

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: P635045

Luminaire Tested: GWS-SA3D-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635045
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-SA3D-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13424.1 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

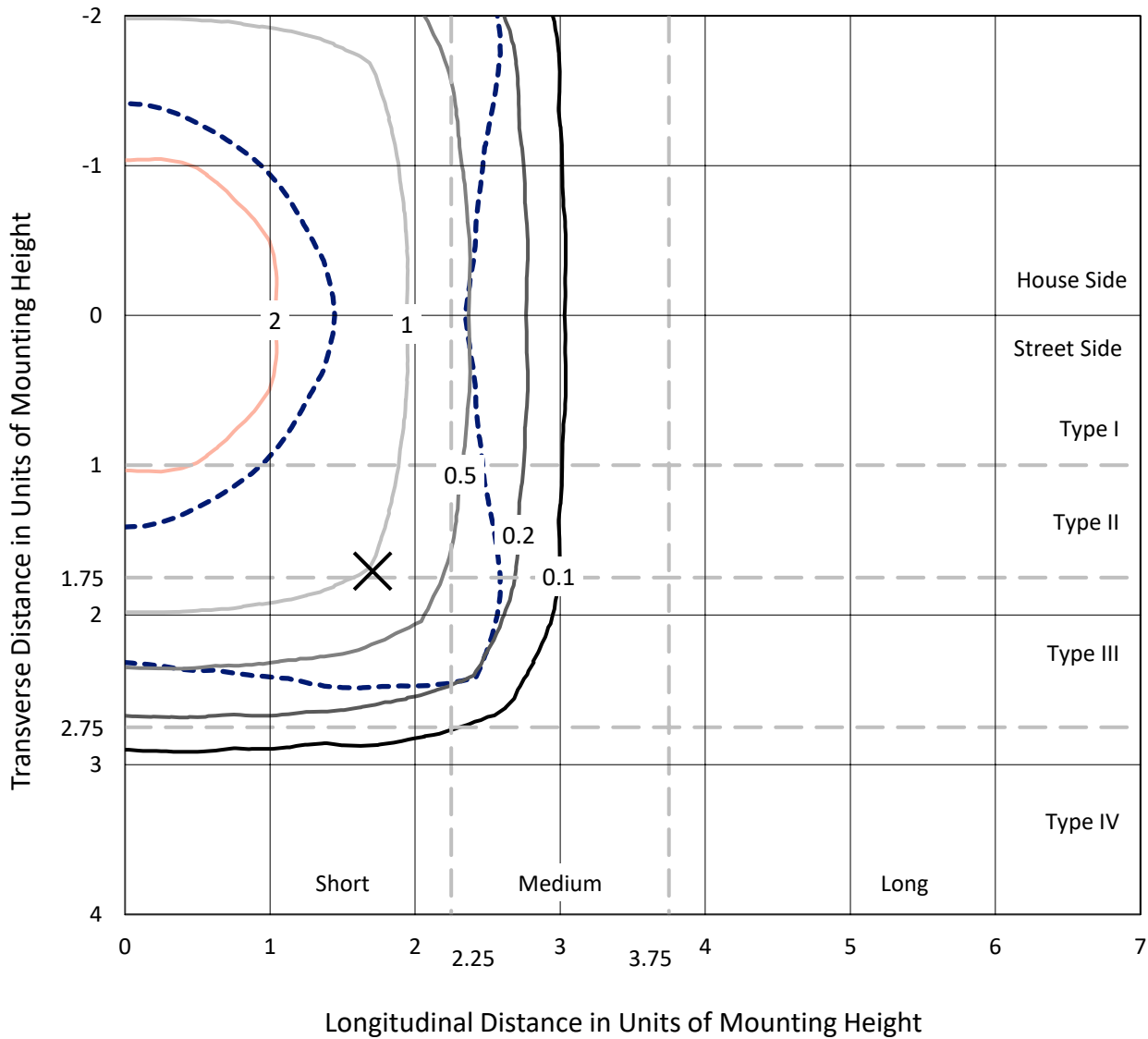
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635045
 CATALOG NUMBER: GWS-SA3D-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

