

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: P529348

Luminaire Tested: **GALN-SA4C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4C-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22193 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

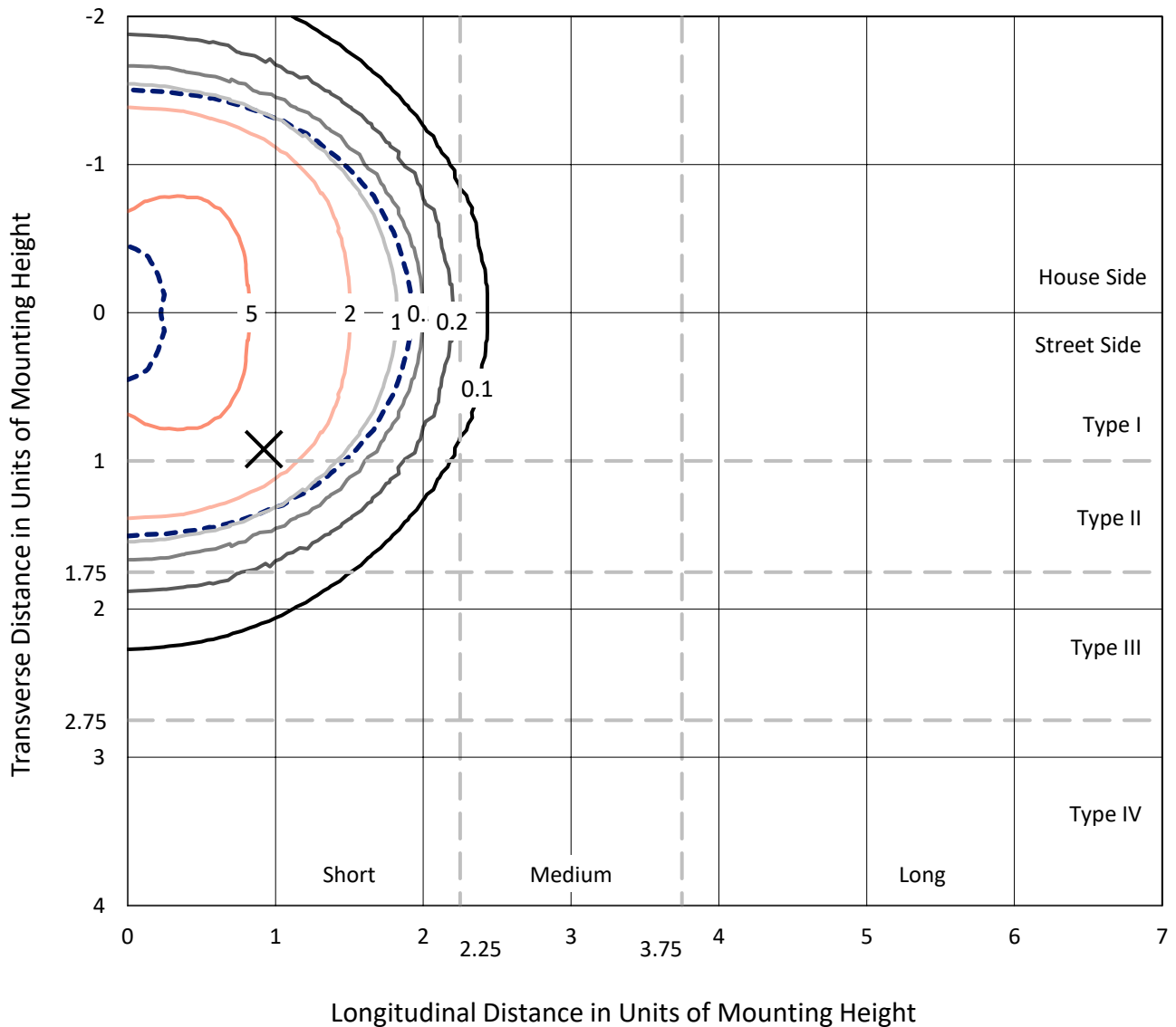
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

