

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632075

Luminaire Tested: GWS-SA2C-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7060 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

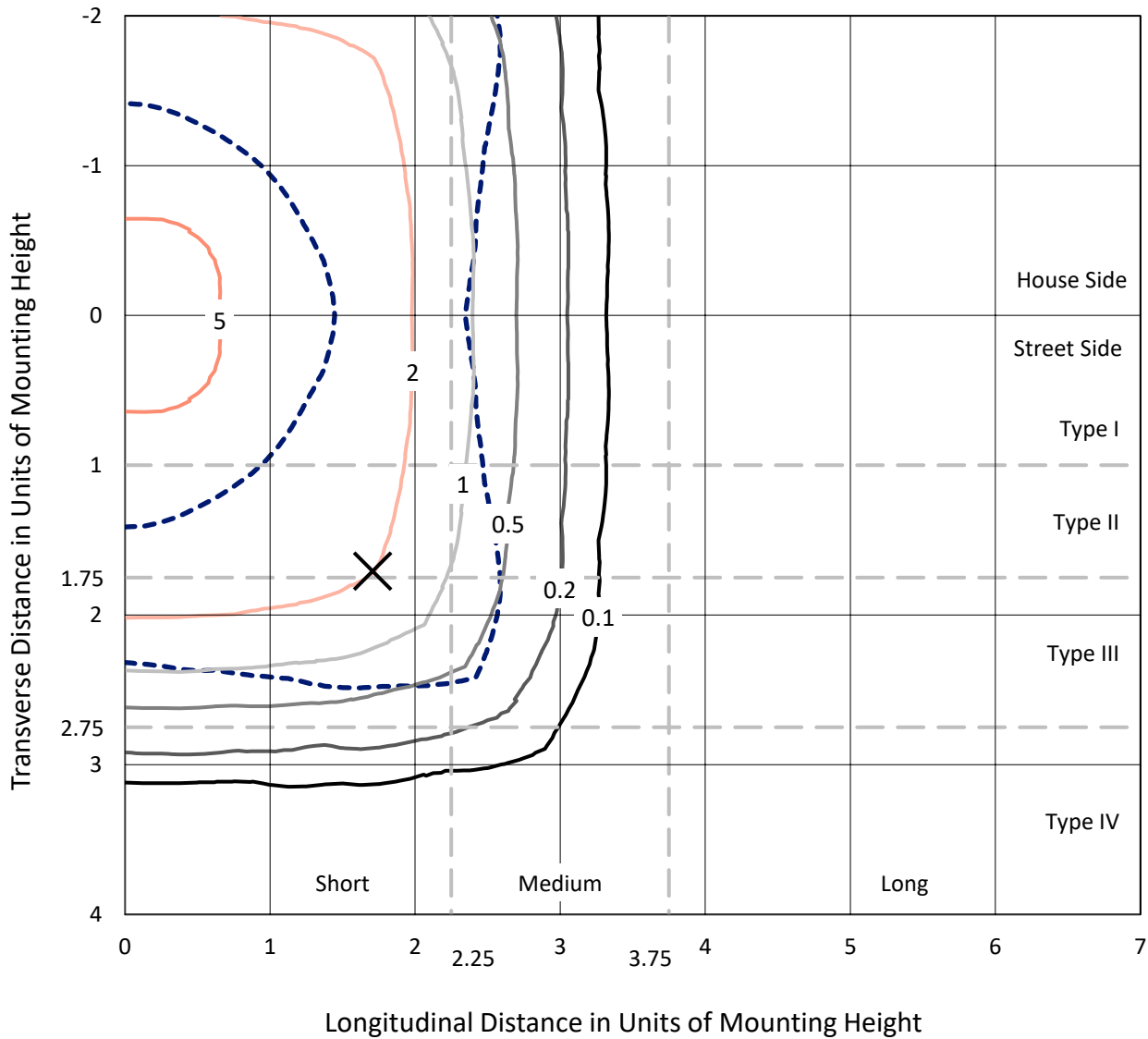
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

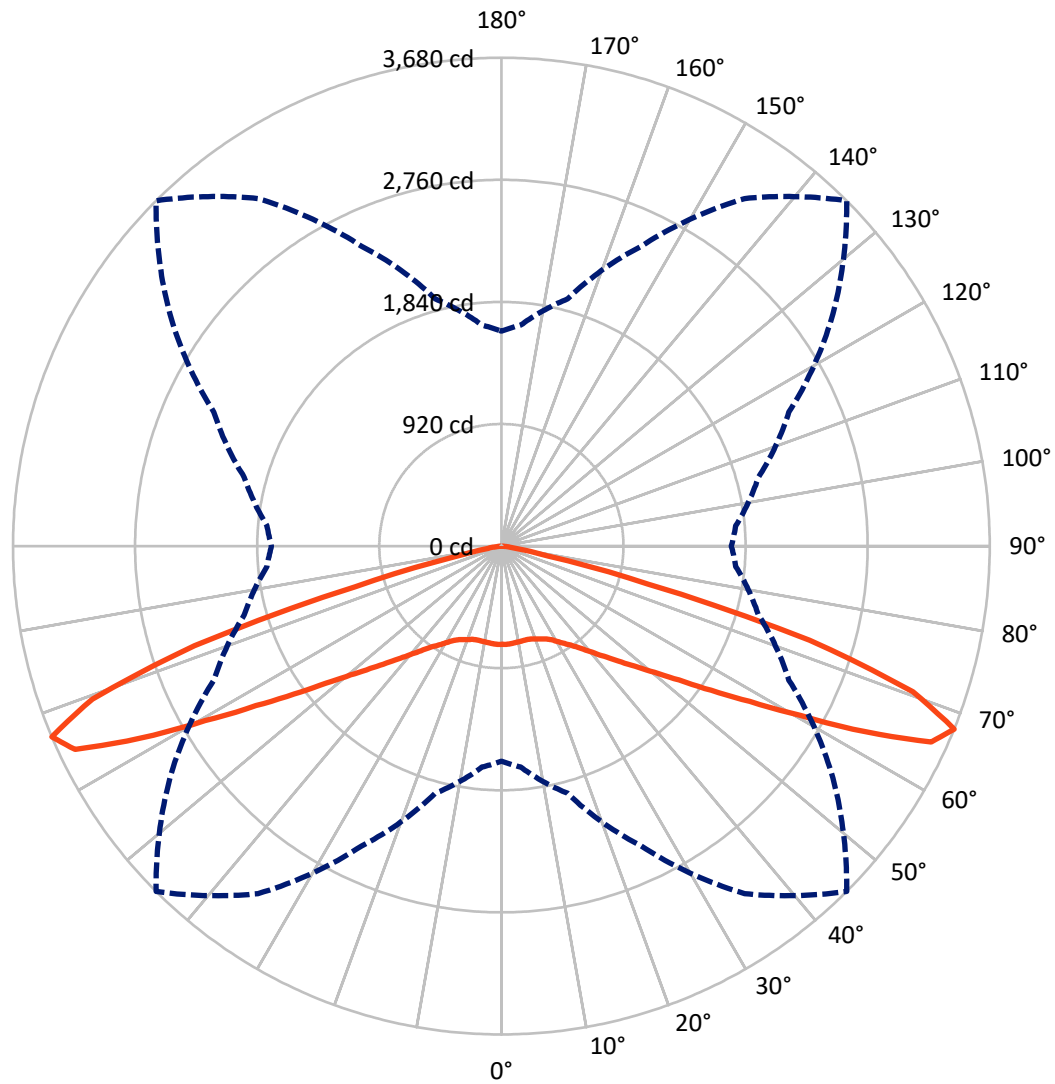
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3530.0	0.0	3530.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3530.0	0.0	3530.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7060.0	0.0	7060.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	1.0
10°-20°	205.5	2.9
20°-30°	354.5	5.0
30°-40°	576.4	8.2
40°-50°	970.6	13.7
50°-60°	1719.7	24.4
60°-70°	2458.2	34.8
70°-80°	674.7	9.6
80°-90°	30.2	0.4
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°	7060.0	100.0
0°-180°	7060.0	100.0

Coefficient of Utilization



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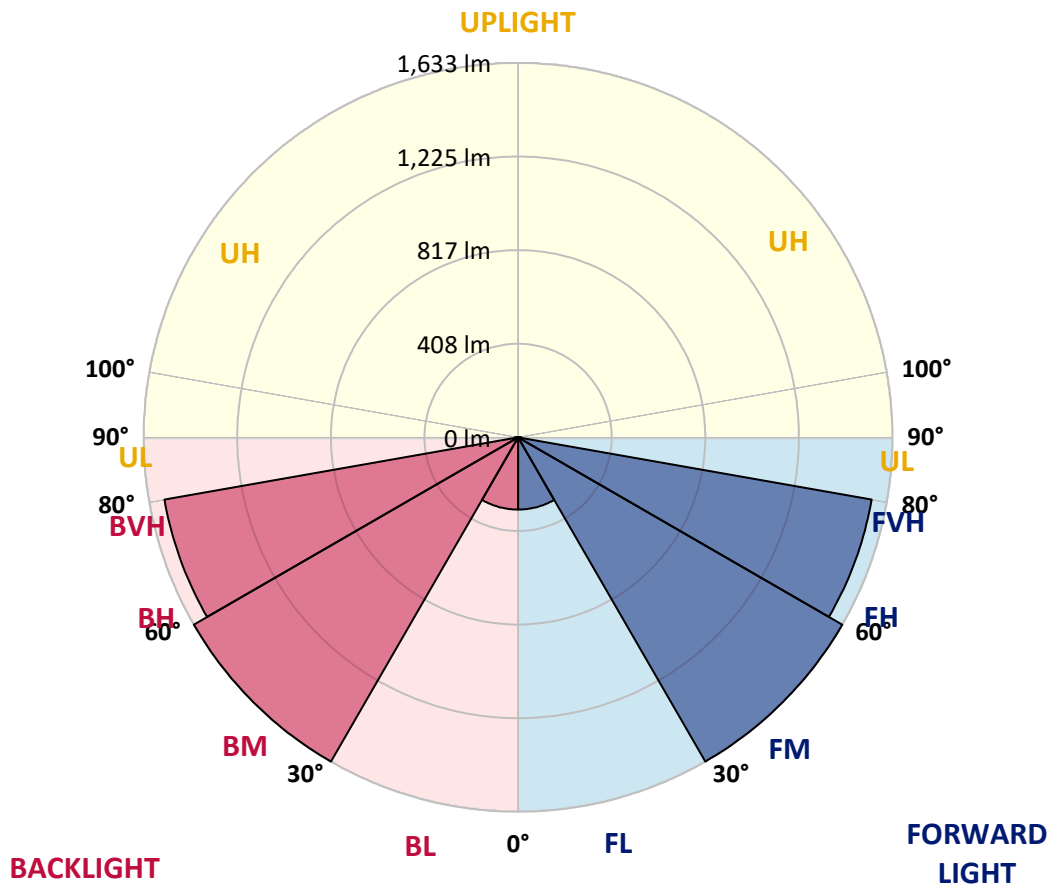
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.0	4.5			