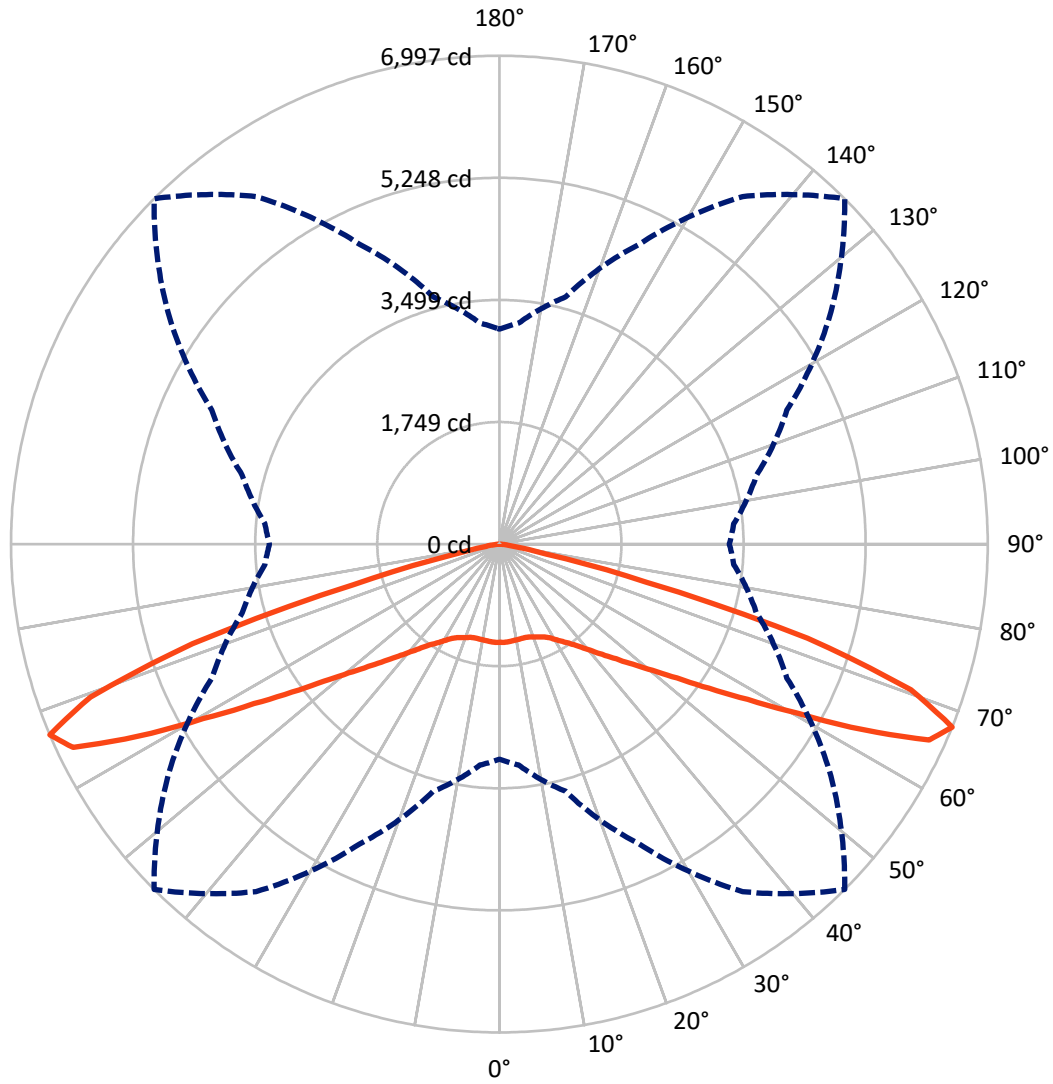
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P635045
CATALOG NUMBER: GWS-SA3D-722-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635045

CATALOG NUMBER: GWS-SA3D-722-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6712.1	0.0	6712.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6712.1	0.0	6712.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13424.1	0.0	13424.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.0
10°-20°	390.8	2.9
20°-30°	674.1	5.0
30°-40°	1096.1	8.2
40°-50°	1845.6	13.7
50°-60°	3270.0	24.4
60°-70°	4674.2	34.8
70°-80°	1282.9	9.6
80°-90°	57.5	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°	13424.1	100.0
0°-180°	13424.1	100.0

