

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: P527392

Luminaire Tested: **GALN-SA2B-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2B-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8191 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

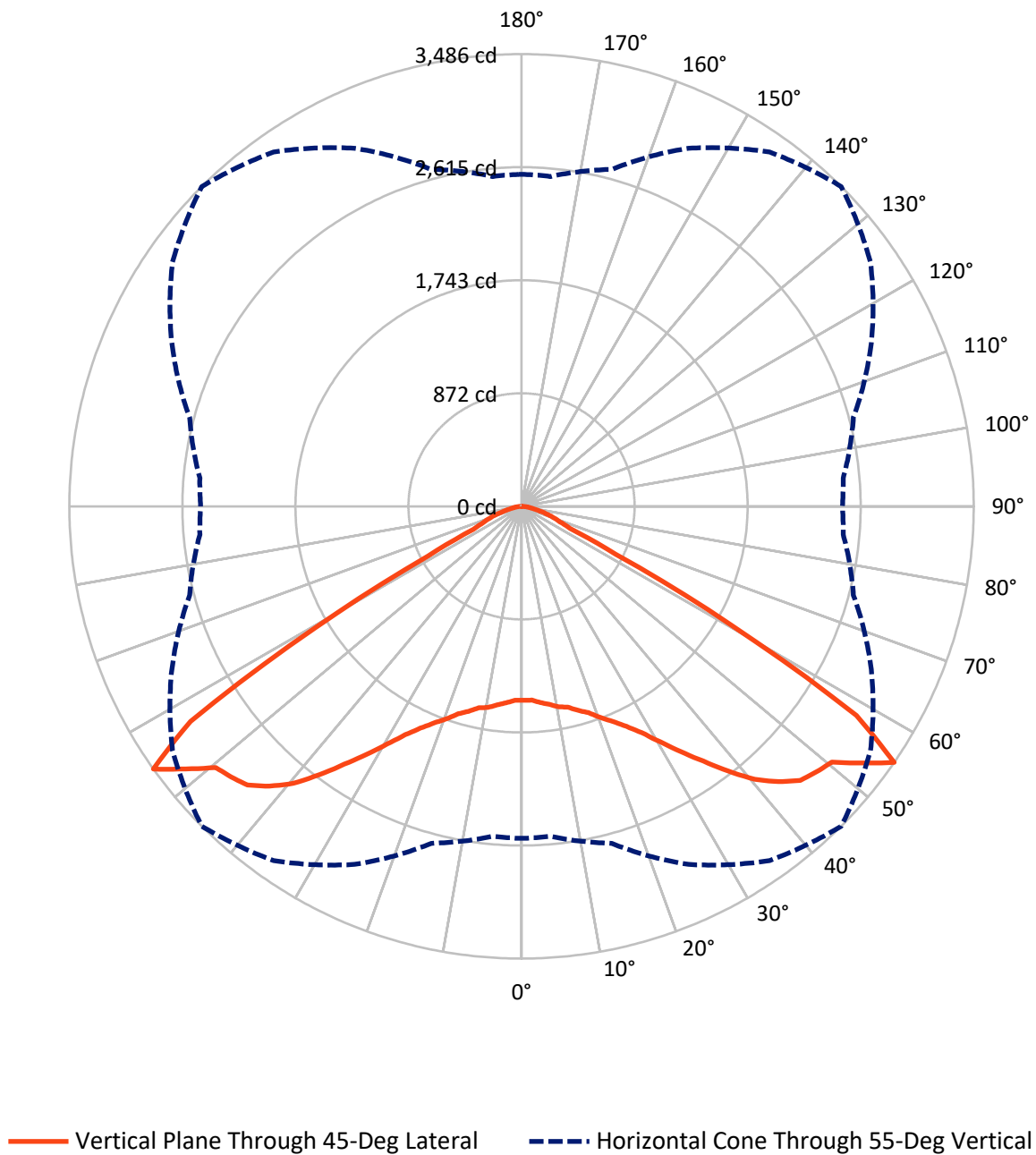
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4095.5	0.0	4095.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4095.5	0.0	4095.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8191.0	0.0	8191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	1.8
10°-20°	462.9	5.7
20°-30°	863.2	10.5
30°-40°	1445.3	17.6
40°-50°	2249.0	27.5
50°-60°	2335.1	28.5
60°-70°	495.2	6.0
70°-80°	163.1	2.0
80°-90°	31.0	0.4
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°	8191.0	100.0
0°-180°	8191.0	100.0