FM (30°-60°)	1633.4	23.1			
FH (60°-80°)	1566.5	22.2			G1/1800
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	315.0	4.5	B1/500		
BM (30°-60°)	1633.4	23.1	B2/2500		
BH (60°-80°)	1566.5	22.2	B3/2500		G1/1800
BVH (80°-90°)	15.1	0.2			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°	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4
2.5°	734.5	734.0	736.5	737.9	737.5	740.9	740.4	739.4	739.4	737.9	741.9
5°	734.5	734.0	736.0	736.5	735.5	738.4	737.5	736.5	736.5	734.5	737.9
7.5°	730.6	731.1	732.6	733.5	732.6	735.0	733.5	731.6	731.1	729.1	732.6
10°	723.3	723.8	725.2	727.7	728.2	732.6	730.1	726.7	725.2	723.3	726.7
12.5°	718.9	719.4	720.8	723.8	724.7	730.6	728.2	722.8	720.4	718.4	721.8
15°	717.9	718.4	720.4	723.3	724.7	730.6	728.2	721.8	718.4	716.0	718.9
17.5°	717.9	718.9	721.8	726.2	729.1	735.0	732.1	724.7	719.9	715.5	718.4
20°	718.4	719.9	724.3	730.6	737.9	746.3	742.3	732.6	725.7	720.4	722.3
22.5°	722.8	725.2	730.6	738.9	749.7	759.4	756.0	742.8	733.1	725.7	727.7