Coefficient of Utilization



REPORT NUMBER: P635045

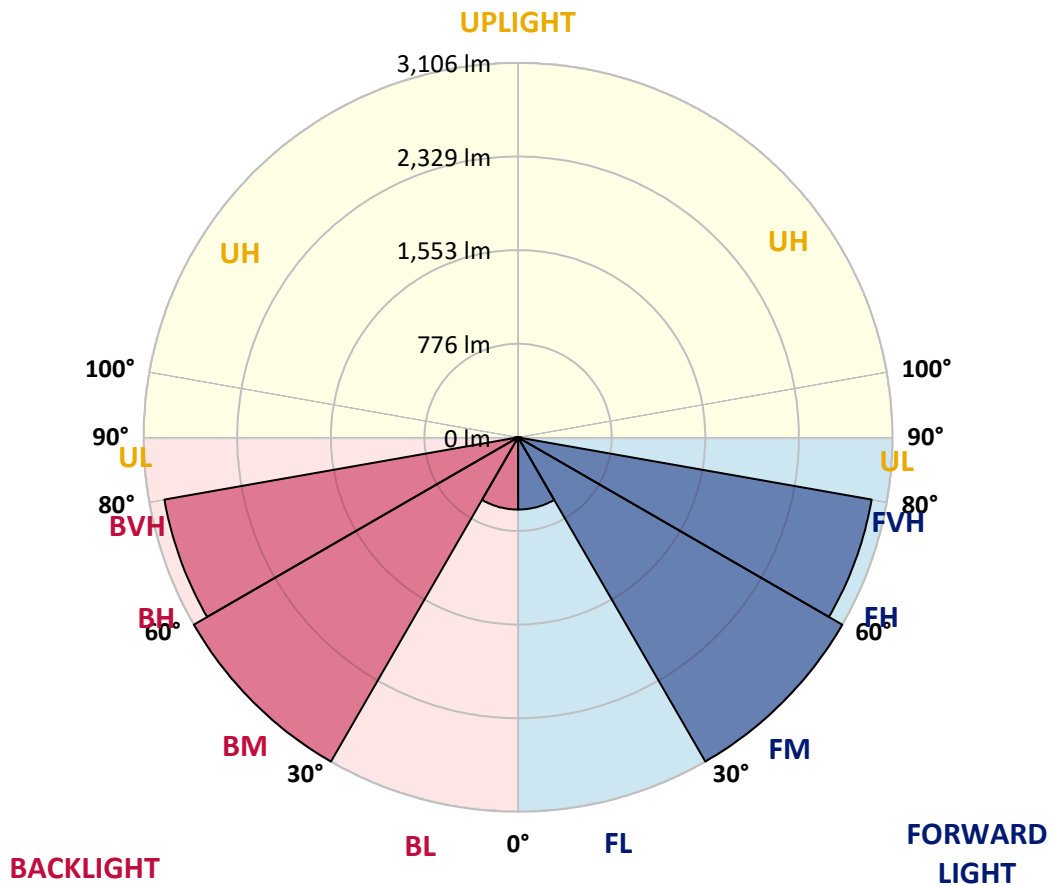
CATALOG NUMBER: GWS-SA3D-722-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.0	4.5			
FM (30°-60°)	3105.8	23.1			
FH (60°-80°)	2978.5	22.2			G2/5000
FVH (80°-90°)	28.7	0.2			G1/100
BL (0°-30°)	599.0	4.5	B2/1000		
BM (30°-60°)	3105.8	23.1	B3/5000		
BH (60°-80°)	2978.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	28.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P635045
 CATALOG NUMBER: GWS-SA3D-722-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9	1405.9
2.5°	1396.6	1395.7	1400.4	1403.2	1402.2	1408.7	1407.8	1405.9	1405.9	1403.2	1410.6
5°	1396.6	1395.7	1399.4	1400.4	1398.5	1404.1	1402.2	1400.4	1400.4	1396.6	1403.2
7.5°	1389.2	1390.1	1392.9	1394.8	1392.9	1397.6	1394.8	1391.1	1390.1	1386.4	1392.9
10°	1375.3	1376.2	1379.0	1383.6	1384.6	1392.9	1388.3	1381.8	1379.0	1375.3	1381.8
12.5°	1366.9	1367.8	1370.6	1376.2	1378.1	1389.2	1384.6	1374.3	1369.7	1366.0	1372.5
15°	1365.1	1366.0	1369.7	1375.3	1378.1	1389.2	1384.6	1372.5	1366.0	1361.3	1366.9
17.5°	1365.1	1366.9	1372.5	1380.8	1386.4	1397.6	1392.0	1378.1	1368.8	1360.4	1366.0
20°	1366.0	1368.8	1377.1	1389.2	1403.2	1418.9	1411.5	1392.9	1379.9	1369.7	1373.4
22.5°	1374.3	1379.0	1389.2	1405.0	1425.5	1444.0	1437.5	1412.4	1393.9	1379.9	1383.6
25°	1403.2	1405.0	1418.0	1438.5	1458.0	1473.8	1467.3	1444.0	1420.8	1404.1	1408.7
27.5°	1454.3	1458.9	1470.1	1491.4	1508.2	1516.5	1515.6	1499.8	1476.6	1461.7	1465.4
30°	1515.6	1520.2	1535.1	1559.3	1576.0	1585.3	1582.5	1570.4	1549.0	1528.6	1532.3
32.5°	1587.1	1589.0	1606.7	1633.6	1651.3	1665.2	1655.9	1642.9	1615.9	1591.8	1593.6
35°	1678.2	1681.0	1699.6	1724.7	1738.6	1749.8	1747.9	1734.9	1706.1	1680.1	1686.6
