

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: P531475

Luminaire Tested: **GALN-SA6D-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6D-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22290 lumens  
Efficiency: N/A  
Efficacy: 60.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

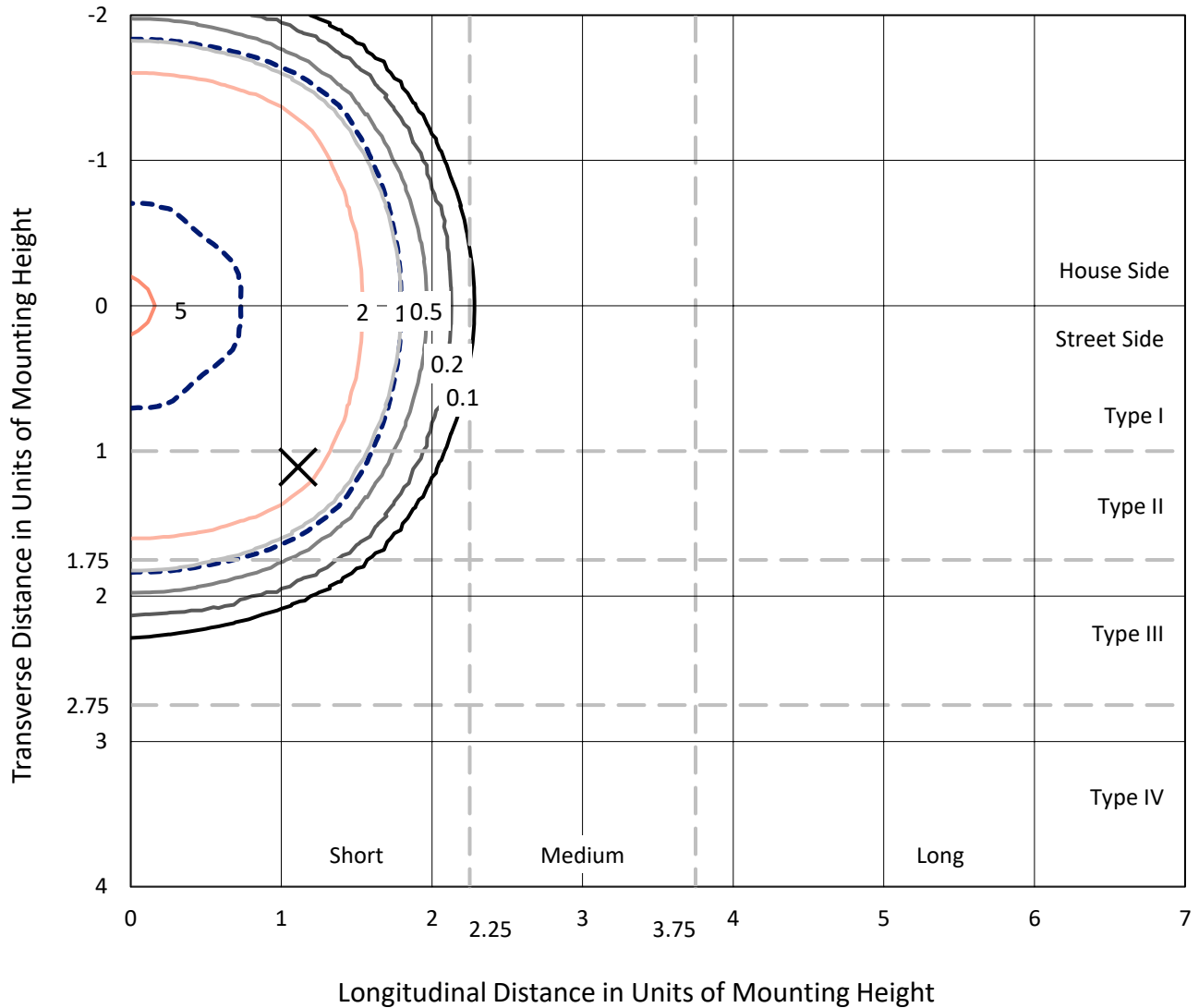
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

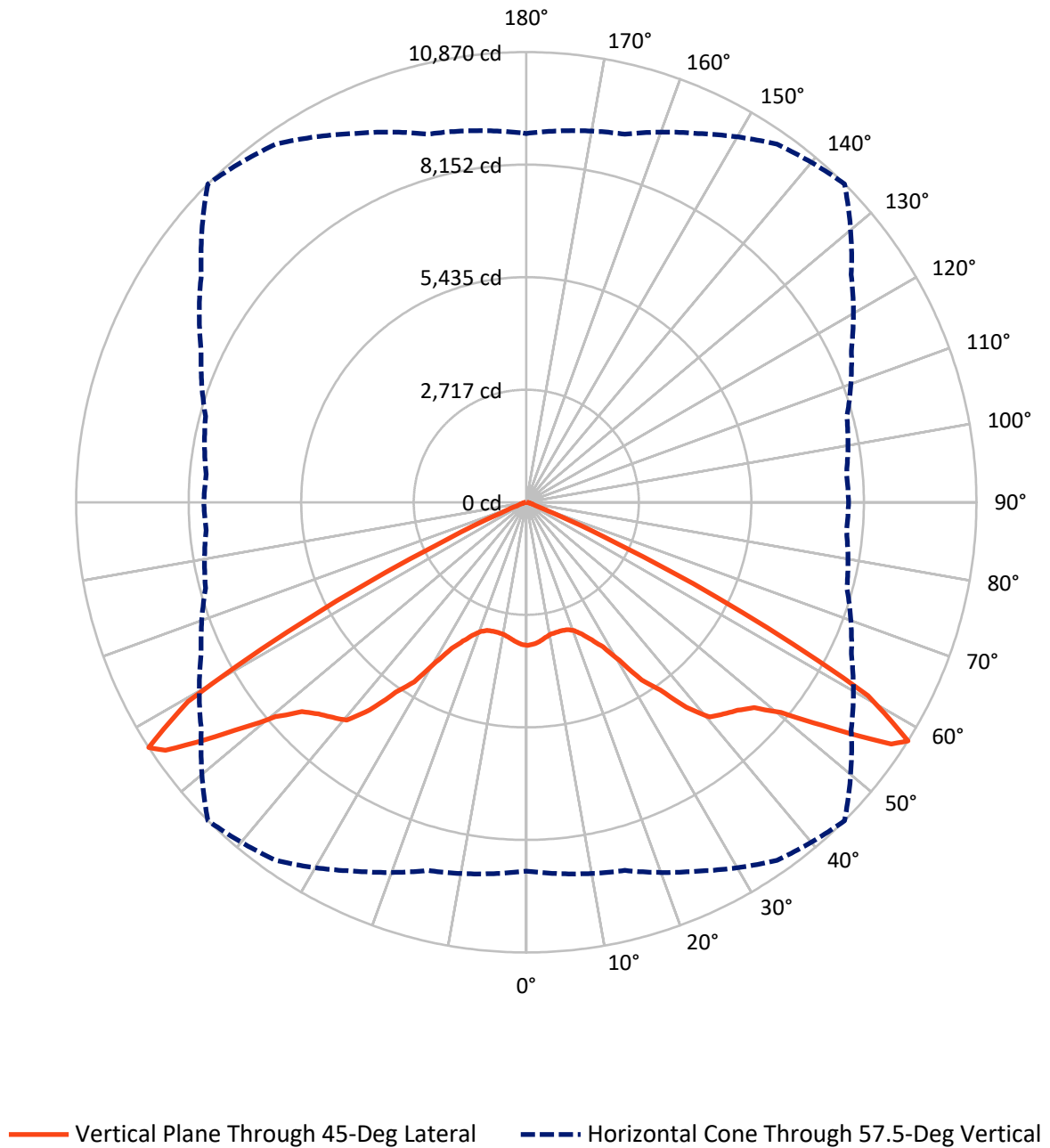
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	11145.0	0.0	11145.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11145.0	0.0	11145.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22290.0	0.0	22290.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.7	1.4
10°-20°	918.4	4.1
20°-30°	1695.2	7.6
30°-40°	3333.7	15.0
40°-50°	5429.7	24.4
50°-60°	7743.5	34.7
60°-70°	2681.0	12.0
70°-80°	143.8	0.6
80°-90°	27.0	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°	22290.0	100.0
0°-180°	22290.0	100.0

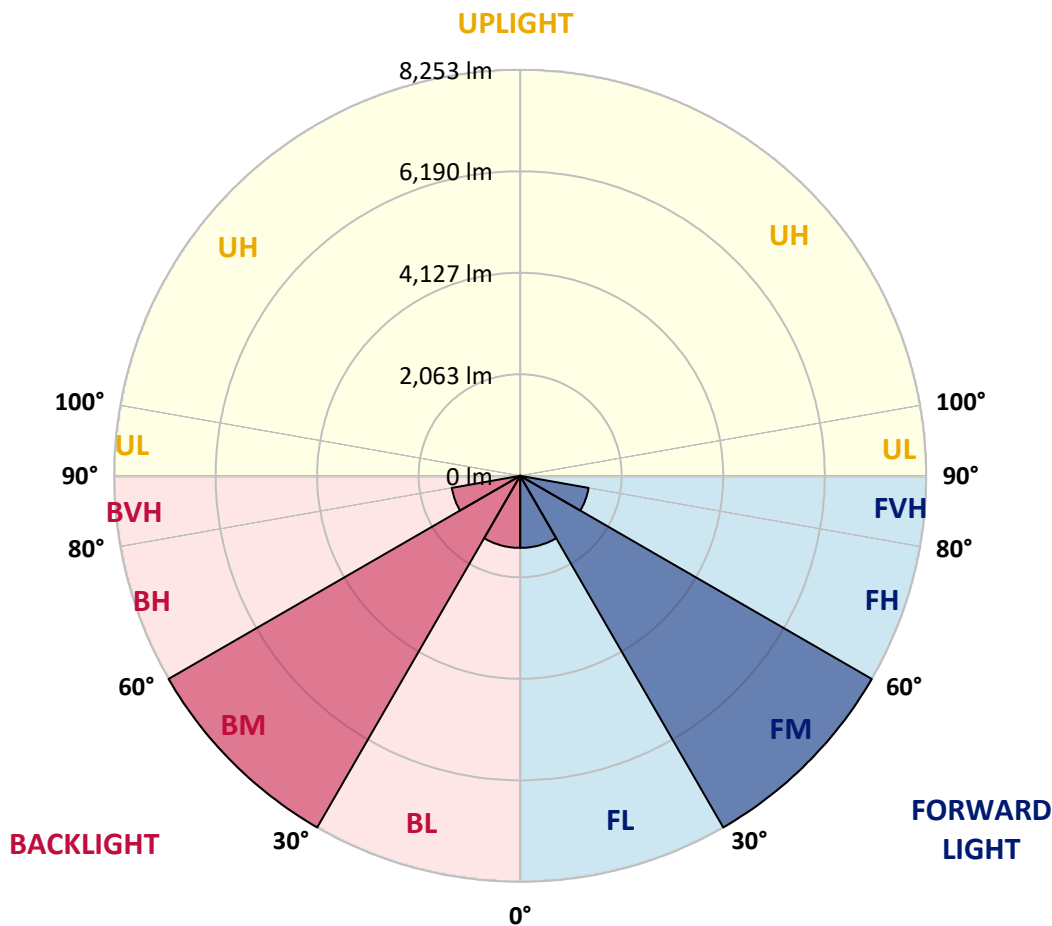


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1465.6	6.6			
