

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: P385596

Luminaire Tested: **GWC-SA1A-830-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1A-830-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4166 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

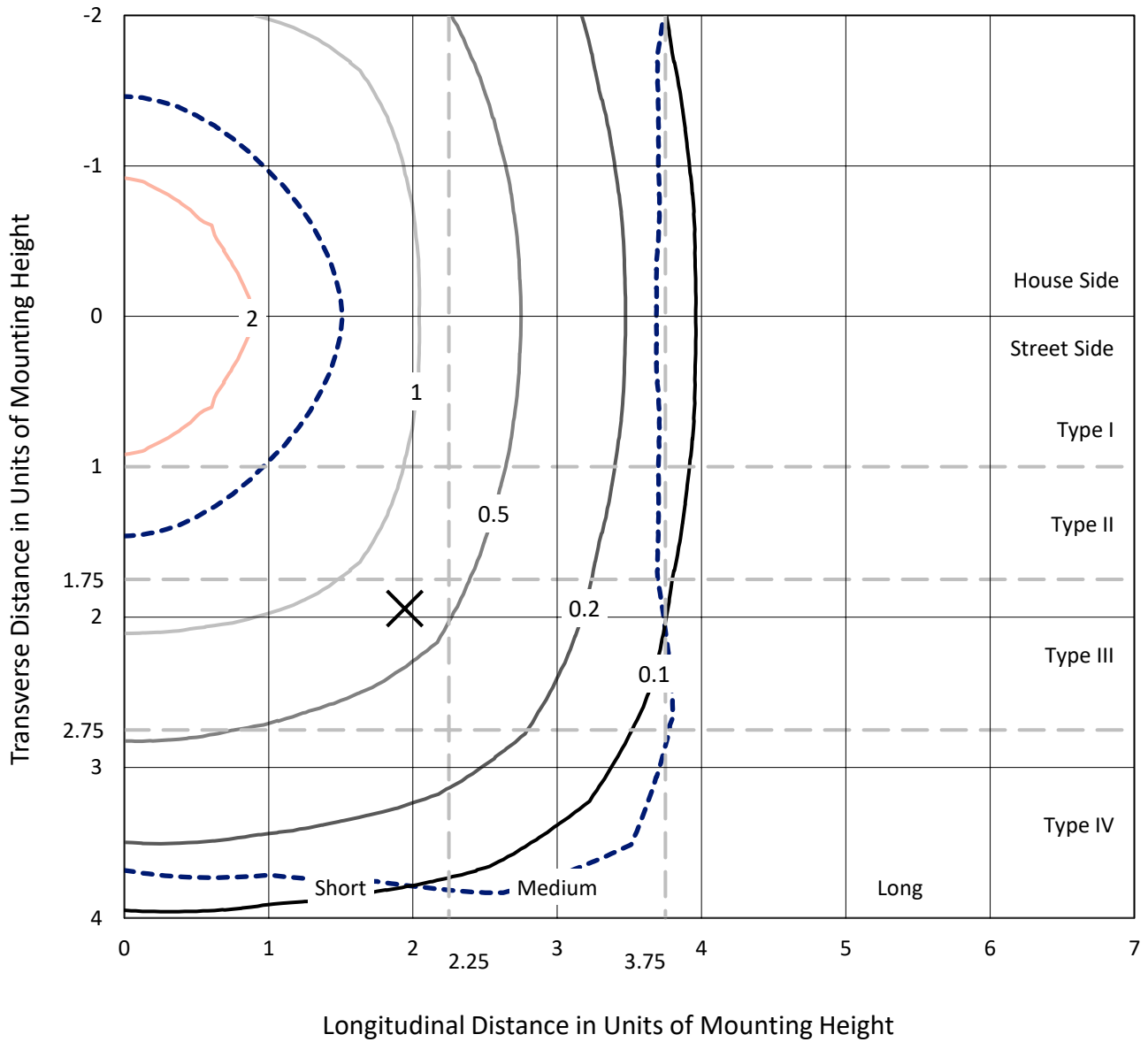
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

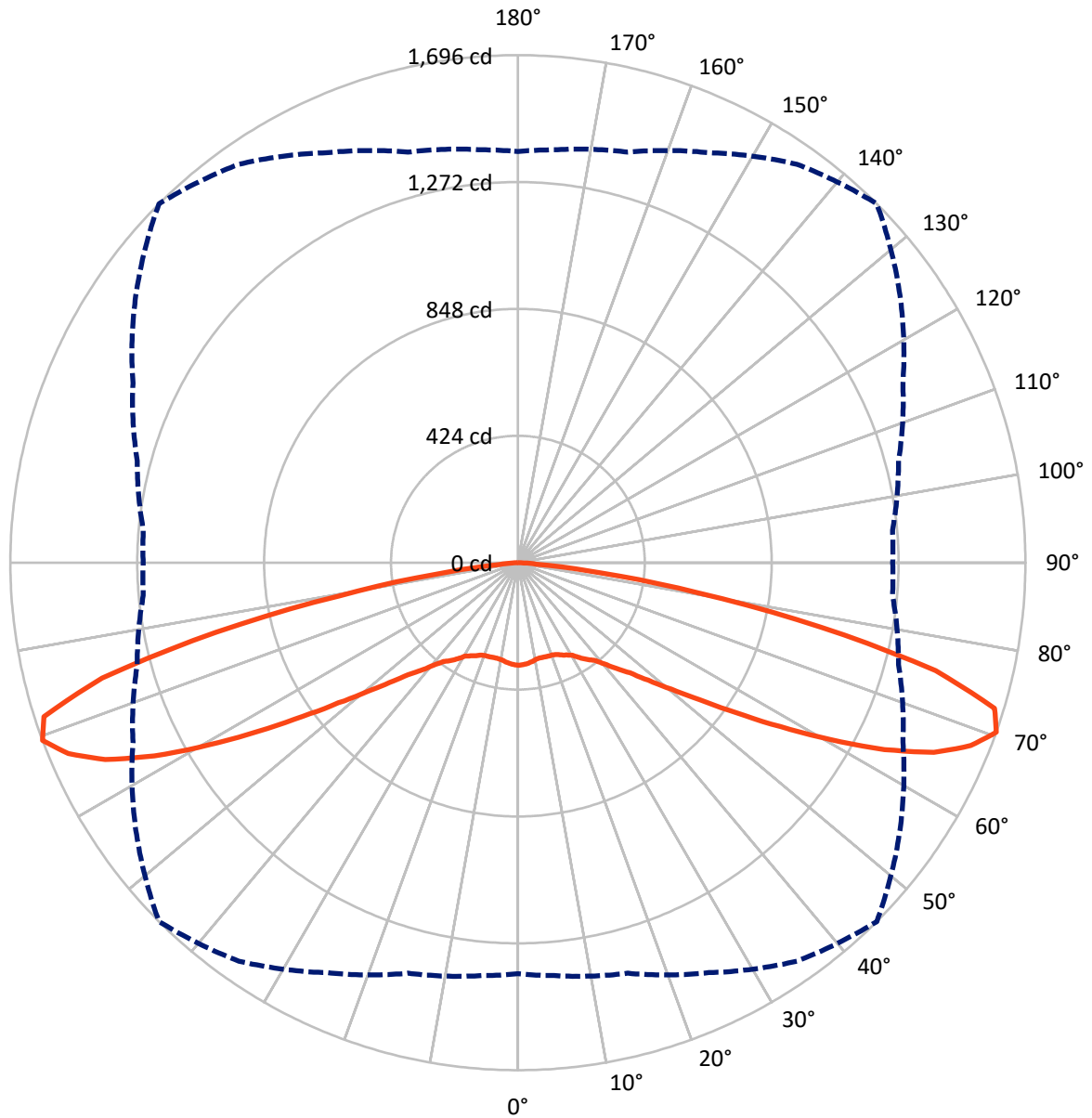
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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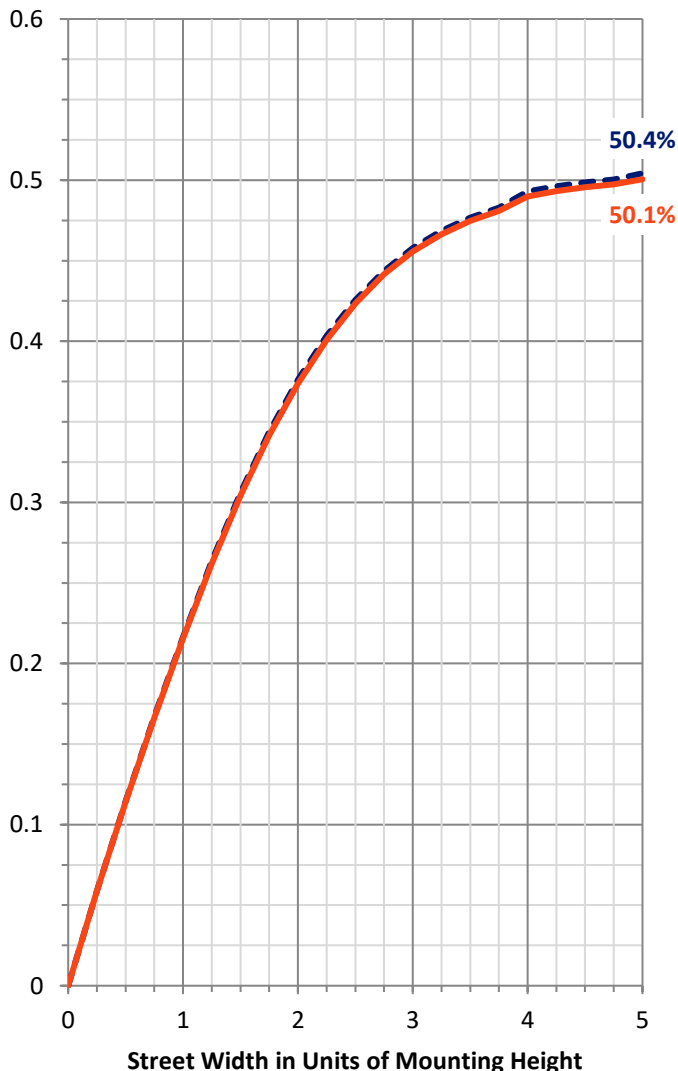
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2083.0	0.0	2083.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2083.0	0.0	2083.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4166.0	0.0	4166.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.0	0.8
10°-20°	93.5	2.2
20°-30°	159.4	3.8
30°-40°	249.0	6.0
40°-50°	422.0	10.1
50°-60°	769.6	18.5
60°-70°	1324.9	31.8
70°-80°	1038.5	24.9
80°-90°	77.0	1.8
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°	4166.0	100.0
