

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: P385902

Luminaire Tested: **GWC-SA1C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385902
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-SA1C-730-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7226 lumens
Efficiency: N/A
Efficacy: 122.5 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

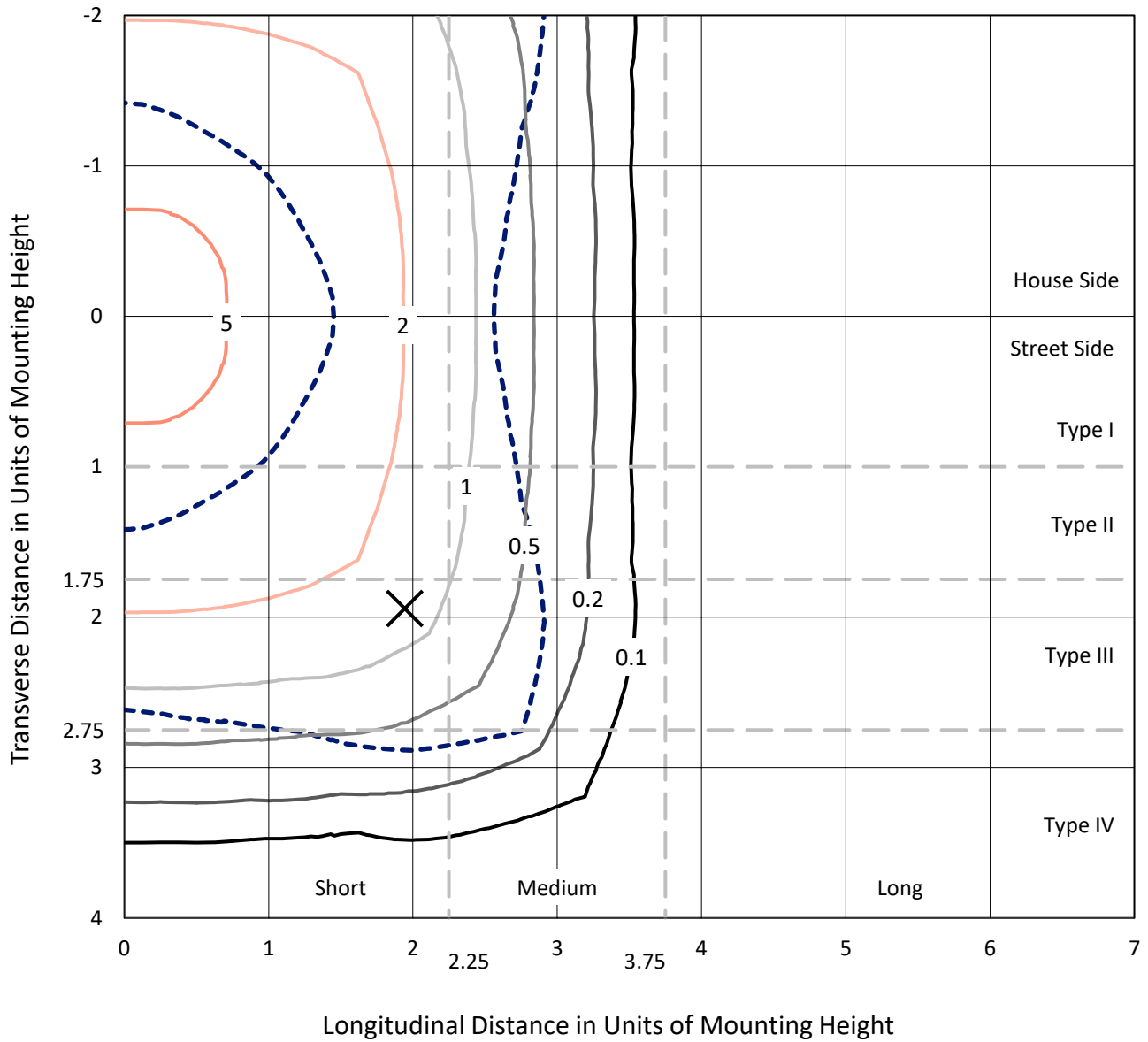
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

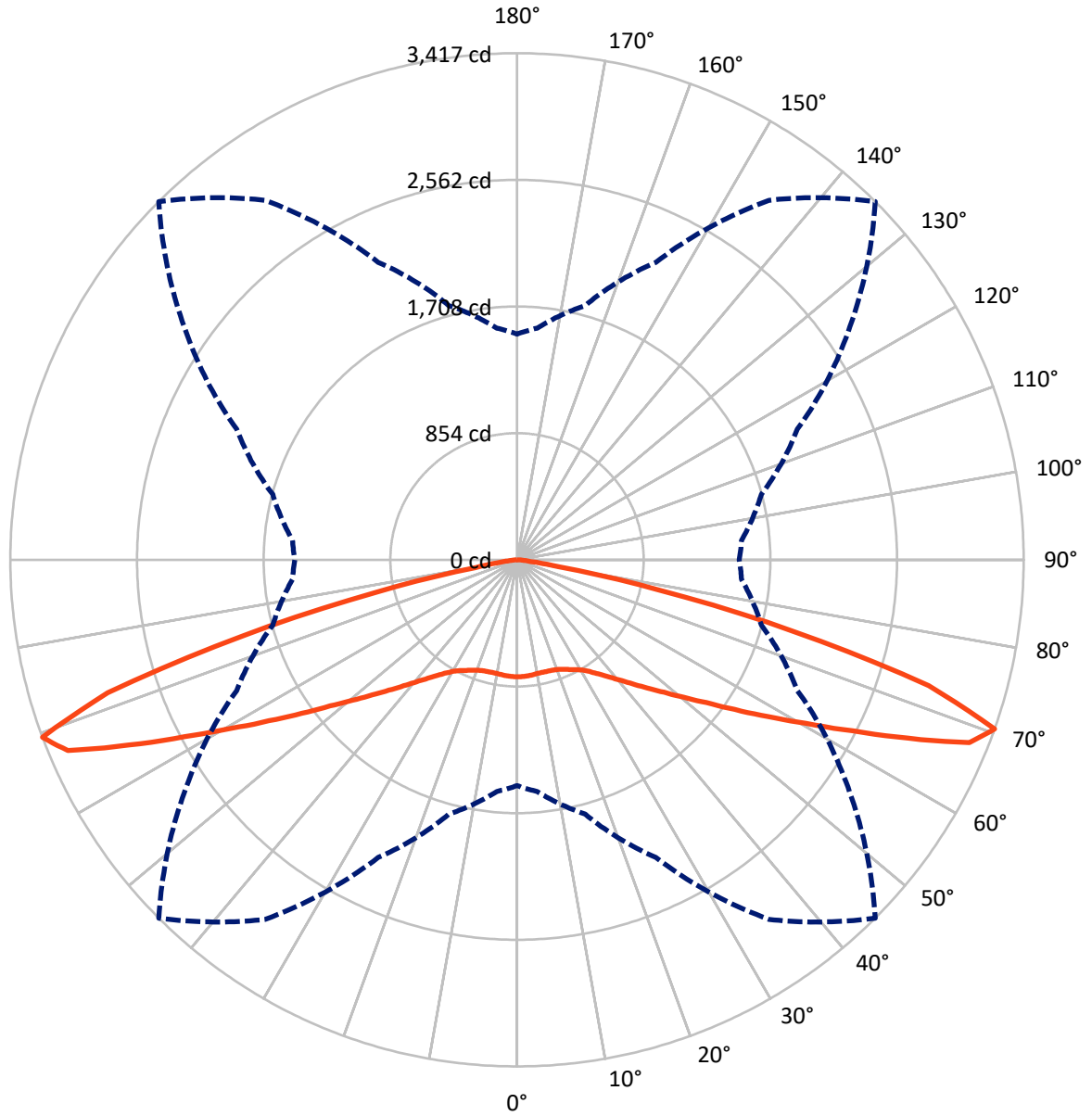
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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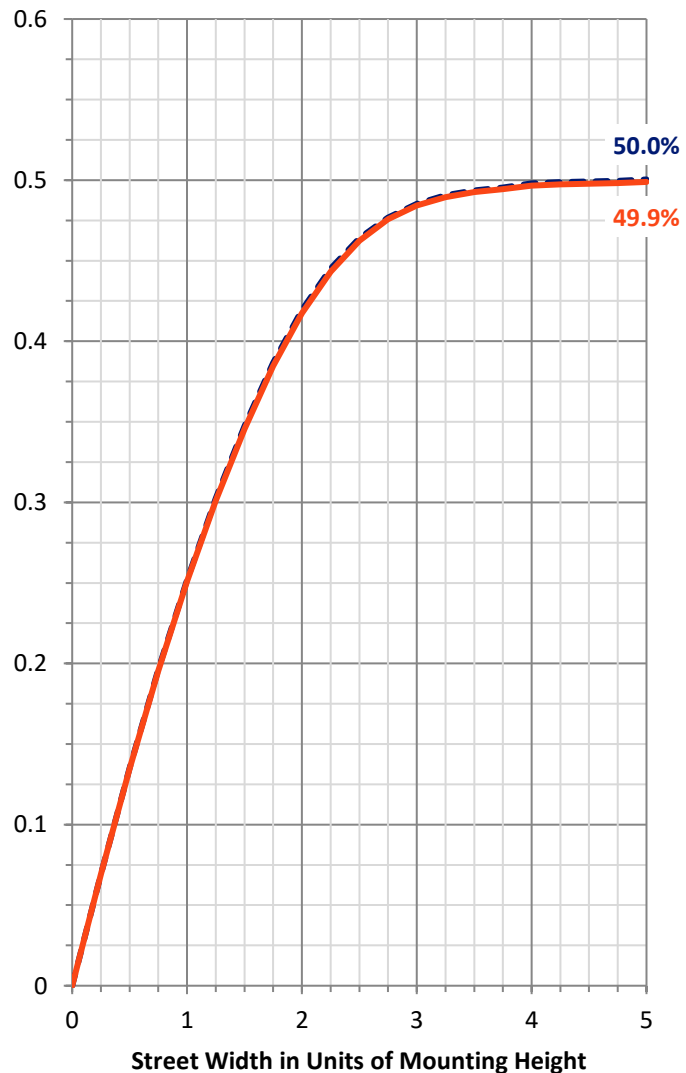
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3613.0	0.0	3613.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3613.0	0.0	3613.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7226.0	0.0	7226.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.0
