

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: P527242

Luminaire Tested: **GALN-SA2B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527242  
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-SA2B-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA 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: 9131 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

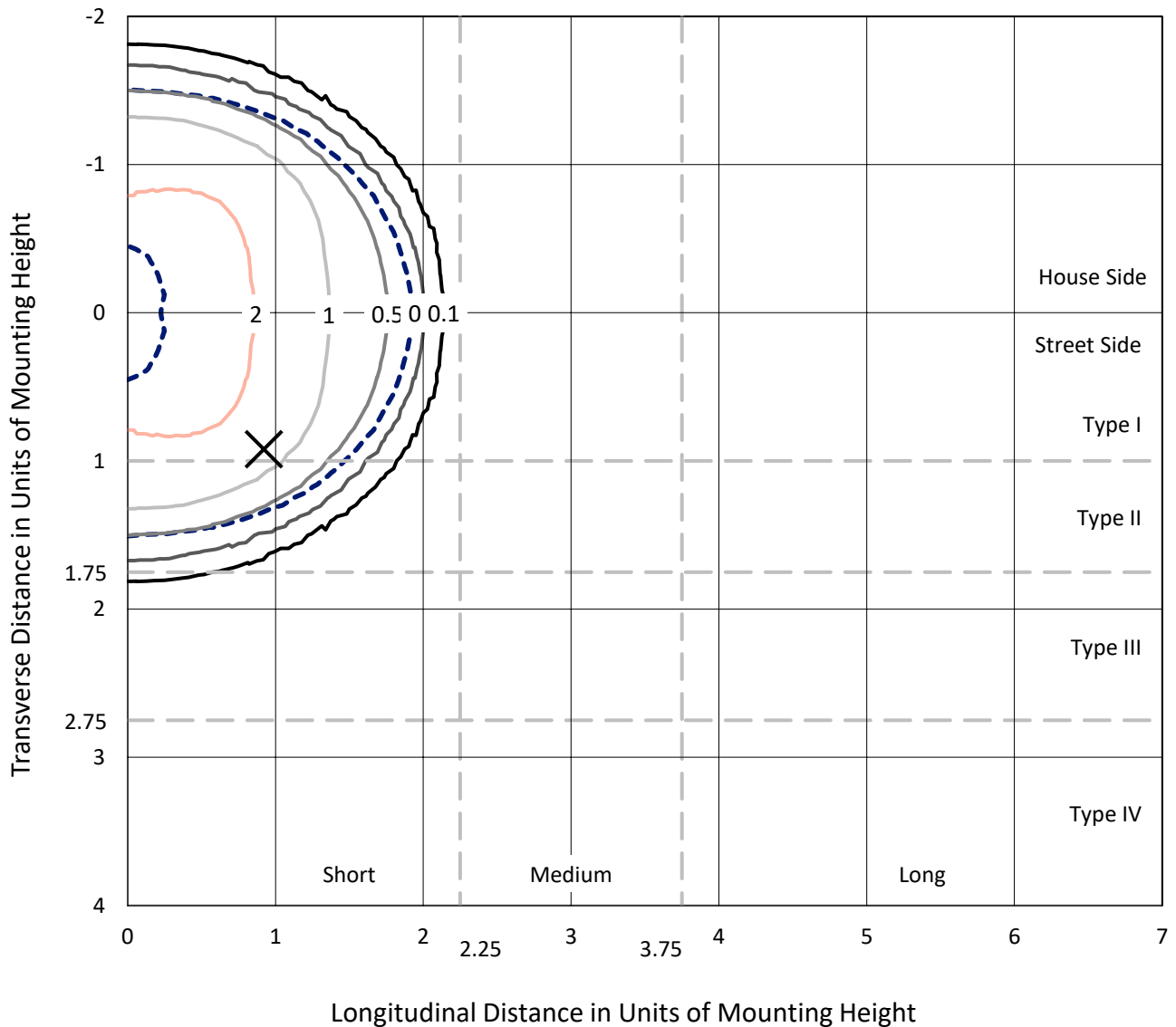
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

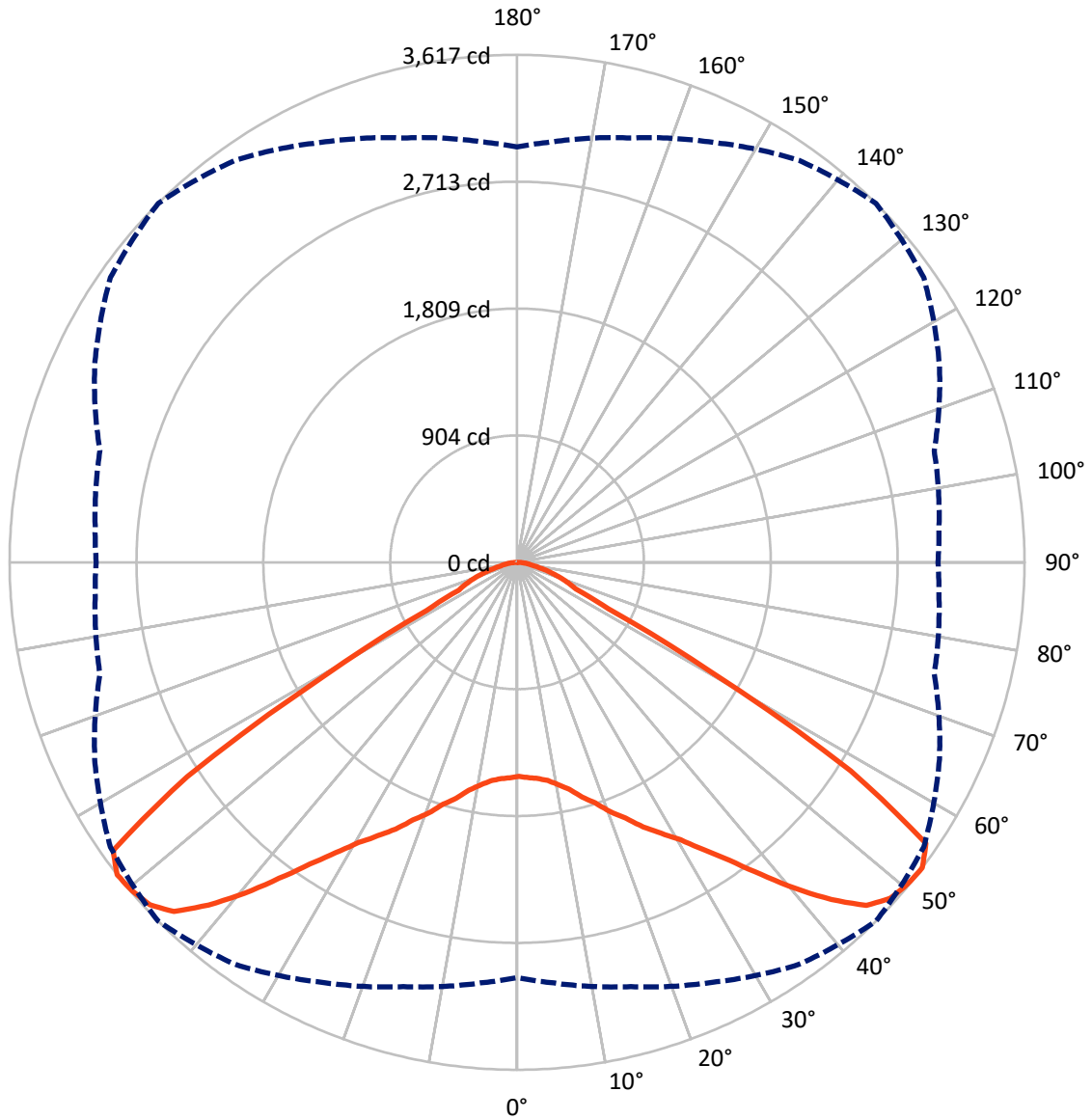
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	4565.5	0.0	4565.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4565.5	0.0	4565.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9131.0	0.0	9131.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	1.6
10°-20°	492.8	5.4
20°-30°	938.1	10.3
30°-40°	1610.9	17.6
40°-50°	2475.9	27.1
50°-60°	2514.3	27.5
60°-70°	700.7	7.7
70°-80°	206.7	2.3
80°-90°	41.6	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°	9131.0	100.0
0°-180°	9131.0	100.0

**Coefficient of Utilization**



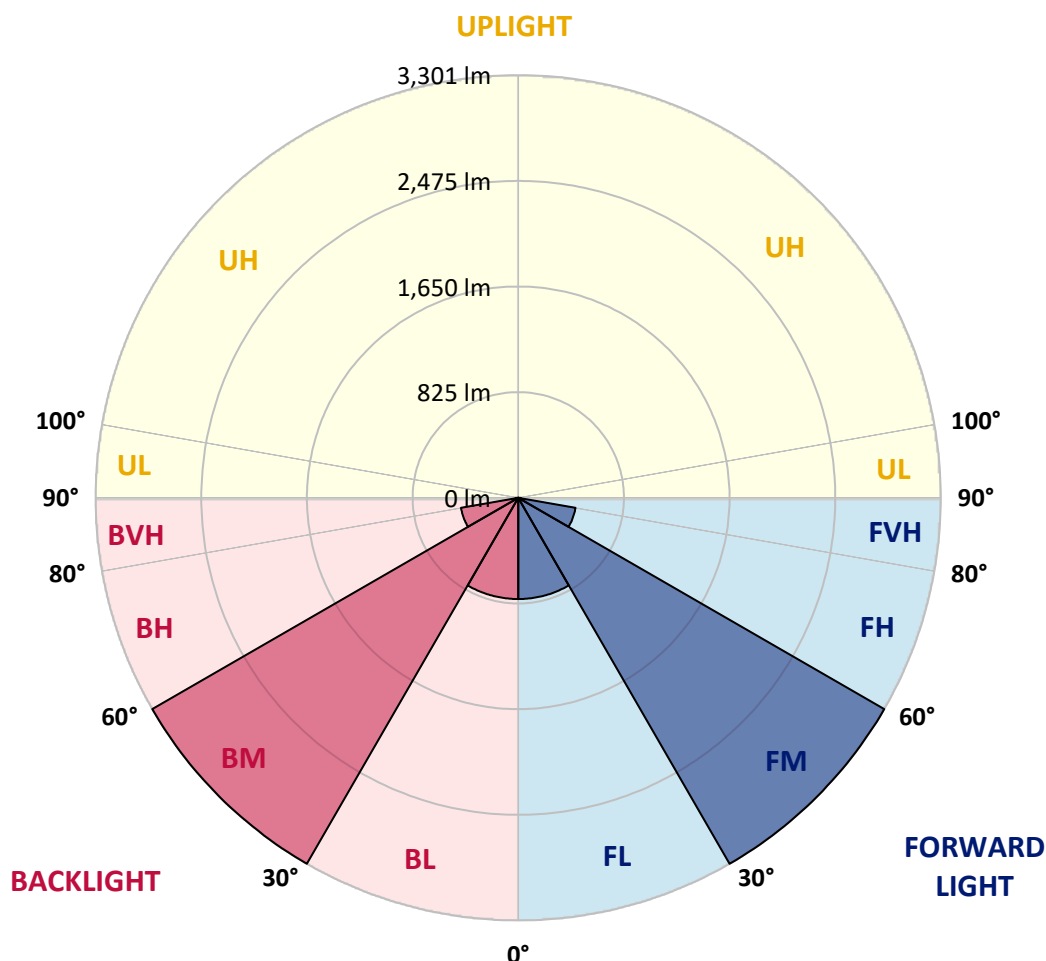
