

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: P386154

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
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-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8177.4 lumens
Efficiency: N/A
Efficacy: 122.1 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

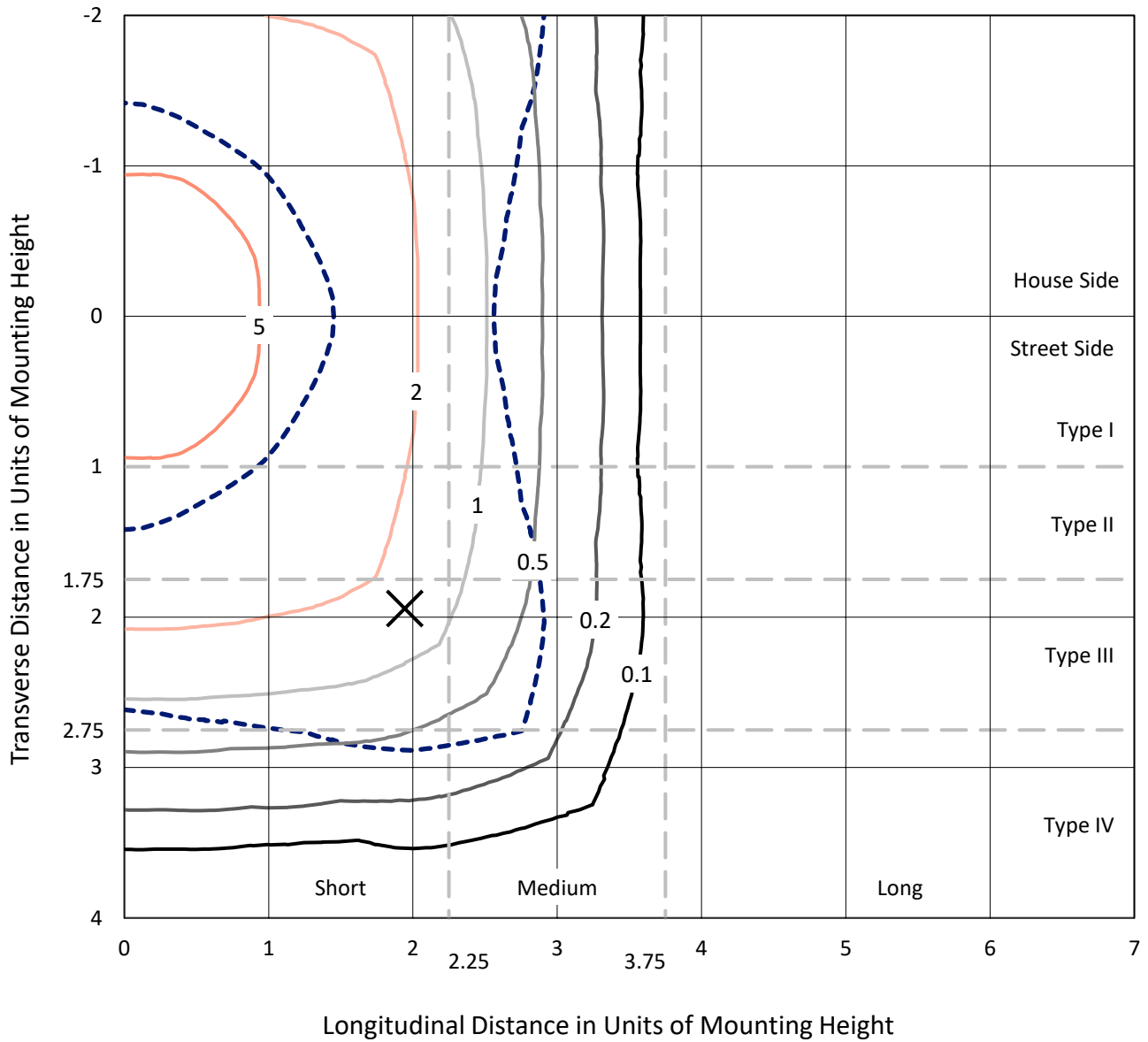
Input Watts (W): 67
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

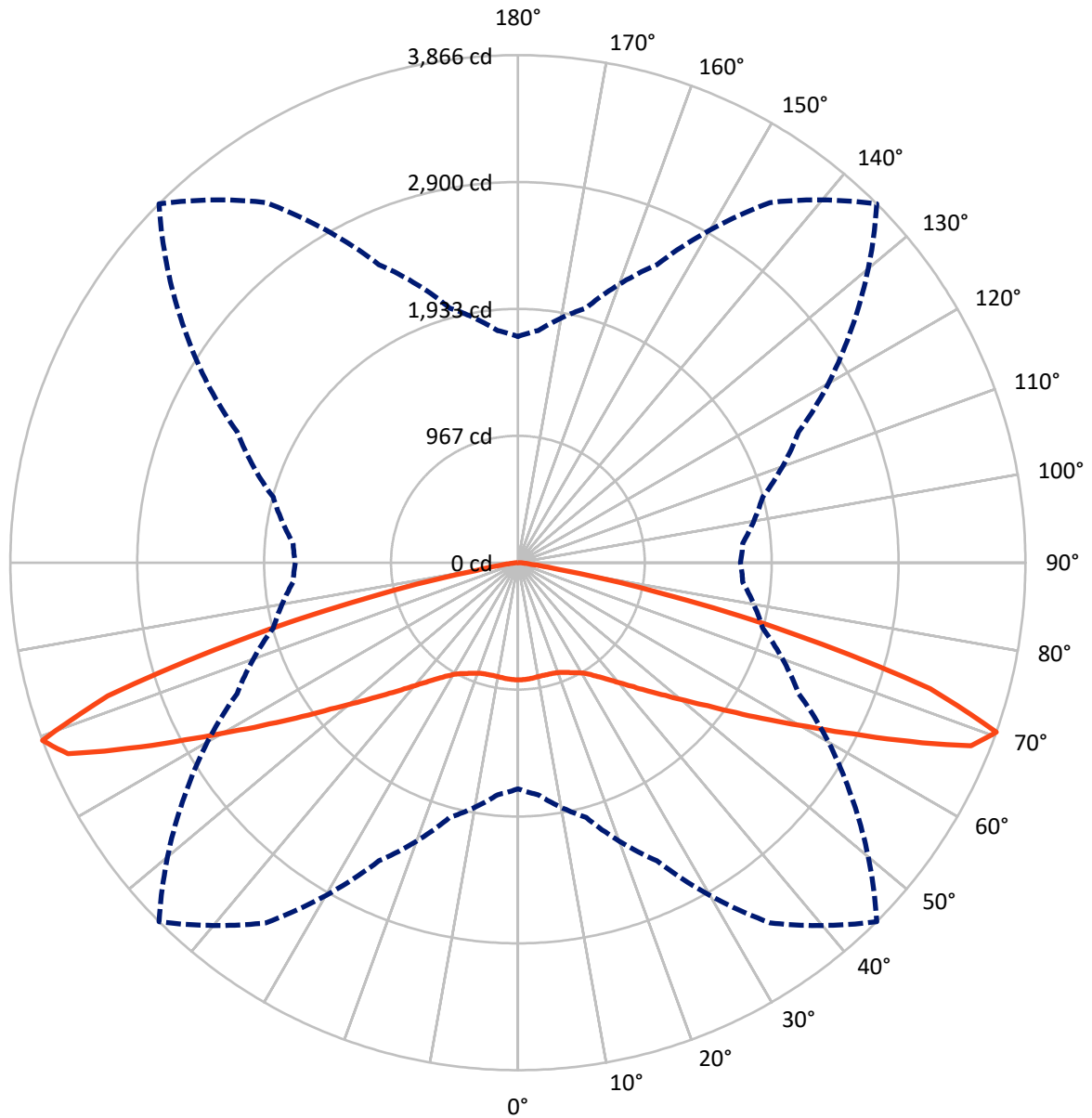
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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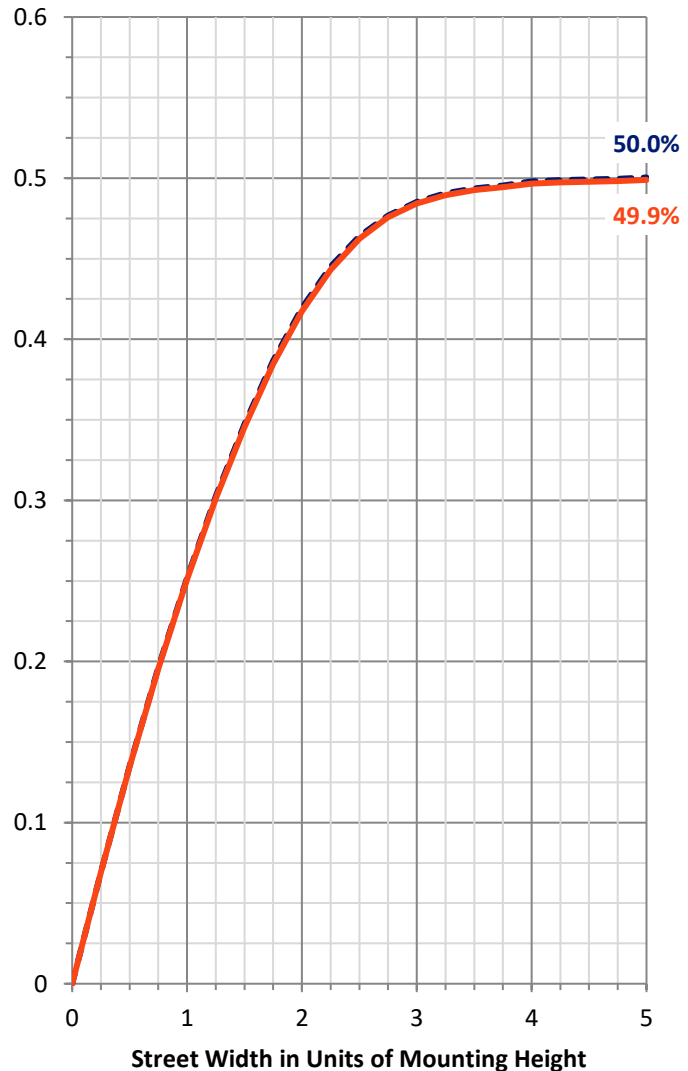
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4088.7	0.0	4088.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4088.7	0.0	4088.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8177.4	0.0	8177.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.0
