

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: P526067

Luminaire Tested: **GALN-SA1A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526067
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-SA1A-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA 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: 2198 lumens
Efficiency: N/A
Efficacy: 66.6 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

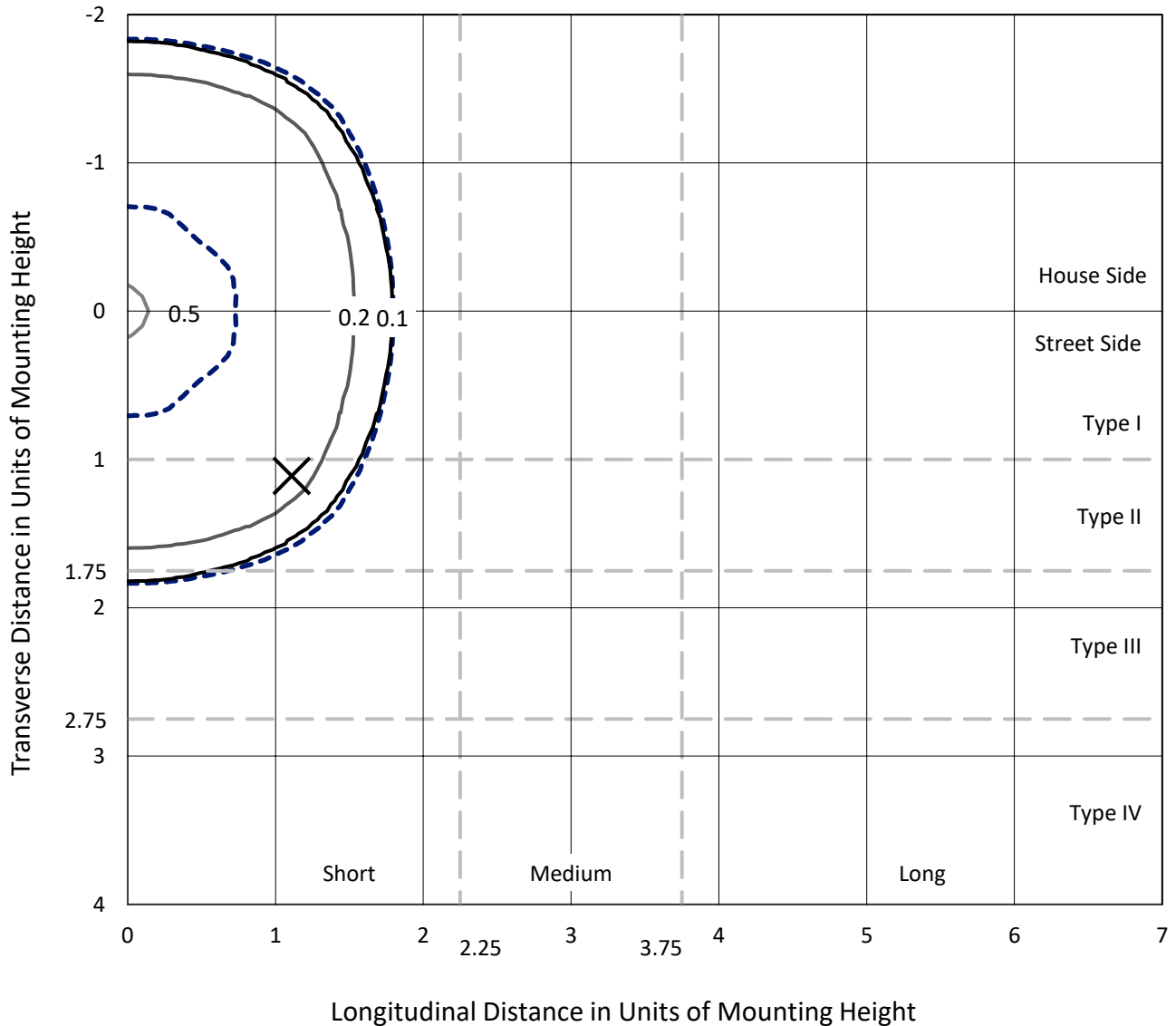
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526067
 CATALOG NUMBER: GALN-SA1A-730-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

