

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: P530979

Luminaire Tested: **GALN-SA6B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530979  
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-SA6B-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA 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: 21110 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

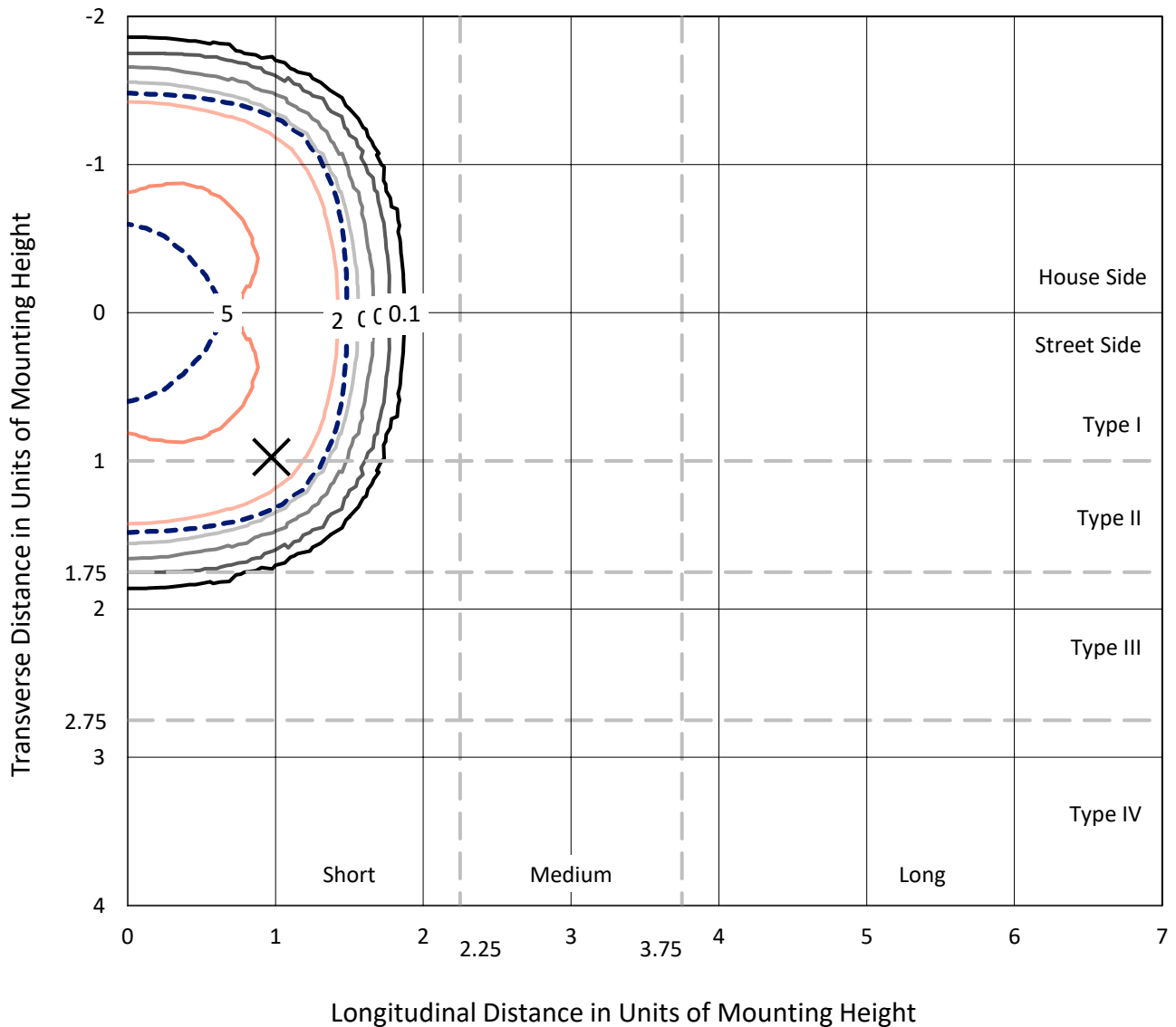
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

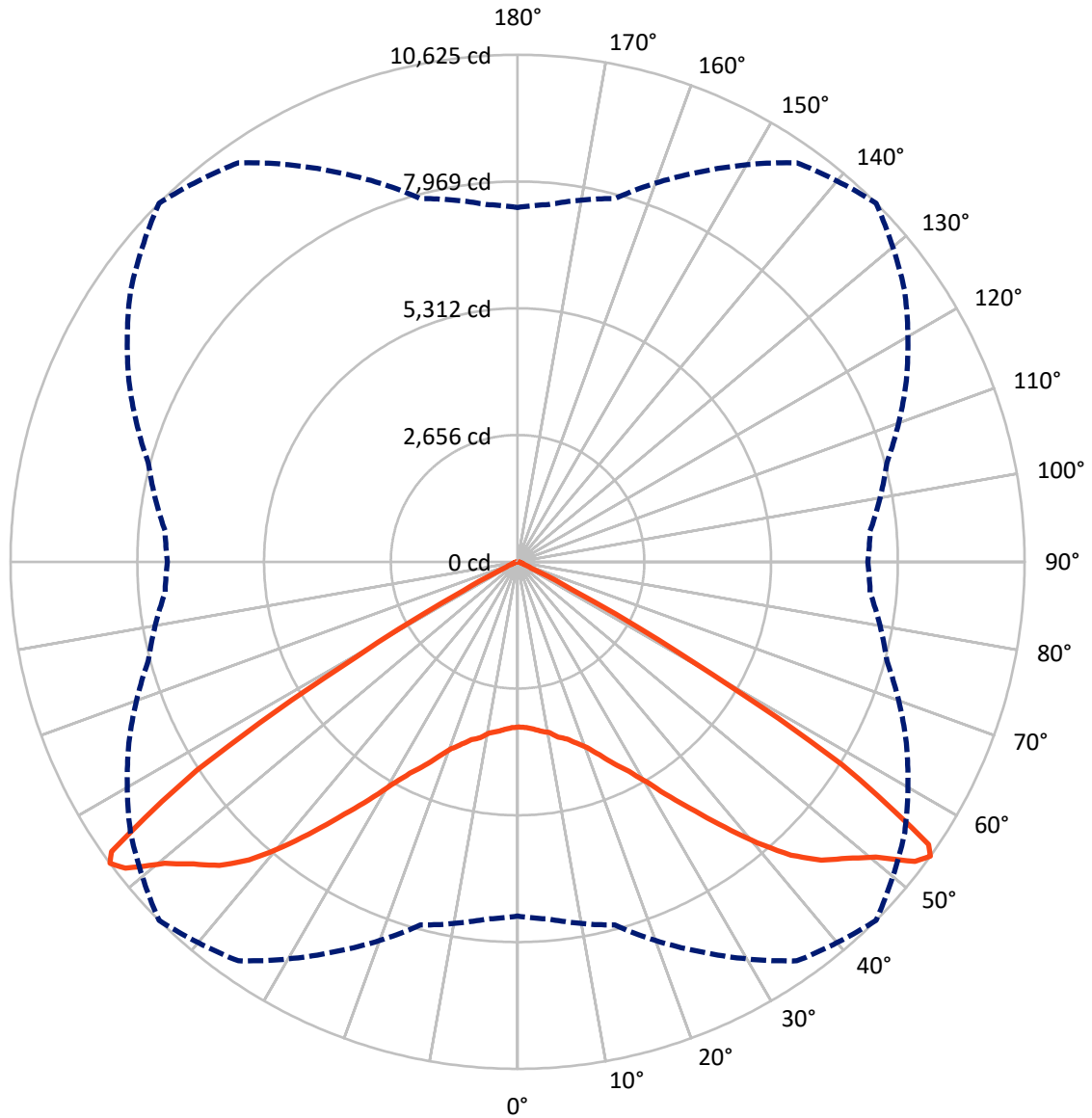
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10555.0	0.0	10555.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10555.0	0.0	10555.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21110.0	0.0	21110.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.8	1.6
10°-20°	1097.1	5.2
20°-30°	2150.3	10.2
30°-40°	3866.7	18.3
40°-50°	6619.0	31.4
50°-60°	6404.5	30.3
60°-70°	548.3	2.6
70°-80°	65.0	0.3
80°-90°	20.4	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°	21110.0	100.0
0°-180°	21110.0	100.0

