

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: P630321

Luminaire Tested: GWS-SA1D-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6147.4 lumens
Efficiency: N/A
Efficacy: 138.8 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

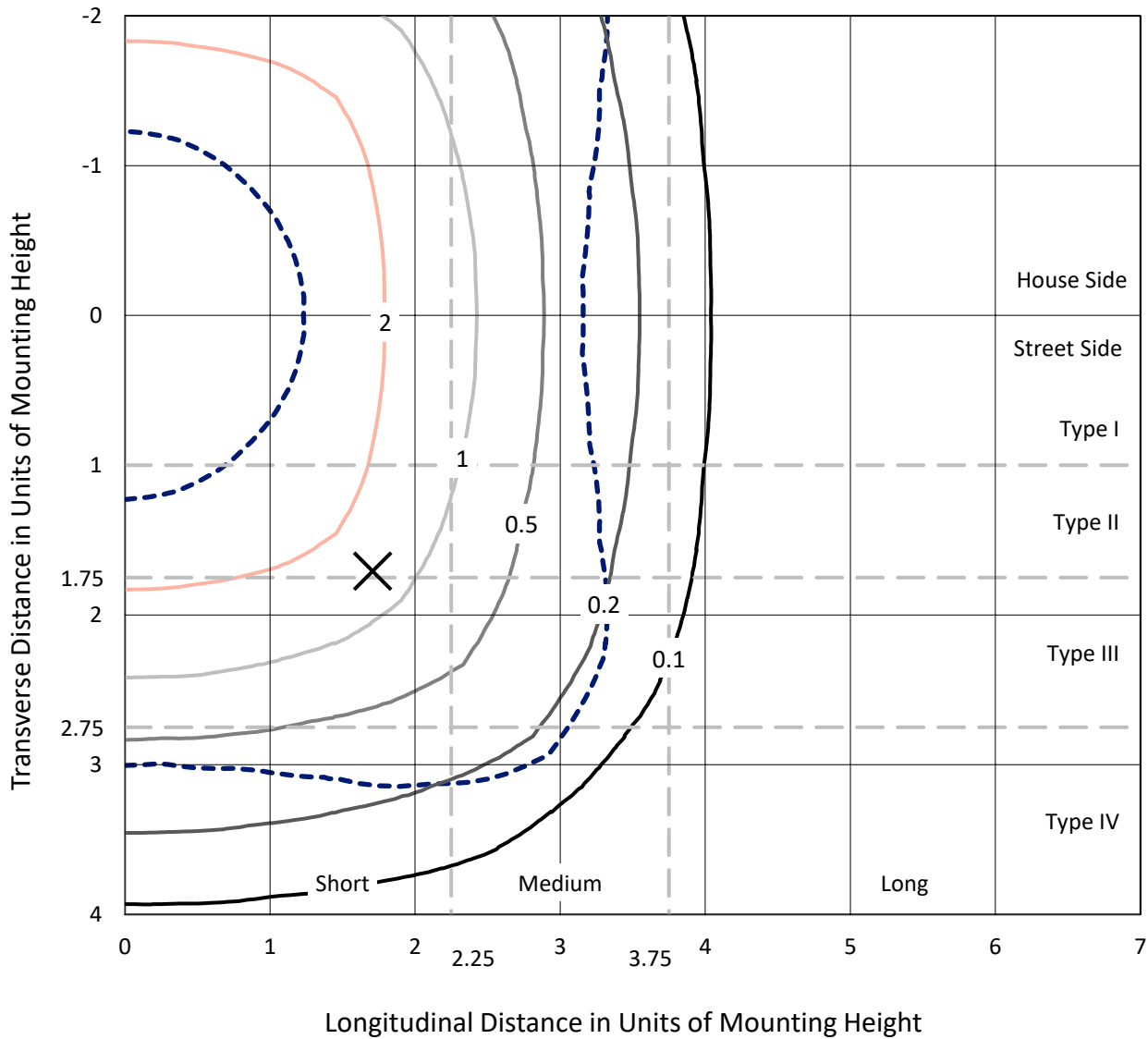
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

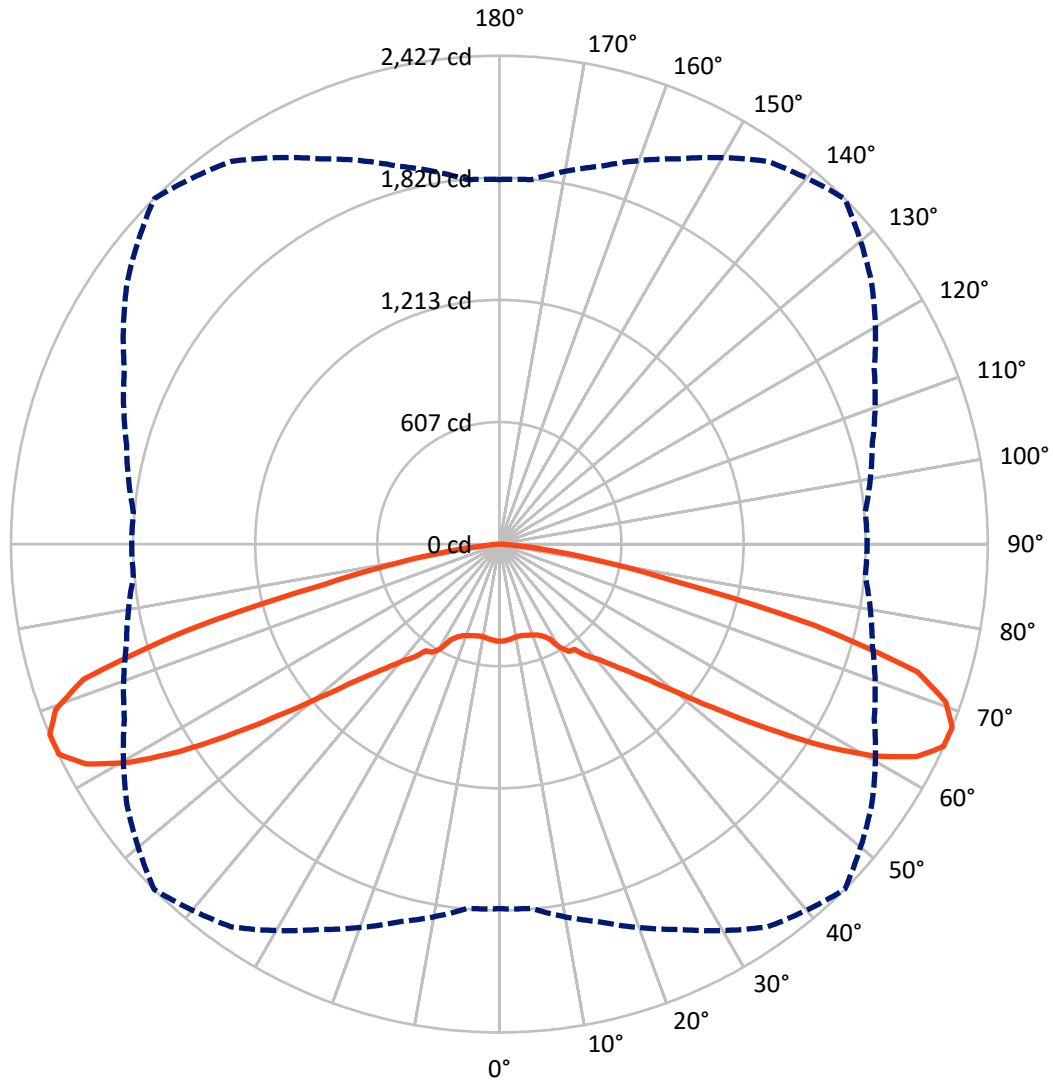
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3073.7	0.0	3073.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3073.7	0.0	3073.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6147.4	0.0	6147.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.7
10°-20°	134.3	2.2
20°-30°	241.0	3.9
30°-40°	407.0	6.6
40°-50°	715.2	11.6
50°-60°	1379.6	22.4
60°-70°	2001.6	32.6
70°-80°	1145.2	18.6
80°-90°	78.2	1.3
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°	6147.4	100.0
0°-180°	6147.4	100.0

Coefficient of Utilization



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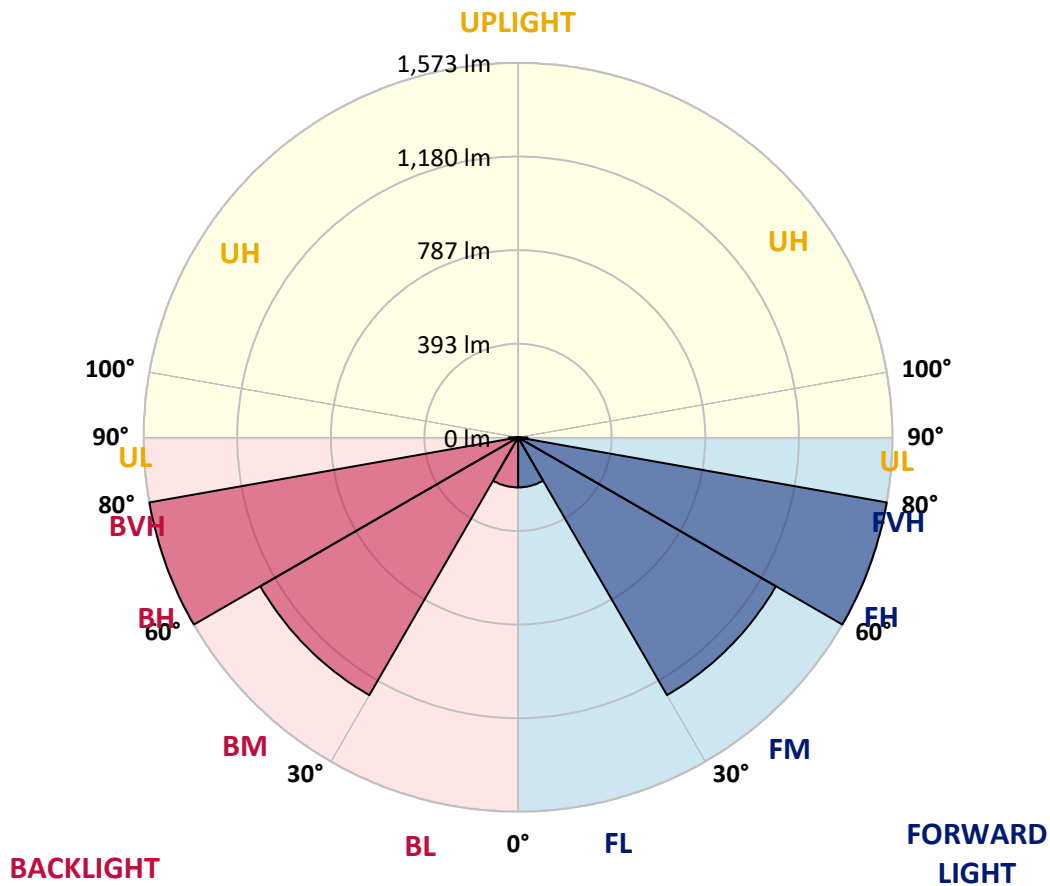
