

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: P385428

Luminaire Tested: **GWC-SA1A-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385428
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-727-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 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: 4385 lumens
Efficiency: N/A
Efficacy: 129.0 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

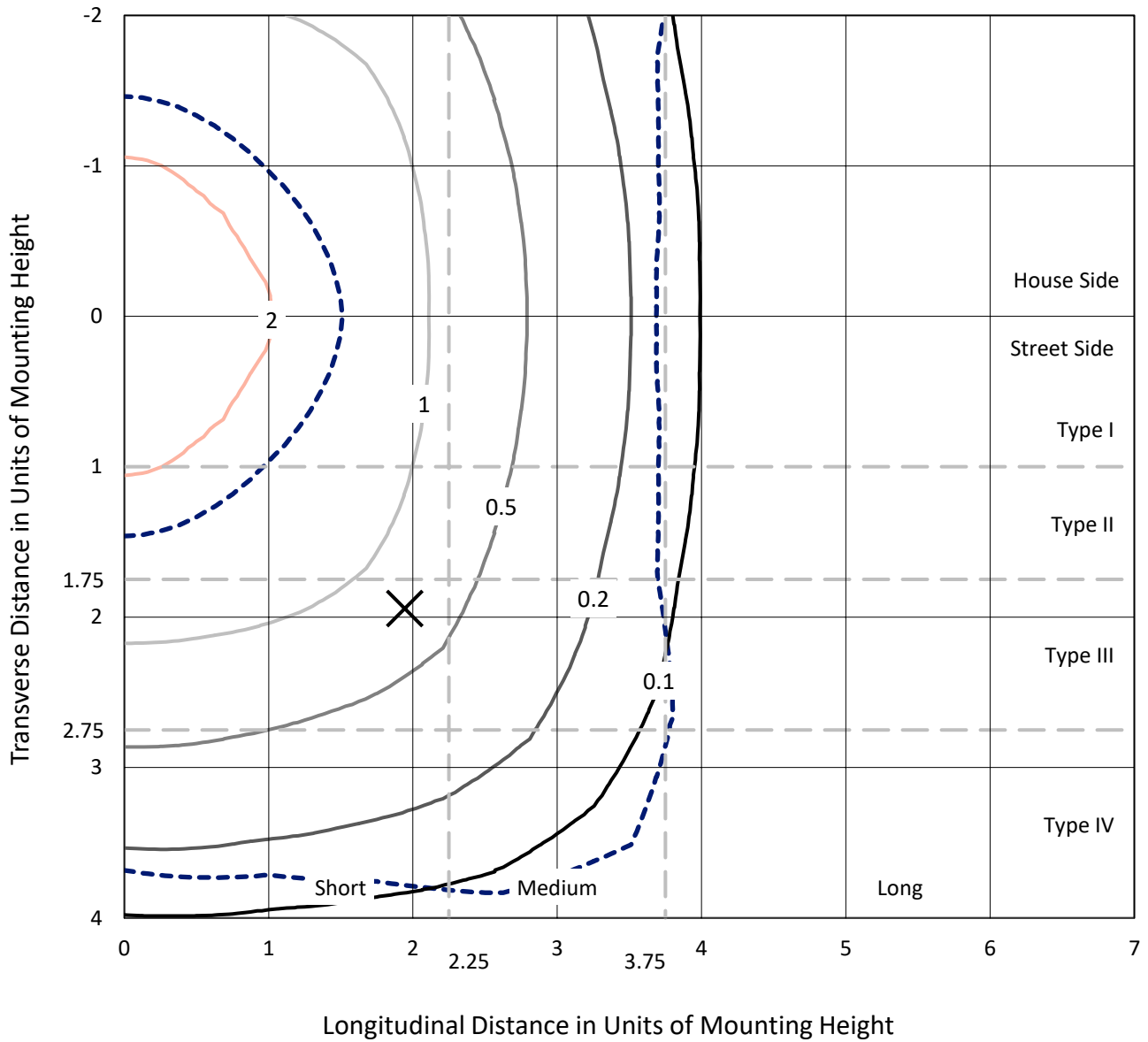
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

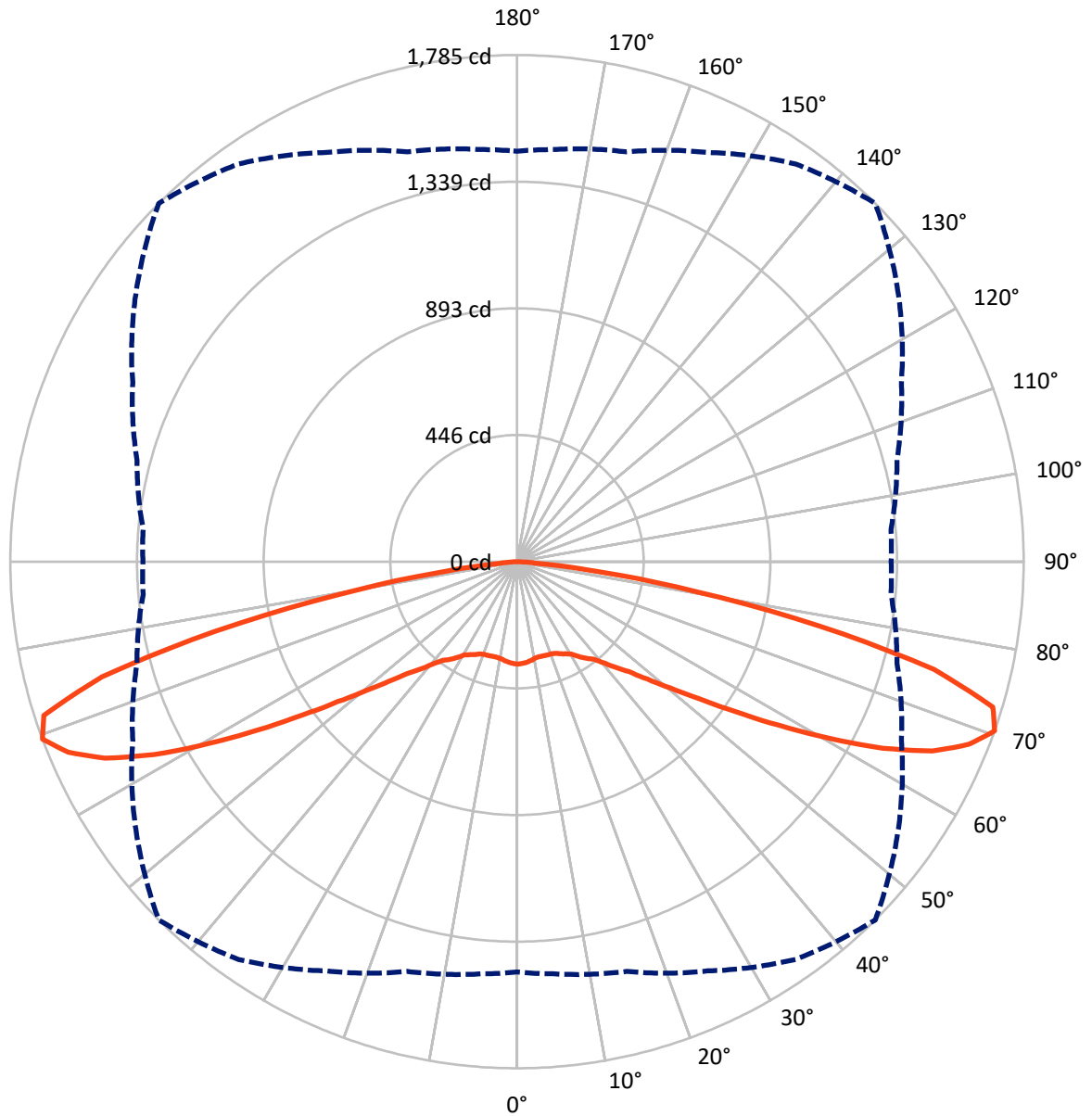
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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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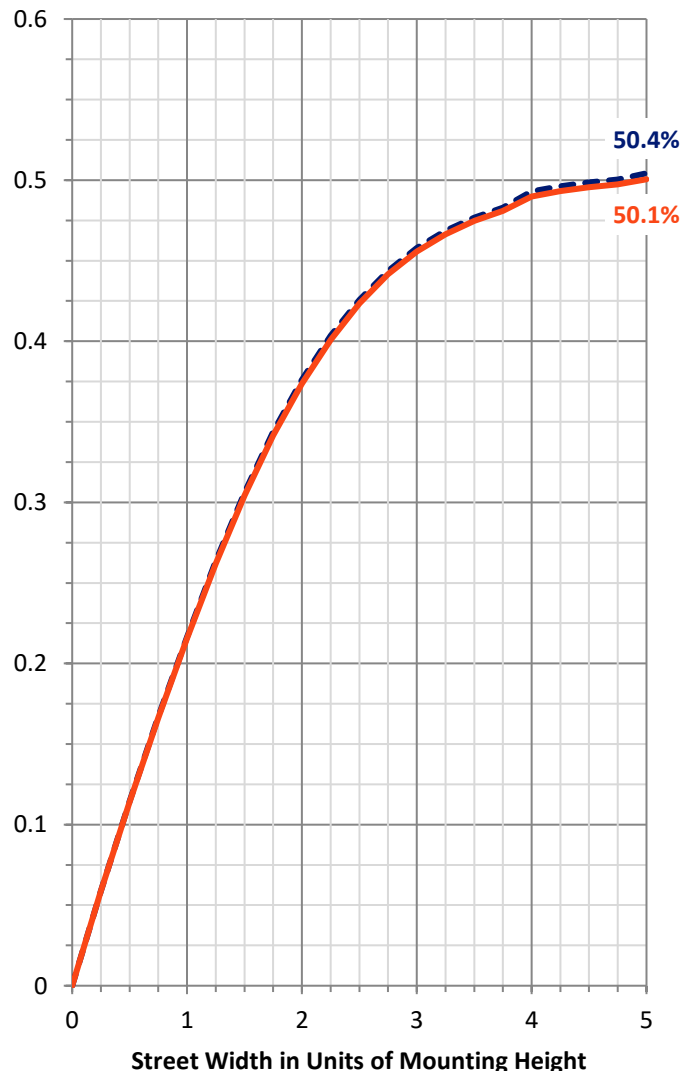
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2192.5	0.0	2192.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2192.5	0.0	2192.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4385.0	0.0	4385.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	0.8
10°-20°	98.4	2.2
20°-30°	167.7	3.8
30°-40°	262.1	6.0
40°-50°	444.2	10.1
