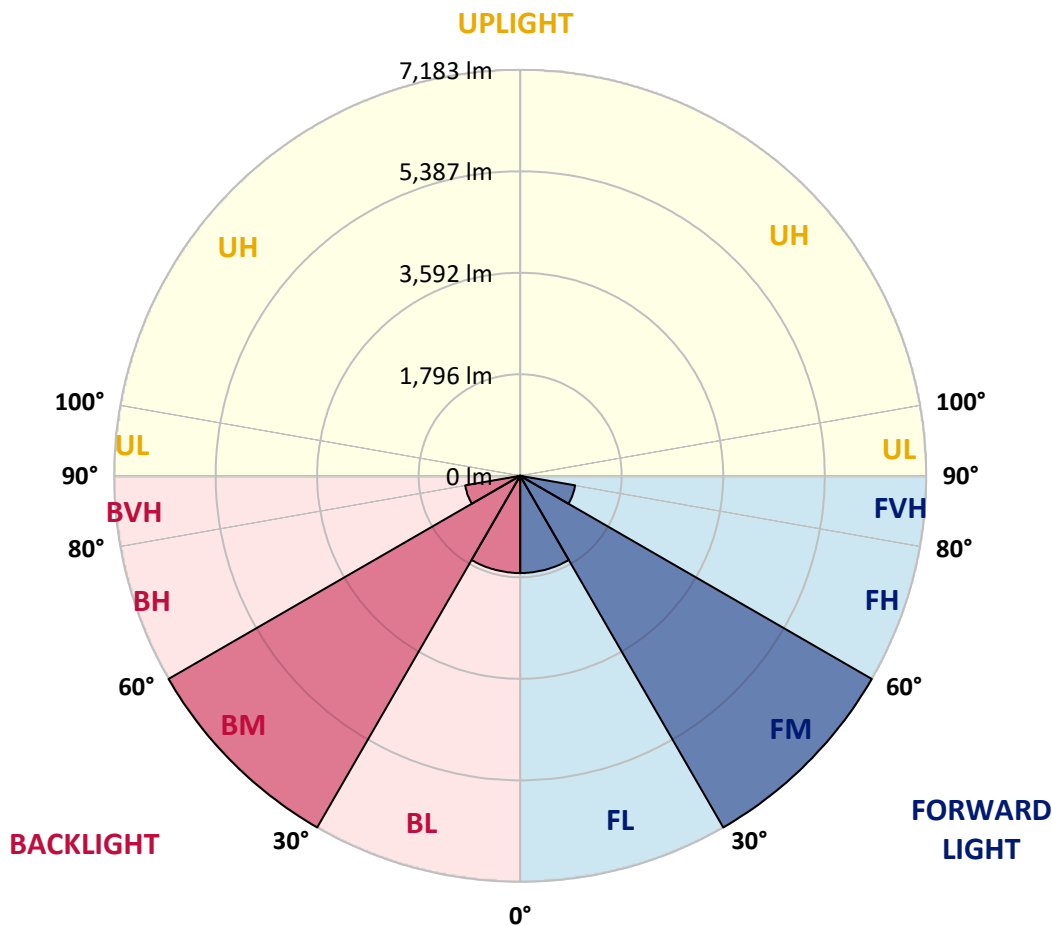
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.2	8.7			
FM (30°-60°)	7183.1	36.1			
FH (60°-80°)	987.4	5.0			G1/1800
FVH (80°-90°)	45.3	0.2			G1/100
BL (0°-30°)	1720.2	8.7	B3/2500		
BM (30°-60°)	7183.1	36.1	B4/8500		
BH (60°-80°)	987.4	5.0	B2/1000		G1/1800
BVH (80°-90°)	45.3	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°	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9	3321.9
2.5°	3329.3	3294.7	3307.1	3314.5	3346.5	3344.1	3336.7	3346.5	3356.4	3358.9	3353.9
5°	3326.8	3302.1	3312.0	3319.4	3351.5	3368.7	3363.8	3405.7	3435.3	3427.9	3464.9
7.5°	3307.1	3321.9	3309.5	3346.5	3373.7	3415.6	3460.0	3499.4	3536.4	3578.3	3585.7
10°	3351.5	3351.5	3373.7	3403.2	3474.8	3506.8	3570.9	3627.7	3699.2	3748.5	3728.8
12.5°	3398.3	3405.7	3405.7	3482.2	3541.4	3612.9	3672.1	3748.5	3849.6	3908.8	3938.4
15°	3445.2	3450.1	3474.8	3578.3	3667.1	3780.6	3834.8	3903.9	3960.6	4071.6	4074.0
17.5°	3487.1	3514.2	3588.2	3704.1	3815.1	3923.6	4009.9	4081.4	4130.8	4175.1	4165.3
20°	3644.9	3664.7	3741.1	3857.0	4022.2	4128.3	4157.9	4170.2	4202.3	4291.1	4263.9
22.5°	3797.8	3805.2	3876.7	4054.3	4170.2	4310.8	4342.8	4335.4	4347.8	4370.0	4409.4
25°	3955.7	3968.0	4066.6	4217.1	4379.8	4547.5	4574.7	4517.9	4500.7	4525.3	4527.8
27.5°	4157.9	4160.3	4286.1	4416.8	4601.8	4759.6	4801.5	4757.1	4675.8	4695.5	4727.6
30°	4414.4	4397.1	4522.9	4710.3	4905.1	4993.9	5065.4	5043.2	4954.4	4937.2	4910.0
32.5°	4710.3	4715.2	4828.7	5033.4	5161.6	5309.6	5386.0	5349.0	5292.3	5262.7	5280.0
35°	5127.1	5149.3	5225.7	5395.9	5603.0	5677.0	5797.9	5718.9	5571.0	5608.0	5640.0