37.5°	1792.5	1794.4	1811.1	1842.7	1853.8	1862.2	1864.1	1857.5	1827.8	1794.4	1800.9
40°	1934.7	1935.6	1954.2	1982.1	1994.1	1999.7	2000.7	2001.6	1970.9	1945.8	1944.0
42.5°	2100.1	2104.7	2130.7	2157.7	2163.3	2160.5	2169.8	2179.1	2149.3	2114.9	2117.7
45°	2298.0	2300.8	2336.1	2365.8	2355.6	2346.3	2364.0	2382.6	2355.6	2311.0	2298.0
47.5°	2532.2	2537.8	2575.8	2605.6	2588.9	2572.1	2600.9	2620.5	2576.8	2529.4	2517.3
50°	2797.0	2800.7	2854.6	2891.8	2872.3	2841.6	2877.9	2898.3	2839.8	2781.2	2755.2
52.5°	3110.2	3102.7	3174.3	3239.3	3227.2	3187.3	3217.0	3220.7	3133.4	3050.7	3024.7
55°	3492.1	3484.6	3556.2	3627.7	3657.5	3647.3	3633.3	3611.0	3481.9	3393.6	3369.4
57.5°	3937.2	3914.0	4014.3	4111.0	4176.0	4194.6	4135.1	4083.1	3980.9	3872.1	3844.3
60°	4350.7	4349.8	4508.7	4675.9	4854.3	4928.7	4778.1	4636.9	4407.4	4209.5	4169.5
62.5°	4466.8	4486.4	4746.6	5161.0	5601.5	5864.4	5467.6	5000.2	4557.0	4258.7	4205.7
65°	4180.6	4229.0	4598.8	5253.0	6122.8	6765.8	5870.0	5008.6	4390.7	4019.0	3963.2
67.5°	3081.4	3178.0	3667.7	4740.0	6078.1	6997.2	5798.4	4544.9	3813.6	3371.3	3294.2
70°	1520.2	1612.2	2000.7	3118.5	5001.2	6254.7	5017.0	3425.2	2575.8	2150.3	2079.6
72.5°	559.4	596.6	749.0	1334.4	2759.8	4620.2	3430.7	1913.3	1248.0	993.4	946.0
75°	274.1	280.6	303.9	447.9	1018.4	2174.4	1612.2	734.1	459.0	399.6	386.6
77.5°	174.7	177.5	188.6	213.7	327.1	684.8	488.8	289.9	224.9	215.6	215.6
80°	97.6	100.4	115.2	132.9	153.3	235.1	175.6	173.8	147.7	129.2	126.4
82.5°	46.5	51.1	73.4	72.5	80.8	118.0	103.1	93.9	94.8	71.6	67.8
85°	21.4	21.4	28.8	34.4	36.2	40.0	47.4	53.9	53.0	36.2	39.0
87.5°	10.2	10.2	10.2	9.3	8.4	7.4	10.2	16.7	24.2	16.7	15.8
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)