

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: P531655

Luminaire Tested: **GALN-SA7A-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18300 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

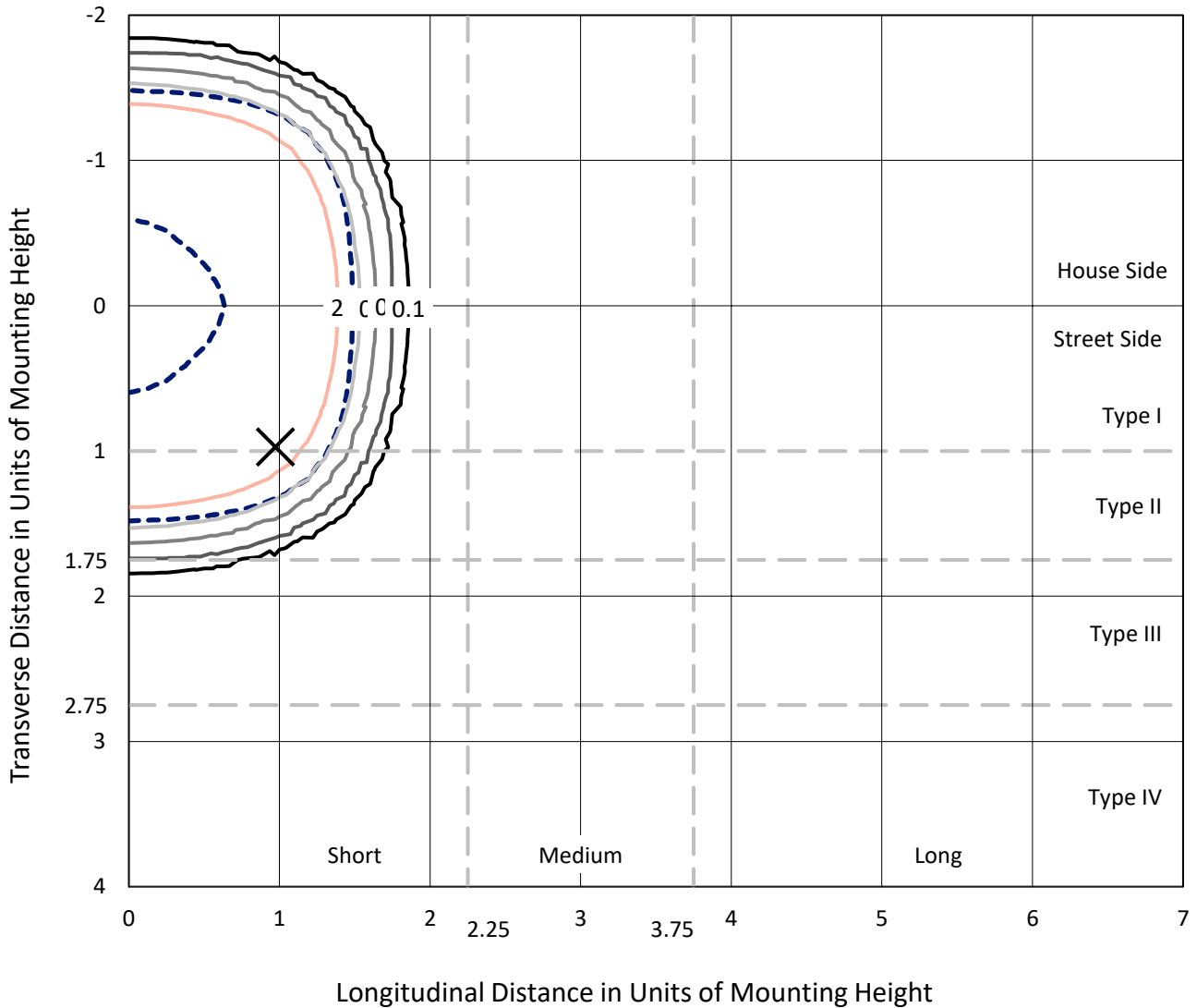
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

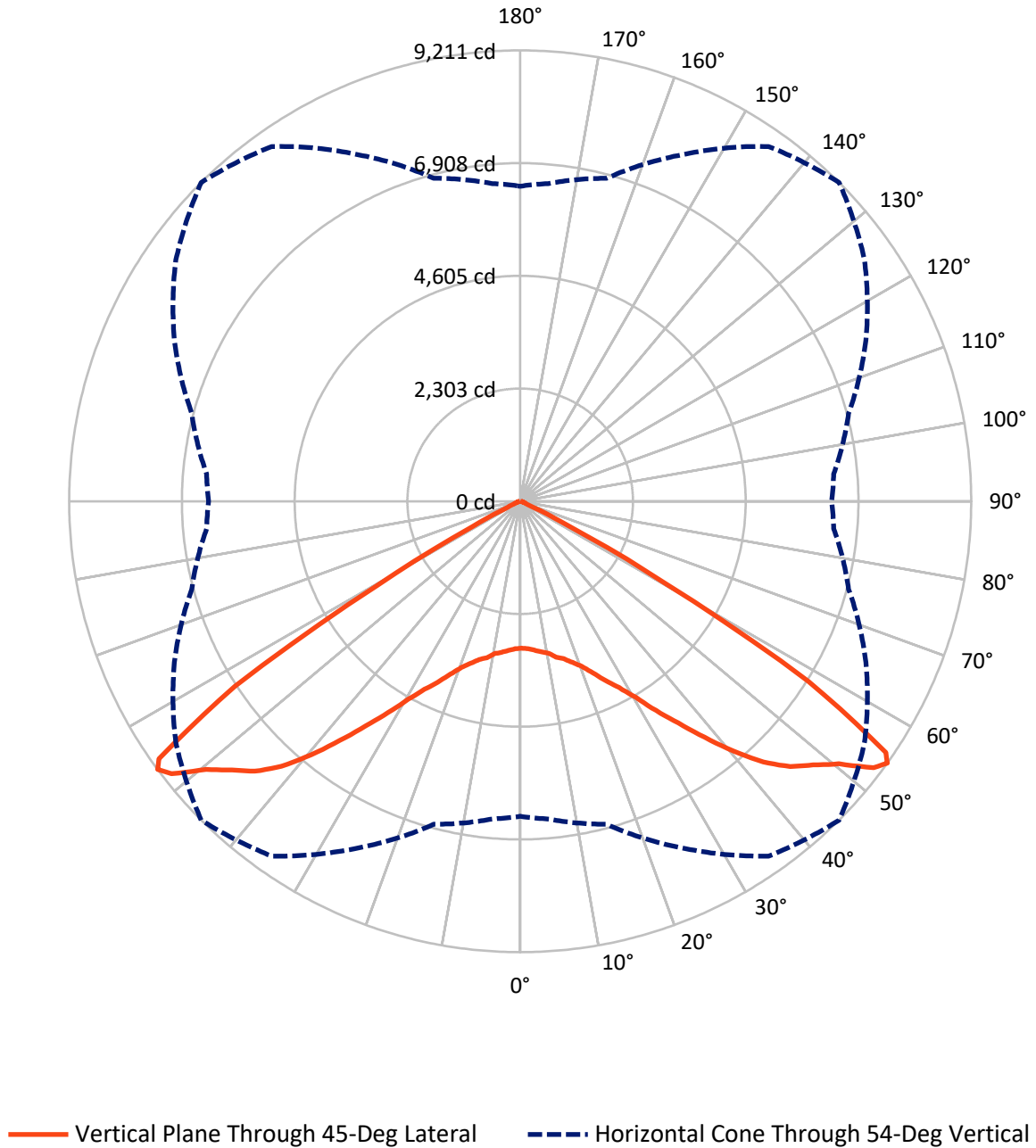
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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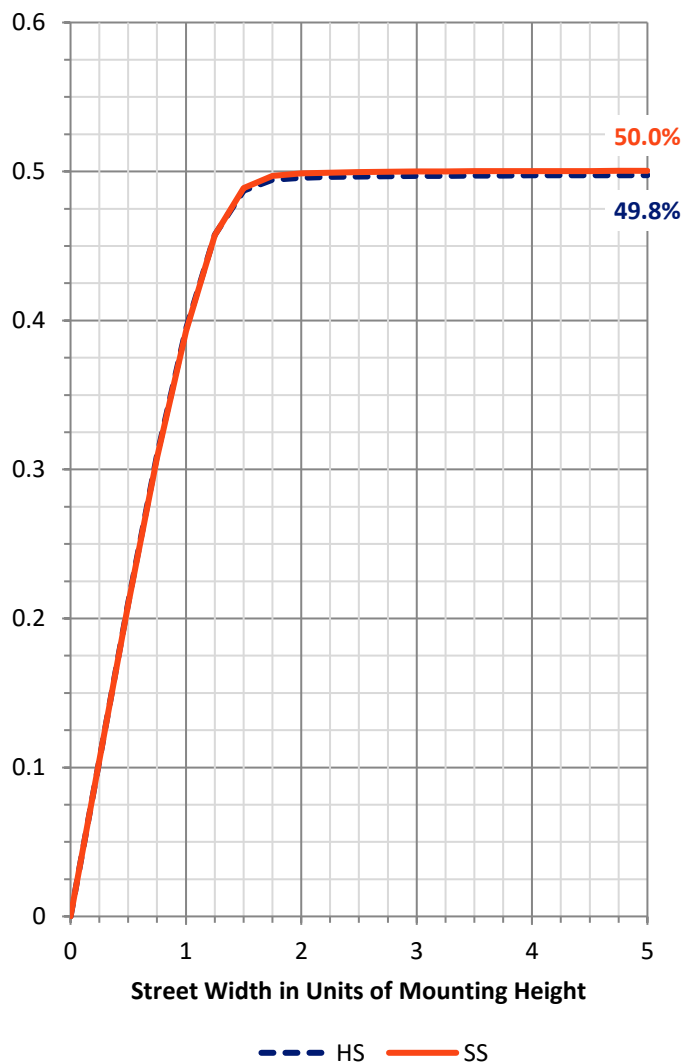
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9150.0	0.0	9150.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9150.0	0.0	9150.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18300.0	0.0	18300.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.7	1.6
10°-20°	951.1	5.2
20°-30°	1864.1	10.2
30°-40°	3352.0	18.3
40°-50°	5737.9	31.4
50°-60°	5552.0	30.3
60°-70°	475.3	2.6
70°-80°	56.3	0.3
80°-90°	17.7	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°	18300.0	100.0
