

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: P634880

Luminaire Tested: GWS-SA3C-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634880
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-SA3C-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14574.5 lumens
Efficiency: N/A
Efficacy: 156.7 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

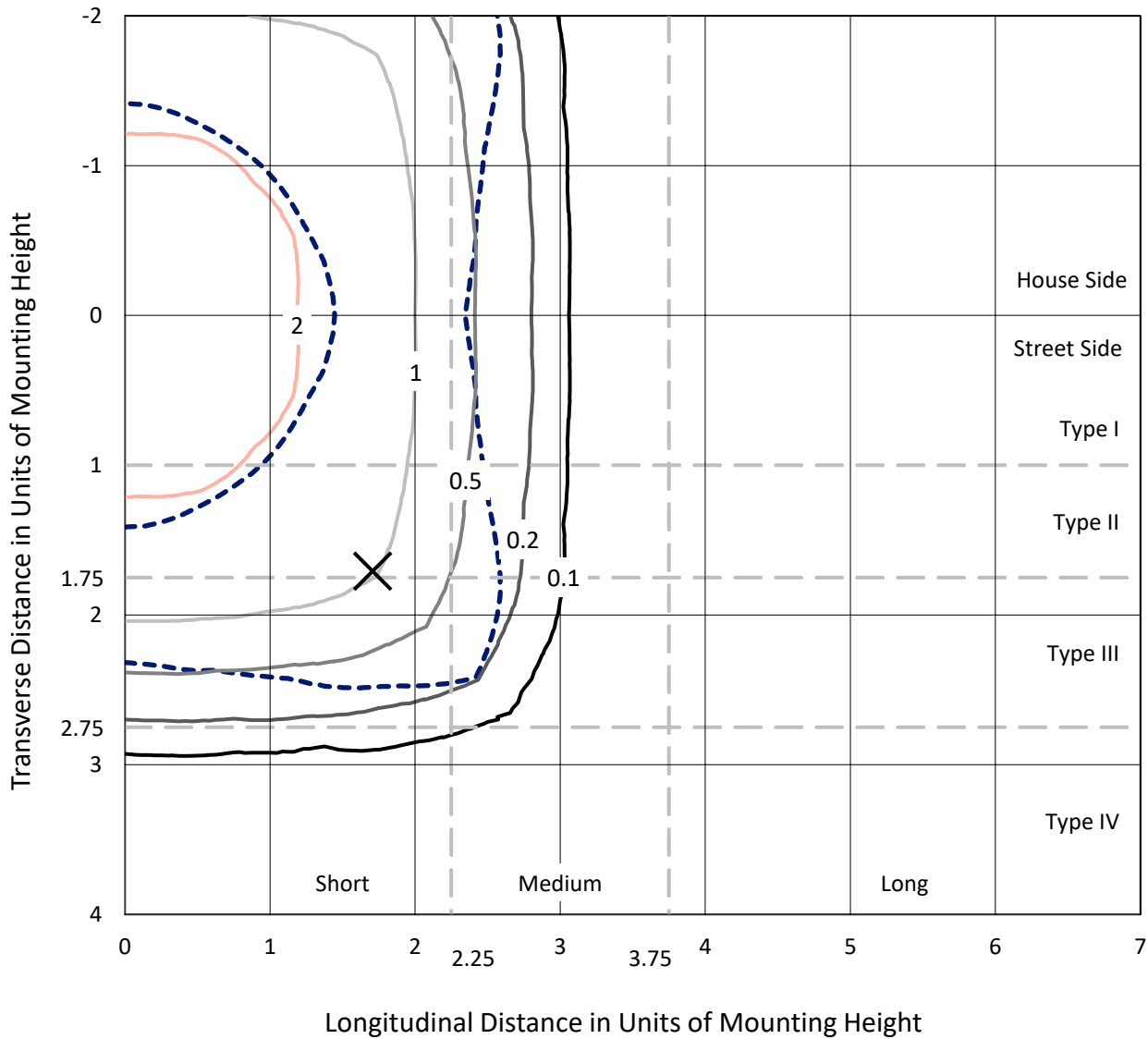
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

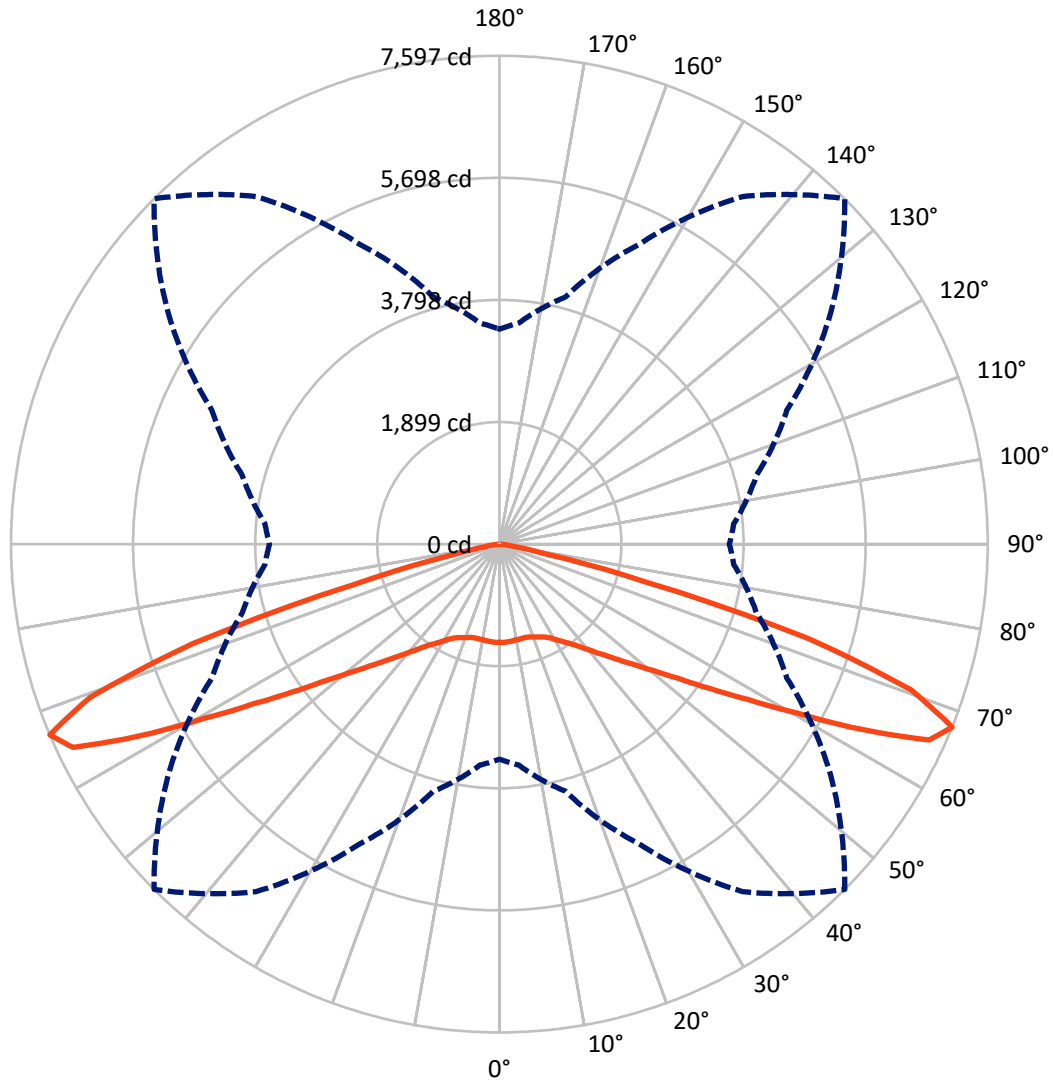
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 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	7287.3	0.0	7287.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7287.3	0.0	7287.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14574.5	0.0	14574.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	1.0
10°-20°	424.3	2.9
20°-30°	731.8	5.0
30°-40°	1190.0	8.2
40°-50°	2003.7	13.7
50°-60°	3550.2	24.4
60°-70°	5074.8	34.8
70°-80°	1392.8	9.6
80°-90°	62.4	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°	14574.5	100.0
0°-180°	14574.5	100.0

Coefficient of Utilization



