

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: P530774

Luminaire Tested: **GALN-SA6A-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530774  
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-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 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: 21431 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

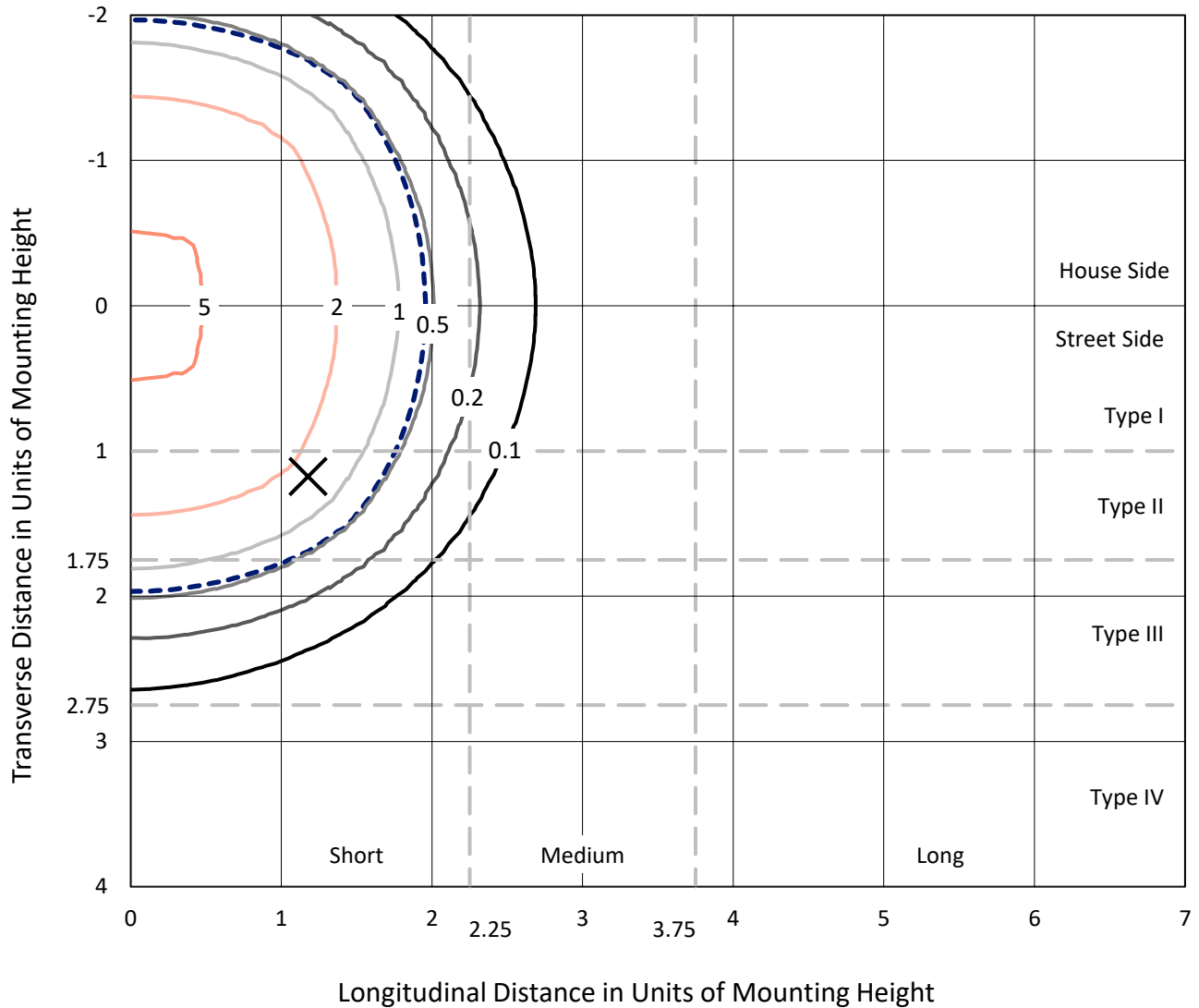
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

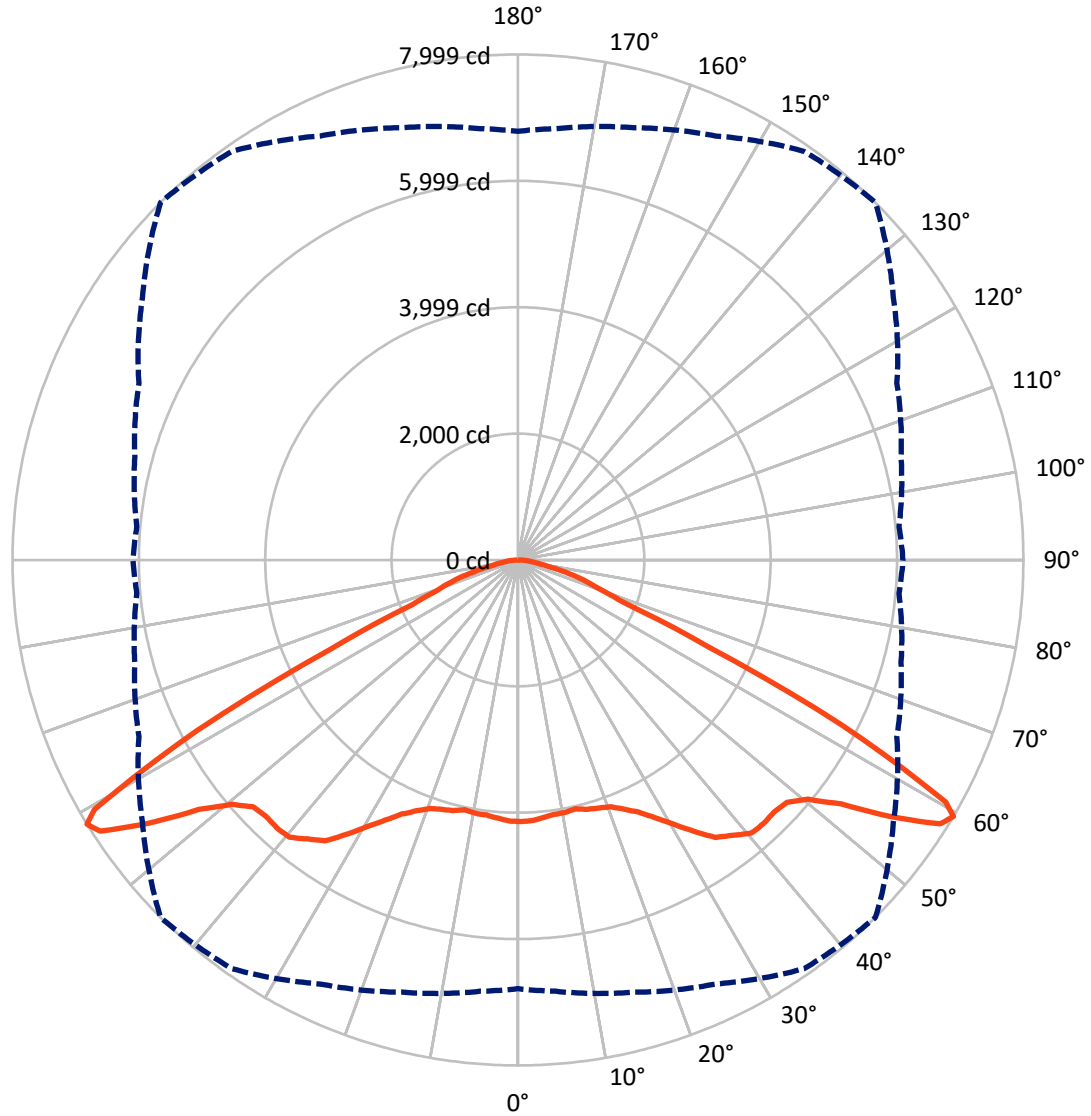
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10715.5	0.0	10715.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10715.5	0.0	10715.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21431.0	0.0	21431.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.2	1.8
10°-20°	1160.4	5.4
20°-30°	2026.3	9.5
30°-40°	3236.2	15.1
40°-50°	4408.4	20.6
50°-60°	5961.3	27.8
60°-70°	3269.2	15.3
70°-80°	836.4	3.9
80°-90°	142.6	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°	21431.0	100.0
0°-180°	21431.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530774

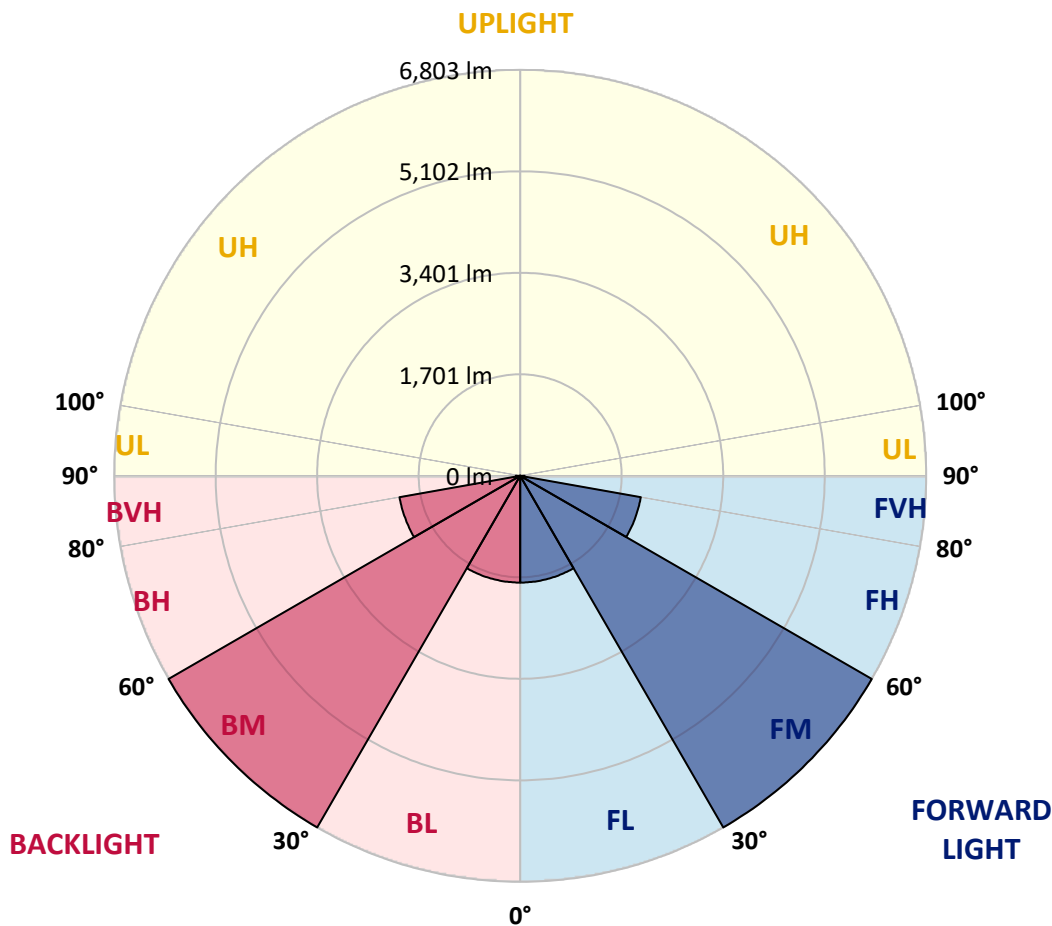