0°-180°	18300.0	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6	3000.6
2.5°	3015.1	3032.5	3020.9	3029.6	3029.6	3015.1	3023.8	2989.0	3012.2	2994.8	2997.7
5°	3061.5	3058.6	3058.6	3061.5	3049.9	3055.7	3044.1	3032.5	3023.8	3012.2	3047.0
7.5°	3119.5	3119.5	3099.2	3105.0	3099.2	3107.9	3084.7	3061.5	3052.8	3044.1	3038.3
10°	3174.6	3168.8	3160.1	3186.2	3165.9	3154.3	3142.7	3128.2	3096.3	3084.7	3073.1
12.5°	3255.8	3252.9	3241.3	3267.4	3255.8	3267.4	3223.9	3186.2	3180.4	3142.7	3163.0
15°	3351.4	3377.5	3357.2	3357.2	3351.4	3336.9	3319.5	3302.1	3250.0	3235.5	3238.4
17.5°	3476.1	3467.4	3470.3	3470.3	3499.3	3461.6	3426.8	3383.3	3357.2	3348.5	3319.5
20°	3595.0	3606.6	3603.7	3623.9	3641.3	3600.8	3563.1	3557.3	3484.8	3496.4	3455.8
22.5°	3803.7	3795.0	3809.5	3824.0	3812.4	3806.6	3771.8	3728.3	3664.5	3635.5	3629.7
25°	4024.0	4009.5	3983.4	4018.2	4035.6	4061.7	3995.0	3971.8	3873.3	3829.8	3832.7
