

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: P385568

Luminaire Tested: **GWC-SA1A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385568
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-827-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3853 lumens
Efficiency: N/A
Efficacy: 113.3 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

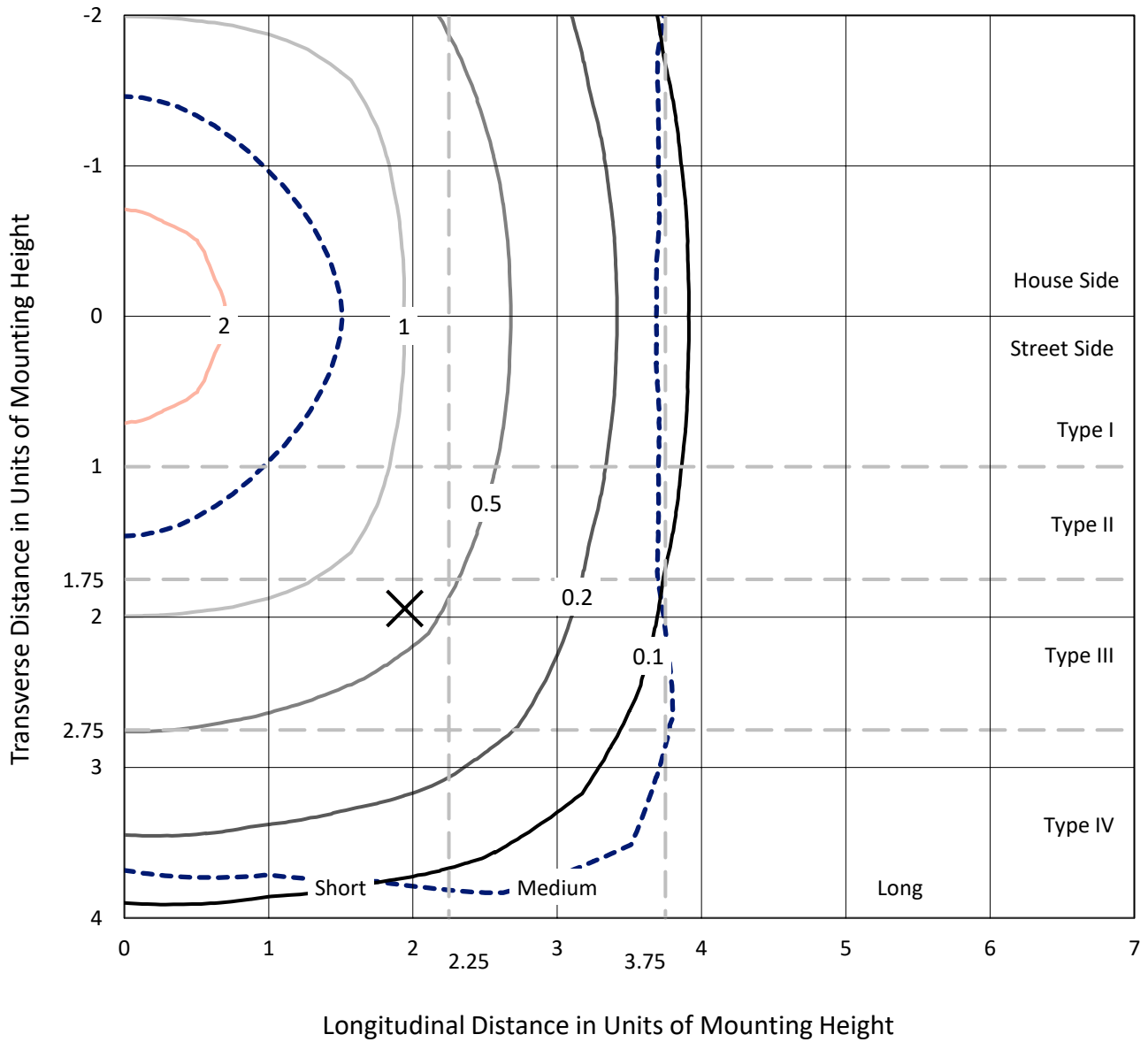
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

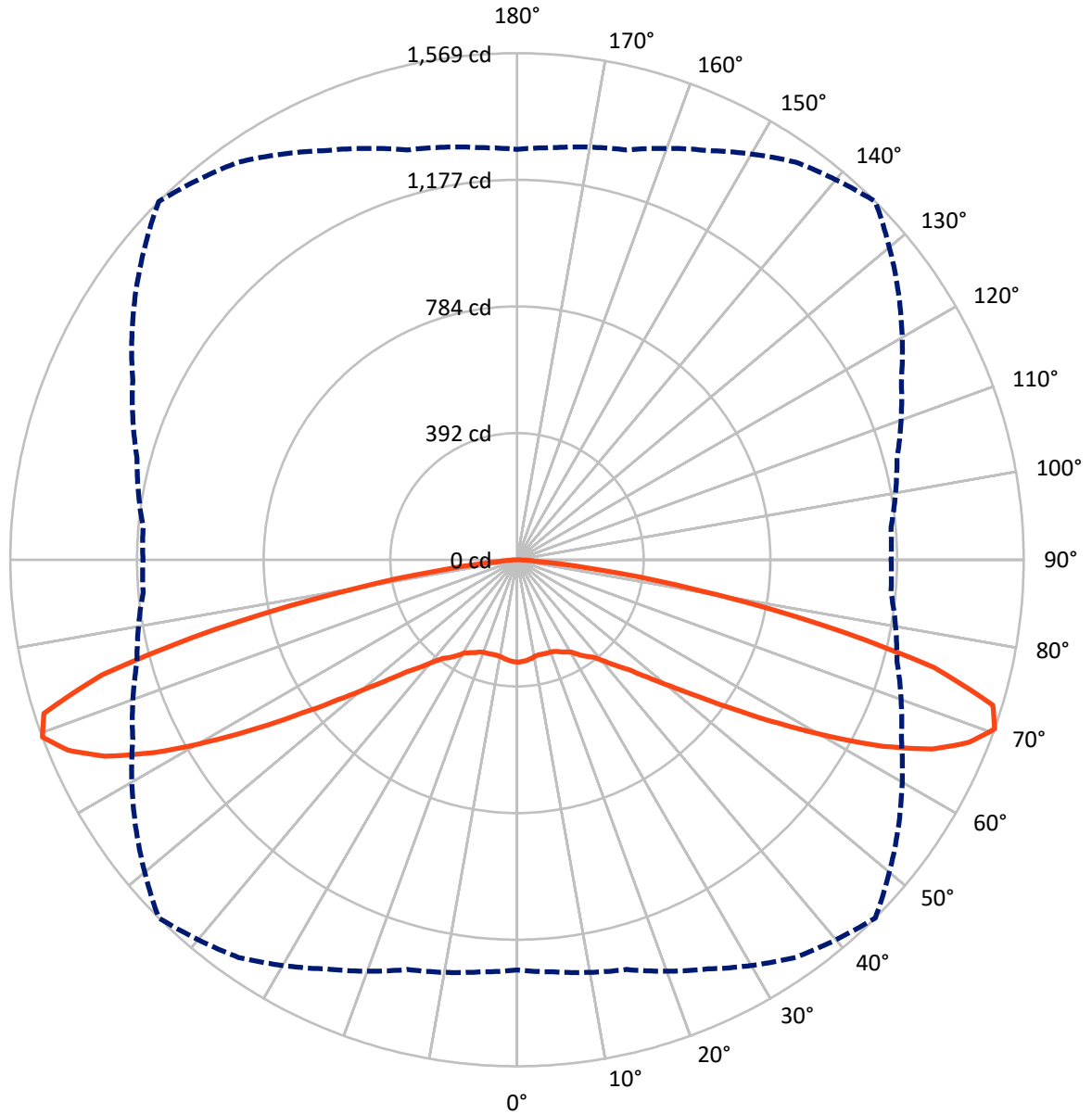
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 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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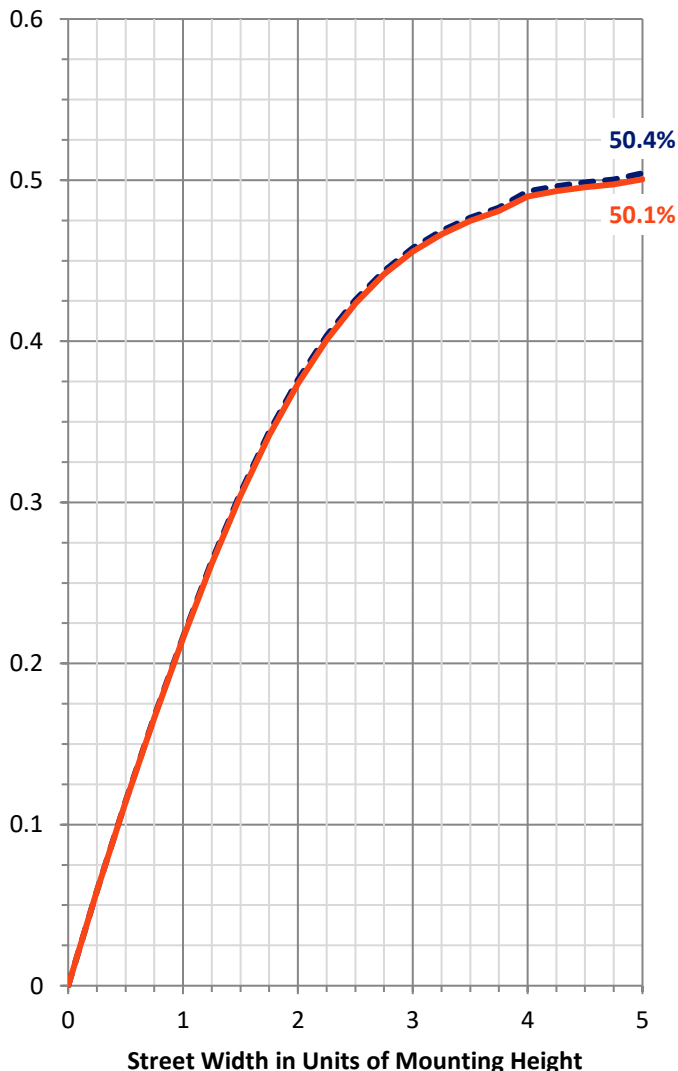
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.5	0.0	1926.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1926.5	0.0	1926.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3853.0	0.0	3853.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	0.8
10°-20°	86.5	2.2
20°-30°	147.4	3.8
30°-40°	230.3	6.0
40°-50°	390.3	10.1
50°-60°	711.8	18.5
60°-70°	1225.4	31.8