0°-180°	4166.0	100.0



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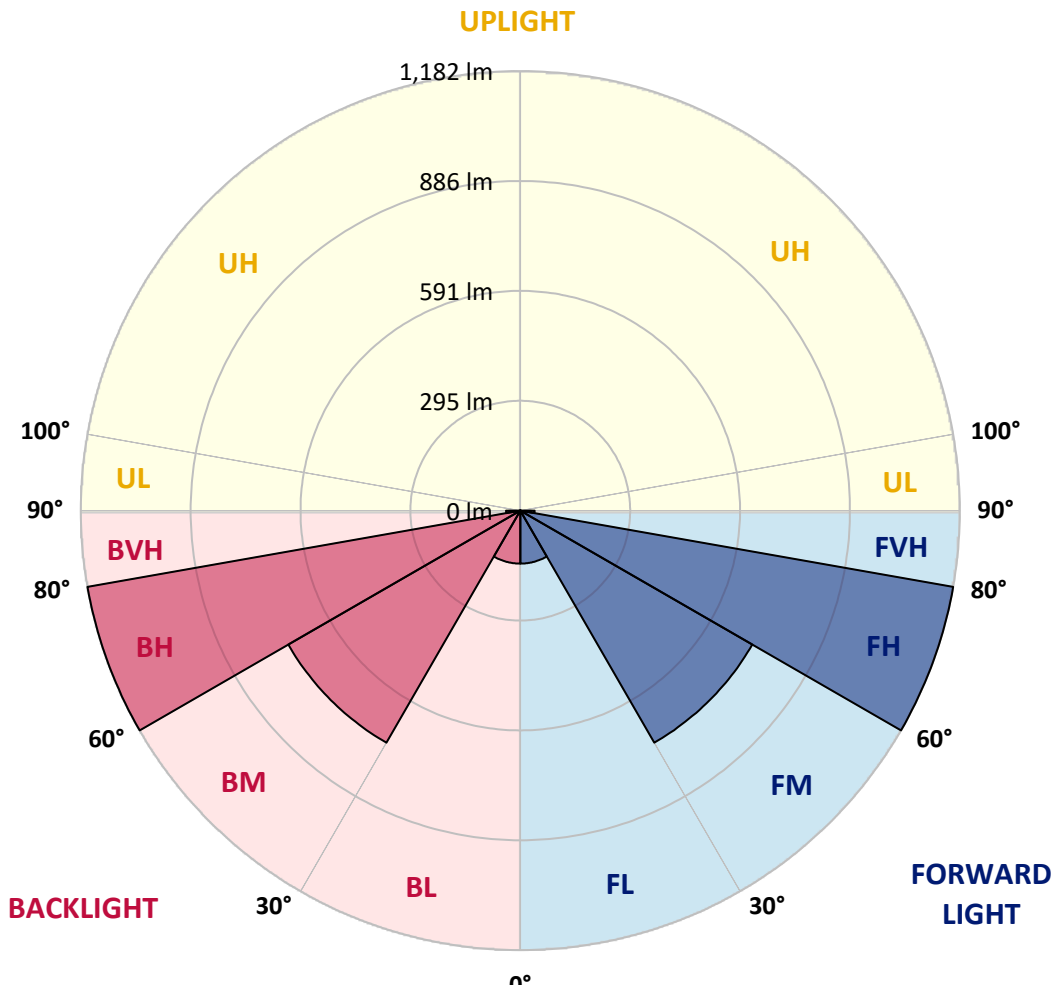
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.4	3.4			
FM (30°-60°)	720.3	17.3			
FH (60°-80°)	1181.7	28.4			G1/1800
FVH (80°-90°)	38.5	0.9			G1/100
BL (0°-30°)	142.4	3.4	B1/500		
BM (30°-60°)	720.3	17.3	B1/1000		
BH (60°-80°)	1181.7	28.4	B3/2500		G1/1800
BVH (80°-90°)	38.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9
2.5°	341.3	341.8	341.3	341.6	340.9	341.2	341.2	341.2	341.1	341.2	340.9
5°	338.3	338.6	338.0	338.3	337.9	338.3	338.5	338.3	338.0	338.2	337.6
7.5°	333.8	334.0	333.6	334.0	333.5	334.2	334.0	333.6	333.2	333.2	332.7
10°	331.3	331.4	330.3	329.9	328.7	328.9	329.4	329.8	330.2	331.0	330.9
12.5°	331.4	331.4	329.8	328.0	326.2	326.6	327.3	328.8	330.5	332.0	332.1
15°	332.8	332.7	330.2	327.3	326.0	327.3	327.7	328.7	331.3	333.9	334.0
17.5°	333.8	333.8	329.9	326.6	326.5	328.4	328.3	328.7	331.6	335.4	335.6
20°	335.6	335.6	330.6	327.0	327.0	329.1	329.2	329.9	332.8	337.1	337.8
