

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: P526457

Luminaire Tested: **GALN-SA1B-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526457
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-SA1B-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

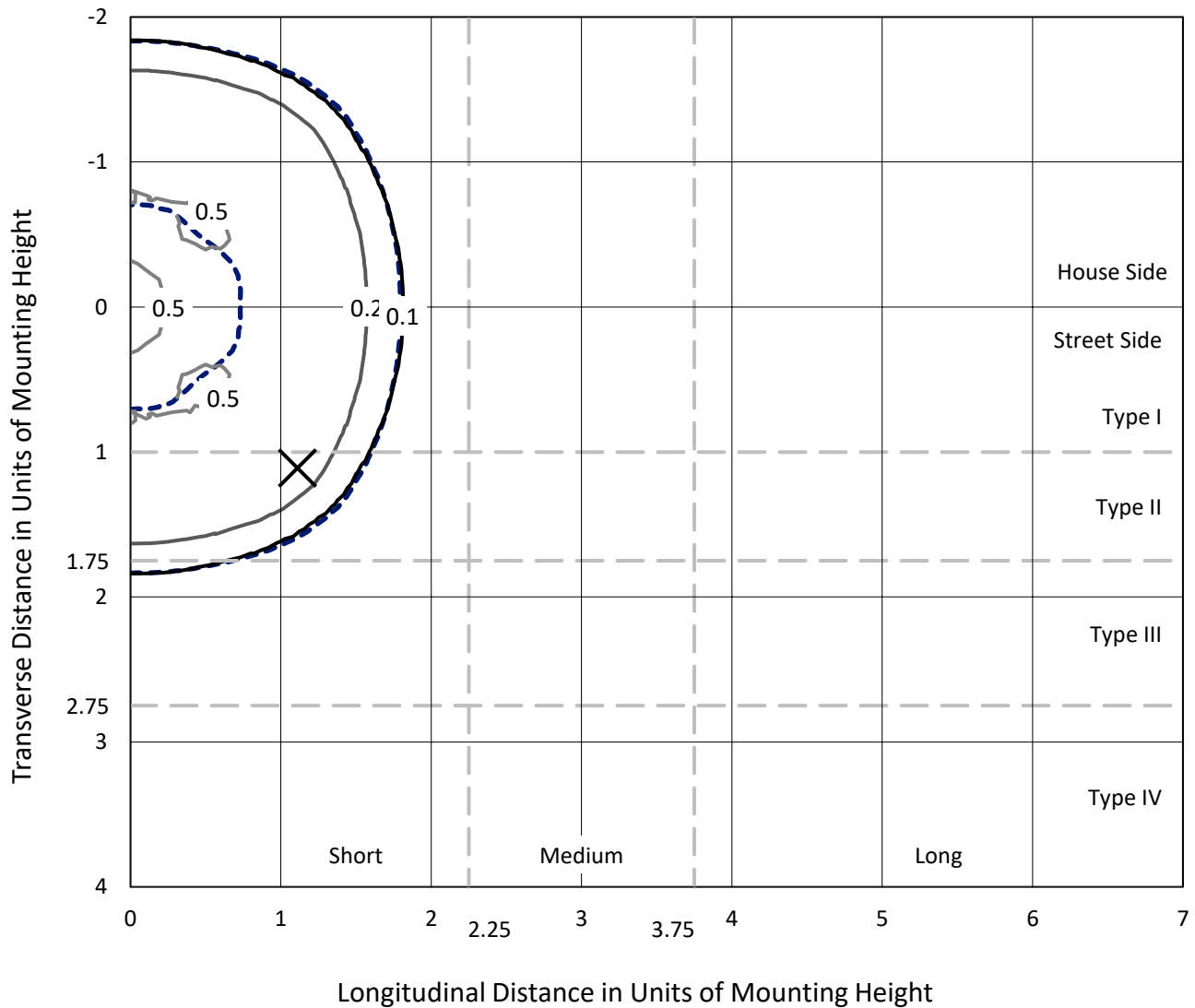
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526457
 CATALOG NUMBER: GALN-SA1B-830-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

