

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: P386156

Luminaire Tested: **GWC-SA1D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386156
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-SA1D-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8199 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

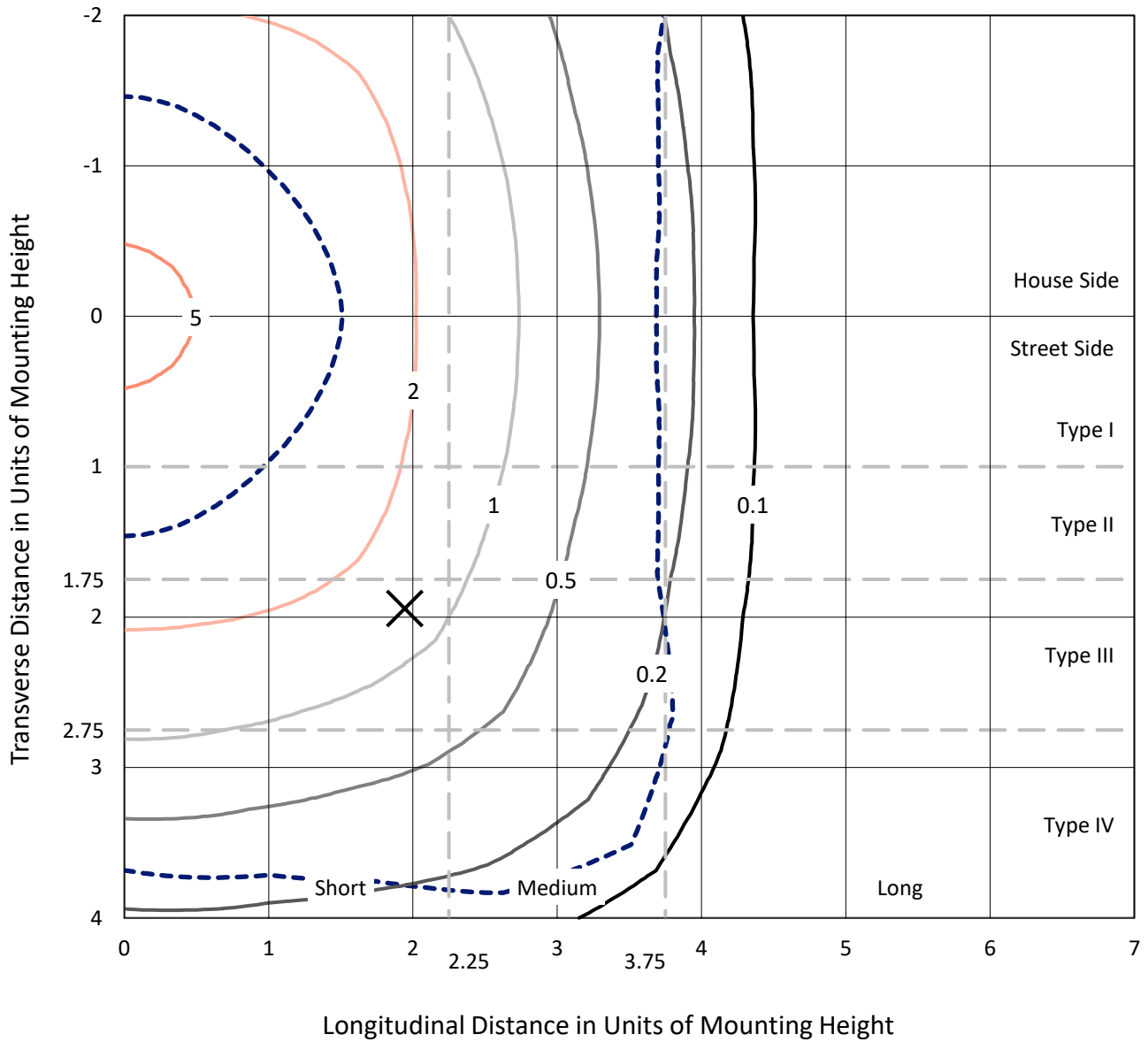
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

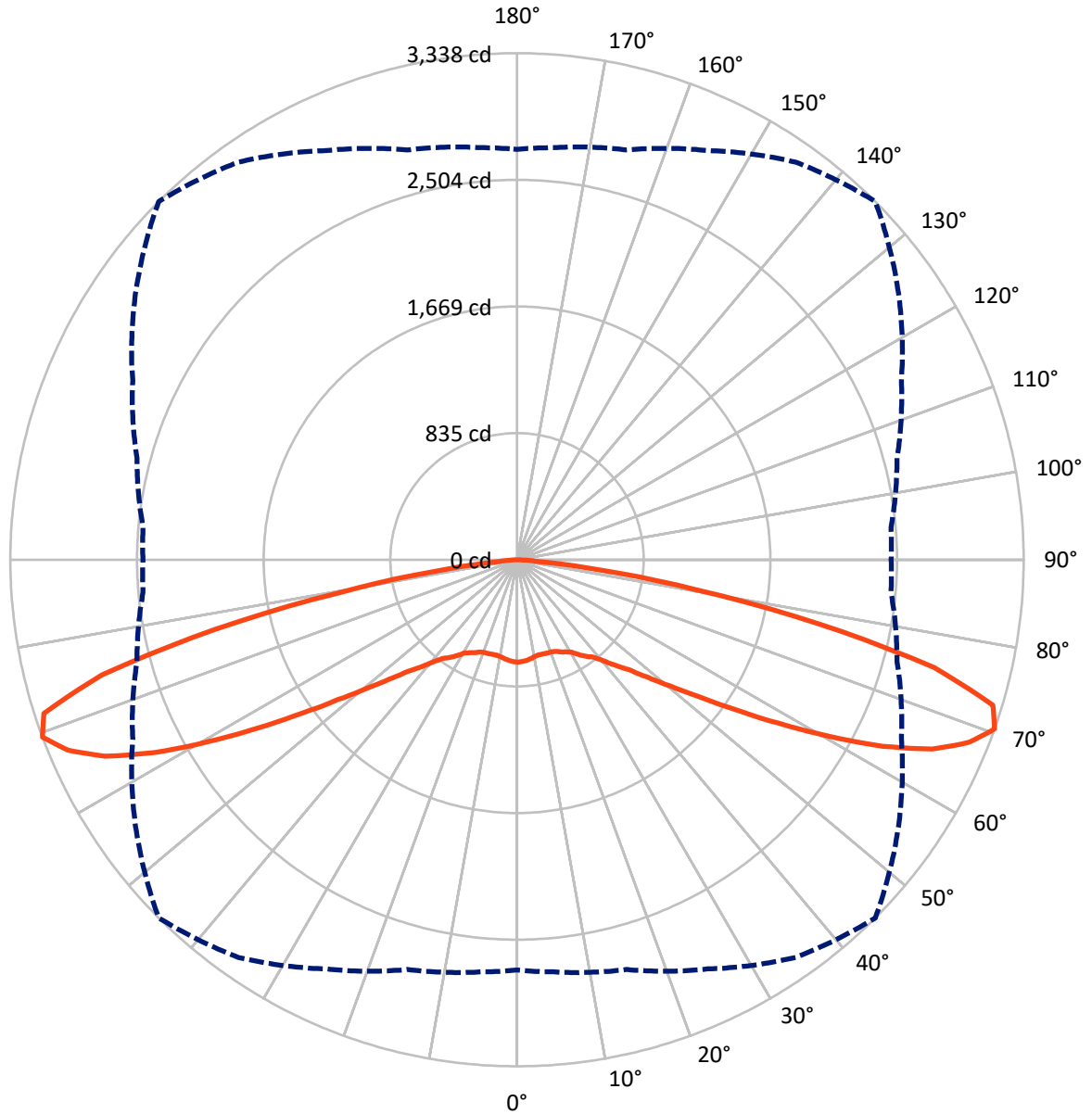
✕ Max cd
 - - - 1/2 Max cd



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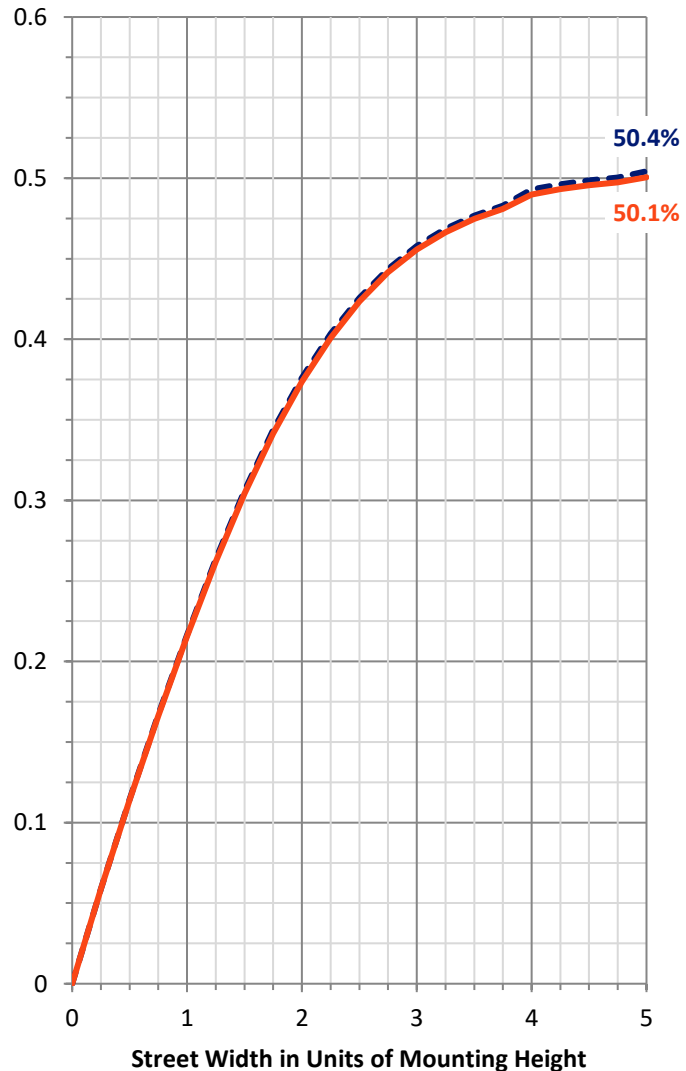
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4099.5	0.0	4099.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4099.5	0.0	4099.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8199.0	0.0	8199.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	0.8
