

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: P632572

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 7796.9 lumens
Efficiency: N/A
Efficacy: 95.0 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

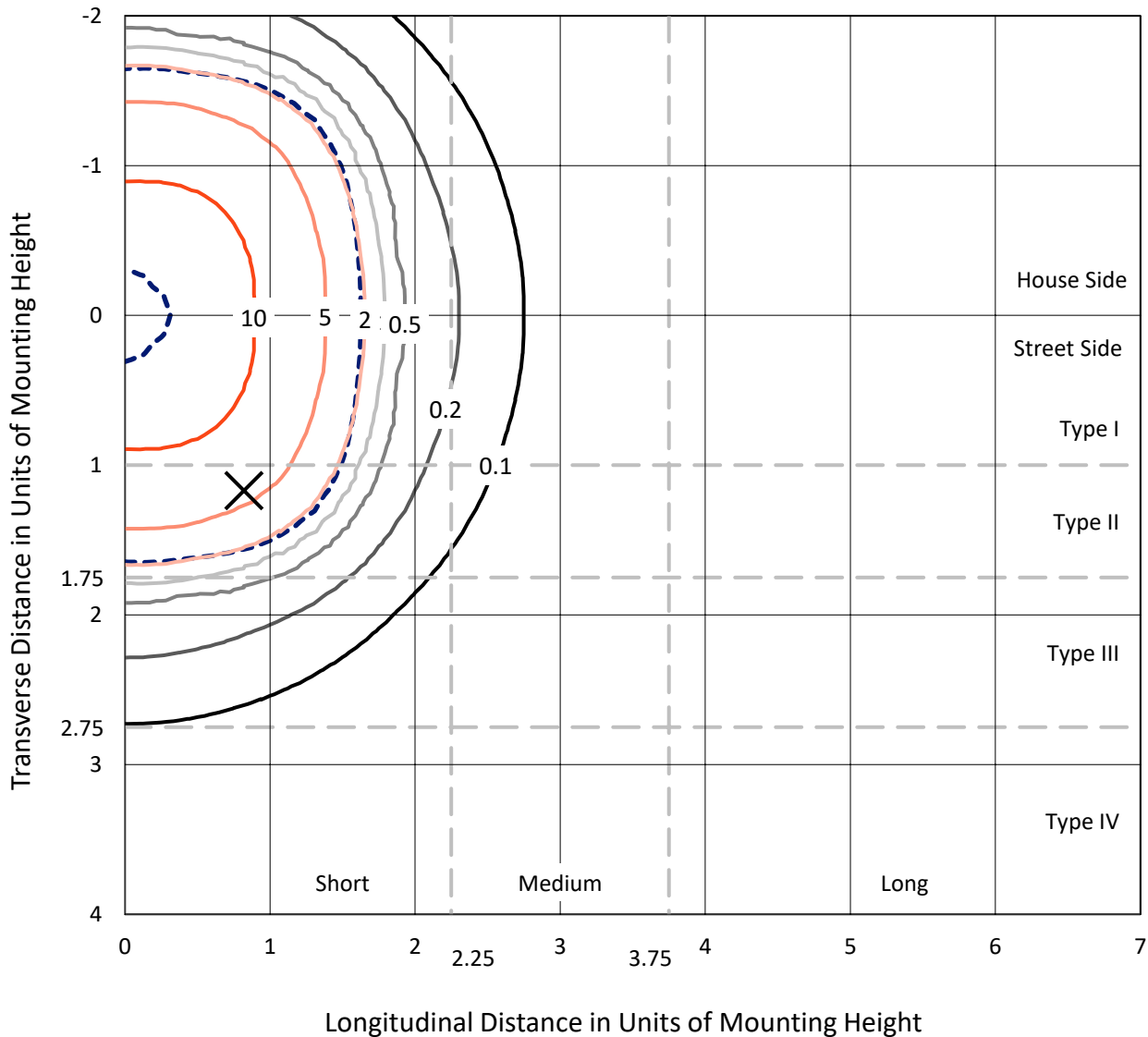


REPORT NUMBER: P632572

CATALOG NUMBER: GWS-SA2D-722-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