70°-80°	960.5	24.9
80°-90°	71.2	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°	3853.0	100.0
0°-180°	3853.0	100.0

Coefficient of Utilization



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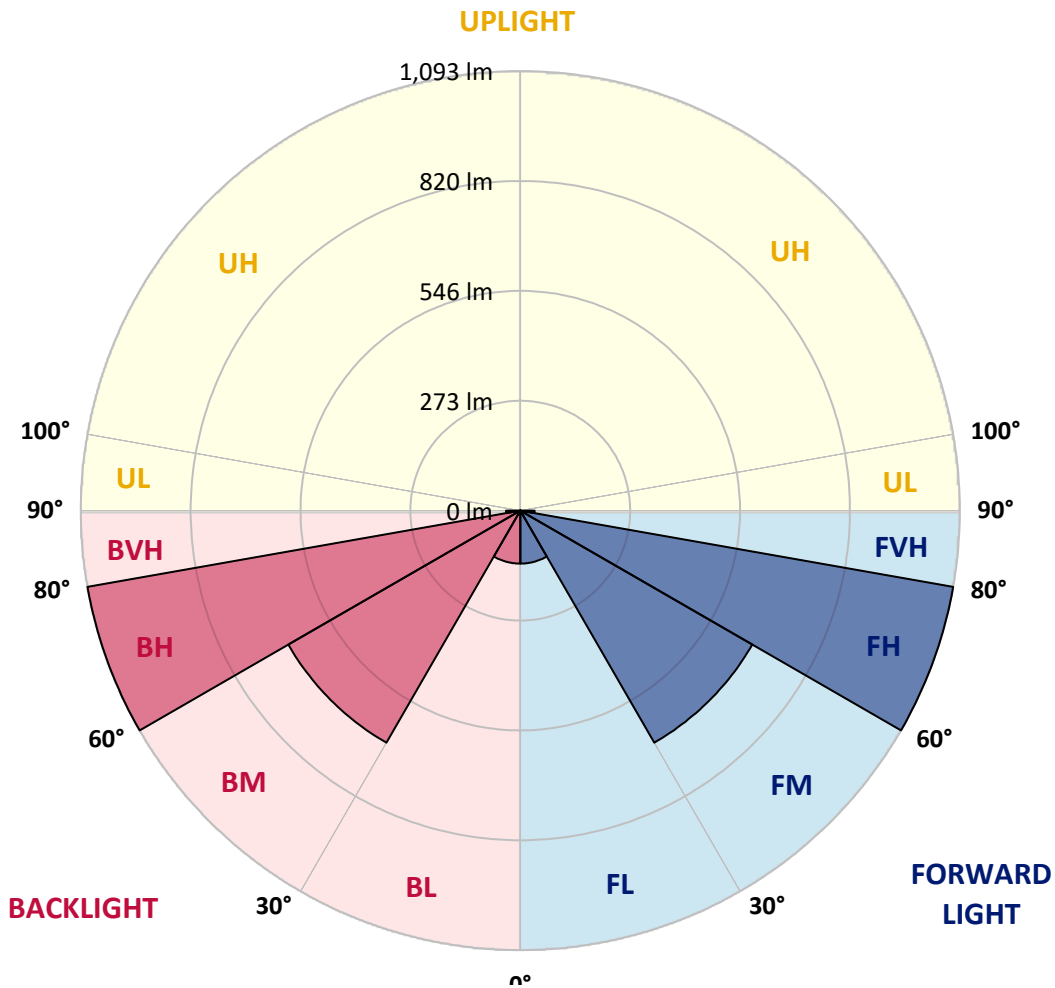
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.7	3.4			
FM (30°-60°)	666.2	17.3			
FH (60°-80°)	1093.0	28.4			G1/1800
FVH (80°-90°)	35.6	0.9			G1/100
BL (0°-30°)	131.7	3.4	B1/500		
BM (30°-60°)	666.2	17.3	B1/1000		
BH (60°-80°)	1093.0	28.4	B3/2500		G1/1800
BVH (80°-90°)	35.6	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°	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1	317.1
2.5°	315.7	316.1	315.7	316.0	315.3	315.6	315.6	315.6	315.4	315.6	315.3
5°	312.9	313.2	312.6	312.9	312.5	312.9	313.0	312.9	312.6	312.8	312.3
7.5°	308.7	308.9	308.6	308.9	308.4	309.1	308.9	308.6	308.2	308.2	307.7
10°	306.4	306.5	305.5	305.1	304.0	304.2	304.6	305.0	305.4	306.1	306.0
12.5°	306.5	306.5	305.0	303.3	301.7	302.1	302.7	304.1	305.6	307.0	307.2
15°	307.8	307.7	305.4	302.7	301.6	302.7	303.1	304.0	306.4	308.8	308.9
