

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: P531211

Luminaire Tested: **GALN-SA6C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22786 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

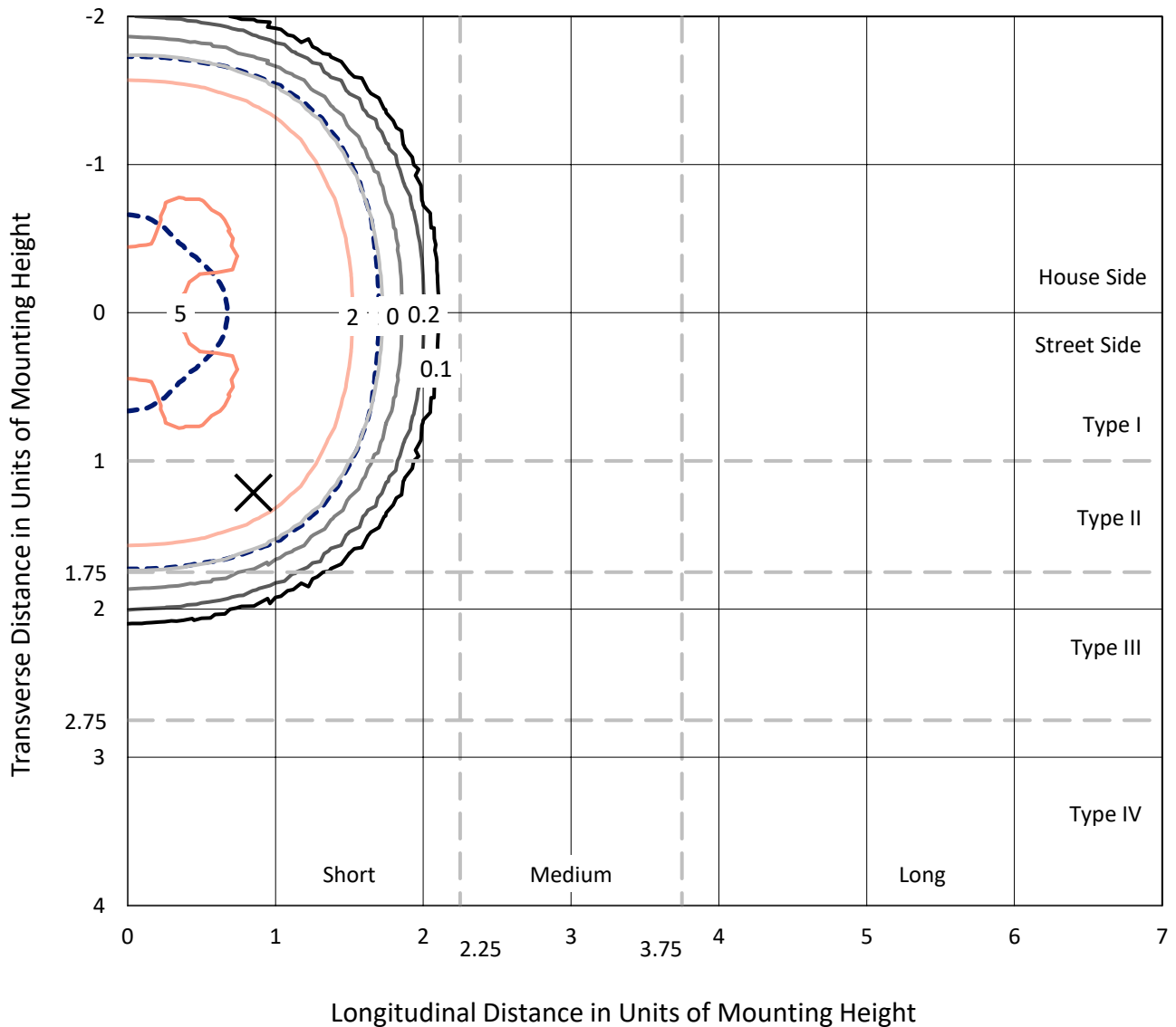
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

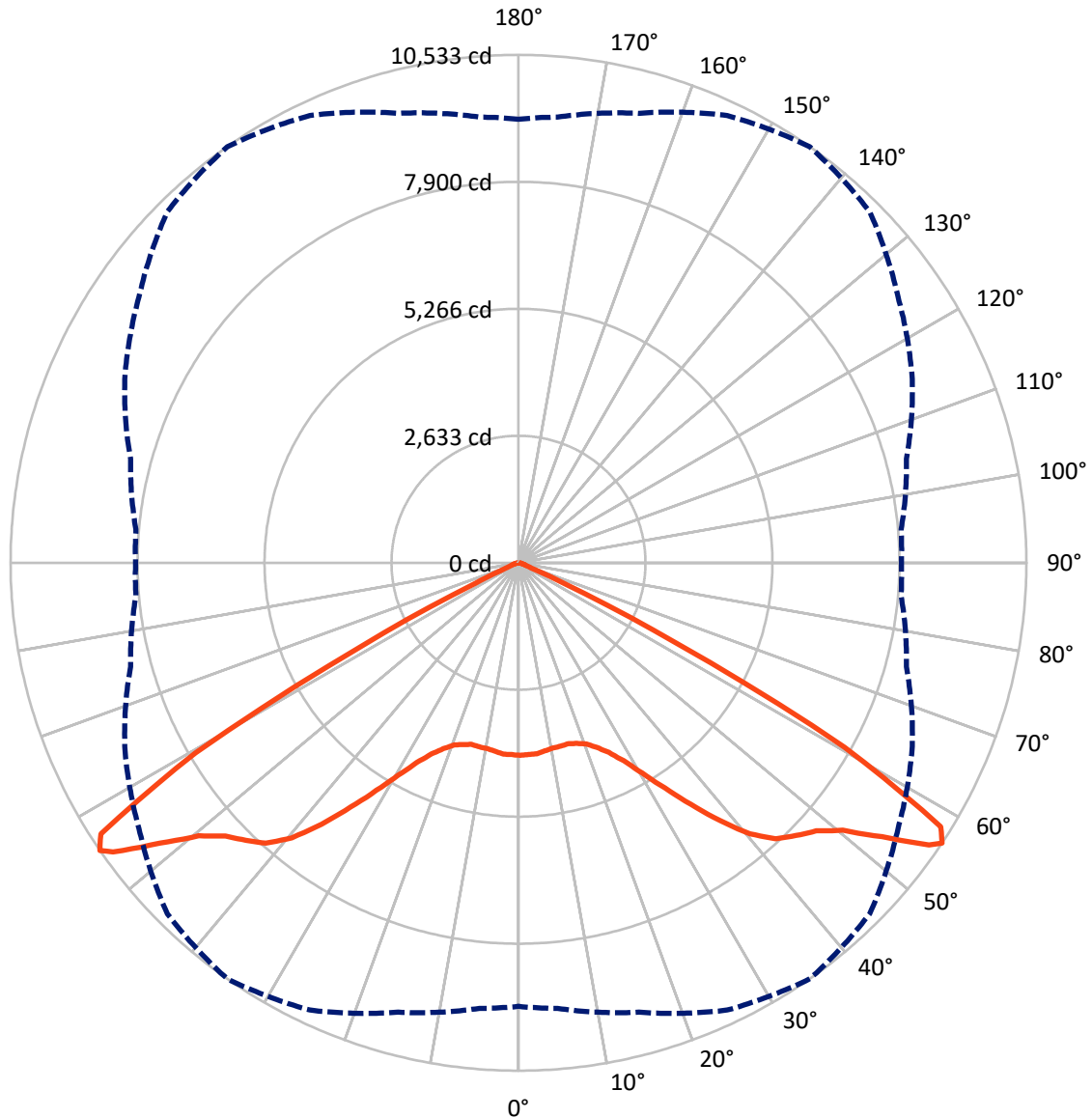
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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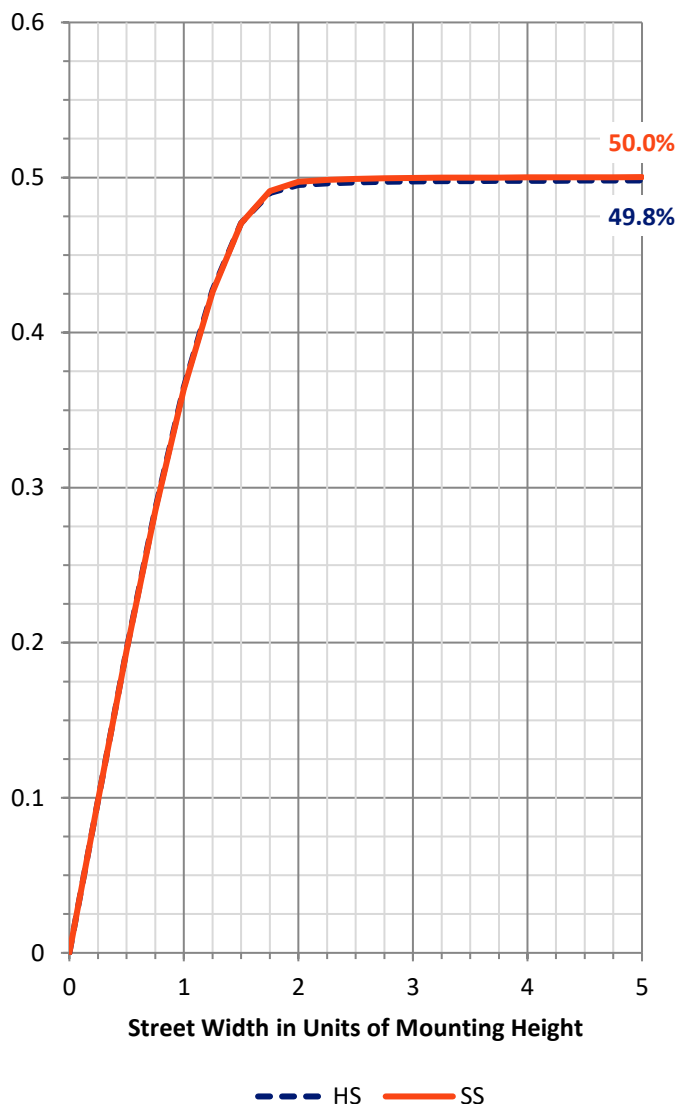
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11393.0	0.0	11393.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11393.0	0.0	11393.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22786.0	0.0	22786.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.2	1.6
10°-20°	1095.5	4.8
20°-30°	1983.8	8.7
30°-40°	3678.8	16.1
40°-50°	6038.4	26.5
