

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: P634715

Luminaire Tested: GWS-SA3C-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634715
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-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14248 lumens
Efficiency: N/A
Efficacy: 153.2 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

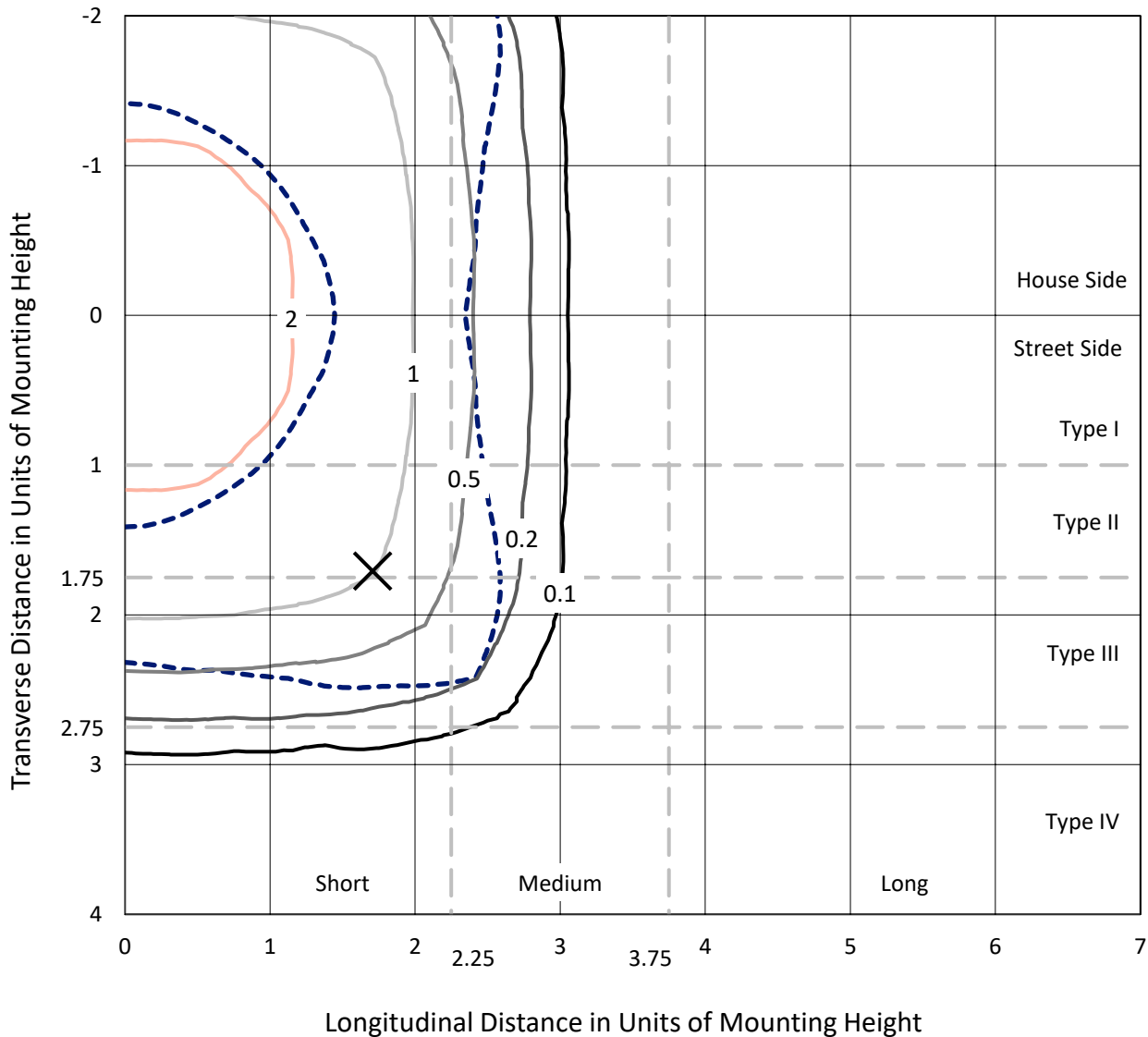
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

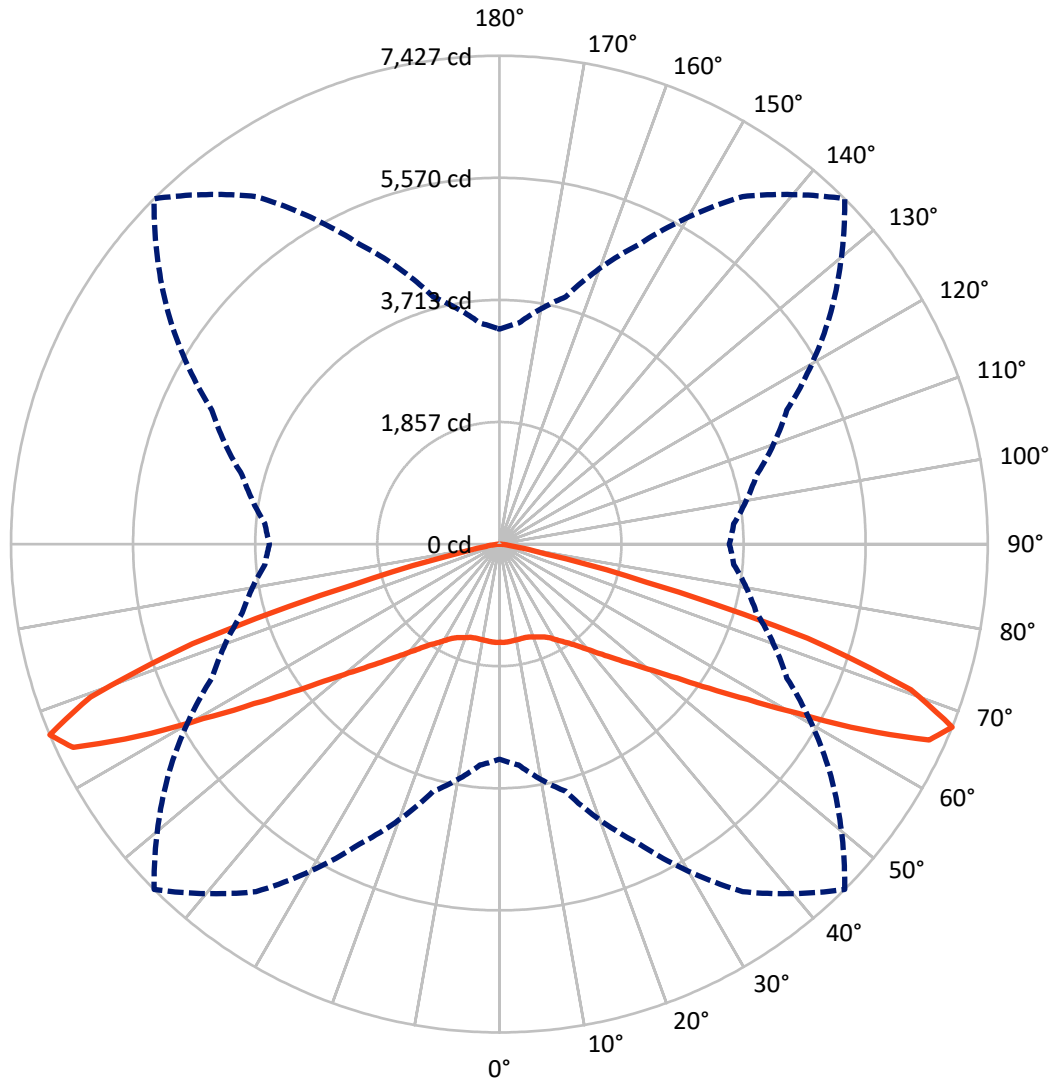
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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	7124.0	0.0	7124.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7124.0	0.0	7124.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14248.0	0.0	14248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.0
10°-20°	414.8	2.9
20°-30°	715.4	5.0
30°-40°	1163.3	8.2
40°-50°	1958.8	13.7
50°-60°	3470.7	24.4
60°-70°	4961.1	34.8
70°-80°	1361.6	9.6
80°-90°	61.0	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°	14248.0	100.0
0°-180°	14248.0	100.0

Coefficient of Utilization