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.5	8.3			
FM (30°-60°)	6803.0	31.7			
FH (60°-80°)	2052.8	9.6			G2/5000
FVH (80°-90°)	71.3	0.3			G1/100
BL (0°-30°)	1788.5	8.3	B3/2500		
BM (30°-60°)	6803.0	31.7	B4/8500		
BH (60°-80°)	2052.8	9.6	B3/2500		G2/5000
BVH (80°-90°)	71.3	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°	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4	4139.4
2.5°	4114.7	4144.9	4123.0	4142.2	4139.4	4131.2	4117.5	4109.2	4098.2	4114.7	4087.3
5°	4098.2	4123.0	4147.7	4114.7	4114.7	4098.2	4090.0	4073.5	4073.5	4070.8	4068.0
7.5°	4125.7	4101.0	4090.0	4095.5	4101.0	4065.3	4090.0	4057.0	4029.6	4048.8	4070.8
10°	4101.0	4112.0	4070.8	4090.0	4059.8	4065.3	4048.8	4070.8	4040.6	4040.6	4040.6
12.5°	4125.7	4095.5	4109.2	4095.5	4087.3	4040.6	4062.5	4037.8	4035.1	4062.5	4037.8
15°	4175.2	4125.7	4114.7	4087.3	4095.5	4095.5	4073.5	4076.3	4046.1	4062.5	4068.0
17.5°	4158.7	4131.2	4123.0	4090.0	4117.5	4125.7	4084.5	4057.0	4076.3	4073.5	4070.8
20°	4172.4	4183.4	4175.2	4180.6	4191.6	4169.7	4131.2	4092.7	4068.0	4103.7	4101.0
22.5°	4260.3	4249.3	4243.8	4238.3	4257.6	4279.5	4227.3	4166.9	4166.9	4191.6	4202.6
