

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: P632569

Luminaire Tested: GWS-SA2D-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7530.5 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

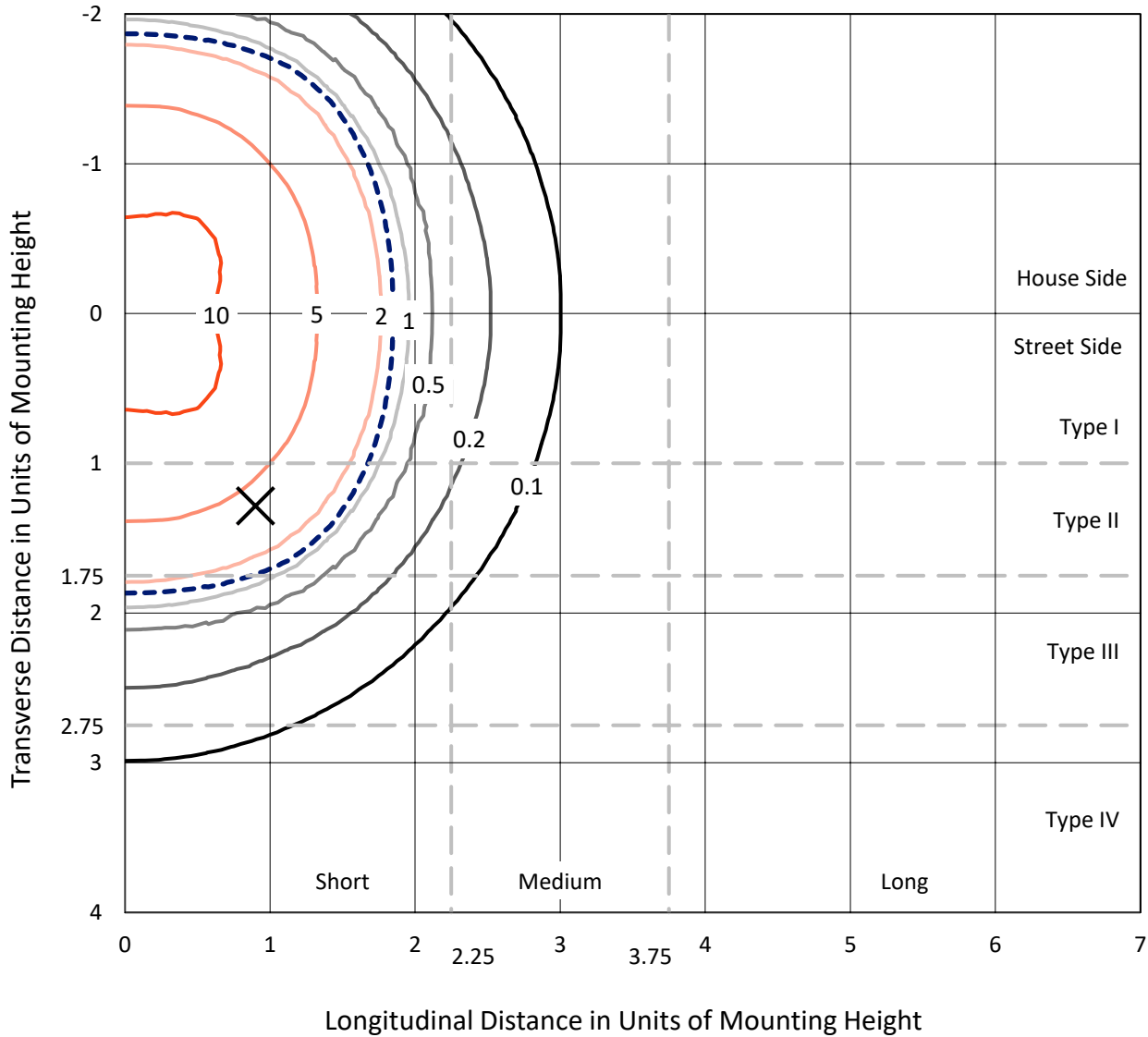
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

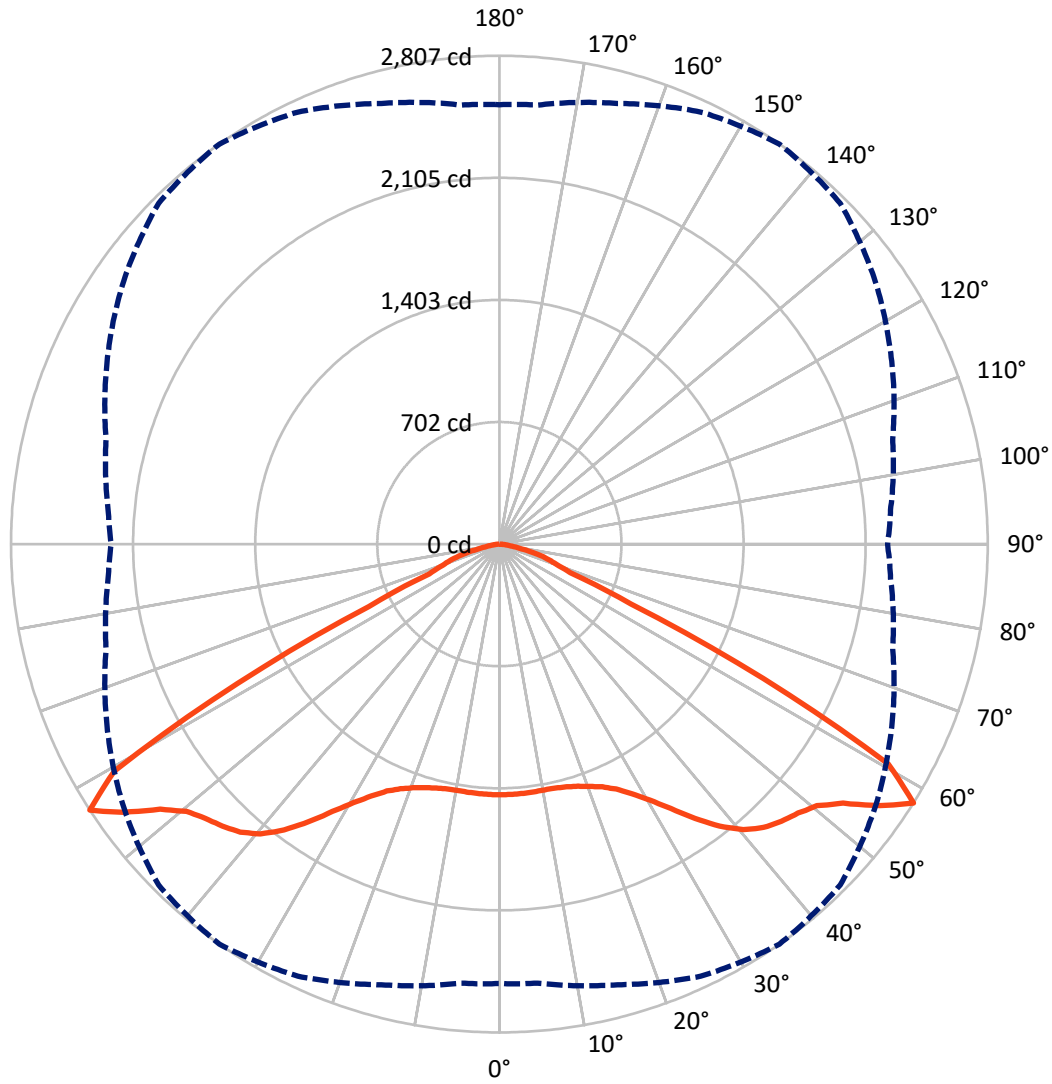
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3765.3	0.0	3765.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3765.3	0.0	3765.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7530.5	0.0	7530.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	1.8
10°-20°	409.0	5.4
20°-30°	713.6	9.5
30°-40°	1170.1	15.5
40°-50°	1723.3	22.9
50°-60°	2199.2	29.2
60°-70°	926.8	12.3
70°-80°	221.4	2.9
80°-90°	30.1	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°	7530.5	100.0
0°-180°	7530.5	100.0

Coefficient of Utilization



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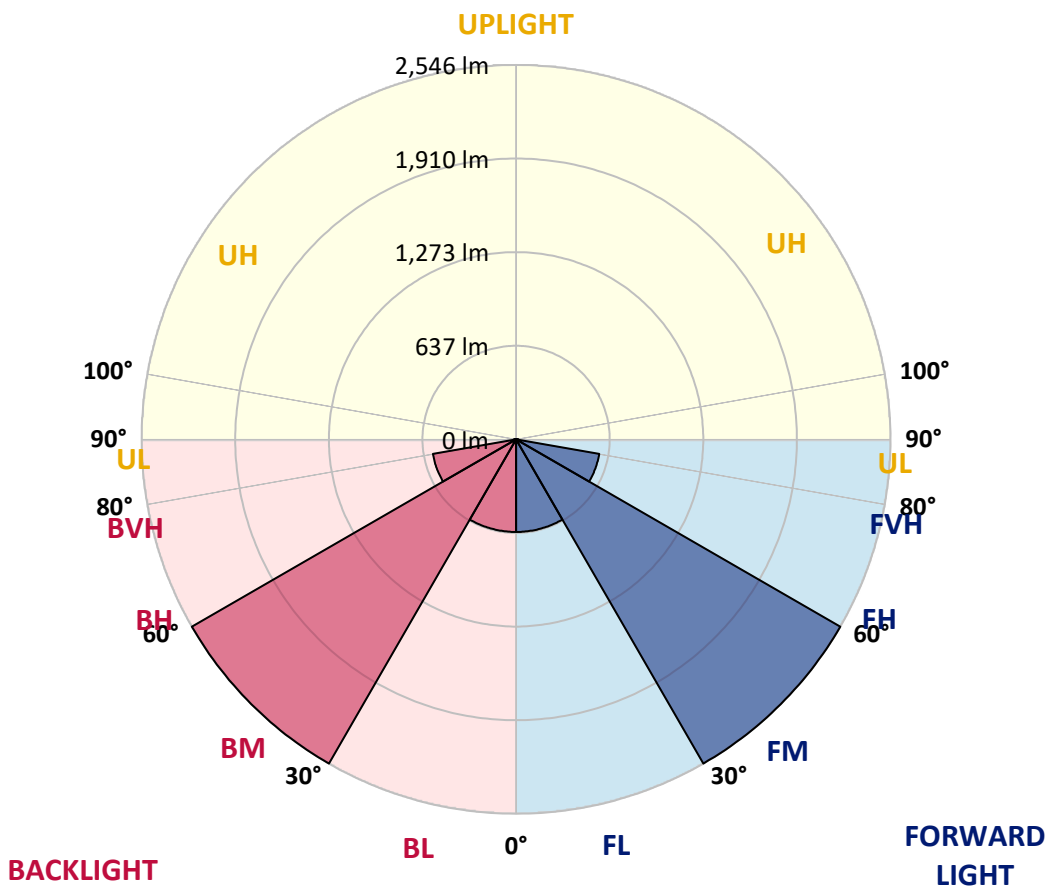
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	629.8	8.4			