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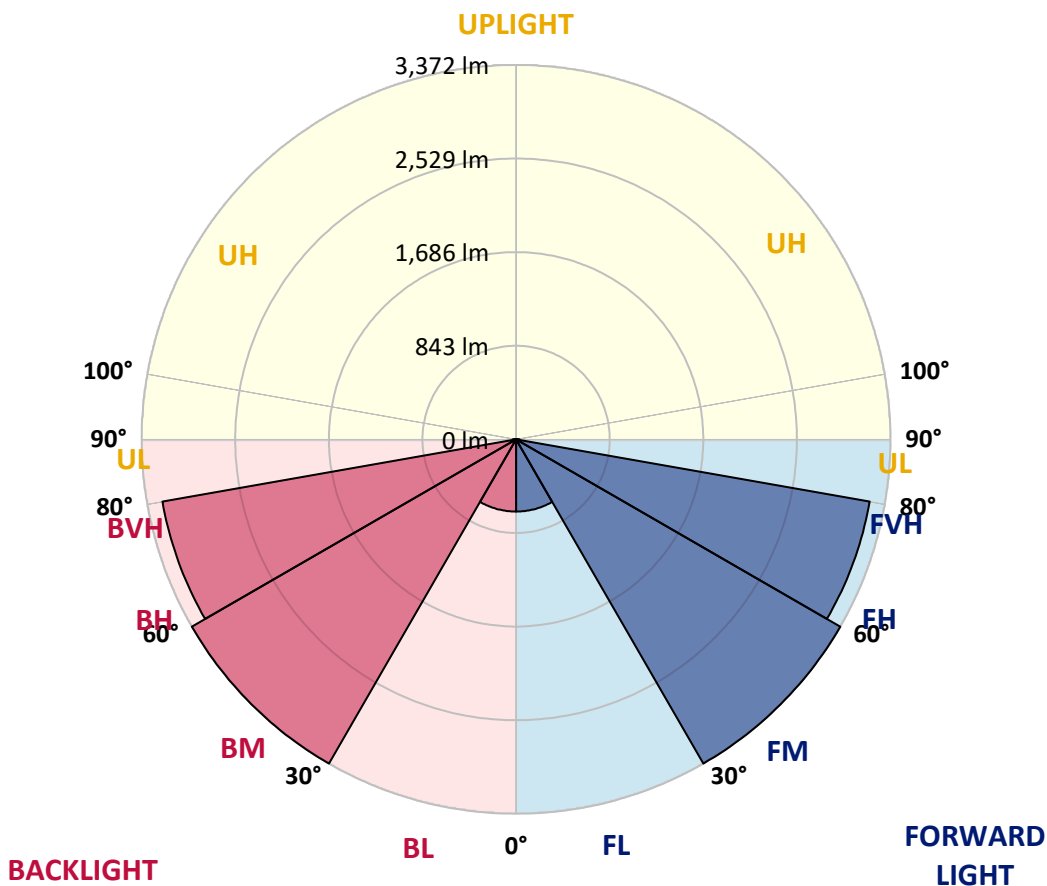
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.3	4.5			
FM (30°-60°)	3371.9	23.1			
FH (60°-80°)	3233.8	22.2			G2/5000
FVH (80°-90°)	31.2	0.2			G1/100
BL (0°-30°)	650.3	4.5	B2/1000		
BM (30°-60°)	3371.9	23.1	B3/5000		
BH (60°-80°)	3233.8	22.2	B4/5000		G2/5000
BVH (80°-90°)	31.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4	1526.4
2.5°	1516.3	1515.3	1520.4	1523.4	1522.4	1529.4	1528.4	1526.4	1526.4	1523.4	1531.5
5°	1516.3	1515.3	1519.4	1520.4	1518.4	1524.4	1522.4	1520.4	1520.4	1516.3	1523.4
7.5°	1508.3	1509.3	1512.3	1514.3	1512.3	1517.3	1514.3	1510.3	1509.3	1505.2	1512.3
10°	1493.1	1494.1	1497.2	1502.2	1503.2	1512.3	1507.3	1500.2	1497.2	1493.1	1500.2
12.5°	1484.0	1485.1	1488.1	1494.1	1496.2	1508.3	1503.2	1492.1	1487.1	1483.0	1490.1
15°	1482.0	1483.0	1487.1	1493.1	1496.2	1508.3	1503.2	1490.1	1483.0	1478.0	1484.0
17.5°	1482.0	1484.0	1490.1	1499.2	1505.2	1517.3	1511.3	1496.2	1486.1	1477.0	1483.0
20°	1483.0	1486.1	1495.1	1508.3	1523.4	1540.5	1532.5	1512.3	1498.2	1487.1	1491.1
