

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: P386044

Luminaire Tested: **GWC-SA1C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386044
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-SA1C-830-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6322 lumens
Efficiency: N/A
Efficacy: 109.0 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

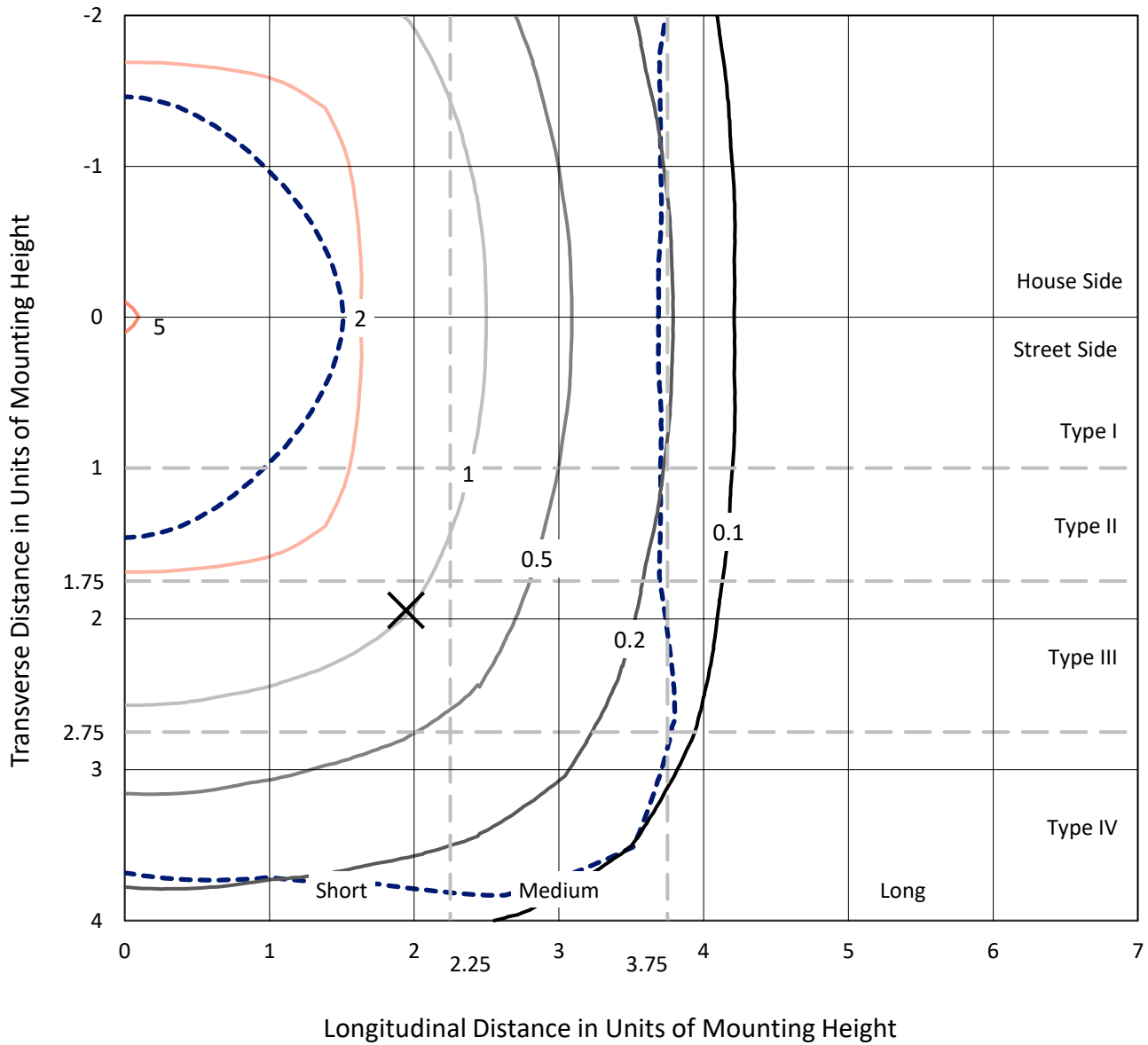
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

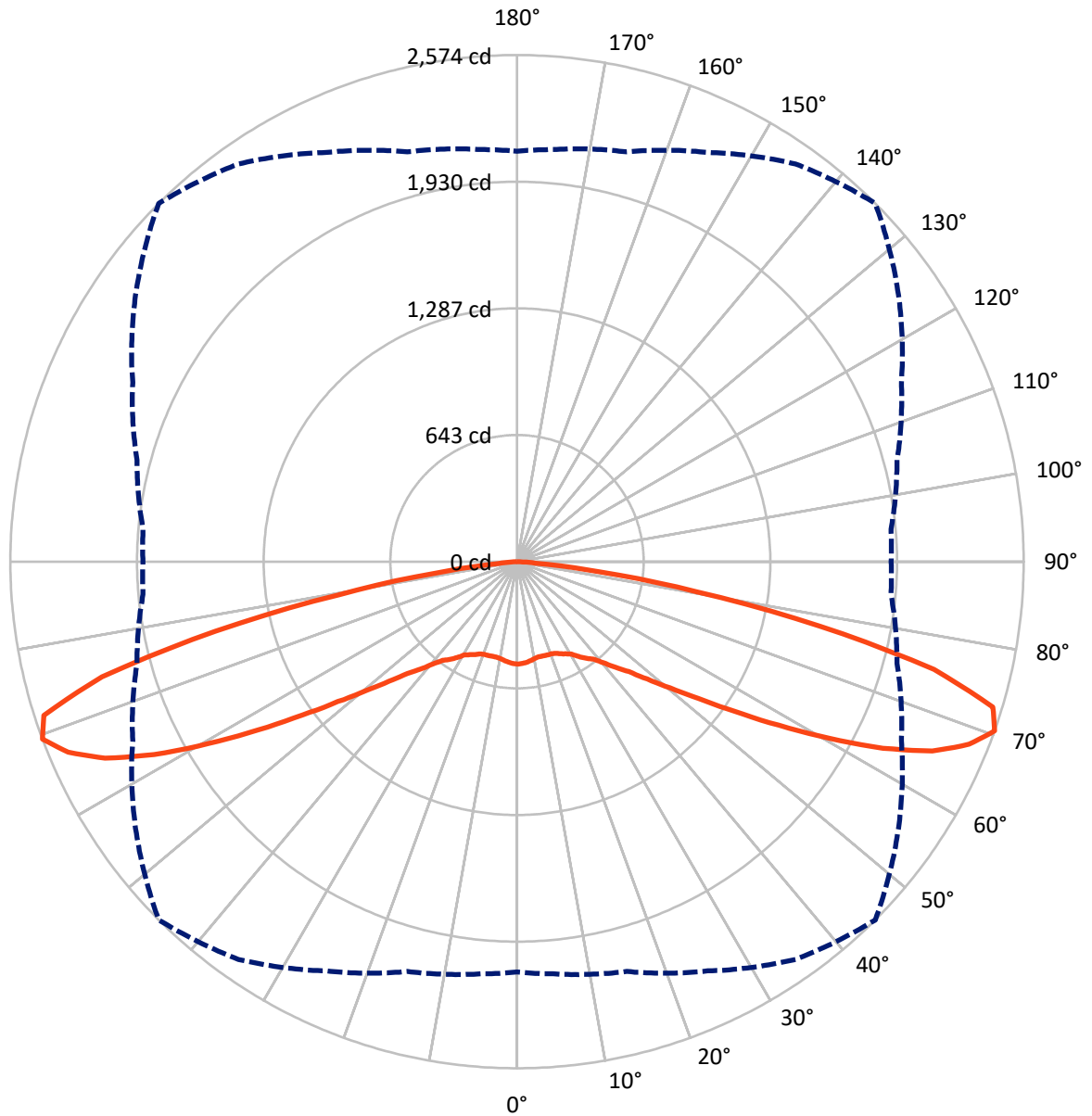
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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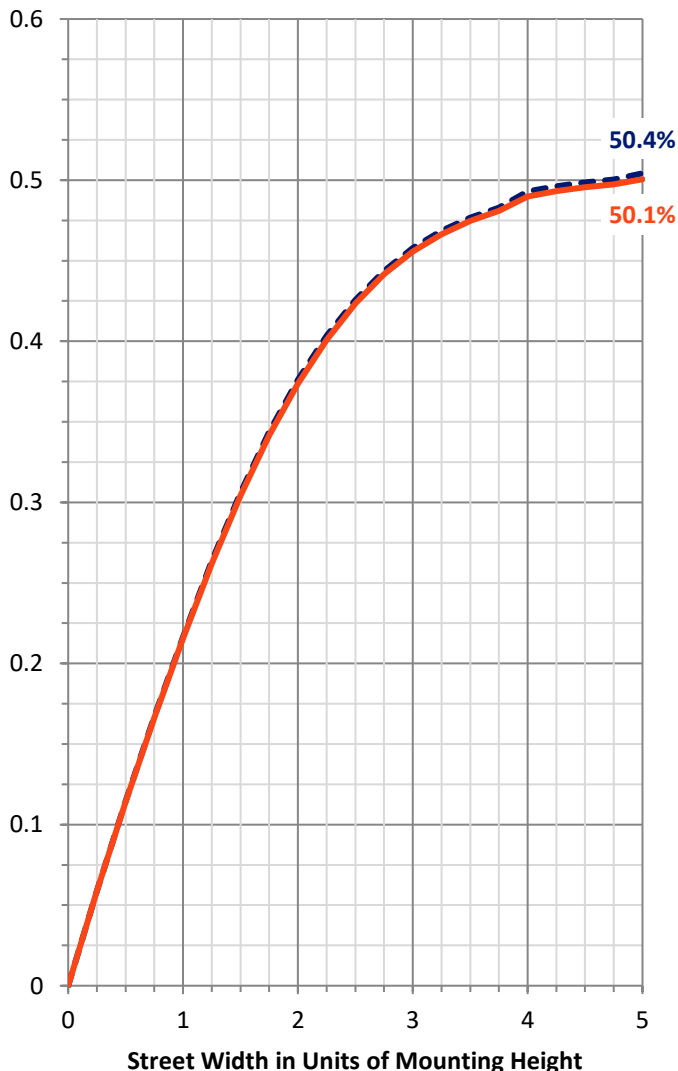
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3161.0	0.0	3161.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3161.0	0.0	3161.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6322.0	0.0	6322.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	0.8
