

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: P635271

Luminaire Tested: GWS-SA3D-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635271
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-SA3D-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17841 lumens
Efficiency: N/A
Efficacy: 147.7 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

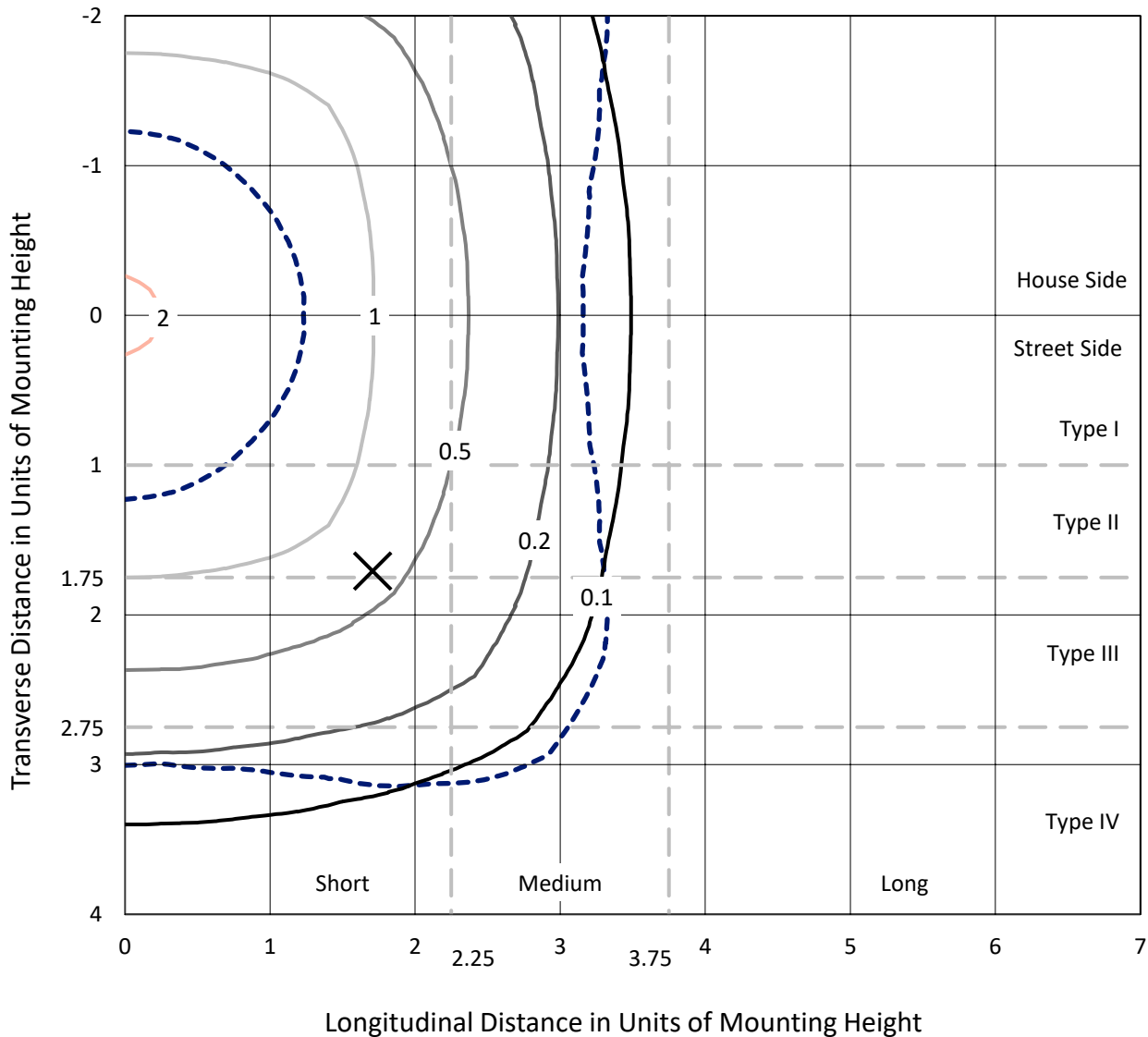
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

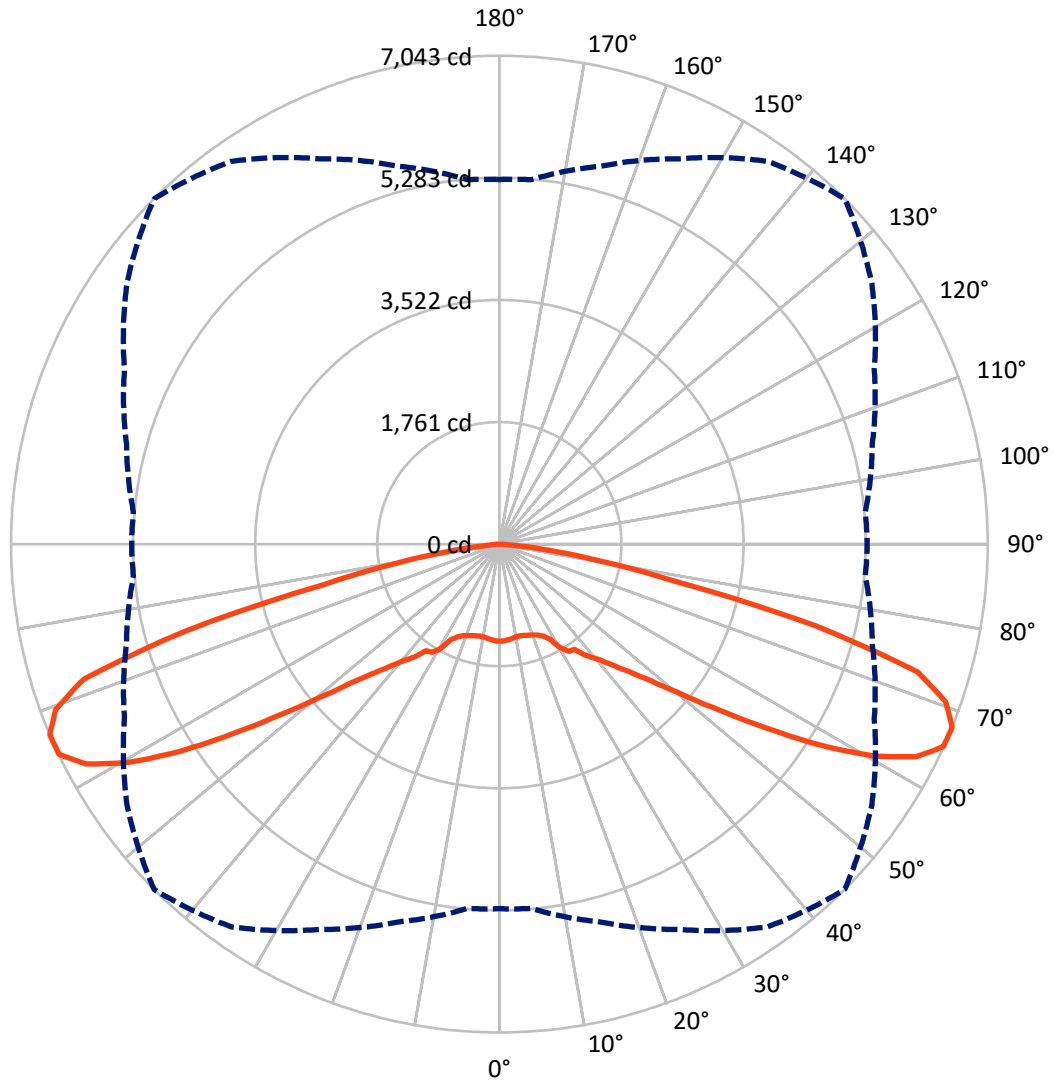
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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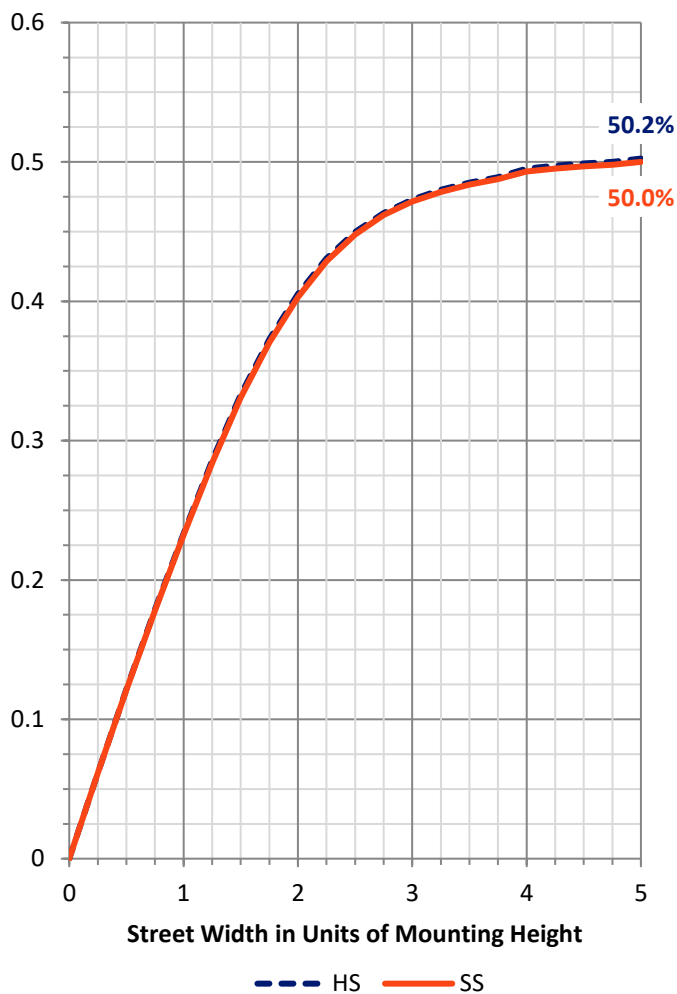
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8920.5	0.0	8920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8920.5	0.0	8920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17841.0	0.0	17841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	0.7
10°-20°	389.8	2.2
20°-30°	699.3	3.9
30°-40°	1181.3	6.6
40°-50°	2075.6	11.6
50°-60°	4003.9	22.4
60°-70°	5809.1	32.6
70°-80°	3323.7	18.6
80°-90°	226.8	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°	17841.0	100.0