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.3	3.4			
FM (30°-60°)	1250.9	20.3			
FH (60°-80°)	1573.4	25.6			G1/1800
FVH (80°-90°)	39.1	0.6			G1/100
BL (0°-30°)	210.3	3.4	B1/500		
BM (30°-60°)	1250.9	20.3	B2/2500		
BH (60°-80°)	1573.4	25.6	B3/2500		G1/1800
BVH (80°-90°)	39.1	0.6			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°	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1
2.5°	478.2	478.6	479.5	479.5	480.3	481.6	482.1	481.2	481.6	479.5	481.6
5°	476.9	477.3	477.7	476.9	476.9	477.3	477.3	476.4	476.9	474.7	476.9
7.5°	473.8	474.3	474.3	473.0	471.6	472.5	472.5	471.6	472.1	469.9	472.5
10°	471.2	471.2	470.8	468.2	466.9	468.2	468.6	469.0	470.8	469.0	472.1
12.5°	473.0	473.0	471.6	468.2	466.0	466.9	467.7	468.6	471.6	471.2	474.7
15°	477.7	478.2	474.7	470.8	469.5	470.8	469.9	469.5	473.4	474.7	478.6
17.5°	481.6	481.6	477.3	473.4	473.8	476.0	474.3	472.1	476.0	478.6	483.0
20°	485.1	484.7	479.9	477.3	479.0	482.1	480.8	477.7	480.3	483.4	487.3
22.5°	493.8	493.4	488.2	486.9	488.6	491.6	490.3	487.7	490.8	495.1	499.9
