

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: P632409

Luminaire Tested: GWS-SA2C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632409
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-SA2C-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4914 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

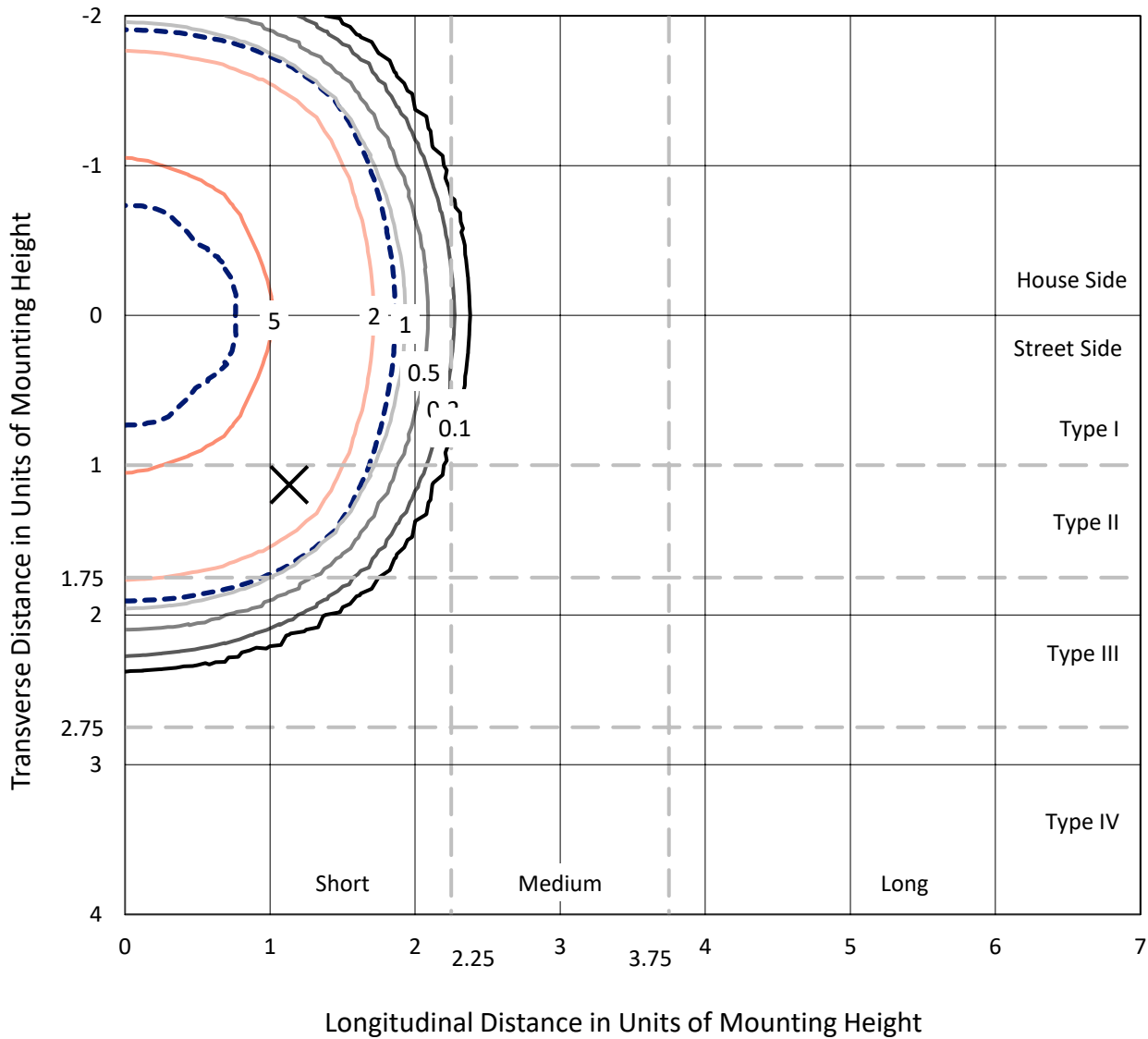
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

