

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: P531839

Luminaire Tested: **GALN-SA7A-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531839
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-SA7A-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 13203 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 215
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

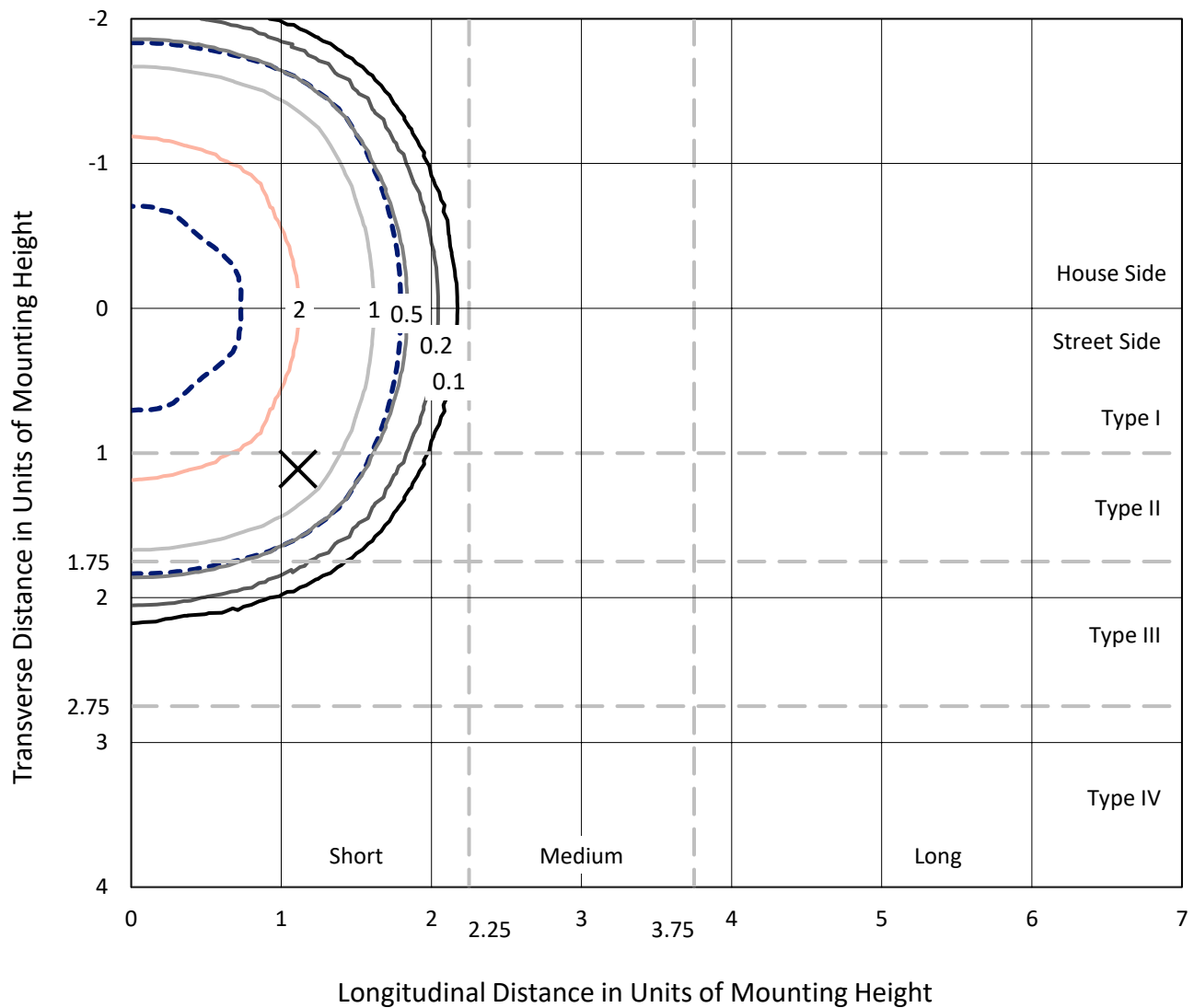


REPORT NUMBER: P531839

CATALOG NUMBER: GALN-SA7A-830-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

