

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: P632404

Luminaire Tested: GWS-SA2C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8175.9 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.2
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

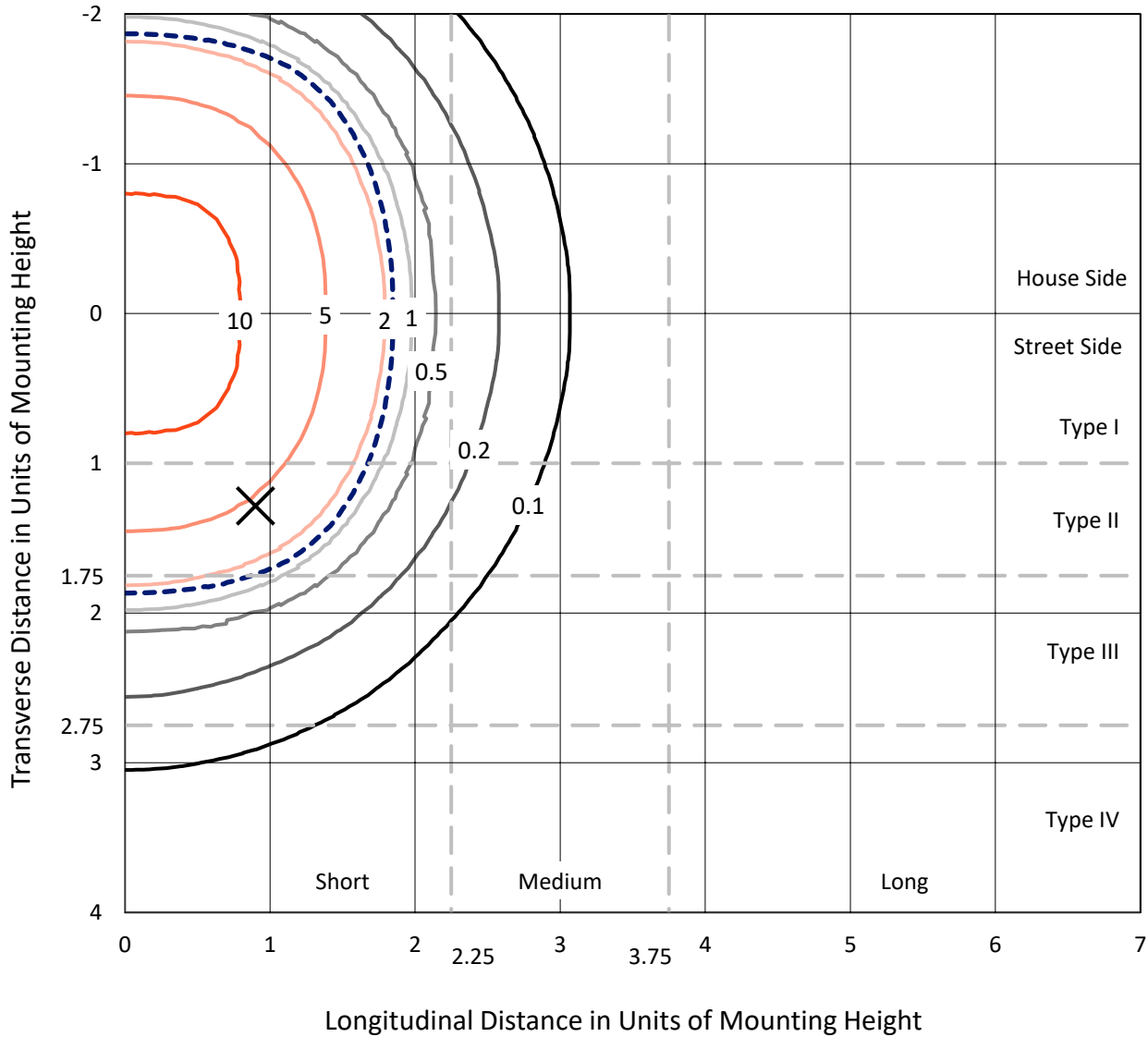


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Iso-Footcandle Lines of Horizontal Illumination

