

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: P632355

Luminaire Tested: GWS-SA2C-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7995.6 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

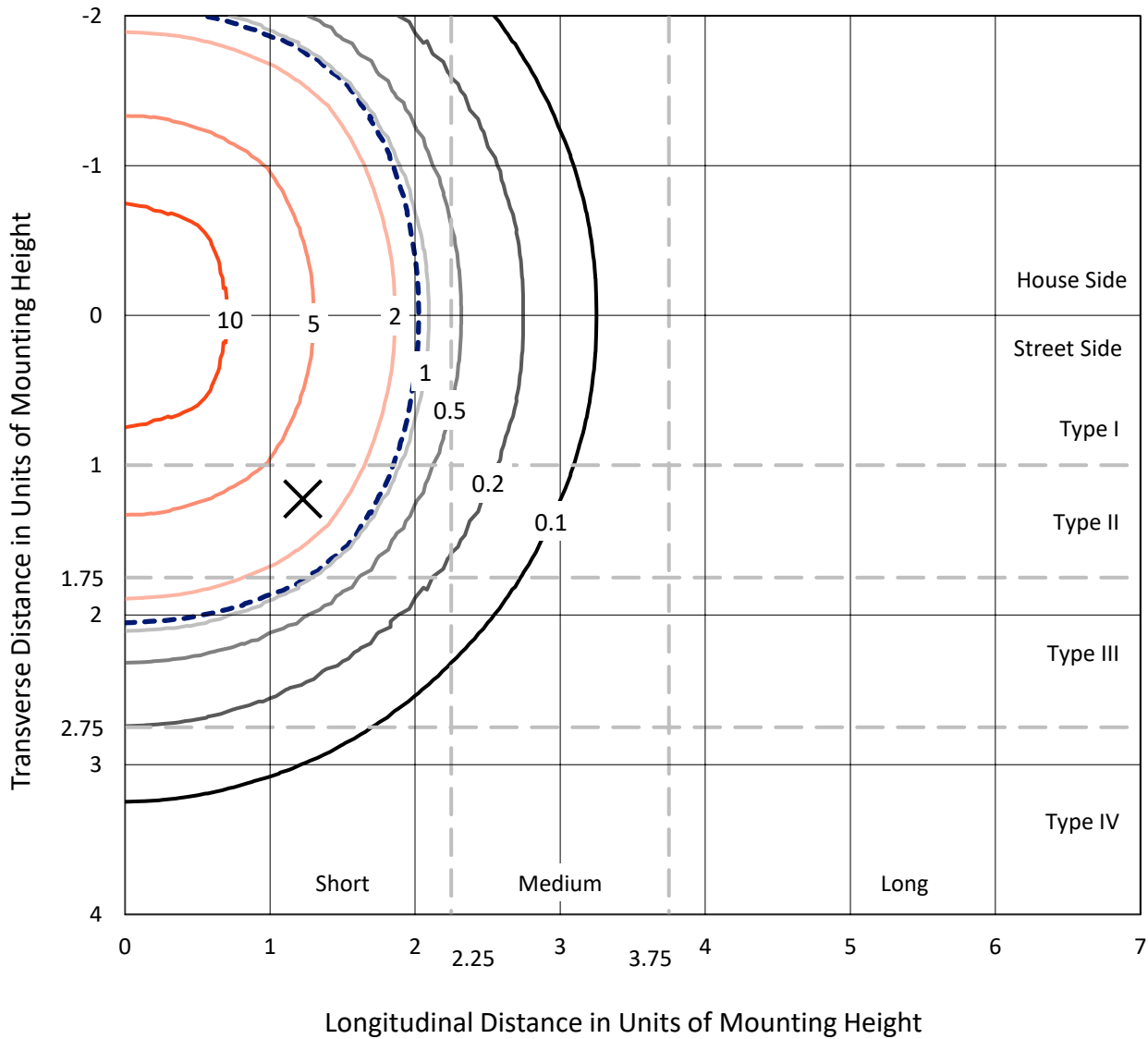
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

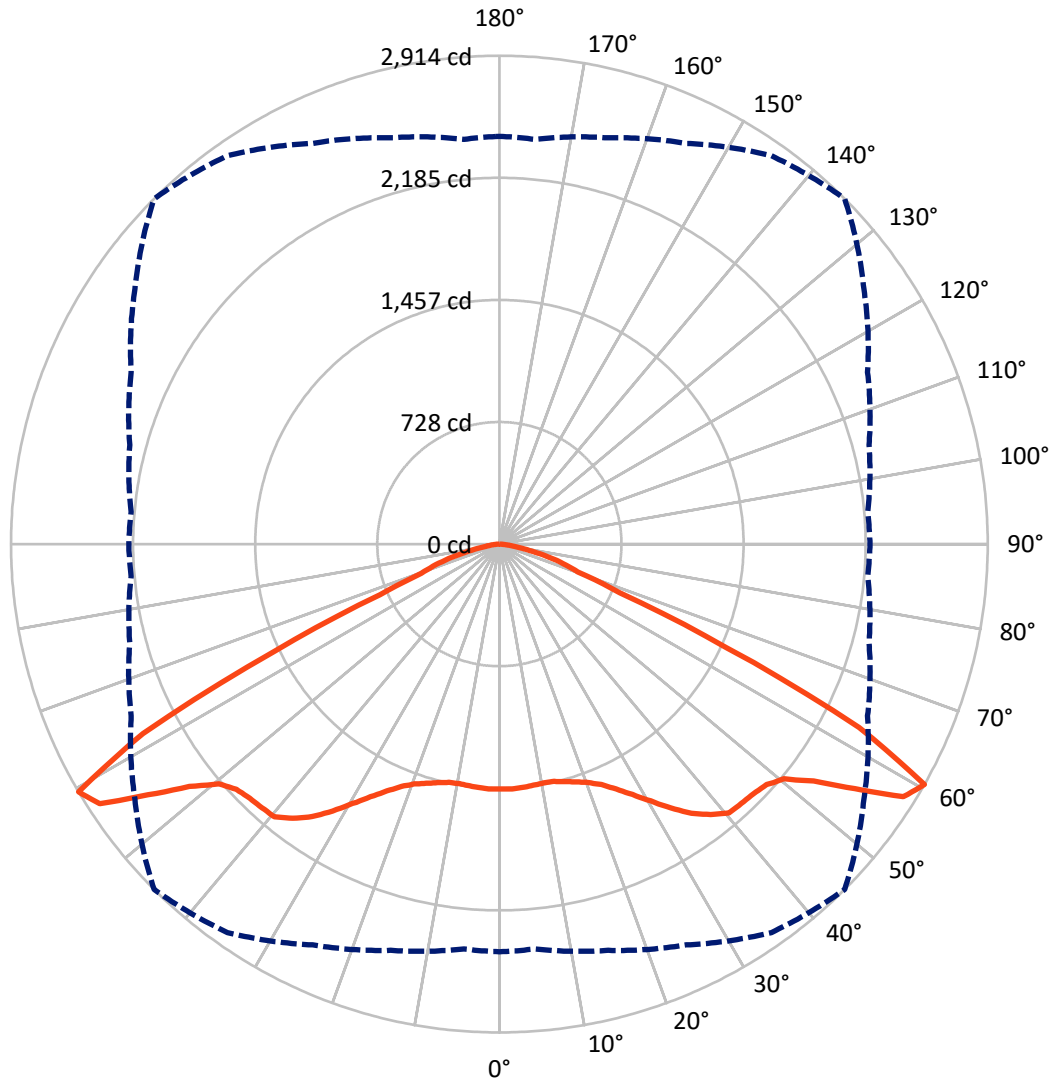
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3997.8	0.0	3997.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3997.8	0.0	3997.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7995.6	0.0	7995.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	1.7
10°-20°	416.8	5.2
20°-30°	737.4	9.2
30°-40°	1187.2	14.8
40°-50°	1631.8	20.4
50°-60°	2174.6	27.2
60°-70°	1355.3	17.0
70°-80°	311.6	3.9
80°-90°	42.3	0.5
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°	7995.6	100.0
0°-180°	7995.6	100.0

Coefficient of Utilization



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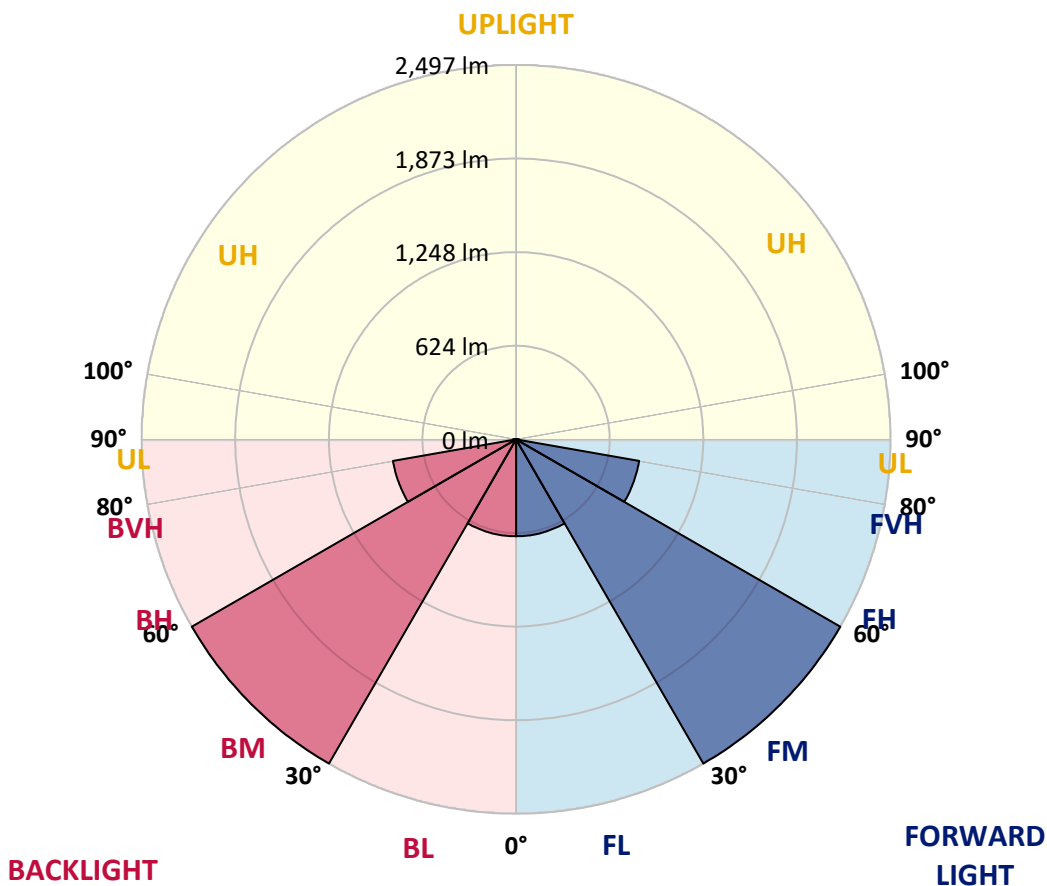
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.4	8.1			
