

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: P635326

Luminaire Tested: GWS-SA3D-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635326
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-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18249.8 lumens
Efficiency: N/A
Efficacy: 151.1 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

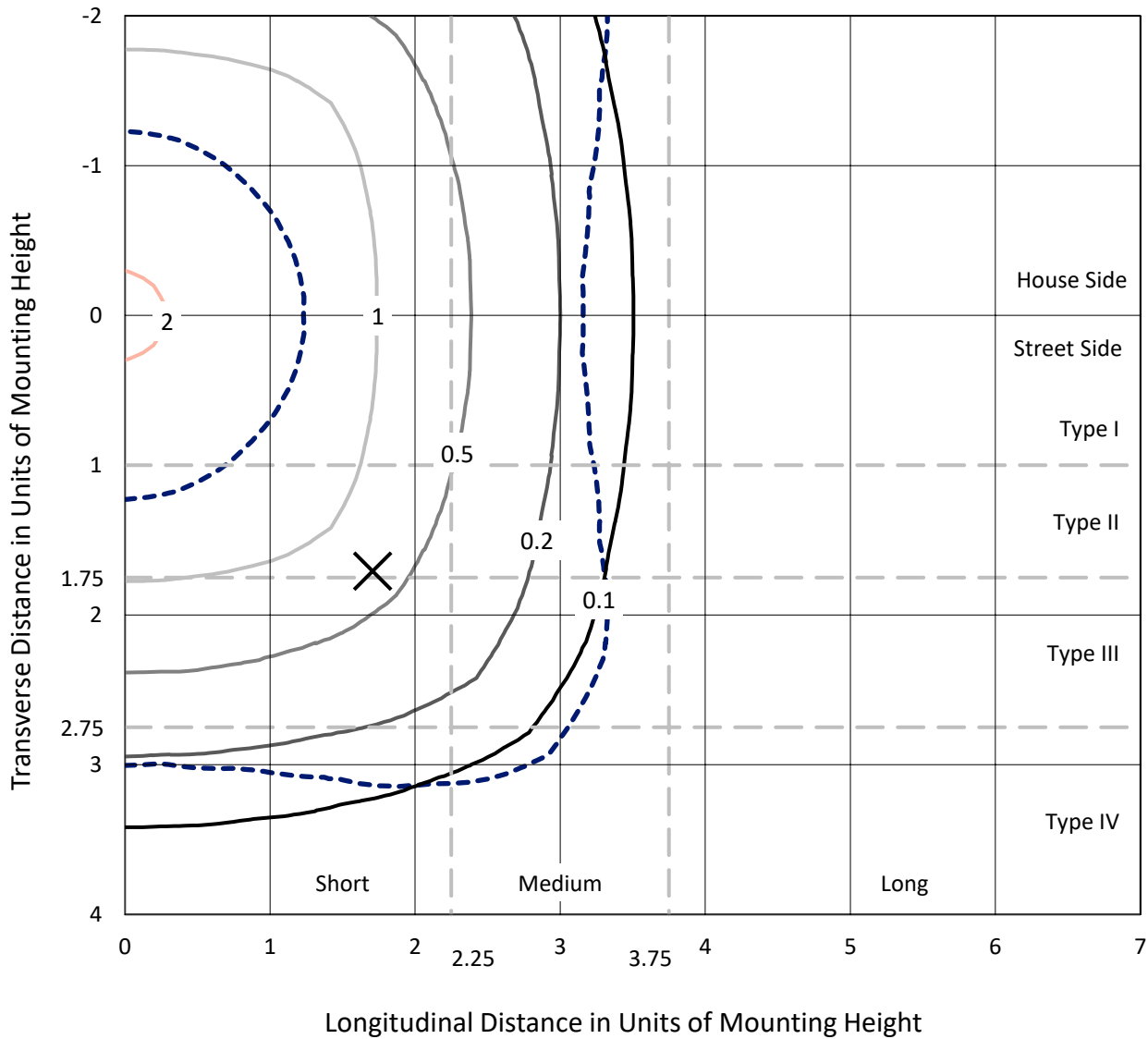
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

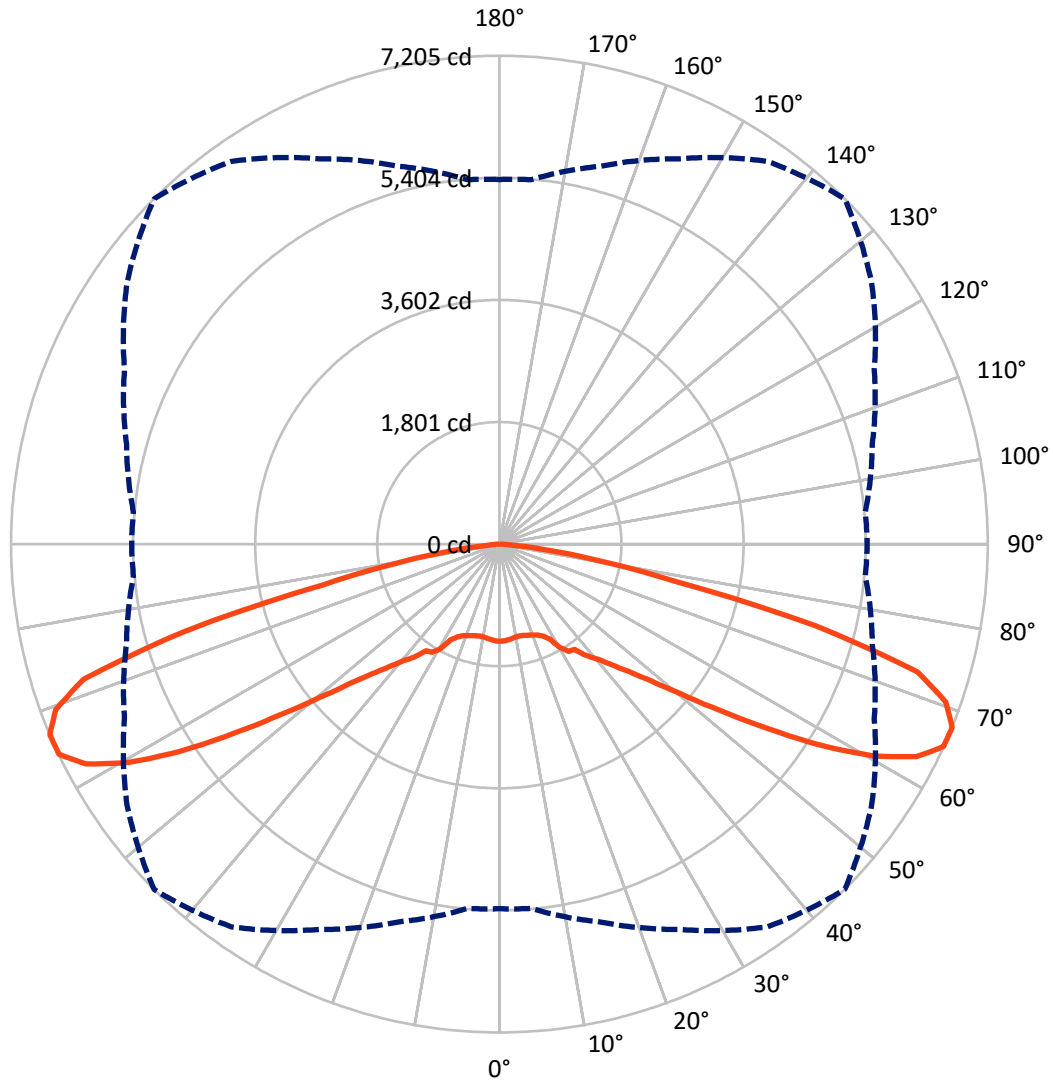
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	9124.9	0.0	9124.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9124.9	0.0	9124.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18249.8	0.0	18249.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	0.7
10°-20°	398.8	2.2
20°-30°	715.3	3.9
30°-40°	1208.4	6.6
40°-50°	2123.2	11.6
50°-60°	4095.6	22.4
60°-70°	5942.2	32.6
70°-80°	3399.9	18.6
80°-90°	232.0	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°	18249.8	100.0
0°-180°	18249.8	100.0

Coefficient of Utilization



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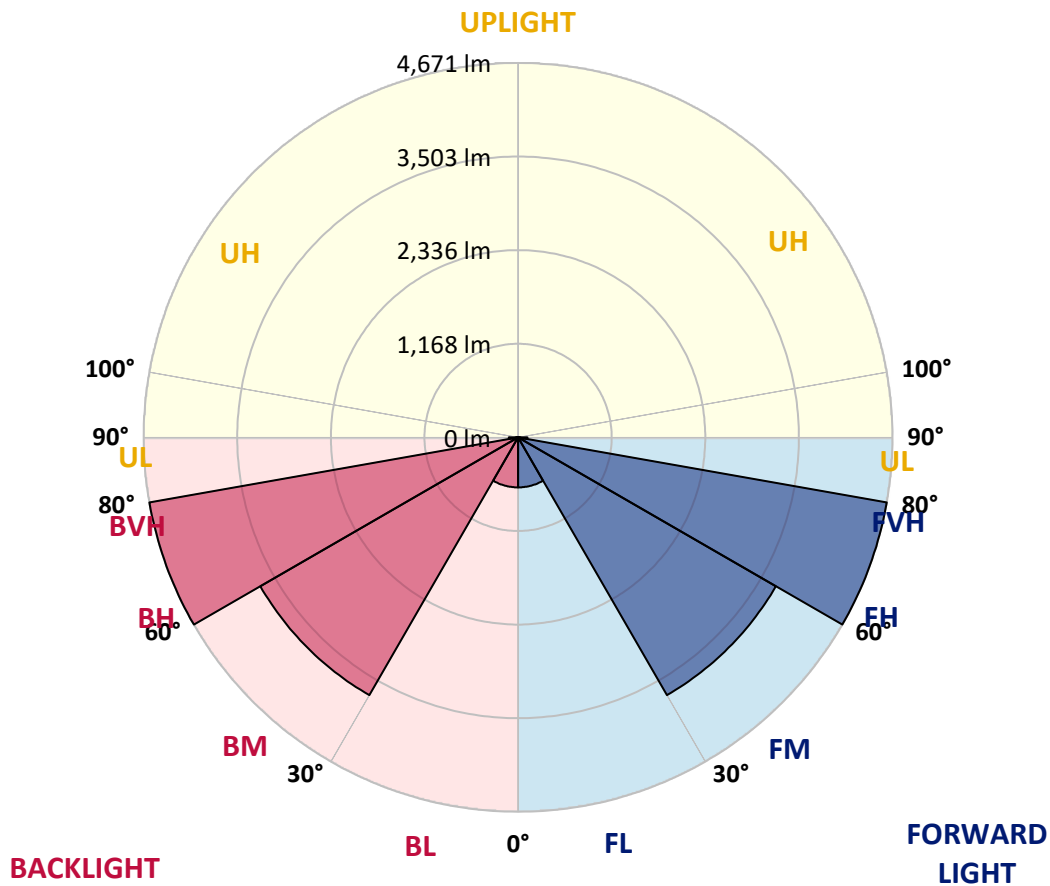