50°-60°	7779.3	34.1
60°-70°	1714.5	7.5
70°-80°	99.5	0.4
80°-90°	20.9	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°	22786.0	100.0
0°-180°	22786.0	100.0

**Coefficient of Utilization**



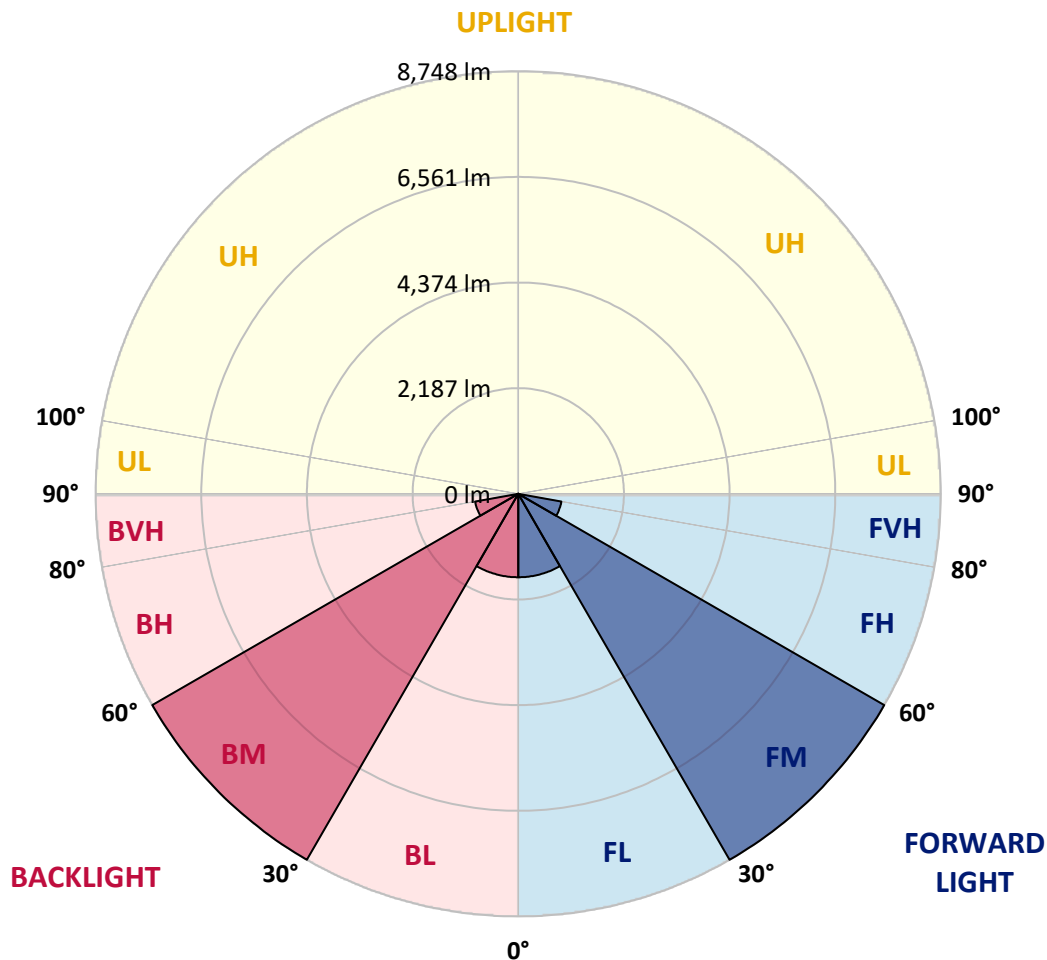
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1727.3	7.6			
FM (30°-60°)	8748.3	38.4			
FH (60°-80°)	907.0	4.0			G1/1800
FVH (80°-90°)	10.5	0.0			G1/100
BL (0°-30°)	1727.3	7.6	B3/2500		
BM (30°-60°)	8748.3	38.4	B5		
BH (60°-80°)	907.0	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6	3992.6
2.5°	4000.9	4000.9	4005.0	4009.1	3980.2	3967.8	3972.0	3963.7	3959.6	3972.0	3972.0
5°	3988.5	3988.5	3976.1	3980.2	3980.2	3943.1	3943.1	3951.3	3951.3	3926.5	3918.3
7.5°	3955.4	3947.2	3930.7	3951.3	3938.9	3938.9	3910.0	3889.4	3881.1	3897.6	3881.1
10°	3885.2	3889.4	3905.9	3914.1	3905.9	3930.7	3881.1	3852.2	3823.3	3810.9	3810.9