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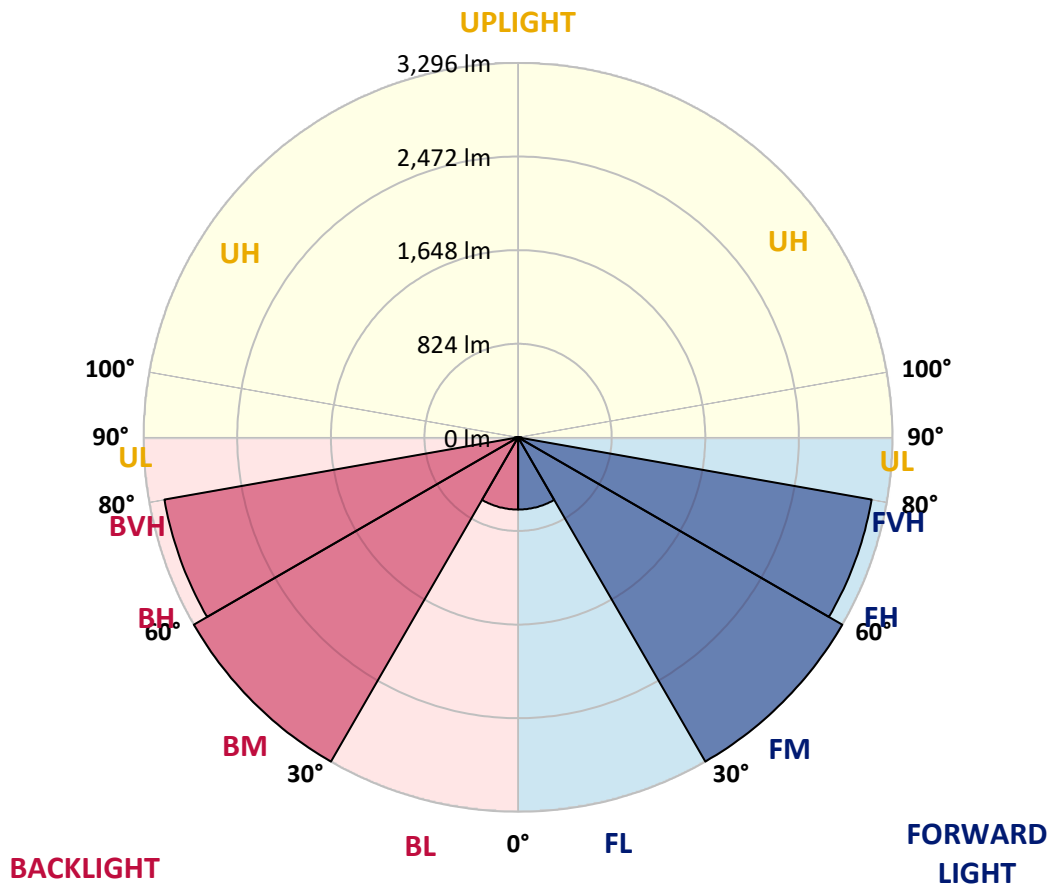
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	635.7	4.5			
FM (30°-60°)	3296.4	23.1			
FH (60°-80°)	3161.3	22.2			G2/5000
FVH (80°-90°)	30.5	0.2			G1/100
BL (0°-30°)	635.7	4.5	B2/1000		
BM (30°-60°)	3296.4	23.1	B3/5000		
BH (60°-80°)	3161.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	30.5	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°	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2	1492.2
2.5°	1482.4	1481.4	1486.3	1489.3	1488.3	1495.2	1494.2	1492.2	1492.2	1489.3	1497.2
5°	1482.4	1481.4	1485.3	1486.3	1484.3	1490.3	1488.3	1486.3	1486.3	1482.4	1489.3
7.5°	1474.5	1475.5	1478.4	1480.4	1478.4	1483.4	1480.4	1476.4	1475.5	1471.5	1478.4
10°	1459.7	1460.7	1463.6	1468.6	1469.5	1478.4	1473.5	1466.6	1463.6	1459.7	1466.6
12.5°	1450.8	1451.8	1454.7	1460.7	1462.6	1474.5	1469.5	1458.7	1453.8	1449.8	1456.7
15°	1448.8	1449.8	1453.8	1459.7	1462.6	1474.5	1469.5	1456.7	1449.8	1444.9	1450.8
17.5°	1448.8	1450.8	1456.7	1465.6	1471.5	1483.4	1477.4	1462.6	1452.8	1443.9	1449.8
