

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: P530722

Luminaire Tested: **GALN-SA6A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530722
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-SA6A-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 19240 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

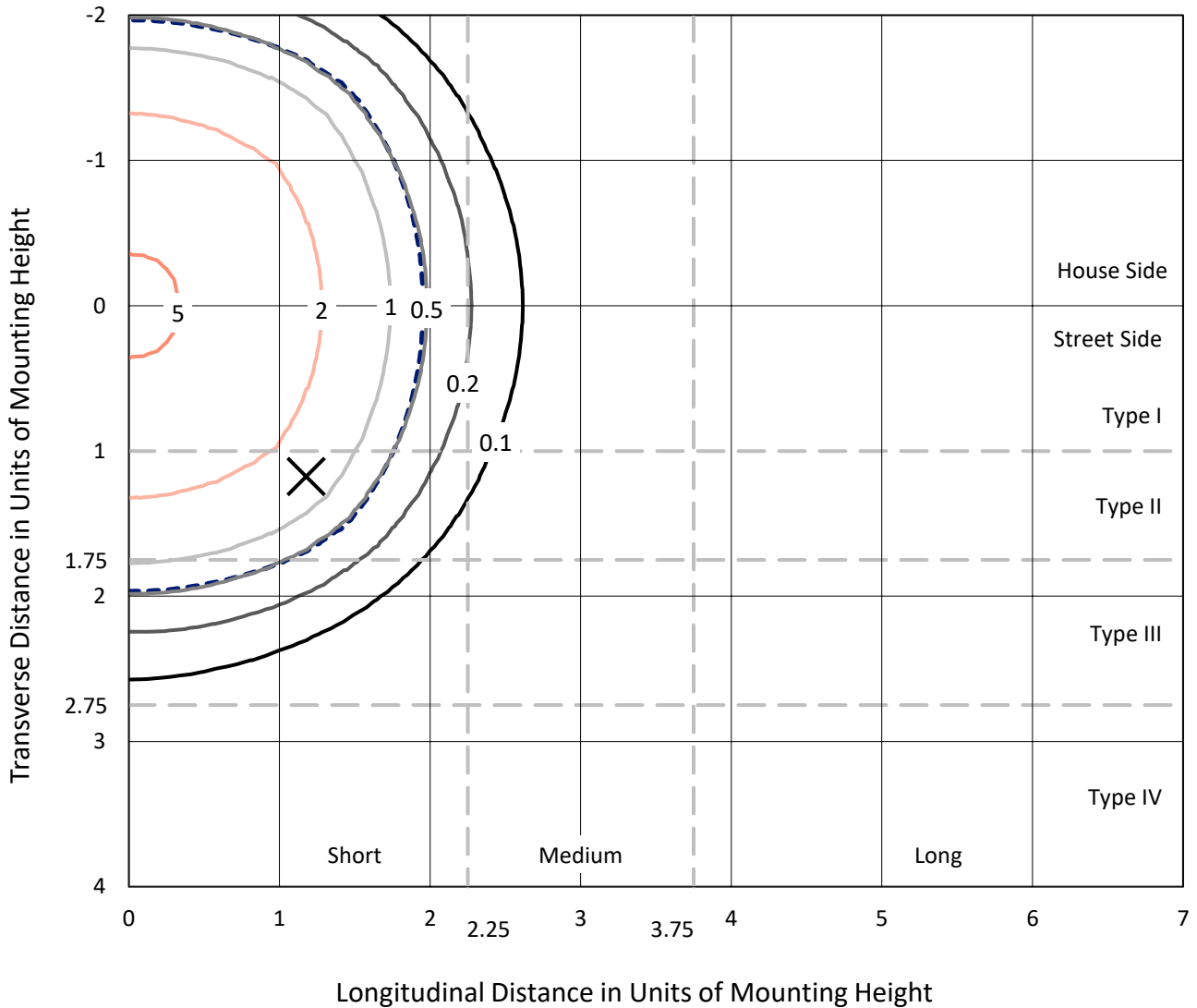
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

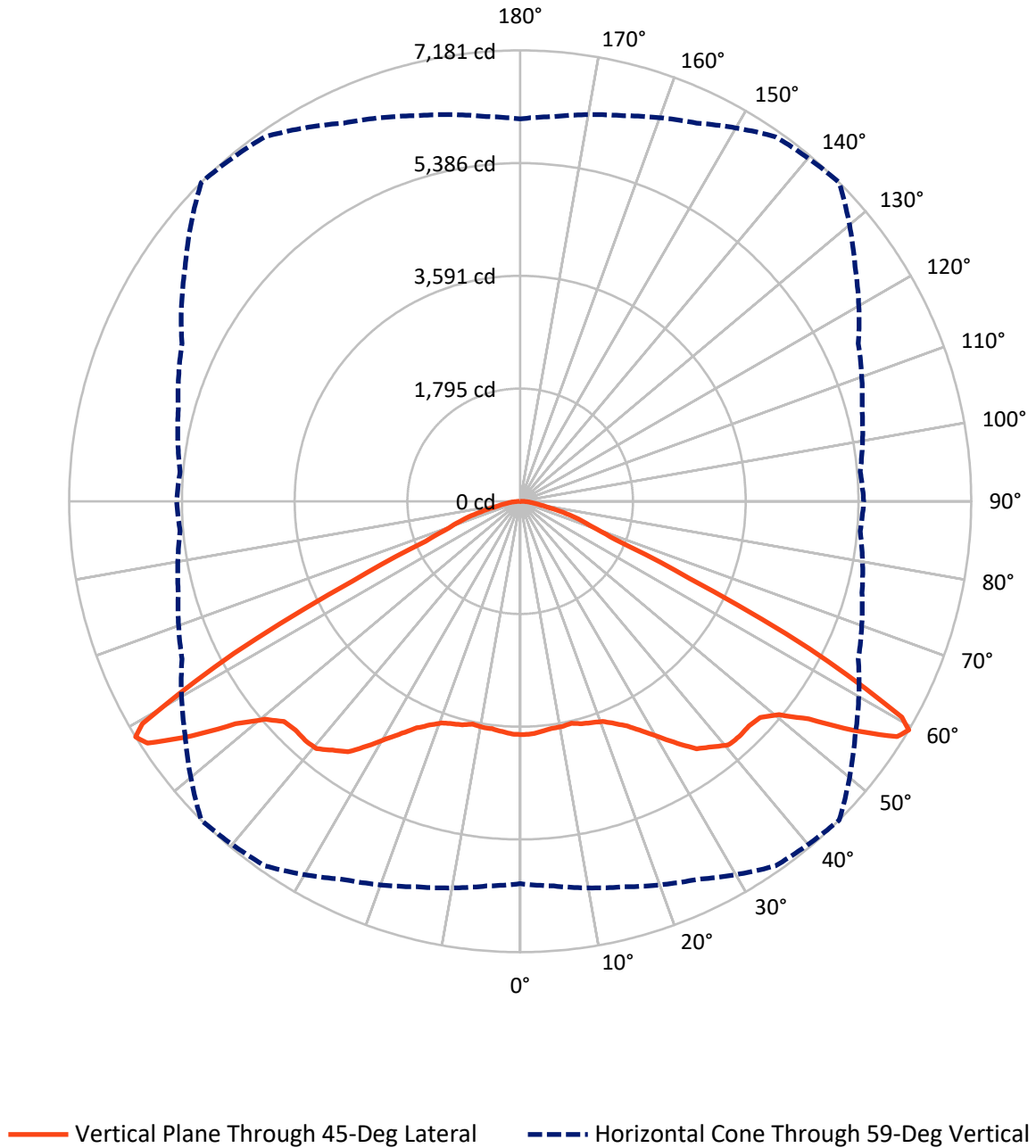
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9620.0	0.0	9620.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9620.0	0.0	9620.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19240.0	0.0	19240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	1.8
10°-20°	1041.8	5.4
20°-30°	1819.1	9.5
30°-40°	2905.4	15.1
40°-50°	3957.7	20.6
50°-60°	5351.9	27.8
60°-70°	2935.0	15.3
70°-80°	750.8	3.9
80°-90°	128.1	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°	19240.0	100.0
0°-180°	19240.0	100.0

Coefficient of Utilization



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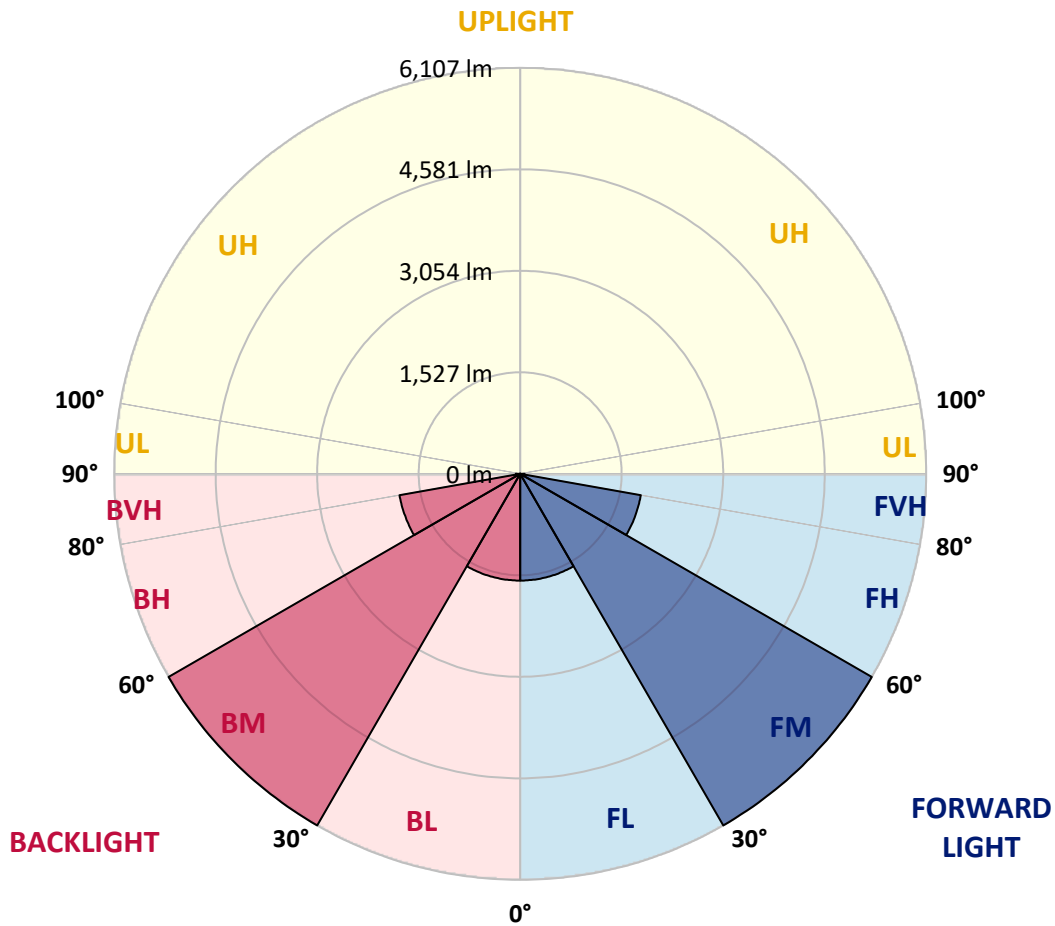