10°-20°	248.3	3.0
20°-30°	422.7	5.2
30°-40°	670.4	8.2
40°-50°	1091.0	13.3
50°-60°	1798.9	22.0
60°-70°	2640.8	32.3
70°-80°	1167.7	14.3
80°-90°	52.9	0.6
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°	8177.4	100.0
0°-180°	8177.4	100.0



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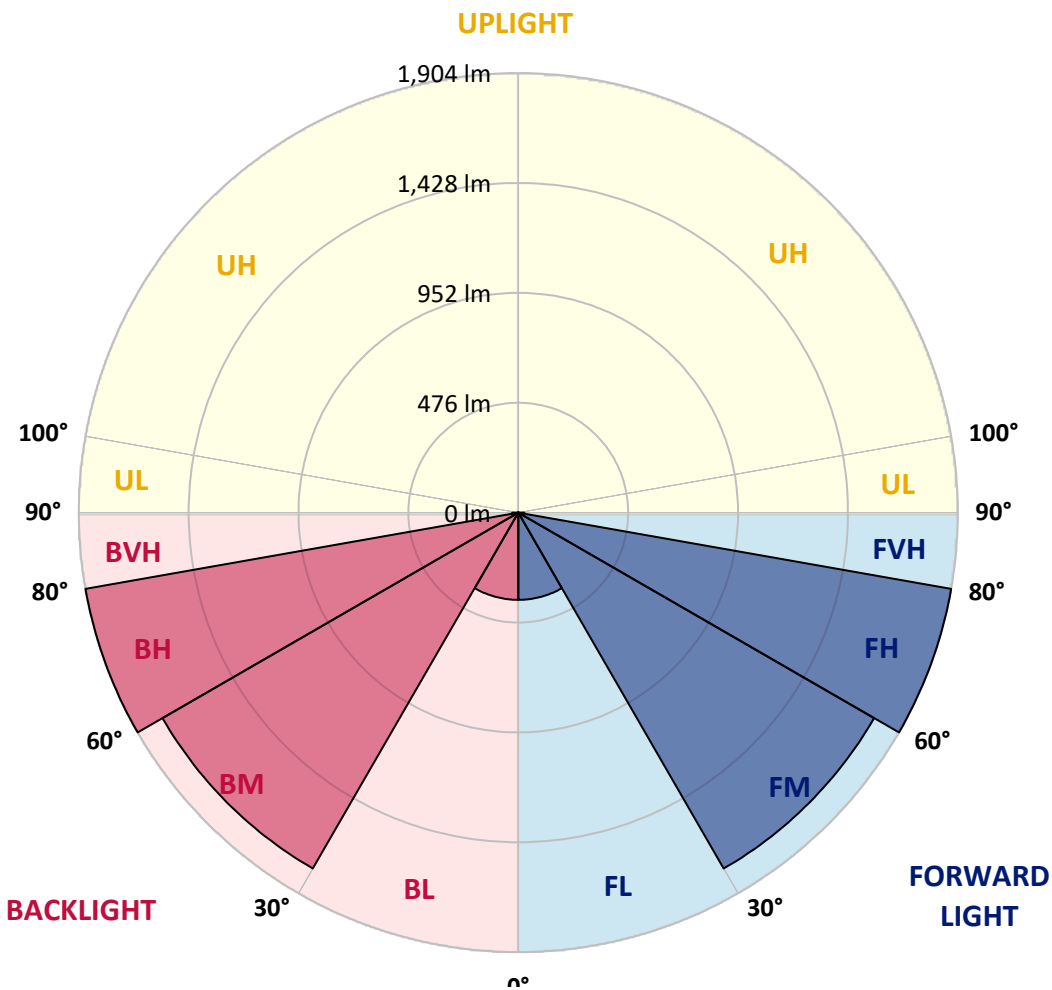
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.8	4.6			
FM (30°-60°)	1780.2	21.8			
FH (60°-80°)	1904.3	23.3			G2/5000
FVH (80°-90°)	26.4	0.3			G1/100
BL (0°-30°)	377.8	4.6	B1/500		
BM (30°-60°)	1780.2	21.8	B2/2500		
BH (60°-80°)	1904.3	23.3	B3/2500		G2/5000
BVH (80°-90°)	26.4	0.3			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°	893.1	893.1	893.1	893.1	893.1	893.1	893.1	893.1	893.1	893.1	893.1
2.5°	891.8	890.9	892.8	892.5	890.9	891.2	891.2	892.0	892.0	891.5	891.5
5°	888.5	887.9	890.2	890.2	888.5	889.0	889.6	890.4	890.2	889.6	889.3
