

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: P529971

Luminaire Tested: **GALN-SA5A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11761 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 154
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



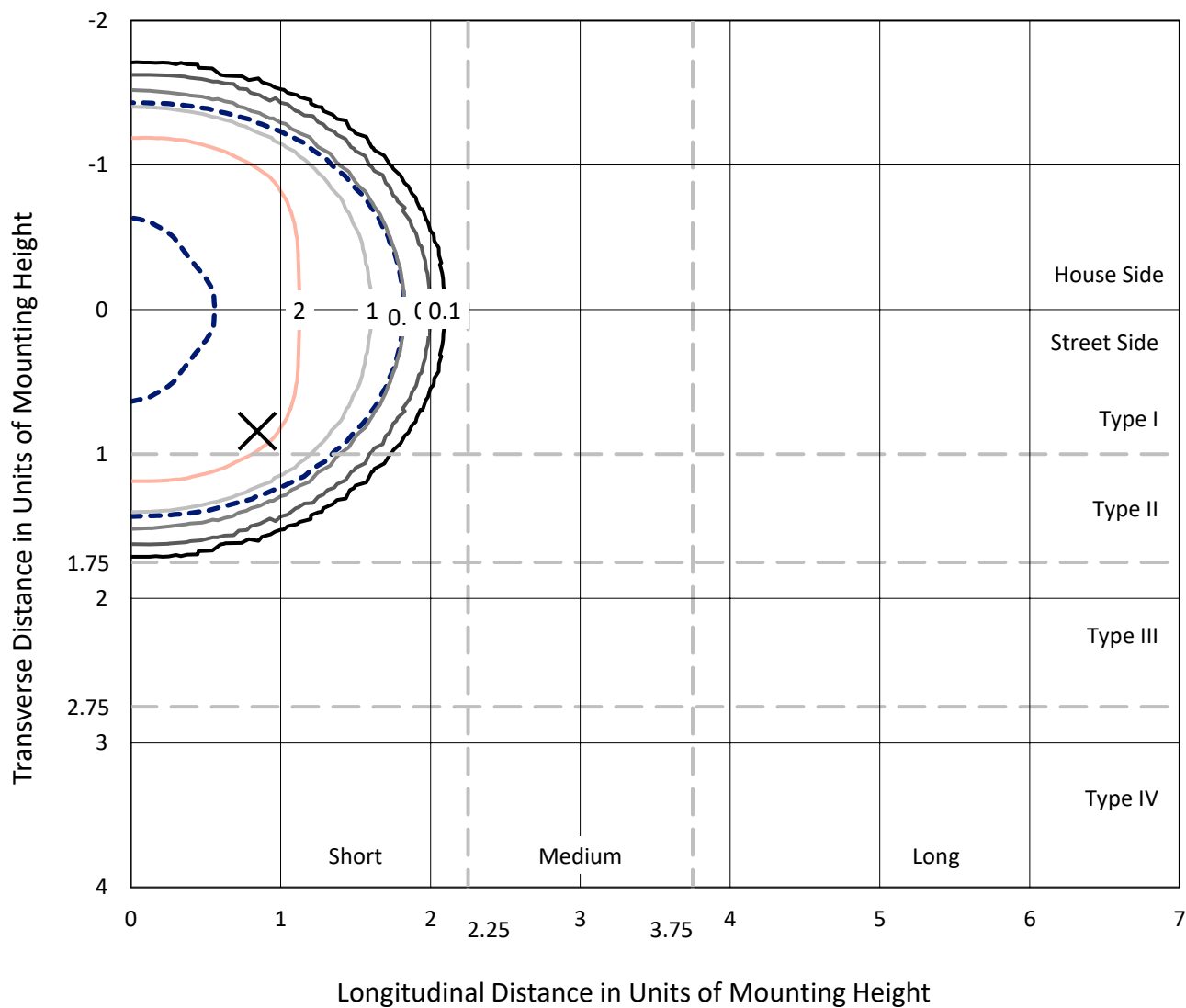
