

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: P385708

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385708
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-SA1B-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6038.4 lumens
Efficiency: N/A
Efficacy: 137.2 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

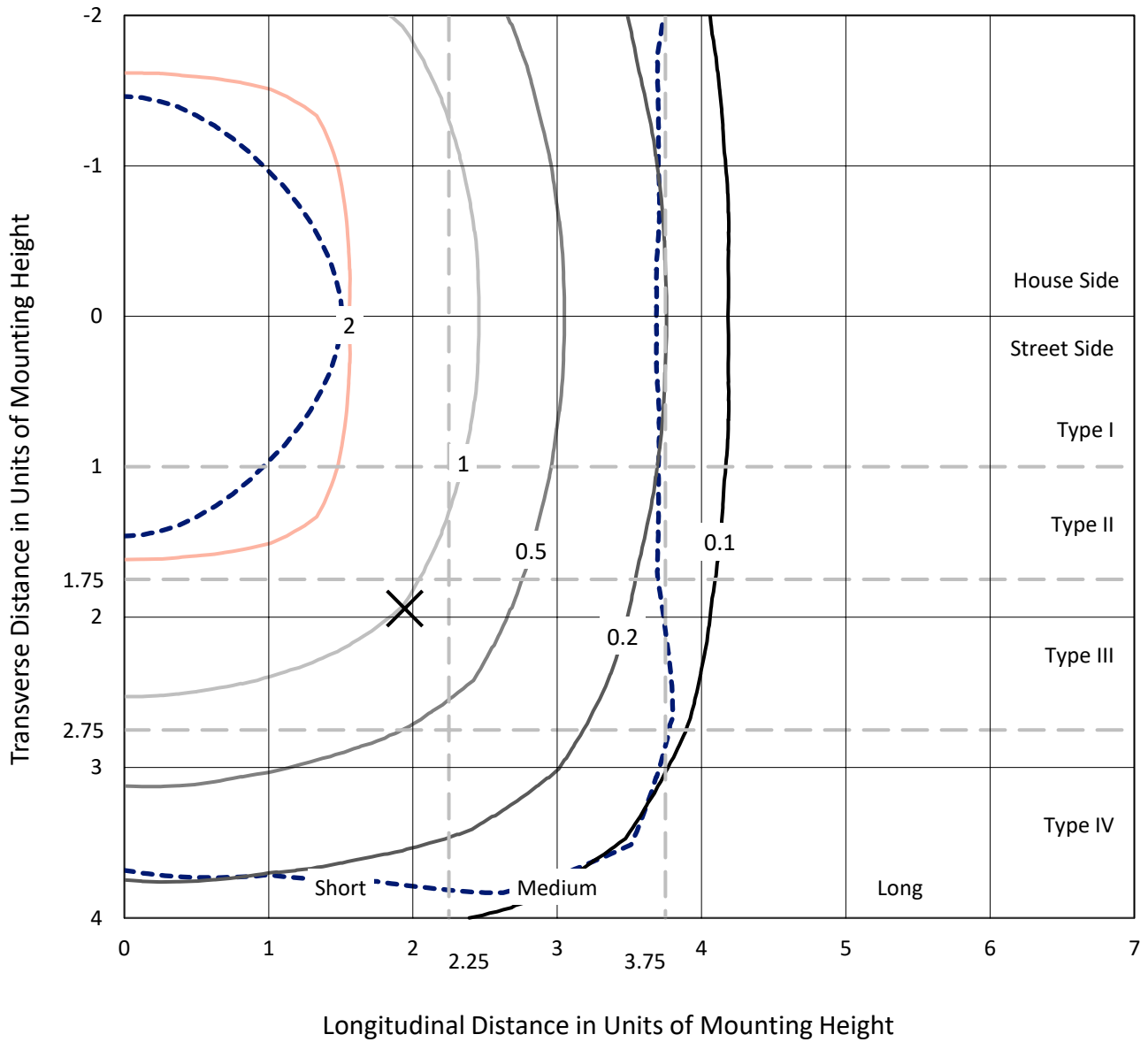
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

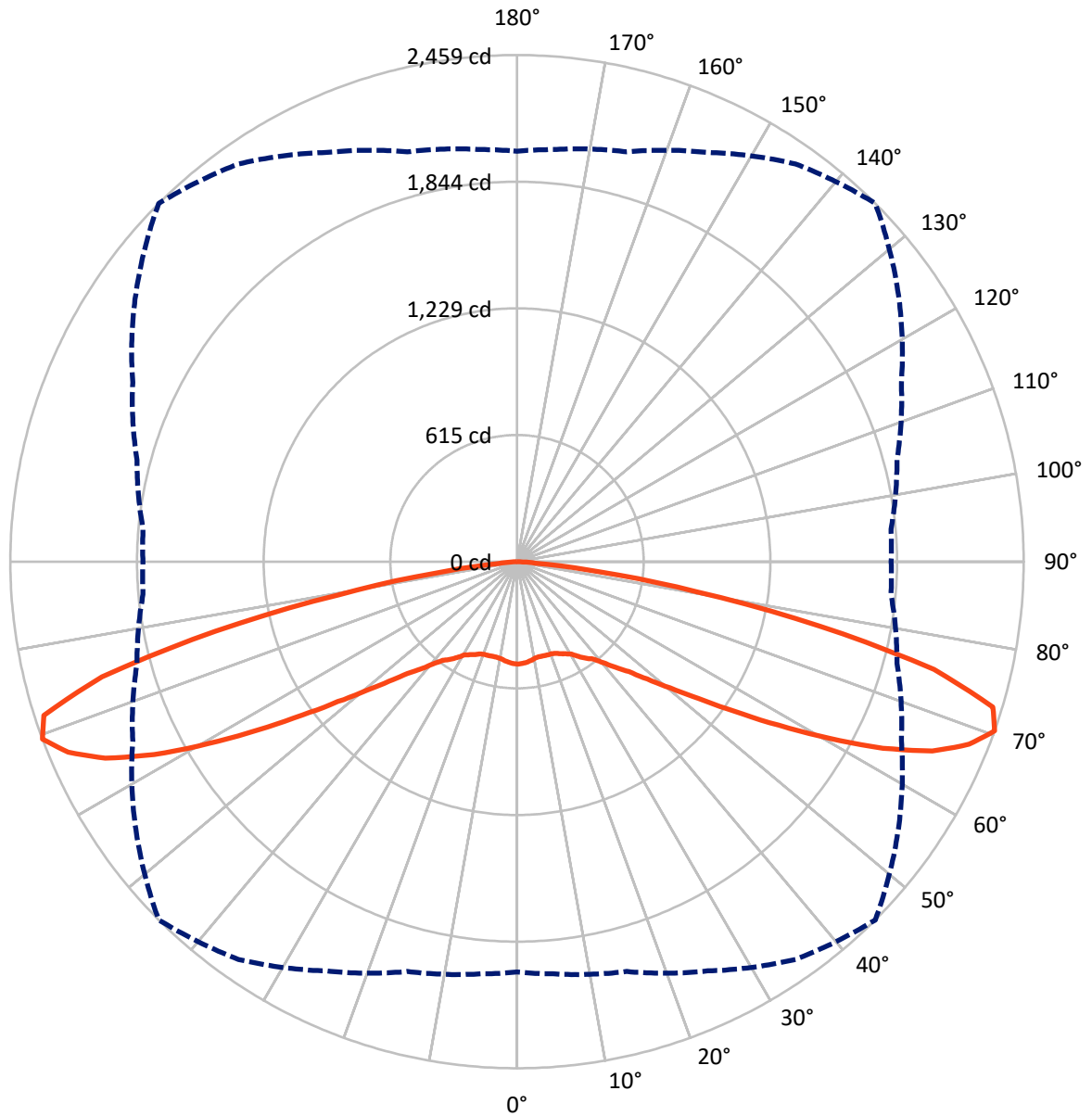
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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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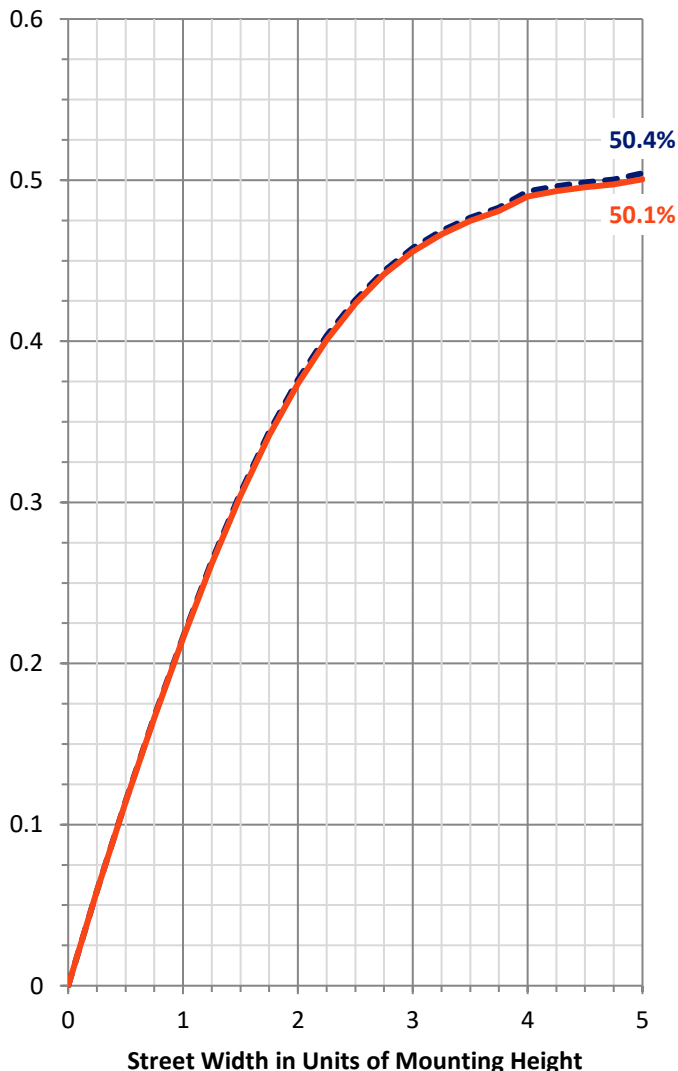
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3019.2	0.0	3019.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3019.2	0.0	3019.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6038.4	0.0	6038.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.8
10°-20°	135.5	2.2
20°-30°	231.0	3.8
30°-40°	360.9	6.0
40°-50°	611.7	10.1
50°-60°	1115.5	18.5
60°-70°	1920.4	31.8
70°-80°	1505.3	24.9
