

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: P633340

Luminaire Tested: GWS-SA2E-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633340
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-SA2E-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15456.6 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

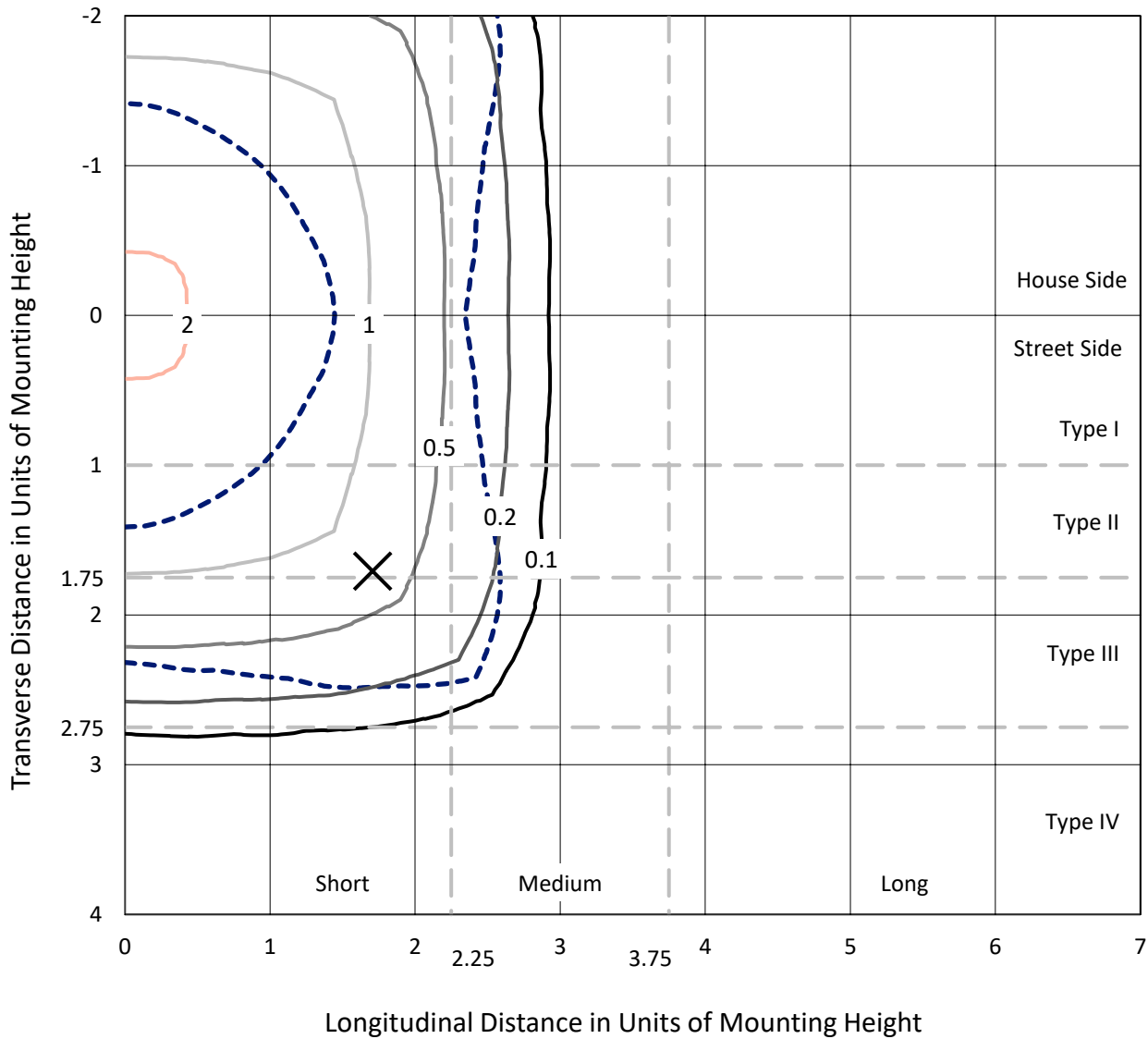
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

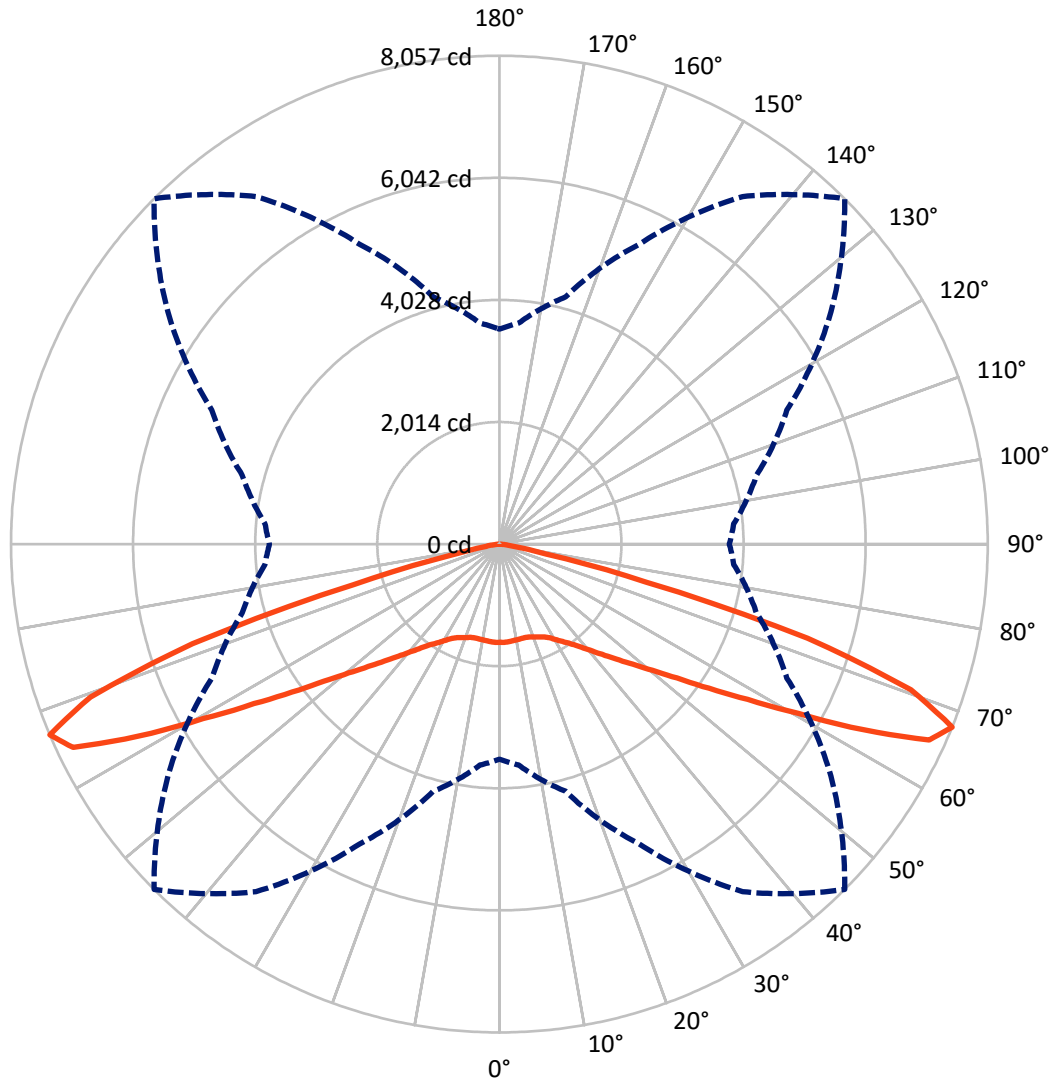
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	7728.3	0.0	7728.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7728.3	0.0	7728.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15456.6	0.0	15456.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	1.0
10°-20°	450.0	2.9
20°-30°	776.1	5.0
30°-40°	1262.0	8.2
40°-50°	2125.0	13.7
50°-60°	3765.1	24.4
60°-70°	5381.9	34.8
70°-80°	1477.1	9.6
80°-90°	66.2	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°	15456.6	100.0
0°-180°	15456.6	100.0

Coefficient of Utilization



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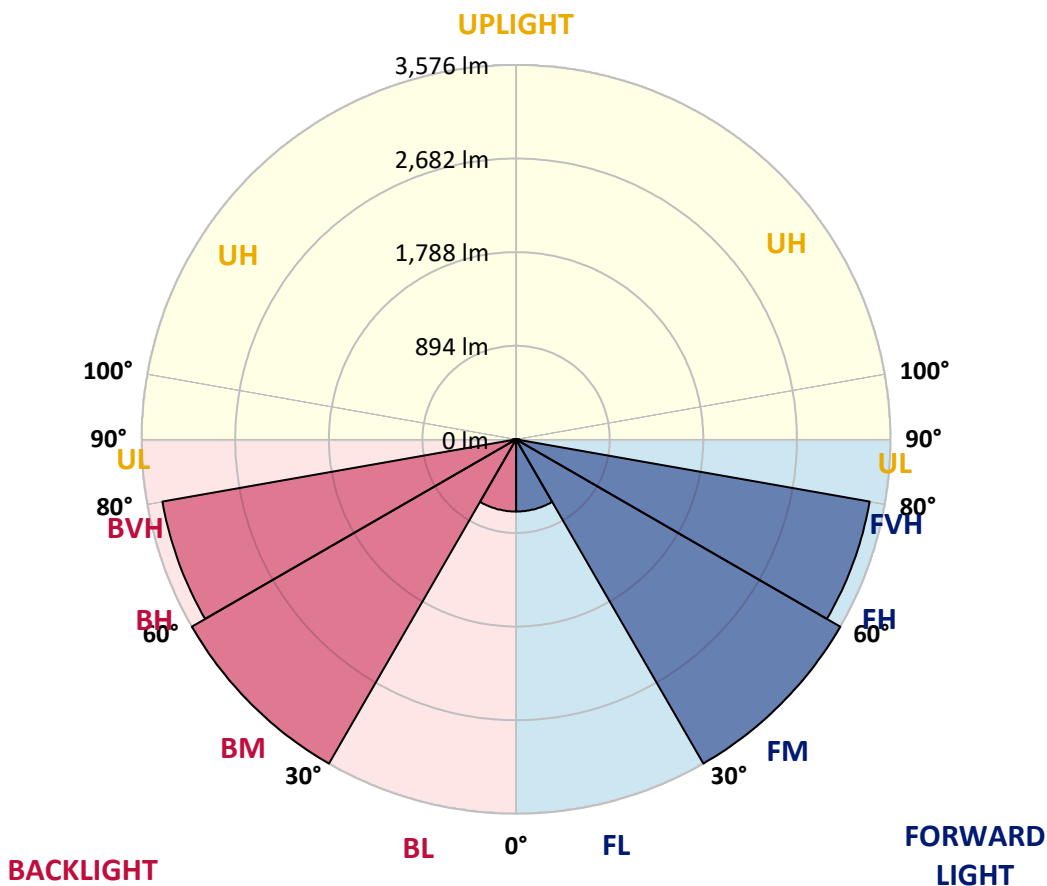
