

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: P527545

Luminaire Tested: **GALN-SA2C-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527545  
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-SA2C-750-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 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: 8485 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

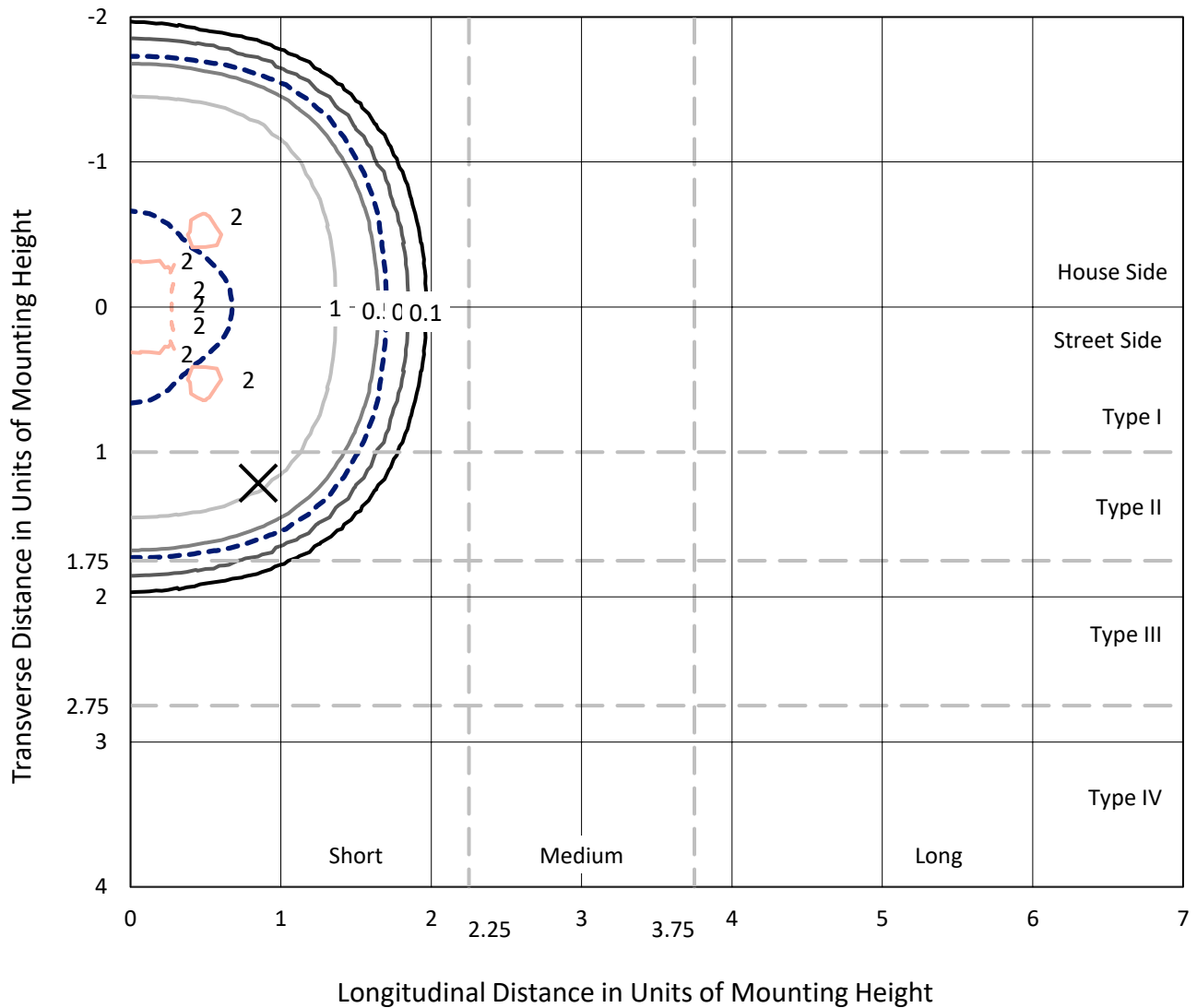
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