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.2	3.4			
FM (30°-60°)	3713.6	20.3			
FH (60°-80°)	4671.0	25.6			G2/5000
FVH (80°-90°)	116.0	0.6			G2/225
BL (0°-30°)	624.2	3.4	B2/1000		
BM (30°-60°)	3713.6	20.3	B3/5000		
BH (60°-80°)	4671.0	25.6	B4/5000		G2/5000
BVH (80°-90°)	116.0	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°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
2.5°	1419.5	1420.8	1423.4	1423.4	1426.0	1429.9	1431.2	1428.6	1429.9	1423.4	1429.9
5°	1415.7	1417.0	1418.3	1415.7	1415.7	1417.0	1417.0	1414.4	1415.7	1409.2	1415.7
7.5°	1406.6	1407.9	1407.9	1404.1	1400.2	1402.8	1402.8	1400.2	1401.5	1395.0	1402.8
10°	1398.9	1398.9	1397.6	1389.9	1386.0	1389.9	1391.2	1392.4	1397.6	1392.4	1401.5
12.5°	1404.1	1404.1	1400.2	1389.9	1383.4	1386.0	1388.6	1391.2	1400.2	1398.9	1409.2
15°	1418.3	1419.5	1409.2	1397.6	1393.7	1397.6	1395.0	1393.7	1405.3	1409.2	1420.8
17.5°	1429.9	1429.9	1417.0	1405.3	1406.6	1413.1	1407.9	1401.5	1413.1	1420.8	1433.7
20°	1440.2	1438.9	1424.7	1417.0	1422.1	1431.2	1427.3	1418.3	1426.0	1435.0	1446.6