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.7	4.5			
FM (30°-60°)	3576.0	23.1			
FH (60°-80°)	3429.5	22.2			G2/5000
FVH (80°-90°)	33.1	0.2			G1/100
BL (0°-30°)	689.7	4.5	B2/1000		
BM (30°-60°)	3576.0	23.1	B3/5000		
BH (60°-80°)	3429.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	33.1	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°	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8	1618.8
2.5°	1608.1	1607.0	1612.4	1615.6	1614.5	1622.0	1620.9	1618.8	1618.8	1615.6	1624.2
5°	1608.1	1607.0	1611.3	1612.4	1610.2	1616.7	1614.5	1612.4	1612.4	1608.1	1615.6
7.5°	1599.5	1600.6	1603.8	1606.0	1603.8	1609.2	1606.0	1601.7	1600.6	1596.3	1603.8
10°	1583.5	1584.6	1587.8	1593.1	1594.2	1603.8	1598.5	1591.0	1587.8	1583.5	1591.0
12.5°	1573.9	1574.9	1578.1	1584.6	1586.7	1599.5	1594.2	1582.4	1577.1	1572.8	1580.3
15°	1571.7	1572.8	1577.1	1583.5	1586.7	1599.5	1594.2	1580.3	1572.8	1567.4	1573.9
17.5°	1571.7	1573.9	1580.3	1589.9	1596.3	1609.2	1602.8	1586.7	1576.0	1566.4	1572.8
20°	1572.8	1576.0	1585.6	1599.5	1615.6	1633.8	1625.2	1603.8	1588.8	1577.1	1581.4