25°	4331.7	4329.0	4326.2	4350.9	4416.9	4416.9	4350.9	4274.0	4254.8	4271.3	4257.6
27.5°	4436.1	4466.3	4455.3	4499.3	4595.4	4617.4	4529.5	4438.8	4386.7	4367.4	4392.2
30°	4675.1	4639.4	4647.6	4694.3	4779.5	4850.9	4716.3	4620.1	4548.7	4546.0	4557.0
32.5°	4834.4	4861.9	4886.6	4930.5	5065.1	5120.1	4958.0	4801.4	4757.5	4732.8	4741.0
35°	5153.0	5128.3	5122.8	5166.8	5301.3	5392.0	5188.7	5051.4	4993.7	5048.6	5048.6
37.5°	5455.2	5386.5	5334.3	5392.0	5515.6	5526.6	5353.5	5279.4	5249.2	5312.3	5309.6
40°	5598.0	5592.5	5471.6	5504.6	5669.4	5685.9	5523.8	5435.9	5430.4	5512.8	5595.3
42.5°	5746.3	5694.1	5573.3	5595.3	5696.9	5702.4	5548.6	5523.8	5584.3	5663.9	5669.4
45°	5771.1	5727.1	5650.2	5595.3	5669.4	5685.9	5595.3	5611.7	5617.2	5713.4	5713.4
47.5°	5820.5	5815.0	5771.1	5729.8	5743.6	5729.8	5672.2	5696.9	5779.3	5826.0	5804.0
50°	5957.8	5900.2	5944.1	5908.4	5911.1	5949.6	5897.4	5922.1	5905.6	5864.4	5837.0
52.5°	6260.0	6232.5	6271.0	6295.7	6323.2	6411.1	6350.6	6218.8	6095.2	5985.3	5982.6
55°	6702.2	6721.4	6795.6	6922.0	7029.1	7169.2	6878.0	6562.1	6364.4	6191.3	6202.3