FM (30°-60°)	2496.8	31.2			
FH (60°-80°)	833.5	10.4			G1/1800
FVH (80°-90°)	21.1	0.3			G1/100
BL (0°-30°)	646.4	8.1	B2/1000		
BM (30°-60°)	2496.8	31.2	B2/2500		
BH (60°-80°)	833.5	10.4	B2/1000		G1/1800
BVH (80°-90°)	21.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2	1461.2
2.5°	1451.0	1452.4	1455.1	1457.1	1459.8	1462.5	1463.9	1461.2	1459.8	1454.4	1460.5
5°	1452.4	1453.7	1455.8	1455.8	1456.4	1458.5	1458.5	1455.1	1451.7	1445.6	1452.4
7.5°	1450.3	1451.7	1452.4	1451.7	1452.4	1453.0	1451.7	1447.6	1444.2	1438.8	1444.2
10°	1446.9	1448.3	1449.6	1448.3	1446.9	1449.0	1449.0	1446.3	1444.2	1438.8	1444.9
12.5°	1454.4	1456.4	1457.1	1453.7	1452.4	1453.0	1453.0	1450.3	1450.3	1445.6	1452.4
15°	1472.0	1473.4	1471.4	1467.3	1468.0	1470.0	1465.3	1458.5	1457.1	1455.1	1460.5
17.5°	1485.6	1487.0	1484.9	1482.2	1487.0	1491.7	1482.9	1470.0	1465.9	1464.6	1470.7
20°	1500.5	1502.6	1499.9	1503.3	1512.8	1518.2	1507.3	1489.7	1481.5	1479.5	1487.0
22.5°	1525.0	1527.7	1527.7	1535.2	1549.4	1558.2	1544.7	1520.9	1508.7	1505.3	1512.8
