

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: P386492

Luminaire Tested: **GWC-SA2A-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386492
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-SA2A-830-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8140 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

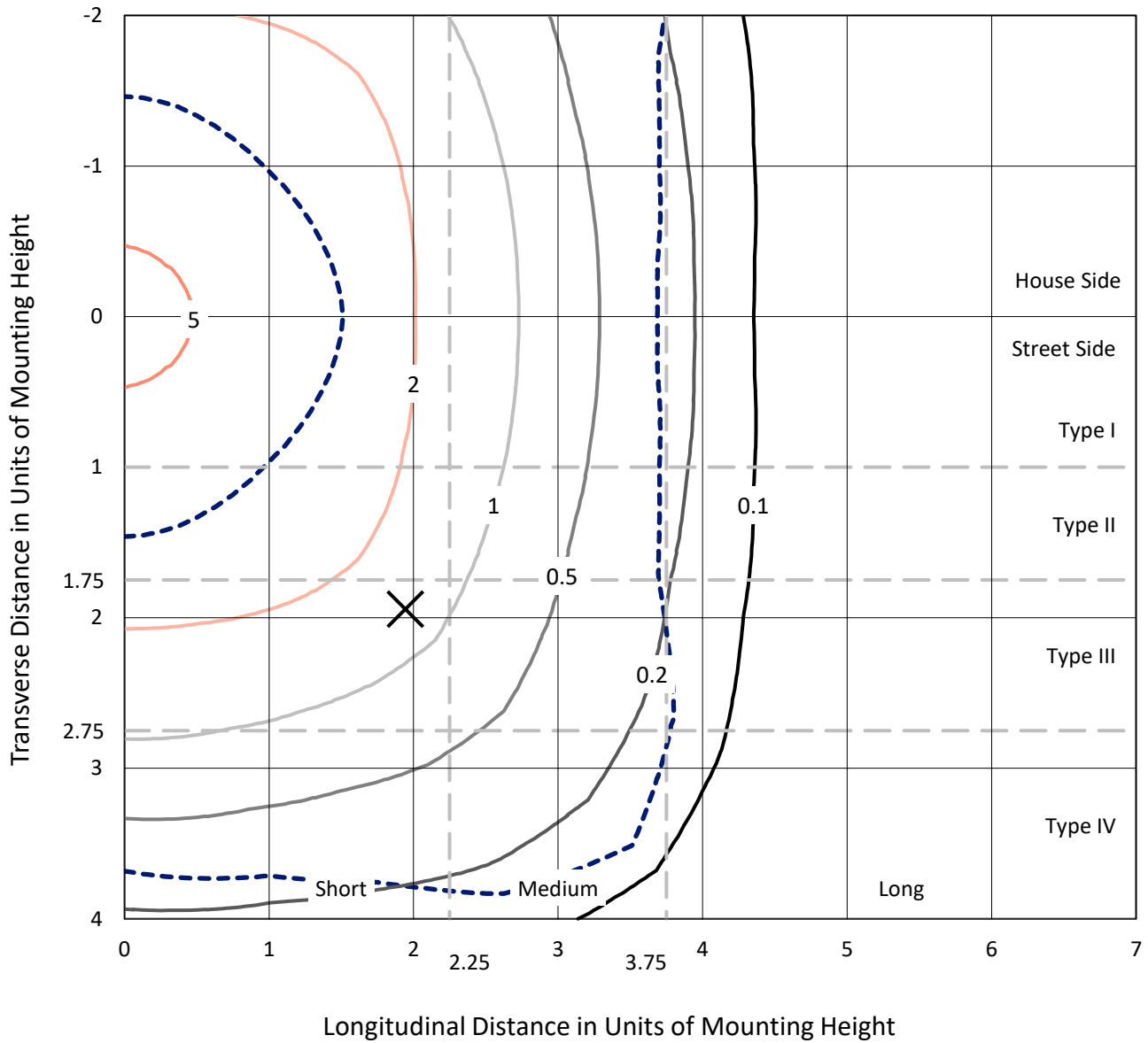
Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

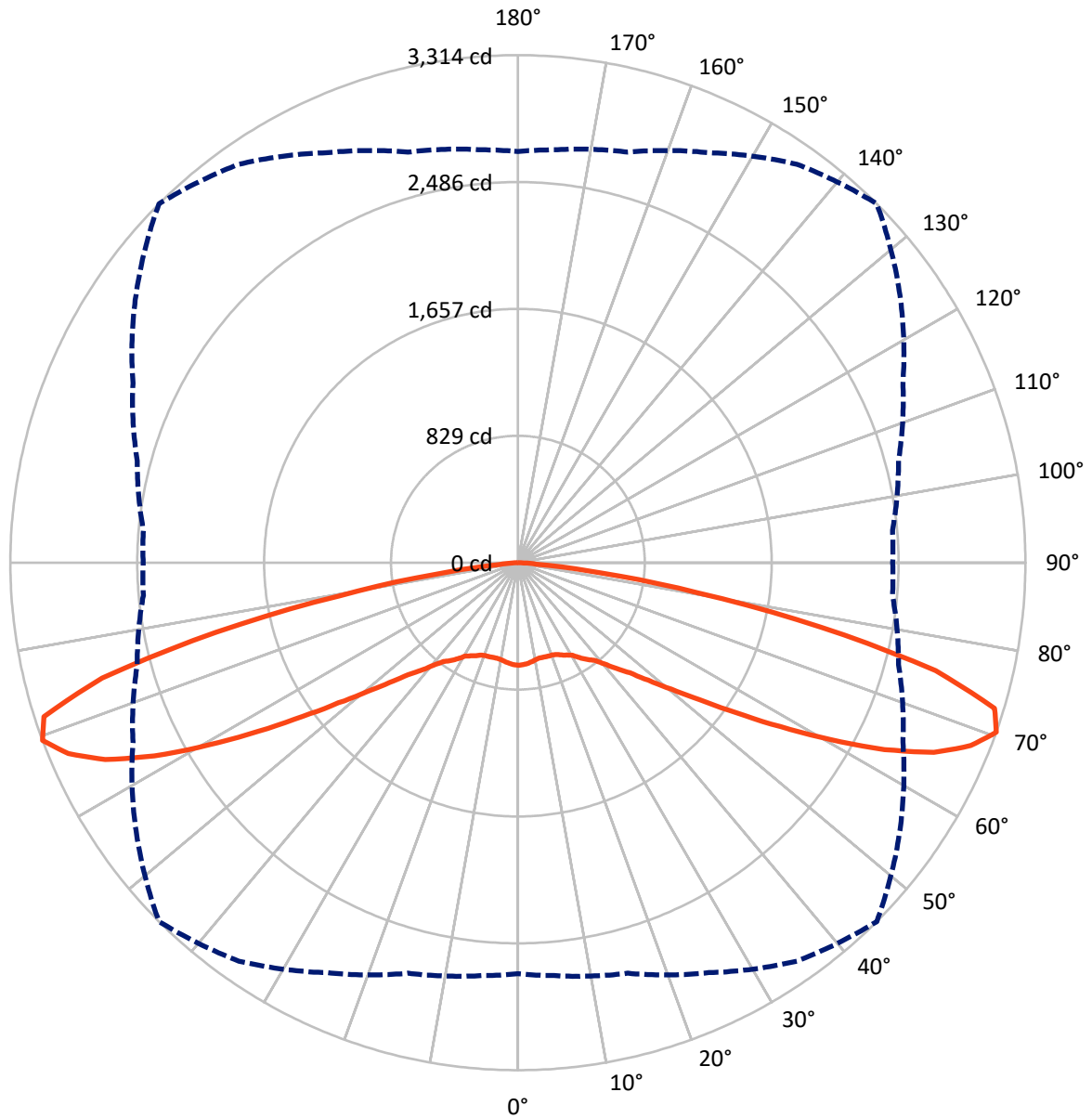
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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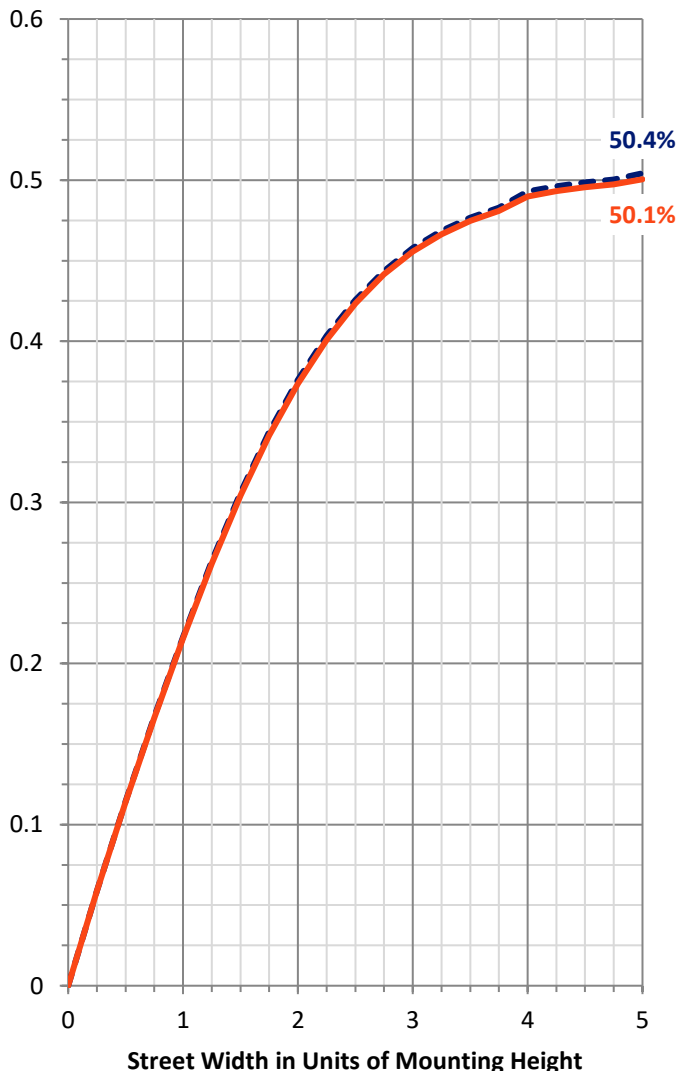
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4070.0	0.0	4070.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4070.0	0.0	4070.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8140.0	0.0	8140.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	0.8