Coefficient of Utilization



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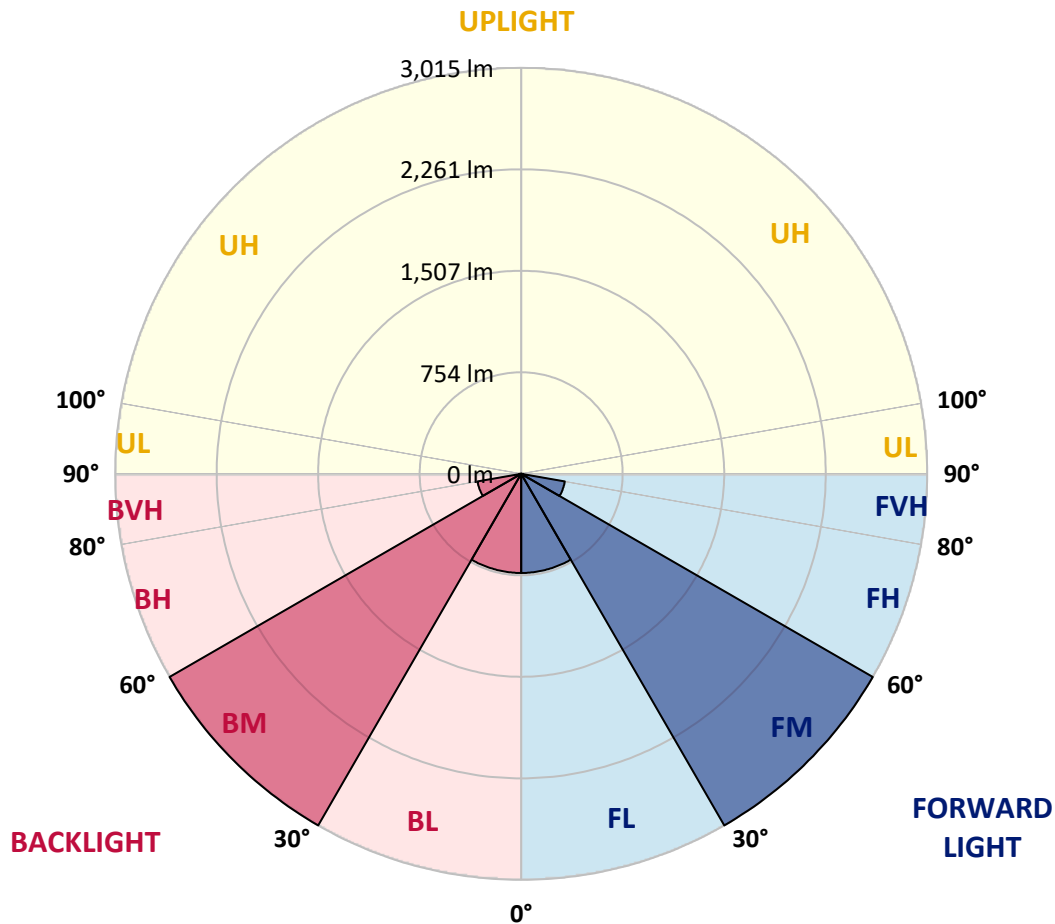
CATALOG NUMBER: GALN-SA2B-830-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.1	9.0			
FM	(30°-60°)	3014.7	36.8			
FH	(60°-80°)	329.2	4.0			G0/660
FVH	(80°-90°)	15.5	0.2			G1/100
BL	(0°-30°)	736.1	9.0	B2/1000		
BM	(30°-60°)	3014.7	36.8	B3/5000		
BH	(60°-80°)	329.2	4.0	B1/500		G0/660
BVH	(80°-90°)	15.5	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°	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6	1495.6
2.5°	1513.4	1506.4	1494.6	1503.5	1510.4	1495.6	1501.5	1504.5	1502.5	1494.6	1497.5
5°	1535.1	1531.2	1521.3	1528.2	1519.3	1519.3	1513.4	1505.5	1517.3	1515.3	1520.3
7.5°	1535.1	1530.2	1550.0	1537.1	1541.1	1541.1	1531.2	1523.3	1529.2	1520.3	1515.3
10°	1565.8	1572.8	1563.8	1566.8	1564.8	1571.8	1556.9	1552.0	1547.0	1544.1	1538.1
12.5°	1602.5	1597.5	1600.5	1598.5	1605.4	1587.6	1578.7	1567.8	1576.7	1563.8	1572.8
15°	1632.1	1629.2	1632.1	1640.1	1633.1	1632.1	1616.3	1605.4	1591.6	1594.5	1580.7
17.5°	1672.7	1669.8	1670.7	1677.7	1676.7	1671.7	1659.9	1639.1	1634.1	1626.2	1617.3
20°	1733.1	1728.2	1726.2	1729.1	1734.1	1738.1	1714.3	1706.4	1689.6	1676.7	1661.8
22.5°	1784.6	1782.6	1790.5	1777.6	1788.5	1800.4	1777.6	1773.7	1732.1	1725.2	1709.3
25°	1855.8	1852.9	1847.9	1866.7	1879.6	1878.6	1856.8	1835.0	1803.4	1795.5	1795.5
27.5°	1931.1	1914.2	1940.0	1944.9	1967.7	1974.6	1955.8	1924.1	1894.4	1877.6	1881.6
30°	2025.1	2009.2	2015.2	2050.8	2080.5	2106.2	2058.7	2012.2	1970.6	1941.0	1936.0
32.5°	2119.1	2103.3	2121.1	2155.7	2215.1	2253.7	2207.2	2126.0	2077.5	2034.0	2042.9