FM (30°-60°)	2546.3	33.8			
FH (60°-80°)	574.1	7.6			G0/660
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	629.8	8.4	B2/1000		
BM (30°-60°)	2546.3	33.8	B3/5000		
BH (60°-80°)	574.1	7.6	B2/1000		G0/660
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°	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9	1440.9
2.5°	1432.2	1432.2	1435.3	1438.4	1439.6	1445.2	1444.6	1442.7	1441.5	1437.8	1442.7
5°	1435.3	1435.3	1437.8	1439.6	1439.0	1443.3	1441.5	1438.4	1436.6	1432.9	1438.4
7.5°	1434.7	1434.7	1436.6	1438.4	1437.2	1440.9	1437.8	1433.5	1430.4	1426.7	1431.6
10°	1426.7	1427.9	1429.8	1434.1	1435.9	1441.5	1437.2	1430.4	1425.5	1421.1	1426.1
12.5°	1425.5	1426.7	1429.2	1434.7	1437.8	1445.8	1440.3	1429.2	1421.8	1416.2	1421.1
15°	1431.0	1432.2	1435.9	1442.7	1447.7	1456.3	1448.3	1432.9	1422.4	1415.0	1419.3
17.5°	1437.8	1439.6	1445.2	1455.1	1463.1	1472.3	1462.5	1444.0	1429.2	1419.3	1423.0
20°	1445.2	1447.7	1456.3	1471.1	1485.9	1497.6	1485.3	1460.6	1442.7	1429.8	1433.5
22.5°	1458.1	1461.2	1472.3	1493.3	1515.5	1532.7	1517.3	1484.0	1460.6	1444.0	1447.0