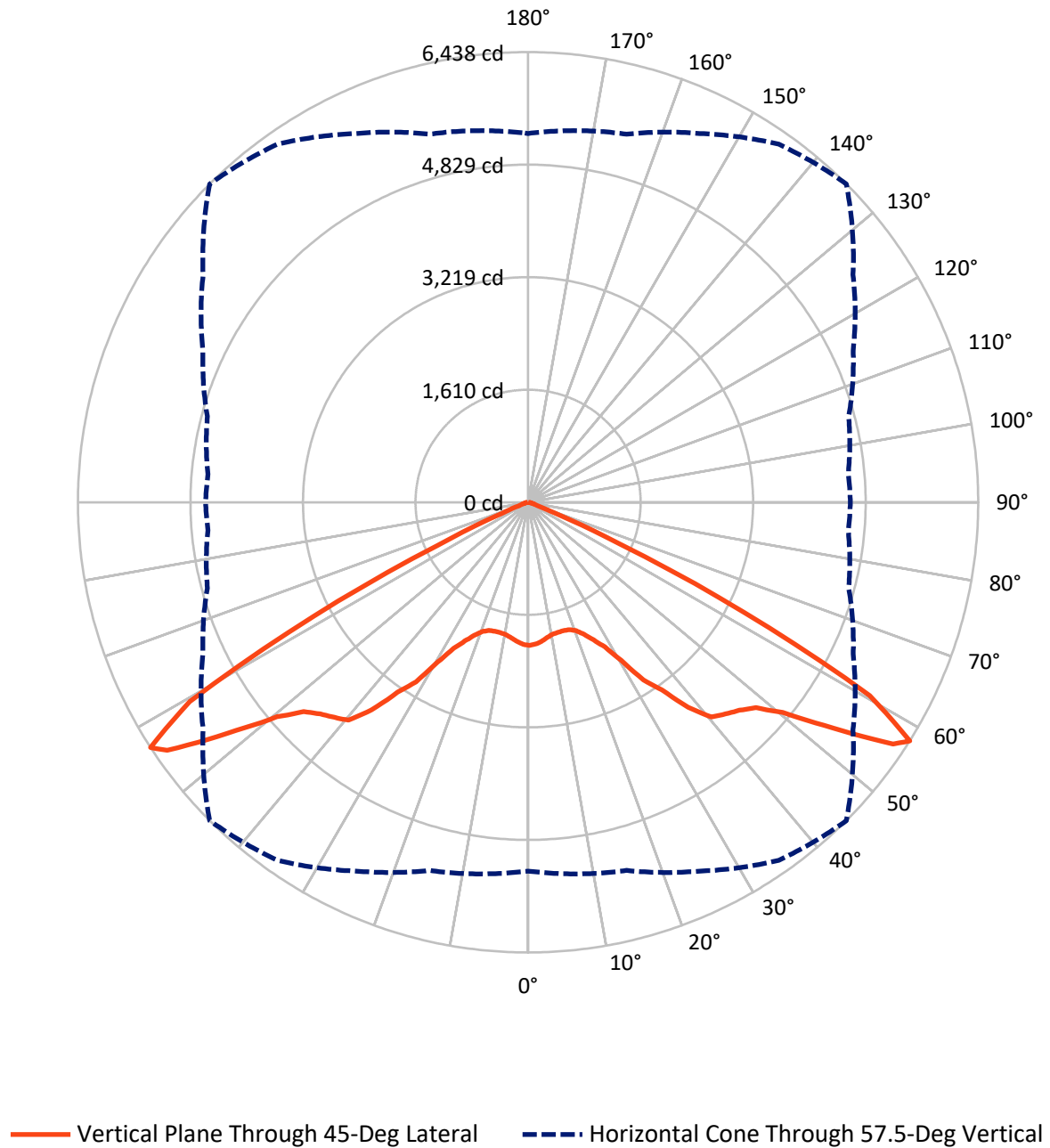
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P531839
CATALOG NUMBER: GALN-SA7A-830-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531839

