

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: P526227

Luminaire Tested: **GALN-SA1A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2376 lumens
Efficiency: N/A
Efficacy: 72.0 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

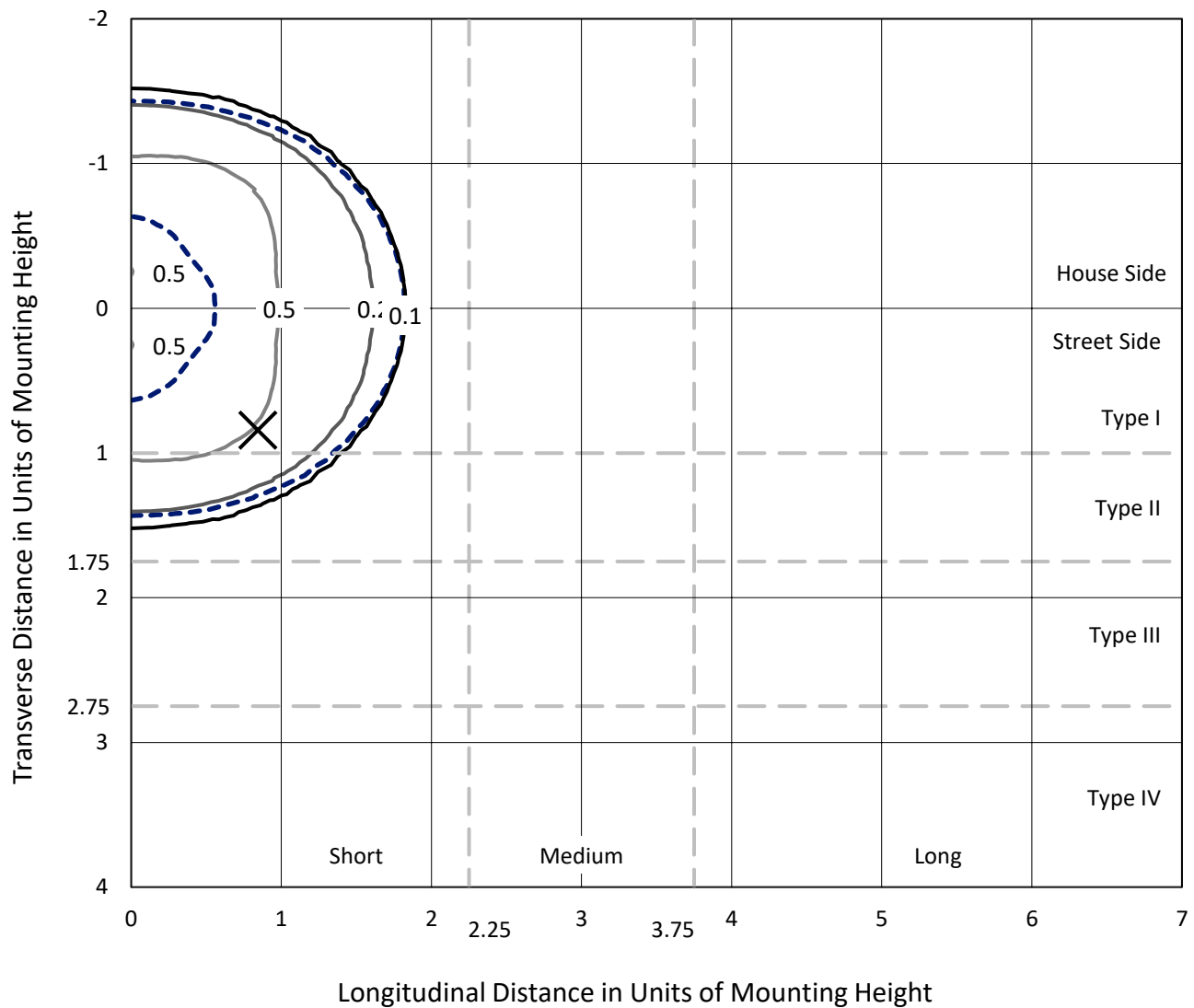


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

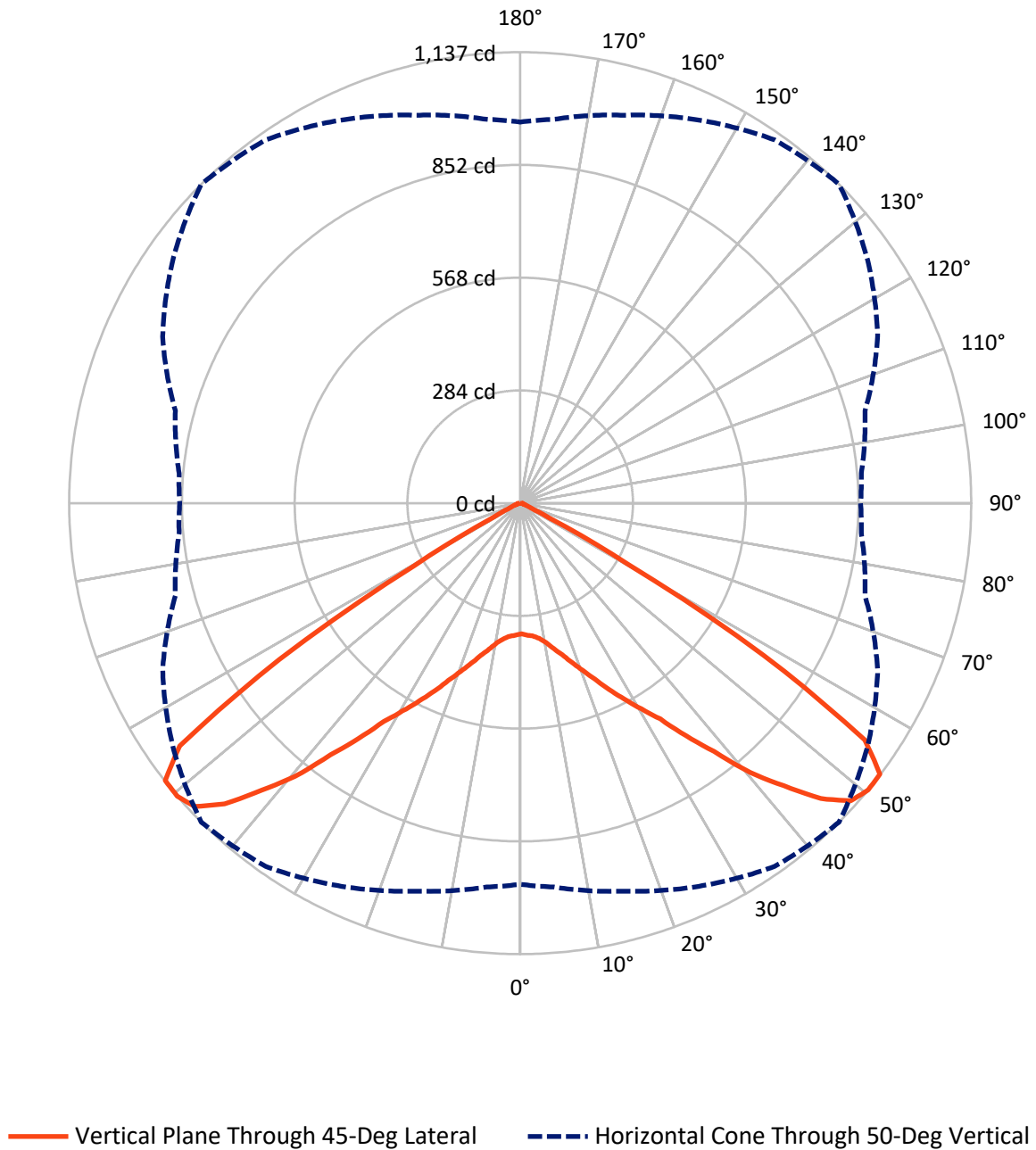


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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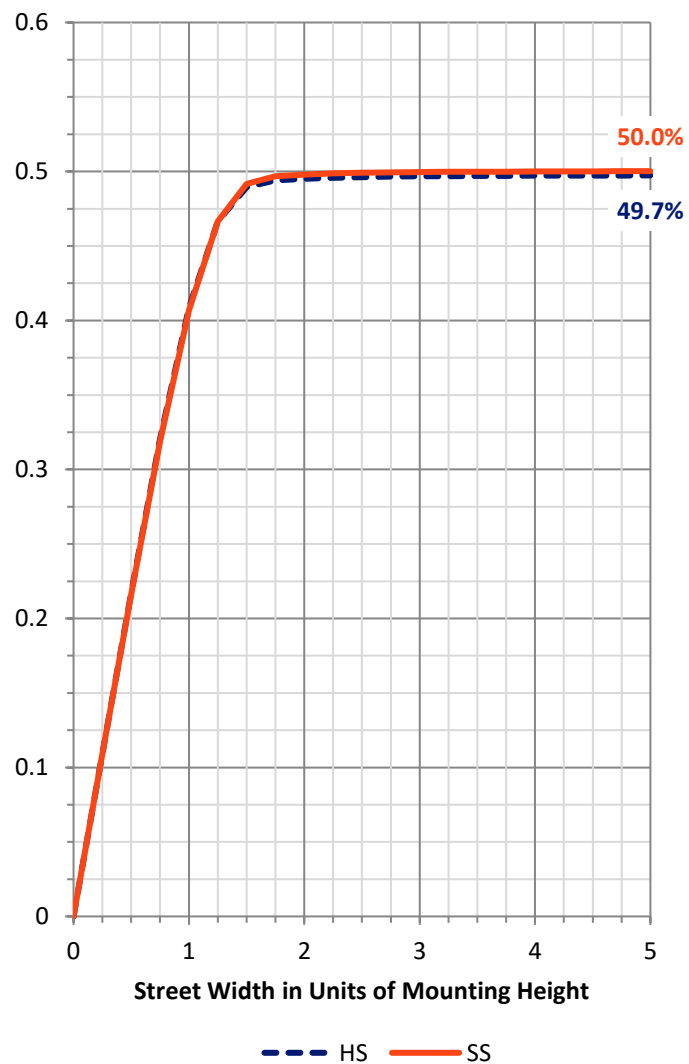
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.0	0.0	1188.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1188.0	0.0	1188.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2376.0	0.0	2376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	1.4
10°-20°	112.9	4.8
20°-30°	230.7	9.7
30°-40°	439.9	18.5
40°-50°	741.3	31.2
50°-60°	707.0	29.8
60°-70°	98.7	4.2
70°-80°	9.4	0.4
80°-90°	3.3	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°	2376.0	100.0
0°-180°	2376.0	100.0

