

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: P634994

Luminaire Tested: GWS-SA3C-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5831.6 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

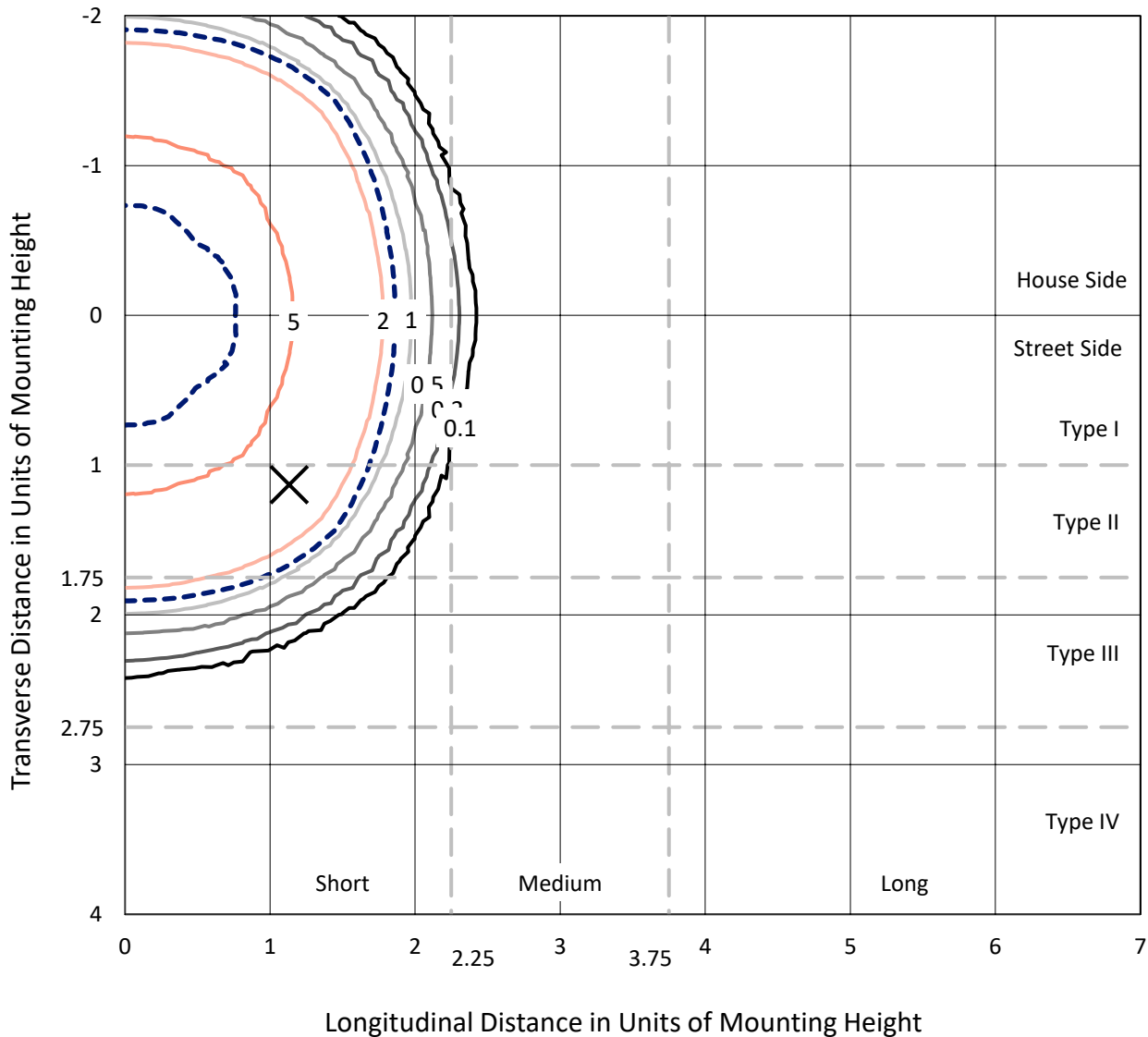


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Iso-Footcandle Lines of Horizontal Illumination

