

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: P530276

Luminaire Tested: **GALN-SA5C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5C-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28301 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 269  
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

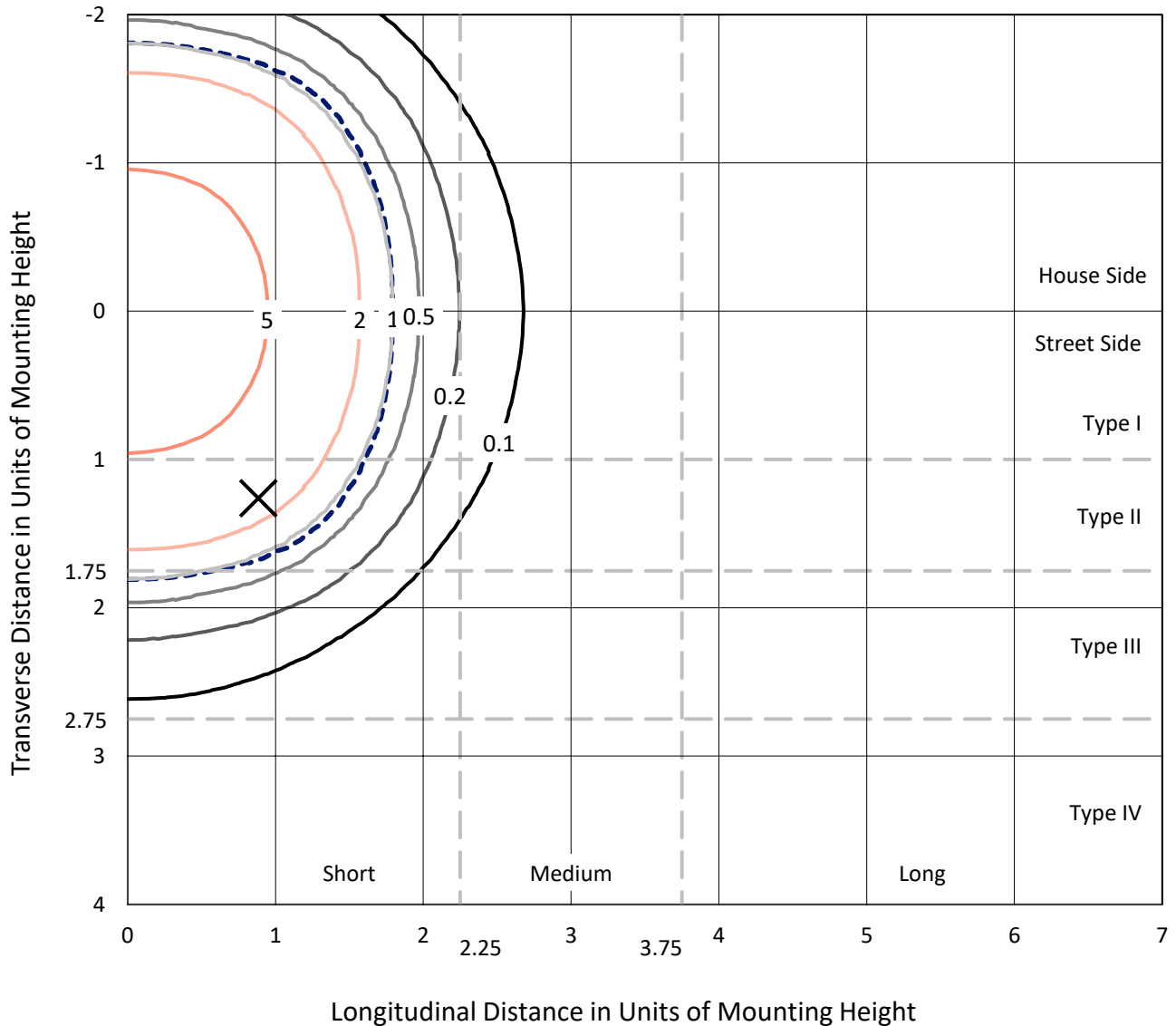




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### Iso-Footcandle Lines of Horizontal Illumination