25°	518.6	517.7	509.9	505.6	504.7	506.9	506.4	505.6	510.3	515.6	521.2
27.5°	551.6	551.2	545.5	541.2	535.5	533.8	535.1	539.0	546.0	549.9	554.7
30°	568.2	568.2	567.3	574.2	586.4	598.1	589.0	574.2	568.2	566.4	571.2
32.5°	589.9	592.1	589.0	596.8	617.3	634.7	617.3	593.4	589.0	589.0	594.2
35°	639.9	640.7	636.0	634.7	641.2	643.4	635.1	626.4	631.2	632.1	638.6
37.5°	679.9	679.9	677.7	681.2	694.6	702.9	689.4	673.8	675.1	676.0	684.2
40°	741.6	743.3	738.1	737.7	742.9	750.3	735.9	725.9	732.9	735.1	747.7
42.5°	818.5	818.5	810.7	808.5	812.0	819.8	806.4	799.8	809.0	810.7	818.1
45°	910.3	912.4	902.0	898.1	899.8	902.4	892.9	889.8	898.5	902.4	915.5
47.5°	1022.0	1024.2	1015.0	1014.6	1012.8	1014.6	1005.5	1003.7	1010.7	1007.6	1021.5
50°	1159.8	1163.7	1155.9	1166.7	1165.4	1170.6	1158.0	1148.9	1148.9	1140.7	1148.5
52.5°	1314.1	1321.9	1325.8	1344.1	1358.0	1371.0	1350.2	1335.8	1315.0	1298.0	1319.3
55°	1482.3	1480.2	1504.9	1544.9	1585.8	1616.6	1575.8	1530.6	1496.7	1461.5	1469.7