REPORT NUMBER: P529971

CATALOG NUMBER: GALN-SA5A-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

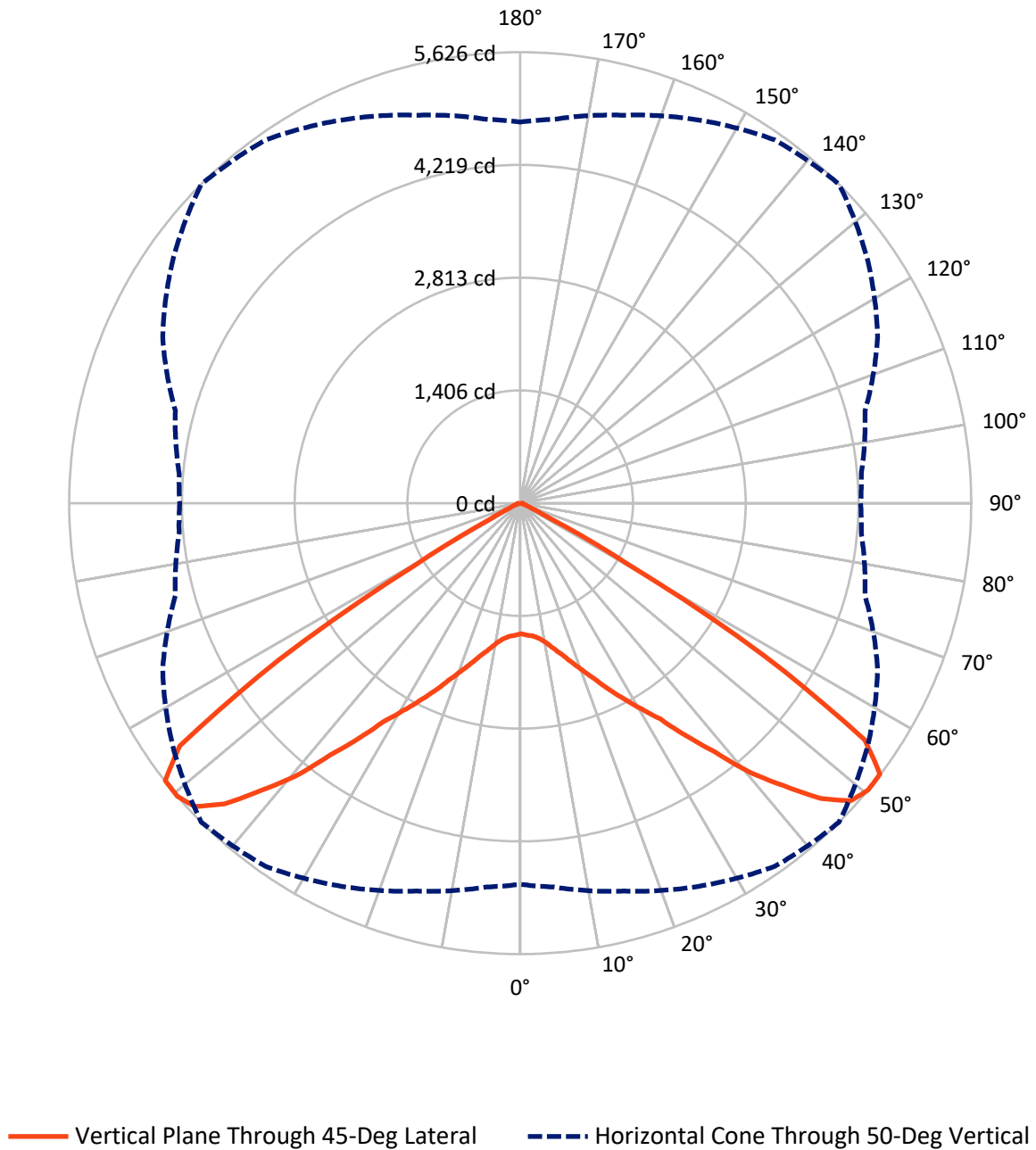


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P529971

CATALOG NUMBER: GALN-SA5A-830-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P529971