Coefficient of Utilization



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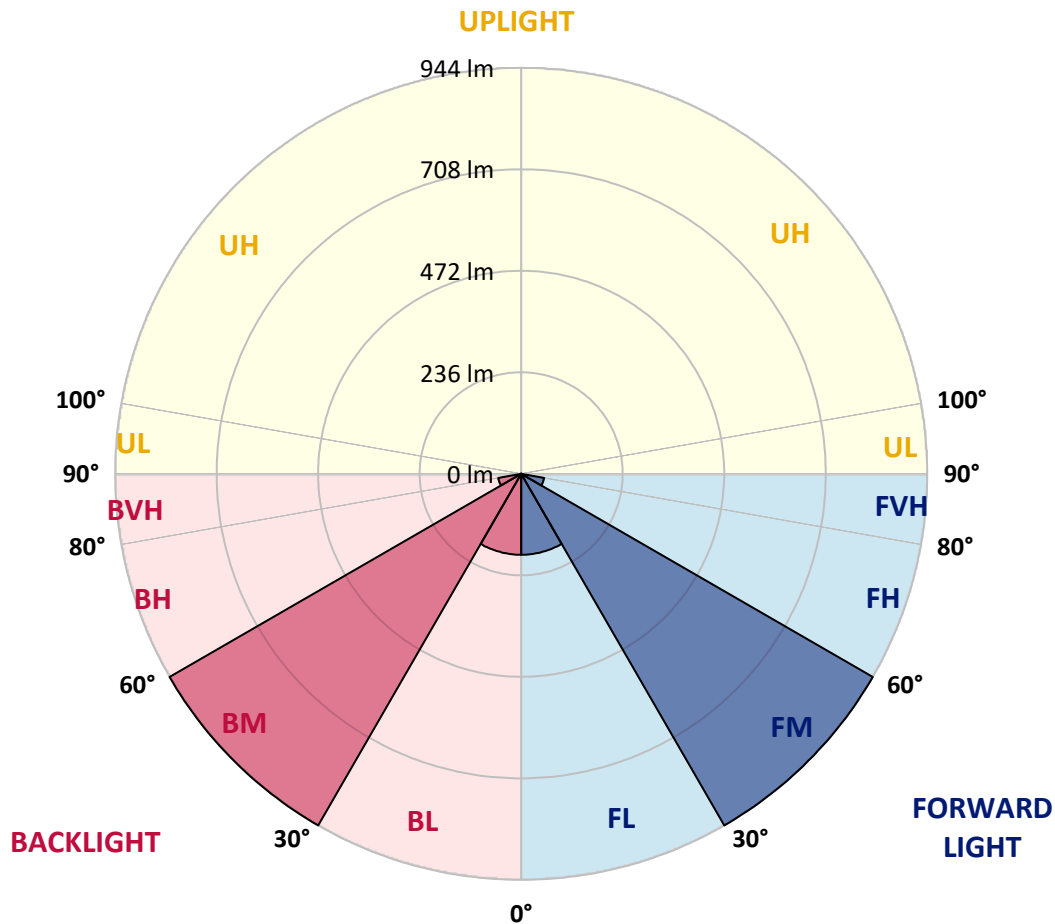
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.2	7.9			
FM	(30°-60°)	944.1	39.7			
FH	(60°-80°)	54.1	2.3			G0/660
FVH	(80°-90°)	1.6	0.1			G0/10
BL	(0°-30°)	188.2	7.9	B1/500		
BM	(30°-60°)	944.1	39.7	B1/1000		
BH	(60°-80°)	54.1	2.3	B0/110		G0/660
BVH	(80°-90°)	1.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4
2.5°	328.2	328.2	327.8	331.0	329.4	333.0	332.6	333.8	335.0	334.6	337.8
5°	325.4	325.0	325.0	328.6	332.2	336.2	339.8	342.2	346.2	346.2	350.2
7.5°	328.2	326.2	329.0	330.6	337.4	344.2	350.2	355.0	364.2	367.4	366.2
10°	329.0	331.4	333.4	338.2	346.6	357.0	362.2	374.2	384.6	391.8	393.4
12.5°	334.2	337.8	343.4	355.0	362.6	376.2	383.4	395.0	409.4	417.4	423.0
15°	344.2	345.4	352.6	367.4	383.8	396.2	407.4	415.8	429.7	438.9	439.3
17.5°	357.0	362.2	372.2	386.2	403.4	421.8	430.5	439.7	444.9	457.3	460.1
20°	382.6	383.4	393.0	411.4	432.9	449.7	456.1	460.9	458.9	471.7	474.1
22.5°	406.6	407.4	419.4	444.1	467.3	481.7	484.5	481.7	475.7	484.9	485.7
25°	430.9	438.1	446.9	471.7	500.5	519.7	520.1	512.5	500.1	501.7	505.7
27.5°	468.9	474.1	483.3	506.1	537.7	559.3	555.7	546.5	530.5	531.7	530.5
30°	513.3	518.1	525.7	554.9	578.1	601.6	606.8	598.0	574.1	568.9	574.9
32.5°	566.9	573.7	587.7	614.4	634.0	648.4	652.0	648.8	626.4	624.4	628.4
