

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: P526224

Luminaire Tested: **GALN-SA1A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3119 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

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

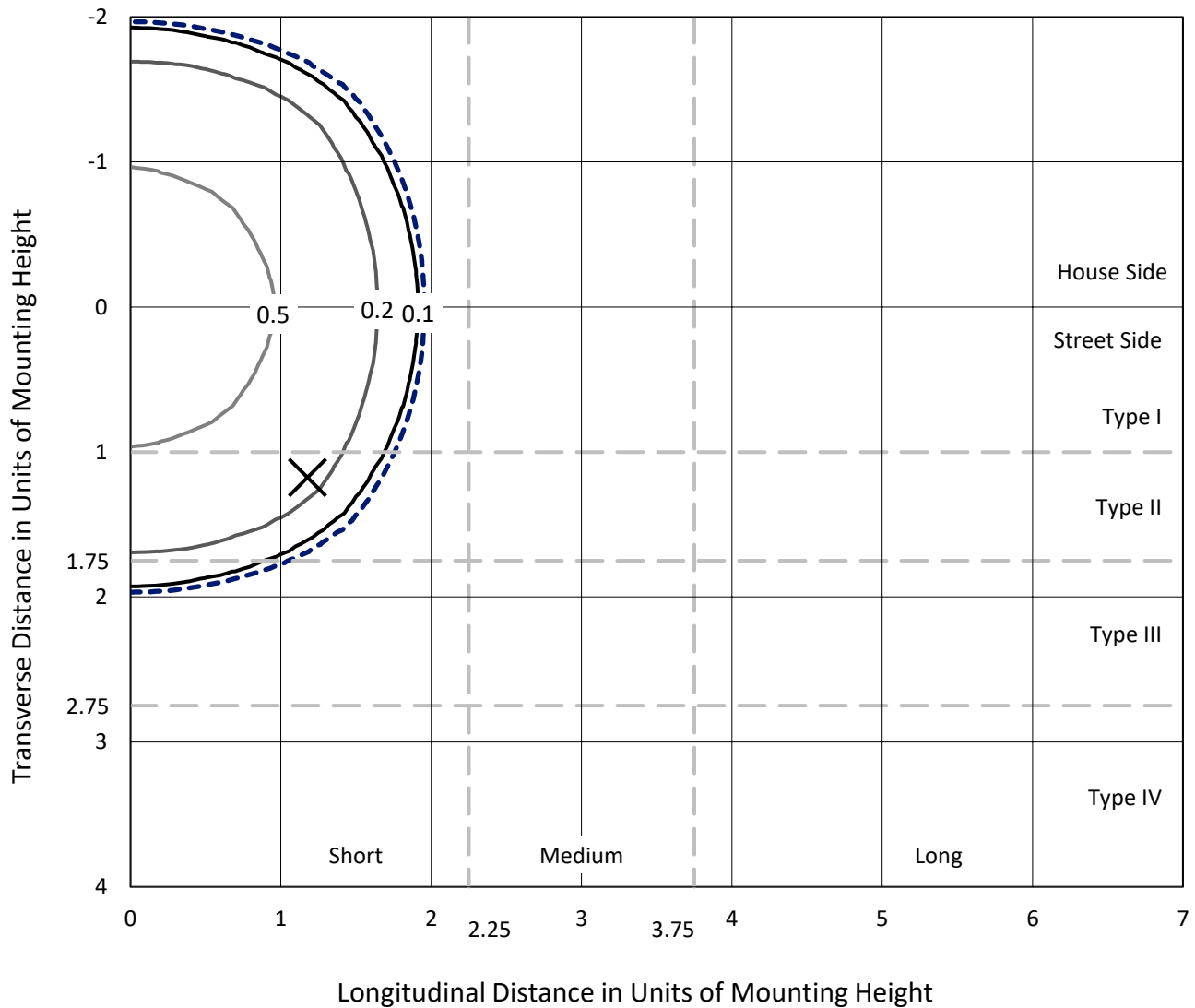


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

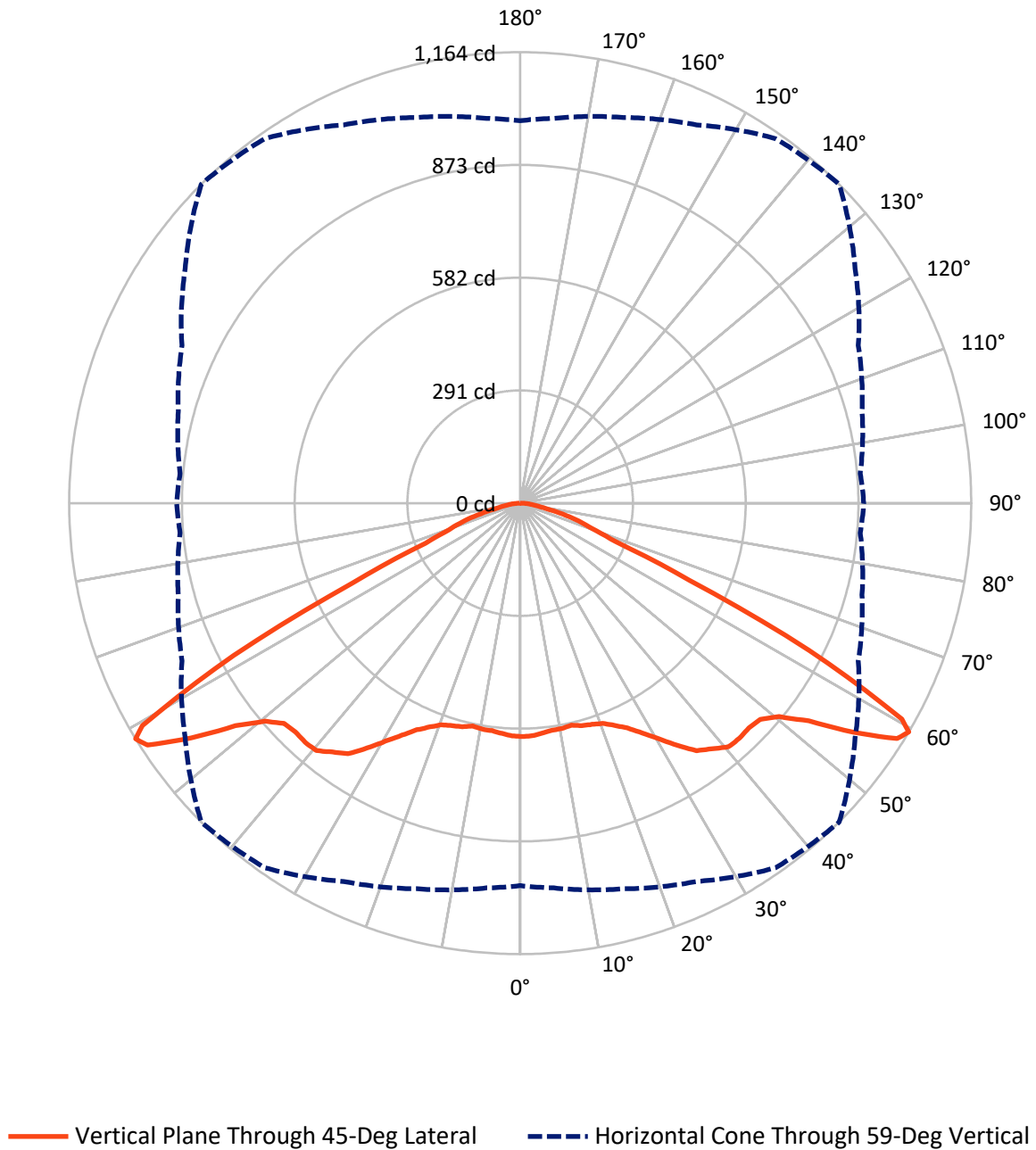


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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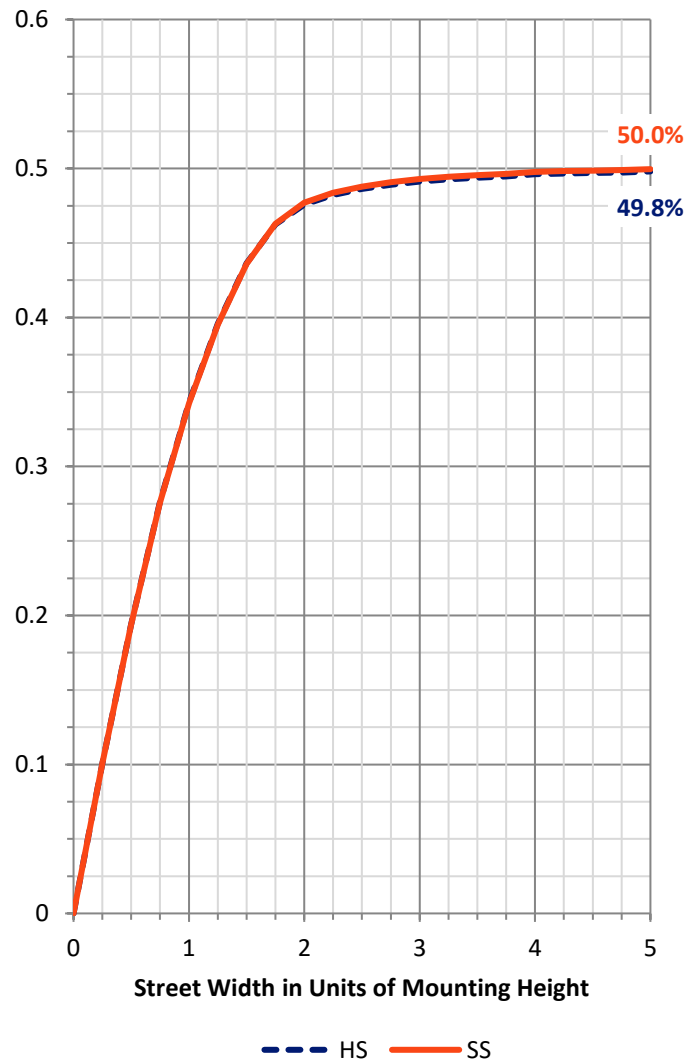
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1559.5	0.0	1559.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1559.5	0.0	1559.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3119.0	0.0	3119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.8
10°-20°	168.9	5.4
20°-30°	294.9	9.5
30°-40°	471.0	15.1
40°-50°	641.6	20.6
50°-60°	867.6	27.8
60°-70°	475.8	15.3
70°-80°	121.7	3.9
80°-90°	20.8	0.7
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°	3119.0	100.0
0°-180°	3119.0	100.0

