

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: P527632

Luminaire Tested: **GALN-SA2C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527632
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-SA2C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 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: 9844 lumens
Efficiency: N/A
Efficacy: 91.1 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): 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



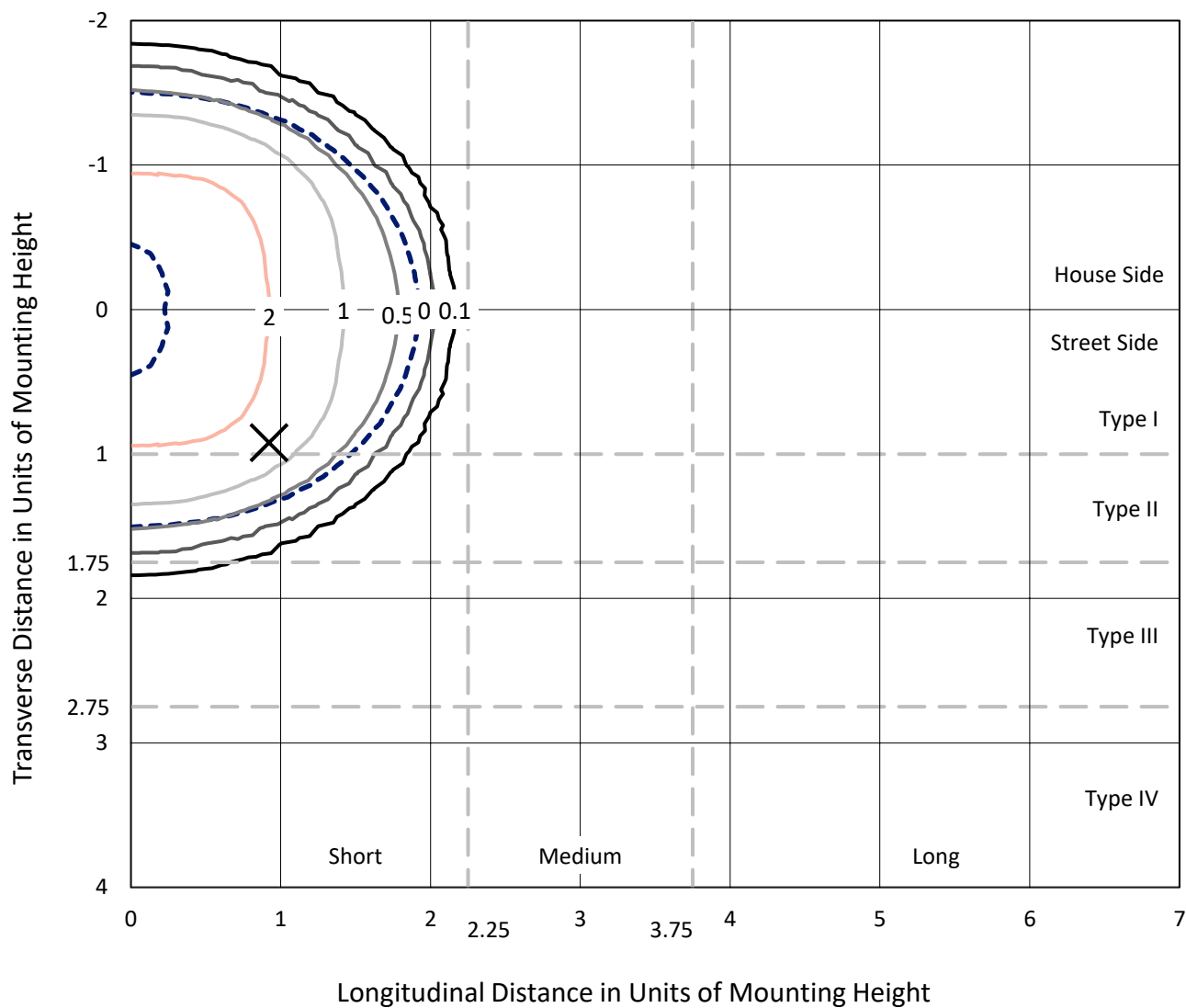
REPORT NUMBER: P527632

CATALOG NUMBER: GALN-SA2C-830-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