80°-90°	111.6	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°	6038.4	100.0
0°-180°	6038.4	100.0



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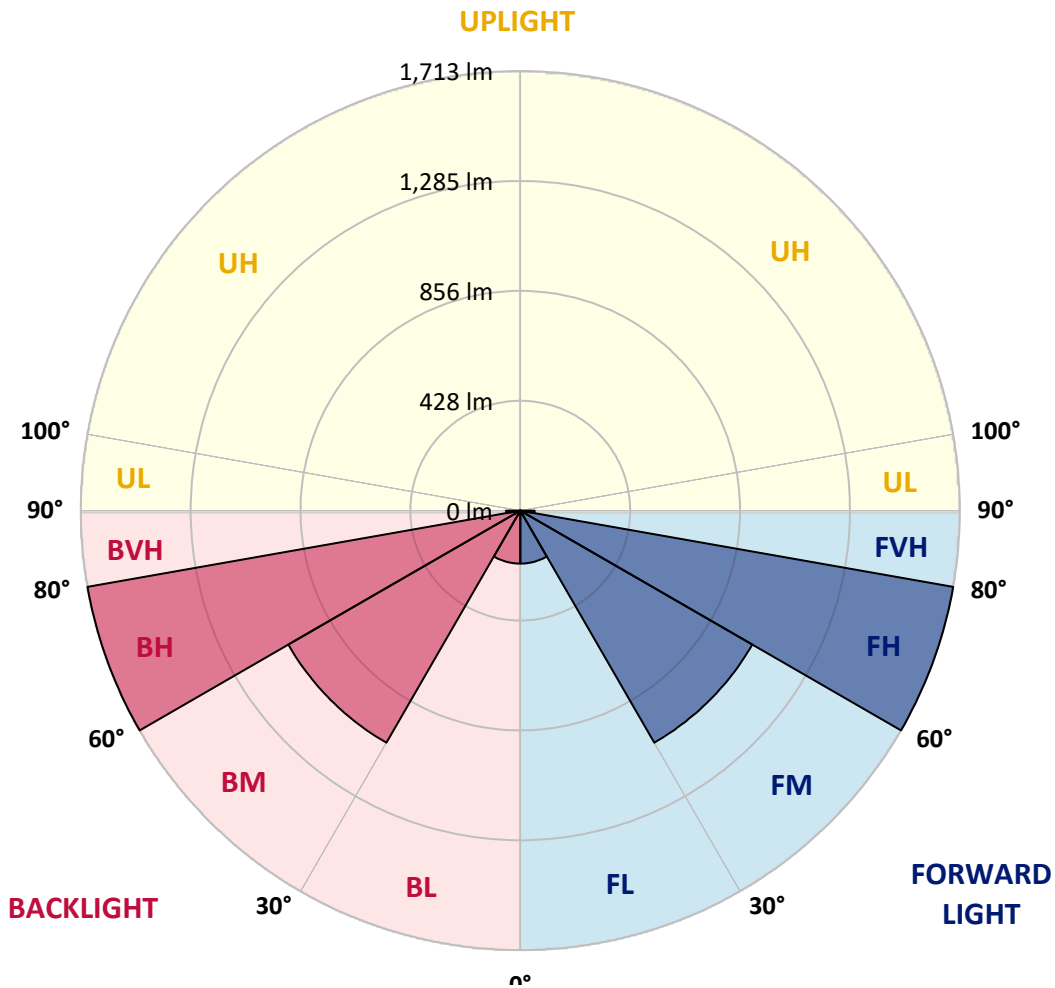
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.4	3.4			
FM (30°-60°)	1044.1	17.3			
FH (60°-80°)	1712.9	28.4			G1/1800
FVH (80°-90°)	55.8	0.9			G1/100
BL (0°-30°)	206.4	3.4	B1/500		
BM (30°-60°)	1044.1	17.3	B2/2500		
BH (60°-80°)	1712.9	28.4	B3/2500		G1/1800
BVH (80°-90°)	55.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	494.8	495.3	494.8	495.2	494.1	494.6	494.6	494.6	494.4	494.6	494.1
5°	490.4	490.7	490.0	490.4	489.8	490.4	490.6	490.4	490.0	490.2	489.3
7.5°	483.8	484.2	483.6	484.2	483.4	484.4	484.2	483.6	482.9	482.9	482.2
10°	480.2	480.4	478.8	478.2	476.4	476.7	477.4	478.0	478.6	479.7	479.6
12.5°	480.4	480.4	478.0	475.4	472.8	473.4	474.4	476.6	479.0	481.2	481.3
15°	482.4	482.2	478.6	474.4	472.6	474.4	475.0	476.4	480.2	484.0	484.2
17.5°	483.8	483.8	478.2	473.4	473.2	476.0	475.8	476.4	480.6	486.1	486.4
20°	486.4	486.4	479.2	474.0	474.0	477.0	477.2	478.2	482.4	488.6	489.6