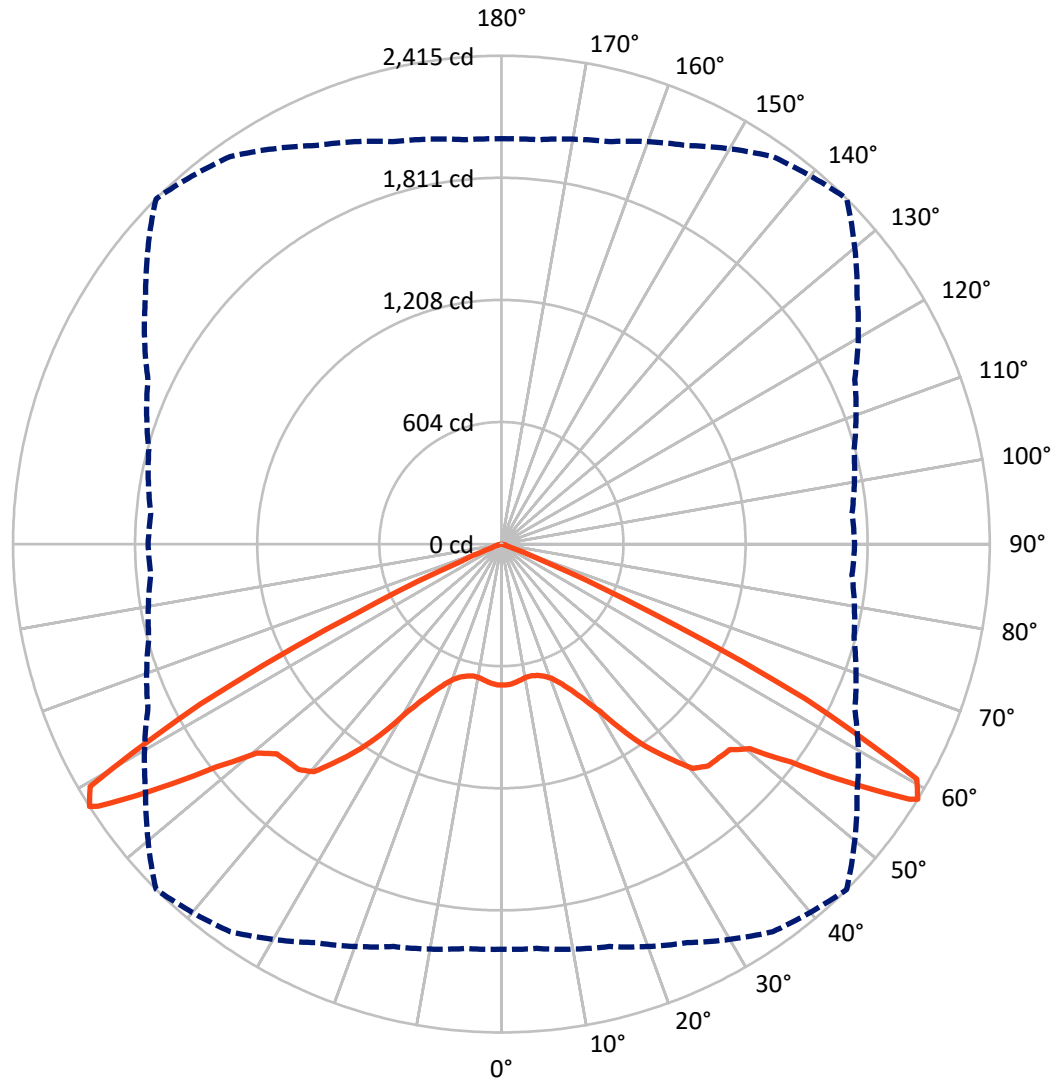
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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	2457.0	0.0	2457.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2457.0	0.0	2457.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4914.0	0.0	4914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.3
10°-20°	192.4	3.9
20°-30°	363.9	7.4
30°-40°	717.6	14.6
40°-50°	1135.6	23.1
50°-60°	1669.3	34.0
60°-70°	745.1	15.2
70°-80°	25.0	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°	4914.0	100.0
0°-180°	4914.0	100.0