0°-180°	17841.0	100.0

Coefficient of Utilization



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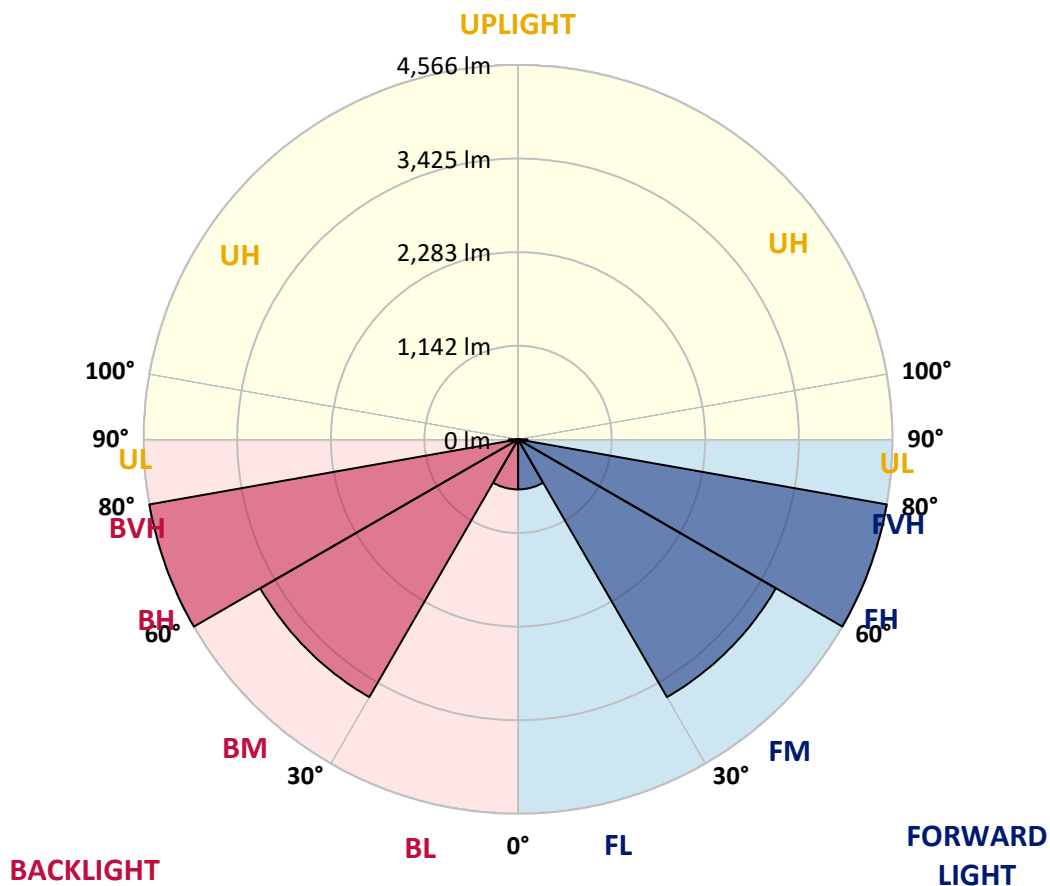
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.3	3.4			
FM (30°-60°)	3630.4	20.3			
FH (60°-80°)	4566.4	25.6			G2/5000
FVH (80°-90°)	113.4	0.6			G2/225
BL (0°-30°)	610.3	3.4	B2/1000		
BM (30°-60°)	3630.4	20.3	B3/5000		
BH (60°-80°)	4566.4	25.6	B4/5000		G2/5000
BVH (80°-90°)	113.4	0.6			G2/225
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1
2.5°	1387.7	1389.0	1391.5	1391.5	1394.1	1397.8	1399.1	1396.6	1397.8	1391.5	1397.8
5°	1384.0	1385.2	1386.5	1384.0	1384.0	1385.2	1385.2	1382.7	1384.0	1377.7	1384.0
7.5°	1375.1	1376.4	1376.4	1372.6	1368.8	1371.3	1371.3	1368.8	1370.1	1363.8	1371.3
10°	1367.6	1367.6	1366.3	1358.7	1354.9	1358.7	1360.0	1361.3	1366.3	1361.3	1370.1
12.5°	1372.6	1372.6	1368.8	1358.7	1352.4	1354.9	1357.5	1360.0	1368.8	1367.6	1377.7
15°	1386.5	1387.7	1377.7	1366.3	1362.5	1366.3	1363.8	1362.5	1373.9	1377.7	1389.0
17.5°	1397.8	1397.8	1385.2	1373.9	1375.1	1381.4	1376.4	1370.1	1381.4	1389.0	1401.6
20°	1407.9	1406.7	1392.8	1385.2	1390.3	1399.1	1395.3	1386.5	1394.1	1402.9	1414.2
