

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: P385426

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385426  
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-SA1A-727-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4373 lumens  
Efficiency: N/A  
Efficacy: 128.6 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

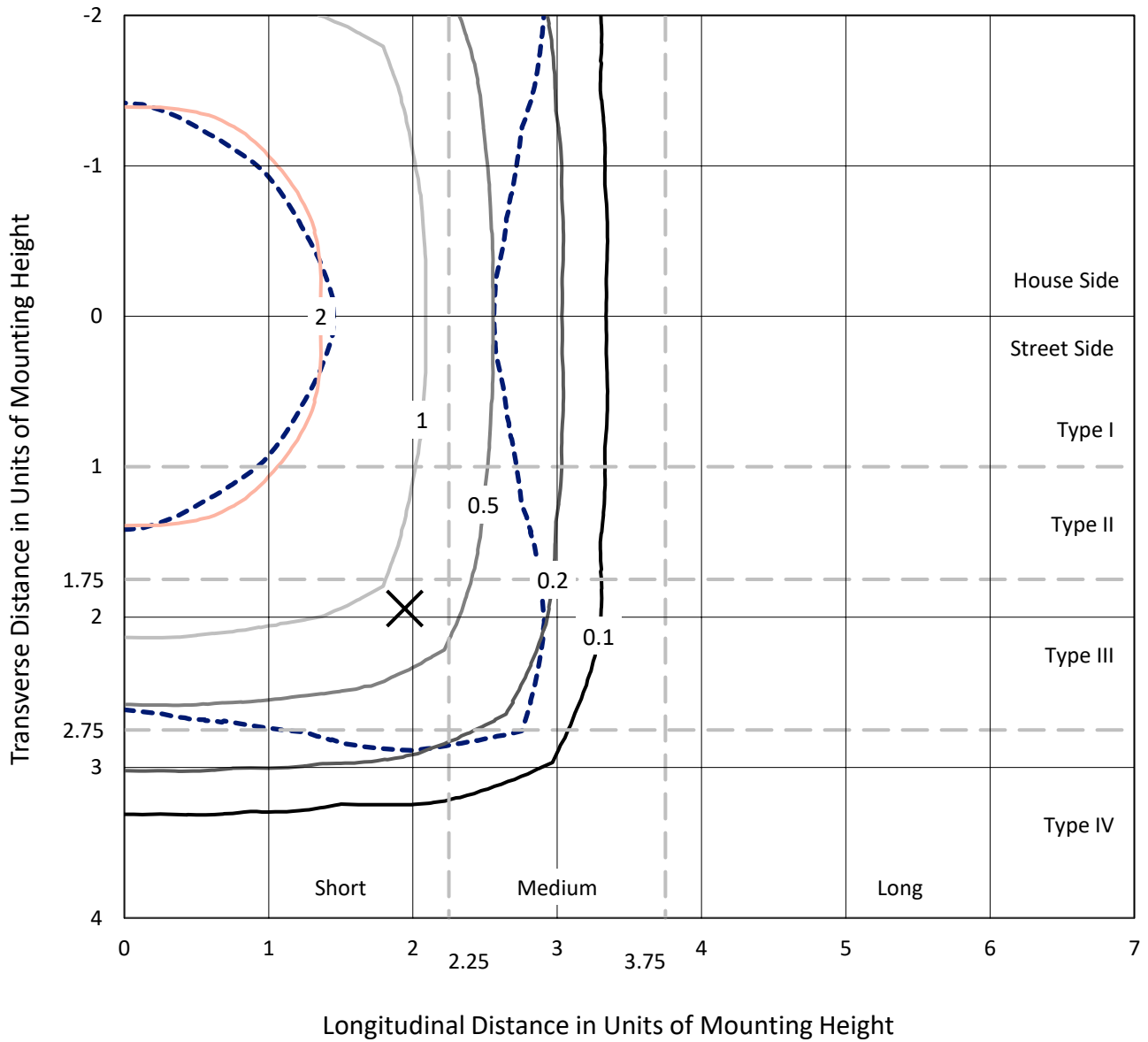
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

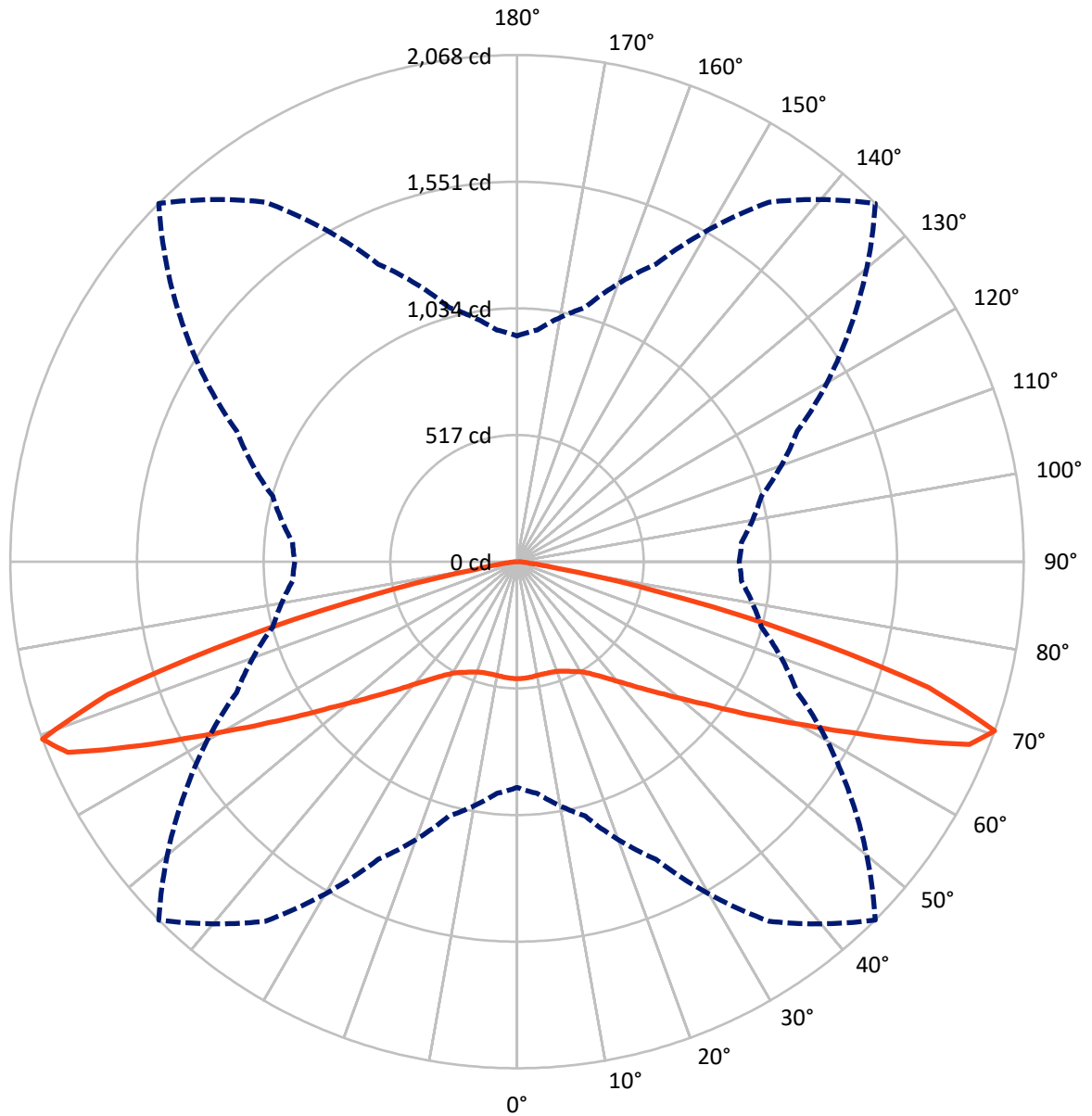
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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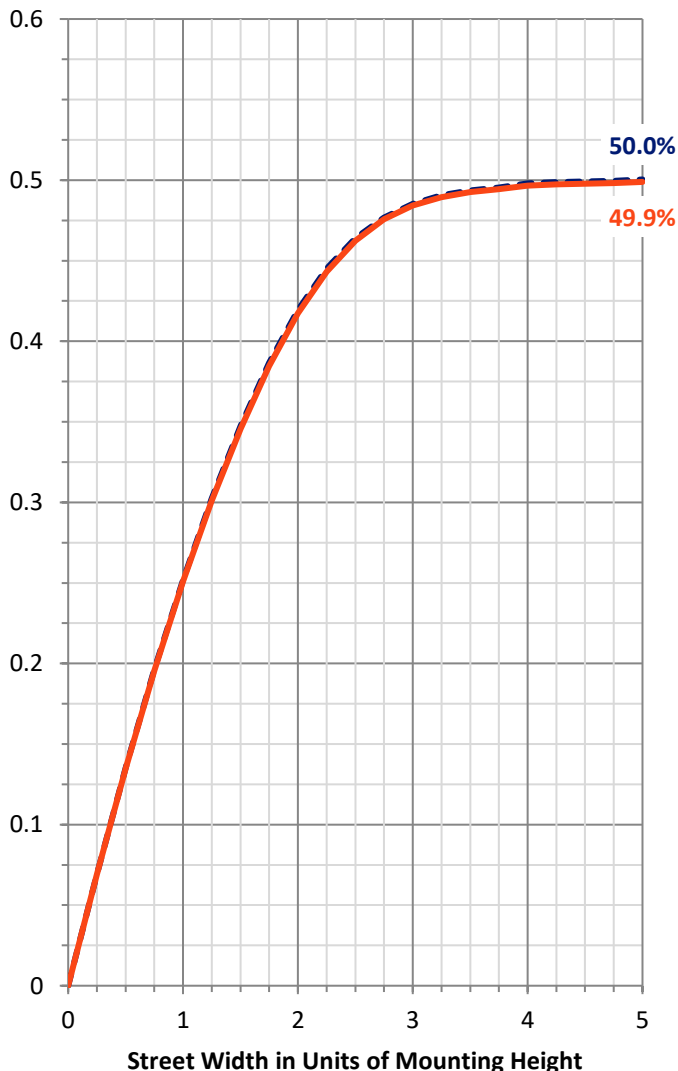
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2186.5	0.0	2186.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2186.5	0.0	2186.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4373.0	0.0	4373.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.0