CATALOG NUMBER: GALN-SA5A-830-U-RW-GRSBK

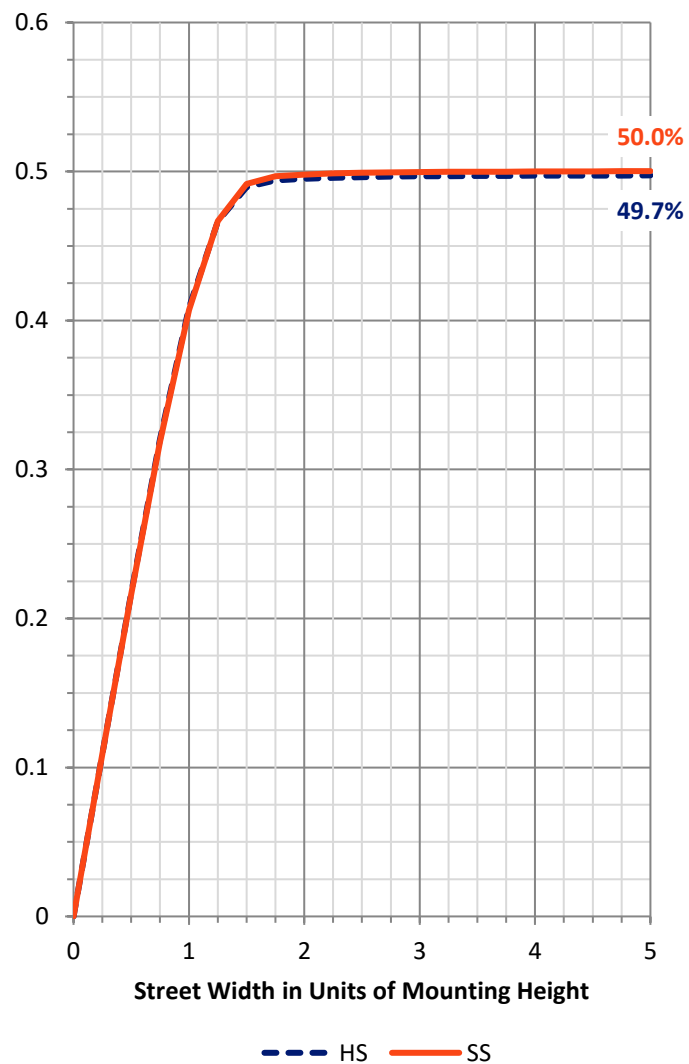
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5880.5	0.0	5880.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5880.5	0.0	5880.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11761.0	0.0	11761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	1.4
10°-20°	559.1	4.8
20°-30°	1141.9	9.7
30°-40°	2177.5	18.5
40°-50°	3669.5	31.2
50°-60°	3499.5	29.8
60°-70°	488.5	4.2
70°-80°	46.7	0.4
80°-90°	16.1	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°	11761.0	100.0
0°-180°	11761.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529971