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1605.6	8.3			
FM (30°-60°)	6107.5	31.7			
FH (60°-80°)	1842.9	9.6			G2/5000
FVH (80°-90°)	64.0	0.3			G1/100
BL (0°-30°)	1605.6	8.3	B3/2500		
BM (30°-60°)	6107.5	31.7	B4/8500		
BH (60°-80°)	1842.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	64.0	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°	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2	3716.2
2.5°	3694.1	3721.2	3701.5	3718.7	3716.2	3708.8	3696.5	3689.1	3679.3	3694.1	3669.4
5°	3679.3	3701.5	3723.6	3694.1	3694.1	3679.3	3671.9	3657.1	3657.1	3654.6	3652.1
7.5°	3703.9	3681.7	3671.9	3676.8	3681.7	3649.7	3671.9	3642.3	3617.6	3634.9	3654.6
10°	3681.7	3691.6	3654.6	3671.9	3644.7	3649.7	3634.9	3654.6	3627.5	3627.5	3627.5
12.5°	3703.9	3676.8	3689.1	3676.8	3669.4	3627.5	3647.2	3625.0	3622.5	3647.2	3625.0
15°	3748.3	3703.9	3694.1	3669.4	3676.8	3676.8	3657.1	3659.5	3632.4	3647.2	3652.1
17.5°	3733.5	3708.8	3701.5	3671.9	3696.5	3703.9	3666.9	3642.3	3659.5	3657.1	3654.6
20°	3745.8	3755.7	3748.3	3753.2	3763.1	3743.4	3708.8	3674.3	3652.1	3684.2	3681.7
22.5°	3824.8	3814.9	3810.0	3805.0	3822.3	3842.0	3795.2	3740.9	3740.9	3763.1	3773.0