10°-20°	141.8	2.2
20°-30°	241.9	3.8
30°-40°	377.9	6.0
40°-50°	640.5	10.1
50°-60°	1167.9	18.5
60°-70°	2010.6	31.8
70°-80°	1576.0	24.9
80°-90°	116.9	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°	6322.0	100.0
0°-180°	6322.0	100.0



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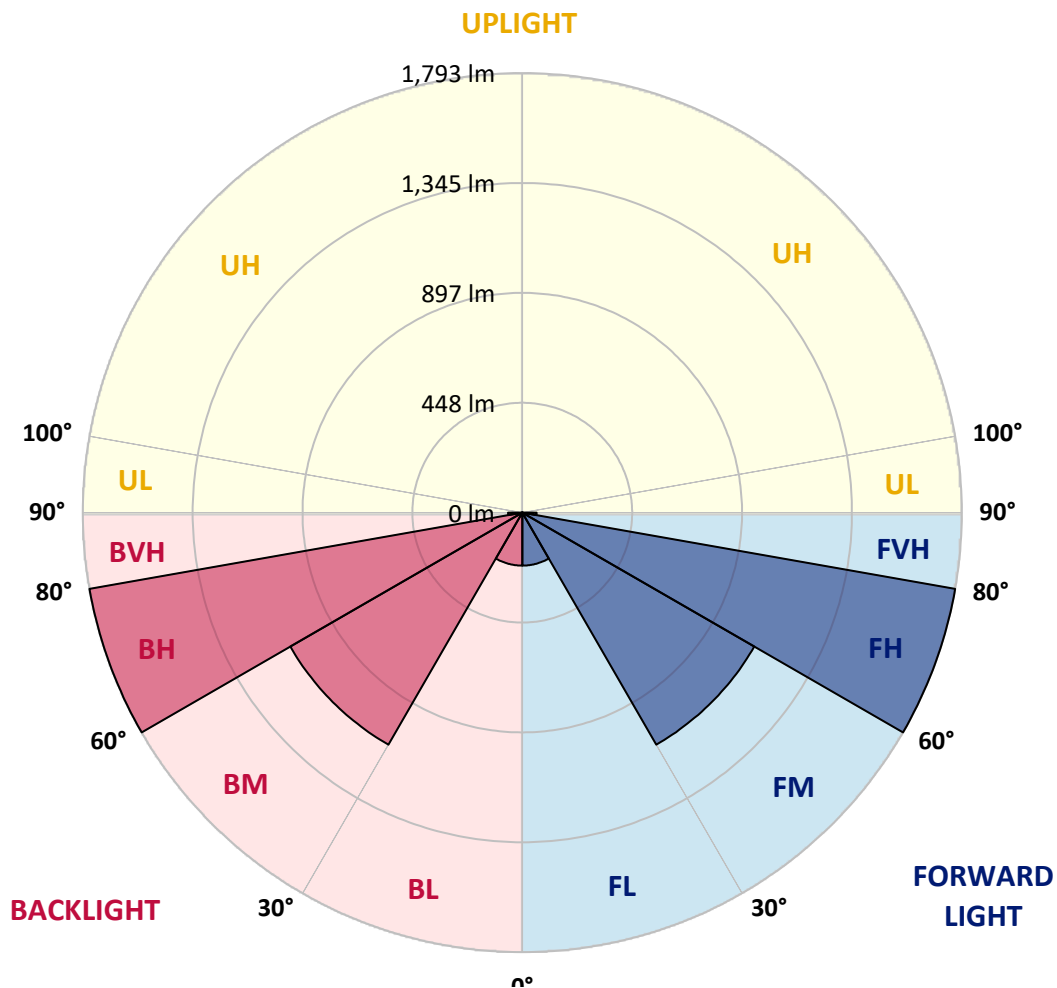
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.1	3.4			
FM (30°-60°)	1093.1	17.3			
FH (60°-80°)	1793.3	28.4			G1/1800
FVH (80°-90°)	58.4	0.9			G1/100
BL (0°-30°)	216.1	3.4	B1/500		
BM (30°-60°)	1093.1	17.3	B2/2500		
BH (60°-80°)	1793.3	28.4	B3/2500		G1/1800
BVH (80°-90°)	58.4	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°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	518.0	518.6	518.0	518.4	517.4	517.8	517.8	517.8	517.6	517.8	517.4