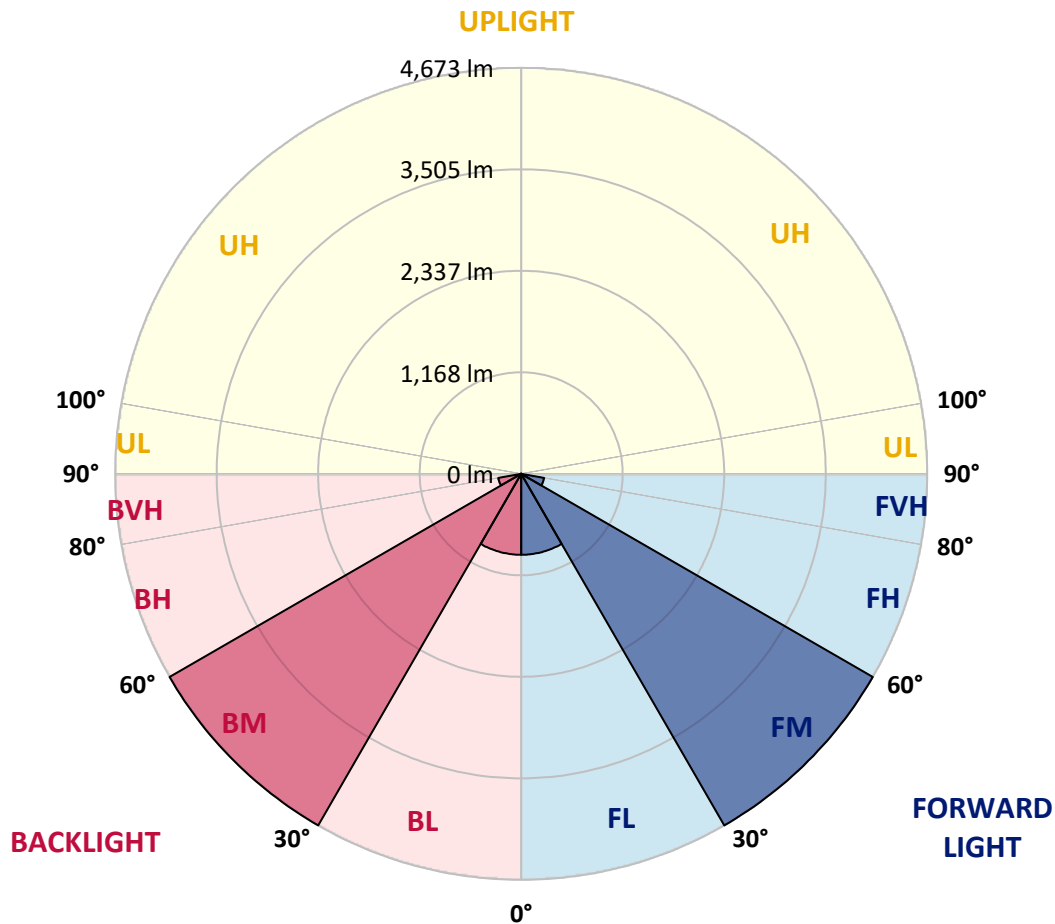
CATALOG NUMBER: GALN-SA5A-830-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	931.6	7.9			
FM	(30°-60°)	4673.2	39.7			
FH	(60°-80°)	267.6	2.3			G0/660
FVH	(80°-90°)	8.1	0.1			G0/10
BL	(0°-30°)	931.6	7.9	B2/1000		
BM	(30°-60°)	4673.2	39.7	B3/5000		
BH	(60°-80°)	267.6	2.3	B1/500		G0/660
BVH	(80°-90°)	8.1	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-G0