22.5°	1492.1	1497.2	1508.3	1525.4	1547.6	1567.8	1560.7	1533.5	1513.3	1498.2	1502.2
25°	1523.4	1525.4	1539.5	1561.7	1582.9	1600.1	1593.0	1567.8	1542.6	1524.4	1529.4
27.5°	1578.9	1583.9	1596.0	1619.2	1637.4	1646.5	1645.5	1628.3	1603.1	1587.0	1591.0
30°	1645.5	1650.5	1666.7	1692.9	1711.0	1721.1	1718.1	1705.0	1681.8	1659.6	1663.6
32.5°	1723.2	1725.2	1744.3	1773.6	1792.8	1807.9	1797.8	1783.7	1754.4	1728.2	1730.2
35°	1822.0	1825.0	1845.2	1872.5	1887.6	1899.7	1897.7	1883.6	1852.3	1824.0	1831.1
37.5°	1946.1	1948.1	1966.3	2000.6	2012.7	2021.8	2023.8	2016.7	1984.4	1948.1	1955.2
40°	2100.5	2101.5	2121.7	2151.9	2165.0	2171.1	2172.1	2173.1	2139.8	2112.6	2110.6
42.5°	2280.0	2285.1	2313.3	2342.6	2348.7	2345.6	2355.7	2365.8	2333.5	2296.2	2299.2
45°	2494.9	2498.0	2536.3	2568.6	2557.5	2547.4	2566.6	2586.7	2557.5	2509.1	2494.9
47.5°	2749.2	2755.2	2796.6	2828.9	2810.7	2792.6	2823.8	2845.0	2797.6	2746.1	2733.0
50°	3036.7	3040.7	3099.3	3139.6	3118.4	3085.1	3124.5	3146.7	3083.1	3019.6	2991.3
52.5°	3376.7	3368.6	3446.3	3516.9	3503.8	3460.4	3492.7	3496.7	3401.9	3312.1	3283.9