25°	1563.7	1565.7	1567.7	1582.7	1605.7	1618.0	1596.2	1563.7	1546.7	1541.3	1545.3
27.5°	1617.3	1620.7	1624.1	1645.8	1674.3	1691.9	1660.7	1620.0	1599.0	1588.1	1596.2
30°	1681.1	1685.8	1694.0	1718.4	1758.4	1778.1	1738.1	1688.5	1664.8	1653.2	1664.1
32.5°	1767.9	1768.6	1774.7	1801.9	1854.8	1877.2	1827.0	1772.0	1747.6	1734.0	1740.1
35°	1871.1	1871.8	1862.3	1890.1	1947.1	1972.2	1913.2	1857.5	1837.2	1833.1	1848.7
37.5°	1977.0	1970.9	1961.4	1973.6	2031.3	2047.6	1985.1	1937.6	1928.8	1936.3	1959.3
40°	2052.3	2042.1	2023.1	2031.9	2090.3	2109.3	2042.8	1998.0	1995.3	2013.6	2041.5
42.5°	2101.2	2090.3	2067.9	2067.9	2108.0	2116.1	2064.5	2040.8	2046.9	2067.9	2094.4
45°	2124.9	2118.8	2105.9	2099.1	2121.5	2124.9	2085.6	2076.1	2087.6	2097.8	2118.1
47.5°	2143.3	2143.3	2139.2	2132.4	2142.6	2144.6	2115.4	2112.7	2127.6	2127.6	2141.2
50°	2175.8	2179.2	2184.7	2183.3	2194.2	2200.9	2179.2	2175.1	2181.3	2161.6	2168.4
52.5°	2261.3	2270.2	2285.8	2298.0	2325.8	2346.9	2308.2	2275.6	2243.7	2200.3	2201.6