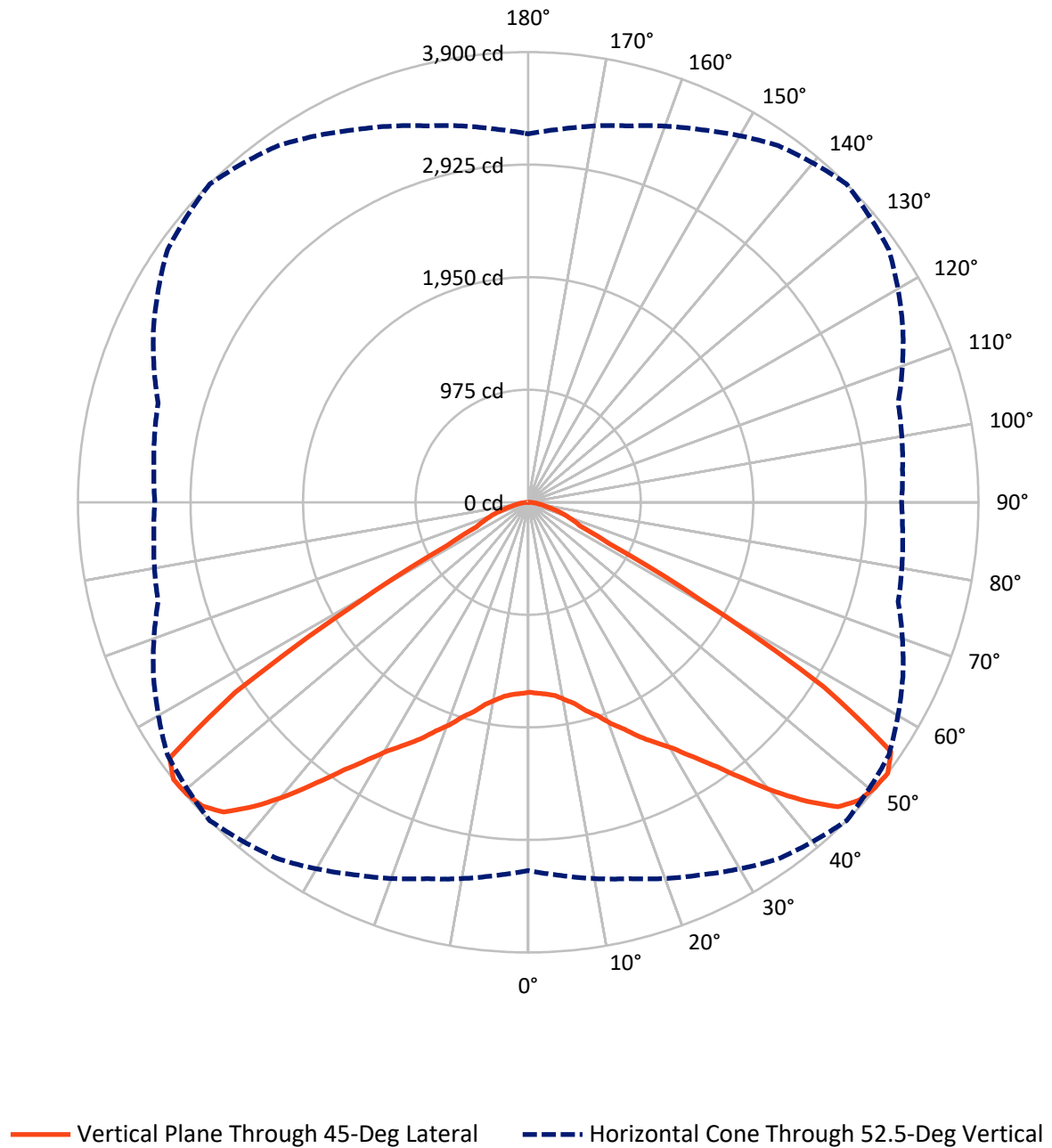


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P527632

CATALOG NUMBER: GALN-SA2C-830-U-RW-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527632

