

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: P634825

Luminaire Tested: GWS-SA3C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634825
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-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14777 lumens
Efficiency: N/A
Efficacy: 158.9 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

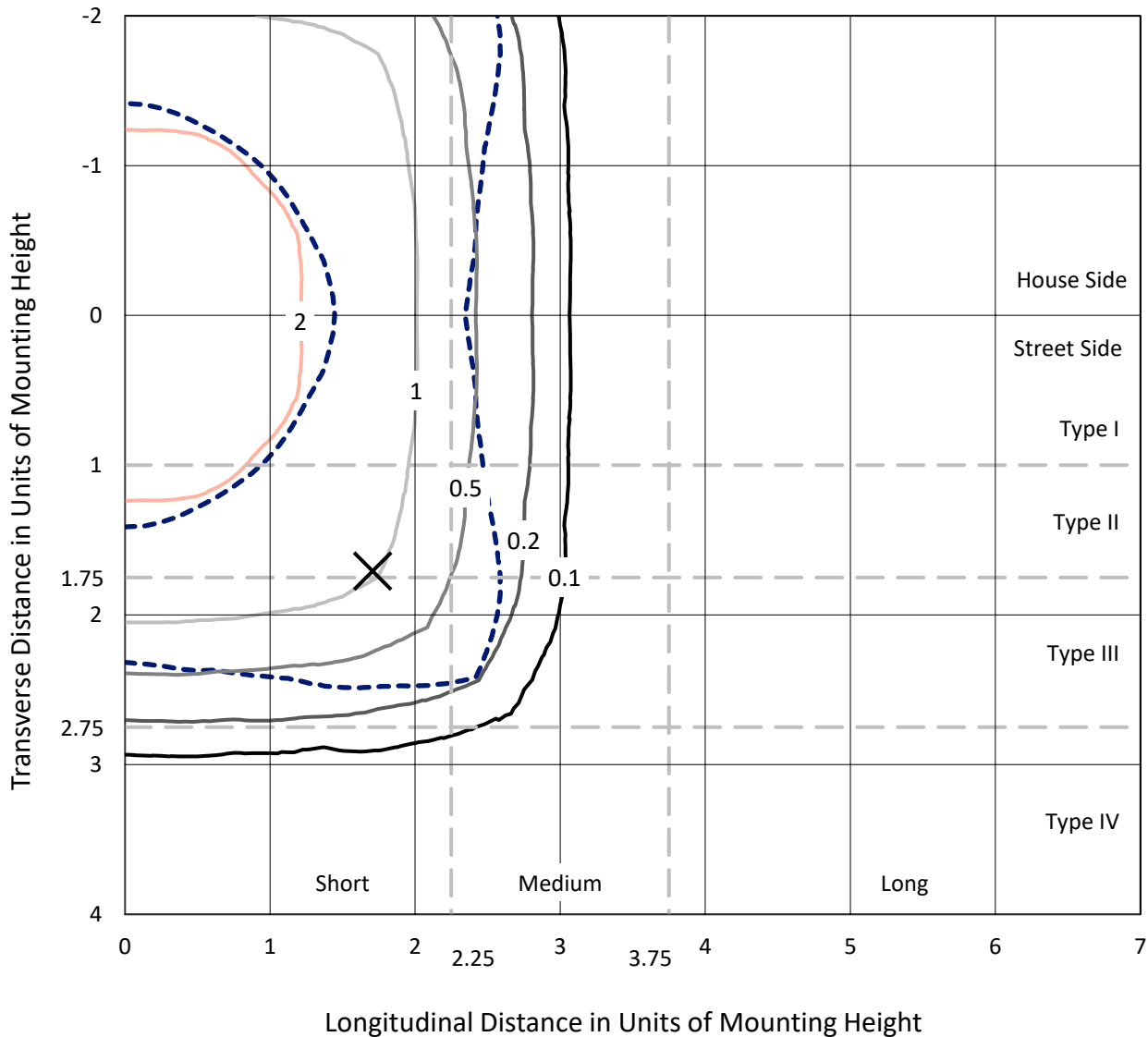
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

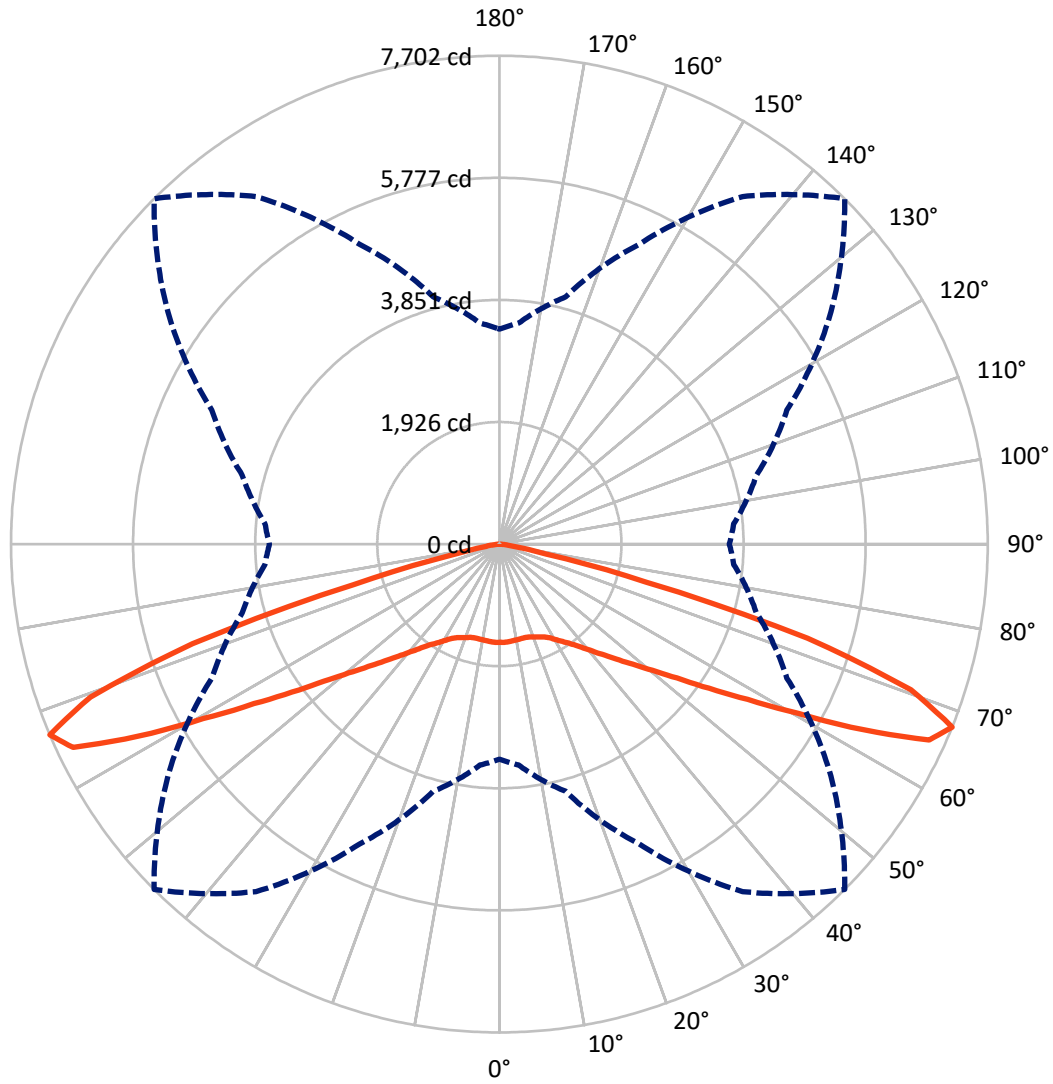
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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	7388.5	0.0	7388.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7388.5	0.0	7388.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14777.0	0.0	14777.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.0
10°-20°	430.2	2.9
20°-30°	742.0	5.0
30°-40°	1206.5	8.2
40°-50°	2031.5	13.7
50°-60°	3599.5	24.4
60°-70°	5145.3	34.8
70°-80°	1412.2	9.6
80°-90°	63.3	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°	14777.0	100.0
0°-180°	14777.0	100.0

Coefficient of Utilization