22.5°	1582.4	1587.8	1599.5	1617.7	1641.3	1662.7	1655.2	1626.3	1604.9	1588.8	1593.1
25°	1615.6	1617.7	1632.7	1656.3	1678.7	1696.9	1689.4	1662.7	1635.9	1616.7	1622.0
27.5°	1674.4	1679.8	1692.6	1717.2	1736.5	1746.1	1745.1	1726.9	1700.1	1683.0	1687.3
30°	1745.1	1750.4	1767.5	1795.3	1814.6	1825.3	1822.1	1808.2	1783.6	1760.0	1764.3
32.5°	1827.4	1829.6	1849.9	1880.9	1901.3	1917.3	1906.6	1891.6	1860.6	1832.8	1834.9
35°	1932.3	1935.5	1956.9	1985.8	2001.8	2014.7	2012.5	1997.6	1964.4	1934.4	1941.9
37.5°	2063.9	2066.0	2085.3	2121.7	2134.5	2144.1	2146.3	2138.8	2104.6	2066.0	2073.5
40°	2227.6	2228.7	2250.1	2282.2	2296.1	2302.5	2303.6	2304.6	2269.3	2240.4	2238.3
42.5°	2418.0	2423.4	2453.4	2484.4	2490.8	2487.6	2498.3	2509.0	2474.8	2435.2	2438.4
45°	2645.9	2649.2	2689.8	2724.0	2712.3	2701.6	2721.9	2743.3	2712.3	2660.9	2645.9
47.5°	2915.6	2922.0	2965.9	3000.1	2980.8	2961.6	2994.7	3017.2	2966.9	2912.4	2898.4
50°	3220.5	3224.8	3286.8	3329.6	3307.2	3271.9	3313.6	3337.1	3269.7	3202.3	3172.3
52.5°	3581.1	3572.5	3654.9	3729.8	3715.9	3669.9	3704.1	3708.4	3607.8	3512.6	3482.6