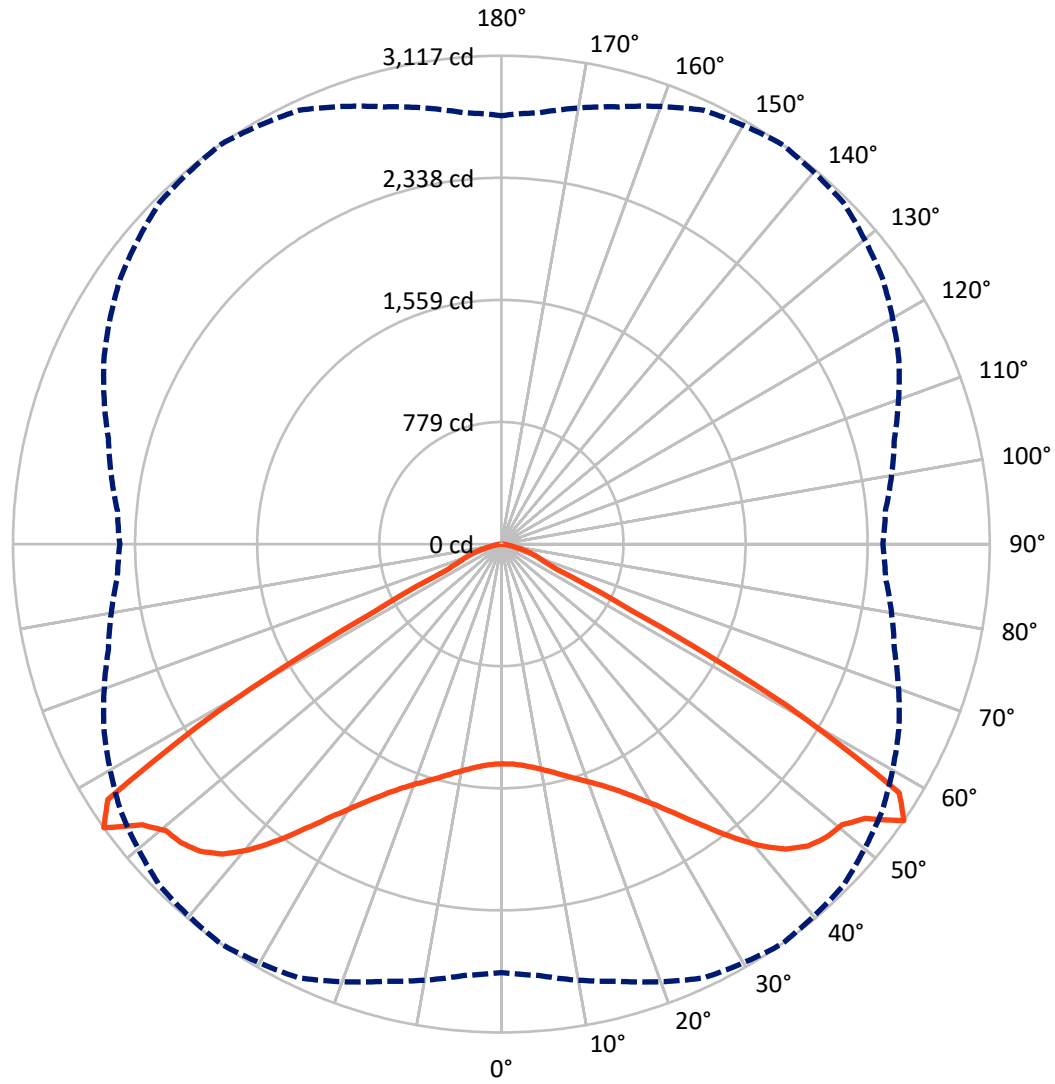
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type V - Short - N/A

REPORT NUMBER: P632572
CATALOG NUMBER: GWS-SA2D-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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CATALOG NUMBER: GWS-SA2D-722-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3898.5	0.0	3898.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3898.5	0.0	3898.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7796.9	0.0	7796.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	1.8
10°-20°	435.6	5.6
20°-30°	806.2	10.3
30°-40°	1348.6	17.3
40°-50°	2055.0	26.4
50°-60°	2302.1	29.5
60°-70°	544.7	7.0
70°-80°	146.9	1.9
80°-90°	21.1	0.3
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°	7796.9	100.0
0°-180°	7796.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632572