57.5°	7119.7	7106.0	7207.6	7496.0	7809.2	7880.6	7309.3	6858.8	6537.4	6427.5	6380.8
59°	6784.6	6850.5	7081.3	7402.7	7894.3	7998.7	7251.6	6617.1	6276.5	6054.0	6092.4
60°	6257.2	6282.0	6488.0	6935.7	7600.4	7779.0	6864.3	6243.5	5790.3	5661.2	5718.9
62.5°	4422.4	4403.1	4551.5	4916.8	5512.8	5754.6	5103.6	4666.8	4381.2	4238.3	4271.3
65°	2351.3	2439.2	2499.6	2727.6	3043.5	3298.9	3029.7	2840.2	2680.9	2562.8	2560.0
67.5°	1587.7	1576.7	1590.4	1642.6	1749.7	1821.1	1815.6	1719.5	1705.8	1683.8	1708.5
70°	1337.7	1332.2	1307.5	1307.5	1329.5	1345.9	1365.2	1376.2	1398.1	1425.6	1422.8
72.5°	1085.0	1071.3	1054.8	1046.5	1074.0	1082.2	1107.0	1118.0	1137.2	1134.4	1159.2
75°	716.9	716.9	736.1	758.1	766.4	782.8	785.6	818.5	818.5	824.0	802.1
77.5°	401.0	390.0	403.8	425.8	445.0	475.2	505.4	530.1	543.9	538.4	538.4
80°	233.5	233.5	247.2	271.9	296.7	324.1	346.1	365.3	379.1	373.6	362.6
82.5°	145.6	145.6	159.3	184.0	203.3	219.7	250.0	274.7	291.2	285.7	271.9
85°	74.2	74.2	90.6	107.1	131.8	142.8	140.1	129.1	126.4	112.6	112.6
87.5°	19.2	19.2	27.5	30.2	24.7	27.5	27.5	27.5	27.5	27.5	30.2
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)