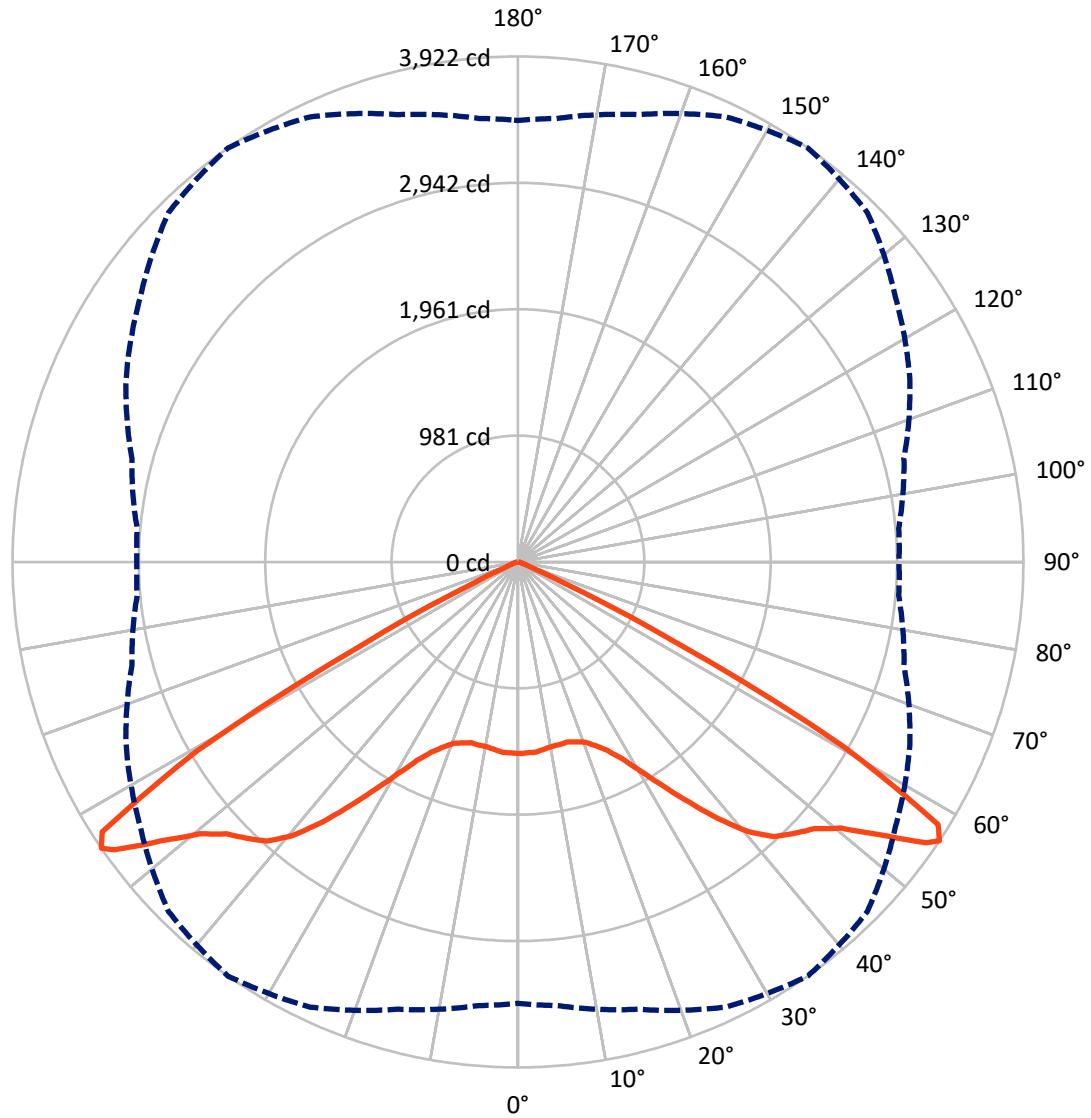
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	4242.5	0.0	4242.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4242.5	0.0	4242.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8485.0	0.0	8485.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.7	1.6
10°-20°	408.0	4.8
20°-30°	738.7	8.7
30°-40°	1369.9	16.1
40°-50°	2248.6	26.5
50°-60°	2896.8	34.1
60°-70°	638.4	7.5
70°-80°	37.0	0.4
80°-90°	7.8	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°	8485.0	100.0
0°-180°	8485.0	100.0