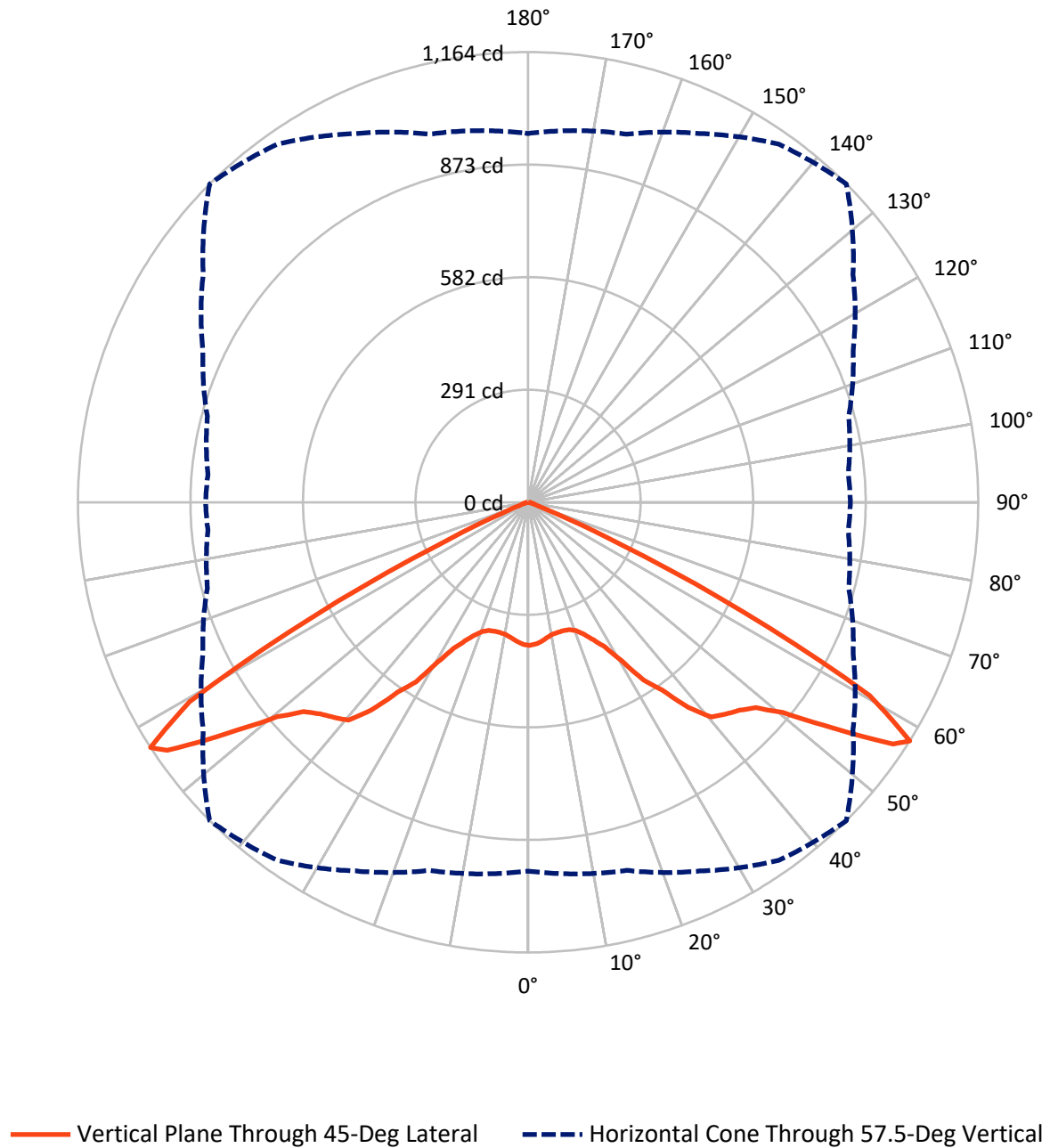
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P526457
CATALOG NUMBER: GALN-SA1B-830-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526457