22.5°	339.6	339.7	334.5	331.6	331.8	333.1	333.5	334.6	337.2	341.9	342.7
25°	345.2	345.5	340.1	338.5	339.4	341.8	341.5	342.3	345.2	349.8	350.6
27.5°	353.1	352.4	347.4	346.7	347.7	349.3	349.2	349.3	351.7	355.8	356.8
30°	363.3	363.0	359.4	359.8	359.4	358.8	359.0	360.1	361.3	364.6	365.6
32.5°	373.2	373.5	371.3	373.3	376.3	378.4	375.2	372.2	370.8	372.6	373.5
35°	391.1	391.8	388.3	387.0	391.1	397.2	388.2	383.2	386.0	388.3	389.0
37.5°	421.5	422.0	416.2	410.7	407.6	413.4	404.5	404.9	414.5	418.9	418.8
40°	456.3	456.4	452.6	447.7	442.5	443.9	440.3	441.4	447.7	451.7	452.8
42.5°	497.6	497.2	491.1	484.3	482.7	484.1	478.1	477.2	484.5	491.7	491.8
45°	551.2	550.3	542.4	534.8	527.5	524.5	523.0	527.0	537.0	543.6	543.8
47.5°	609.0	606.3	602.2	596.2	589.8	586.8	584.3	586.2	593.5	596.2	596.4
50°	668.4	668.9	669.7	667.4	665.1	664.1	657.6	653.9	656.1	651.3	650.6
52.5°	738.8	739.9	747.9	754.6	758.6	760.7	748.4	735.6	728.4	719.1	716.3
55°	821.9	823.7	835.4	854.1	873.4	883.6	861.4	837.4	815.3	797.8	792.1
57.5°	914.5	917.7	933.8	969.7	1009.3	1033.4	995.9	952.4	909.5	884.3	879.9