Type V Short



REPORT NUMBER: P529971

CATALOG NUMBER: GALN-SA5A-830-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5
2.5°	1624.6	1624.6	1622.6	1638.4	1630.5	1648.3	1646.4	1652.3	1658.2	1656.3	1672.1
5°	1610.7	1608.8	1608.8	1626.6	1644.4	1664.2	1682.0	1693.9	1713.6	1713.6	1733.4
7.5°	1624.6	1614.7	1628.6	1636.5	1670.1	1703.7	1733.4	1757.2	1802.7	1818.5	1812.6
10°	1628.6	1640.4	1650.3	1674.1	1715.6	1767.1	1792.8	1852.2	1903.6	1939.2	1947.1
12.5°	1654.3	1672.1	1699.8	1757.2	1794.8	1862.1	1897.7	1955.1	2026.3	2065.9	2093.6
15°	1703.7	1709.7	1745.3	1818.5	1899.7	1961.0	2016.4	2058.0	2127.2	2172.7	2174.7
17.5°	1767.1	1792.8	1842.3	1911.5	1996.6	2087.6	2131.2	2176.7	2202.4	2263.8	2277.6
20°	1893.7	1897.7	1945.2	2036.2	2143.0	2226.2	2257.8	2281.6	2271.7	2335.0	2346.9
22.5°	2012.4	2016.4	2075.8	2198.4	2313.2	2384.5	2398.3	2384.5	2354.8	2400.3	2404.2
25°	2133.1	2168.8	2212.3	2335.0	2477.5	2572.4	2574.4	2536.8	2475.5	2483.4	2503.2
27.5°	2321.1	2346.9	2392.4	2505.2	2661.5	2768.3	2750.5	2705.0	2625.9	2631.8	2625.9
30°	2540.8	2564.5	2602.1	2746.6	2861.3	2978.1	3003.8	2960.3	2841.6	2815.8	2845.5
32.5°	2805.9	2839.6	2908.8	3041.4	3138.4	3209.6	3227.4	3211.6	3100.8	3090.9	3110.7
35°	3128.5	3174.0	3237.3	3354.1	3433.2	3561.8	3561.8	3508.4	3407.5	3419.4	3417.4
37.5°	3468.8	3536.1	3635.1	3753.8	3860.6	3929.9	3908.1	3862.6	3761.7	3736.0	3761.7
40°	3896.3	3929.9	4054.6	4208.9	4339.5	4418.7	4325.7	4226.7	3985.3	4022.9	4092.2
42.5°	4286.1	4339.5	4434.5	4604.7	4753.1	4818.4	4707.6	4511.7	4220.8	4191.1	4242.6
45°	4618.5	4675.9	4800.6	5044.0	5200.3	5257.7	5012.3	4695.7	4363.3	4288.1	4309.8
47.5°	4840.2	4869.8	5044.0	5275.5	5418.0	5548.6	5196.3	4822.3	4430.5	4288.1	4280.1
50°	4755.1	4806.5	5010.3	5273.5	5532.7	5625.7	5289.3	4919.3	4452.3	4270.3	4246.5
52.5°	4222.8	4311.8	4539.4	4893.6	5285.4	5617.8	5418.0	4887.6	4444.4	4288.1	4323.7
55°	2938.5	2940.5	3217.5	3739.9	4432.5	5216.1	5230.0	4923.3	4495.8	4398.9	4400.9
57.5°	1181.3	1240.7	1452.4	1976.8	2616.0	3581.6	4258.4	4567.1	4501.8	4478.0	4539.4
60°	298.8	300.8	366.1	558.0	920.1	1535.6	2230.1	3017.7	3474.8	3631.1	3652.9
62.5°	152.4	154.3	170.2	197.9	251.3	411.6	732.2	1161.6	1652.3	1901.6	1966.9
65°	124.7	124.7	134.6	148.4	150.4	158.3	190.0	271.1	393.8	447.2	453.1
67.5°	95.0	95.0	102.9	110.8	114.8	112.8	108.8	112.8	136.5	130.6	126.6
70°	59.4	61.3	65.3	73.2	77.2	79.2	81.1	85.1	97.0	100.9	97.0
72.5°	35.6	35.6	37.6	43.5	49.5	53.4	59.4	63.3	69.3	79.2	77.2
75°	15.8	15.8	19.8	25.7	31.7	37.6	43.5	49.5	53.4	59.4	61.3
77.5°	4.0	5.9	9.9	17.8	23.7	31.7	39.6	45.5	49.5	49.5	47.5
80°	2.0	2.0	7.9	13.9	25.7	33.6	43.5	47.5	53.4	49.5	43.5
82.5°	2.0	2.0	7.9	13.9	23.7	33.6	45.5	51.4	55.4	49.5	41.6
85°	0.0	2.0	5.9	11.9	19.8	23.7	19.8	13.9	7.9	7.9	5.9
87.5°	0.0	0.0	2.0	2.0	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)