10°-20°	132.8	3.0
20°-30°	226.1	5.2
30°-40°	358.5	8.2
40°-50°	583.4	13.3
50°-60°	962.0	22.0
60°-70°	1412.2	32.3
70°-80°	624.5	14.3
80°-90°	28.3	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°	4373.0	100.0
0°-180°	4373.0	100.0

**Coefficient of Utilization**



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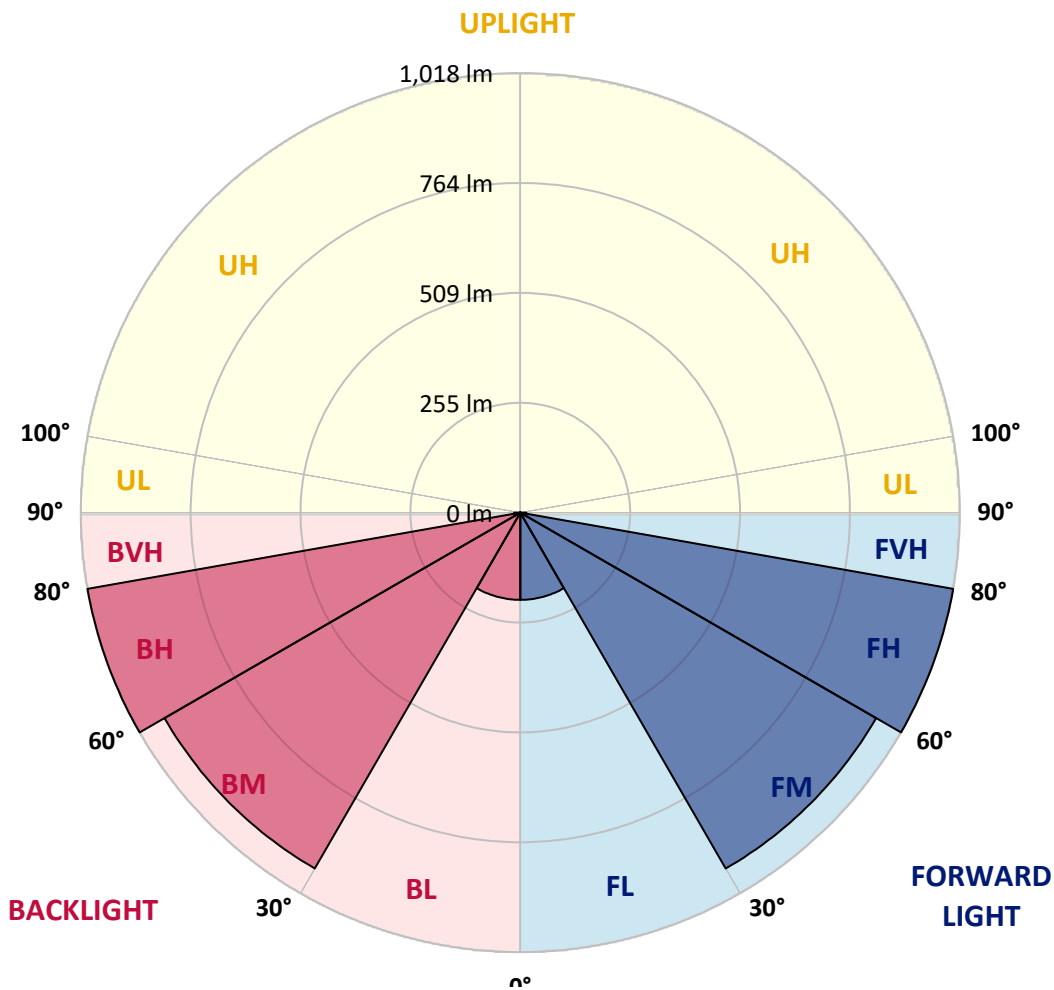
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.0	4.6			
FM (30°-60°)	952.0	21.8			
FH (60°-80°)	1018.4	23.3			G1/1800
FVH (80°-90°)	14.1	0.3			G1/100
BL (0°-30°)	202.0	4.6	B1/500		
BM (30°-60°)	952.0	21.8	B1/1000		
BH (60°-80°)	1018.4	23.3	B3/2500		G1/1800
BVH (80°-90°)	14.1	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°	477.6	477.6	477.6	477.6	477.6	477.6	477.6	477.6	477.6	477.6	477.6
2.5°	476.9	476.4	477.5	477.3	476.4	476.6	476.6	477.0	477.0	476.7	476.7