10°-20°	184.0	2.2
20°-30°	313.7	3.8
30°-40°	490.1	6.0
40°-50°	830.6	10.1
50°-60°	1514.7	18.5
60°-70°	2607.6	31.8
70°-80°	2043.9	24.9
80°-90°	151.6	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°	8199.0	100.0
0°-180°	8199.0	100.0



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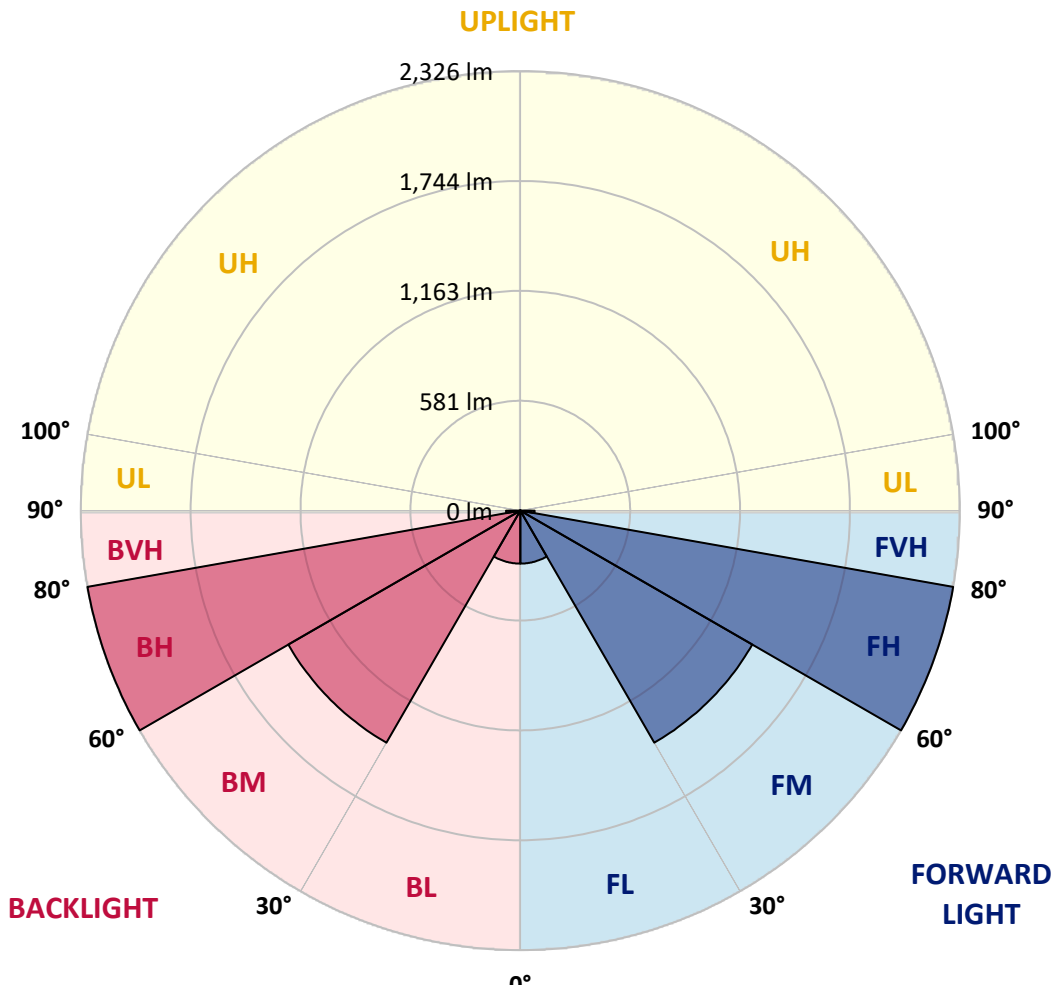
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.3	3.4			
FM (30°-60°)	1417.7	17.3			
FH (60°-80°)	2325.8	28.4			G2/5000
FVH (80°-90°)	75.8	0.9			G1/100
BL (0°-30°)	280.3	3.4	B1/500		
BM (30°-60°)	1417.7	17.3	B2/2500		
BH (60°-80°)	2325.8	28.4	B3/2500		G2/5000
BVH (80°-90°)	75.8	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°	674.8	674.8	674.8	674.8	674.8	674.8	674.8	674.8	674.8	674.8	674.8
2.5°	671.8	672.6	671.8	672.3	671.0	671.6	671.6	671.6	671.3	671.6	671.0
5°	665.8	666.4	665.3	665.8	665.0	665.8	666.1	665.8	665.3	665.6	664.4