27.5°	4212.5	4232.8	4261.8	4276.3	4319.7	4311.0	4264.7	4189.3	4113.9	4064.6	4032.7
30°	4470.5	4482.1	4531.4	4551.7	4627.1	4647.4	4574.9	4487.9	4354.5	4290.8	4253.1
32.5°	4708.2	4789.4	4786.5	4888.0	5009.7	5093.8	4963.4	4830.0	4696.6	4621.3	4554.6
35°	5093.8	5079.3	5163.4	5270.7	5467.8	5563.5	5421.4	5267.8	5064.8	4943.1	4890.9
37.5°	5453.3	5459.1	5572.2	5743.2	5969.4	6117.2	5992.6	5740.3	5531.6	5375.0	5302.6
40°	5975.2	5986.8	6102.7	6297.0	6552.1	6711.6	6566.6	6311.5	6033.2	5911.4	5911.4
42.5°	6586.9	6636.2	6711.6	6879.7	7108.7	7285.6	7155.1	6955.1	6673.9	6517.3	6540.5
45°	7216.0	7239.2	7288.5	7537.8	7645.1	7732.1	7610.3	7517.5	7329.1	7137.7	7105.8
47.5°	7804.5	7813.2	7958.2	8036.5	8120.5	8048.1	8126.3	8004.6	7792.9	7607.4	7569.7
50°	8065.5	8051.0	8256.8	8494.5	8558.3	8430.8	8364.1	8282.9	7961.1	7737.9	7639.3
52.5°	7305.9	7390.0	7772.6	8433.7	8932.3	9039.6	8651.1	8277.1	7677.0	7242.1	7175.4
54°	6436.1	6514.4	6830.4	7810.3	8848.2	9210.6	8584.4	7790.0	6943.5	6427.4	6360.8
