

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: P385454

Luminaire Tested: **GWC-SA1A-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385454  
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-730-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4762 lumens  
Efficiency: N/A  
Efficacy: 140.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

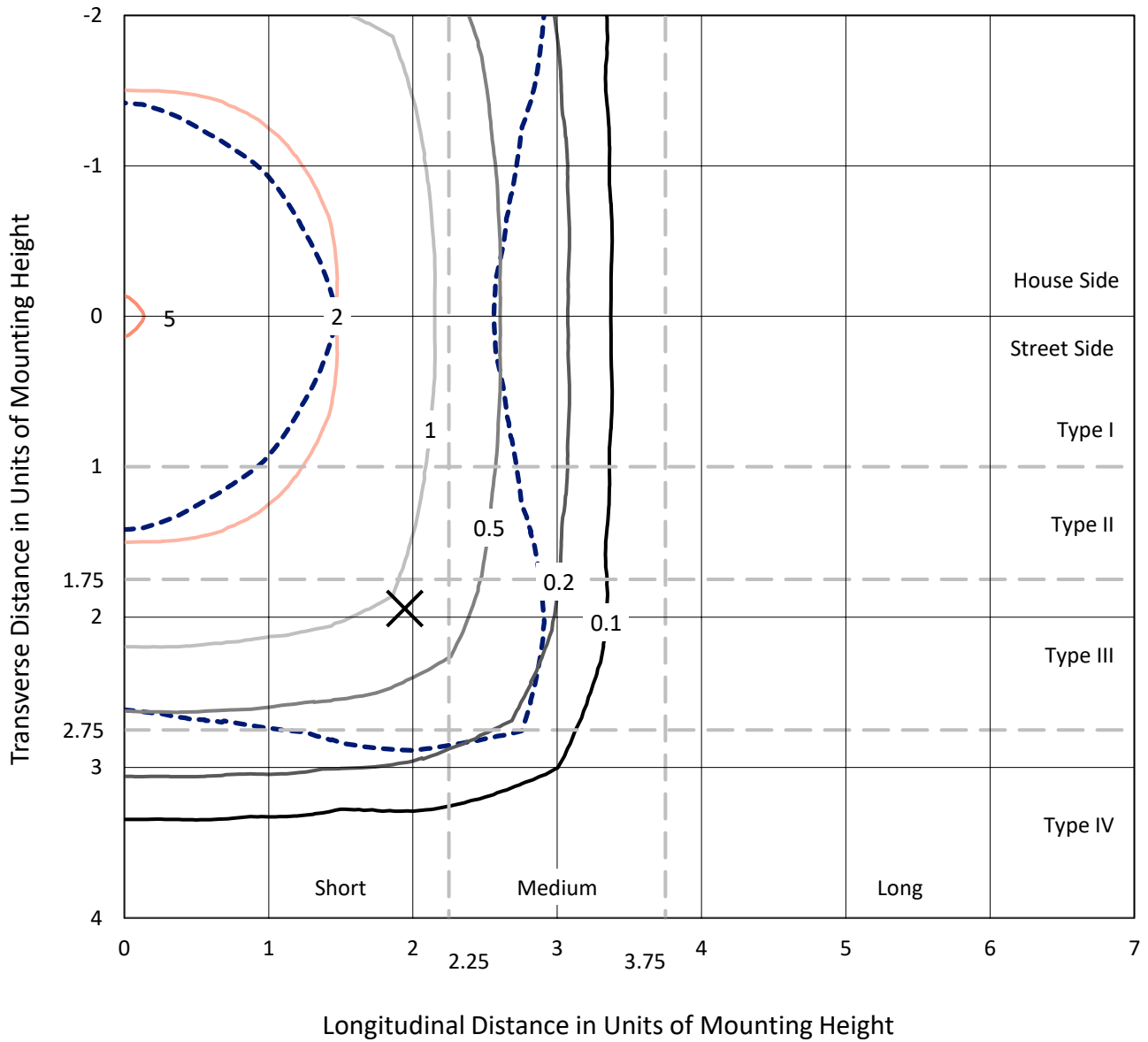
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

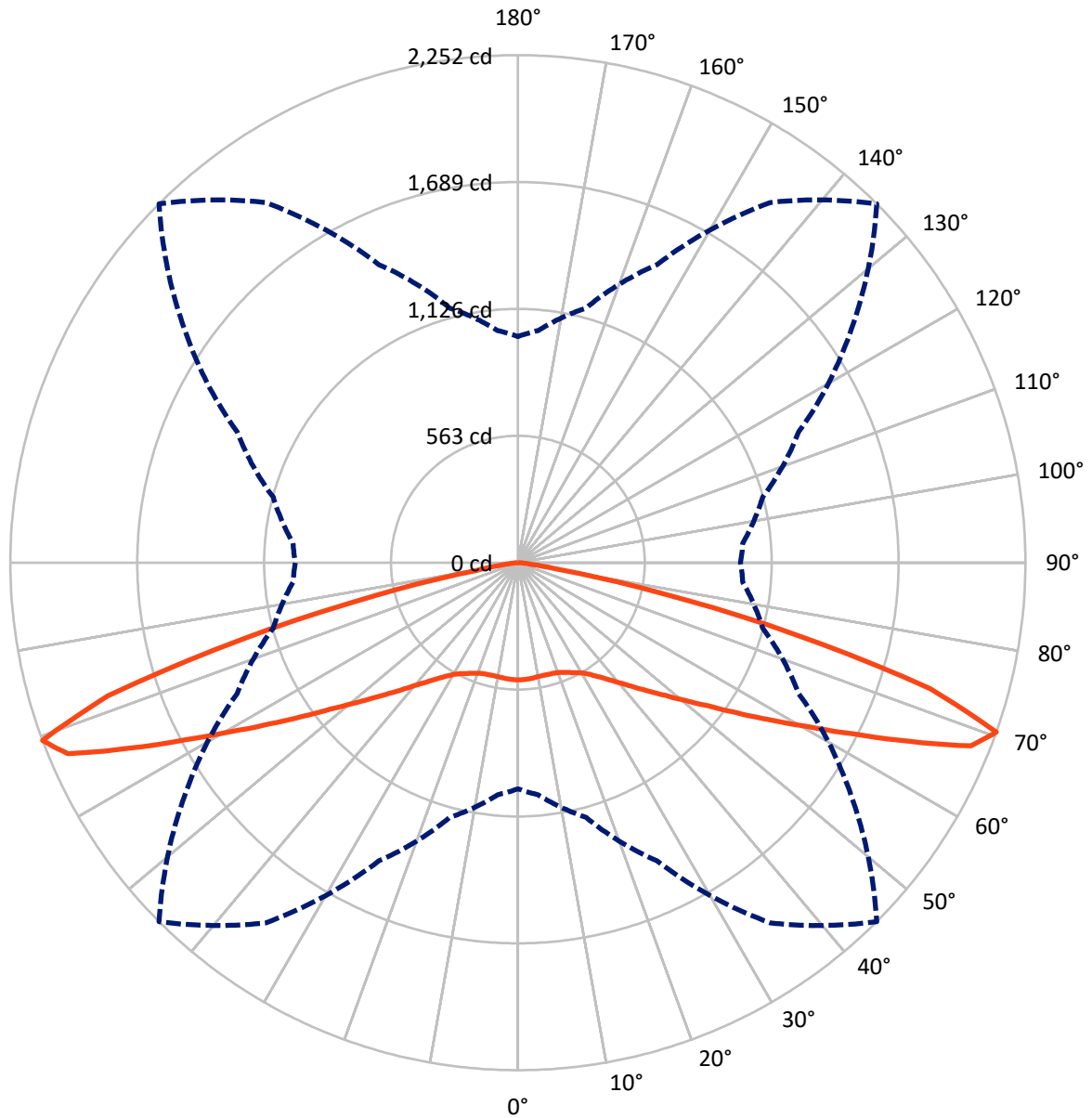
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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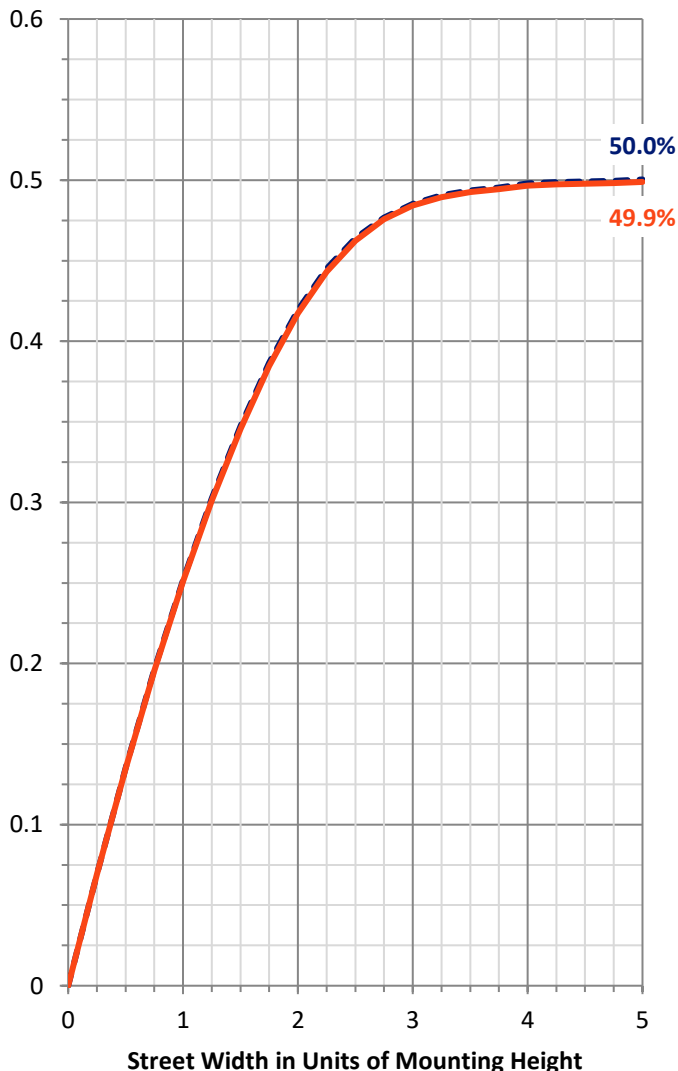
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2381.0	0.0	2381.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2381.0	0.0	2381.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4762.0	0.0	4762.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	1.0
10°-20°	144.6	3.0
20°-30°	246.2	5.2
30°-40°	390.4	8.2
40°-50°	635.3	13.3
50°-60°	1047.6	22.0
60°-70°	1537.8	32.3
70°-80°	680.0	14.3