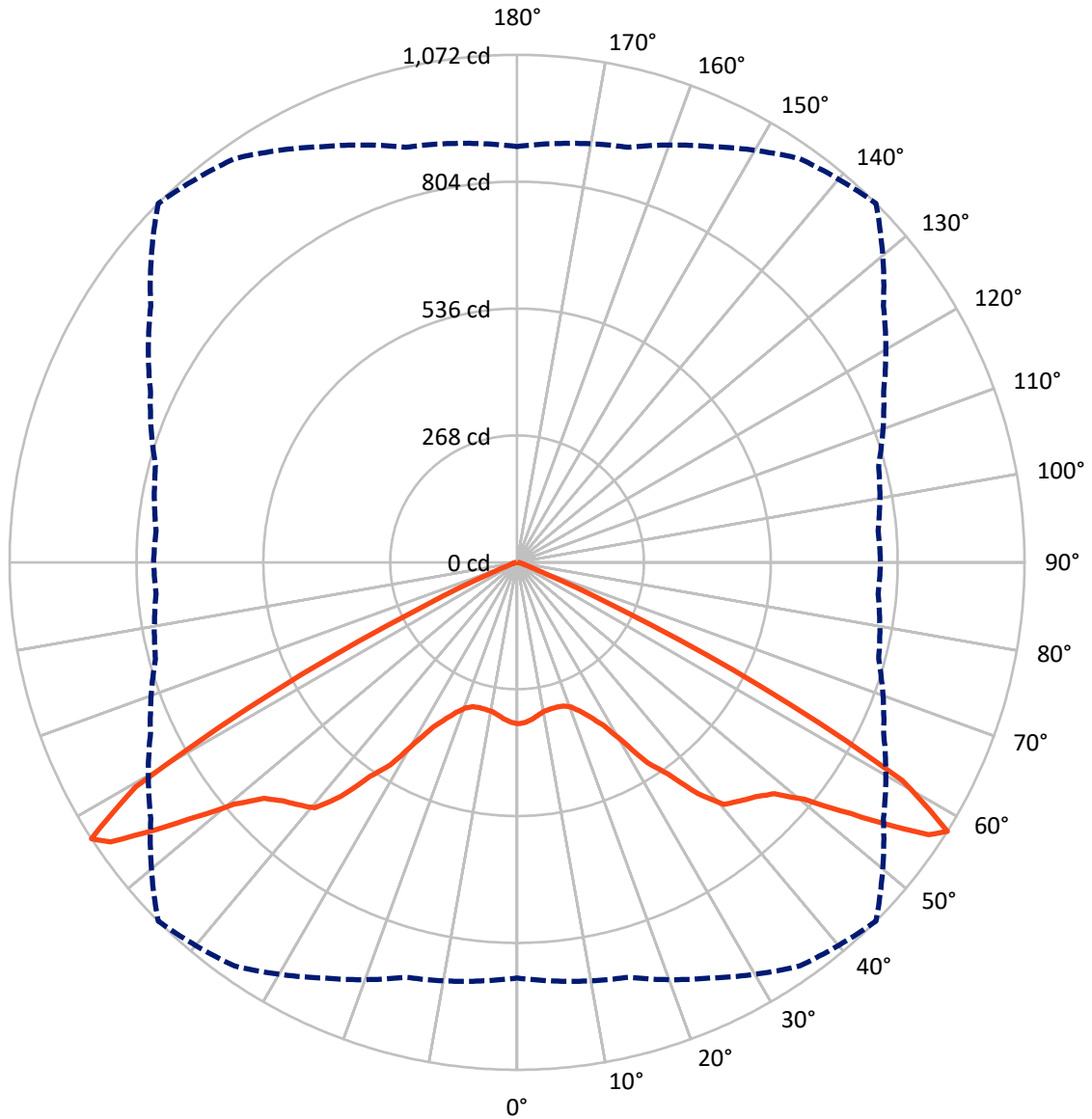
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

