

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: P385706

Luminaire Tested: **GWC-SA1B-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385706  
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-SA1B-735-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6023.4 lumens  
Efficiency: N/A  
Efficacy: 136.9 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

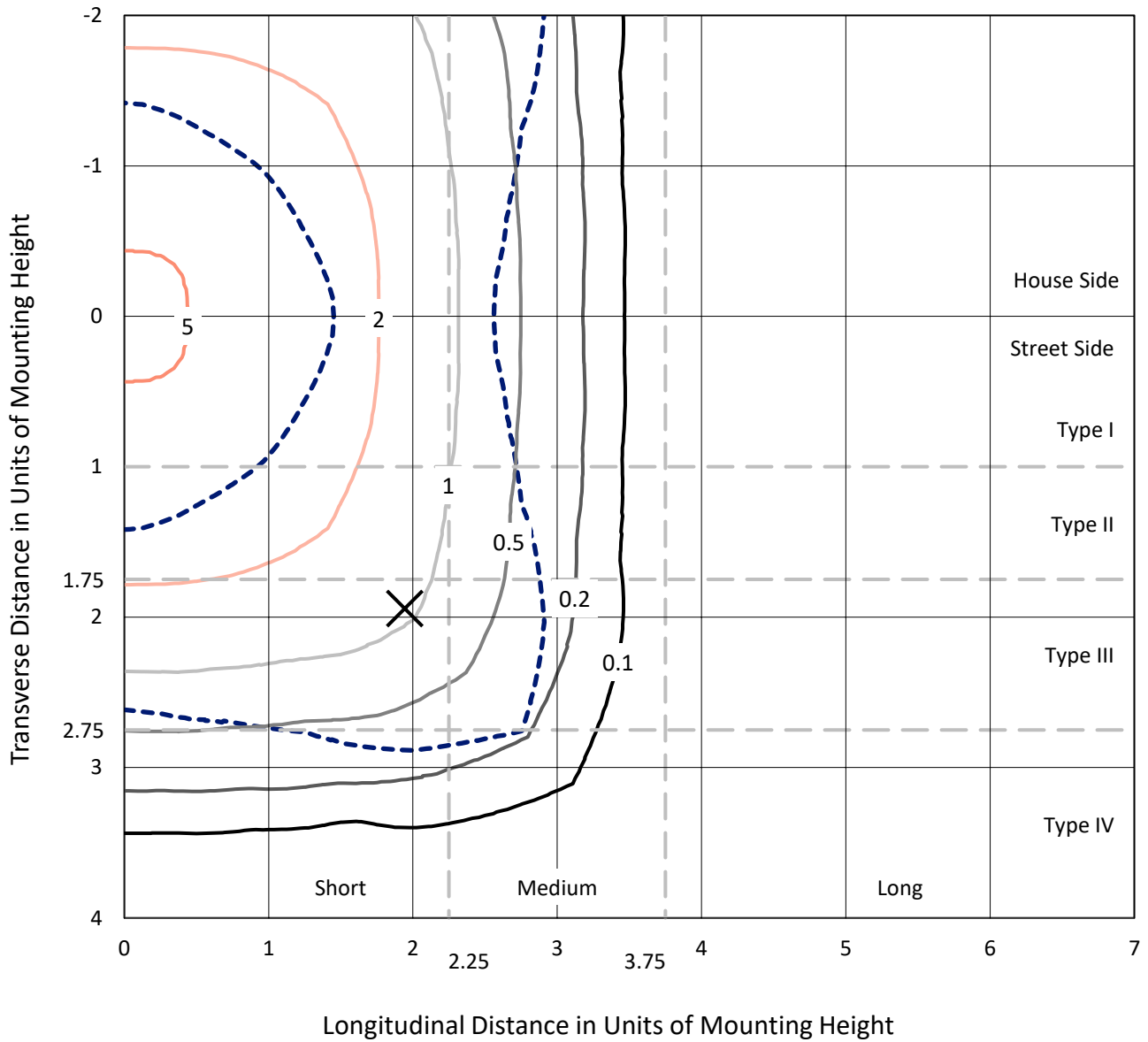
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

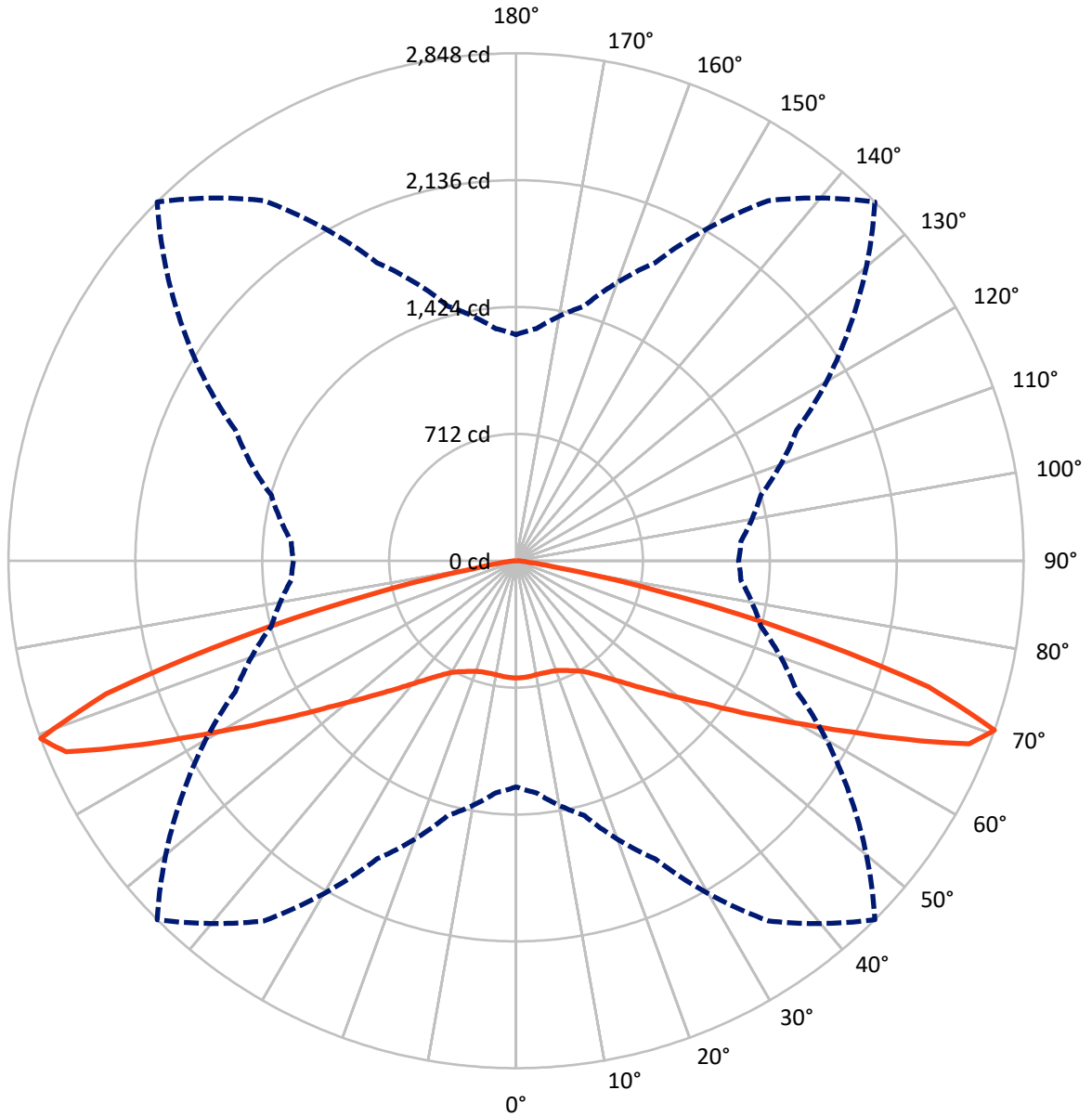
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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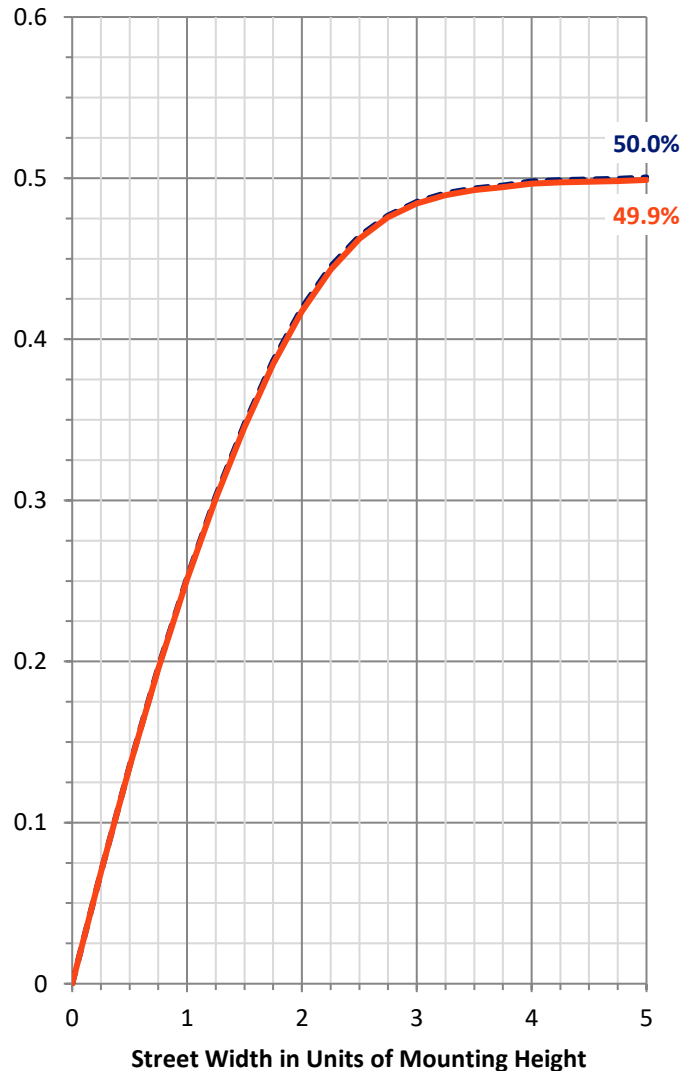
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3011.7	0.0	3011.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3011.7	0.0	3011.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6023.4	0.0	6023.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	1.0