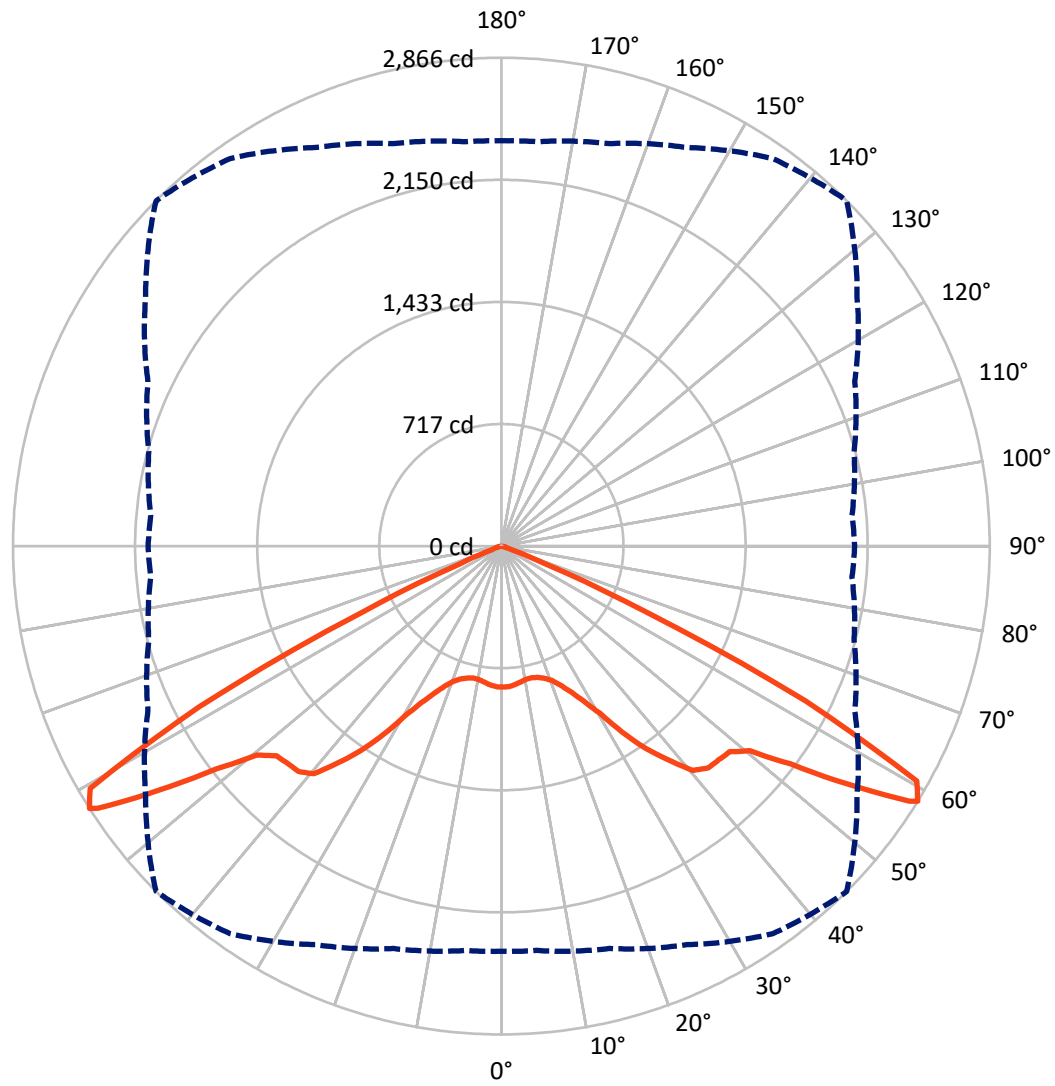
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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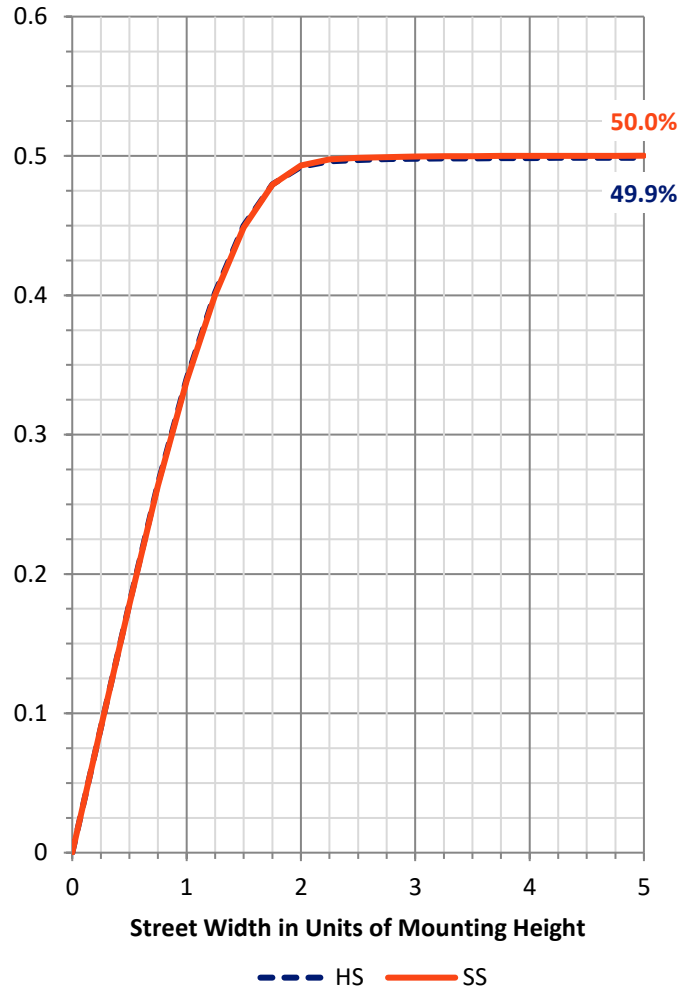
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2915.8	0.0	2915.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2915.8	0.0	2915.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5831.6	0.0	5831.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.3
10°-20°	228.3	3.9
20°-30°	431.8	7.4
30°-40°	851.6	14.6
40°-50°	1347.7	23.1
50°-60°	1981.0	34.0
60°-70°	884.2	15.2
70°-80°	29.6	0.5
80°-90°	0.2	0.0
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°	5831.6	100.0
0°-180°	5831.6	100.0