CATALOG NUMBER: GALN-SA1B-830-U-5WQ-GRSBK

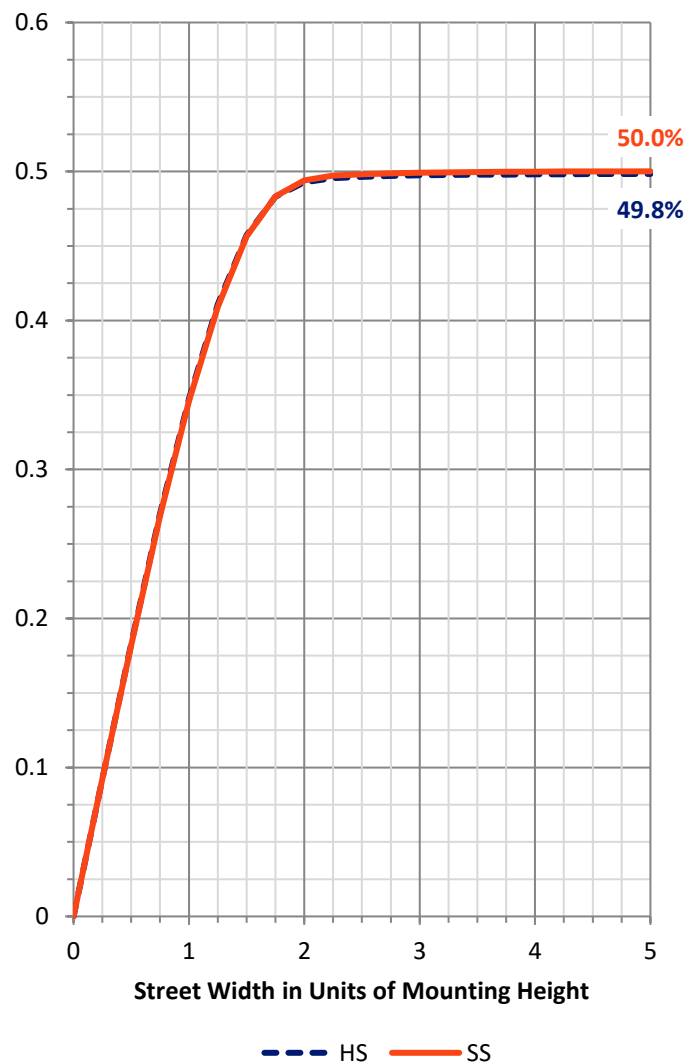
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1193.5	0.0	1193.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1193.5	0.0	1193.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2387.0	0.0	2387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.4
10°-20°	98.3	4.1
20°-30°	181.5	7.6
30°-40°	357.0	15.0
40°-50°	581.5	24.4
50°-60°	829.2	34.7
60°-70°	287.1	12.0
70°-80°	15.4	0.6
80°-90°	2.9	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°	2387.0	100.0
0°-180°	2387.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526457

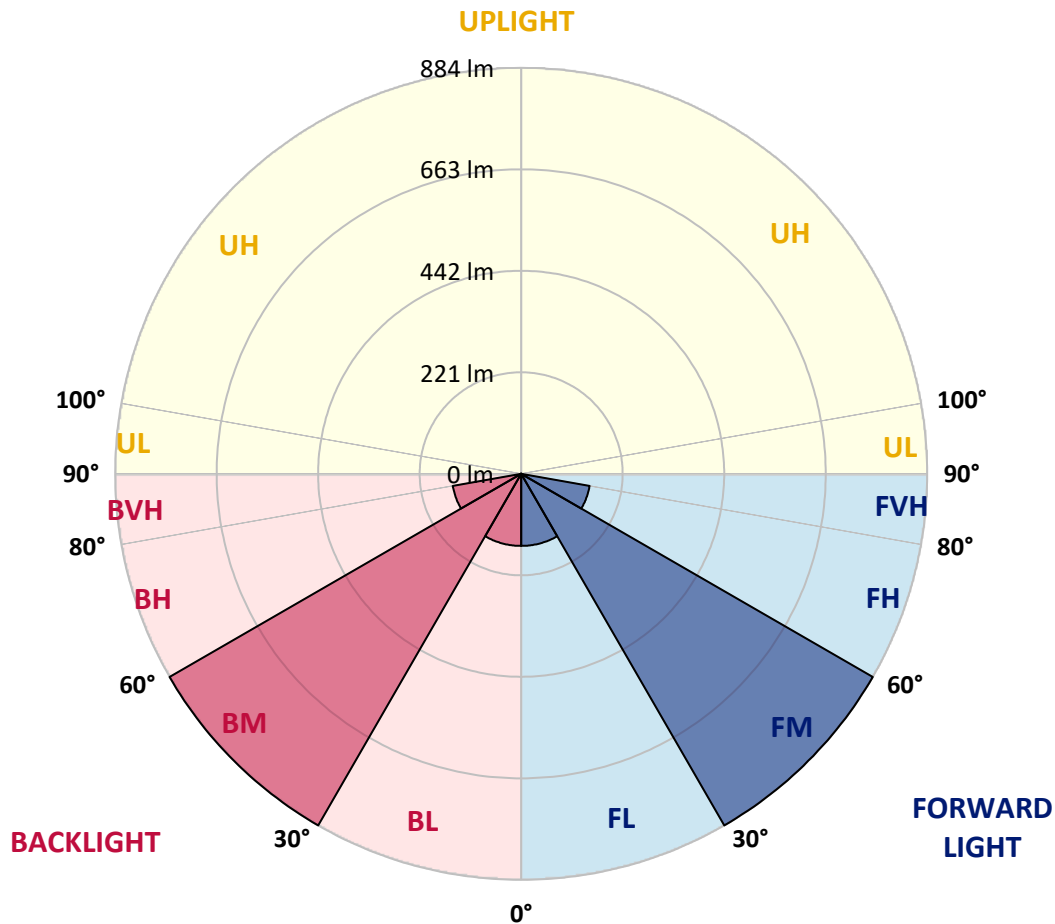
CATALOG NUMBER: GALN-SA1B-830-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.0	6.6			
FM	(30°-60°)	883.9	37.0			
FH	(60°-80°)	151.3	6.3			G0/660
FVH	(80°-90°)	1.5	0.1			G0/10
BL	(0°-30°)	157.0	6.6	B1/500		
BM	(30°-60°)	883.9	37.0	B1/1000		
BH	(60°-80°)	151.3	6.3	B1/500		G0/660
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