Coefficient of Utilization



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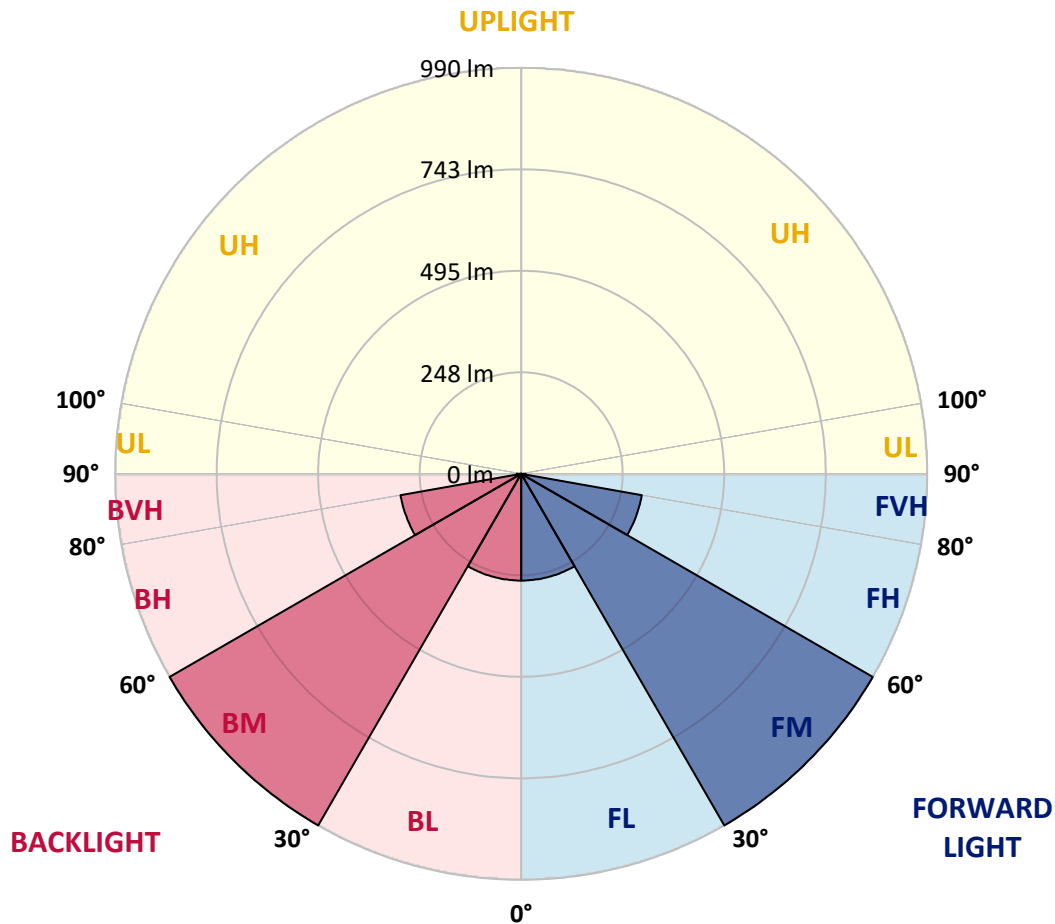
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.3	8.3			
FM	(30°-60°)	990.1	31.7			
FH	(60°-80°)	298.8	9.6			G0/660
FVH	(80°-90°)	10.4	0.3			G1/100
BL	(0°-30°)	260.3	8.3	B1/500		
BM	(30°-60°)	990.1	31.7	B1/1000		
BH	(60°-80°)	298.8	9.6	B1/500		G0/660
BVH	(80°-90°)	10.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	598.8	603.2	600.0	602.8	602.4	601.2	599.2	598.0	596.4	598.8	594.8
5°	596.4	600.0	603.6	598.8	598.8	596.4	595.2	592.8	592.8	592.4	592.0
7.5°	600.4	596.8	595.2	596.0	596.8	591.6	595.2	590.4	586.5	589.2	592.4
10°	596.8	598.4	592.4	595.2	590.8	591.6	589.2	592.4	588.1	588.1	588.1
12.5°	600.4	596.0	598.0	596.0	594.8	588.1	591.2	587.7	587.3	591.2	587.7
15°	607.6	600.4	598.8	594.8	596.0	596.0	592.8	593.2	588.8	591.2	592.0
17.5°	605.2	601.2	600.0	595.2	599.2	600.4	594.4	590.4	593.2	592.8	592.4
20°	607.2	608.8	607.6	608.4	610.0	606.8	601.2	595.6	592.0	597.2	596.8
22.5°	620.0	618.4	617.6	616.8	619.6	622.8	615.2	606.4	606.4	610.0	611.6
25°	630.4	630.0	629.6	633.2	642.8	642.8	633.2	622.0	619.2	621.6	619.6
27.5°	645.6	650.0	648.4	654.8	668.8	672.0	659.2	646.0	638.4	635.6	639.2
30°	680.4	675.2	676.4	683.2	695.6	706.0	686.4	672.4	662.0	661.6	663.2
32.5°	703.6	707.6	711.2	717.6	737.2	745.2	721.6	698.8	692.4	688.8	690.0
35°	750.0	746.4	745.6	752.0	771.5	784.7	755.2	735.2	726.8	734.8	734.8
37.5°	793.9	783.9	776.3	784.7	802.7	804.3	779.1	768.3	763.9	773.1	772.7