Coefficient of Utilization



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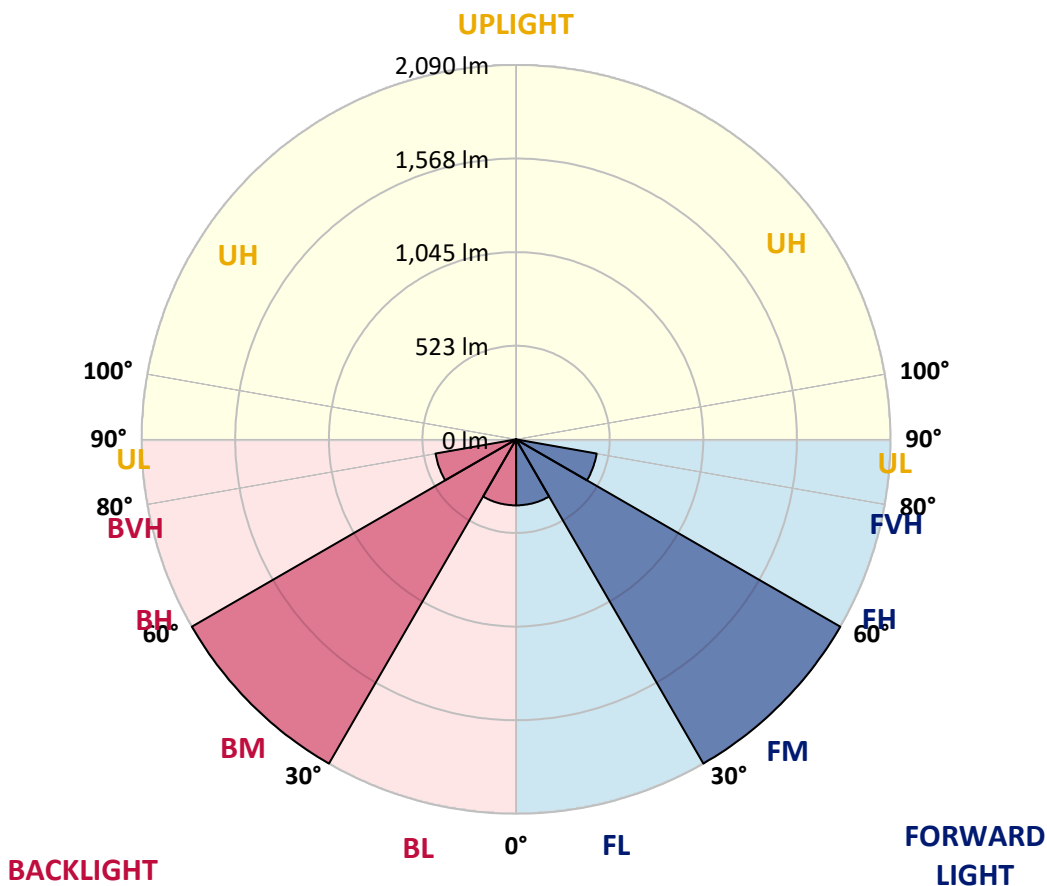
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.6	6.3			
FM (30°-60°)	2090.1	35.8			
FH (60°-80°)	456.9	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	368.6	6.3	B1/500		
BM (30°-60°)	2090.1	35.8	B2/2500		
BH (60°-80°)	456.9	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0
2.5°	819.1	820.6	822.2	823.0	823.8	826.2	827.0	824.6	824.6	819.8	825.4
5°	815.1	816.7	818.3	817.5	817.5	817.5	816.7	813.5	812.7	807.9	813.5
7.5°	807.9	809.5	809.5	807.1	805.5	805.5	804.8	800.8	800.0	795.2	800.8
10°	802.4	803.2	802.4	797.6	794.4	794.4	793.6	792.0	792.8	789.7	794.4
12.5°	805.5	806.3	803.2	796.8	792.8	792.0	789.7	787.3	789.7	788.9	793.6
15°	815.9	816.7	811.1	803.2	800.0	800.0	793.6	787.3	790.5	791.2	796.8
17.5°	828.6	828.6	821.4	814.3	815.1	815.1	804.8	793.6	794.4	797.6	803.2
20°	843.7	843.7	836.5	834.9	840.5	841.3	828.6	811.1	807.1	809.5	815.9
22.5°	870.7	870.7	865.1	869.1	881.8	885.8	866.7	842.1	832.6	834.1	840.5
25°	912.8	912.8	911.2	920.7	939.0	947.8	922.3	889.8	873.9	871.5	878.6
27.5°	983.5	984.3	981.9	996.2	1019.2	1029.6	994.6	951.7	932.7	928.7	935.8
30°	1074.9	1074.9	1075.7	1095.5	1125.7	1139.2	1093.1	1043.1	1020.8	1008.1	1017.7
32.5°	1176.5	1178.1	1186.1	1219.4	1272.7	1300.5	1233.0	1163.0	1127.3	1113.8	1124.1
35°	1344.2	1329.1	1319.5	1344.2	1421.2	1457.8	1371.2	1289.4	1262.3	1260.8	1287.0
