

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: P450380

Luminaire Tested: **GALN-SA1A-830-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3671 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

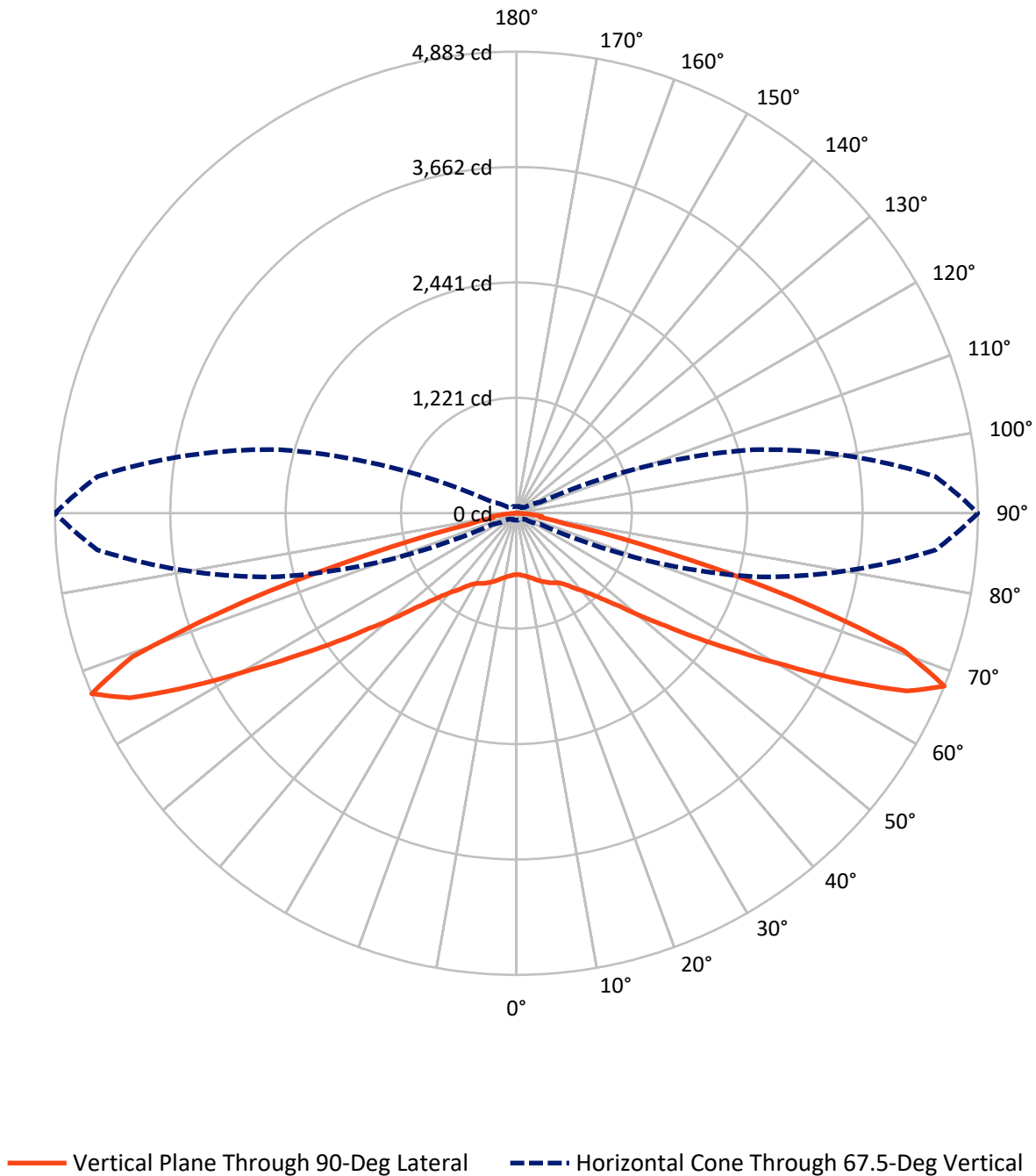
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1835.5	0.0	1835.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1835.5	0.0	1835.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3671.0	0.0	3671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.8
10°-20°	207.3	5.6
20°-30°	347.0	9.5
30°-40°	470.1	12.8
40°-50°	595.4	16.2
50°-60°	743.8	20.3
60°-70°	874.3	23.8
70°-80°	334.5	9.1
80°-90°	33.9	0.9
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°	3671.0	100.0
0°-180°	3671.0	100.0