10°-20°	182.9	3.0
20°-30°	311.4	5.2
30°-40°	493.8	8.2
40°-50°	803.6	13.3
50°-60°	1325.0	22.0
60°-70°	1945.2	32.3
70°-80°	860.2	14.3
80°-90°	39.0	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°	6023.4	100.0
0°-180°	6023.4	100.0



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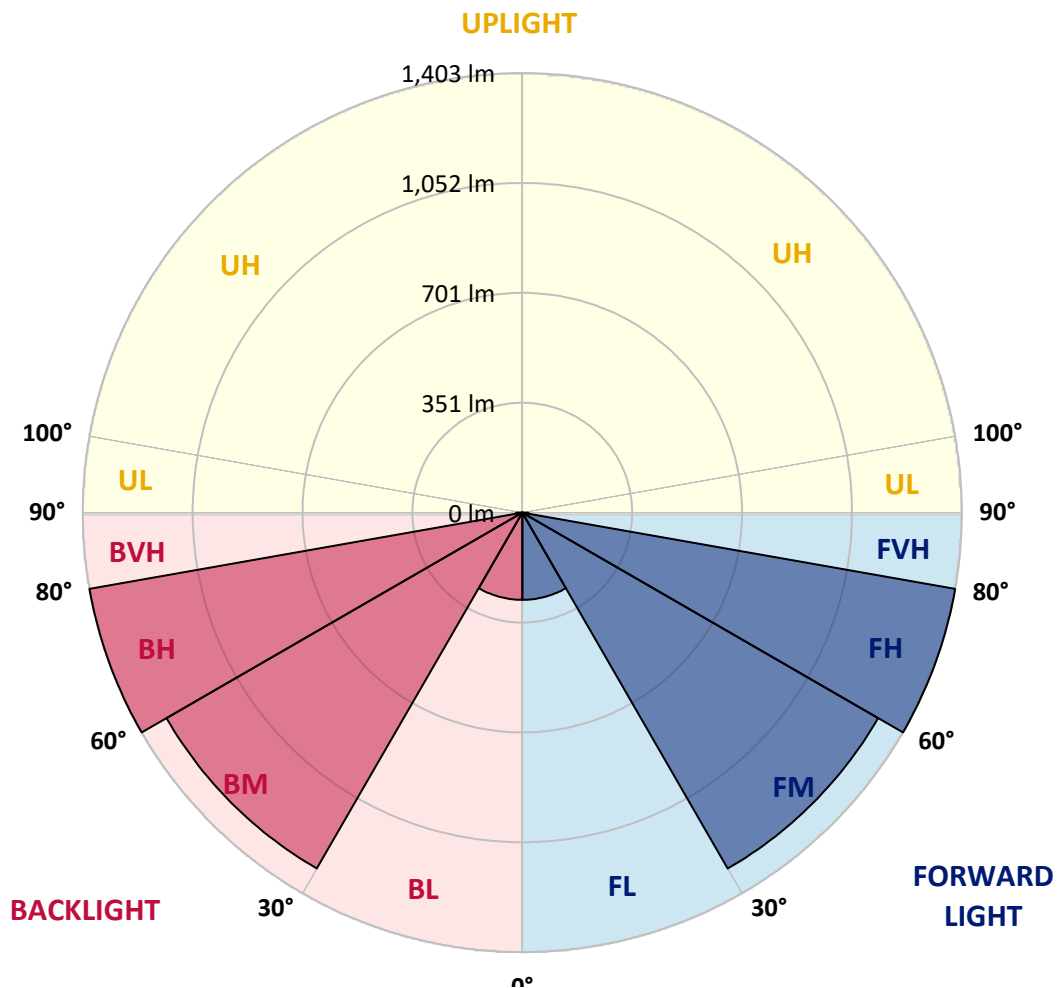
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	4.6			
FM (30°-60°)	1311.3	21.8			
FH (60°-80°)	1402.7	23.3			G1/1800
FVH (80°-90°)	19.5	0.3			G1/100
BL (0°-30°)	278.3	4.6	B1/500		
BM (30°-60°)	1311.3	21.8	B2/2500		
BH (60°-80°)	1402.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	19.5	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9
2.5°	656.8	656.3	657.7	657.5	656.3	656.4	656.4	657.0	657.0	656.6	656.6
5°	654.5	654.1	655.7	655.7	654.5	654.9	655.2	655.9	655.7	655.2	655.0