55°	3791.3	3783.3	3861.0	3938.6	3970.9	3959.8	3944.7	3920.5	3780.2	3684.4	3658.2
57.5°	4274.6	4249.4	4358.3	4463.2	4533.9	4554.0	4489.5	4433.0	4322.0	4204.0	4173.7
60°	4723.5	4722.5	4895.0	5076.6	5270.3	5351.1	5187.6	5034.3	4785.1	4570.2	4526.8
62.5°	4849.6	4870.8	5153.3	5603.3	6081.5	6367.0	5936.2	5428.7	4947.5	4623.7	4566.2
65°	4538.9	4591.4	4992.9	5703.1	6647.5	7345.6	6373.0	5437.8	4766.9	4363.4	4302.8
67.5°	3345.4	3450.3	3982.0	5146.3	6599.0	7596.8	6295.4	4934.4	4140.4	3660.2	3576.4
70°	1650.5	1750.4	2172.1	3385.8	5429.7	6790.7	5446.9	3718.7	2796.6	2334.5	2257.9
72.5°	607.3	647.7	813.2	1448.7	2996.3	5016.1	3724.8	2077.3	1354.9	1078.5	1027.0
75°	297.6	304.7	329.9	486.3	1105.7	2360.8	1750.4	797.0	498.4	433.8	419.7
77.5°	189.7	192.7	204.8	232.0	355.1	743.5	530.7	314.8	244.1	234.1	234.1
80°	105.9	109.0	125.1	144.3	166.5	255.2	190.7	188.7	160.4	140.2	137.2
82.5°	50.4	55.5	79.7	78.7	87.8	128.1	112.0	101.9	102.9	77.7	73.6
85°	23.2	23.2	31.3	37.3	39.3	43.4	51.5	58.5	57.5	39.3	42.4
87.5°	11.1	11.1	11.1	10.1	9.1	8.1	11.1	18.2	26.2	18.2	17.2
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)