10°-20°	219.4	3.0
20°-30°	373.5	5.2
30°-40°	592.4	8.2
40°-50°	964.1	13.3
50°-60°	1589.6	22.0
60°-70°	2333.6	32.3
70°-80°	1031.9	14.3
80°-90°	46.7	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°	7226.0	100.0
0°-180°	7226.0	100.0



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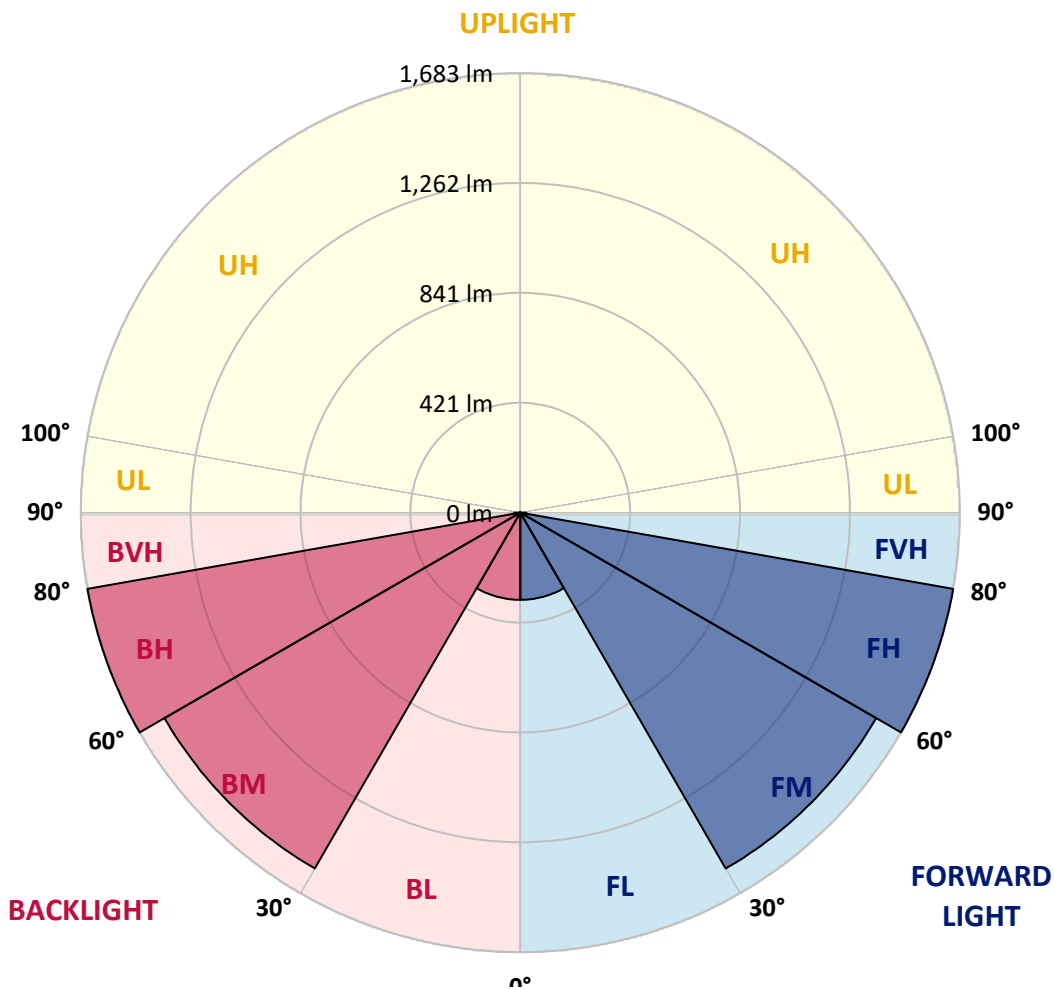
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.9	4.6			
FM (30°-60°)	1573.0	21.8			
FH (60°-80°)	1682.7	23.3			G1/1800
FVH (80°-90°)	23.4	0.3			G1/100
BL (0°-30°)	333.9	4.6	B1/500		
BM (30°-60°)	1573.0	21.8	B2/2500		
BH (60°-80°)	1682.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	23.4	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°	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2
2.5°	788.0	787.3	789.0	788.7	787.3	787.5	787.5	788.2	788.2	787.8	787.8