20°	1449.8	1452.8	1461.7	1474.5	1489.3	1506.0	1498.1	1478.4	1464.6	1453.8	1457.7
22.5°	1458.7	1463.6	1474.5	1491.2	1512.9	1532.7	1525.8	1499.1	1479.4	1464.6	1468.6
25°	1489.3	1491.2	1505.0	1526.7	1547.5	1564.2	1557.3	1532.7	1508.0	1490.3	1495.2
27.5°	1543.5	1548.4	1560.3	1583.0	1600.7	1609.6	1608.6	1591.8	1567.2	1551.4	1555.3
30°	1608.6	1613.5	1629.3	1655.0	1672.7	1682.6	1679.6	1666.8	1644.1	1622.4	1626.4
32.5°	1684.5	1686.5	1705.3	1733.9	1752.6	1767.4	1757.5	1743.7	1715.1	1689.5	1691.5
35°	1781.2	1784.2	1803.9	1830.5	1845.3	1857.1	1855.2	1841.4	1810.8	1783.2	1790.1
37.5°	1902.5	1904.5	1922.2	1955.8	1967.6	1976.5	1978.5	1971.6	1940.0	1904.5	1911.4
40°	2053.4	2054.4	2074.1	2103.7	2116.5	2122.5	2123.4	2124.4	2091.9	2065.3	2063.3
42.5°	2229.0	2233.9	2261.5	2290.1	2296.0	2293.1	2302.9	2312.8	2281.2	2244.8	2247.7
45°	2439.0	2442.0	2479.5	2511.0	2500.2	2490.3	2509.1	2528.8	2500.2	2452.9	2439.0
47.5°	2687.6	2693.5	2733.9	2765.5	2747.7	2730.0	2760.6	2781.3	2734.9	2684.6	2671.8
50°	2968.7	2972.6	3029.8	3069.3	3048.6	3016.0	3054.5	3076.2	3014.0	2951.9	2924.3
52.5°	3301.0	3293.2	3369.1	3438.1	3425.3	3382.9	3414.5	3418.4	3325.7	3237.9	3210.3
