

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: P529291

Luminaire Tested: **GALN-SA4C-722-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529291  
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-SA4C-722-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2200K, 1050mA 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: 10665 lumens  
Efficiency: N/A  
Efficacy: 50.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

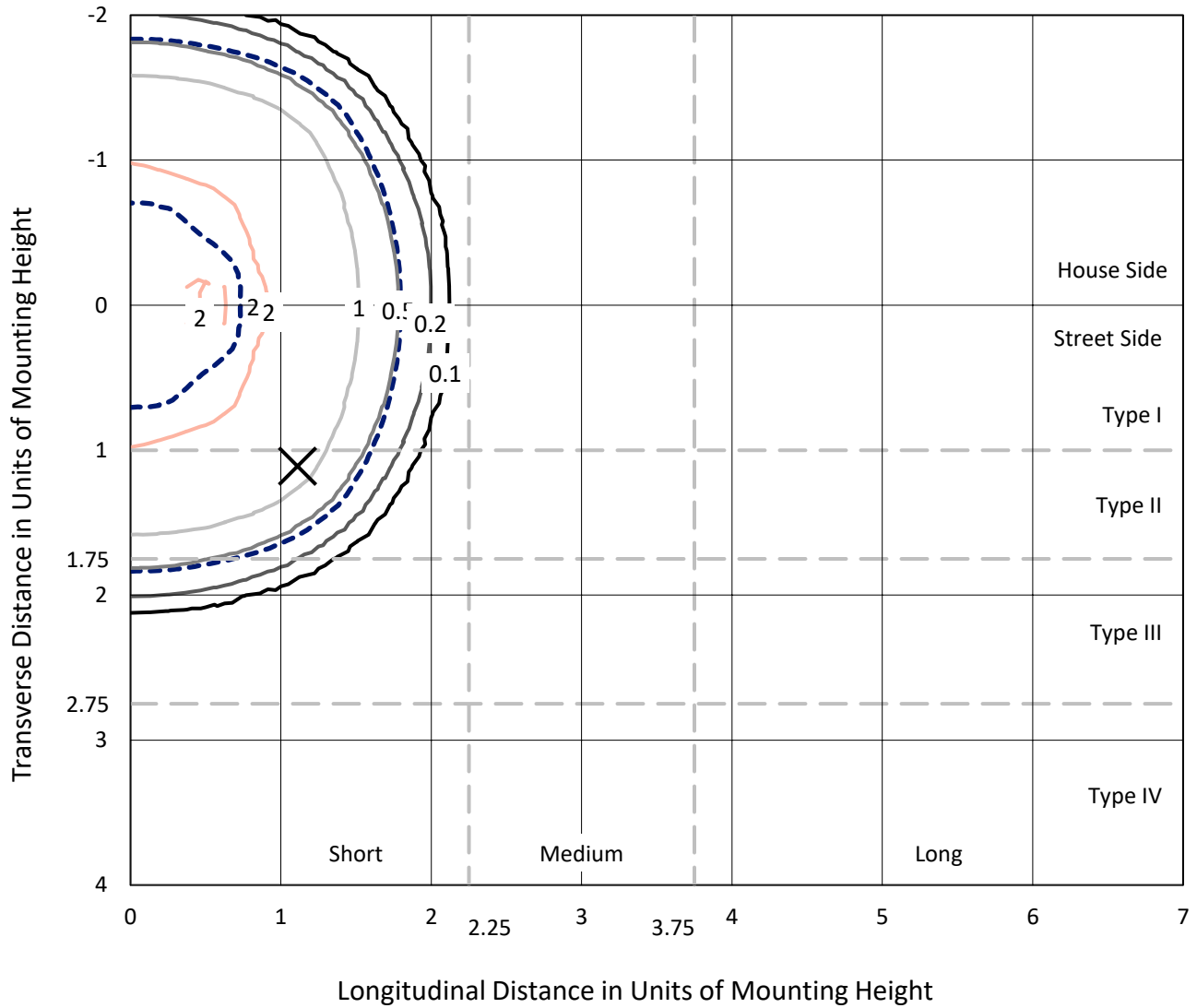
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