25°	1484.6	1488.3	1502.5	1527.8	1559.3	1580.2	1558.6	1521.0	1488.3	1468.0	1471.1
27.5°	1531.5	1533.4	1551.9	1585.1	1624.0	1648.0	1622.1	1577.7	1541.4	1517.9	1520.4
30°	1593.2	1598.7	1617.2	1661.0	1707.2	1739.3	1705.4	1653.0	1611.0	1582.7	1585.1
32.5°	1668.4	1672.1	1699.8	1745.5	1812.0	1849.0	1802.8	1740.5	1690.0	1655.4	1657.9
35°	1767.0	1770.1	1796.6	1854.6	1935.3	1969.9	1916.9	1845.3	1786.8	1754.1	1763.3
37.5°	1884.8	1890.3	1909.5	1966.8	2056.8	2090.7	2029.7	1963.1	1902.1	1871.8	1878.6
40°	2011.2	2010.6	2026.0	2076.5	2158.5	2179.5	2124.6	2071.6	2019.2	1999.5	2010.6
42.5°	2119.7	2116.6	2127.7	2169.6	2226.4	2228.2	2191.8	2162.2	2125.2	2111.7	2122.2
45°	2195.5	2196.8	2213.4	2242.4	2271.4	2256.0	2244.9	2239.9	2210.9	2192.4	2194.3
47.5°	2255.3	2260.3	2286.8	2306.5	2310.2	2284.3	2299.7	2307.1	2283.1	2254.7	2246.7
50°	2308.4	2316.4	2350.9	2371.9	2363.8	2331.2	2361.4	2372.5	2319.5	2265.2	2249.2
52.5°	2404.5	2413.8	2455.7	2482.8	2473.6	2440.9	2469.3	2429.8	2340.4	2273.8	2253.5