7.5°	884.4	884.2	886.3	886.3	885.3	885.8	885.3	885.6	885.0	884.4	883.6
10°	877.7	878.2	880.1	880.7	880.7	881.0	880.4	879.0	878.2	877.4	876.5
12.5°	871.5	871.2	873.9	875.2	877.4	879.8	878.2	874.4	872.8	871.2	870.6
15°	867.4	867.6	870.3	872.8	876.5	881.7	879.8	873.9	870.6	868.8	868.2
17.5°	866.6	867.2	870.6	875.0	879.0	884.7	883.6	877.7	872.2	868.8	867.9
20°	868.5	868.8	874.2	880.4	887.4	892.8	890.4	883.9	876.5	871.2	869.8
22.5°	871.9	873.1	879.8	889.6	900.4	907.7	904.7	893.6	882.3	875.5	873.6
25°	883.1	883.3	892.5	905.9	918.8	927.2	923.7	908.0	893.4	885.8	883.3
27.5°	906.1	906.9	916.1	931.5	942.6	948.0	945.9	933.2	920.7	912.6	913.4
30°	939.4	940.4	950.8	967.8	974.5	975.9	975.4	969.5	958.1	947.2	948.0
32.5°	980.0	980.5	994.3	1009.8	1015.2	1016.2	1015.2	1009.8	996.2	981.6	982.4
35°	1032.2	1033.8	1047.0	1062.0	1066.3	1068.5	1066.6	1059.5	1045.5	1031.2	1030.6