22.5°	1466.0	1464.7	1449.2	1445.4	1450.5	1459.5	1455.7	1447.9	1457.0	1469.9	1484.1
25°	1539.6	1537.0	1513.7	1500.8	1498.3	1504.7	1503.4	1500.8	1515.0	1530.5	1547.3
27.5°	1637.6	1636.3	1619.6	1606.7	1589.9	1584.7	1588.6	1600.2	1620.9	1632.5	1646.7
30°	1686.7	1686.7	1684.1	1704.7	1740.9	1775.7	1748.6	1704.7	1686.7	1681.5	1695.7
32.5°	1751.2	1757.7	1748.6	1771.8	1832.5	1884.1	1832.5	1761.5	1748.6	1748.6	1764.1
35°	1899.6	1902.2	1888.0	1884.1	1903.5	1909.9	1885.4	1859.6	1873.8	1876.4	1895.7
37.5°	2018.3	2018.3	2011.9	2022.2	2062.2	2086.7	2046.7	2000.3	2004.1	2006.7	2031.2
40°	2201.6	2206.7	2191.3	2190.0	2205.5	2227.4	2184.8	2155.1	2175.8	2182.2	2219.6
42.5°	2430.0	2430.0	2406.8	2400.3	2410.6	2433.9	2393.9	2374.5	2401.6	2406.8	2428.7
45°	2702.3	2708.7	2677.8	2666.2	2671.3	2679.1	2650.7	2641.6	2667.4	2679.1	2717.8
47.5°	3033.9	3040.4	3013.3	3012.0	3006.8	3012.0	2984.9	2979.7	3000.4	2991.4	3032.7
50°	3443.0	3454.6	3431.4	3463.7	3459.8	3475.3	3437.9	3410.8	3410.8	3386.3	3409.5
52.5°	3901.2	3924.4	3936.0	3990.2	4031.5	4070.2	4008.3	3965.7	3903.7	3853.4	3916.6
55°	4400.6	4394.1	4467.7	4586.4	4707.7	4799.3	4678.0	4543.8	4443.2	4338.6	4363.2