80°-90°	30.8	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°	4762.0	100.0
0°-180°	4762.0	100.0

**Coefficient of Utilization**



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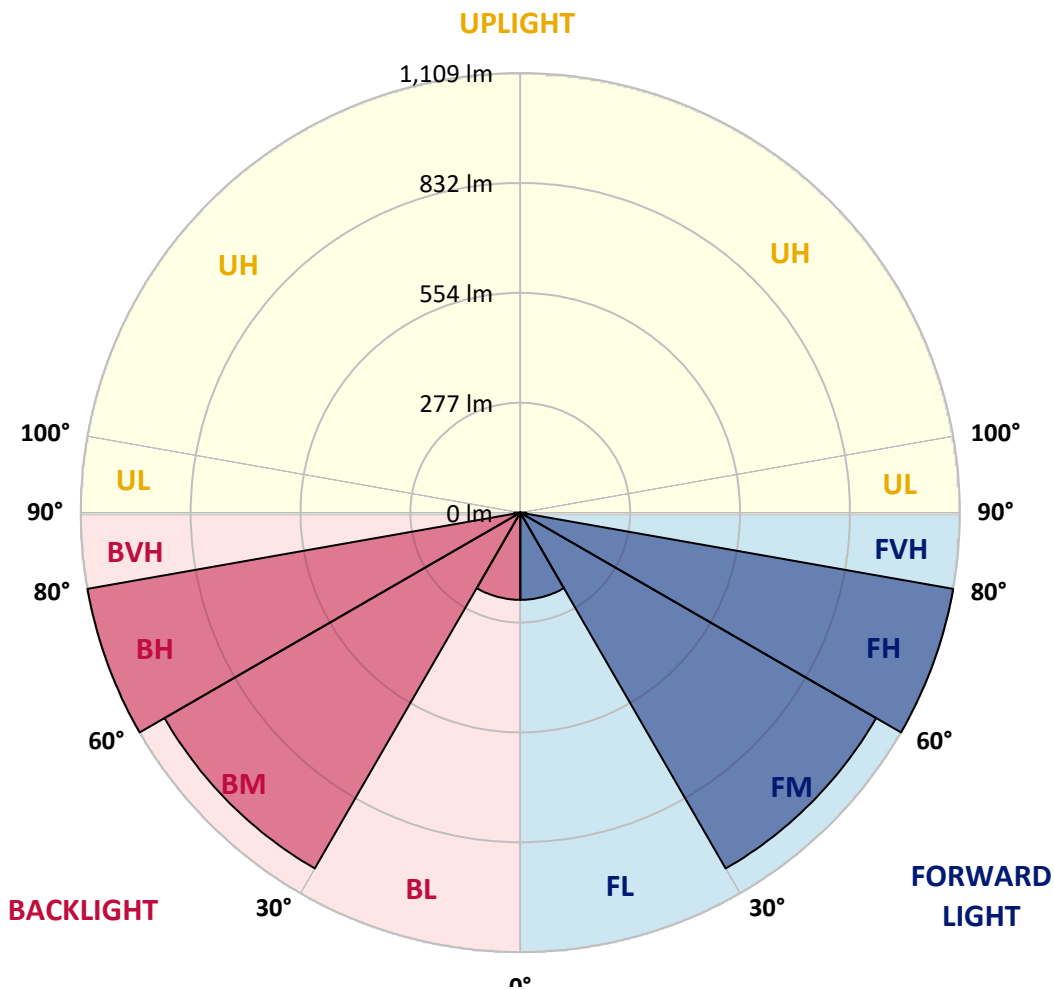
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.0	4.6			
FM (30°-60°)	1036.7	21.8			
FH (60°-80°)	1108.9	23.3			G1/1800
FVH (80°-90°)	15.4	0.3			G1/100
BL (0°-30°)	220.0	4.6	B1/500		
BM (30°-60°)	1036.7	21.8	B2/2500		
BH (60°-80°)	1108.9	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.4	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1
2.5°	519.3	518.8	519.9	519.8	518.8	519.0	519.0	519.5	519.5	519.1	519.1
5°	517.4	517.1	518.4	518.4	517.4	517.7	518.0	518.5	518.4	518.0	517.9
7.5°	515.0	514.9	516.1	516.1	515.5	515.8	515.5	515.7	515.4	515.0	514.6
10°	511.1	511.4	512.5	512.8	512.8	513.0	512.7	511.9	511.4	510.9	510.5
12.5°	507.5	507.3	508.9	509.7	510.9	512.4	511.4	509.2	508.3	507.3	507.0
15°	505.1	505.3	506.8	508.3	510.5	513.5	512.4	508.9	507.0	505.9	505.6
17.5°	504.6	505.0	507.0	509.5	511.9	515.2	514.6	511.1	507.9	505.9	505.4