50°-60°	810.1	18.5
60°-70°	1394.6	31.8
70°-80°	1093.1	24.9
80°-90°	81.1	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°	4385.0	100.0
0°-180°	4385.0	100.0



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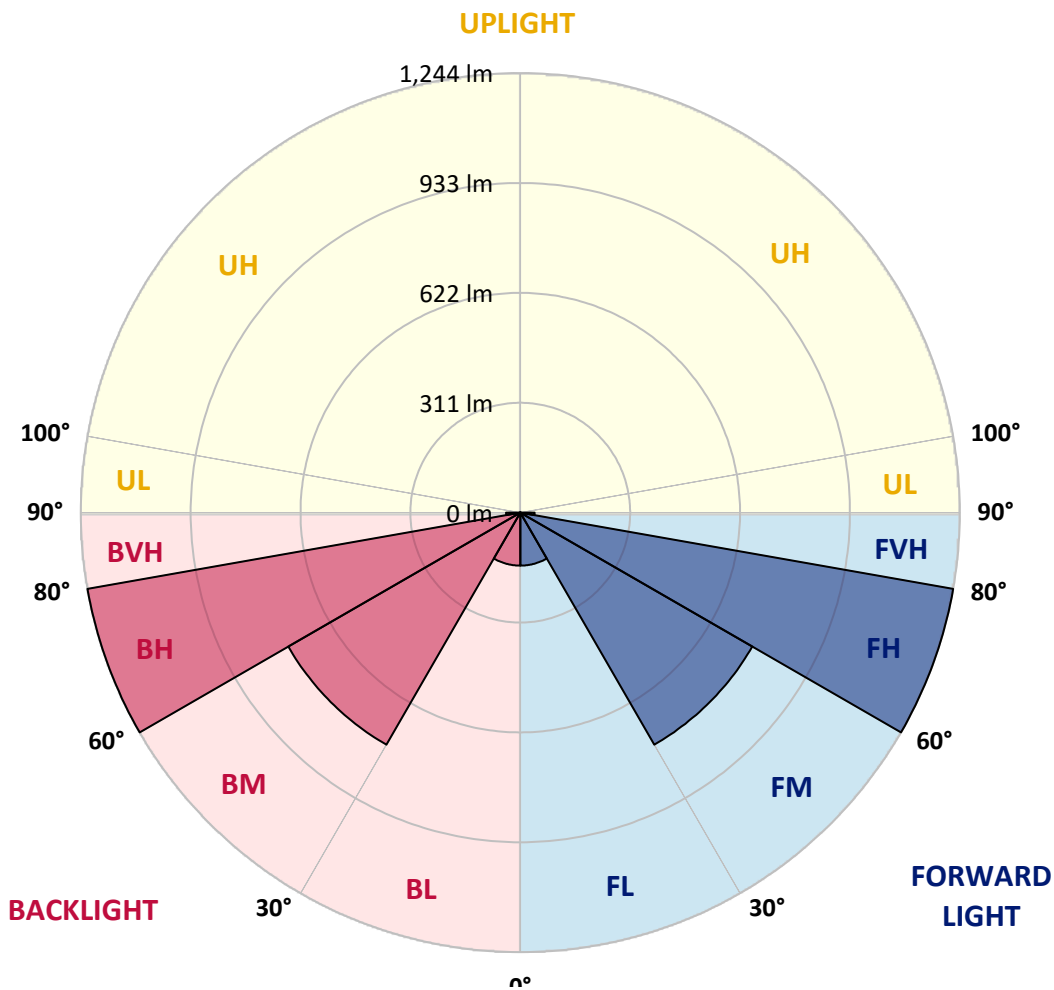
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.9	3.4			
FM (30°-60°)	758.2	17.3			
FH (60°-80°)	1243.9	28.4			G1/1800
FVH (80°-90°)	40.5	0.9			G1/100
BL (0°-30°)	149.9	3.4	B1/500		
BM (30°-60°)	758.2	17.3	B1/1000		
BH (60°-80°)	1243.9	28.4	B3/2500		G1/1800
BVH (80°-90°)	40.5	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°	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.9	360.9
2.5°	359.3	359.7	359.3	359.6	358.9	359.1	359.1	359.1	359.0	359.1	358.9
5°	356.1	356.4	355.8	356.1	355.7	356.1	356.2	356.1	355.8	356.0	355.4
7.5°	351.3	351.6	351.2	351.6	351.0	351.7	351.6	351.2	350.7	350.7	350.2
10°	348.7	348.8	347.7	347.3	345.9	346.2	346.7	347.1	347.5	348.4	348.3
12.5°	348.8	348.8	347.1	345.2	343.3	343.8	344.5	346.1	347.8	349.4	349.6
15°	350.3	350.2	347.5	344.5	343.2	344.5	344.9	345.9	348.7	351.5	351.6