5°	785.1	784.6	786.6	786.6	785.1	785.6	786.1	786.8	786.6	786.1	785.8
7.5°	781.5	781.3	783.2	783.2	782.3	782.7	782.3	782.5	782.0	781.5	780.8
10°	775.6	776.0	777.7	778.2	778.2	778.4	778.0	776.8	776.0	775.3	774.6
12.5°	770.1	769.8	772.2	773.4	775.3	777.5	776.0	772.7	771.3	769.8	769.3
15°	766.5	766.7	769.1	771.3	774.6	779.1	777.5	772.2	769.3	767.7	767.2
17.5°	765.8	766.2	769.3	773.2	776.8	781.8	780.8	775.6	770.8	767.7	767.0
20°	767.4	767.7	772.5	778.0	784.2	789.0	786.8	781.1	774.6	769.8	768.6
22.5°	770.5	771.5	777.5	786.1	795.6	802.1	799.5	789.7	779.6	773.6	772.0
25°	780.3	780.6	788.7	800.4	811.9	819.3	816.2	802.3	789.4	782.7	780.6
27.5°	800.7	801.4	809.5	823.2	833.0	837.7	835.8	824.6	813.6	806.4	807.1
30°	830.1	831.0	840.1	855.2	861.2	862.4	861.9	856.6	846.6	837.0	837.7
32.5°	866.0	866.4	878.6	892.3	897.0	898.0	897.0	892.3	880.3	867.4	868.1
35°	912.1	913.5	925.3	938.4	942.2	944.2	942.5	936.3	923.8	911.2	910.7