20°	505.7	505.9	509.1	512.7	516.8	519.9	518.5	514.7	510.5	507.3	506.5
22.5°	507.8	508.4	512.4	518.0	524.3	528.6	526.9	520.4	513.8	509.8	508.7
25°	514.3	514.4	519.8	527.5	535.1	539.9	537.9	528.8	520.2	515.8	514.4
27.5°	527.6	528.1	533.5	542.5	548.9	552.1	550.8	543.4	536.2	531.4	531.9
30°	547.0	547.7	553.7	563.6	567.5	568.3	568.0	564.5	557.9	551.6	552.1
32.5°	570.7	571.0	579.0	588.0	591.2	591.8	591.2	588.0	580.1	571.6	572.1
35°	601.1	602.0	609.8	618.4	620.9	622.2	621.1	617.0	608.8	600.5	600.1
37.5°	638.6	638.8	646.8	655.8	658.9	659.2	658.0	655.3	645.1	637.5	637.0
40°	682.1	682.7	692.2	701.8	703.1	701.6	703.4	701.8	691.2	682.6	684.0
42.5°	735.1	736.5	747.8	757.3	753.6	752.9	754.0	754.4	745.9	735.4	734.4
45°	796.7	797.9	812.1	819.7	817.3	812.1	814.3	818.1	806.3	793.2	794.5
47.5°	867.0	870.1	885.2	892.3	886.5	879.4	883.7	889.3	875.5	859.2	858.5
50°	945.1	949.1	969.2	979.2	973.3	960.3	967.4	971.1	951.1	930.2	928.4
52.5°	1028.5	1032.4	1057.8	1078.3	1074.5	1054.2	1064.1	1060.2	1037.2	1009.0	1006.8
55°	1122.9	1124.5	1151.9	1185.0	1188.8	1173.8	1173.2	1166.7	1132.7	1100.1	1098.5