57.5°	1629.7	1637.1	1669.7	1742.7	1823.6	1888.8	1815.3	1728.4	1651.4	1601.0	1608.0
60°	1752.3	1758.4	1801.8	1907.0	2048.3	2138.3	2021.8	1878.3	1766.6	1697.1	1704.5
62.5°	1865.3	1870.9	1914.9	2030.9	2209.1	2326.5	2176.1	1980.1	1855.7	1785.7	1790.1
65°	1930.5	1934.0	1994.0	2116.1	2303.9	2425.2	2255.7	2053.5	1931.4	1860.1	1862.7
67.5°	1811.8	1817.5	1944.0	2112.6	2322.2	2426.9	2259.1	2055.7	1918.3	1825.3	1827.5
70°	1429.3	1424.5	1575.4	1865.3	2217.4	2353.9	2158.7	1901.4	1689.2	1559.3	1557.1
72.5°	1089.8	1091.1	1175.0	1373.7	1807.9	2172.2	1904.9	1531.0	1302.4	1203.7	1199.8
75°	790.3	802.5	870.7	1016.3	1264.5	1623.6	1434.1	1134.6	981.6	922.4	913.7
77.5°	356.0	371.7	466.9	638.1	845.5	897.2	900.7	770.3	581.2	483.0	467.7
80°	103.9	111.3	143.0	244.7	393.8	509.0	404.3	339.9	211.7	166.1	158.2
82.5°	43.9	50.0	61.3	67.8	114.3	236.0	146.9	93.5	86.9	70.4	64.3
85°	18.7	20.0	25.6	27.4	36.9	50.4	46.5	42.2	40.4	31.3	28.7
87.5°	7.8	7.8	7.8	7.0	6.5	7.0	9.6	12.2	16.1	12.6	11.7
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)