12.5°	3852.2	3877.0	3852.2	3872.9	3901.8	3881.1	3852.2	3831.6	3790.3	3773.8	3773.8
15°	3848.1	3864.6	3872.9	3901.8	3889.4	3897.6	3839.8	3815.1	3753.1	3724.2	3711.8
17.5°	3844.0	3864.6	3877.0	3930.7	3938.9	3943.1	3897.6	3823.3	3769.6	3740.7	3711.8
20°	3889.4	3897.6	3922.4	3976.1	4009.1	4066.9	3984.3	3905.9	3790.3	3757.3	3744.9
22.5°	3947.2	3988.5	4013.2	4071.0	4157.8	4207.3	4099.9	4000.9	3881.1	3839.8	3790.3
25°	4133.0	4124.7	4166.0	4285.7	4355.9	4393.1	4306.4	4161.9	4005.0	3955.4	3963.7
27.5°	4364.2	4372.5	4409.6	4541.7	4645.0	4702.8	4599.5	4409.6	4256.8	4174.3	4166.0
30°	4665.6	4657.3	4698.6	4876.2	5062.0	5148.7	4967.0	4744.0	4595.4	4488.1	4512.8
32.5°	4983.5	4987.6	5103.3	5264.3	5565.7	5735.0	5441.8	5169.3	4946.4	4872.0	4834.9
35°	5454.2	5474.9	5565.7	5813.4	6147.9	6366.7	6044.6	5718.5	5462.5	5326.2	5342.7
