

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: P635381

Luminaire Tested: GWS-SA3D-760-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635381  
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-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17999.7 lumens  
Efficiency: N/A  
Efficacy: 149.0 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

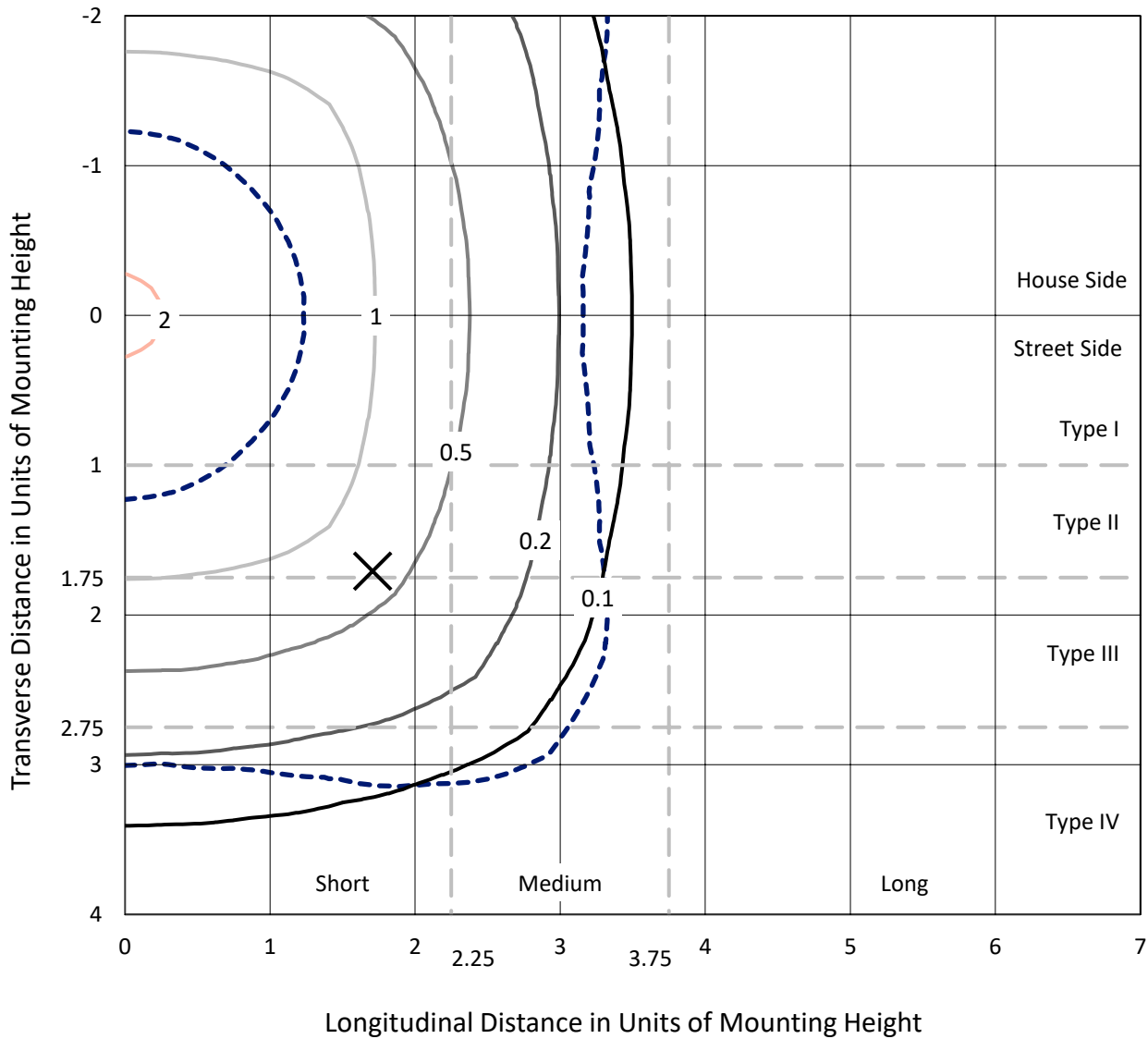
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

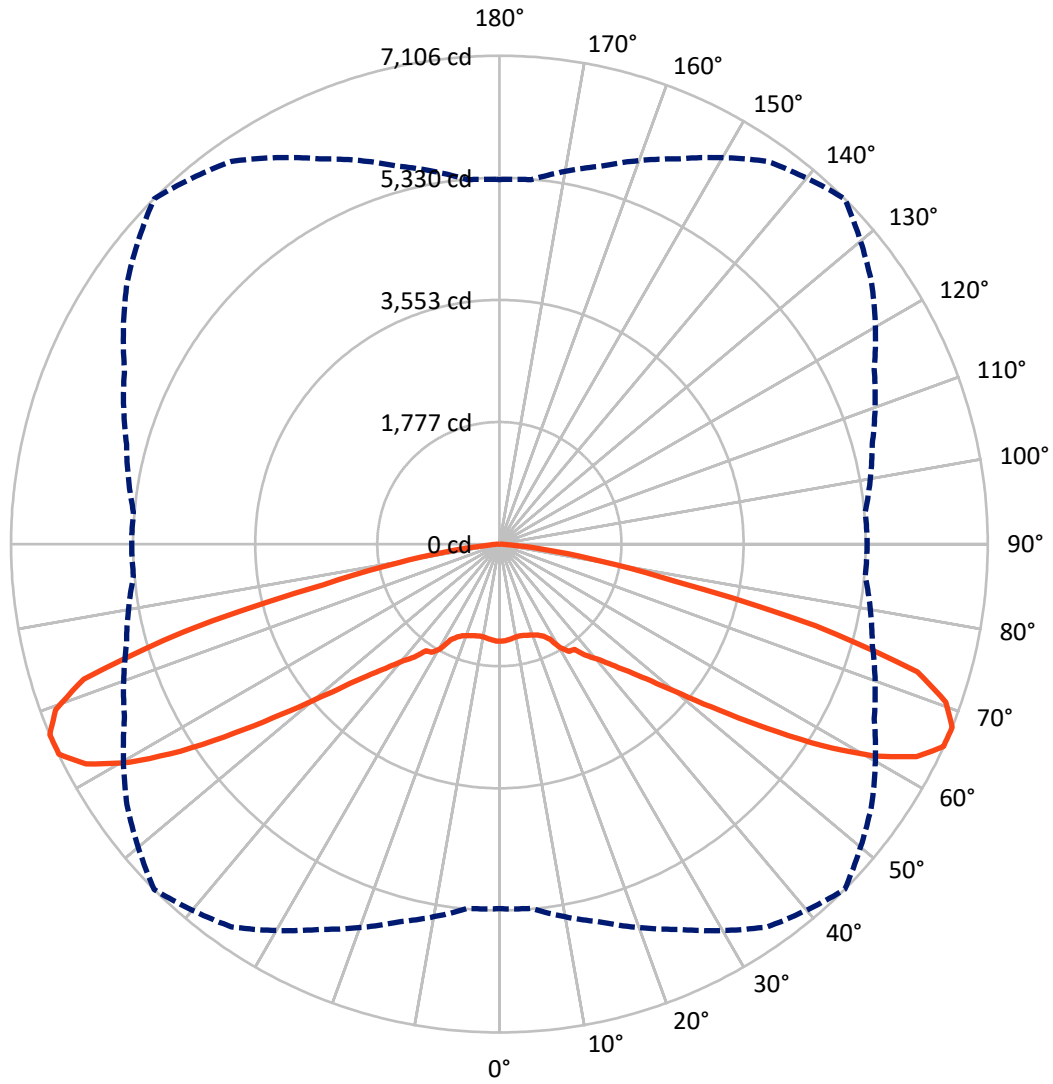
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	8999.9	0.0	8999.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8999.9	0.0	8999.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17999.7	0.0	17999.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	0.7
10°-20°	393.3	2.2
20°-30°	705.5	3.9
30°-40°	1191.8	6.6
40°-50°	2094.1	11.6
50°-60°	4039.5	22.4
60°-70°	5860.8	32.6
70°-80°	3353.3	18.6
80°-90°	228.9	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°	17999.7	100.0
0°-180°	17999.7	100.0

**Coefficient of Utilization**



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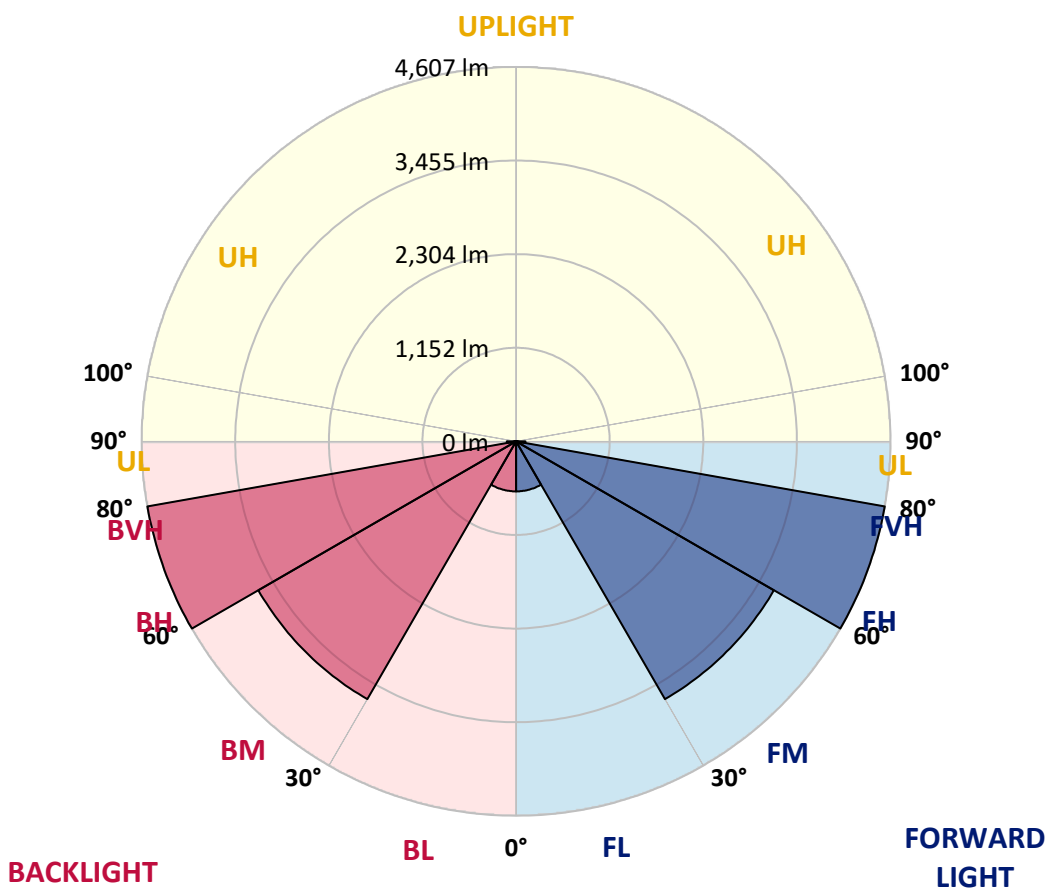