7.5°	651.5	651.3	652.9	652.9	652.0	652.5	652.0	652.2	651.8	651.5	650.9
10°	646.5	646.9	648.3	648.7	648.7	648.8	648.5	647.5	646.9	646.3	645.6
12.5°	641.9	641.7	643.7	644.7	646.3	648.1	646.9	644.0	642.9	641.7	641.3
15°	638.9	639.1	641.1	642.9	645.6	649.5	648.1	643.7	641.3	639.9	639.5
17.5°	638.3	638.7	641.3	644.5	647.5	651.7	650.9	646.5	642.5	639.9	639.4
20°	639.7	639.9	643.9	648.5	653.6	657.7	655.9	651.1	645.6	641.7	640.7
22.5°	642.3	643.1	648.1	655.2	663.2	668.6	666.4	658.2	649.9	644.9	643.5
25°	650.4	650.7	657.5	667.3	676.8	682.9	680.4	668.8	658.0	652.5	650.7
27.5°	667.4	668.0	674.8	686.1	694.3	698.3	696.7	687.4	678.1	672.2	672.8
30°	692.0	692.7	700.3	712.9	717.9	718.8	718.4	714.0	705.7	697.7	698.3
32.5°	721.8	722.2	732.4	743.8	747.8	748.5	747.8	743.8	733.8	723.1	723.6
35°	760.3	761.5	771.2	782.2	785.4	787.0	785.6	780.4	770.1	759.5	759.1