CATALOG NUMBER: GALN-SA7A-830-U-5WQ-GRSBK

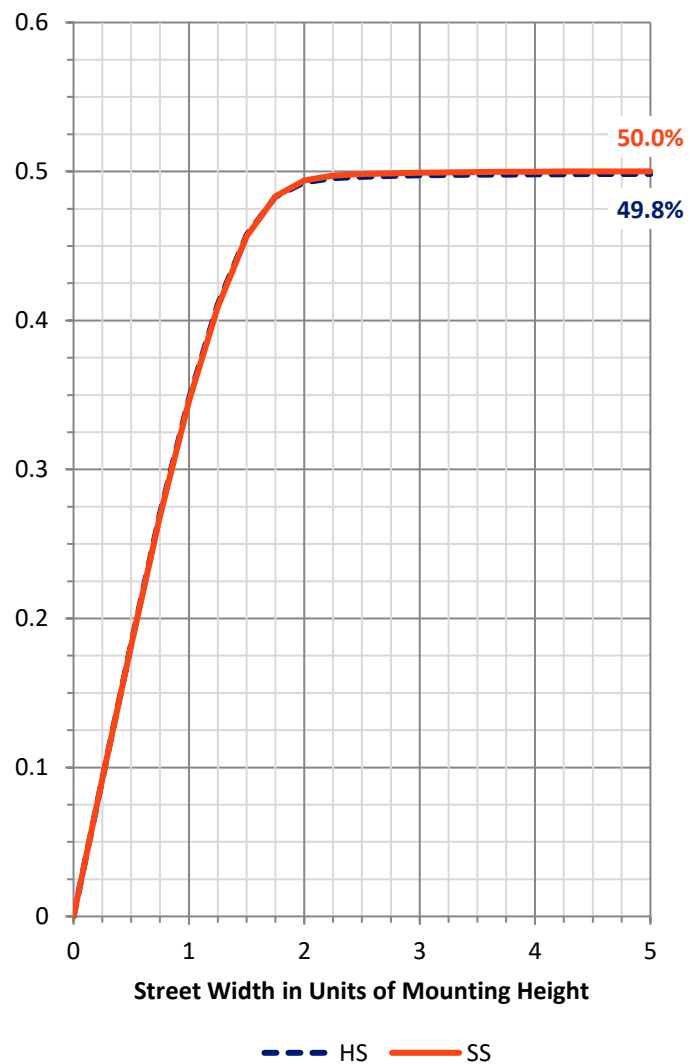
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6601.5	0.0	6601.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6601.5	0.0	6601.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13203.0	0.0	13203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	1.4
10°-20°	544.0	4.1
20°-30°	1004.1	7.6
30°-40°	1974.7	15.0
40°-50°	3216.2	24.4
50°-60°	4586.7	34.7
60°-70°	1588.0	12.0
70°-80°	85.2	0.6
80°-90°	16.0	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°	13203.0	100.0
0°-180°	13203.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531839