17.5°	351.3	351.3	347.3	343.8	343.6	345.7	345.5	345.9	349.0	353.1	353.2
20°	353.2	353.2	348.0	344.2	344.2	346.4	346.5	347.3	350.3	354.8	355.5
22.5°	357.4	357.5	352.0	349.0	349.3	350.6	351.0	352.2	354.9	359.9	360.7
25°	363.4	363.6	358.0	356.2	357.3	359.7	359.4	360.3	363.4	368.1	369.0
27.5°	371.6	370.9	365.7	364.9	366.0	367.7	367.6	367.7	370.2	374.5	375.5
30°	382.4	382.1	378.3	378.7	378.3	377.7	377.9	379.0	380.3	383.8	384.8
32.5°	392.8	393.1	390.8	392.9	396.1	398.3	395.0	391.8	390.3	392.2	393.1
35°	411.7	412.4	408.8	407.3	411.7	418.0	408.6	403.4	406.3	408.8	409.5
37.5°	443.7	444.1	438.1	432.3	429.1	435.2	425.7	426.2	436.3	441.0	440.8
40°	480.3	480.4	476.3	471.3	465.8	467.2	463.4	464.6	471.3	475.5	476.6
42.5°	523.8	523.3	517.0	509.7	508.1	509.6	503.2	502.3	510.0	517.5	517.7
45°	580.2	579.2	570.9	562.9	555.3	552.1	550.5	554.7	565.3	572.2	572.4
47.5°	641.0	638.2	633.9	627.5	620.8	617.6	615.0	617.0	624.7	627.5	627.8
50°	703.5	704.1	704.9	702.5	700.0	699.0	692.2	688.3	690.6	685.5	684.8
52.5°	777.6	778.8	787.2	794.3	798.5	800.7	787.8	774.3	766.7	756.9	754.0
55°	865.1	867.0	879.3	899.0	919.3	930.1	906.7	881.5	858.1	839.7	833.8