35°	2195.3	2207.2	2235.9	2288.4	2349.7	2412.1	2337.9	2275.5	2206.2	2157.7	2164.6
37.5°	2318.1	2354.7	2377.4	2437.8	2524.9	2589.3	2512.1	2430.9	2356.7	2293.3	2271.5
40°	2478.4	2503.1	2528.9	2600.1	2703.1	2767.4	2694.2	2588.3	2515.0	2449.7	2446.7
42.5°	2654.6	2678.3	2705.1	2792.2	2853.5	2902.0	2834.7	2778.3	2697.1	2645.7	2642.7
45°	2859.5	2842.6	2872.3	2929.7	2981.2	3012.9	2969.3	2941.6	2883.2	2835.7	2830.8
47.5°	2996.1	2981.2	3034.7	3086.1	3094.0	3059.4	3068.3	3094.0	3032.7	2954.5	2979.2
50°	3075.2	3075.2	3110.9	3158.4	3143.5	3099.0	3169.3	3171.2	3109.9	3040.6	3040.6
52.5°	2937.7	2968.3	3069.3	3224.7	3274.2	3287.1	3271.2	3203.9	3043.6	2902.0	2895.1
55°	2559.6	2552.6	2689.2	3045.5	3333.6	3486.0	3284.1	2974.3	2648.6	2489.3	2473.5
57.5°	1664.8	1672.7	1876.6	2239.9	2759.5	3043.6	2703.1	2267.6	1876.6	1656.9	1677.7
60°	749.3	776.0	899.7	1170.9	1617.3	1848.9	1621.3	1230.3	944.2	819.5	830.4
62.5°	430.6	435.5	440.5	522.6	688.9	814.6	715.6	552.3	487.0	465.2	465.2
65°	363.2	360.3	361.3	368.2	386.0	411.7	400.9	386.0	388.0	386.0	383.0
67.5°	308.8	312.8	309.8	314.7	315.7	319.7	326.6	332.6	333.6	335.5	333.6
70°	253.4	254.4	256.4	260.3	261.3	264.3	274.2	279.1	282.1	282.1	286.0
72.5°	194.0	193.0	195.0	198.9	203.9	204.9	213.8	220.7	224.7	219.7	220.7
75°	127.7	128.7	131.6	134.6	141.5	148.5	151.4	158.4	159.4	161.3	156.4
77.5°	76.2	78.2	81.2	87.1	93.0	99.0	105.9	110.9	112.8	110.9	104.9
80°	49.5	49.5	53.4	58.4	65.3	70.3	74.2	78.2	81.2	78.2	76.2
82.5°	30.7	30.7	35.6	41.6	46.5	49.5	55.4	60.4	63.3	61.4	58.4
85°	15.8	16.8	20.8	25.7	29.7	31.7	30.7	27.7	24.7	23.8	21.8
87.5°	4.9	4.9	5.9	5.9	4.9	4.9	5.9	4.9	5.9	5.9	5.9
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)