37.5°	807.8	808.0	818.1	829.5	833.4	833.9	832.3	828.9	816.0	806.4	805.7
40°	862.7	863.6	875.5	887.7	889.3	887.5	889.7	887.7	874.3	863.4	865.2
42.5°	929.7	931.6	945.9	957.9	953.3	952.3	953.7	954.2	943.5	930.2	929.0
45°	1007.7	1009.3	1027.2	1036.8	1033.8	1027.2	1030.0	1034.8	1019.9	1003.3	1004.9
47.5°	1096.6	1100.6	1119.8	1128.7	1121.4	1112.3	1117.8	1124.9	1107.4	1086.9	1085.8
50°	1195.5	1200.5	1226.0	1238.6	1231.2	1214.6	1223.6	1228.4	1203.1	1176.6	1174.3
52.5°	1301.0	1305.9	1338.0	1363.9	1359.1	1333.5	1346.0	1341.0	1311.9	1276.3	1273.4
55°	1420.4	1422.3	1457.0	1498.9	1503.7	1484.7	1484.0	1475.8	1432.7	1391.4	1389.5
57.5°	1543.1	1544.6	1589.4	1638.9	1661.4	1661.4	1639.1	1621.7	1564.5	1516.7	1511.7
60°	1675.7	1680.7	1730.4	1797.5	1850.1	1865.7	1826.2	1779.0	1716.7	1658.4	1652.6
62.5°	1793.8	1799.5	1875.5	1975.5	2060.1	2116.6	2020.2	1943.2	1830.0	1736.3	1725.4