**Coefficient of Utilization**

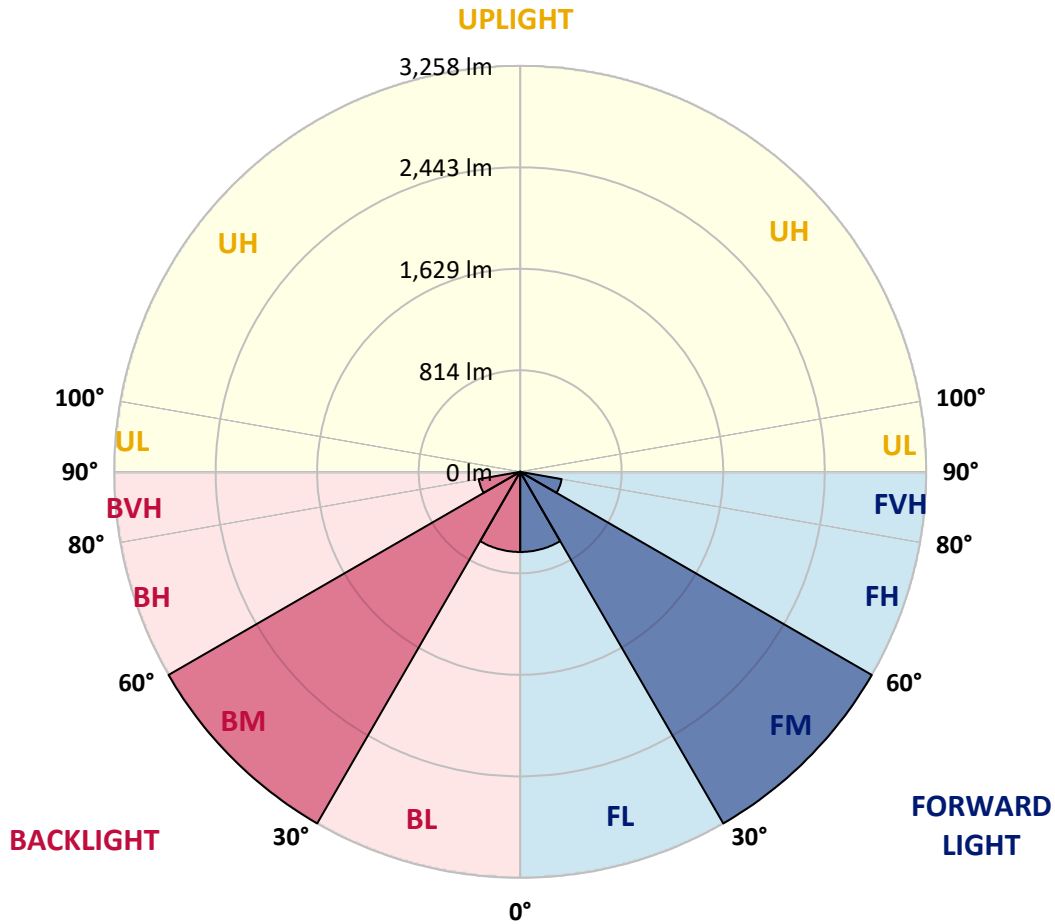


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.2	7.6			
FM (30°-60°)	3257.6	38.4			
FH (60°-80°)	337.7	4.0			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	643.2	7.6	B2/1000		
BM (30°-60°)	3257.6	38.4	B3/5000		
BH (60°-80°)	337.7	4.0	B1/500		G0/660
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1489.8	1489.8	1491.4	1492.9	1482.1	1477.5	1479.1	1476.0	1474.5	1479.1	1479.1
5°	1485.2	1485.2	1480.6	1482.1	1482.1	1468.3	1468.3	1471.4	1471.4	1462.2	1459.1
7.5°	1472.9	1469.8	1463.7	1471.4	1466.8	1466.8	1456.0	1448.3	1445.2	1451.4	1445.2
10°	1446.8	1448.3	1454.5	1457.5	1454.5	1463.7	1445.2	1434.5	1423.7	1419.1	1419.1
12.5°	1434.5	1443.7	1434.5	1442.2	1452.9	1445.2	1434.5	1426.8	1411.4	1405.3	1405.3
15°	1432.9	1439.1	1442.2	1452.9	1448.3	1451.4	1429.9	1420.6	1397.6	1386.8	1382.2
17.5°	1431.4	1439.1	1443.7	1463.7	1466.8	1468.3	1451.4	1423.7	1403.7	1393.0	1382.2
20°	1448.3	1451.4	1460.6	1480.6	1492.9	1514.4	1483.7	1454.5	1411.4	1399.1	1394.5
22.5°	1469.8	1485.2	1494.4	1516.0	1548.3	1566.7	1526.7	1489.8	1445.2	1429.9	1411.4
25°	1539.0	1536.0	1551.3	1595.9	1622.1	1635.9	1603.6	1549.8	1491.4	1472.9	1476.0
27.5°	1625.1	1628.2	1642.0	1691.2	1729.7	1751.2	1712.8	1642.0	1585.2	1554.4	1551.3
30°	1737.4	1734.3	1749.7	1815.8	1885.0	1917.3	1849.6	1766.6	1711.2	1671.3	1680.5
32.5°	1855.8	1857.3	1900.3	1960.3	2072.5	2135.6	2026.4	1924.9	1841.9	1814.2	1800.4
35°	2031.0	2038.7	2072.5	2164.8	2289.3	2370.8	2250.9	2129.4	2034.1	1983.4	1989.5