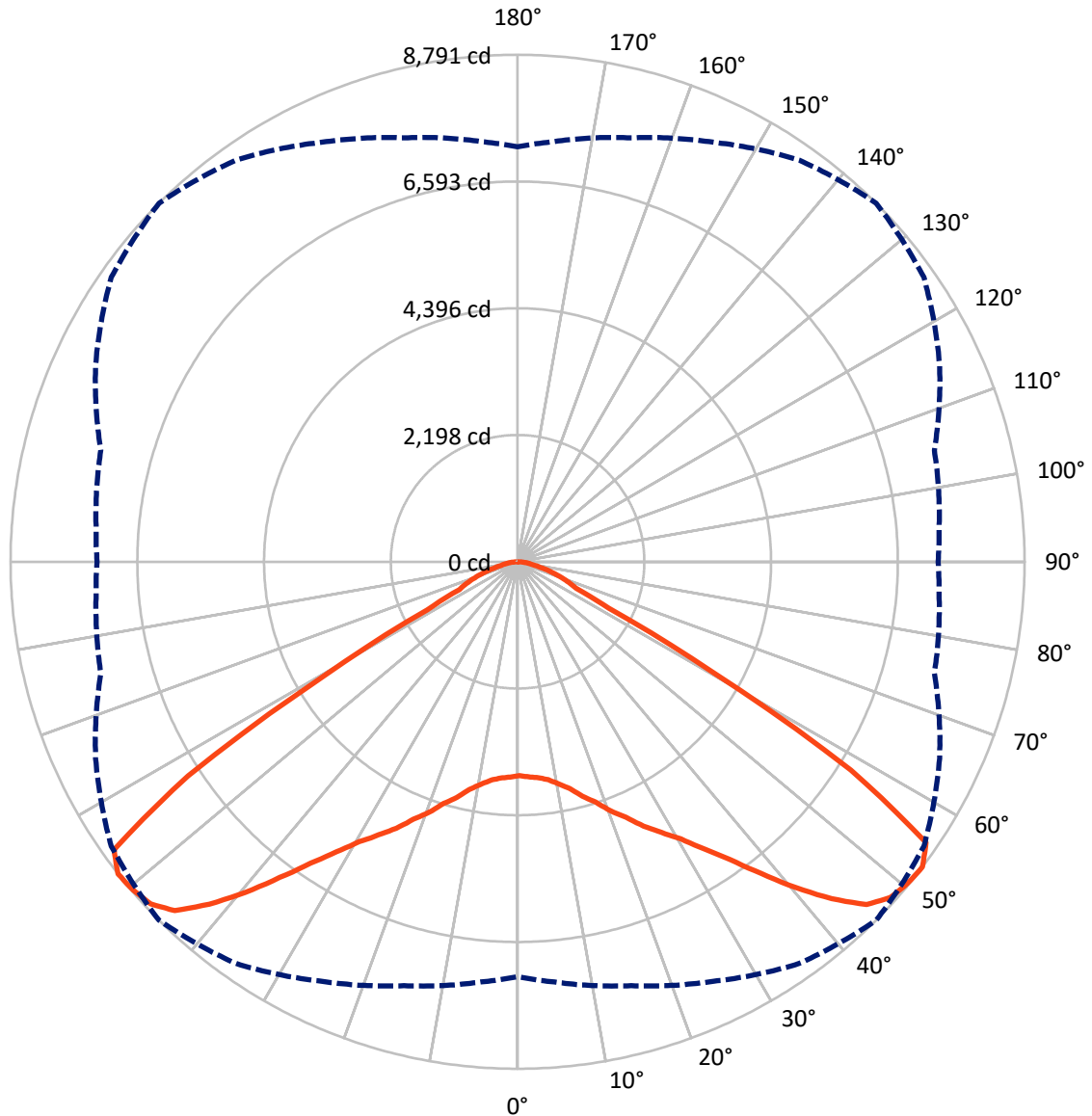
× Max cd  
 - - - 1/2 Max cd



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 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11096.5	0.0	11096.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11096.5	0.0	11096.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22193.0	0.0	22193.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.5	1.6
10°-20°	1197.7	5.4
20°-30°	2280.2	10.3
30°-40°	3915.2	17.6
40°-50°	6017.8	27.1
50°-60°	6111.0	27.5
60°-70°	1703.1	7.7
70°-80°	502.4	2.3
80°-90°	101.2	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°	22193.0	100.0
0°-180°	22193.0	100.0