55°	5575.1	5488.1	6062.1	7062.4	8453.9	9059.9	8320.6	7160.9	6192.6	5720.0	5627.3
57.5°	3018.0	3032.5	3516.7	4461.8	5940.4	6946.4	6134.6	4844.5	3658.7	3128.2	3081.8
60°	956.7	979.9	1191.6	1803.3	2838.3	3389.1	2905.0	1945.3	1345.2	1078.5	1035.0
62.5°	298.6	310.2	339.2	504.5	777.0	1110.4	869.7	521.8	388.5	356.6	362.4
65°	182.6	182.6	185.5	197.1	231.9	269.6	260.9	229.0	220.3	214.5	211.6
67.5°	118.9	116.0	121.8	130.5	136.3	139.2	147.9	156.6	153.7	147.9	147.9
70°	72.5	69.6	75.4	87.0	89.9	95.7	104.4	116.0	113.1	107.3	110.2
72.5°	40.6	40.6	43.5	52.2	60.9	66.7	75.4	84.1	87.0	84.1	84.1
75°	14.5	17.4	23.2	31.9	37.7	46.4	55.1	63.8	72.5	66.7	63.8
77.5°	5.8	5.8	11.6	20.3	29.0	37.7	52.2	60.9	66.7	60.9	55.1
80°	2.9	2.9	8.7	17.4	26.1	34.8	43.5	52.2	55.1	49.3	43.5
82.5°	2.9	2.9	8.7	17.4	26.1	31.9	46.4	52.2	58.0	52.2	43.5
85°	0.0	2.9	8.7	17.4	23.2	26.1	26.1	17.4	14.5	8.7	8.7
87.5°	0.0	0.0	2.9	0.0	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)