10°-20°	182.6	2.2
20°-30°	311.4	3.8
30°-40°	486.6	6.0
40°-50°	824.6	10.1
50°-60°	1503.8	18.5
60°-70°	2588.8	31.8
70°-80°	2029.2	24.9
80°-90°	150.5	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°	8140.0	100.0
0°-180°	8140.0	100.0



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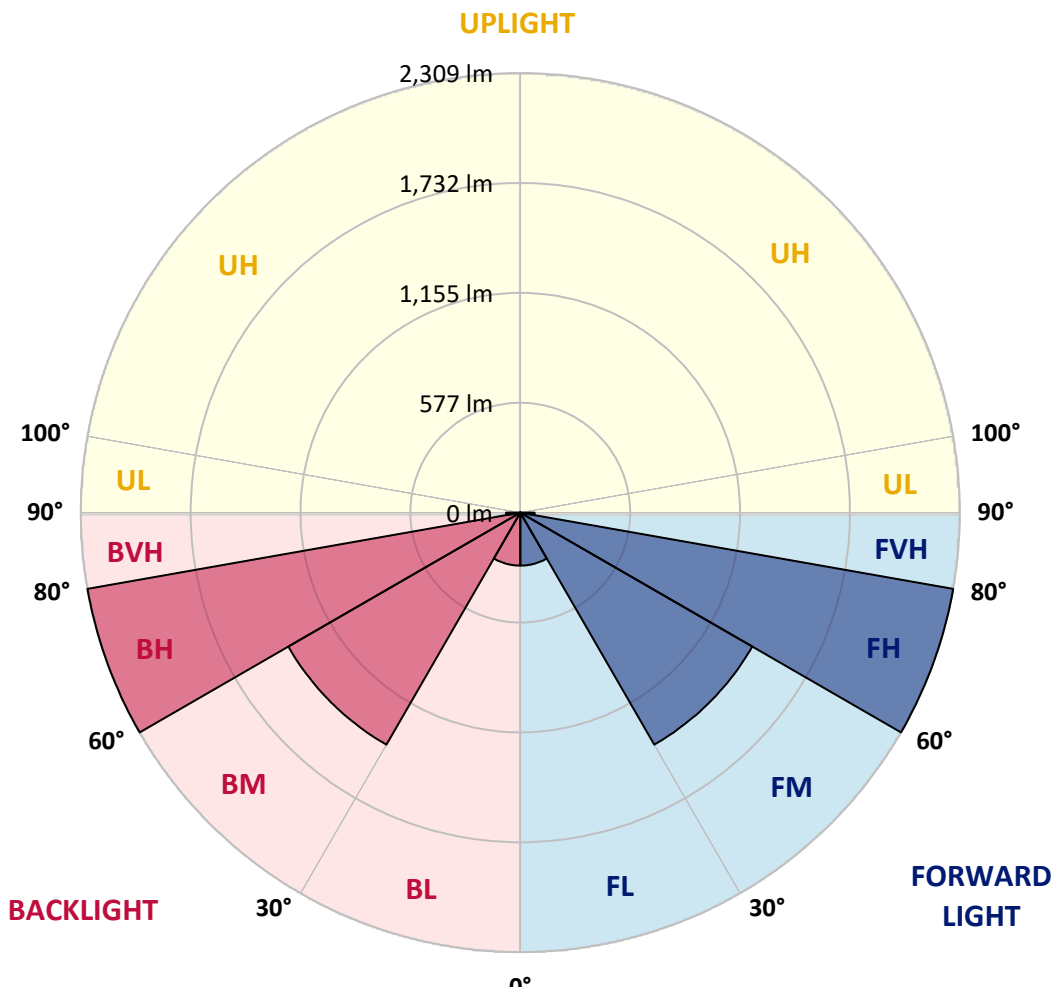
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	3.4			
FM (30°-60°)	1407.5	17.3			
FH (60°-80°)	2309.0	28.4			G2/5000
FVH (80°-90°)	75.2	0.9			G1/100
BL (0°-30°)	278.3	3.4	B1/500		
BM (30°-60°)	1407.5	17.3	B2/2500		
BH (60°-80°)	2309.0	28.4	B3/2500		G2/5000
BVH (80°-90°)	75.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9
2.5°	667.0	667.8	667.0	667.5	666.2	666.7	666.7	666.7	666.4	666.7	666.2
5°	661.0	661.6	660.5	661.0	660.2	661.0	661.3	661.0	660.5	660.8	659.7