22.5°	1433.2	1431.9	1416.8	1413.0	1418.0	1426.9	1423.1	1415.5	1424.3	1436.9	1450.8
25°	1505.1	1502.5	1479.8	1467.2	1464.7	1471.0	1469.7	1467.2	1481.1	1496.2	1512.6
27.5°	1601.0	1599.7	1583.3	1570.7	1554.3	1549.2	1553.0	1564.4	1584.6	1595.9	1609.8
30°	1648.9	1648.9	1646.4	1666.6	1701.9	1735.9	1709.4	1666.6	1648.9	1643.8	1657.7
32.5°	1712.0	1718.3	1709.4	1732.2	1791.5	1841.9	1791.5	1722.1	1709.4	1709.4	1724.6
35°	1857.1	1859.6	1845.7	1841.9	1860.8	1867.1	1843.2	1817.9	1831.8	1834.3	1853.3
37.5°	1973.1	1973.1	1966.8	1976.9	2016.0	2040.0	2000.9	1955.5	1959.2	1961.8	1985.7
40°	2152.3	2157.3	2142.2	2140.9	2156.1	2177.5	2135.9	2106.8	2127.0	2133.3	2169.9
42.5°	2375.6	2375.6	2352.9	2346.5	2356.6	2379.4	2340.2	2321.3	2347.8	2352.9	2374.3
45°	2641.8	2648.1	2617.8	2606.4	2611.5	2619.1	2591.3	2582.5	2607.7	2619.1	2656.9
47.5°	2966.0	2972.3	2945.8	2944.5	2939.5	2944.5	2918.0	2913.0	2933.2	2924.4	2964.7
50°	3365.9	3377.3	3354.6	3386.1	3382.3	3397.5	3360.9	3334.4	3334.4	3310.4	3333.1
52.5°	3813.8	3836.5	3847.8	3900.8	3941.2	3979.0	3918.5	3876.9	3816.3	3767.1	3828.9