37.5°	1096.6	1096.9	1110.7	1126.1	1131.5	1132.1	1129.9	1125.3	1107.7	1094.8	1093.9
40°	1171.3	1172.4	1188.6	1205.1	1207.3	1204.9	1207.9	1205.1	1187.0	1172.1	1174.5
42.5°	1262.3	1264.7	1284.2	1300.4	1294.2	1292.8	1294.8	1295.5	1281.0	1262.8	1261.1
45°	1368.0	1370.2	1394.6	1407.6	1403.5	1394.6	1398.4	1404.9	1384.6	1362.1	1364.3
47.5°	1488.8	1494.2	1520.1	1532.3	1522.3	1510.2	1517.5	1527.2	1503.4	1475.5	1474.2
50°	1623.0	1629.8	1664.4	1681.4	1671.5	1649.0	1661.1	1667.7	1633.3	1597.3	1594.3
52.5°	1766.2	1772.9	1816.5	1851.7	1845.2	1810.3	1827.3	1820.5	1781.1	1732.6	1728.9
55°	1928.3	1931.0	1978.1	2034.9	2041.4	2015.7	2014.6	2003.5	1945.1	1889.0	1886.3
57.5°	2095.0	2096.9	2157.8	2224.9	2255.5	2255.5	2225.1	2201.7	2124.0	2059.0	2052.2
60°	2274.9	2281.7	2349.1	2440.4	2511.8	2532.9	2479.3	2415.2	2330.7	2251.4	2243.6
