

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: P530903

Luminaire Tested: **GALN-SA6A-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11241 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 182
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



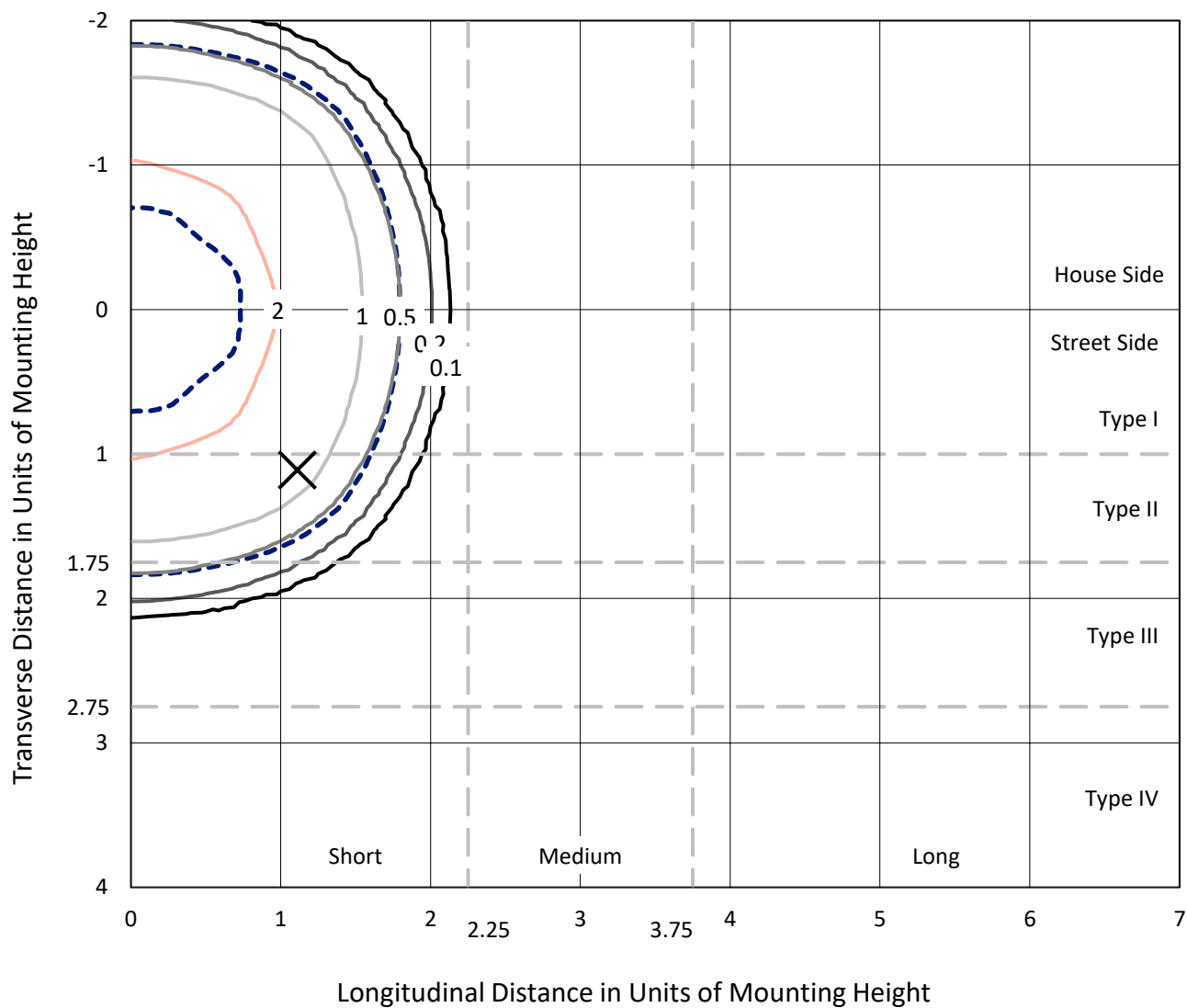
REPORT NUMBER: P530903

CATALOG NUMBER: GALN-SA6A-830-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