57.5°	1220.0	1221.1	1256.6	1295.6	1313.4	1313.4	1295.8	1282.1	1236.9	1199.0	1195.1
60°	1324.8	1328.7	1368.0	1421.1	1462.7	1475.0	1443.8	1406.4	1357.3	1311.1	1306.5
62.5°	1418.1	1422.7	1482.7	1561.8	1628.7	1673.4	1597.1	1536.3	1446.8	1372.7	1364.0
65°	1429.9	1442.2	1529.7	1672.9	1822.5	1911.9	1765.6	1615.7	1452.6	1349.7	1340.9
67.5°	1305.9	1326.7	1444.9	1667.9	1977.0	2168.8	1873.2	1570.3	1348.0	1234.2	1224.4
70°	1003.4	1033.7	1170.0	1458.9	1950.3	2251.5	1805.8	1374.8	1123.9	1001.4	987.7
72.5°	550.5	563.0	685.6	999.0	1563.6	1913.3	1506.2	1016.5	745.3	606.5	583.4
75°	174.6	179.0	241.4	408.8	884.5	1267.3	956.8	499.0	274.7	202.5	200.2
77.5°	77.5	78.0	87.3	119.3	304.6	642.1	366.0	135.9	93.6	81.8	84.5
80°	49.0	49.0	54.1	59.1	82.9	186.4	99.0	64.6	55.2	51.2	52.3
82.5°	23.5	26.0	35.1	37.8	45.5	62.7	50.7	42.2	36.9	27.4	25.5
85°	15.4	12.9	22.2	25.1	26.5	30.1	29.5	27.9	24.1	13.7	15.3
87.5°	6.9	6.6	11.5	10.6	9.9	7.6	11.3	14.0	13.6	6.8	6.8
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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