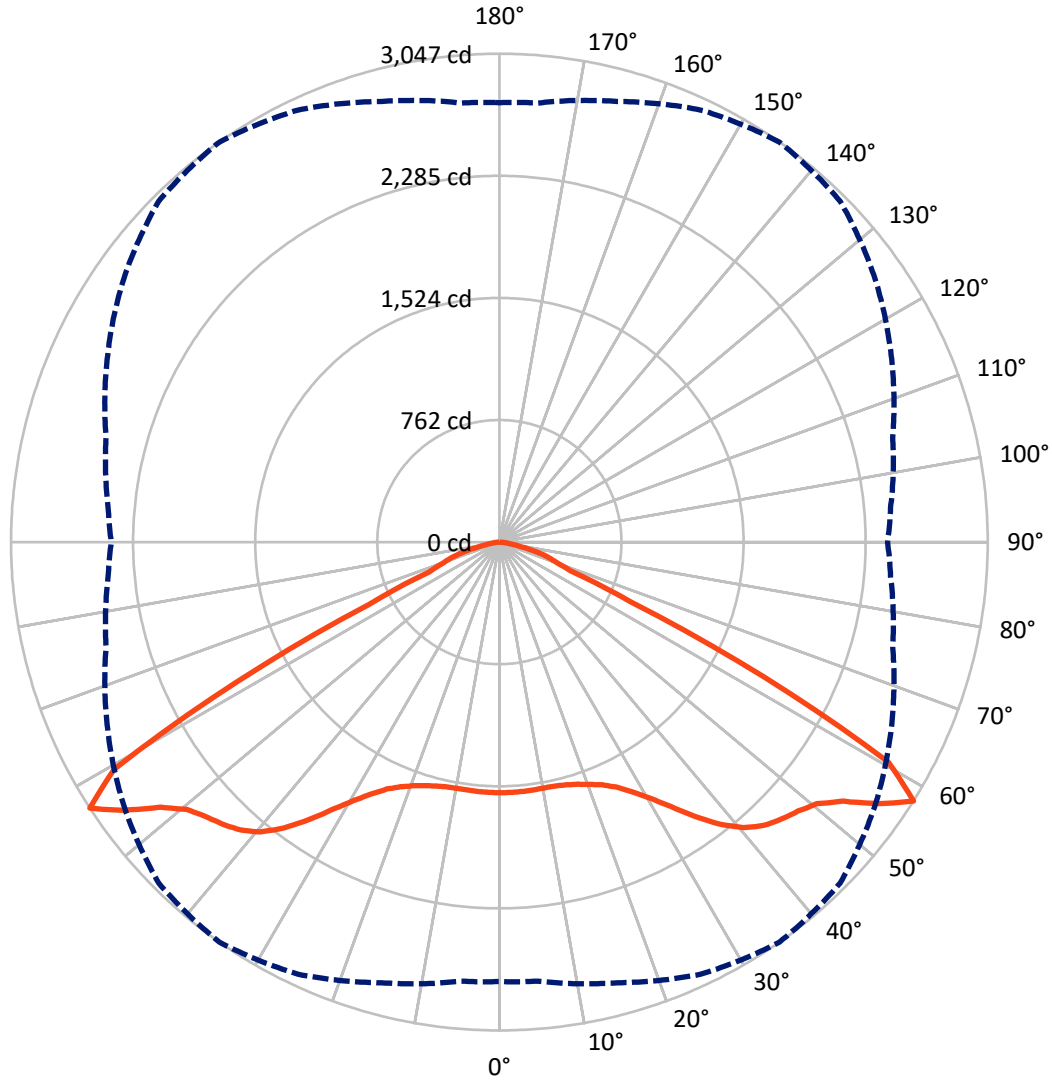
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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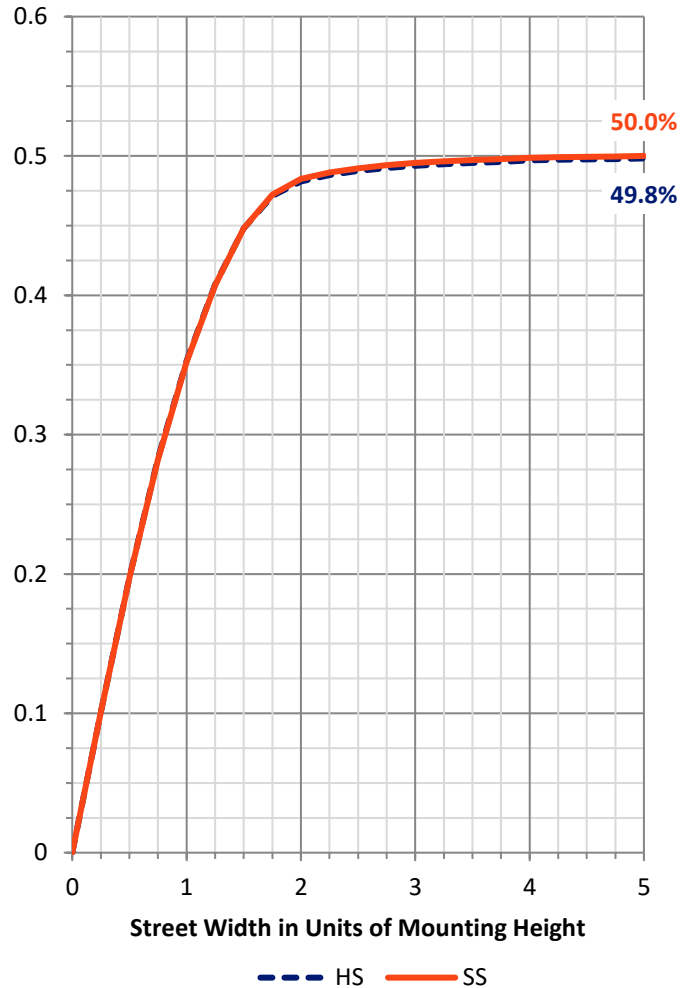
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4088.0	0.0	4088.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4088.0	0.0	4088.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8175.9	0.0	8175.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	1.8
10°-20°	444.0	5.4
20°-30°	774.7	9.5
30°-40°	1270.4	15.5
40°-50°	1871.0	22.9
50°-60°	2387.7	29.2
60°-70°	1006.3	12.3
70°-80°	240.4	2.9
80°-90°	32.7	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°	8175.9	100.0
0°-180°	8175.9	100.0