FM (30°-60°)	8253.5	37.0			
FH (60°-80°)	1412.4	6.3			G1/1800
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	1465.6	6.6	B3/2500		
BM (30°-60°)	8253.5	37.0	B4/8500		
BH (60°-80°)	1412.4	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.5	0.1			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°	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4	3457.4
2.5°	3448.1	3466.7	3443.5	3434.2	3429.5	3429.5	3415.6	3415.6	3410.9	3415.6	3397.0
5°	3392.4	3410.9	3410.9	3406.3	3378.4	3373.8	3359.8	3350.5	3355.2	3336.6	3350.5
7.5°	3336.6	3350.5	3331.9	3327.3	3318.0	3299.4	3294.8	3252.9	3257.6	3257.6	3266.9
10°	3327.3	3322.6	3294.8	3271.5	3243.6	3239.0	3225.1	3215.8	3215.8	3211.1	3225.1
12.5°	3327.3	3304.1	3299.4	3248.3	3201.8	3220.4	3183.2	3160.0	3192.5	3201.8	3220.4
15°	3322.6	3345.9	3266.9	3243.6	3211.1	3215.8	3183.2	3160.0	3178.6	3187.9	3201.8
17.5°	3350.5	3336.6	3313.4	3266.9	3252.9	3234.4	3192.5	3173.9	3173.9	3197.2	3201.8
20°	3424.9	3387.7	3341.2	3318.0	3331.9	3308.7	3257.6	3187.9	3206.5	3225.1	3239.0