37.5°	969.0	969.3	981.5	995.1	999.9	1000.4	998.4	994.4	978.8	967.4	966.6
40°	1035.0	1036.0	1050.3	1064.9	1066.8	1064.7	1067.3	1064.9	1048.9	1035.8	1037.9
42.5°	1115.4	1117.5	1134.8	1149.1	1143.6	1142.4	1144.1	1144.8	1131.9	1115.9	1114.4
45°	1208.9	1210.8	1232.3	1243.8	1240.2	1232.3	1235.7	1241.4	1223.5	1203.6	1205.6
47.5°	1315.6	1320.3	1343.3	1354.1	1345.2	1334.5	1340.9	1349.5	1328.5	1303.8	1302.6
50°	1434.2	1440.2	1470.8	1485.8	1477.0	1457.1	1467.9	1473.6	1443.3	1411.5	1408.8
52.5°	1560.7	1566.7	1605.2	1636.3	1630.5	1599.7	1614.7	1608.8	1573.8	1531.0	1527.7
55°	1703.9	1706.3	1747.9	1798.2	1803.9	1781.2	1780.2	1770.4	1718.8	1669.3	1666.9
57.5°	1851.3	1852.9	1906.7	1966.0	1993.1	1993.1	1966.3	1945.5	1876.8	1819.4	1813.5
60°	2010.3	2016.3	2075.8	2156.4	2219.5	2238.2	2190.8	2134.2	2059.6	1989.5	1982.5