5°	513.4	513.8	513.0	513.4	512.8	513.4	513.6	513.4	513.0	513.2	512.4
7.5°	506.5	506.9	506.3	506.9	506.1	507.1	506.9	506.3	505.7	505.7	504.8
10°	502.7	502.9	501.3	500.6	498.8	499.2	499.8	500.4	501.1	502.3	502.1
12.5°	502.9	502.9	500.4	497.7	495.0	495.6	496.7	499.0	501.5	503.8	504.0
15°	505.0	504.8	501.1	496.7	494.8	496.7	497.3	498.8	502.7	506.7	506.9
17.5°	506.5	506.5	500.6	495.6	495.4	498.3	498.1	498.8	503.2	509.0	509.2
20°	509.2	509.2	501.7	496.3	496.3	499.4	499.6	500.6	505.0	511.5	512.6
22.5°	515.3	515.5	507.5	503.2	503.6	505.5	506.1	507.8	511.7	518.8	520.1
25°	523.9	524.3	516.1	513.6	515.1	518.6	518.2	519.5	523.9	530.8	532.0
27.5°	535.8	534.7	527.2	526.2	527.6	530.1	529.9	530.1	533.7	540.0	541.4
30°	551.3	550.8	545.4	546.0	545.4	544.6	544.8	546.4	548.3	553.3	554.8
32.5°	566.3	566.7	563.4	566.5	571.1	574.3	569.4	564.8	562.8	565.5	566.7