55°	2558.1	2562.4	2613.6	2657.9	2653.6	2613.6	2590.7	2503.2	2394.7	2325.6	2306.5
57.5°	2525.4	2532.8	2621.6	2739.9	2806.5	2770.2	2636.4	2487.2	2339.8	2256.6	2230.7
60°	1987.1	2005.0	2115.4	2323.8	2567.9	2567.3	2318.8	2087.0	1909.5	1799.1	1788.0
62.5°	1160.3	1172.7	1273.2	1484.0	1702.9	1716.5	1542.0	1382.9	1227.5	1152.9	1117.2
65°	549.3	548.7	588.8	683.8	831.7	843.4	791.0	704.1	612.2	587.0	580.2
67.5°	405.7	405.7	402.6	409.4	437.7	443.9	437.7	423.6	414.9	420.5	416.8
70°	352.0	352.7	349.0	347.1	347.1	345.3	347.7	353.3	357.0	364.4	360.7
72.5°	285.5	286.1	286.1	286.7	287.3	284.8	288.5	291.6	292.2	294.7	292.2
75°	202.8	204.1	207.8	210.9	213.3	213.3	214.6	215.2	212.7	215.8	210.9
77.5°	111.6	112.8	119.6	125.2	130.7	131.3	133.2	134.4	133.2	135.6	131.9
80°	61.7	62.9	66.0	68.4	72.8	76.5	78.9	80.2	80.2	82.0	80.2
82.5°	35.1	36.4	38.2	39.5	43.2	46.2	48.7	50.6	50.6	51.2	49.9
85°	16.6	16.6	17.9	19.1	21.0	22.2	25.3	27.1	27.1	28.4	27.1
87.5°	2.5	3.1	3.7	3.7	4.9	6.2	7.4	8.0	9.2	9.9	9.9
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)