25°	737.9	738.9	745.8	756.5	766.8	775.1	771.7	759.4	747.2	738.4	740.9
27.5°	764.8	767.3	773.1	784.4	793.2	797.6	797.1	788.8	776.6	768.7	770.7
30°	797.1	799.5	807.3	820.0	828.8	833.7	832.3	825.9	814.7	803.9	805.9
32.5°	834.7	835.7	845.0	859.1	868.4	875.8	870.9	864.0	849.9	837.2	838.1
35°	882.6	884.1	893.8	907.0	914.4	920.2	919.3	912.4	897.3	883.6	887.0
37.5°	942.7	943.7	952.5	969.1	975.0	979.4	980.3	976.9	961.3	943.7	947.1
40°	1017.5	1018.0	1027.7	1042.4	1048.8	1051.7	1052.2	1052.7	1036.5	1023.3	1022.4
42.5°	1104.5	1106.9	1120.6	1134.8	1137.7	1136.2	1141.1	1146.0	1130.4	1112.3	1113.8
45°	1208.6	1210.0	1228.6	1244.2	1238.9	1234.0	1243.3	1253.0	1238.9	1215.4	1208.6
47.5°	1331.7	1334.7	1354.7	1370.3	1361.5	1352.7	1367.9	1378.1	1355.2	1330.3	1323.9
50°	1471.0	1473.0	1501.3	1520.8	1510.6	1494.5	1513.5	1524.3	1493.5	1462.7	1449.0
52.5°	1635.7	1631.8	1669.4	1703.6	1697.3	1676.3	1691.9	1693.9	1647.9	1604.4	1590.7
55°	1836.6	1832.6	1870.3	1907.9	1923.5	1918.2	1910.8	1899.1	1831.2	1784.8	1772.0