37.5°	2247.8	2240.1	2297.0	2396.9	2527.6	2587.6	2486.1	2347.7	2250.9	2217.1	2238.6
40°	2478.4	2486.1	2515.3	2606.0	2752.1	2792.1	2641.4	2566.1	2481.5	2464.6	2490.7
42.5°	2709.1	2704.4	2726.0	2807.5	2913.5	2885.9	2796.7	2752.1	2692.1	2658.3	2693.7
45°	2878.2	2870.5	2910.5	2965.8	3004.3	2952.0	2912.0	2896.6	2865.9	2829.0	2861.3
47.5°	3042.7	3036.5	3075.0	3090.4	3093.4	3024.2	3031.9	3059.6	2982.7	2905.9	2942.8
50°	3182.6	3171.8	3219.5	3253.3	3245.6	3134.9	3162.6	3134.9	3015.0	2924.3	2910.5
52.5°	3416.3	3420.9	3471.7	3533.2	3514.7	3422.5	3382.5	3256.4	3102.7	3021.2	2973.5
55°	3563.9	3540.8	3628.5	3823.7	3845.3	3749.9	3573.1	3387.1	3156.5	3056.5	3044.2
56°	3425.5	3454.7	3593.1	3811.4	3922.1	3834.5	3577.7	3354.8	3101.1	2965.8	2956.6
57.5°	3073.4	3058.1	3245.6	3543.9	3845.3	3808.4	3451.7	3124.2	2829.0	2676.8	2658.3
60°	1912.6	1957.2	2121.7	2490.7	2893.6	2912.0	2558.4	2277.0	1932.6	1797.3	1829.6
62.5°	748.8	710.3	813.3	1088.5	1365.3	1426.8	1293.0	1074.7	882.5	748.8	739.5
65°	173.7	169.1	190.6	262.9	367.5	425.9	404.4	290.6	213.7	202.9	187.6
67.5°	98.4	98.4	93.8	93.8	103.0	109.2	104.5	103.0	107.6	112.2	110.7
70°	69.2	67.6	64.6	66.1	63.0	63.0	67.6	75.3	81.5	81.5	83.0
72.5°	41.5	41.5	41.5	46.1	46.1	46.1	50.7	56.9	58.4	56.9	55.3
75°	18.4	18.4	21.5	26.1	29.2	30.7	35.4	38.4	41.5	38.4	35.4
77.5°	4.6	4.6	7.7	10.8	13.8	16.9	23.1	27.7	29.2	27.7	23.1
80°	1.5	1.5	3.1	7.7	13.8	16.9	23.1	24.6	26.1	23.1	18.4
82.5°	1.5	1.5	3.1	7.7	10.8	13.8	18.4	21.5	23.1	20.0	18.4
85°	0.0	1.5	3.1	6.1	9.2	12.3	12.3	9.2	7.7	4.6	6.1
87.5°	0.0	0.0	1.5	1.5	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)