7.5°	656.9	657.4	656.6	657.4	656.4	657.7	657.4	656.6	655.8	655.8	654.8
10°	652.0	652.3	650.1	649.3	646.9	647.4	648.2	649.0	649.9	651.5	651.2
12.5°	652.3	652.3	649.0	645.5	642.0	642.7	644.1	647.1	650.3	653.3	653.6
15°	654.9	654.8	649.9	644.1	641.7	644.1	645.0	646.9	652.0	657.1	657.4
17.5°	656.9	656.9	649.3	642.7	642.5	646.3	646.0	646.9	652.5	660.1	660.4
20°	660.4	660.4	650.6	643.6	643.6	647.6	647.9	649.3	654.9	663.4	664.7
22.5°	668.3	668.6	658.2	652.5	653.1	655.5	656.4	658.5	663.7	672.9	674.5
25°	679.4	679.9	669.3	666.1	668.0	672.6	672.0	673.7	679.4	688.4	690.0
27.5°	694.9	693.5	683.7	682.4	684.3	687.5	687.3	687.5	692.1	700.3	702.2
30°	714.9	714.4	707.4	708.1	707.4	706.2	706.5	708.7	711.1	717.6	719.6
32.5°	734.4	735.0	730.7	734.7	740.7	744.8	738.6	732.5	729.8	733.4	735.0
35°	769.7	771.1	764.3	761.6	769.7	781.7	764.0	754.2	759.7	764.3	765.6