**Coefficient of Utilization**



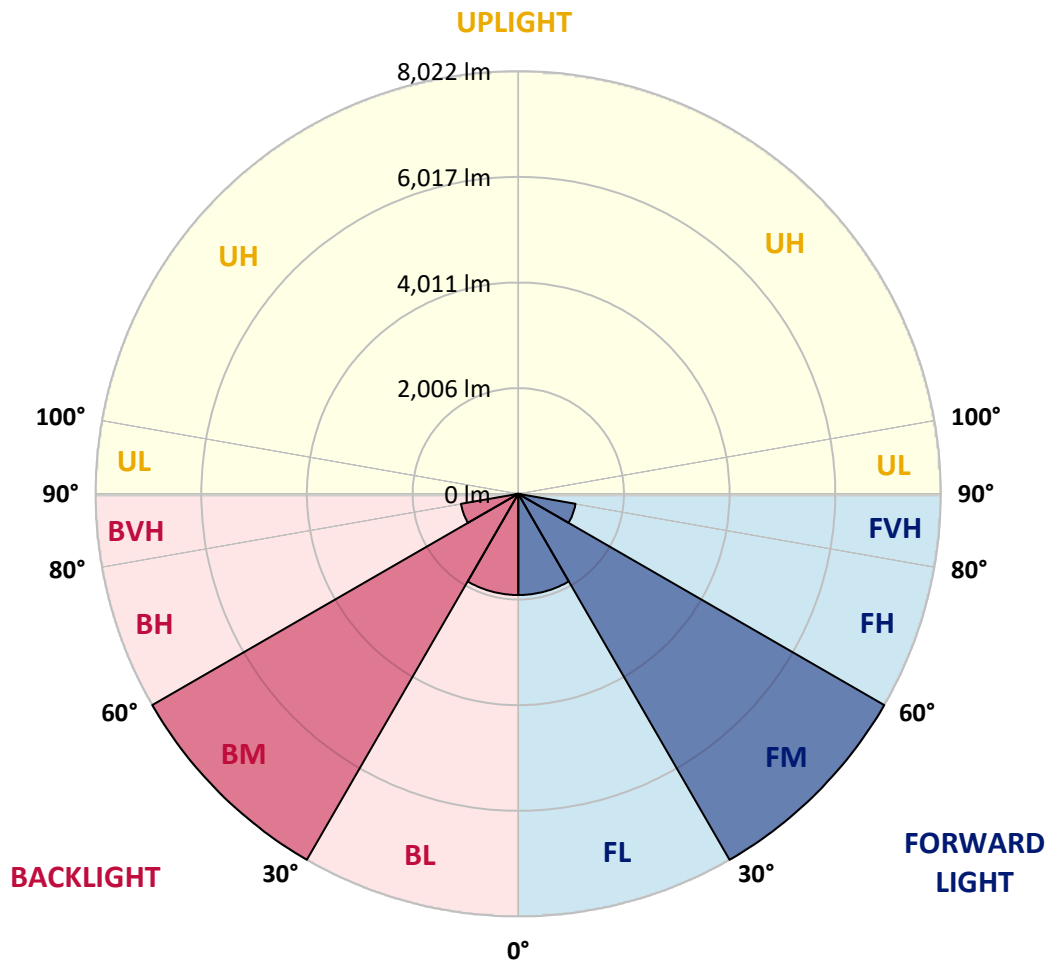
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1921.2	8.7			
FM (30°-60°)	8022.0	36.1			
FH (60°-80°)	1102.7	5.0			G1/1800
FVH (80°-90°)	50.6	0.2			G1/100
BL (0°-30°)	1921.2	8.7	B3/2500		
BM (30°-60°)	8022.0	36.1	B4/8500		
BH (60°-80°)	1102.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	50.6	0.2			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°	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9
2.5°	3718.1	3679.6	3693.3	3701.6	3737.4	3734.6	3726.4	3737.4	3748.4	3751.2	3745.7
5°	3715.4	3687.8	3698.8	3707.1	3742.9	3762.2	3756.7	3803.5	3836.5	3828.3	3869.6
7.5°	3693.3	3709.9	3696.1	3737.4	3767.7	3814.5	3864.1	3908.2	3949.5	3996.3	4004.5
10°	3742.9	3742.9	3767.7	3800.7	3880.6	3916.4	3988.0	4051.4	4131.2	4186.3	4164.3
12.5°	3795.2	3803.5	3803.5	3888.9	3955.0	4034.8	4100.9	4186.3	4299.2	4365.3	4398.4
15°	3847.6	3853.1	3880.6	3996.3	4095.4	4222.1	4282.7	4359.8	4423.2	4547.1	4549.9
17.5°	3894.4	3924.7	4007.3	4136.7	4260.7	4381.9	4478.3	4558.1	4613.2	4662.8	4651.8
20°	4070.6	4092.7	4178.1	4307.5	4492.0	4610.5	4643.5	4657.3	4693.1	4792.2	4761.9
22.5°	4241.4	4249.7	4329.5	4527.8	4657.3	4814.3	4850.1	4841.8	4855.6	4880.4	4924.4
25°	4417.7	4431.4	4541.6	4709.6	4891.4	5078.7	5109.0	5045.6	5026.3	5053.9	5056.6
27.5°	4643.5	4646.3	4786.7	4932.7	5139.3	5315.5	5362.3	5312.8	5221.9	5243.9	5279.7
30°	4929.9	4910.7	5051.1	5260.4	5478.0	5577.2	5657.0	5632.3	5533.1	5513.8	5483.5
32.5°	5260.4	5266.0	5392.6	5621.2	5764.5	5929.7	6015.1	5973.8	5910.4	5877.4	5896.7
35°	5725.9	5750.7	5836.1	6026.1	6257.4	6340.1	6475.0	6386.9	6221.6	6263.0	6298.8
