

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: P633395

Luminaire Tested: GWS-SA2E-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633395
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15244.8 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

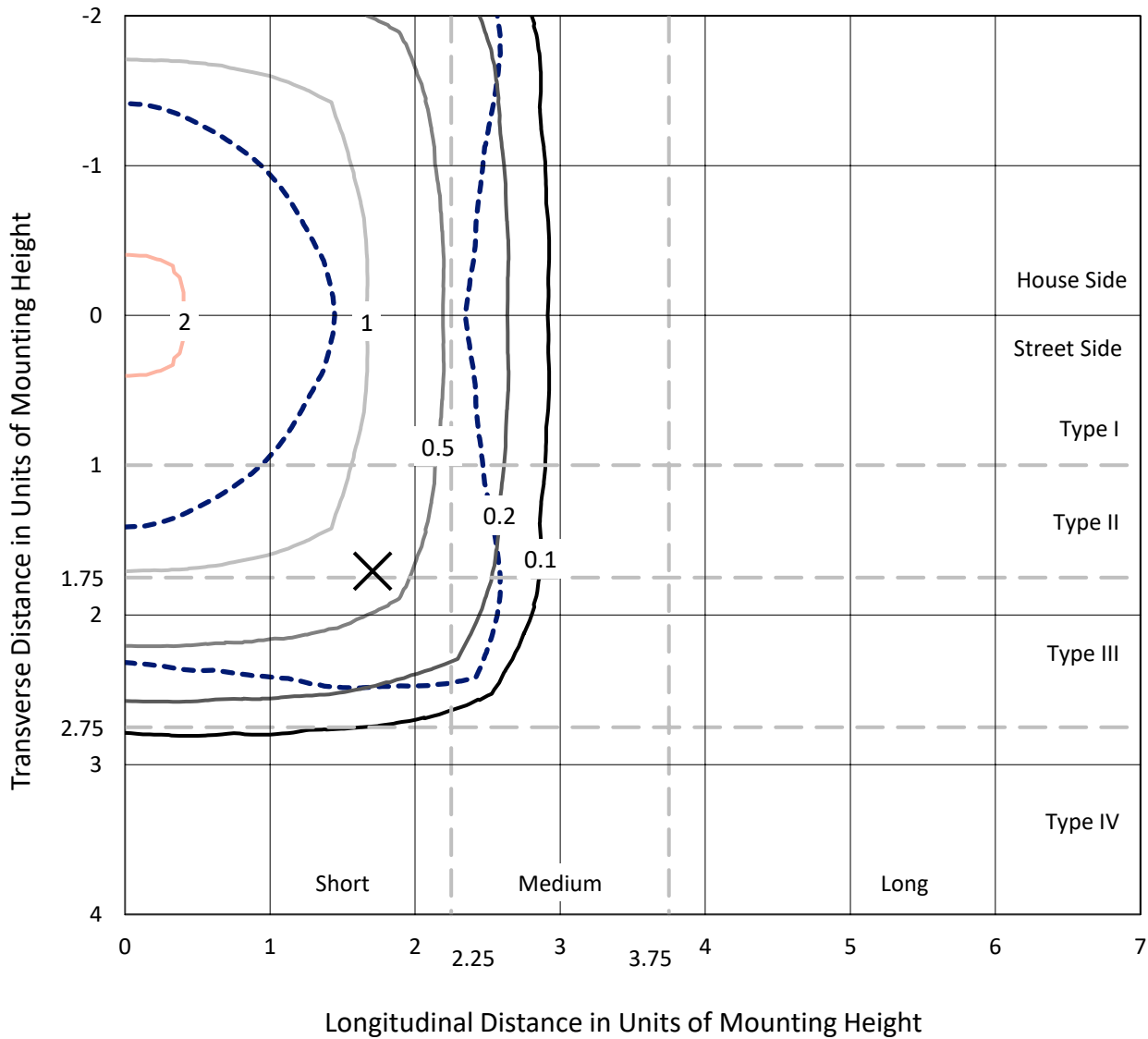
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