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.7	3.4			
FM (30°-60°)	3662.7	20.3			
FH (60°-80°)	4607.0	25.6			G2/5000
FVH (80°-90°)	114.4	0.6			G2/225
BL (0°-30°)	615.7	3.4	B2/1000		
BM (30°-60°)	3662.7	20.3	B3/5000		
BH (60°-80°)	4607.0	25.6	B4/5000		G2/5000
BVH (80°-90°)	114.4	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°	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5	1411.5
2.5°	1400.1	1401.4	1403.9	1403.9	1406.5	1410.3	1411.5	1409.0	1410.3	1403.9	1410.3
5°	1396.3	1397.5	1398.8	1396.3	1396.3	1397.5	1397.5	1395.0	1396.3	1389.9	1396.3
7.5°	1387.4	1388.6	1388.6	1384.8	1381.0	1383.5	1383.5	1381.0	1382.3	1375.9	1383.5
10°	1379.7	1379.7	1378.5	1370.8	1367.0	1370.8	1372.1	1373.4	1378.5	1373.4	1382.3
12.5°	1384.8	1384.8	1381.0	1370.8	1364.4	1367.0	1369.5	1372.1	1381.0	1379.7	1389.9
15°	1398.8	1400.1	1389.9	1378.5	1374.6	1378.5	1375.9	1374.6	1386.1	1389.9	1401.4
17.5°	1410.3	1410.3	1397.5	1386.1	1387.4	1393.7	1388.6	1382.3	1393.7	1401.4	1414.1
20°	1420.5	1419.2	1405.2	1397.5	1402.6	1411.5	1407.7	1398.8	1406.5	1415.4	1426.8