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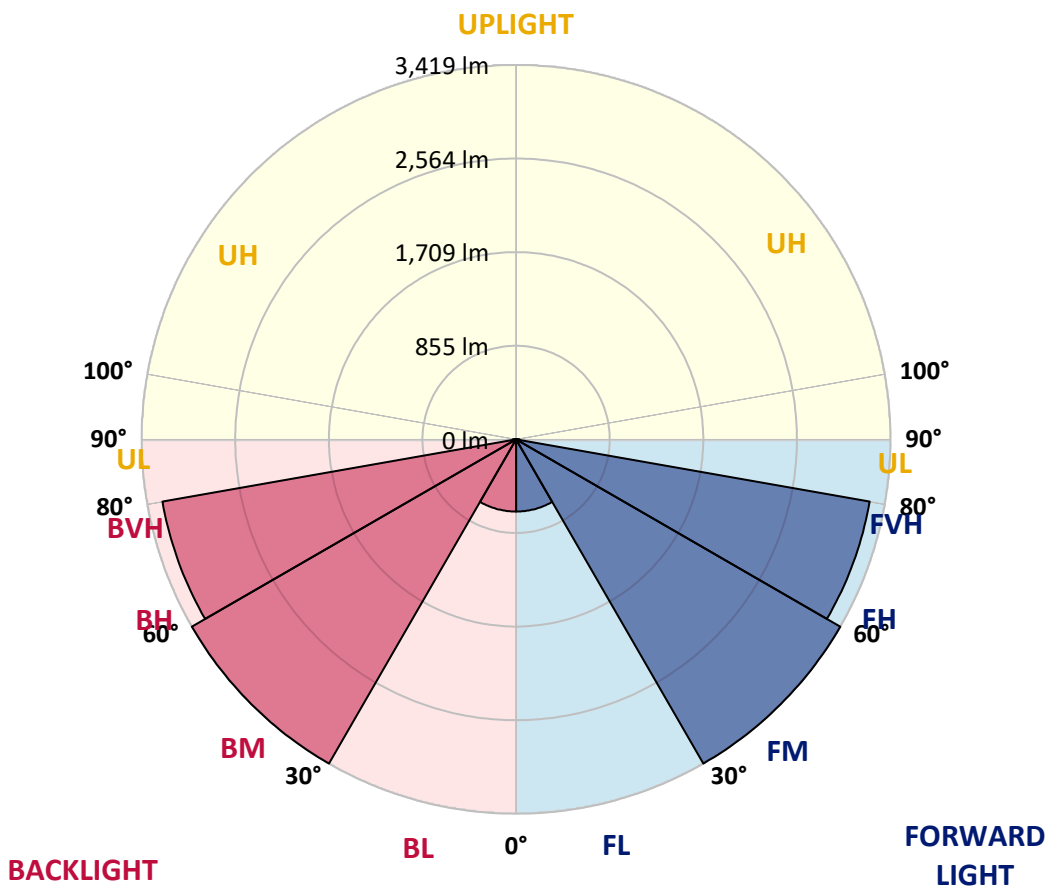
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.3	4.5			
FM (30°-60°)	3418.8	23.1			
FH (60°-80°)	3278.7	22.2			G2/5000
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	659.3	4.5	B2/1000		
BM (30°-60°)	3418.8	23.1	B3/5000		
BH (60°-80°)	3278.7	22.2	B4/5000		G2/5000
BVH (80°-90°)	31.6	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°	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6	1547.6
2.5°	1537.4	1536.4	1541.5	1544.6	1543.5	1550.7	1549.7	1547.6	1547.6	1544.6	1552.7
5°	1537.4	1536.4	1540.5	1541.5	1539.4	1545.6	1543.5	1541.5	1541.5	1537.4	1544.6
7.5°	1529.2	1530.2	1533.3	1535.4	1533.3	1538.4	1535.4	1531.3	1530.2	1526.1	1533.3
10°	1513.9	1514.9	1518.0	1523.1	1524.1	1533.3	1528.2	1521.0	1518.0	1513.9	1521.0
12.5°	1504.7	1505.7	1508.8	1514.9	1516.9	1529.2	1524.1	1512.9	1507.7	1503.6	1510.8
15°	1502.6	1503.6	1507.7	1513.9	1516.9	1529.2	1524.1	1510.8	1503.6	1498.5	1504.7
17.5°	1502.6	1504.7	1510.8	1520.0	1526.1	1538.4	1532.3	1516.9	1506.7	1497.5	1503.6
20°	1503.6	1506.7	1515.9	1529.2	1544.6	1562.0	1553.8	1533.3	1519.0	1507.7	1511.8