37.5°	829.7	830.4	819.1	808.3	802.2	813.6	796.0	796.8	815.8	824.5	824.2
40°	898.0	898.2	890.6	881.2	870.9	873.5	866.5	868.7	881.2	889.0	891.2
42.5°	979.3	978.6	966.6	953.0	950.1	952.7	940.8	939.2	953.6	967.7	968.0
45°	1084.8	1082.9	1067.5	1052.6	1038.2	1032.2	1029.3	1037.1	1056.9	1070.0	1070.3
47.5°	1198.5	1193.3	1185.2	1173.3	1160.8	1154.8	1149.9	1153.8	1168.1	1173.3	1173.8
50°	1315.4	1316.5	1318.1	1313.5	1308.9	1307.0	1294.2	1286.9	1291.3	1281.8	1280.4
52.5°	1454.0	1456.2	1471.8	1485.2	1493.1	1497.1	1473.0	1447.7	1433.6	1415.2	1409.7
55°	1617.5	1621.0	1644.1	1681.0	1719.0	1739.0	1695.3	1648.2	1604.5	1570.1	1558.9
57.5°	1799.8	1806.0	1837.7	1908.6	1986.3	2033.9	1960.0	1874.4	1790.0	1740.4	1731.7
60°	2013.5	2019.4	2063.4	2164.8	2291.0	2362.3	2250.5	2110.3	2005.3	1957.9	1941.9
62.5°	2267.9	2268.4	2322.4	2440.9	2607.5	2706.7	2555.3	2367.9	2259.7	2202.5	2187.1