60°	1023.1	1026.1	1048.4	1100.0	1164.1	1200.3	1143.5	1072.3	1018.9	994.8	986.7
62.5°	1152.3	1152.6	1180.0	1240.3	1324.9	1375.3	1298.4	1203.2	1148.2	1119.1	1111.3
65°	1291.4	1292.1	1320.5	1385.5	1473.0	1527.9	1441.0	1341.8	1274.6	1231.7	1225.7
67.5°	1389.6	1392.5	1422.4	1500.7	1582.6	1632.0	1542.2	1430.0	1352.3	1301.2	1296.1
70°	1373.9	1385.2	1420.4	1511.7	1625.6	1696.1	1558.6	1419.5	1317.0	1256.7	1252.4
72.5°	1198.2	1219.9	1266.7	1386.6	1568.7	1665.8	1469.2	1271.4	1155.4	1104.0	1096.3
75°	816.0	851.1	921.8	1094.7	1340.2	1442.3	1236.8	1013.7	904.6	833.5	828.2
77.5°	363.8	371.8	461.4	660.5	924.8	1035.8	898.6	663.1	497.8	397.0	375.8
80°	101.4	102.7	137.0	246.0	462.9	608.6	496.9	258.4	145.2	102.4	96.5
82.5°	32.2	35.0	42.7	63.8	155.6	277.7	159.7	68.9	49.1	39.1	35.3
85°	15.7	15.6	21.6	25.9	39.7	61.5	42.3	32.0	28.0	18.6	16.8
87.5°	6.6	6.8	10.1	9.1	11.6	9.9	13.6	14.3	15.0	8.3	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982



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