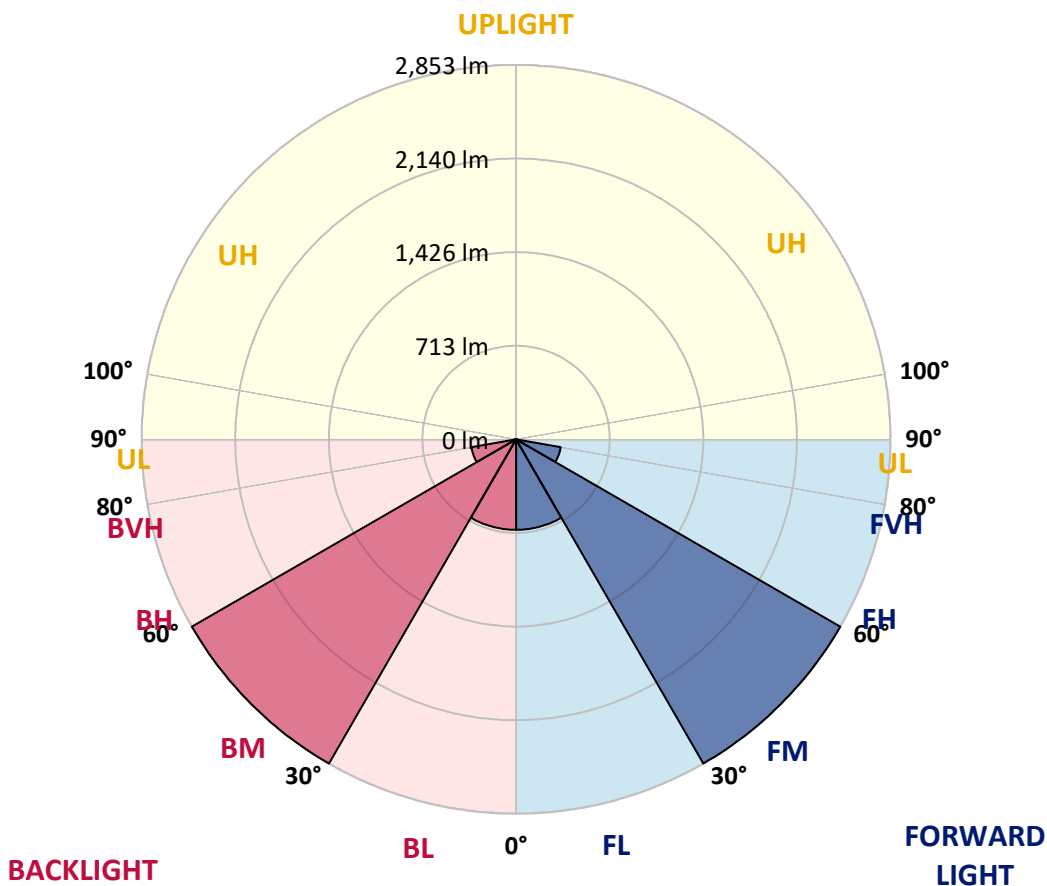
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.3	8.8			
FM (30°-60°)	2852.8	36.6			
FH (60°-80°)	345.8	4.4			G0/660
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	689.3	8.8	B2/1000		
BM (30°-60°)	2852.8	36.6	B3/5000		
BH (60°-80°)	345.8	4.4	B1/500		G0/660
BVH (80°-90°)	10.6	0.1			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