22.5°	1512.9	1518.0	1529.2	1546.6	1569.1	1589.6	1582.4	1554.8	1534.3	1519.0	1523.1
25°	1544.6	1546.6	1560.9	1583.4	1604.9	1622.3	1615.1	1589.6	1564.0	1545.6	1550.7
27.5°	1600.8	1605.9	1618.2	1641.7	1660.1	1669.4	1668.3	1650.9	1625.4	1609.0	1613.1
30°	1668.3	1673.4	1689.8	1716.4	1734.8	1745.0	1742.0	1728.7	1705.2	1682.7	1686.7
32.5°	1747.1	1749.1	1768.6	1798.2	1817.7	1833.0	1822.8	1808.5	1778.8	1752.2	1754.3
35°	1847.3	1850.4	1870.9	1898.5	1913.8	1926.1	1924.1	1909.7	1878.0	1849.4	1856.5
37.5°	1973.2	1975.2	1993.6	2028.4	2040.7	2049.9	2051.9	2044.8	2012.0	1975.2	1982.4
40°	2129.7	2130.7	2151.1	2181.8	2195.1	2201.3	2202.3	2203.3	2169.5	2141.9	2139.9
42.5°	2311.7	2316.8	2345.5	2375.1	2381.3	2378.2	2388.4	2398.7	2365.9	2328.1	2331.2
45°	2529.6	2532.7	2571.5	2604.3	2593.0	2582.8	2602.2	2622.7	2593.0	2543.9	2529.6
47.5°	2787.4	2793.5	2835.4	2868.2	2849.8	2831.4	2863.1	2884.5	2836.5	2784.3	2771.0
50°	3078.9	3083.0	3142.3	3183.2	3161.7	3128.0	3167.9	3190.4	3125.9	3061.5	3032.9
52.5°	3423.6	3415.4	3494.2	3565.8	3552.5	3508.5	3541.2	3545.3	3449.2	3358.1	3329.5