7.5°	652.2	652.7	651.9	652.7	651.6	653.0	652.7	651.9	651.1	651.1	650.0
10°	647.3	647.6	645.4	644.6	642.2	642.7	643.5	644.3	645.2	646.8	646.5
12.5°	647.6	647.6	644.3	640.8	637.3	638.2	639.5	642.5	645.7	648.7	648.9
15°	650.3	650.0	645.2	639.5	637.1	639.5	640.3	642.2	647.3	652.4	652.7
17.5°	652.2	652.2	644.6	638.2	637.9	641.7	641.4	642.2	647.8	655.4	655.7
20°	655.7	655.7	646.0	639.0	639.0	643.0	643.3	644.6	650.3	658.6	660.0
22.5°	663.5	663.7	653.5	647.8	648.4	650.8	651.6	653.8	658.9	668.0	669.7
25°	674.5	675.0	664.5	661.3	663.2	667.8	667.2	668.8	674.5	683.4	685.0
27.5°	689.8	688.5	678.8	677.5	679.3	682.6	682.3	682.6	687.2	695.2	697.1
30°	709.8	709.2	702.2	703.0	702.2	701.2	701.4	703.6	706.0	712.5	714.4
32.5°	729.2	729.7	725.4	729.4	735.4	739.4	733.2	727.3	724.6	728.1	729.7
35°	764.2	765.5	758.8	756.1	764.2	776.0	758.5	748.8	754.2	758.8	760.1