Coefficient of Utilization



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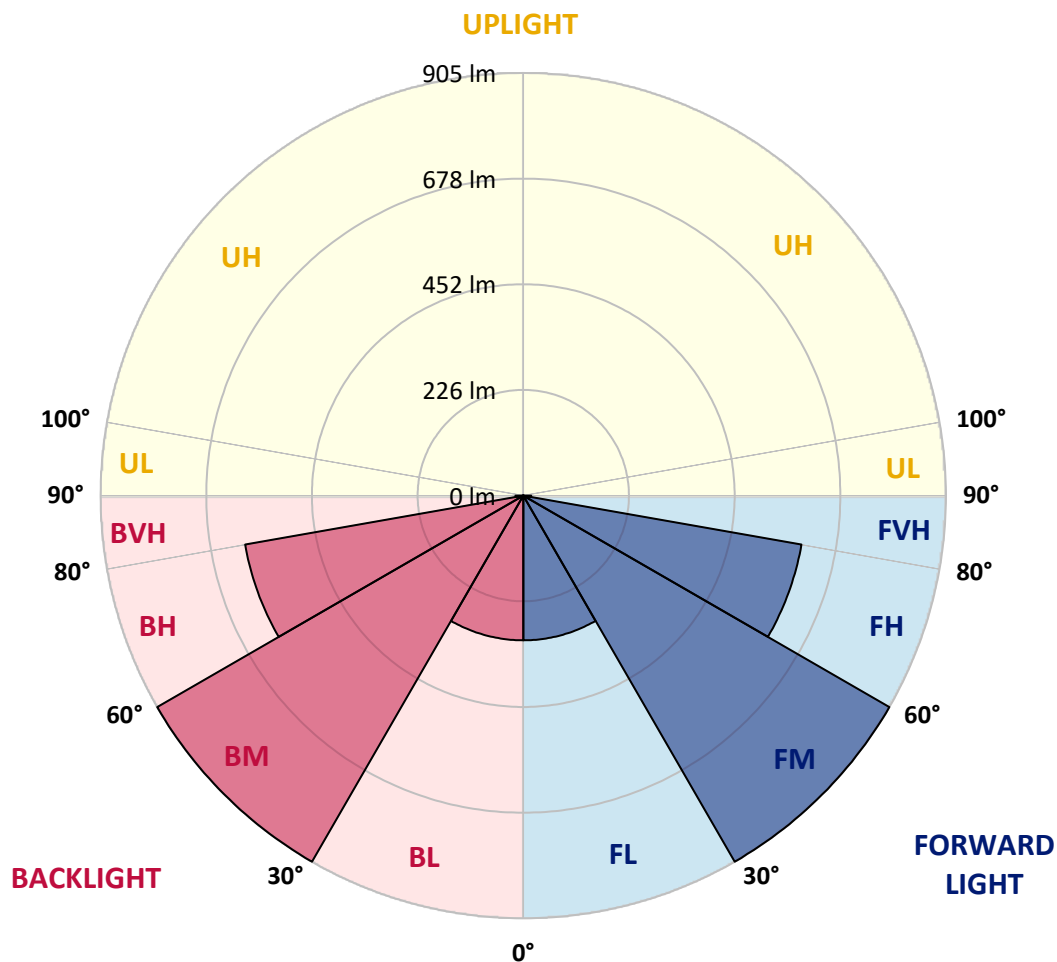
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.5	8.4			
FM	(30°-60°)	904.6	24.6			
FH	(60°-80°)	604.4	16.5			G0/660
FVH	(80°-90°)	16.9	0.5			G1/100
BL	(0°-30°)	309.5	8.4	B1/500		
BM	(30°-60°)	904.6	24.6	B1/1000		
BH	(60°-80°)	604.4	16.5	B2/1000		G2/1000
BVH	(80°-90°)	16.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9
2.5°	658.2	657.8	658.0	657.8	658.4	658.0	655.6	653.5	651.9	652.1	651.5
5°	672.2	672.4	672.6	671.6	673.1	672.2	668.4	665.1	661.9	660.7	660.2
7.5°	683.8	684.8	685.5	686.5	688.9	688.9	686.9	682.2	675.1	671.0	670.8
10°	695.4	696.2	698.1	701.3	705.4	709.2	708.4	702.1	693.0	686.1	684.4
12.5°	699.5	700.5	706.6	715.9	725.1	732.6	732.6	727.5	715.7	705.2	702.1
15°	685.3	687.1	698.1	718.0	742.0	758.4	762.1	755.0	742.4	726.1	722.5
17.5°	657.0	661.5	677.5	707.0	746.8	781.0	791.6	788.1	771.8	751.1	746.8
20°	626.7	631.6	648.7	687.7	742.8	794.2	824.9	825.7	805.6	775.5	769.2
22.5°	593.4	597.0	619.0	664.7	730.6	797.3	853.6	867.6	840.4	799.9	791.0
25°	556.0	560.0	583.0	632.4	707.6	793.8	879.8	910.7	876.7	825.9	814.5
27.5°	520.2	521.8	546.4	596.6	677.3	784.9	899.1	950.3	917.0	847.5	833.0
30°	485.8	489.7	511.4	561.0	642.6	767.4	915.8	995.5	960.3	870.0	851.5
32.5°	449.4	454.1	477.7	527.9	607.8	741.2	925.9	1044.9	1020.7	906.6	886.9
35°	414.5	417.5	441.3	490.1	573.9	710.7	927.8	1100.5	1098.5	962.1	935.9