5°	475.1	474.8	476.0	476.0	475.1	475.4	475.7	476.2	476.0	475.7	475.6
7.5°	473.0	472.8	474.0	474.0	473.4	473.7	473.4	473.5	473.3	473.0	472.5
10°	469.4	469.6	470.7	470.9	470.9	471.1	470.8	470.1	469.6	469.2	468.8
12.5°	466.0	465.9	467.3	468.0	469.2	470.5	469.6	467.6	466.7	465.9	465.6
15°	463.9	464.0	465.4	466.7	468.8	471.5	470.5	467.3	465.6	464.6	464.3
17.5°	463.4	463.7	465.6	467.9	470.1	473.1	472.5	469.4	466.5	464.6	464.1
20°	464.4	464.6	467.5	470.8	474.6	477.5	476.2	472.7	468.8	465.9	465.2
22.5°	466.3	466.9	470.5	475.7	481.5	485.4	483.8	477.9	471.8	468.2	467.2
25°	472.2	472.4	477.3	484.4	491.3	495.8	494.0	485.6	477.7	473.7	472.4
27.5°	484.5	485.0	489.9	498.2	504.1	507.0	505.8	499.0	492.4	488.0	488.5
30°	502.3	502.9	508.4	517.5	521.2	521.9	521.6	518.4	512.3	506.5	507.0
32.5°	524.1	524.3	531.7	540.0	542.9	543.5	542.9	540.0	532.7	524.9	525.4