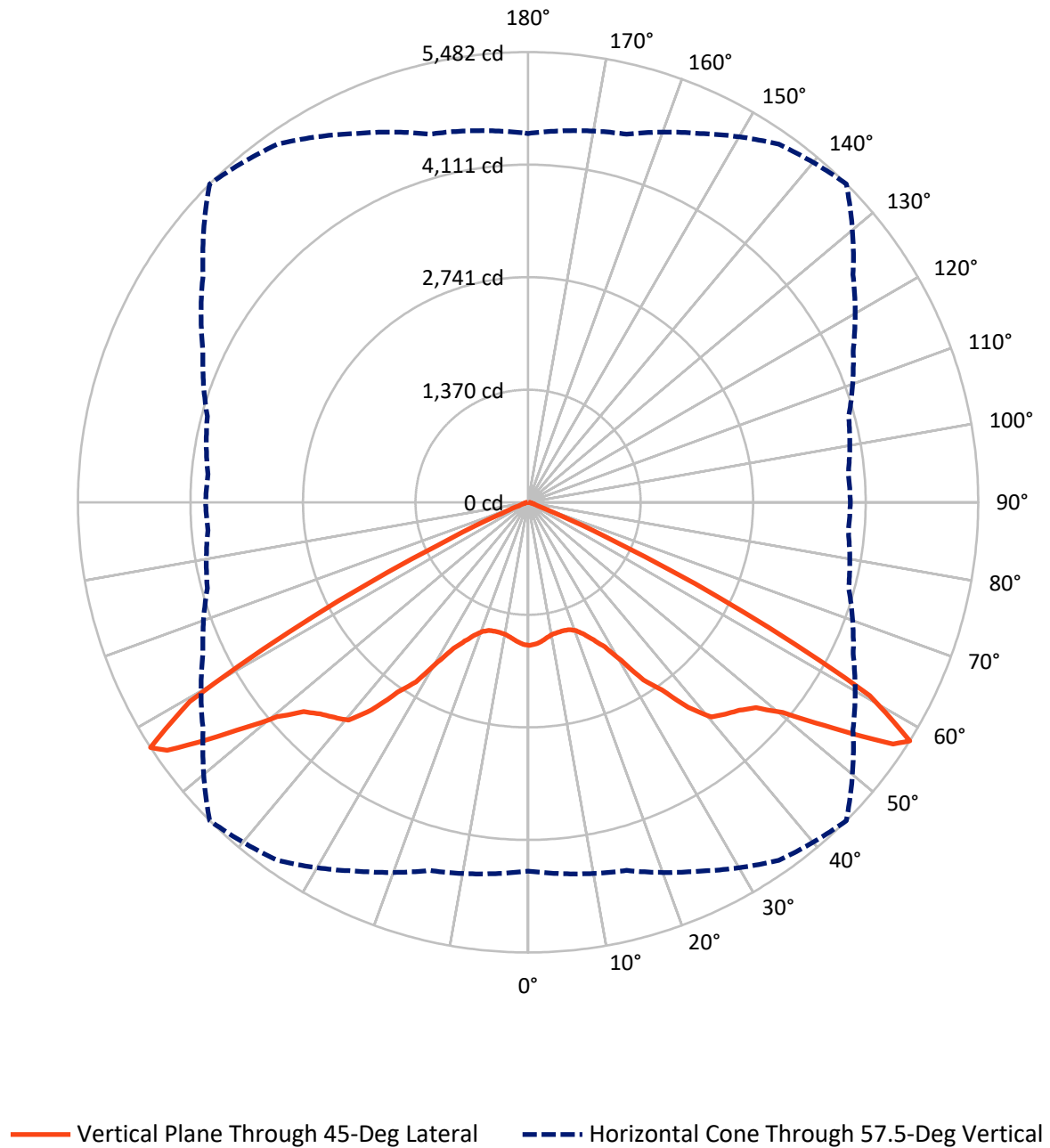
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P530903
CATALOG NUMBER: GALN-SA6A-830-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P530903

CATALOG NUMBER: GALN-SA6A-830-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5620.5	0.0	5620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5620.5	0.0	5620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11241.0	0.0	11241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	1.4
10°-20°	463.1	4.1
20°-30°	854.9	7.6
30°-40°	1681.2	15.0
40°-50°	2738.3	24.4
50°-60°	3905.1	34.7
60°-70°	1352.0	12.0
70°-80°	72.5	0.6
80°-90°	13.6	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°	11241.0	100.0
0°-180°	11241.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530903