65°	1808.7	1824.2	1934.9	2116.1	2305.3	2418.3	2233.3	2043.7	1837.4	1707.3	1696.1
67.5°	1651.8	1678.1	1827.6	2109.7	2500.7	2743.2	2369.4	1986.3	1705.0	1561.1	1548.8
70°	1269.2	1307.5	1479.9	1845.3	2466.9	2847.9	2284.1	1738.9	1421.6	1266.7	1249.3
72.5°	696.3	712.1	867.2	1263.7	1977.7	2420.1	1905.2	1285.7	942.7	767.1	738.0
75°	220.9	226.5	305.4	517.1	1118.7	1603.0	1210.2	631.2	347.5	256.2	253.2
77.5°	98.1	98.6	110.5	150.9	385.3	812.1	462.8	171.8	118.5	103.4	106.8
80°	62.0	62.0	68.4	74.8	104.8	235.8	125.2	81.7	69.8	64.8	66.2
82.5°	29.7	32.9	44.4	47.8	57.6	79.4	64.2	53.5	46.7	34.7	32.3
85°	19.5	16.3	28.1	31.7	33.5	38.0	37.3	35.3	30.5	17.4	19.4
87.5°	8.7	8.4	14.6	13.3	12.6	9.6	14.4	17.8	17.1	8.5	8.5
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



Report Generated By 670245982



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