55°	4020.8	4012.2	4094.6	4177.0	4211.3	4199.5	4183.4	4157.8	4009.0	3907.4	3879.6
57.5°	4533.3	4506.6	4622.1	4733.4	4808.3	4829.7	4761.2	4701.3	4583.6	4458.4	4426.3
60°	5009.4	5008.3	5191.3	5383.9	5589.3	5674.9	5501.6	5339.0	5074.7	4846.8	4800.8
62.5°	5143.2	5165.6	5465.2	5942.4	6449.5	6752.3	6295.5	5757.3	5246.9	4903.5	4842.5
65°	4813.6	4869.3	5295.1	6048.3	7049.8	7790.2	6758.8	5766.9	5055.4	4627.5	4563.3
67.5°	3547.9	3659.2	4223.0	5457.7	6998.4	8056.6	6676.4	5233.0	4391.0	3881.7	3792.9
70°	1750.4	1856.3	2303.6	3590.7	5758.4	7201.7	5776.6	3943.8	2965.9	2475.8	2394.5
72.5°	644.1	686.9	862.4	1536.4	3177.7	5319.7	3950.2	2203.0	1436.9	1143.8	1089.2
75°	315.6	323.1	349.9	515.7	1172.6	2503.6	1856.3	845.2	528.5	460.1	445.1
77.5°	201.1	204.4	217.2	246.1	376.6	788.5	562.8	333.8	258.9	248.2	248.2
80°	112.3	115.6	132.7	153.0	176.5	270.7	202.2	200.1	170.1	148.7	145.5
82.5°	53.5	58.8	84.5	83.5	93.1	135.9	118.8	108.1	109.1	82.4	78.1
85°	24.6	24.6	33.2	39.6	41.7	46.0	54.6	62.1	61.0	41.7	44.9
87.5°	11.8	11.8	11.8	10.7	9.6	8.6	11.8	19.3	27.8	19.3	18.2
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)