57.5°	2070.6	2058.4	2111.2	2162.0	2196.2	2206.0	2174.7	2147.4	2093.6	2036.4	2021.8
60°	2288.1	2287.6	2371.2	2459.2	2553.0	2592.1	2512.9	2438.6	2317.9	2213.8	2192.8
62.5°	2349.2	2359.5	2496.3	2714.3	2945.9	3084.2	2875.5	2629.7	2396.6	2239.7	2211.9
65°	2198.7	2224.1	2418.6	2762.6	3220.1	3558.3	3087.1	2634.1	2309.1	2113.6	2084.3
67.5°	1620.5	1671.4	1928.9	2492.9	3196.6	3679.9	3049.5	2390.3	2005.6	1773.0	1732.5
70°	799.5	847.9	1052.2	1640.1	2630.2	3289.5	2638.5	1801.4	1354.7	1130.9	1093.7
72.5°	294.2	313.7	393.9	701.8	1451.5	2429.8	1804.3	1006.2	656.3	522.4	497.5
75°	144.2	147.6	159.8	235.6	535.6	1143.6	847.9	386.1	241.4	210.1	203.3
77.5°	91.9	93.3	99.2	112.4	172.0	360.2	257.1	152.5	118.3	113.4	113.4
80°	51.3	52.8	60.6	69.9	80.6	123.6	92.4	91.4	77.7	67.9	66.5
82.5°	24.4	26.9	38.6	38.1	42.5	62.1	54.2	49.4	49.8	37.6	35.7
85°	11.2	11.2	15.1	18.1	19.1	21.0	24.9	28.3	27.9	19.1	20.5
87.5°	5.4	5.4	5.4	4.9	4.4	3.9	5.4	8.8	12.7	8.8	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)