REPORT NUMBER: P526067
CATALOG NUMBER: GALN-SA1A-730-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P526067
 CATALOG NUMBER: GALN-SA1A-730-U-5WQ-GRSBK

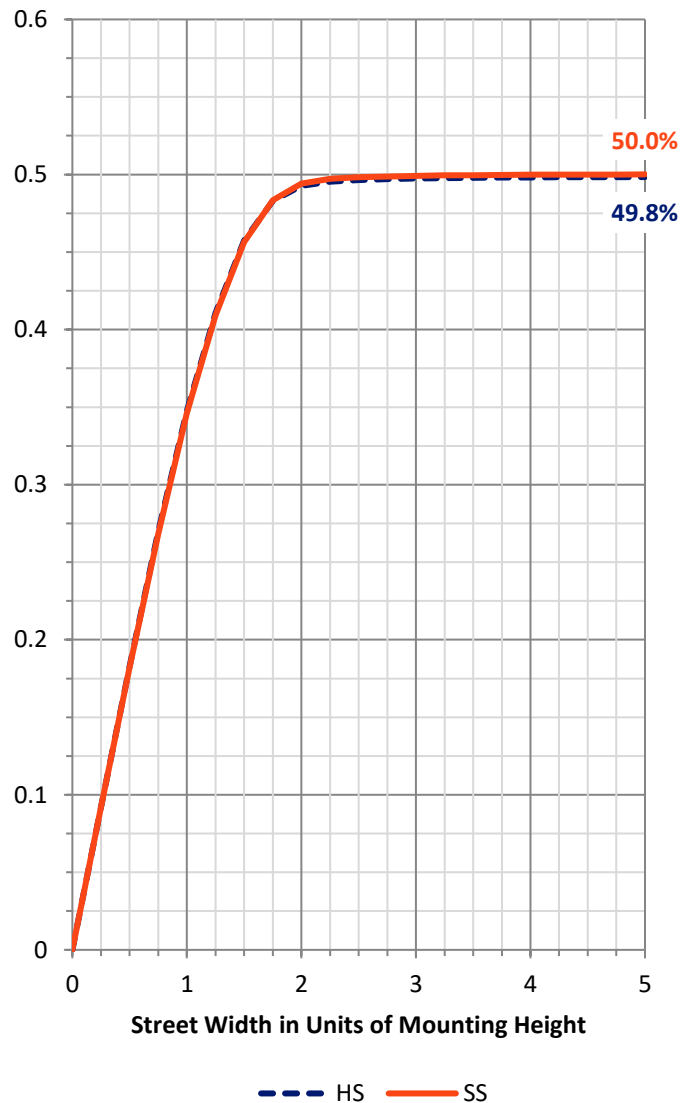
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1099.0	0.0	1099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1099.0	0.0	1099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2198.0	0.0	2198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.4
10°-20°	90.6	4.1
20°-30°	167.2	7.6
30°-40°	328.7	15.0
40°-50°	535.4	24.4
50°-60°	763.6	34.7
60°-70°	264.4	12.0
70°-80°	14.2	0.6
80°-90°	2.7	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°	2198.0	100.0
0°-180°	2198.0	100.0