35°	593.5	594.5	589.3	587.2	593.5	602.7	589.1	581.6	585.8	589.3	590.4
37.5°	639.7	640.3	631.6	623.2	618.6	627.4	613.8	614.4	629.0	635.7	635.5
40°	692.4	692.6	686.8	679.4	671.5	673.6	668.2	669.8	679.4	685.5	687.2
42.5°	755.1	754.5	745.3	734.9	732.6	734.7	725.5	724.2	735.3	746.2	746.4
45°	836.5	835.0	823.1	811.6	800.5	795.9	793.6	799.7	815.0	825.0	825.2
47.5°	924.1	920.1	913.9	904.7	895.1	890.5	886.7	889.6	900.7	904.7	905.1
50°	1014.3	1015.1	1016.3	1012.8	1009.2	1007.8	997.9	992.3	995.6	988.3	987.3
52.5°	1121.1	1122.8	1134.9	1145.2	1151.2	1154.4	1135.8	1116.3	1105.4	1091.2	1087.0
55°	1247.2	1249.9	1267.7	1296.2	1325.4	1340.9	1307.2	1270.8	1237.2	1210.6	1202.0
57.5°	1387.7	1392.6	1417.0	1471.6	1531.6	1568.2	1511.3	1445.3	1380.2	1342.0	1335.3
60°	1552.5	1557.1	1591.0	1669.2	1766.5	1821.5	1735.3	1627.2	1546.3	1509.7	1497.3
62.5°	1748.7	1749.1	1790.7	1882.1	2010.5	2087.1	1970.4	1825.9	1742.4	1698.3	1686.4