37.5°	6036.4	6015.7	6168.5	6436.9	6787.8	6948.9	6676.3	6304.8	6044.6	5953.8	6011.6
40°	6655.7	6676.3	6754.8	6998.4	7390.6	7498.0	7093.4	6891.0	6664.0	6618.5	6688.7
42.5°	7275.0	7262.6	7320.4	7539.3	7824.2	7749.9	7510.4	7390.6	7229.6	7138.8	7233.7
45°	7729.2	7708.6	7815.9	7964.6	8067.8	7927.4	7820.0	7778.8	7696.2	7597.1	7683.8
47.5°	8171.0	8154.5	8257.7	8299.0	8307.2	8121.4	8142.1	8216.4	8010.0	7803.5	7902.6
50°	8546.7	8517.8	8645.8	8736.6	8716.0	8418.7	8493.0	8418.7	8096.7	7853.1	7815.9
52.5°	9174.3	9186.7	9322.9	9488.1	9438.5	9190.8	9083.5	8744.9	8332.0	8113.2	7985.2
55°	9570.7	9508.7	9744.1	10268.4	10326.3	10070.3	9595.4	9095.9	8476.5	8208.2	8175.1
56°	9199.1	9277.5	9649.1	10235.4	10532.7	10297.4	9607.8	9009.1	8327.9	7964.6	7939.8
57.5°	8253.6	8212.3	8716.0	9517.0	10326.3	10227.2	9269.3	8389.8	7597.1	7188.3	7138.8