Coefficient of Utilization

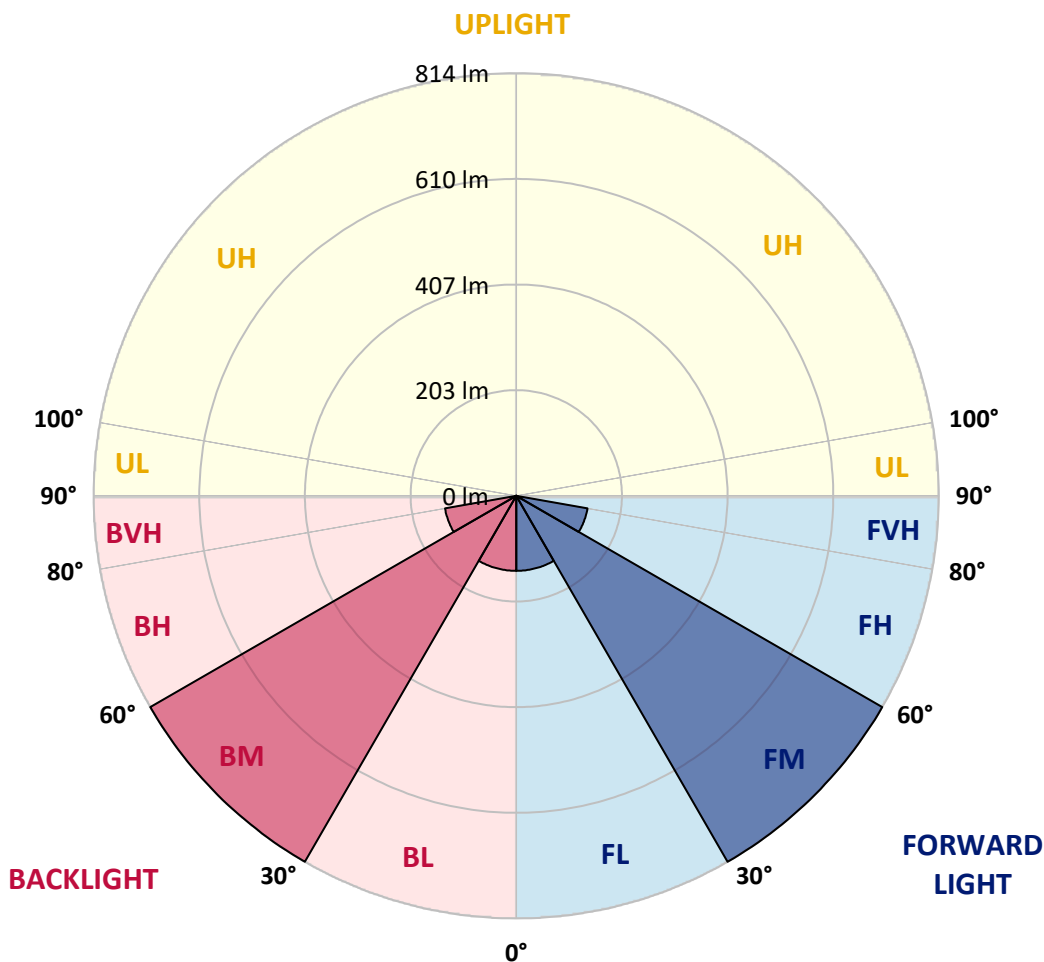


REPORT NUMBER: P526067
 CATALOG NUMBER: GALN-SA1A-730-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.5	6.6			
FM (30°-60°)	813.9	37.0			
FH (60°-80°)	139.3	6.3			G0/660
FVH (80°-90°)	1.3	0.1			G0/10
BL (0°-30°)	144.5	6.6	B1/500		
BM (30°-60°)	813.9	37.0	B1/1000		
BH (60°-80°)	139.3	6.3	B1/500		G0/660
BVH (80°-90°)	1.3	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: P526067
 CATALOG NUMBER: GALN-SA1A-730-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9
2.5°	340.0	341.8	339.6	338.6	338.2	338.2	336.8	336.8	336.4	336.8	335.0
5°	334.5	336.4	336.4	335.9	333.1	332.7	331.3	330.4	330.9	329.0	330.4
7.5°	329.0	330.4	328.6	328.1	327.2	325.4	324.9	320.8	321.2	321.2	322.1
10°	328.1	327.6	324.9	322.6	319.9	319.4	318.0	317.1	317.1	316.6	318.0
12.5°	328.1	325.8	325.4	320.3	315.7	317.6	313.9	311.6	314.8	315.7	317.6
15°	327.6	329.9	322.1	319.9	316.6	317.1	313.9	311.6	313.4	314.4	315.7
17.5°	330.4	329.0	326.7	322.1	320.8	318.9	314.8	313.0	313.0	315.3	315.7
20°	337.7	334.1	329.5	327.2	328.6	326.3	321.2	314.4	316.2	318.0	319.4
22.5°	344.6	341.8	338.6	337.3	345.1	341.4	332.7	324.9	322.1	325.4	327.6
25°	357.9	357.9	351.9	353.8	362.5	362.9	352.8	339.1	337.3	338.6	339.6
27.5°	384.9	386.3	381.3	383.1	386.8	390.0	381.3	369.8	365.7	365.2	366.6
30°	414.3	417.0	416.5	424.3	434.9	436.7	423.9	405.1	392.7	390.4	392.3
32.5°	452.7	454.1	453.2	462.4	490.8	504.1	470.6	444.0	427.5	431.7	427.5