**Coefficient of Utilization**



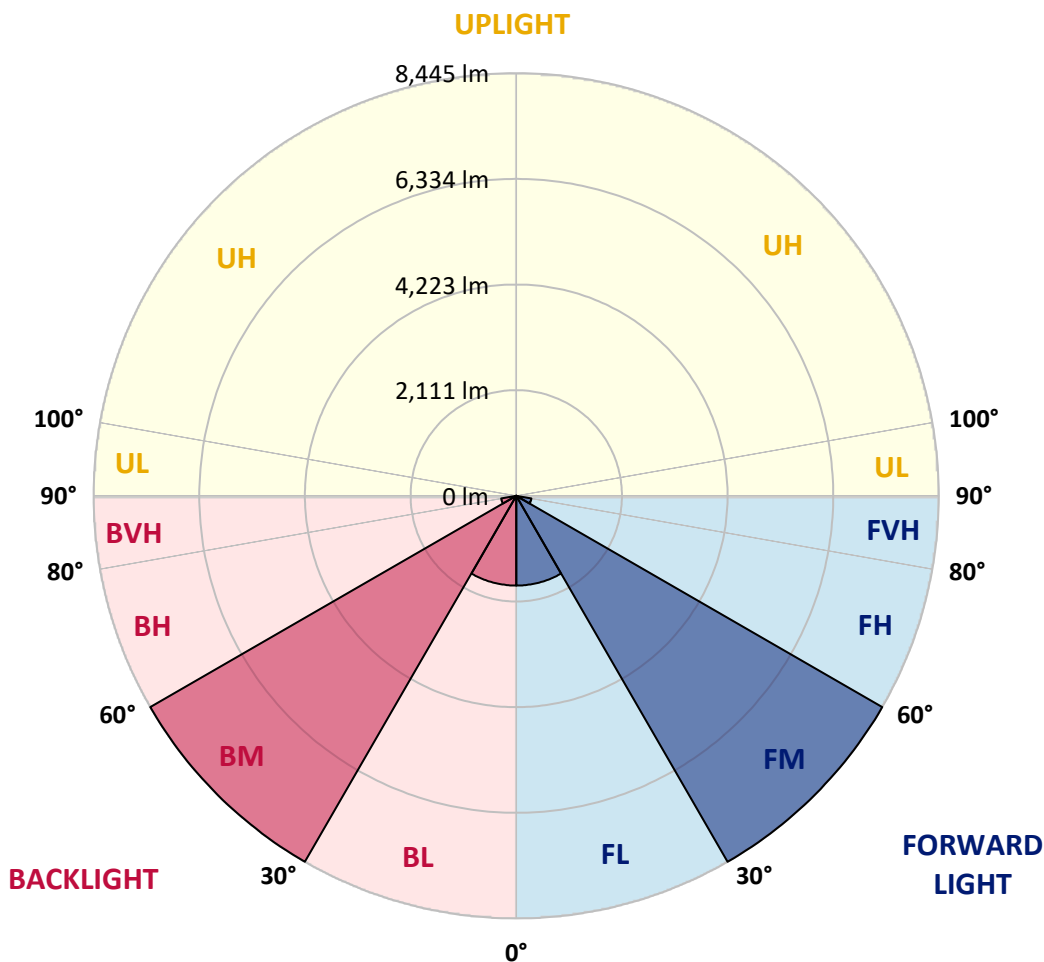
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.1	8.5			
FM (30°-60°)	8445.1	40.0			
FH (60°-80°)	306.6	1.5			G0/660
FVH (80°-90°)	10.2	0.0			G1/100
BL (0°-30°)	1793.1	8.5	B3/2500		
BM (30°-60°)	8445.1	40.0	B4/8500		
BH (60°-80°)	306.6	1.5	B1/500		G0/660
BVH (80°-90°)	10.2	0.0			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°	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4	3461.4
2.5°	3478.1	3498.2	3484.8	3494.8	3494.8	3478.1	3488.1	3448.0	3474.8	3454.7	3458.0
5°	3531.6	3528.3	3528.3	3531.6	3518.2	3524.9	3511.5	3498.2	3488.1	3474.8	3514.9
7.5°	3598.5	3598.5	3575.1	3581.8	3575.1	3585.1	3558.4	3531.6	3521.6	3511.5	3504.9
10°	3662.0	3655.4	3645.3	3675.4	3652.0	3638.6	3625.3	3608.5	3571.7	3558.4	3545.0
12.5°	3755.7	3752.3	3739.0	3769.1	3755.7	3769.1	3718.9	3675.4	3668.7	3625.3	3648.7
15°	3866.0	3896.1	3872.7	3872.7	3866.0	3849.3	3829.3	3809.2	3749.0	3732.3	3735.6
17.5°	4009.9	3999.8	4003.2	4003.2	4036.6	3993.1	3953.0	3902.8	3872.7	3862.7	3829.3
20°	4147.0	4160.3	4157.0	4180.4	4200.5	4153.7	4110.2	4103.5	4019.9	4033.3	3986.4