65°	2541.5	2542.9	2598.7	2726.8	2899.0	3007.0	2836.1	2640.8	2508.5	2424.1	2412.2
67.5°	2735.0	2740.6	2799.5	2953.5	3114.7	3212.0	3035.2	2814.4	2661.4	2560.8	2550.7
70°	2704.0	2726.2	2795.4	2975.2	3199.2	3338.1	3067.4	2793.8	2592.0	2473.2	2464.8
72.5°	2358.3	2400.8	2493.0	2728.9	3087.2	3278.5	2891.5	2502.3	2273.9	2172.7	2157.5
75°	1605.9	1675.0	1814.2	2154.5	2637.5	2838.6	2434.2	1995.1	1780.2	1640.3	1630.0
77.5°	716.0	731.7	908.0	1299.9	1820.1	2038.5	1768.6	1305.1	979.6	781.4	739.6
80°	199.6	202.1	269.6	484.2	911.0	1197.7	978.0	508.5	285.9	201.5	189.9
82.5°	63.5	68.9	84.1	125.6	306.2	546.5	314.3	135.6	96.6	77.0	69.4
85°	30.9	30.6	42.6	51.0	78.1	121.0	83.2	62.9	55.0	36.6	33.1
87.5°	13.1	13.2	19.8	17.9	22.8	19.5	26.9	28.2	29.6	16.3	14.1
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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