35°	525.1	523.8	513.7	515.5	538.9	548.5	516.4	499.5	491.7	499.9	498.1
37.5°	587.5	582.4	574.2	586.1	610.4	619.1	585.6	555.8	541.6	555.4	561.3
40°	640.2	627.3	615.9	627.8	660.3	672.2	623.2	598.9	593.4	603.5	616.3
42.5°	684.6	676.4	661.2	662.2	683.7	689.2	649.8	635.6	630.1	646.1	652.5
45°	716.2	708.4	694.2	693.3	709.8	706.2	670.9	661.2	664.5	675.0	678.2
47.5°	732.3	736.4	728.1	730.4	739.1	730.4	702.5	702.5	695.2	701.6	698.4
50°	778.6	765.7	776.3	776.3	785.4	786.3	758.4	748.3	728.6	717.6	717.6
52.5°	832.6	833.5	837.7	852.8	868.4	881.7	841.8	798.7	765.7	751.5	749.7
55°	877.1	886.2	902.7	931.1	976.1	994.4	925.7	848.7	808.3	786.3	781.8
56°	901.4	892.7	921.1	960.0	1018.7	1042.5	939.4	858.7	814.3	789.6	789.1
57.5°	878.0	887.6	907.3	968.7	1040.7	1071.8	944.4	854.2	790.5	765.3	767.6
60°	693.3	702.5	729.1	797.8	910.5	934.8	799.2	704.3	647.5	611.3	611.8
62.5°	392.3	399.1	419.8	483.4	553.6	576.9	498.1	434.9	395.5	375.3	368.9
65°	144.3	141.6	144.8	177.3	220.4	240.1	207.1	175.0	154.4	147.1	144.3
67.5°	54.1	49.9	46.7	49.9	62.8	66.4	60.9	50.9	47.7	49.0	49.9
70°	33.5	31.6	25.2	23.8	23.4	22.9	24.3	25.7	29.3	34.4	35.3
72.5°	23.4	22.0	17.9	17.0	16.0	15.6	17.9	19.7	22.9	26.6	27.0
75°	9.2	9.6	9.2	10.1	10.5	11.0	12.8	14.2	15.6	15.6	15.1
77.5°	1.8	1.8	2.7	3.7	4.6	6.0	8.7	10.1	10.5	10.1	8.7
80°	0.0	0.0	0.9	1.8	3.7	5.0	7.8	8.7	9.6	8.7	6.9
82.5°	0.0	0.0	0.9	2.3	3.7	4.6	7.3	9.2	10.5	9.6	7.3
85°	0.0	0.0	0.9	1.8	2.7	3.2	3.2	2.3	2.3	1.4	0.9
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)