37.5°	6108.7	6180.3	6340.1	6565.9	6703.6	6855.1	6904.7	6786.2	6665.1	6615.5	6733.9
40°	6695.4	6673.3	6849.6	7075.4	7279.2	7430.7	7367.4	7248.9	6948.7	6951.5	6984.5
42.5°	7199.4	7210.4	7345.3	7615.3	7893.4	7987.1	7786.0	7496.8	7163.6	7127.8	7199.4
45°	7623.5	7667.6	7744.7	8105.5	8378.2	8480.1	8108.2	7766.7	7320.6	7171.8	7290.3
47.5°	7775.0	7846.6	8014.6	8345.1	8615.0	8697.6	8400.2	7909.9	7466.5	7224.2	7287.5
50°	7797.0	7772.2	8047.7	8350.6	8587.5	8766.5	8504.8	8014.6	7430.7	7304.0	7284.8
52.5°	7193.9	7315.0	7609.7	8025.6	8504.8	8791.3	8598.5	8072.4	7480.3	7337.1	7290.3
55°	5822.3	5679.1	6216.1	6915.7	7797.0	8593.0	8565.4	8102.7	7510.6	7392.2	7328.8
57.5°	3249.9	3291.2	3594.2	4354.3	5491.8	6813.8	7615.3	7783.3	7496.8	7428.0	7461.0
60°	1503.8	1517.5	1647.0	2002.3	2707.3	3864.1	4918.9	5990.3	6483.3	6582.4	6582.4
62.5°	1120.9	1115.4	1148.5	1211.8	1360.6	1776.4	2371.3	3222.4	3899.9	4373.6	4497.5
65°	1013.5	1010.8	1027.3	1049.3	1060.4	1118.2	1250.4	1512.0	1732.4	1859.1	1837.0
67.5°	886.8	884.1	889.6	903.4	922.6	952.9	986.0	1041.1	1118.2	1112.7	1098.9
70°	716.1	716.1	724.3	735.4	757.4	793.2	831.8	870.3	936.4	950.2	947.4
72.5°	528.8	520.5	537.1	559.1	581.1	625.2	666.5	702.3	749.1	762.9	757.4
75°	336.0	341.5	352.5	377.3	415.9	446.2	490.2	520.5	550.8	561.8	564.6
77.5°	187.3	192.8	212.1	242.4	280.9	314.0	352.5	377.3	396.6	399.4	402.1
80°	112.9	115.7	135.0	162.5	195.5	231.3	261.6	286.4	303.0	294.7	291.9
82.5°	68.9	71.6	88.1	112.9	140.5	168.0	201.1	223.1	239.6	228.6	217.6
85°	35.8	38.6	52.3	68.9	90.9	104.7	104.7	93.6	90.9	85.4	82.6
87.5°	11.0	11.0	13.8	16.5	13.8	16.5	19.3	22.0	22.0	24.8	22.0
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)