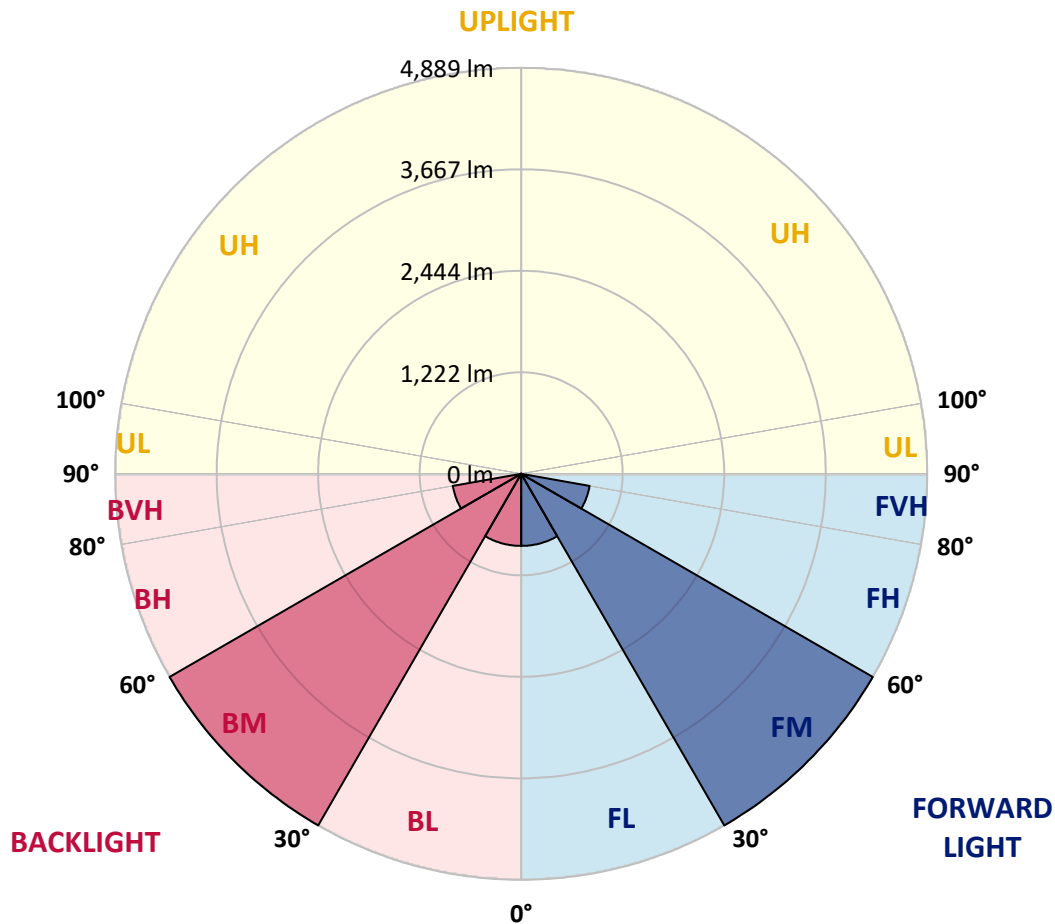
CATALOG NUMBER: GALN-SA7A-830-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	868.1	6.6			
FM	(30°-60°)	4888.8	37.0			
FH	(60°-80°)	836.6	6.3			G1/1800
FVH	(80°-90°)	8.0	0.1			G0/10
BL	(0°-30°)	868.1	6.6	B2/1000		
BM	(30°-60°)	4888.8	37.0	B3/5000		
BH	(60°-80°)	836.6	6.3	B2/1000		G1/1800
BVH	(80°-90°)	8.0	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: P531839