17.5°	308.7	308.7	305.1	302.1	301.9	303.7	303.6	304.0	306.7	310.2	310.3
20°	310.3	310.3	305.8	302.4	302.4	304.4	304.5	305.1	307.8	311.7	312.4
22.5°	314.0	314.2	309.3	306.7	306.9	308.1	308.4	309.5	311.9	316.2	317.0
25°	319.3	319.5	314.6	313.0	313.9	316.1	315.8	316.6	319.3	323.5	324.2
27.5°	326.5	325.9	321.3	320.7	321.6	323.1	323.0	323.1	325.3	329.1	330.0
30°	336.0	335.7	332.4	332.8	332.4	331.9	332.0	333.0	334.2	337.2	338.1
32.5°	345.1	345.4	343.4	345.3	348.1	350.0	347.1	344.2	343.0	344.6	345.4
35°	361.7	362.3	359.2	357.9	361.7	367.3	359.0	354.4	357.0	359.2	359.8
37.5°	389.9	390.3	384.9	379.8	377.0	382.4	374.1	374.5	383.4	387.5	387.3
40°	422.0	422.1	418.6	414.1	409.3	410.5	407.2	408.2	414.1	417.8	418.8
42.5°	460.2	459.8	454.2	447.9	446.5	447.7	442.1	441.4	448.1	454.8	454.9
45°	509.8	508.9	501.7	494.6	487.9	485.1	483.7	487.4	496.7	502.8	502.9
47.5°	563.2	560.8	557.0	551.4	545.5	542.7	540.4	542.2	548.9	551.4	551.6
50°	618.1	618.7	619.4	617.3	615.1	614.2	608.2	604.8	606.8	602.3	601.7
52.5°	683.3	684.3	691.7	697.9	701.6	703.5	692.2	680.3	673.7	665.0	662.5
55°	760.1	761.8	772.6	790.0	807.8	817.2	796.7	774.5	754.0	737.8	732.6