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	790.4	8.7			
FM (30°-60°)	3300.5	36.1			
FH (60°-80°)	453.7	5.0			G0/660
FVH (80°-90°)	20.8	0.2			G1/100
BL (0°-30°)	790.4	8.7	B2/1000		
BM (30°-60°)	3300.5	36.1	B3/5000		
BH (60°-80°)	453.7	5.0	B1/500		G0/660
BVH (80°-90°)	20.8	0.2			G1/100
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°	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4
2.5°	1529.8	1513.9	1519.6	1523.0	1537.7	1536.6	1533.2	1537.7	1542.2	1543.4	1541.1
5°	1528.6	1517.3	1521.8	1525.2	1540.0	1547.9	1545.6	1564.9	1578.5	1575.1	1592.1
7.5°	1519.6	1526.4	1520.7	1537.7	1550.2	1569.4	1589.8	1608.0	1625.0	1644.2	1647.6
10°	1540.0	1540.0	1550.2	1563.8	1596.6	1611.4	1640.8	1666.9	1699.7	1722.4	1713.3
12.5°	1561.5	1564.9	1564.9	1600.0	1627.2	1660.1	1687.3	1722.4	1768.9	1796.1	1809.7
15°	1583.0	1585.3	1596.6	1644.2	1685.0	1737.1	1762.1	1793.8	1819.9	1870.8	1872.0
17.5°	1602.3	1614.8	1648.7	1702.0	1753.0	1802.9	1842.5	1875.4	1898.0	1918.4	1913.9
20°	1674.8	1683.9	1719.0	1772.3	1848.2	1896.9	1910.5	1916.2	1930.9	1971.7	1959.2