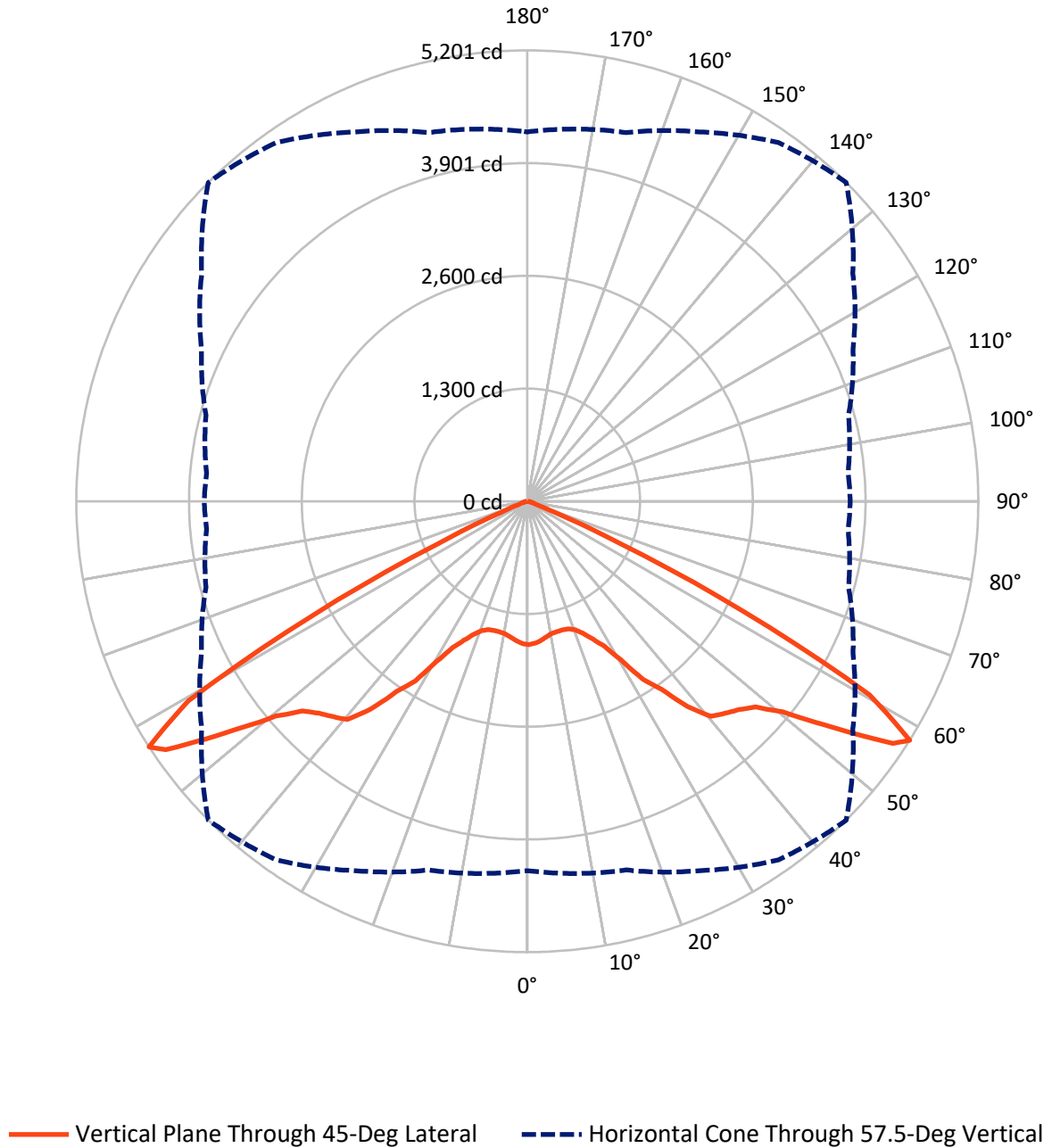
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	5332.5	0.0	5332.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5332.5	0.0	5332.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10665.0	0.0	10665.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.0	1.4
10°-20°	439.4	4.1
20°-30°	811.1	7.6
30°-40°	1595.1	15.0
40°-50°	2597.9	24.4
50°-60°	3705.0	34.7
60°-70°	1282.8	12.0
70°-80°	68.8	0.6
80°-90°	12.9	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°	10665.0	100.0
0°-180°	10665.0	100.0