57.5°	962.6	965.9	982.9	1020.7	1062.4	1087.7	1048.3	1002.4	957.3	930.8	926.1
60°	1076.9	1080.0	1103.5	1157.8	1225.2	1263.4	1203.6	1128.6	1072.5	1047.1	1038.6
62.5°	1212.9	1213.2	1242.1	1305.5	1394.5	1447.6	1366.7	1266.4	1208.6	1178.0	1169.7
65°	1359.3	1360.0	1389.9	1458.3	1550.4	1608.2	1516.8	1412.4	1341.6	1296.5	1290.1
67.5°	1462.7	1465.7	1497.2	1579.6	1665.8	1717.8	1623.3	1505.2	1423.4	1369.6	1364.2
70°	1446.2	1458.0	1495.0	1591.2	1711.0	1785.3	1640.5	1494.2	1386.2	1322.7	1318.2
72.5°	1261.2	1284.0	1333.3	1459.5	1651.1	1753.4	1546.4	1338.2	1216.1	1162.0	1153.9
75°	858.8	895.8	970.2	1152.3	1410.6	1518.1	1301.8	1067.0	952.1	877.3	871.8
77.5°	382.9	391.3	485.6	695.2	973.4	1090.2	945.9	698.0	523.9	417.9	395.6
80°	106.8	108.1	144.2	258.9	487.2	640.5	523.1	272.0	152.9	107.8	101.5
82.5°	33.9	36.8	45.0	67.2	163.8	292.3	168.1	72.5	51.6	41.2	37.1
85°	16.5	16.4	22.8	27.3	41.8	64.7	44.5	33.7	29.4	19.6	17.7
87.5°	7.0	7.1	10.6	9.6	12.2	10.4	14.4	15.1	15.8	8.7	7.5
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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