65°	1959.7	1960.8	2003.8	2102.5	2235.3	2318.6	2186.8	2036.2	1934.2	1869.2	1860.0
67.5°	2108.8	2113.2	2158.6	2277.4	2401.6	2476.7	2340.3	2170.1	2052.1	1974.6	1966.8
70°	2085.0	2102.1	2155.4	2294.1	2466.8	2573.9	2365.2	2154.2	1998.6	1907.0	1900.5
72.5°	1818.3	1851.2	1922.3	2104.2	2380.5	2527.9	2229.5	1929.4	1753.3	1675.3	1663.6
75°	1238.2	1291.6	1398.8	1661.3	2033.7	2188.7	1876.9	1538.3	1372.7	1264.8	1256.8
77.5°	552.1	564.2	700.1	1002.3	1403.4	1571.8	1363.7	1006.3	755.4	602.5	570.3
80°	153.9	155.8	207.9	373.3	702.4	923.5	754.1	392.1	220.4	155.4	146.4
82.5°	48.9	53.1	64.8	96.8	236.1	421.4	242.4	104.6	74.4	59.4	53.5
85°	23.8	23.6	32.8	39.3	60.2	93.3	64.2	48.5	42.5	28.2	25.5
87.5°	10.0	10.2	15.3	13.8	17.6	15.1	20.7	21.7	22.8	12.5	10.9
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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