22.5°	3494.6	3466.7	3434.2	3420.2	3499.2	3462.1	3373.8	3294.8	3266.9	3299.4	3322.6
25°	3629.4	3629.4	3568.9	3587.5	3675.8	3680.5	3578.2	3438.8	3420.2	3434.2	3443.5
27.5°	3903.5	3917.5	3866.4	3884.9	3922.1	3954.6	3866.4	3750.2	3708.4	3703.7	3717.6
30°	4200.9	4228.8	4224.2	4303.2	4410.1	4428.6	4298.5	4108.0	3982.5	3959.3	3977.9
32.5°	4591.3	4605.2	4595.9	4688.9	4977.0	5111.8	4772.5	4503.0	4335.7	4377.5	4335.7
35°	5325.5	5311.6	5209.4	5227.9	5464.9	5562.5	5237.2	5065.3	4986.3	5069.9	5051.4
37.5°	5957.5	5906.4	5822.8	5943.6	6189.9	6278.2	5938.9	5636.9	5492.8	5632.2	5692.6
40°	6491.9	6361.8	6245.6	6366.5	6696.4	6817.2	6320.0	6073.7	6017.9	6120.2	6250.3
42.5°	6942.7	6859.1	6705.7	6715.0	6933.4	6989.2	6589.5	6445.5	6389.7	6552.4	6617.4
45°	7263.4	7184.4	7040.3	7031.0	7198.3	7161.1	6803.3	6705.7	6738.2	6845.1	6877.6
47.5°	7426.0	7467.8	7384.2	7407.4	7495.7	7407.4	7123.9	7123.9	7049.6	7114.6	7082.1
50°	7895.4	7765.2	7872.1	7872.1	7965.1	7974.4	7690.9	7588.6	7388.8	7277.3	7277.3
52.5°	8443.7	8453.0	8494.8	8648.2	8806.2	8940.9	8536.6	8099.8	7765.2	7621.2	7602.6