REPORT NUMBER: P632572

CATALOG NUMBER: GWS-SA2D-722-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7	1402.7
2.5°	1399.6	1399.6	1402.1	1405.1	1405.8	1411.9	1410.7	1408.2	1407.0	1404.5	1410.1
5°	1415.0	1415.6	1417.5	1419.3	1418.1	1423.0	1421.2	1418.1	1416.2	1413.2	1418.7
7.5°	1435.4	1435.4	1437.2	1439.7	1438.4	1445.8	1442.1	1437.8	1434.7	1431.0	1436.0
10°	1453.9	1455.1	1456.9	1461.9	1464.3	1472.4	1469.9	1463.7	1458.8	1454.5	1460.0
12.5°	1481.6	1482.8	1484.7	1491.5	1495.8	1503.8	1500.1	1491.5	1484.1	1477.9	1484.1
15°	1517.4	1516.1	1521.1	1529.7	1535.2	1542.6	1538.3	1523.5	1513.7	1505.6	1511.8
17.5°	1553.7	1553.1	1558.1	1569.2	1577.2	1587.0	1579.6	1562.4	1551.9	1542.0	1548.2
20°	1593.2	1595.1	1600.0	1610.5	1622.2	1635.1	1629.0	1610.5	1598.8	1587.7	1592.6
22.5°	1641.9	1642.5	1648.1	1661.6	1677.1	1689.4	1685.7	1662.9	1648.1	1636.4	1642.5
25°	1700.5	1699.9	1707.3	1723.3	1744.9	1757.2	1749.2	1723.9	1707.9	1694.3	1699.3
27.5°	1767.7	1767.1	1778.2	1799.1	1830.0	1847.2	1830.6	1799.1	1776.9	1757.8	1762.1
30°	1852.2	1850.3	1862.6	1891.0	1931.1	1960.1	1935.4	1891.6	1862.6	1842.3	1846.6
32.5°	1945.9	1948.3	1963.8	2002.0	2052.5	2090.2	2053.2	2004.4	1965.6	1936.0	1940.9
35°	2048.8	2048.8	2080.3	2127.8	2199.9	2249.8	2192.5	2122.2	2070.4	2029.7	2031.0
37.5°	2163.5	2164.8	2206.1	2271.4	2365.8	2424.3	2346.6	2259.7	2196.8	2153.0	2150.6
40°	2303.5	2307.2	2349.7	2422.5	2528.5	2582.2	2498.9	2413.8	2349.7	2297.9	2293.0
42.5°	2461.3	2462.6	2507.6	2572.9	2662.3	2694.4	2629.0	2559.4	2506.9	2460.1	2455.2
45°	2611.8	2608.7	2647.5	2696.2	2748.0	2751.1	2714.7	2686.4	2640.7	2600.7	2593.3
47.5°	2728.9	2726.4	2761.6	2788.1	2794.3	2764.1	2775.8	2780.1	2727.1	2672.8	2658.6
50°	2800.4	2805.4	2838.7	2853.5	2817.1	2767.8	2812.1	2801.1	2725.2	2654.3	2631.5
52.5°	2843.6	2851.0	2908.9	2946.6	2908.9	2862.1	2868.3	2802.9	2693.8	2600.1	2570.5
55°	2734.5	2764.1	2889.2	3055.7	3117.3	3084.7	2967.5	2799.2	2597.0	2460.7	2435.4
57.5°	2026.6	2073.5	2259.1	2619.8	2994.7	3113.6	2771.5	2346.6	2040.2	1865.1	1850.3
60°	1034.6	1087.0	1235.6	1606.1	2088.3	2256.0	1930.5	1502.6	1194.3	1052.5	1036.4
62.5°	422.3	431.0	479.7	622.7	923.0	1064.8	935.3	656.6	493.3	454.4	455.0
65°	332.3	334.2	331.7	340.3	386.6	429.1	396.5	348.4	339.7	344.0	341.0
67.5°	289.8	290.4	288.6	288.6	290.4	288.6	292.3	294.1	295.3	300.3	297.2
70°	242.3	242.9	242.9	244.2	243.5	240.5	246.0	248.5	249.1	252.2	250.3
72.5°	187.4	189.3	190.5	191.1	190.5	188.7	191.8	196.1	195.5	198.5	195.5
75°	127.0	129.5	130.7	133.2	132.6	132.6	136.3	138.1	136.3	138.7	136.3
77.5°	72.1	74.0	77.7	80.2	82.6	84.5	86.9	88.2	87.6	88.8	87.6
80°	41.9	42.5	45.6	46.9	49.9	53.0	55.5	56.7	57.3	58.0	57.3
82.5°	24.0	24.7	25.9	27.1	29.6	32.1	34.5	36.4	36.4	37.0	36.4
85°	11.7	11.7	12.3	12.9	14.2	16.0	17.9	19.7	20.3	20.3	20.3
87.5°	1.8	1.8	2.5	2.5	3.1	3.7	4.9	6.2	6.8	6.8	6.8
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)