Coefficient of Utilization



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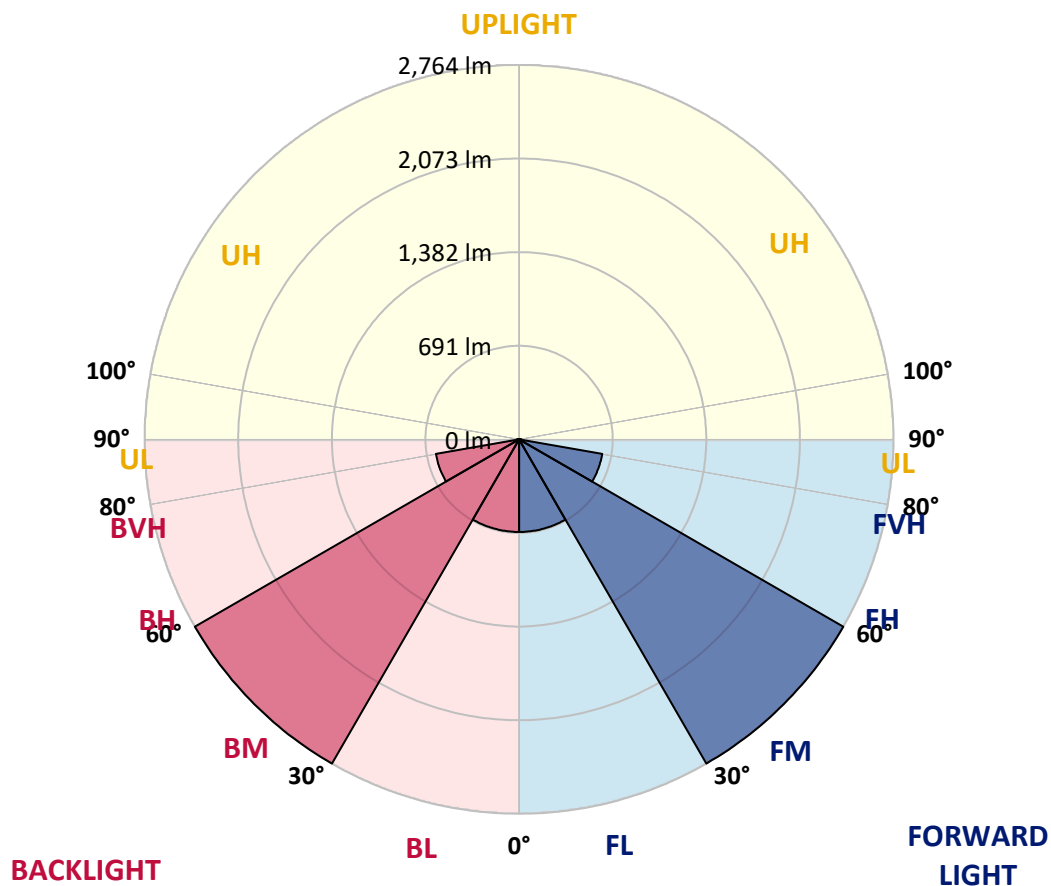
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.8	8.4			
FM (30°-60°)	2764.5	33.8			
FH (60°-80°)	623.3	7.6			G0/660
FVH (80°-90°)	16.4	0.2			G1/100
BL (0°-30°)	683.8	8.4	B2/1000		
BM (30°-60°)	2764.5	33.8	B3/5000		
BH (60°-80°)	623.3	7.6	B2/1000		G0/660
BVH (80°-90°)	16.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4	1564.4
2.5°	1555.0	1555.0	1558.3	1561.7	1563.0	1569.1	1568.4	1566.4	1565.0	1561.0	1566.4
5°	1558.3	1558.3	1561.0	1563.0	1562.4	1567.0	1565.0	1561.7	1559.7	1555.7	1561.7
7.5°	1557.7	1557.7	1559.7	1561.7	1560.3	1564.4	1561.0	1556.3	1553.0	1549.0	1554.3
10°	1549.0	1550.3	1552.3	1557.0	1559.0	1565.0	1560.3	1553.0	1547.6	1542.9	1548.3
12.5°	1547.6	1549.0	1551.6	1557.7	1561.0	1569.7	1563.7	1551.6	1543.6	1537.6	1542.9
15°	1553.7	1555.0	1559.0	1566.4	1571.7	1581.1	1572.4	1555.7	1544.3	1536.3	1540.9
17.5°	1561.0	1563.0	1569.1	1579.8	1588.5	1598.5	1587.8	1567.7	1551.6	1540.9	1545.0
20°	1569.1	1571.7	1581.1	1597.2	1613.2	1625.9	1612.6	1585.8	1566.4	1552.3	1556.3
22.5°	1583.1	1586.5	1598.5	1621.3	1645.4	1664.1	1647.4	1611.2	1585.8	1567.7	1571.1
25°	1611.9	1615.9	1631.3	1658.7	1692.9	1715.6	1692.2	1651.4	1615.9	1593.8	1597.2
27.5°	1662.8	1664.8	1684.9	1721.0	1763.2	1789.3	1761.2	1713.0	1673.5	1648.0	1650.7
30°	1729.7	1735.7	1755.8	1803.3	1853.5	1888.3	1851.5	1794.6	1749.1	1718.3	1721.0
32.5°	1811.4	1815.4	1845.5	1895.0	1967.3	2007.5	1957.3	1889.7	1834.8	1797.3	1800.0
35°	1918.5	1921.8	1950.6	2013.5	2101.2	2138.7	2081.1	2003.5	1939.9	1904.4	1914.5