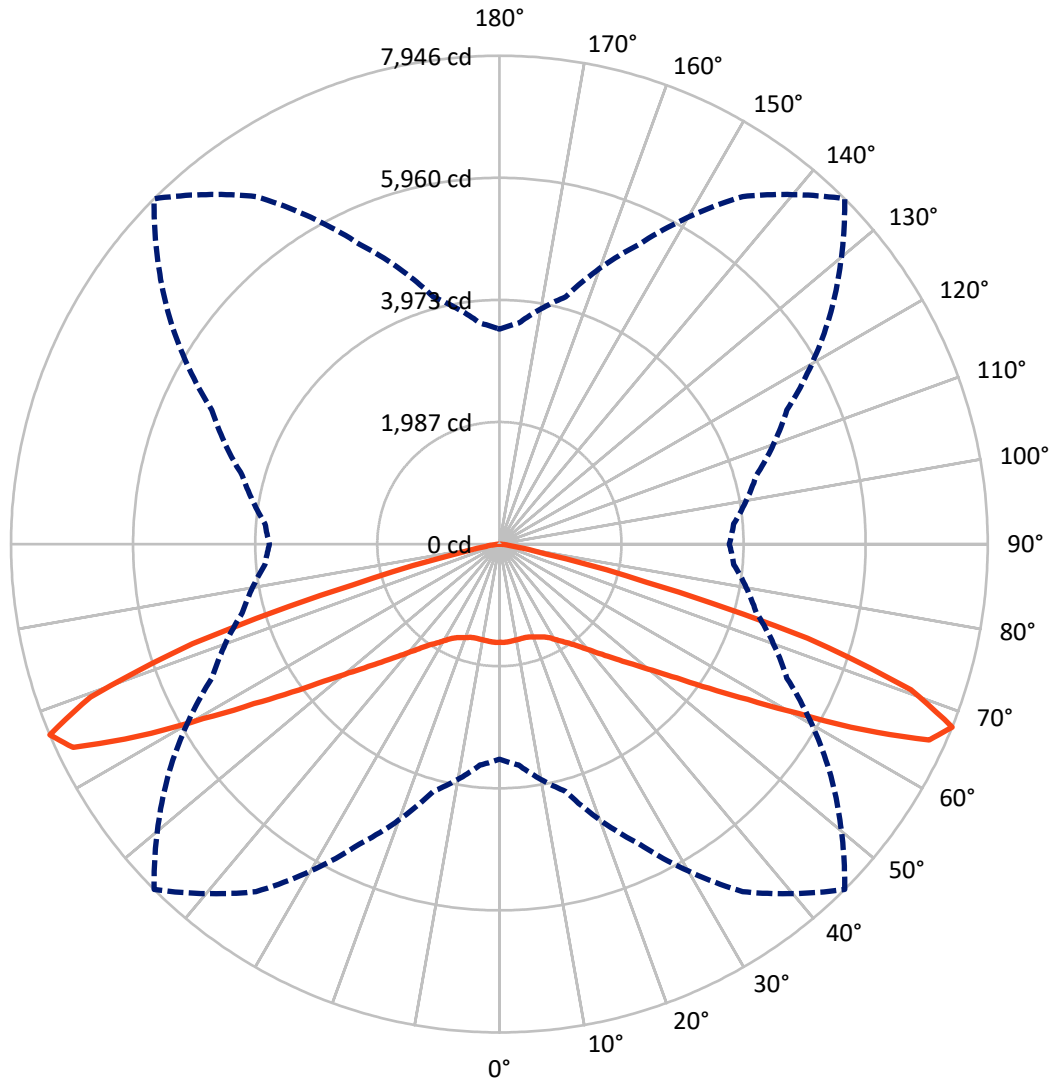
✕ Max cd
 - - - 1/2 Max cd



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	7622.4	0.0	7622.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7622.4	0.0	7622.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	15244.8	0.0	15244.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	1.0
10°-20°	443.8	2.9
20°-30°	765.5	5.0
30°-40°	1244.7	8.2
40°-50°	2095.9	13.7
50°-60°	3713.5	24.4
60°-70°	5308.1	34.8
70°-80°	1456.9	9.6
80°-90°	65.3	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°	15244.8	100.0
0°-180°	15244.8	100.0