55°	3706.4	3698.5	3774.5	3850.4	3882.0	3871.1	3856.3	3832.6	3695.6	3601.9	3576.2
57.5°	4178.8	4154.2	4260.7	4363.3	4432.3	4452.0	4388.9	4333.7	4225.2	4109.8	4080.2
60°	4617.7	4616.7	4785.4	4962.9	5152.3	5231.2	5071.4	4921.5	4677.9	4467.8	4425.4
62.5°	4741.0	4761.7	5037.9	5477.7	5945.2	6224.4	5803.2	5307.1	4836.7	4520.1	4463.9
65°	4437.2	4488.5	4881.1	5575.4	6498.5	7181.0	6230.3	5316.0	4660.1	4265.6	4206.4
67.5°	3270.5	3373.0	3892.8	5031.0	6451.2	7426.6	6154.3	4823.8	4047.7	3578.2	3496.3
70°	1613.5	1711.2	2123.4	3309.9	5308.1	6638.6	5324.9	3635.4	2733.9	2282.2	2207.3
72.5°	593.7	633.2	794.9	1416.3	2929.2	4903.7	3641.3	2030.7	1324.6	1054.3	1004.0
75°	290.9	297.9	322.5	475.4	1081.0	2307.9	1711.2	779.2	487.2	424.1	410.3
77.5°	185.4	188.4	200.2	226.8	347.2	726.9	518.8	307.7	238.7	228.8	228.8
80°	103.6	106.5	122.3	141.0	162.7	249.5	186.4	184.4	156.8	137.1	134.1
82.5°	49.3	54.2	77.9	76.9	85.8	125.3	109.5	99.6	100.6	75.9	72.0
85°	22.7	22.7	30.6	36.5	38.5	42.4	50.3	57.2	56.2	38.5	41.4
87.5°	10.8	10.8	10.8	9.9	8.9	7.9	10.8	17.8	25.6	17.8	16.8
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)