35°	552.0	552.9	559.9	567.9	570.2	571.4	570.4	566.6	559.1	551.4	551.1
37.5°	586.4	586.6	594.0	602.2	605.1	605.4	604.2	601.8	592.4	585.4	585.0
40°	626.4	627.0	635.6	644.5	645.6	644.3	645.9	644.5	634.8	626.8	628.1
42.5°	675.0	676.3	686.7	695.4	692.1	691.4	692.4	692.8	685.0	675.3	674.4
45°	731.6	732.8	745.8	752.7	750.6	745.8	747.8	751.3	740.4	728.4	729.6
47.5°	796.1	799.0	812.9	819.4	814.1	807.6	811.5	816.7	804.0	789.1	788.3
50°	867.9	871.5	890.1	899.2	893.8	881.8	888.3	891.8	873.4	854.2	852.6
52.5°	944.5	948.1	971.4	990.2	986.7	968.1	977.2	973.6	952.4	926.5	924.5
55°	1031.2	1032.6	1057.8	1088.2	1091.7	1077.9	1077.3	1071.4	1040.2	1010.2	1008.7
57.5°	1120.3	1121.3	1153.9	1189.8	1206.2	1206.2	1189.9	1177.4	1135.8	1101.1	1097.5
60°	1216.6	1220.2	1256.2	1305.0	1343.2	1354.5	1325.8	1291.5	1246.4	1204.0	1199.8