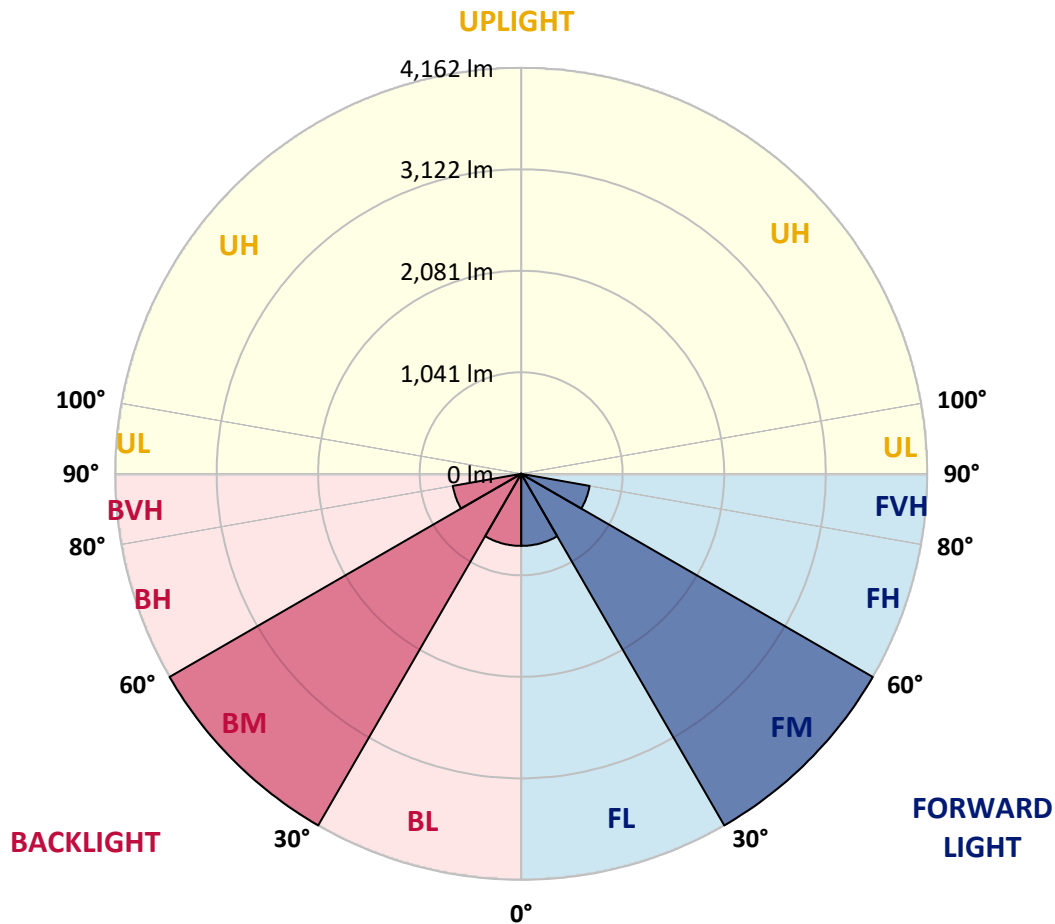
CATALOG NUMBER: GALN-SA6A-830-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	739.1	6.6			
FM	(30°-60°)	4162.3	37.0			
FH	(60°-80°)	712.3	6.3			G1/1800
FVH	(80°-90°)	6.8	0.1			G0/10
BL	(0°-30°)	739.1	6.6	B2/1000		
BM	(30°-60°)	4162.3	37.0	B3/5000		
BH	(60°-80°)	712.3	6.3	B2/1000		G1/1800
BVH	(80°-90°)	6.8	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-G1