22.5°	1745.1	1748.5	1781.3	1862.9	1916.2	1980.8	1995.5	1992.1	1997.8	2008.0	2026.1
25°	1817.6	1823.3	1868.6	1937.7	2012.5	2089.5	2102.0	2075.9	2068.0	2079.3	2080.5
27.5°	1910.5	1911.6	1969.4	2029.5	2114.5	2187.0	2206.3	2185.9	2148.5	2157.5	2172.3
30°	2028.4	2020.4	2078.2	2164.3	2253.9	2294.6	2327.5	2317.3	2276.5	2268.6	2256.1
32.5°	2164.3	2166.6	2218.7	2312.8	2371.7	2439.7	2474.8	2457.8	2431.8	2418.2	2426.1
35°	2355.8	2366.0	2401.2	2479.4	2574.5	2608.5	2664.1	2627.8	2559.8	2576.8	2591.5
37.5°	2513.3	2542.8	2608.5	2701.5	2758.1	2820.4	2840.8	2792.1	2742.2	2721.9	2770.6
40°	2754.7	2745.6	2818.2	2911.1	2994.9	3057.3	3031.2	2982.5	2859.0	2860.1	2873.7
42.5°	2962.1	2966.6	3022.1	3133.2	3247.6	3286.2	3203.4	3084.5	2947.4	2932.6	2962.1
45°	3136.6	3154.7	3186.4	3334.9	3447.1	3489.0	3336.0	3195.5	3011.9	2950.7	2999.5
47.5°	3198.9	3228.4	3297.5	3433.5	3544.5	3578.5	3456.1	3254.4	3072.0	2972.3	2998.3
50°	3208.0	3197.8	3311.1	3435.7	3533.2	3606.8	3499.2	3297.5	3057.3	3005.1	2997.2
52.5°	2959.8	3009.7	3130.9	3302.0	3499.2	3617.0	3537.7	3321.3	3077.7	3018.7	2999.5