62.5°	2435.2	2443.1	2546.1	2682.0	2796.8	2873.6	2742.7	2638.2	2484.4	2357.2	2342.4
65°	2455.5	2476.6	2626.8	2872.9	3129.7	3283.1	3032.0	2774.6	2494.5	2317.8	2302.5
67.5°	2242.5	2278.2	2481.2	2864.1	3394.9	3724.2	3216.8	2696.6	2314.8	2119.4	2102.6
70°	1723.1	1775.1	2009.2	2505.3	3349.1	3866.4	3100.9	2360.8	1929.9	1719.7	1696.1
72.5°	945.3	966.7	1177.2	1715.5	2685.0	3285.5	2586.4	1745.6	1279.8	1041.4	1001.9
75°	299.9	307.5	414.6	702.0	1518.8	2176.2	1643.0	856.8	471.8	347.8	343.7
77.5°	133.1	134.0	149.9	204.9	523.1	1102.6	628.5	233.3	160.7	140.4	145.0
80°	84.2	84.2	92.8	101.5	142.3	320.1	169.9	110.9	94.7	87.9	89.8
82.5°	40.3	44.6	60.3	64.9	78.3	107.7	87.2	72.5	63.3	47.1	43.9
85°	26.5	22.2	38.1	43.0	45.5	51.7	50.6	47.9	41.4	23.6	26.2
87.5°	11.9	11.4	19.7	18.1	17.1	13.0	19.4	24.0	23.3	11.6	11.6
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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