37.5°	823.7	824.5	813.2	802.4	796.5	807.8	790.3	791.1	809.9	818.6	818.3
40°	891.5	891.8	884.3	874.8	864.6	867.3	860.3	862.4	874.8	882.6	884.8
42.5°	972.3	971.5	959.6	946.2	943.2	945.9	934.1	932.5	946.7	960.7	961.0
45°	1077.0	1075.2	1059.8	1045.0	1030.7	1024.8	1021.8	1029.7	1049.3	1062.2	1062.5
47.5°	1189.9	1184.8	1176.7	1164.8	1152.4	1146.5	1141.7	1145.4	1159.7	1164.8	1165.4
50°	1305.9	1307.0	1308.6	1304.0	1299.5	1297.6	1284.9	1277.6	1282.0	1272.5	1271.2
52.5°	1443.5	1445.7	1461.3	1474.5	1482.3	1486.3	1462.4	1437.3	1423.3	1405.0	1399.6
55°	1605.9	1609.4	1632.3	1668.9	1706.6	1726.5	1683.2	1636.3	1593.0	1558.8	1547.7
57.5°	1786.8	1793.0	1824.5	1894.8	1972.1	2019.2	1946.0	1860.9	1777.1	1727.9	1719.2
60°	1999.0	2004.9	2048.5	2149.2	2274.5	2345.3	2234.3	2095.1	1990.9	1943.8	1927.9
62.5°	2251.6	2252.1	2305.7	2423.4	2588.7	2687.2	2537.0	2350.9	2243.5	2186.7	2171.3