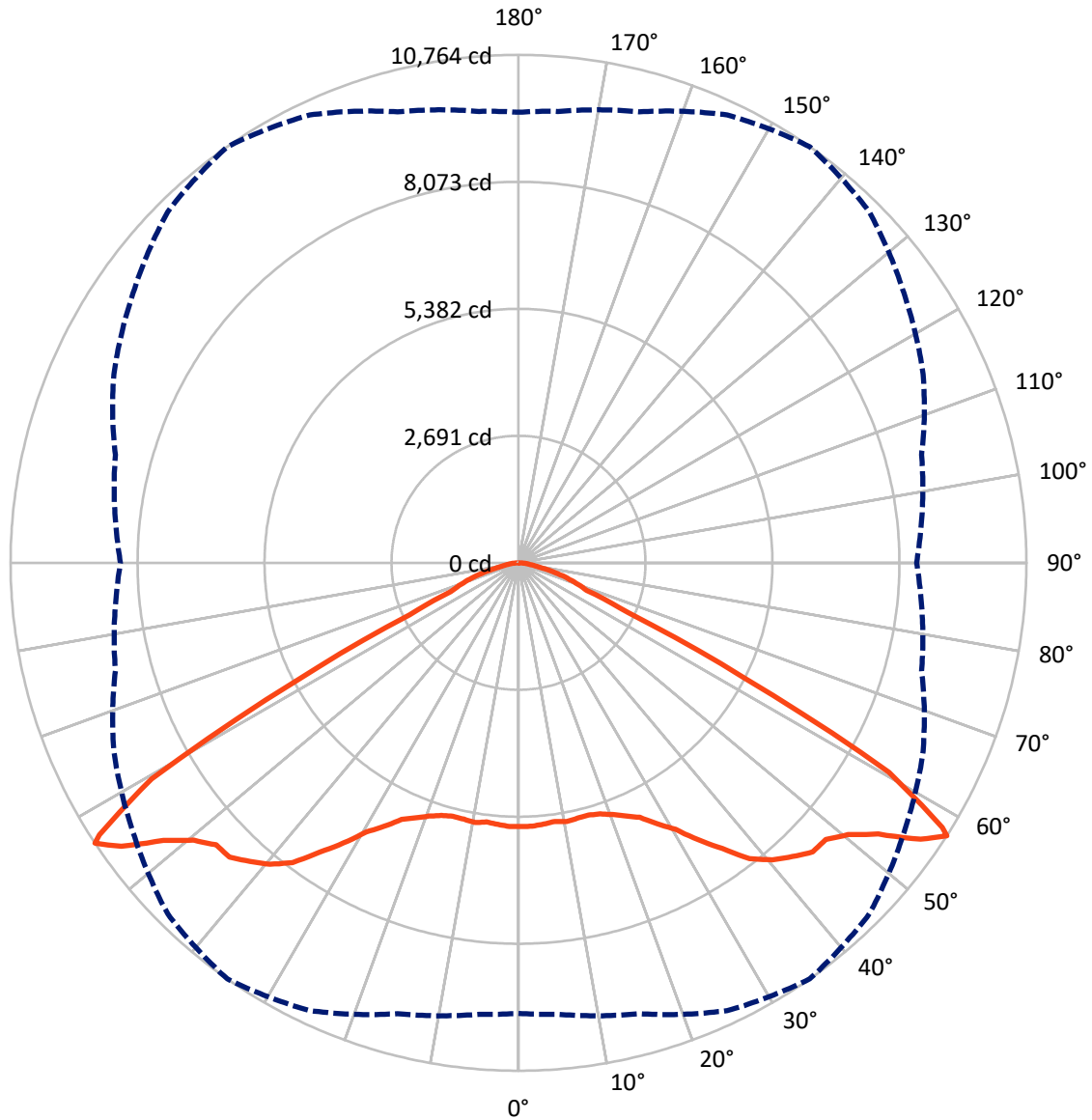
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14150.5	0.0	14150.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14150.5	0.0	14150.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28301.0	0.0	28301.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.9	1.9
10°-20°	1569.4	5.5
20°-30°	2740.9	9.7
30°-40°	4491.0	15.9
40°-50°	6584.8	23.3
50°-60°	8294.1	29.3
60°-70°	3119.3	11.0
70°-80°	829.4	2.9
80°-90°	142.2	0.5
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°	28301.0	100.0
0°-180°	28301.0	100.0