22.5°	4387.8	4377.7	4394.5	4411.2	4397.8	4391.1	4351.0	4300.8	4227.2	4193.8	4187.1
25°	4641.9	4625.2	4595.1	4635.2	4655.3	4685.4	4608.5	4581.7	4468.0	4417.9	4421.2
27.5°	4859.3	4882.7	4916.2	4932.9	4983.1	4973.0	4919.5	4832.6	4745.6	4688.8	4652.0
30°	5157.0	5170.3	5227.2	5250.6	5337.6	5361.0	5277.4	5177.0	5023.2	4949.6	4906.1
32.5°	5431.2	5524.8	5521.5	5638.5	5779.0	5876.0	5725.5	5571.7	5417.8	5330.9	5253.9
35°	5876.0	5859.3	5956.3	6080.0	6307.4	6417.8	6253.9	6076.6	5842.5	5702.1	5641.9
37.5°	6290.7	6297.4	6427.8	6625.1	6886.0	7056.5	6912.7	6621.8	6381.0	6200.4	6116.8
40°	6892.7	6906.0	7039.8	7263.9	7558.2	7742.1	7574.9	7280.6	6959.6	6819.1	6819.1
42.5°	7598.3	7655.2	7742.1	7936.1	8200.3	8404.3	8253.8	8023.0	7698.6	7518.1	7544.8
45°	8324.0	8350.8	8407.6	8695.3	8819.0	8919.3	8778.9	8671.8	8454.5	8233.7	8197.0
47.5°	9002.9	9013.0	9180.2	9270.5	9367.5	9283.9	9374.2	9233.7	8989.6	8775.5	8732.0
50°	9303.9	9287.2	9524.7	9798.9	9872.5	9725.3	9648.4	9554.8	9183.5	8926.0	8812.3
52.5°	8427.7	8524.7	8966.2	9728.7	10303.9	10427.6	9979.5	9548.1	8855.8	8354.1	8277.2