22.5°	492.1	492.3	484.8	480.6	481.0	482.8	483.4	485.0	488.8	495.5	496.8
25°	500.3	500.8	493.0	490.6	492.0	495.3	495.0	496.2	500.3	507.0	508.1
27.5°	511.8	510.7	503.5	502.6	504.0	506.3	506.1	506.3	509.7	515.7	517.1
30°	526.5	526.2	520.9	521.6	520.9	520.1	520.3	521.9	523.7	528.5	529.9
32.5°	540.9	541.3	538.1	541.1	545.5	548.5	543.9	539.5	537.5	540.2	541.3
35°	566.8	567.9	562.9	560.9	566.8	575.7	562.7	555.5	559.5	562.9	563.9
37.5°	611.0	611.6	603.2	595.2	590.9	599.2	586.3	586.8	600.8	607.2	607.0
40°	661.3	661.5	656.0	648.9	641.4	643.4	638.2	639.8	648.9	654.8	656.4
42.5°	721.3	720.7	711.9	701.9	699.7	701.7	692.9	691.7	702.3	712.7	712.9
45°	799.0	797.5	786.2	775.2	764.7	760.3	758.0	763.8	778.4	788.0	788.2
47.5°	882.7	878.9	872.9	864.1	854.9	850.5	847.0	849.7	860.3	864.1	864.5
50°	968.8	969.5	970.8	967.4	964.0	962.6	953.2	947.8	950.9	944.0	943.0
52.5°	1070.8	1072.4	1084.0	1093.8	1099.6	1102.6	1084.8	1066.2	1055.9	1042.3	1038.3
55°	1191.2	1193.9	1210.9	1238.0	1266.0	1280.8	1248.6	1213.9	1181.7	1156.3	1148.1