CATALOG NUMBER: GALN-SA7A-830-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9	2047.9
2.5°	2042.4	2053.4	2039.7	2034.2	2031.4	2031.4	2023.2	2023.2	2020.4	2023.2	2012.1
5°	2009.4	2020.4	2020.4	2017.6	2001.1	1998.4	1990.1	1984.6	1987.4	1976.4	1984.6
7.5°	1976.4	1984.6	1973.6	1970.9	1965.3	1954.3	1951.6	1926.8	1929.6	1929.6	1935.1
10°	1970.9	1968.1	1951.6	1937.8	1921.3	1918.6	1910.3	1904.8	1904.8	1902.0	1910.3
12.5°	1970.9	1957.1	1954.3	1924.1	1896.5	1907.5	1885.5	1871.8	1891.0	1896.5	1907.5
15°	1968.1	1981.9	1935.1	1921.3	1902.0	1904.8	1885.5	1871.8	1882.8	1888.3	1896.5
17.5°	1984.6	1976.4	1962.6	1935.1	1926.8	1915.8	1891.0	1880.0	1880.0	1893.8	1896.5
20°	2028.7	2006.6	1979.1	1965.3	1973.6	1959.8	1929.6	1888.3	1899.3	1910.3	1918.6
22.5°	2069.9	2053.4	2034.2	2025.9	2072.7	2050.7	1998.4	1951.6	1935.1	1954.3	1968.1
25°	2149.8	2149.8	2114.0	2125.0	2177.3	2180.0	2119.5	2036.9	2025.9	2034.2	2039.7
27.5°	2312.2	2320.4	2290.2	2301.2	2323.2	2342.5	2290.2	2221.3	2196.6	2193.8	2202.1
30°	2488.3	2504.9	2502.1	2548.9	2612.2	2623.2	2546.1	2433.3	2359.0	2345.2	2356.2
32.5°	2719.6	2727.8	2722.3	2777.4	2948.0	3027.8	2826.9	2667.3	2568.2	2592.9	2568.2
35°	3154.5	3146.2	3085.6	3096.7	3237.0	3294.8	3102.2	3000.3	2953.5	3003.1	2992.1
37.5°	3528.8	3498.5	3449.0	3520.6	3666.4	3718.7	3517.8	3338.9	3253.6	3336.1	3371.9
40°	3845.4	3768.3	3699.5	3771.0	3966.5	4038.0	3743.5	3597.6	3564.6	3625.2	3702.2
42.5°	4112.4	4062.8	3972.0	3977.5	4106.9	4139.9	3903.2	3817.8	3784.8	3881.1	3919.7
45°	4302.3	4255.5	4170.2	4164.7	4263.8	4241.7	4029.8	3972.0	3991.2	4054.6	4073.8
47.5°	4398.6	4423.4	4373.9	4387.6	4439.9	4387.6	4219.7	4219.7	4175.7	4214.2	4194.9
50°	4676.6	4599.6	4662.9	4662.9	4717.9	4723.4	4555.5	4495.0	4376.6	4310.5	4310.5
52.5°	5001.4	5007.0	5031.7	5122.6	5216.1	5296.0	5056.5	4797.8	4599.6	4514.2	4503.2
55°	5268.4	5323.5	5422.6	5593.3	5863.0	5973.1	5560.2	5097.8	4855.6	4723.4	4695.9
56°	5414.3	5362.0	5532.7	5766.7	6119.0	6262.1	5642.8	5158.3	4891.3	4742.7	4740.0
57.5°	5274.0	5331.8	5450.1	5819.0	6251.1	6438.3	5673.1	5130.8	4748.2	4596.8	4610.6
60°	4164.7	4219.7	4379.4	4792.3	5469.4	5615.3	4800.5	4230.7	3889.4	3671.9	3674.7
62.5°	2356.2	2397.5	2521.4	2904.0	3325.1	3465.5	2992.1	2612.2	2375.5	2254.4	2215.8
65°	867.1	850.5	869.8	1065.3	1324.0	1442.4	1244.2	1051.5	927.6	883.6	867.1
67.5°	324.8	300.0	280.8	300.0	377.1	399.1	366.1	305.5	286.3	294.5	300.0
70°	200.9	189.9	151.4	143.1	140.4	137.6	145.9	154.1	176.2	206.4	211.9
72.5°	140.4	132.1	107.4	101.8	96.3	93.6	107.4	118.4	137.6	159.6	162.4
75°	55.1	57.8	55.1	60.6	63.3	66.1	77.1	85.3	93.6	93.6	90.8
77.5°	11.0	11.0	16.5	22.0	27.5	35.8	52.3	60.6	63.3	60.6	52.3
80°	0.0	0.0	5.5	11.0	22.0	30.3	46.8	52.3	57.8	52.3	41.3
82.5°	0.0	0.0	5.5	13.8	22.0	27.5	44.0	55.1	63.3	57.8	44.0
85°	0.0	0.0	5.5	11.0	16.5	19.3	19.3	13.8	13.8	8.3	5.5
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)