22.5°	1445.9	1444.6	1429.4	1425.5	1430.6	1439.5	1435.7	1428.1	1437.0	1449.7	1463.7
25°	1518.5	1515.9	1493.0	1480.3	1477.7	1484.1	1482.8	1480.3	1494.3	1509.6	1526.1
27.5°	1615.2	1613.9	1597.4	1584.6	1568.1	1563.0	1566.8	1578.3	1598.6	1610.1	1624.1
30°	1663.6	1663.6	1661.0	1681.4	1717.0	1751.4	1724.7	1681.4	1663.6	1658.5	1672.5
32.5°	1727.2	1733.6	1724.7	1747.6	1807.4	1858.3	1807.4	1737.4	1724.7	1724.7	1739.9
35°	1873.6	1876.1	1862.1	1858.3	1877.4	1883.8	1859.6	1834.1	1848.1	1850.7	1869.8
37.5°	1990.7	1990.7	1984.3	1994.5	2033.9	2058.1	2018.7	1972.9	1976.7	1979.2	2003.4
40°	2171.4	2176.5	2161.2	2160.0	2175.2	2196.9	2154.9	2125.6	2146.0	2152.3	2189.2
42.5°	2396.7	2396.7	2373.8	2367.4	2377.6	2400.5	2361.1	2342.0	2368.7	2373.8	2395.4
45°	2665.3	2671.6	2641.1	2629.6	2634.7	2642.3	2614.3	2605.4	2630.9	2642.3	2680.5
47.5°	2992.4	2998.7	2972.0	2970.7	2965.6	2970.7	2944.0	2938.9	2959.3	2950.4	2991.1
50°	3395.9	3407.3	3384.4	3416.2	3412.4	3427.7	3390.8	3364.0	3364.0	3339.8	3362.8
52.5°	3847.7	3870.6	3882.1	3935.5	3976.3	4014.4	3953.3	3911.3	3850.2	3800.6	3863.0