65°	2523.3	2524.6	2580.1	2707.2	2878.1	2985.3	2815.7	2621.8	2490.4	2406.7	2394.8
67.5°	2715.2	2720.9	2779.3	2932.3	3092.2	3188.9	3013.3	2794.1	2642.3	2542.4	2532.4
70°	2684.5	2706.6	2775.3	2953.8	3176.2	3314.1	3045.3	2773.7	2573.3	2455.4	2447.1
72.5°	2341.2	2383.5	2475.1	2709.3	3065.0	3254.8	2870.6	2484.2	2257.5	2157.1	2142.0
75°	1594.3	1663.0	1801.1	2139.0	2618.6	2818.1	2416.6	1980.7	1767.4	1628.5	1618.3
77.5°	710.9	726.5	901.5	1290.6	1807.0	2023.8	1755.9	1295.7	972.6	775.7	734.3
80°	198.2	200.6	267.6	480.6	904.5	1189.1	971.0	504.9	283.8	200.1	188.5
82.5°	63.0	68.4	83.5	124.7	304.0	542.6	312.1	134.6	95.9	76.5	68.9
85°	30.7	30.4	42.3	50.6	77.5	120.1	82.7	62.5	54.7	36.4	32.8
87.5°	12.9	13.2	19.7	17.8	22.6	19.4	26.7	28.0	29.3	16.2	14.0
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



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