55°	4302.0	4295.7	4367.6	4483.7	4602.3	4691.8	4573.2	4442.0	4343.6	4241.5	4265.4
57.5°	4729.7	4751.1	4845.8	5057.7	5292.4	5481.6	5268.4	5016.1	4792.8	4646.4	4666.6
60°	5085.5	5103.1	5229.3	5534.6	5944.6	6205.7	5867.6	5451.3	5127.1	4925.2	4946.7
62.5°	5413.5	5429.9	5557.3	5894.1	6411.4	6752.0	6315.5	5746.5	5385.7	5182.6	5195.2
65°	5602.7	5612.8	5786.9	6141.4	6686.4	7038.4	6546.4	5959.7	5605.2	5398.3	5405.9
67.5°	5258.3	5274.7	5641.8	6131.3	6739.4	7043.4	6556.5	5966.0	5567.4	5297.4	5303.7
70°	4148.1	4134.2	4572.0	5413.5	6435.3	6831.5	6265.0	5518.2	4902.5	4525.3	4519.0
72.5°	3162.8	3166.6	3410.1	3986.6	5246.9	6304.1	5528.3	4443.3	3779.7	3493.3	3482.0
75°	2293.6	2328.9	2527.0	2949.6	3670.0	4712.0	4162.0	3292.7	2848.7	2677.1	2651.9
77.5°	1033.2	1078.7	1354.9	1852.0	2453.8	2603.9	2614.0	2235.5	1686.7	1401.6	1357.5
80°	301.5	323.0	415.1	710.3	1143.0	1477.3	1173.3	986.6	614.4	481.9	459.2
82.5°	127.4	145.1	177.9	196.8	331.8	685.0	426.4	271.2	252.3	204.4	186.7
85°	54.2	58.0	74.4	79.5	107.2	146.3	135.0	122.4	117.3	90.8	83.3
87.5°	22.7	22.7	22.7	20.2	18.9	20.2	27.8	35.3	46.7	36.6	34.1
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)