**Coefficient of Utilization**

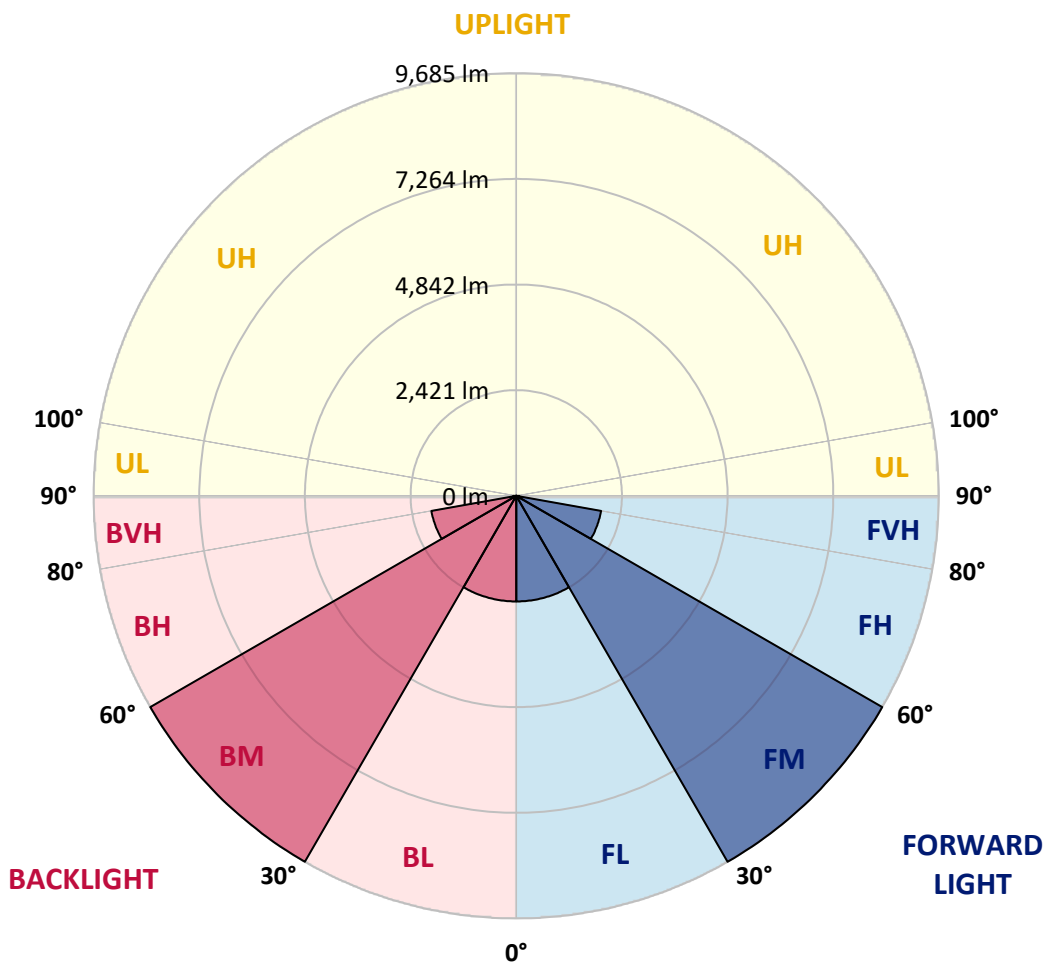


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2420.0	8.6			
FM (30°-60°)	9685.0	34.2			
FH (60°-80°)	1974.4	7.0			G2/5000
FVH (80°-90°)	71.1	0.3			G1/100
BL (0°-30°)	2420.0	8.6	B3/2500		
BM (30°-60°)	9685.0	34.2	B5		
BH (60°-80°)	1974.4	7.0	B3/2500		G2/5000
BVH (80°-90°)	71.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2	5589.2
2.5°	5561.3	5617.1	5592.7	5578.8	5589.2	5571.8	5543.9	5575.3	5568.3	5540.4	5530.0
5°	5547.4	5589.2	5561.3	5589.2	5561.3	5610.2	5596.2	5543.9	5606.7	5547.4	5568.3
7.5°	5536.9	5550.9	5557.9	5543.9	5533.5	5592.7	5561.3	5536.9	5502.1	5491.6	5509.0
10°	5512.5	5547.4	5495.1	5564.8	5578.8	5536.9	5536.9	5491.6	5463.7	5446.3	5505.6
12.5°	5575.3	5516.0	5509.0	5543.9	5554.4	5571.8	5523.0	5498.6	5446.3	5453.3	5442.8
15°	5502.1	5526.5	5530.0	5536.9	5547.4	5589.2	5543.9	5491.6	5470.7	5397.5	5404.4
17.5°	5530.0	5505.6	5530.0	5610.2	5596.2	5627.6	5578.8	5498.6	5449.8	5407.9	5463.7
20°	5578.8	5568.3	5578.8	5676.4	5693.8	5721.7	5679.9	5606.7	5512.5	5463.7	5491.6
22.5°	5631.1	5624.1	5631.1	5725.2	5826.3	5861.2	5819.4	5648.5	5599.7	5509.0	5477.7
25°	5725.2	5732.2	5805.4	5910.0	5976.3	6042.5	5965.8	5843.8	5686.9	5631.1	5564.8
27.5°	5934.4	5951.9	5993.7	6147.1	6262.2	6321.5	6213.4	6046.0	5948.4	5833.3	5815.9
30°	6192.4	6192.4	6265.7	6398.2	6555.1	6645.7	6513.2	6314.5	6195.9	6133.2	6094.8
32.5°	6534.1	6495.8	6523.7	6757.3	7001.4	7078.1	6900.3	6656.2	6467.9	6384.2	6356.3
35°	6827.0	6851.4	6914.2	7165.2	7437.2	7615.0	7336.1	7018.8	6827.0	6750.3	6736.4
37.5°	7207.1	7248.9	7280.3	7625.5	7953.2	8019.5	7751.0	7496.5	7262.9	7200.1	7165.2