Type V Short



REPORT NUMBER: P530903

CATALOG NUMBER: GALN-SA6A-830-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6	1743.6
2.5°	1738.9	1748.3	1736.6	1731.9	1729.5	1729.5	1722.5	1722.5	1720.2	1722.5	1713.1
5°	1710.8	1720.2	1720.2	1717.8	1703.8	1701.4	1694.4	1689.7	1692.0	1682.7	1689.7
7.5°	1682.7	1689.7	1680.3	1678.0	1673.3	1663.9	1661.6	1640.5	1642.8	1642.8	1647.5
10°	1678.0	1675.6	1661.6	1649.9	1635.8	1633.5	1626.4	1621.7	1621.7	1619.4	1626.4
12.5°	1678.0	1666.3	1663.9	1638.1	1614.7	1624.1	1605.3	1593.6	1610.0	1614.7	1624.1
15°	1675.6	1687.4	1647.5	1635.8	1619.4	1621.7	1605.3	1593.6	1603.0	1607.7	1614.7
17.5°	1689.7	1682.7	1670.9	1647.5	1640.5	1631.1	1610.0	1600.6	1600.6	1612.4	1614.7
20°	1727.2	1708.4	1685.0	1673.3	1680.3	1668.6	1642.8	1607.7	1617.0	1626.4	1633.5
22.5°	1762.3	1748.3	1731.9	1724.8	1764.7	1745.9	1701.4	1661.6	1647.5	1663.9	1675.6
25°	1830.3	1830.3	1799.8	1809.2	1853.7	1856.1	1804.5	1734.2	1724.8	1731.9	1736.6
27.5°	1968.6	1975.6	1949.8	1959.2	1978.0	1994.4	1949.8	1891.2	1870.1	1867.8	1874.8
30°	2118.6	2132.6	2130.3	2170.1	2224.0	2233.4	2167.8	2071.7	2008.4	1996.7	2006.1
32.5°	2315.4	2322.5	2317.8	2364.6	2509.9	2577.9	2406.8	2270.9	2186.5	2207.6	2186.5
35°	2685.7	2678.7	2627.1	2636.5	2756.0	2805.2	2641.2	2554.5	2514.6	2556.8	2547.4
37.5°	3004.4	2978.6	2936.5	2997.4	3121.6	3166.1	2995.0	2842.7	2770.1	2840.4	2870.8
40°	3273.9	3208.3	3149.7	3210.7	3377.0	3438.0	3187.2	3063.0	3034.9	3086.4	3152.1
42.5°	3501.3	3459.1	3381.7	3386.4	3496.6	3524.7	3323.1	3250.5	3222.4	3304.4	3337.2
45°	3663.0	3623.1	3550.5	3545.8	3630.1	3611.4	3430.9	3381.7	3398.1	3452.0	3468.4
47.5°	3745.0	3766.1	3723.9	3735.6	3780.1	3735.6	3592.7	3592.7	3555.2	3588.0	3571.6
50°	3981.7	3916.1	3970.0	3970.0	4016.8	4021.5	3878.6	3827.0	3726.2	3670.0	3670.0
52.5°	4258.2	4262.9	4284.0	4361.3	4441.0	4509.0	4305.1	4084.8	3916.1	3843.4	3834.0
55°	4485.5	4532.4	4616.8	4762.1	4991.7	5085.5	4734.0	4340.2	4134.0	4021.5	3998.1
56°	4609.8	4565.2	4710.5	4909.7	5209.7	5331.6	4804.3	4391.8	4164.5	4037.9	4035.6
57.5°	4490.2	4539.4	4640.2	4954.3	5322.2	5481.5	4830.0	4368.4	4042.6	3913.7	3925.4
60°	3545.8	3592.7	3728.6	4080.1	4656.6	4780.8	4087.1	3602.0	3311.4	3126.3	3128.6
62.5°	2006.1	2041.2	2146.7	2472.4	2831.0	2950.5	2547.4	2224.0	2022.5	1919.4	1886.6
65°	738.2	724.2	740.6	907.0	1127.2	1228.0	1059.3	895.2	789.8	752.3	738.2
67.5°	276.5	255.4	239.0	255.4	321.1	339.8	311.7	260.1	243.7	250.8	255.4
70°	171.1	161.7	128.9	121.9	119.5	117.2	124.2	131.2	150.0	175.8	180.5
72.5°	119.5	112.5	91.4	86.7	82.0	79.7	91.4	100.8	117.2	135.9	138.3
75°	46.9	49.2	46.9	51.6	53.9	56.2	65.6	72.6	79.7	79.7	77.3
77.5°	9.4	9.4	14.1	18.7	23.4	30.5	44.5	51.6	53.9	51.6	44.5
80°	0.0	0.0	4.7	9.4	18.7	25.8	39.8	44.5	49.2	44.5	35.2
82.5°	0.0	0.0	4.7	11.7	18.7	23.4	37.5	46.9	53.9	49.2	37.5
85°	0.0	0.0	4.7	9.4	14.1	16.4	16.4	11.7	11.7	7.0	4.7
87.5°	0.0	0.0	0.0	0.0	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)