57.5°	1325.5	1330.1	1353.5	1405.6	1462.9	1497.9	1443.6	1380.4	1318.3	1281.8	1275.3
60°	1482.9	1487.2	1519.7	1594.3	1687.2	1739.8	1657.5	1554.2	1476.9	1442.0	1430.1
62.5°	1670.2	1670.6	1710.4	1797.7	1920.3	1993.5	1882.0	1744.0	1664.2	1622.1	1610.8
65°	1871.8	1872.8	1913.9	2008.2	2135.1	2214.5	2088.7	1944.9	1847.4	1785.3	1776.5
67.5°	2014.2	2018.4	2061.8	2175.2	2293.9	2365.6	2235.4	2072.8	1960.0	1886.0	1878.6
70°	1991.4	2007.9	2058.8	2191.2	2356.2	2458.5	2259.1	2057.6	1908.9	1821.5	1815.3
72.5°	1736.8	1768.1	1836.0	2009.8	2273.7	2414.5	2129.5	1842.8	1674.7	1600.2	1589.0
75°	1182.7	1233.6	1336.1	1586.7	1942.5	2090.5	1792.7	1469.3	1311.1	1208.1	1200.5
77.5°	527.3	538.9	668.8	957.3	1340.5	1501.2	1302.6	961.2	721.5	575.5	544.7
80°	147.0	148.8	198.6	356.5	670.9	882.1	720.2	374.5	210.5	148.4	139.8
82.5°	46.8	50.7	61.9	92.4	225.5	402.5	231.5	99.9	71.1	56.7	51.1
85°	22.7	22.5	31.4	37.6	57.5	89.1	61.3	46.3	40.6	27.0	24.3
87.5°	9.6	9.8	14.6	13.2	16.8	14.4	19.8	20.8	21.8	12.0	10.4
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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