37.5°	2046.3	2052.4	2073.1	2135.4	2233.1	2269.9	2203.6	2131.3	2065.1	2032.3	2039.6
40°	2183.6	2182.9	2199.6	2254.5	2343.5	2366.3	2306.7	2249.2	2192.3	2170.8	2182.9
42.5°	2301.4	2298.0	2310.1	2355.6	2417.2	2419.2	2379.7	2347.6	2307.4	2292.7	2304.0
45°	2383.7	2385.0	2403.1	2434.6	2466.0	2449.3	2437.2	2431.9	2400.4	2380.4	2382.4
47.5°	2448.6	2454.0	2482.8	2504.2	2508.2	2480.1	2496.8	2504.9	2478.8	2448.0	2439.3
50°	2506.2	2514.9	2552.4	2575.1	2566.4	2531.0	2563.8	2575.8	2518.2	2459.3	2441.9
52.5°	2610.6	2620.7	2666.2	2695.6	2685.6	2650.1	2680.9	2638.1	2541.0	2468.7	2446.6
55°	2777.3	2782.0	2837.5	2885.7	2881.1	2837.5	2812.8	2717.7	2599.9	2524.9	2504.2
57.5°	2741.8	2749.9	2846.2	2974.8	3047.1	3007.6	2862.3	2700.3	2540.3	2450.0	2421.9
60°	2157.4	2176.9	2296.7	2522.9	2788.0	2787.3	2517.6	2265.9	2073.1	1953.3	1941.2
62.5°	1259.8	1273.2	1382.3	1611.2	1848.9	1863.6	1674.1	1501.4	1332.8	1251.8	1212.9
65°	596.4	595.8	639.3	742.4	903.0	915.7	858.8	764.4	664.7	637.3	629.9
67.5°	440.5	440.5	437.1	444.5	475.3	482.0	475.3	459.9	450.5	456.5	452.5
70°	382.2	382.9	378.9	376.9	376.9	374.9	377.5	383.6	387.6	395.6	391.6
72.5°	309.9	310.6	310.6	311.3	311.9	309.3	313.3	316.6	317.3	320.0	317.3
75°	220.2	221.6	225.6	228.9	231.6	231.6	232.9	233.6	230.9	234.3	228.9
77.5°	121.2	122.5	129.9	135.9	141.9	142.6	144.6	145.9	144.6	147.3	143.2
80°	66.9	68.3	71.6	74.3	79.0	83.0	85.7	87.0	87.0	89.0	87.0
82.5°	38.2	39.5	41.5	42.8	46.9	50.2	52.9	54.9	54.9	55.6	54.2
85°	18.1	18.1	19.4	20.8	22.8	24.1	27.4	29.5	29.5	30.8	29.5
87.5°	2.7	3.3	4.0	4.0	5.4	6.7	8.0	8.7	10.0	10.7	10.7
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)