35°	632.0	641.2	654.0	677.6	693.6	719.6	719.6	708.8	688.4	690.8	690.4
37.5°	700.8	714.4	734.4	758.4	779.9	793.9	789.5	780.3	760.0	754.8	760.0
40°	787.1	793.9	819.1	850.3	876.7	892.7	873.9	853.9	805.1	812.7	826.7
42.5°	865.9	876.7	895.9	930.3	960.2	973.4	951.0	911.5	852.7	846.7	857.1
45°	933.1	944.6	969.8	1019.0	1050.6	1062.2	1012.6	948.6	881.5	866.3	870.7
47.5°	977.8	983.8	1019.0	1065.8	1094.6	1120.9	1049.8	974.2	895.1	866.3	864.7
50°	960.6	971.0	1012.2	1065.4	1117.7	1136.5	1068.6	993.8	899.5	862.7	857.9
52.5°	853.1	871.1	917.1	988.6	1067.8	1134.9	1094.6	987.4	897.9	866.3	873.5
55°	593.7	594.1	650.0	755.6	895.5	1053.8	1056.6	994.6	908.3	888.7	889.1
57.5°	238.7	250.7	293.4	399.4	528.5	723.6	860.3	922.7	909.5	904.7	917.1
60°	60.4	60.8	74.0	112.7	185.9	310.2	450.5	609.6	702.0	733.6	738.0
62.5°	30.8	31.2	34.4	40.0	50.8	83.2	147.9	234.7	333.8	384.2	397.4
65°	25.2	25.2	27.2	30.0	30.4	32.0	38.4	54.8	79.6	90.3	91.5
67.5°	19.2	19.2	20.8	22.4	23.2	22.8	22.0	22.8	27.6	26.4	25.6
70°	12.0	12.4	13.2	14.8	15.6	16.0	16.4	17.2	19.6	20.4	19.6
72.5°	7.2	7.2	7.6	8.8	10.0	10.8	12.0	12.8	14.0	16.0	15.6
75°	3.2	3.2	4.0	5.2	6.4	7.6	8.8	10.0	10.8	12.0	12.4
77.5°	0.8	1.2	2.0	3.6	4.8	6.4	8.0	9.2	10.0	10.0	9.6
80°	0.4	0.4	1.6	2.8	5.2	6.8	8.8	9.6	10.8	10.0	8.8
82.5°	0.4	0.4	1.6	2.8	4.8	6.8	9.2	10.4	11.2	10.0	8.4
85°	0.0	0.4	1.2	2.4	4.0	4.8	4.0	2.8	1.6	1.6	1.2
87.5°	0.0	0.0	0.4	0.4	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)