25°	3888.9	3886.4	3883.9	3906.1	3965.3	3965.3	3906.1	3837.1	3819.8	3834.6	3822.3
27.5°	3982.6	4009.7	3999.8	4039.3	4125.6	4145.3	4066.4	3985.0	3938.2	3920.9	3943.1
30°	4197.1	4165.1	4172.5	4214.4	4290.8	4354.9	4234.1	4147.8	4083.7	4081.2	4091.1
32.5°	4340.1	4364.8	4387.0	4426.5	4547.3	4596.6	4451.1	4310.6	4271.1	4248.9	4256.3
35°	4626.2	4604.0	4599.1	4638.5	4759.4	4840.7	4658.3	4535.0	4483.2	4532.5	4532.5
37.5°	4897.5	4835.8	4789.0	4840.7	4951.7	4961.6	4806.2	4739.6	4712.5	4769.2	4766.8
40°	5025.7	5020.8	4912.3	4941.8	5089.8	5104.6	4959.1	4880.2	4875.3	4949.2	5023.2
42.5°	5158.9	5112.0	5003.5	5023.2	5114.5	5119.4	4981.3	4959.1	5013.4	5084.9	5089.8
45°	5181.0	5141.6	5072.5	5023.2	5089.8	5104.6	5023.2	5038.0	5043.0	5129.3	5129.3
47.5°	5225.4	5220.5	5181.0	5144.1	5156.4	5144.1	5092.3	5114.5	5188.4	5230.4	5210.6
50°	5348.7	5296.9	5336.4	5304.3	5306.8	5341.3	5294.5	5316.7	5301.9	5264.9	5240.2
52.5°	5620.0	5595.3	5629.9	5652.1	5676.7	5755.6	5701.4	5583.0	5472.0	5373.4	5370.9
55°	6017.0	6034.3	6100.9	6214.3	6310.5	6436.2	6174.8	5891.3	5713.7	5558.3	5568.2