55°	8894.5	8987.4	9154.7	9442.8	9898.2	10084.1	9387.1	8606.4	8197.4	7974.4	7927.9
56°	9140.8	9052.5	9340.6	9735.6	10330.4	10572.1	9526.5	8708.6	8257.8	8006.9	8002.2
57.5°	8903.8	9001.4	9201.2	9823.9	10553.5	10869.5	9577.6	8662.1	8016.2	7760.6	7783.8
60°	7031.0	7123.9	7393.5	8090.5	9233.7	9480.0	8104.5	7142.5	6566.3	6199.2	6203.8
62.5°	3977.9	4047.6	4256.7	4902.6	5613.6	5850.6	5051.4	4410.1	4010.4	3805.9	3740.9
65°	1463.8	1435.9	1468.5	1798.4	2235.2	2435.1	2100.5	1775.2	1566.1	1491.7	1463.8
67.5°	548.4	506.5	474.0	506.5	636.6	673.8	618.1	515.8	483.3	497.2	506.5
70°	339.2	320.6	255.6	241.6	237.0	232.4	246.3	260.2	297.4	348.5	357.8
72.5°	237.0	223.1	181.2	171.9	162.6	158.0	181.2	199.8	232.4	269.5	274.2
75°	92.9	97.6	92.9	102.2	106.9	111.5	130.1	144.1	158.0	158.0	153.4
77.5°	18.6	18.6	27.9	37.2	46.5	60.4	88.3	102.2	106.9	102.2	88.3
80°	0.0	0.0	9.3	18.6	37.2	51.1	79.0	88.3	97.6	88.3	69.7
82.5°	0.0	0.0	9.3	23.2	37.2	46.5	74.4	92.9	106.9	97.6	74.4
85°	0.0	0.0	9.3	18.6	27.9	32.5	32.5	23.2	23.2	13.9	9.3
87.5°	0.0	0.0	0.0	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)