55°	2395.5	2336.6	2557.5	2845.4	3208.0	3535.5	3524.1	3333.8	3090.1	3041.4	3015.3
57.5°	1337.1	1354.1	1478.8	1791.5	2259.5	2803.4	3133.2	3202.3	3084.5	3056.1	3069.7
60°	618.7	624.4	677.6	823.8	1113.9	1589.8	2023.8	2464.6	2667.5	2708.3	2708.3
62.5°	461.2	458.9	472.5	498.6	559.8	730.9	975.7	1325.8	1604.6	1799.5	1850.5
65°	417.0	415.9	422.7	431.7	436.3	460.1	514.5	622.1	712.8	764.9	755.8
67.5°	364.9	363.7	366.0	371.7	379.6	392.1	405.7	428.3	460.1	457.8	452.1
70°	294.6	294.6	298.0	302.6	311.6	326.4	342.2	358.1	385.3	390.9	389.8
72.5°	217.6	214.2	221.0	230.0	239.1	257.2	274.2	289.0	308.2	313.9	311.6
75°	138.2	140.5	145.0	155.2	171.1	183.6	201.7	214.2	226.6	231.2	232.3
77.5°	77.1	79.3	87.3	99.7	115.6	129.2	145.0	155.2	163.2	164.3	165.4
80°	46.5	47.6	55.5	66.9	80.5	95.2	107.7	117.8	124.6	121.2	120.1
82.5°	28.3	29.5	36.3	46.5	57.8	69.1	82.7	91.8	98.6	94.1	89.5
85°	14.7	15.9	21.5	28.3	37.4	43.1	43.1	38.5	37.4	35.1	34.0
87.5°	4.5	4.5	5.7	6.8	5.7	6.8	7.9	9.1	9.1	10.2	9.1
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)