62.5°	2151.9	2158.8	2249.9	2370.0	2471.4	2539.3	2423.5	2331.2	2195.4	2083.0	2069.8
65°	2169.8	2188.5	2321.2	2538.6	2765.5	2901.1	2679.2	2451.8	2204.2	2048.1	2034.7
67.5°	1981.6	2013.2	2192.5	2530.9	2999.9	3290.9	2842.5	2382.9	2045.4	1872.8	1857.9
70°	1522.7	1568.6	1775.4	2213.8	2959.5	3416.5	2740.2	2086.1	1705.4	1519.6	1498.7
72.5°	835.3	854.2	1040.3	1516.0	2372.6	2903.3	2285.5	1542.5	1130.9	920.2	885.3
75°	265.0	271.7	366.4	620.4	1342.1	1923.0	1451.9	757.1	416.8	307.3	303.7
77.5°	117.7	118.4	132.5	181.0	462.3	974.3	555.3	206.1	142.1	124.1	128.2
80°	74.4	74.4	82.0	89.7	125.8	282.9	150.2	98.1	83.7	77.7	79.4
82.5°	35.6	39.5	53.3	57.4	69.1	95.2	77.0	64.1	56.0	41.6	38.7
85°	23.4	19.6	33.7	38.0	40.2	45.7	44.7	42.3	36.6	20.8	23.2
87.5°	10.5	10.0	17.5	16.0	15.1	11.5	17.2	21.3	20.6	10.3	10.3
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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