60°	5136.3	5256.0	5697.8	6688.7	7770.5	7820.0	6870.4	6114.8	5190.0	4826.6	4913.3
62.5°	2010.7	1907.5	2184.2	2923.2	3666.4	3831.6	3472.4	2886.1	2370.0	2010.7	1986.0
65°	466.6	454.2	512.0	706.0	986.8	1143.7	1085.9	780.4	573.9	545.0	503.7
67.5°	264.2	264.2	251.9	251.9	276.6	293.1	280.8	276.6	289.0	301.4	297.3
70°	185.8	181.7	173.4	177.5	169.3	169.3	181.7	202.3	218.8	218.8	223.0
72.5°	111.5	111.5	111.5	123.9	123.9	123.9	136.3	152.8	156.9	152.8	148.6
75°	49.5	49.5	57.8	70.2	78.4	82.6	95.0	103.2	111.5	103.2	95.0
77.5°	12.4	12.4	20.6	28.9	37.2	45.4	61.9	74.3	78.4	74.3	61.9
80°	4.1	4.1	8.3	20.6	37.2	45.4	61.9	66.1	70.2	61.9	49.5
82.5°	4.1	4.1	8.3	20.6	28.9	37.2	49.5	57.8	61.9	53.7	49.5
85°	0.0	4.1	8.3	16.5	24.8	33.0	33.0	24.8	20.6	12.4	16.5
87.5°	0.0	0.0	4.1	4.1	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)