REPORT NUMBER: P526457

CATALOG NUMBER: GALN-SA1B-830-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	370.2	370.2	370.2	370.2	370.2	370.2	370.2	370.2	370.2	370.2	370.2
2.5°	369.3	371.2	368.8	367.8	367.3	367.3	365.8	365.8	365.3	365.8	363.8
5°	363.3	365.3	365.3	364.8	361.8	361.3	359.8	358.8	359.3	357.3	358.8
7.5°	357.3	358.8	356.8	356.3	355.3	353.3	352.8	348.4	348.8	348.8	349.8
10°	356.3	355.8	352.8	350.3	347.4	346.9	345.4	344.4	344.4	343.9	345.4
12.5°	356.3	353.8	353.3	347.9	342.9	344.9	340.9	338.4	341.9	342.9	344.9
15°	355.8	358.3	349.8	347.4	343.9	344.4	340.9	338.4	340.4	341.4	342.9
17.5°	358.8	357.3	354.8	349.8	348.4	346.4	341.9	339.9	339.9	342.4	342.9
20°	366.8	362.8	357.8	355.3	356.8	354.3	348.8	341.4	343.4	345.4	346.9
22.5°	374.2	371.2	367.8	366.3	374.7	370.7	361.3	352.8	349.8	353.3	355.8
25°	388.7	388.7	382.2	384.2	393.6	394.1	383.2	368.3	366.3	367.8	368.8
27.5°	418.0	419.5	414.0	416.0	420.0	423.5	414.0	401.6	397.1	396.6	398.1
30°	449.9	452.9	452.4	460.8	472.3	474.3	460.3	439.9	426.5	424.0	426.0
32.5°	491.7	493.2	492.2	502.1	533.0	547.4	511.1	482.2	464.3	468.8	464.3
35°	570.3	568.8	557.9	559.9	585.2	595.7	560.8	542.4	534.0	542.9	540.9
37.5°	638.0	632.5	623.6	636.5	662.9	672.3	636.0	603.6	588.2	603.1	609.6
40°	695.2	681.3	668.8	681.8	717.1	730.0	676.8	650.4	644.5	655.4	669.3
42.5°	743.5	734.5	718.1	719.1	742.5	748.5	705.7	690.2	684.3	701.7	708.6
45°	777.8	769.4	753.9	752.9	770.9	766.9	728.6	718.1	721.6	733.0	736.5
47.5°	795.2	799.7	790.8	793.2	802.7	793.2	762.9	762.9	754.9	761.9	758.4
50°	845.5	831.6	843.0	843.0	853.0	854.0	823.6	812.7	791.3	779.3	779.3
52.5°	904.2	905.2	909.7	926.1	943.0	957.5	914.2	867.4	831.6	816.1	814.1
55°	952.5	962.4	980.4	1011.2	1060.0	1079.9	1005.2	921.6	877.8	854.0	849.0
56°	978.9	969.4	1000.3	1042.6	1106.3	1132.1	1020.2	932.6	884.3	857.4	856.9
57.5°	953.5	963.9	985.3	1052.0	1130.2	1164.0	1025.6	927.6	858.4	831.1	833.6
60°	752.9	762.9	791.8	866.4	988.8	1015.2	867.9	764.9	703.2	663.9	664.4
62.5°	426.0	433.4	455.8	525.0	601.2	626.5	540.9	472.3	429.5	407.6	400.6
65°	156.8	153.8	157.3	192.6	239.4	260.8	224.9	190.1	167.7	159.7	156.8
67.5°	58.7	54.2	50.8	54.2	68.2	72.2	66.2	55.2	51.8	53.2	54.2
70°	36.3	34.3	27.4	25.9	25.4	24.9	26.4	27.9	31.8	37.3	38.3
72.5°	25.4	23.9	19.4	18.4	17.4	16.9	19.4	21.4	24.9	28.9	29.4
75°	10.0	10.5	10.0	10.9	11.4	11.9	13.9	15.4	16.9	16.9	16.4
77.5°	2.0	2.0	3.0	4.0	5.0	6.5	9.5	10.9	11.4	10.9	9.5
80°	0.0	0.0	1.0	2.0	4.0	5.5	8.5	9.5	10.5	9.5	7.5
82.5°	0.0	0.0	1.0	2.5	4.0	5.0	8.0	10.0	11.4	10.5	8.0
85°	0.0	0.0	1.0	2.0	3.0	3.5	3.5	2.5	2.5	1.5	1.0
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)