Coefficient of Utilization



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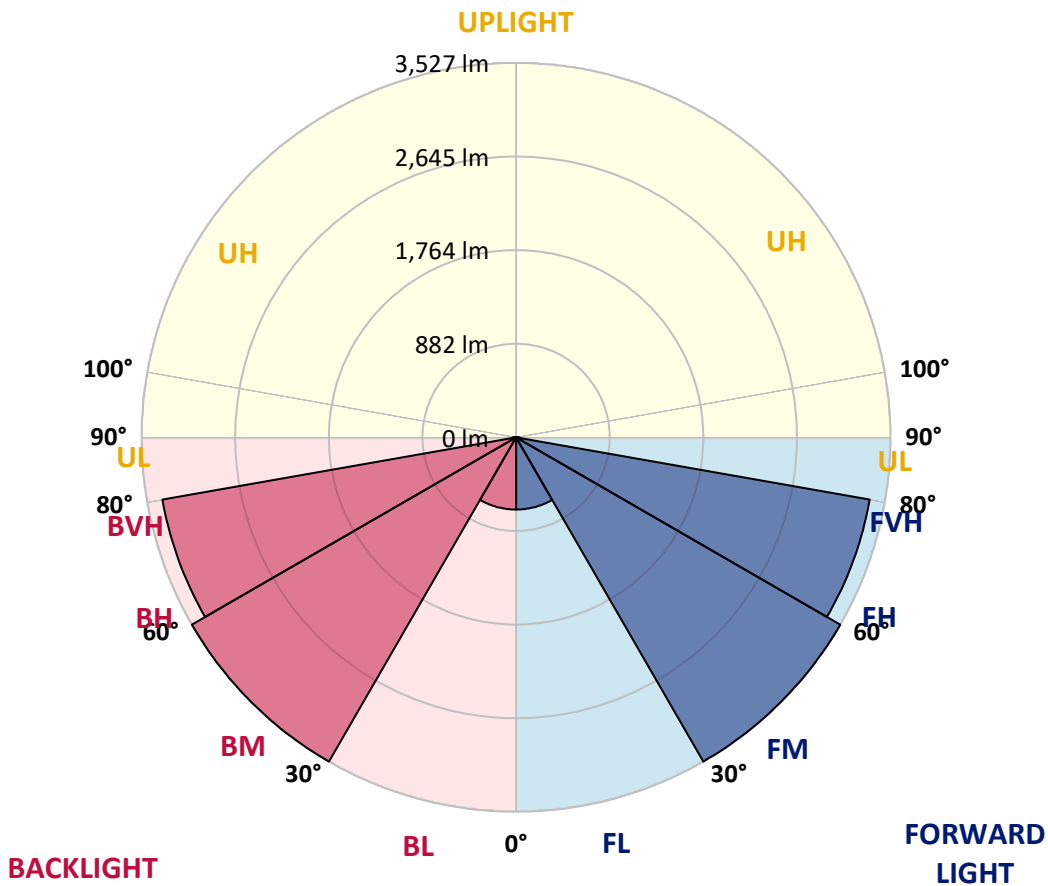
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.2	4.5			
FM (30°-60°)	3527.0	23.1			
FH (60°-80°)	3382.5	22.2			G2/5000
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	680.2	4.5	B2/1000		
BM (30°-60°)	3527.0	23.1	B3/5000		
BH (60°-80°)	3382.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	32.6	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°	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6
2.5°	1586.1	1585.0	1590.3	1593.5	1592.4	1599.8	1598.7	1596.6	1596.6	1593.5	1601.9
5°	1586.1	1585.0	1589.2	1590.3	1588.2	1594.5	1592.4	1590.3	1590.3	1586.1	1593.5
7.5°	1577.6	1578.7	1581.9	1584.0	1581.9	1587.1	1584.0	1579.7	1578.7	1574.5	1581.9
10°	1561.8	1562.9	1566.0	1571.3	1572.4	1581.9	1576.6	1569.2	1566.0	1561.8	1569.2
12.5°	1552.3	1553.4	1556.5	1562.9	1565.0	1577.6	1572.4	1560.7	1555.5	1551.2	1558.6
15°	1550.2	1551.2	1555.5	1561.8	1565.0	1577.6	1572.4	1558.6	1551.2	1546.0	1552.3
17.5°	1550.2	1552.3	1558.6	1568.1	1574.5	1587.1	1580.8	1565.0	1554.4	1544.9	1551.2
20°	1551.2	1554.4	1563.9	1577.6	1593.5	1611.4	1603.0	1581.9	1567.1	1555.5	1559.7
22.5°	1560.7	1566.0	1577.6	1595.6	1618.8	1639.9	1632.5	1604.0	1582.9	1567.1	1571.3
25°	1593.5	1595.6	1610.3	1633.6	1655.7	1673.7	1666.3	1639.9	1613.5	1594.5	1599.8
27.5°	1651.5	1656.8	1669.4	1693.7	1712.7	1722.2	1721.1	1703.2	1676.8	1659.9	1664.2
30°	1721.1	1726.4	1743.3	1770.7	1789.7	1800.3	1797.1	1783.4	1759.1	1735.9	1740.1
32.5°	1802.4	1804.5	1824.6	1855.2	1875.2	1891.0	1880.5	1865.7	1835.1	1807.7	1809.8
35°	1905.8	1909.0	1930.1	1958.6	1974.4	1987.1	1985.0	1970.2	1937.5	1907.9	1915.3