37.5°	378.7	383.2	407.2	453.9	537.9	678.3	918.6	1159.7	1192.4	1039.2	1010.9
40°	344.4	348.2	371.8	419.0	497.0	638.9	896.9	1213.8	1302.0	1118.4	1078.4
42.5°	307.0	308.0	333.8	381.8	457.0	593.2	865.6	1262.0	1424.2	1224.8	1174.9
45°	264.5	267.1	291.1	338.3	411.0	541.9	823.1	1301.8	1579.1	1372.1	1304.2
47.5°	222.0	224.2	246.2	292.7	360.8	483.2	757.6	1336.8	1738.0	1559.3	1470.3
50°	180.5	181.7	199.6	240.9	304.3	421.4	676.5	1347.9	1917.7	1824.4	1710.8
52.5°	142.7	144.5	158.2	190.5	243.9	348.4	588.9	1320.3	2127.5	2138.7	1978.5
55°	115.7	116.3	126.4	150.2	190.7	272.0	483.2	1243.3	2353.2	2541.4	2337.1
57.5°	99.6	100.0	105.7	118.9	146.8	205.1	374.8	1097.5	2555.8	3013.2	2750.6
60°	90.5	90.7	93.9	101.6	116.3	157.3	268.5	891.8	2755.8	3538.3	3264.4
62.5°	84.8	84.8	87.0	91.3	98.4	120.7	194.5	643.4	2892.9	4071.1	3897.9
65°	79.3	79.3	80.9	84.0	87.8	98.8	143.7	419.6	2889.4	4459.1	4534.9
67.5°	73.0	73.0	74.2	77.2	79.5	85.0	111.0	274.8	2595.5	4450.6	4882.5
70°	65.5	65.5	67.1	69.7	71.6	75.0	87.6	188.0	1906.8	3800.1	4342.2
72.5°	57.9	58.1	59.2	61.8	63.2	65.3	72.8	131.7	1169.7	2587.5	3036.2
75°	49.6	50.0	51.0	53.7	54.9	55.7	61.4	93.9	591.7	1395.1	1588.4
77.5°	40.0	40.9	41.5	44.3	45.1	46.3	50.6	67.9	259.8	501.3	505.8
80°	29.3	30.3	32.1	34.8	35.4	36.2	38.6	48.2	117.7	228.9	248.6
82.5°	21.5	23.0	20.7	24.2	24.2	23.2	27.2	32.3	54.1	226.7	271.2
85°	11.8	12.0	10.8	12.4	13.2	13.0	14.4	15.9	26.2	151.2	155.9
87.5°	2.8	3.0	3.3	3.9	4.7	4.7	5.1	4.5	8.5	49.0	28.1
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)