40°	7744.0	7716.1	7726.6	7981.1	8277.5	8319.4	8054.4	7873.1	7681.3	7642.9	7642.9
42.5°	8186.9	8155.5	8190.3	8284.5	8511.1	8479.7	8333.3	8200.8	8120.6	8078.8	8120.6
45°	8455.3	8448.4	8511.1	8580.9	8741.2	8636.6	8521.6	8542.5	8465.8	8396.1	8392.6
47.5°	8748.2	8702.9	8779.6	8884.2	8762.2	8713.4	8706.4	8751.7	8727.3	8605.3	8566.9
50°	8891.2	8873.7	8995.8	9117.8	9051.6	8940.0	8964.4	9037.6	8723.8	8559.9	8465.8
52.5°	9274.7	9278.2	9511.8	9578.1	9550.2	9386.3	9438.6	9239.9	8870.3	8640.1	8650.6
55°	9877.9	9853.5	10115.0	10310.3	10341.7	10132.5	9881.4	9602.5	9138.7	8905.1	8835.4
57°	9546.7	9602.5	9891.9	10470.7	10763.6	10516.0	9968.6	9459.5	8842.4	8559.9	8434.4
57.5°	9103.9	9194.5	9696.6	10278.9	10585.7	10564.8	9860.5	9194.5	8643.6	8204.3	8214.8
60°	6670.1	6687.6	7140.8	8064.8	9023.7	9044.6	8186.9	7304.7	6691.0	6213.4	6279.6
62.5°	3518.1	3598.3	3779.6	4522.3	5352.1	5554.4	5034.8	4581.6	4051.6	3689.0	3723.8
65°	1861.9	1851.5	1938.6	2147.8	2555.8	2660.4	2590.6	2231.5	2046.7	1987.4	1990.9
67.5°	1513.2	1530.7	1520.2	1530.7	1558.6	1603.9	1593.4	1607.4	1617.8	1635.3	1631.8
70°	1283.1	1283.1	1290.1	1293.6	1293.6	1314.5	1338.9	1384.2	1387.7	1405.2	1412.1
72.5°	1011.2	1004.2	1014.6	1039.0	1042.5	1060.0	1094.8	1122.7	1133.2	1133.2	1112.3
75°	686.9	693.9	707.8	728.7	749.6	781.0	808.9	826.4	833.3	822.9	812.4
77.5°	387.0	394.0	404.5	435.8	460.2	488.1	519.5	537.0	554.4	557.9	537.0
80°	230.1	230.1	247.6	272.0	299.9	327.8	355.6	376.6	383.5	383.5	373.1
82.5°	139.5	143.0	156.9	181.3	205.7	223.2	247.6	265.0	278.9	275.5	268.5
85°	73.2	73.2	87.2	108.1	125.5	143.0	143.0	132.5	125.5	108.1	101.1
87.5°	24.4	20.9	27.9	27.9	24.4	27.9	27.9	31.4	31.4	31.4	31.4
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)