37.5°	2035.6	2037.7	2056.7	2092.6	2105.3	2114.8	2116.9	2109.5	2075.7	2037.7	2045.1
40°	2197.1	2198.1	2219.2	2250.9	2264.6	2270.9	2272.0	2273.1	2238.2	2209.7	2207.6
42.5°	2384.9	2390.2	2419.7	2450.3	2456.7	2453.5	2464.1	2474.6	2440.8	2401.8	2405.0
45°	2609.7	2612.8	2652.9	2686.7	2675.1	2664.6	2684.6	2705.7	2675.1	2624.5	2609.7
47.5°	2875.6	2881.9	2925.2	2959.0	2940.0	2921.0	2953.7	2975.9	2926.3	2872.4	2858.7
50°	3176.4	3180.6	3241.8	3284.0	3261.8	3227.0	3268.2	3291.4	3224.9	3158.4	3128.9
52.5°	3532.0	3523.5	3604.8	3678.7	3665.0	3619.6	3653.3	3657.6	3558.4	3464.5	3434.9
55°	3965.7	3957.3	4038.5	4119.8	4153.5	4141.9	4126.1	4100.8	3954.1	3853.8	3826.4
57.5°	4471.2	4444.8	4558.8	4668.5	4742.4	4763.5	4696.0	4636.9	4520.8	4397.3	4365.7
60°	4940.8	4939.7	5120.2	5310.1	5512.7	5597.2	5426.2	5265.8	5005.1	4780.4	4735.0
62.5°	5072.7	5094.8	5390.3	5861.0	6361.2	6659.8	6209.2	5678.4	5175.0	4836.3	4776.2
65°	4747.7	4802.5	5222.5	5965.4	6953.2	7683.4	6666.1	5687.9	4986.2	4564.0	4500.7
67.5°	3499.3	3609.0	4165.2	5382.9	6902.5	7946.2	6584.9	5161.3	4330.8	3828.5	3740.9
70°	1726.4	1830.9	2272.0	3541.5	5679.5	7103.0	5697.4	3889.7	2925.2	2441.9	2361.7
72.5°	635.3	677.5	850.5	1515.4	3134.2	5246.8	3896.1	2172.8	1417.2	1128.1	1074.3
75°	311.3	318.7	345.1	508.6	1156.6	2469.3	1830.9	833.7	521.3	453.8	439.0
77.5°	198.4	201.6	214.2	242.7	371.5	777.7	555.1	329.2	255.4	244.8	244.8
80°	110.8	114.0	130.9	150.9	174.1	267.0	199.4	197.3	167.8	146.7	143.5
82.5°	52.8	58.0	83.4	82.3	91.8	134.0	117.1	106.6	107.6	81.3	77.0
85°	24.3	24.3	32.7	39.0	41.2	45.4	53.8	61.2	60.2	41.2	44.3
87.5°	11.6	11.6	11.6	10.6	9.5	8.4	11.6	19.0	27.4	19.0	17.9
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)