62.5°	1302.3	1306.5	1361.6	1434.2	1495.6	1536.7	1466.7	1410.8	1328.6	1260.6	1252.6
65°	1313.1	1324.4	1404.7	1536.3	1673.6	1755.7	1621.4	1483.7	1334.0	1239.4	1231.3
67.5°	1199.2	1218.3	1326.9	1531.6	1815.5	1991.6	1720.2	1442.1	1237.9	1133.4	1124.4
70°	921.5	949.3	1074.5	1339.7	1791.0	2067.6	1658.3	1262.5	1032.0	919.6	907.0
72.5°	505.5	517.0	629.6	917.4	1435.8	1757.0	1383.2	933.5	684.4	556.9	535.8
75°	160.4	164.4	221.7	375.4	812.2	1163.8	878.6	458.2	252.3	186.0	183.8
77.5°	71.2	71.6	80.2	109.6	279.8	589.6	336.1	124.8	86.0	75.1	77.6
80°	45.0	45.0	49.6	54.3	76.1	171.2	90.9	59.3	50.7	47.0	48.0
82.5°	21.6	23.9	32.3	34.7	41.8	57.6	46.6	38.8	33.9	25.2	23.4
85°	14.2	11.9	20.4	23.0	24.3	27.6	27.1	25.6	22.1	12.6	14.0
87.5°	6.4	6.1	10.6	9.7	9.1	6.9	10.4	12.9	12.4	6.2	6.2
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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