55°	4340.3	4333.9	4406.5	4523.6	4643.2	4733.6	4613.9	4481.6	4382.3	4279.2	4303.4
57.5°	4771.8	4793.4	4888.9	5102.7	5339.4	5530.4	5315.2	5060.7	4835.4	4687.8	4708.1
60°	5130.7	5148.5	5275.8	5583.8	5997.5	6260.9	5919.8	5499.8	5172.7	4969.0	4990.7
62.5°	5461.6	5478.2	5606.7	5946.6	6468.4	6812.1	6371.7	5797.6	5433.6	5228.7	5241.4
65°	5652.5	5662.7	5838.4	6196.0	6745.9	7101.0	6604.6	6012.7	5655.1	5446.3	5454.0
67.5°	5305.1	5321.6	5692.0	6185.8	6799.3	7106.1	6614.8	6019.1	5616.9	5344.5	5350.9
70°	4185.0	4171.0	4612.7	5461.6	6492.6	6892.3	6320.8	5567.3	4946.1	4565.6	4559.2
72.5°	3190.9	3194.7	3440.4	4022.1	5293.6	6360.2	5577.4	4482.8	3813.3	3524.4	3512.9
75°	2314.0	2349.6	2549.4	2975.8	3702.6	4753.9	4199.0	3322.0	2874.0	2700.9	2675.4
77.5°	1042.4	1088.3	1367.0	1868.5	2475.6	2627.1	2637.3	2255.4	1701.7	1414.1	1369.5
80°	304.2	325.8	418.8	716.6	1153.2	1490.5	1183.7	995.3	619.9	486.2	463.3
82.5°	128.6	146.4	179.5	198.6	334.7	691.1	430.2	273.7	254.6	206.2	188.4
85°	54.7	58.5	75.1	80.2	108.2	147.6	136.2	123.5	118.4	91.6	84.0
87.5°	22.9	22.9	22.9	20.4	19.1	20.4	28.0	35.6	47.1	36.9	34.4
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)