57.5°	4838.1	4860.0	4956.8	5173.6	5413.6	5607.2	5389.1	5131.0	4902.6	4752.9	4773.5
60°	5202.0	5220.0	5349.1	5661.4	6080.8	6347.9	6002.1	5576.2	5244.6	5038.1	5060.0
62.5°	5537.5	5554.3	5684.6	6029.2	6558.3	6906.7	6460.2	5878.2	5509.1	5301.3	5314.3
65°	5731.1	5741.4	5919.5	6282.1	6839.6	7199.7	6696.4	6096.3	5733.7	5522.0	5529.8
67.5°	5378.8	5395.6	5771.1	6271.8	6893.8	7204.8	6706.7	6102.7	5694.9	5418.8	5425.2
70°	4243.1	4228.9	4676.7	5537.5	6582.8	6988.0	6408.6	5644.6	5014.9	4629.0	4622.5
72.5°	3235.3	3239.1	3488.2	4078.0	5367.2	6448.6	5654.9	4545.1	3866.3	3573.4	3561.8
75°	2346.1	2382.3	2584.9	3017.2	3754.0	4820.0	4257.3	3368.2	2913.9	2738.4	2712.6
77.5°	1056.9	1103.4	1386.0	1894.4	2510.0	2663.6	2673.9	2286.8	1725.4	1433.7	1388.6
80°	308.4	330.4	424.6	726.5	1169.2	1511.2	1200.2	1009.2	628.5	493.0	469.7
82.5°	130.3	148.4	182.0	201.3	339.4	700.7	436.2	277.5	258.1	209.1	191.0
85°	55.5	59.4	76.1	81.3	109.7	149.7	138.1	125.2	120.0	92.9	85.2
87.5°	23.2	23.2	23.2	20.6	19.4	20.6	28.4	36.1	47.7	37.4	34.8
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)