CATALOG NUMBER: GALN-SA2C-830-U-RW-GRSWH

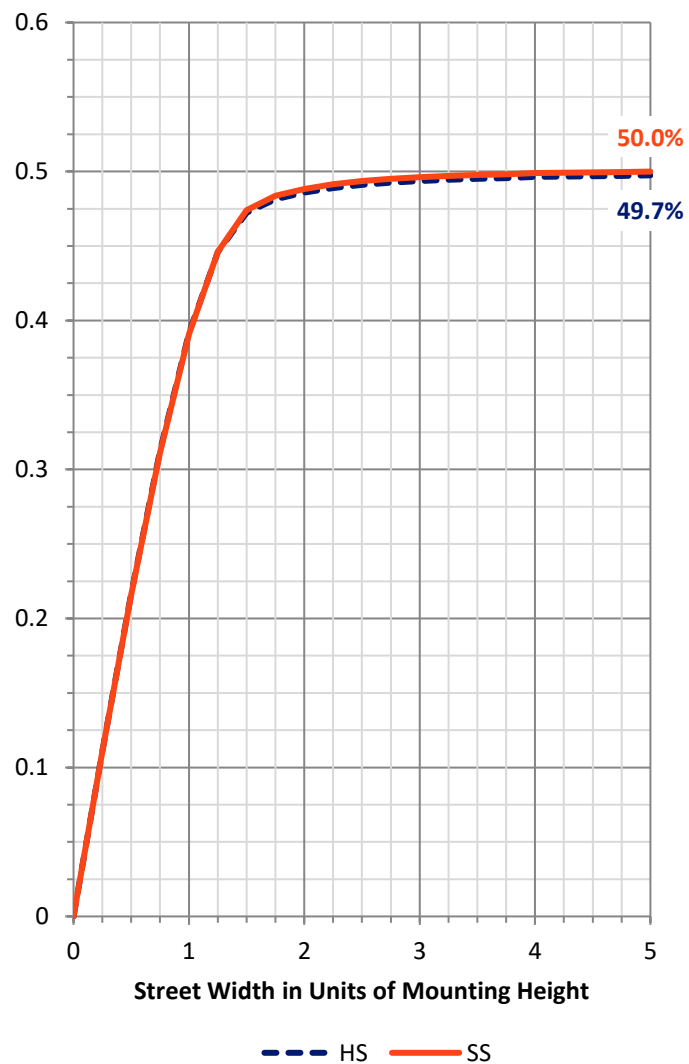
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4922.0	0.0	4922.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4922.0	0.0	4922.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9844.0	0.0	9844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	1.6
10°-20°	531.2	5.4
20°-30°	1011.4	10.3
30°-40°	1736.7	17.6
40°-50°	2669.3	27.1
50°-60°	2710.6	27.5
60°-70°	755.4	7.7
70°-80°	222.8	2.3
80°-90°	44.9	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°	9844.0	100.0
0°-180°	9844.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527632