**Coefficient of Utilization**

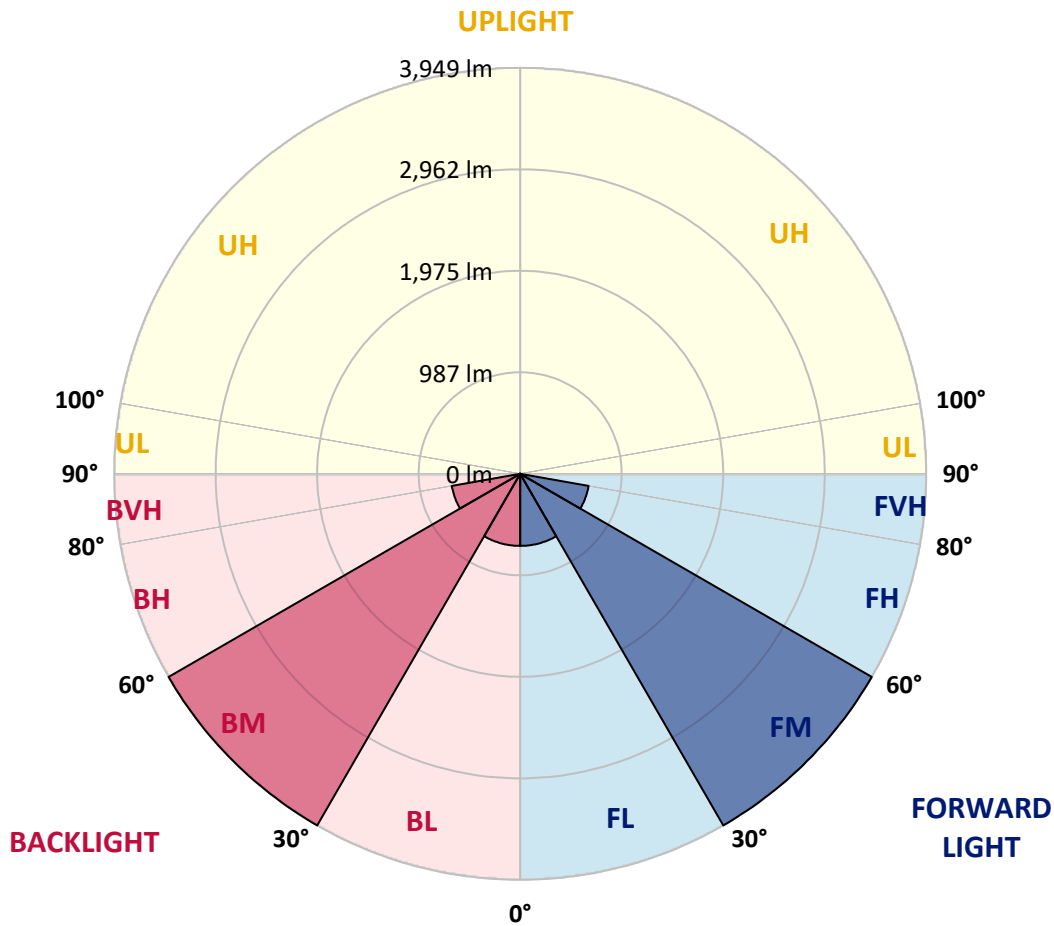


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.2	6.6			
FM (30°-60°)	3949.0	37.0			
FH (60°-80°)	675.8	6.3			G1/1800
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	701.2	6.6	B2/1000		
BM (30°-60°)	3949.0	37.0	B3/5000		
BH (60°-80°)	675.8	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3	1654.3
2.5°	1649.8	1658.7	1647.6	1643.1	1640.9	1640.9	1634.2	1634.2	1632.0	1634.2	1625.3
5°	1623.1	1632.0	1632.0	1629.8	1616.5	1614.2	1607.6	1603.1	1605.3	1596.4	1603.1
7.5°	1596.4	1603.1	1594.2	1592.0	1587.5	1578.7	1576.4	1556.4	1558.6	1558.6	1563.1
10°	1592.0	1589.8	1576.4	1565.3	1552.0	1549.8	1543.1	1538.6	1538.6	1536.4	1543.1
12.5°	1592.0	1580.9	1578.7	1554.2	1532.0	1540.9	1523.1	1512.0	1527.5	1532.0	1540.9
15°	1589.8	1600.9	1563.1	1552.0	1536.4	1538.6	1523.1	1512.0	1520.8	1525.3	1532.0
17.5°	1603.1	1596.4	1585.3	1563.1	1556.4	1547.5	1527.5	1518.6	1518.6	1529.7	1532.0
20°	1638.7	1620.9	1598.7	1587.5	1594.2	1583.1	1558.6	1525.3	1534.2	1543.1	1549.8
22.5°	1672.0	1658.7	1643.1	1636.5	1674.3	1656.5	1614.2	1576.4	1563.1	1578.7	1589.8
25°	1736.5	1736.5	1707.6	1716.5	1758.8	1761.0	1712.1	1645.4	1636.5	1643.1	1647.6
27.5°	1867.7	1874.4	1849.9	1858.8	1876.6	1892.2	1849.9	1794.3	1774.3	1772.1	1778.8
30°	2010.0	2023.3	2021.1	2058.9	2110.1	2119.0	2056.7	1965.5	1905.5	1894.4	1903.3
32.5°	2196.8	2203.4	2199.0	2243.5	2381.3	2445.8	2283.5	2154.5	2074.5	2094.5	2074.5
35°	2548.1	2541.4	2492.5	2501.4	2614.8	2661.5	2505.8	2423.6	2385.8	2425.8	2416.9