40°	814.7	813.9	796.3	801.1	825.1	827.5	803.9	791.1	790.3	802.3	814.3
42.5°	836.3	828.7	811.1	814.3	829.1	829.9	807.5	803.9	812.7	824.3	825.1
45°	839.9	833.5	822.3	814.3	825.1	827.5	814.3	816.7	817.5	831.5	831.5
47.5°	847.1	846.3	839.9	833.9	835.9	833.9	825.5	829.1	841.1	847.9	844.7
50°	867.1	858.7	865.1	859.9	860.3	865.9	858.3	861.9	859.5	853.5	849.5
52.5°	911.1	907.1	912.7	916.3	920.3	933.0	924.3	905.1	887.1	871.1	870.7
55°	975.4	978.2	989.0	1007.4	1023.0	1043.4	1001.0	955.0	926.2	901.1	902.7
57.5°	1036.2	1034.2	1049.0	1091.0	1136.5	1146.9	1063.8	998.2	951.4	935.4	928.6
59°	987.4	997.0	1030.6	1077.4	1148.9	1164.1	1055.4	963.0	913.5	881.1	886.7
60°	910.7	914.3	944.2	1009.4	1106.1	1132.1	999.0	908.7	842.7	823.9	832.3
62.5°	643.6	640.8	662.4	715.6	802.3	837.5	742.8	679.2	637.6	616.8	621.6
65°	342.2	355.0	363.8	397.0	442.9	480.1	440.9	413.4	390.2	373.0	372.6
67.5°	231.1	229.5	231.5	239.1	254.6	265.0	264.2	250.3	248.3	245.1	248.7
70°	194.7	193.9	190.3	190.3	193.5	195.9	198.7	200.3	203.5	207.5	207.1
72.5°	157.9	155.9	153.5	152.3	156.3	157.5	161.1	162.7	165.5	165.1	168.7
75°	104.3	104.3	107.1	110.3	111.5	113.9	114.3	119.1	119.1	119.9	116.7
77.5°	58.4	56.8	58.8	62.0	64.8	69.2	73.6	77.2	79.2	78.4	78.4
80°	34.0	34.0	36.0	39.6	43.2	47.2	50.4	53.2	55.2	54.4	52.8
82.5°	21.2	21.2	23.2	26.8	29.6	32.0	36.4	40.0	42.4	41.6	39.6
85°	10.8	10.8	13.2	15.6	19.2	20.8	20.4	18.8	18.4	16.4	16.4
87.5°	2.8	2.8	4.0	4.4	3.6	4.0	4.0	4.0	4.0	4.0	4.4
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)