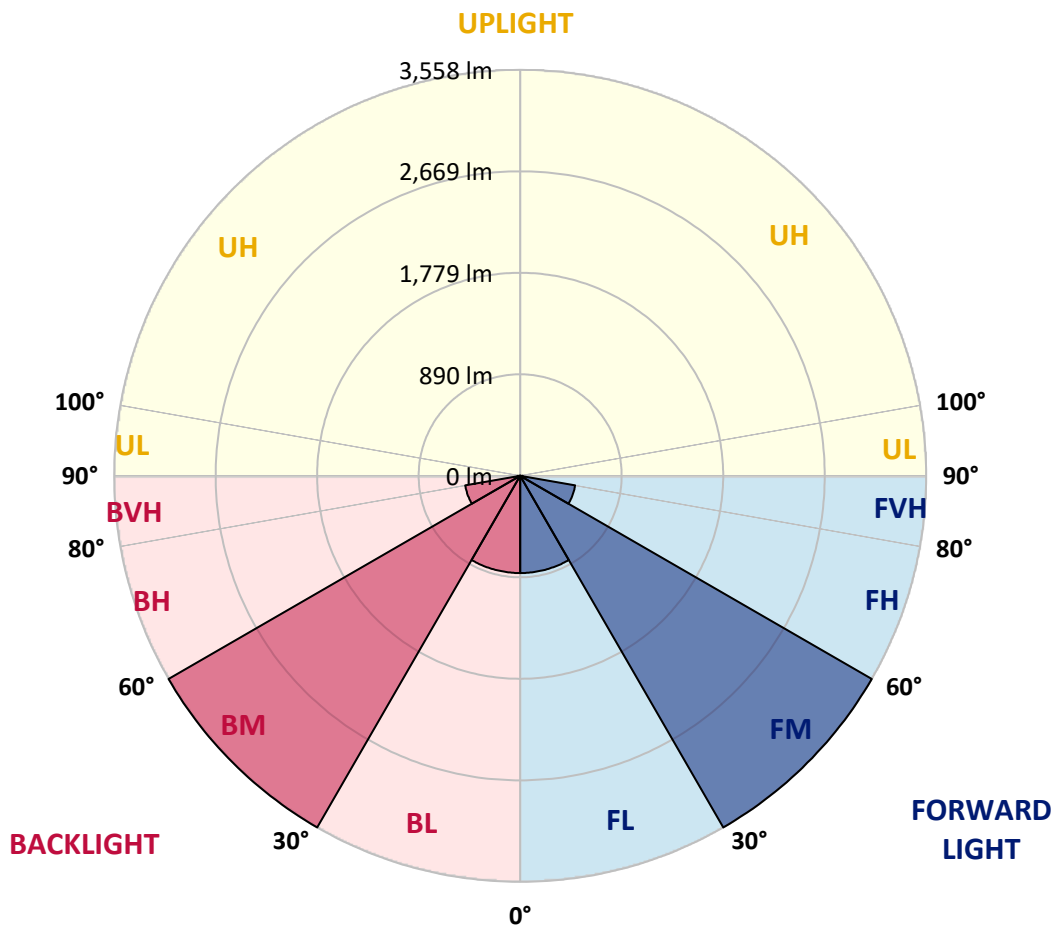
CATALOG NUMBER: GALN-SA2C-830-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	852.2	8.7			
FM	(30°-60°)	3558.3	36.1			
FH	(60°-80°)	489.1	5.0			G0/660
FVH	(80°-90°)	22.4	0.2			G1/100
BL	(0°-30°)	852.2	8.7	B2/1000		
BM	(30°-60°)	3558.3	36.1	B3/5000		
BH	(60°-80°)	489.1	5.0	B1/500		G0/660
BVH	(80°-90°)	22.4	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