37.5°	2850.5	2826.0	2786.0	2843.8	2961.6	3003.9	2841.6	2697.1	2628.1	2694.8	2723.7
40°	3106.2	3043.9	2988.3	3046.1	3204.0	3261.8	3023.9	2906.1	2879.4	2928.3	2990.6
42.5°	3321.8	3281.8	3208.5	3212.9	3317.4	3344.1	3152.9	3083.9	3057.3	3135.1	3166.2
45°	3475.3	3437.5	3368.5	3364.1	3444.1	3426.3	3255.1	3208.5	3224.0	3275.2	3290.7
47.5°	3553.1	3573.1	3533.1	3544.2	3586.4	3544.2	3408.6	3408.6	3373.0	3404.1	3388.6
50°	3777.7	3715.4	3766.5	3766.5	3811.0	3815.5	3679.8	3630.9	3535.3	3481.9	3481.9
52.5°	4040.0	4044.5	4064.5	4137.9	4213.5	4277.9	4084.5	3875.5	3715.4	3646.5	3637.6
55°	4255.7	4300.2	4380.2	4518.1	4736.0	4824.9	4491.4	4117.8	3922.2	3815.5	3793.2
56°	4373.5	4331.3	4469.2	4658.1	4942.7	5058.4	4558.1	4166.8	3951.1	3831.0	3828.8
57.5°	4260.1	4306.8	4402.4	4700.4	5049.5	5200.7	4582.5	4144.5	3835.5	3713.2	3724.3
60°	3364.1	3408.6	3537.5	3871.0	4418.0	4535.9	3877.7	3417.5	3141.7	2966.1	2968.3
62.5°	1903.3	1936.6	2036.7	2345.7	2685.9	2799.3	2416.9	2110.1	1918.8	1821.0	1789.9
65°	700.4	687.0	702.6	860.5	1069.5	1165.1	1005.0	849.4	749.3	713.7	700.4
67.5°	262.4	242.4	226.8	242.4	304.6	322.4	295.7	246.8	231.2	237.9	242.4
70°	162.3	153.4	122.3	115.6	113.4	111.2	117.8	124.5	142.3	166.8	171.2
72.5°	113.4	106.7	86.7	82.3	77.8	75.6	86.7	95.6	111.2	129.0	131.2
75°	44.5	46.7	44.5	48.9	51.1	53.4	62.3	68.9	75.6	75.6	73.4
77.5°	8.9	8.9	13.3	17.8	22.2	28.9	42.2	48.9	51.1	48.9	42.2
80°	0.0	0.0	4.4	8.9	17.8	24.5	37.8	42.2	46.7	42.2	33.4
82.5°	0.0	0.0	4.4	11.1	17.8	22.2	35.6	44.5	51.1	46.7	35.6
85°	0.0	0.0	4.4	8.9	13.3	15.6	15.6	11.1	11.1	6.7	4.4
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)