37.5°	1510.2	1501.5	1481.6	1507.0	1576.1	1592.8	1497.5	1429.2	1410.1	1420.4	1446.7
40°	1642.1	1626.2	1600.0	1623.8	1714.4	1731.1	1613.5	1546.0	1538.8	1561.8	1597.6
42.5°	1746.2	1723.9	1689.0	1694.5	1767.6	1779.5	1675.4	1624.6	1629.4	1658.0	1698.5
45°	1793.0	1775.5	1744.6	1742.2	1788.3	1789.0	1707.2	1681.0	1693.7	1716.0	1747.7
47.5°	1812.9	1804.9	1787.5	1783.5	1809.7	1803.3	1752.5	1741.4	1753.3	1759.7	1777.9
50°	1862.1	1862.1	1864.5	1867.7	1894.7	1888.4	1852.6	1839.9	1824.8	1802.6	1808.1
52.5°	2000.4	2005.9	2029.0	2054.4	2103.6	2124.3	2066.3	1992.4	1920.1	1871.7	1871.7
55°	2249.8	2255.4	2282.4	2325.3	2415.9	2465.1	2330.1	2167.2	2067.9	2002.0	2010.7
57.5°	2387.3	2393.6	2449.2	2565.2	2740.8	2824.2	2534.2	2292.7	2153.7	2078.2	2084.6
58°	2378.5	2382.5	2445.2	2581.1	2776.5	2866.3	2548.5	2288.7	2142.6	2065.5	2073.5
60°	2113.2	2107.6	2207.7	2401.6	2677.2	2801.1	2406.3	2089.3	1919.3	1840.7	1844.7
62.5°	1381.5	1384.7	1471.3	1673.9	1888.4	2005.1	1681.0	1445.1	1308.4	1260.8	1248.8
65°	576.8	566.4	619.7	732.5	861.2	926.3	796.0	673.7	589.5	557.7	566.4
67.5°	148.6	144.6	147.8	185.1	226.4	267.7	224.8	171.6	149.4	150.9	150.9
70°	84.2	79.4	64.3	59.6	58.0	58.0	58.0	58.0	66.7	78.6	81.0
72.5°	63.6	59.6	46.9	40.5	35.7	33.4	35.0	40.5	48.5	58.8	60.4
75°	31.8	31.8	28.6	27.0	23.8	22.2	23.0	25.4	29.4	33.4	32.6
77.5°	6.4	7.1	7.9	9.5	7.9	7.9	7.9	9.5	9.5	10.3	9.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)