57.5°	845.8	848.7	863.6	896.9	933.5	955.8	921.1	880.8	841.2	817.9	813.8
60°	946.2	949.0	969.7	1017.3	1076.6	1110.1	1057.6	991.7	942.4	920.1	912.6
62.5°	1065.8	1066.0	1091.4	1147.1	1225.3	1272.0	1200.9	1112.8	1061.9	1035.0	1027.8
65°	1194.4	1195.0	1221.3	1281.4	1362.3	1413.1	1332.8	1241.0	1178.8	1139.2	1133.6
67.5°	1285.2	1287.9	1315.6	1388.0	1463.7	1509.4	1426.3	1322.6	1250.7	1203.4	1198.7
70°	1270.7	1281.2	1313.7	1398.2	1503.4	1568.7	1441.5	1312.9	1218.1	1162.2	1158.3
72.5°	1108.2	1128.2	1171.5	1282.4	1450.8	1540.6	1358.8	1175.9	1068.6	1021.0	1013.9
75°	754.6	787.1	852.5	1012.5	1239.5	1333.9	1143.9	937.5	836.6	770.8	766.0
77.5°	336.5	343.9	426.7	610.9	855.3	957.9	831.1	613.3	460.4	367.2	347.6
80°	93.8	95.0	126.7	227.5	428.1	562.8	459.6	239.0	134.3	94.7	89.2
82.5°	29.8	32.4	39.5	59.0	143.9	256.8	147.7	63.7	45.4	36.2	32.6
85°	14.5	14.4	20.0	24.0	36.7	56.8	39.1	29.6	25.9	17.2	15.5
87.5°	6.1	6.2	9.3	8.4	10.7	9.2	12.6	13.3	13.9	7.6	6.6
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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