54°	7424.4	7514.7	7879.2	9009.6	10206.9	10624.9	9902.6	8986.2	8009.7	7414.4	7337.5
55°	6431.1	6330.8	6993.0	8146.8	9752.1	10451.0	9598.2	8260.5	7143.5	6598.4	6491.3
57.5°	3481.4	3498.2	4056.7	5146.9	6852.5	8013.0	7076.6	5588.4	4220.5	3608.5	3555.0
60°	1103.6	1130.4	1374.5	2080.2	3274.1	3909.5	3351.0	2244.0	1551.8	1244.1	1193.9
62.5°	344.5	357.8	391.3	581.9	896.3	1280.9	1003.3	602.0	448.1	411.4	418.0
65°	210.7	210.7	214.0	227.4	267.5	311.0	301.0	264.2	254.2	247.5	244.1
67.5°	137.1	133.8	140.5	150.5	157.2	160.5	170.6	180.6	177.2	170.6	170.6
70°	83.6	80.3	87.0	100.3	103.7	110.4	120.4	133.8	130.4	123.7	127.1
72.5°	46.8	46.8	50.2	60.2	70.2	76.9	87.0	97.0	100.3	97.0	97.0
75°	16.7	20.1	26.8	36.8	43.5	53.5	63.5	73.6	83.6	76.9	73.6
77.5°	6.7	6.7	13.4	23.4	33.4	43.5	60.2	70.2	76.9	70.2	63.5
80°	3.3	3.3	10.0	20.1	30.1	40.1	50.2	60.2	63.5	56.9	50.2
82.5°	3.3	3.3	10.0	20.1	30.1	36.8	53.5	60.2	66.9	60.2	50.2
85°	0.0	3.3	10.0	20.1	26.8	30.1	30.1	20.1	16.7	10.0	10.0
87.5°	0.0	0.0	3.3	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)