37.5°	5469.9	5534.0	5677.0	5879.2	6002.5	6138.2	6182.6	6076.5	5968.0	5923.6	6029.7
40°	5995.1	5975.4	6133.2	6335.5	6518.0	6653.6	6596.9	6490.8	6222.0	6224.5	6254.1
42.5°	6446.4	6456.3	6577.1	6818.8	7067.9	7151.8	6971.7	6712.8	6414.4	6382.3	6446.4
45°	6826.2	6865.7	6934.7	7257.8	7501.9	7593.2	7260.3	6954.5	6555.0	6421.8	6527.8
47.5°	6961.9	7026.0	7176.4	7472.4	7714.0	7788.0	7521.7	7082.7	6685.7	6468.6	6525.4
50°	6981.6	6959.4	7206.0	7477.3	7689.4	7849.7	7615.4	7176.4	6653.6	6540.2	6522.9
52.5°	6441.5	6550.0	6813.9	7186.3	7615.4	7871.9	7699.2	7228.2	6698.0	6569.7	6527.8
55°	5213.4	5085.1	5566.0	6192.4	6981.6	7694.3	7669.6	7255.3	6725.1	6619.1	6562.4
57.5°	2910.0	2947.0	3218.3	3898.9	4917.4	6101.2	6818.8	6969.3	6712.8	6651.1	6680.7
60°	1346.5	1358.8	1474.7	1792.9	2424.2	3460.0	4404.5	5363.8	5805.3	5894.0	5894.0
62.5°	1003.7	998.8	1028.4	1085.1	1218.3	1590.6	2123.3	2885.4	3492.0	3916.2	4027.2
65°	907.5	905.1	919.9	939.6	949.5	1001.2	1119.6	1353.9	1551.2	1664.6	1644.9
67.5°	794.1	791.6	796.6	808.9	826.2	853.3	882.9	932.2	1001.2	996.3	984.0
70°	641.2	641.2	648.6	658.5	678.2	710.2	744.8	779.3	838.5	850.8	848.3
72.5°	473.5	466.1	480.9	500.6	520.4	559.8	596.8	628.9	670.8	683.1	678.2
75°	300.9	305.8	315.7	337.9	372.4	399.5	439.0	466.1	493.2	503.1	505.6
77.5°	167.7	172.6	189.9	217.0	251.5	281.1	315.7	337.9	355.1	357.6	360.1
80°	101.1	103.6	120.8	145.5	175.1	207.2	234.3	256.5	271.3	263.9	261.4
82.5°	61.7	64.1	78.9	101.1	125.8	150.4	180.0	199.8	214.6	204.7	194.8
85°	32.1	34.5	46.9	61.7	81.4	93.7	93.7	83.8	81.4	76.4	74.0
87.5°	9.9	9.9	12.3	14.8	12.3	14.8	17.3	19.7	19.7	22.2	19.7
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)