57.5°	6391.8	6379.5	6470.8	6729.7	7010.8	7074.9	6562.0	6157.6	5869.1	5770.4	5728.5
59°	6091.0	6150.2	6357.3	6645.8	7087.3	7181.0	6510.2	5940.6	5634.8	5435.0	5469.6
60°	5617.5	5639.7	5824.7	6226.6	6823.4	6983.7	6162.5	5605.2	5198.3	5082.4	5134.2
62.5°	3970.2	3953.0	4086.1	4414.1	4949.2	5166.3	4581.8	4189.7	3933.3	3805.0	3834.6
65°	2110.9	2189.8	2244.1	2448.7	2732.3	2961.7	2720.0	2549.8	2406.8	2300.8	2298.3
67.5°	1425.3	1415.5	1427.8	1474.7	1570.8	1635.0	1630.0	1543.7	1531.4	1511.7	1533.8
70°	1200.9	1196.0	1173.8	1173.8	1193.5	1208.3	1225.6	1235.5	1255.2	1279.8	1277.4
72.5°	974.1	961.7	946.9	939.5	964.2	971.6	993.8	1003.7	1020.9	1018.5	1040.6
75°	643.6	643.6	660.9	680.6	688.0	702.8	705.3	734.9	734.9	739.8	720.1
77.5°	360.0	350.2	362.5	382.2	399.5	426.6	453.7	475.9	488.3	483.3	483.3
80°	209.6	209.6	221.9	244.1	266.3	291.0	310.7	328.0	340.3	335.4	325.5
82.5°	130.7	130.7	143.0	165.2	182.5	197.3	224.4	246.6	261.4	256.5	244.1
85°	66.6	66.6	81.4	96.2	118.4	128.2	125.8	115.9	113.4	101.1	101.1
87.5°	17.3	17.3	24.7	27.1	22.2	24.7	24.7	24.7	24.7	24.7	27.1
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)