55°	2414.7	2418.8	2449.3	2485.3	2532.1	2574.9	2495.5	2394.4	2325.1	2274.2	2274.9
57.5°	2544.3	2550.5	2595.2	2670.6	2775.8	2842.3	2666.5	2497.5	2399.8	2337.4	2339.4
60°	2432.4	2424.2	2509.1	2638.0	2828.7	2913.5	2654.3	2423.5	2283.1	2205.7	2211.1
62.5°	1882.0	1866.4	1960.7	2095.7	2324.5	2409.3	2170.4	1949.2	1816.1	1755.7	1746.9
65°	1145.6	1131.3	1199.2	1282.0	1436.8	1490.4	1381.1	1263.7	1147.6	1111.0	1100.8
67.5°	623.7	621.7	640.0	680.7	748.6	773.7	752.6	697.0	667.1	641.3	641.3
70°	494.8	490.7	487.3	488.0	494.1	497.5	498.1	495.4	498.8	499.5	496.8
72.5°	409.9	408.6	401.8	402.5	399.7	398.4	403.1	405.8	411.3	412.0	412.0
75°	297.3	293.9	297.3	297.9	295.2	295.2	298.6	297.9	300.7	302.0	294.5
77.5°	169.0	169.0	173.7	179.2	183.2	183.2	186.6	186.6	190.0	189.3	188.0
80°	93.0	93.0	95.7	99.1	103.2	107.2	110.6	111.3	113.3	112.7	110.6
82.5°	52.9	53.6	55.0	57.0	61.1	64.5	67.9	68.5	70.6	70.6	68.5
85°	25.1	24.4	25.1	26.5	28.5	31.2	34.6	36.6	38.0	38.0	36.6
87.5°	4.8	5.4	4.8	5.4	6.1	8.1	9.5	10.9	12.9	13.6	12.2
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)