REPORT NUMBER: P527632

CATALOG NUMBER: GALN-SA2C-830-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6	1645.6
2.5°	1649.2	1632.1	1638.2	1641.9	1657.8	1656.5	1652.9	1657.8	1662.7	1663.9	1661.4
5°	1648.0	1635.8	1640.7	1644.3	1660.2	1668.8	1666.3	1687.1	1701.7	1698.1	1716.4
7.5°	1638.2	1645.6	1639.4	1657.8	1671.2	1692.0	1714.0	1733.5	1751.8	1772.6	1776.3
10°	1660.2	1660.2	1671.2	1685.9	1721.3	1737.2	1768.9	1797.0	1832.5	1856.9	1847.1
12.5°	1683.4	1687.1	1687.1	1725.0	1754.3	1789.7	1819.0	1856.9	1907.0	1936.3	1951.0
15°	1706.6	1709.1	1721.3	1772.6	1816.6	1872.8	1899.7	1933.9	1962.0	2016.9	2018.2
17.5°	1727.4	1740.8	1777.5	1834.9	1889.9	1943.6	1986.4	2021.8	2046.3	2068.2	2063.4
20°	1805.6	1815.4	1853.2	1910.7	1992.5	2045.0	2059.7	2065.8	2081.7	2125.7	2112.2
22.5°	1881.3	1885.0	1920.4	2008.4	2065.8	2135.4	2151.3	2147.6	2153.8	2164.8	2184.3
25°	1959.5	1965.6	2014.5	2089.0	2169.6	2252.7	2266.1	2238.1	2229.5	2241.7	2242.9
27.5°	2059.7	2060.9	2123.2	2188.0	2279.6	2357.8	2378.5	2356.6	2316.2	2326.0	2341.9
30°	2186.7	2178.2	2240.5	2333.3	2429.8	2473.8	2509.3	2498.3	2454.3	2445.7	2432.3
32.5°	2333.3	2335.8	2392.0	2493.4	2556.9	2630.2	2668.1	2649.7	2621.6	2607.0	2615.5
35°	2539.8	2550.8	2588.7	2673.0	2775.6	2812.2	2872.1	2833.0	2759.7	2778.0	2793.9
37.5°	2709.6	2741.4	2812.2	2912.4	2973.5	3040.7	3062.7	3010.1	2956.4	2934.4	2986.9
40°	2969.8	2960.0	3038.2	3138.4	3228.8	3296.0	3267.9	3215.4	3082.2	3083.4	3098.1
42.5°	3193.4	3198.3	3258.1	3377.8	3501.2	3542.8	3453.6	3325.3	3177.5	3161.6	3193.4
45°	3381.5	3401.1	3435.3	3595.3	3716.2	3761.4	3596.5	3445.0	3247.1	3181.2	3233.7
47.5°	3448.7	3480.5	3555.0	3701.6	3821.3	3858.0	3726.0	3508.6	3311.9	3204.4	3232.5
50°	3458.5	3447.5	3569.6	3704.0	3809.1	3888.5	3772.4	3555.0	3296.0	3239.8	3231.2
52.5°	3190.9	3244.7	3375.4	3559.9	3772.4	3899.5	3814.0	3580.6	3318.0	3254.5	3233.7
55°	2582.6	2519.0	2757.3	3067.5	3458.5	3811.5	3799.3	3594.1	3331.4	3278.9	3250.8
57.5°	1441.5	1459.9	1594.2	1931.4	2436.0	3022.3	3377.8	3452.4	3325.3	3294.8	3309.4
60°	667.0	673.1	730.5	888.1	1200.9	1714.0	2181.9	2657.1	2875.7	2919.7	2919.7
62.5°	497.2	494.8	509.4	537.5	603.5	788.0	1051.8	1429.3	1729.8	1940.0	1994.9
65°	449.6	448.3	455.7	465.4	470.3	496.0	554.6	670.7	768.4	824.6	814.8
67.5°	393.4	392.1	394.6	400.7	409.3	422.7	437.3	461.8	496.0	493.5	487.4
70°	317.6	317.6	321.3	326.2	336.0	351.8	368.9	386.0	415.4	421.5	420.2
72.5°	234.6	230.9	238.2	248.0	257.8	277.3	295.6	311.5	332.3	338.4	336.0
75°	149.0	151.5	156.4	167.4	184.5	197.9	217.5	230.9	244.3	249.2	250.4
77.5°	83.1	85.5	94.1	107.5	124.6	139.3	156.4	167.4	175.9	177.1	178.4
80°	50.1	51.3	59.9	72.1	86.7	102.6	116.1	127.1	134.4	130.7	129.5
82.5°	30.5	31.8	39.1	50.1	62.3	74.5	89.2	99.0	106.3	101.4	96.5
85°	15.9	17.1	23.2	30.5	40.3	46.4	46.4	41.5	40.3	37.9	36.6
87.5°	4.9	4.9	6.1	7.3	6.1	7.3	8.6	9.8	9.8	11.0	9.8
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)