55°	3844.0	3835.8	3914.6	3993.4	4026.1	4014.8	3999.5	3974.9	3832.8	3735.6	3709.0
57.5°	4334.0	4308.4	4418.9	4525.3	4596.9	4617.3	4551.9	4494.6	4382.1	4262.4	4231.7
60°	4789.2	4788.1	4963.1	5147.2	5343.6	5425.4	5259.7	5104.2	4851.6	4633.7	4589.7
62.5°	4917.0	4938.5	5224.9	5681.1	6166.0	6455.4	6018.7	5504.2	5016.2	4687.9	4629.6
65°	4602.0	4655.2	5062.3	5782.4	6739.8	7447.7	6461.6	5513.4	4833.1	4424.0	4362.6
67.5°	3391.9	3498.3	4037.3	5217.8	6690.7	7702.4	6382.8	5002.9	4197.9	3711.0	3626.1
70°	1673.4	1774.7	2202.3	3432.8	5505.2	6885.1	5522.6	3770.4	2835.4	2367.0	2289.2
72.5°	615.8	656.7	824.4	1468.9	3038.0	5085.8	3776.5	2106.1	1373.7	1093.5	1041.3
75°	301.8	308.9	334.5	493.0	1121.1	2393.6	1774.7	808.1	505.3	439.8	425.5
77.5°	192.3	195.4	207.6	235.3	360.1	753.9	538.0	319.1	247.5	237.3	237.3
80°	107.4	110.5	126.8	146.3	168.8	258.8	193.3	191.3	162.6	142.2	139.1
82.5°	51.1	56.3	80.8	79.8	89.0	129.9	113.5	103.3	104.3	78.8	74.7
85°	23.5	23.5	31.7	37.8	39.9	44.0	52.2	59.3	58.3	39.9	43.0
87.5°	11.3	11.3	11.3	10.2	9.2	8.2	11.3	18.4	26.6	18.4	17.4
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)