Coefficient of Utilization



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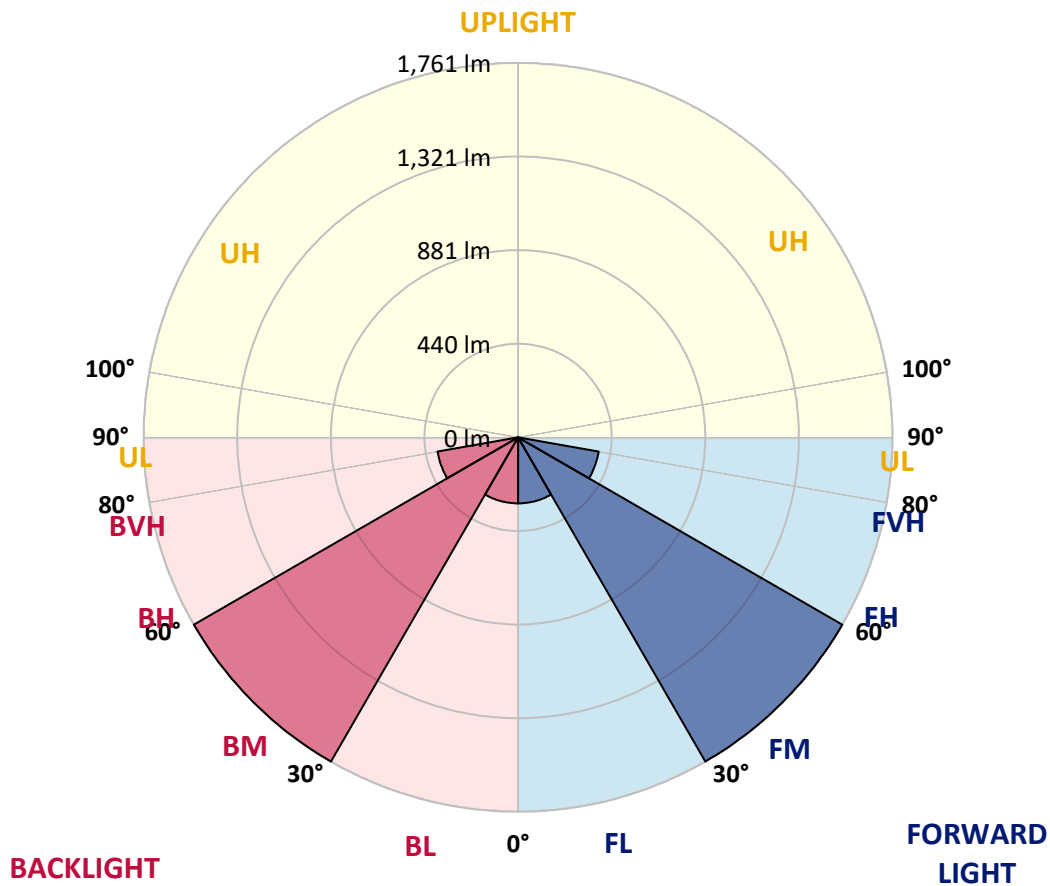
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.6	6.3			
FM (30°-60°)	1761.2	35.8			
FH (60°-80°)	385.0	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	310.6	6.3	B1/500		
BM (30°-60°)	1761.2	35.8	B2/2500		
BH (60°-80°)	385.0	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°	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
2.5°	690.2	691.5	692.9	693.5	694.2	696.2	696.9	694.9	694.9	690.8	695.5
5°	686.8	688.2	689.5	688.8	688.8	688.8	688.2	685.5	684.8	680.8	685.5
7.5°	680.8	682.1	682.1	680.1	678.8	678.8	678.1	674.8	674.1	670.1	674.8
10°	676.1	676.8	676.1	672.1	669.4	669.4	668.8	667.4	668.1	665.4	669.4
12.5°	678.8	679.5	676.8	671.4	668.1	667.4	665.4	663.4	665.4	664.7	668.8
15°	687.5	688.2	683.5	676.8	674.1	674.1	668.8	663.4	666.1	666.7	671.4
17.5°	698.2	698.2	692.2	686.2	686.8	686.8	678.1	668.8	669.4	672.1	676.8
20°	710.9	710.9	704.9	703.6	708.3	708.9	698.2	683.5	680.1	682.1	687.5
22.5°	733.7	733.7	729.0	732.4	743.1	746.4	730.3	709.6	701.6	702.9	708.3
25°	769.2	769.2	767.8	775.9	791.3	798.6	777.2	749.8	736.4	734.4	740.4
27.5°	828.7	829.4	827.4	839.5	858.9	867.6	838.1	802.0	785.9	782.6	788.6
30°	905.7	905.7	906.4	923.1	948.6	960.0	921.1	879.0	860.2	849.5	857.5
32.5°	991.4	992.8	999.5	1027.6	1072.4	1095.8	1038.9	980.0	949.9	938.5	947.2
35°	1132.7	1119.9	1111.9	1132.7	1197.6	1228.4	1155.4	1086.5	1063.7	1062.4	1084.5
37.5°	1272.6	1265.2	1248.5	1269.9	1328.1	1342.2	1261.9	1204.3	1188.2	1196.9	1219.0
40°	1383.7	1370.3	1348.2	1368.3	1444.6	1458.7	1359.6	1302.7	1296.7	1316.1	1346.2
42.5°	1471.4	1452.7	1423.2	1427.9	1489.5	1499.5	1411.8	1369.0	1373.0	1397.1	1431.2
45°	1510.9	1496.2	1470.1	1468.0	1506.9	1507.5	1438.6	1416.5	1427.2	1446.0	1472.7
47.5°	1527.6	1520.9	1506.2	1502.9	1524.9	1519.6	1476.7	1467.4	1477.4	1482.8	1498.2
50°	1569.1	1569.1	1571.1	1573.8	1596.6	1591.2	1561.1	1550.4	1537.7	1518.9	1523.6
52.5°	1685.6	1690.3	1709.7	1731.1	1772.6	1790.0	1741.2	1678.9	1618.0	1577.2	1577.2
55°	1895.8	1900.5	1923.3	1959.4	2035.7	2077.2	1963.4	1826.2	1742.5	1686.9	1694.3
57.5°	2011.6	2017.0	2063.8	2161.6	2309.5	2379.8	2135.5	1932.0	1814.8	1751.2	1756.6
58°	2004.3	2007.6	2060.5	2175.0	2339.6	2415.3	2147.5	1928.6	1805.4	1740.5	1747.2
60°	1780.7	1776.0	1860.3	2023.7	2256.0	2360.4	2027.7	1760.6	1617.3	1551.1	1554.4
62.5°	1164.1	1166.8	1239.8	1410.5	1591.2	1689.6	1416.5	1217.7	1102.5	1062.4	1052.3
65°	486.0	477.3	522.2	617.2	725.7	780.5	670.8	567.7	496.7	469.9	477.3
67.5°	125.2	121.8	124.5	156.0	190.8	225.6	189.4	144.6	125.9	127.2	127.2
70°	71.0	66.9	54.2	50.2	48.9	48.9	48.9	48.9	56.2	66.3	68.3
72.5°	53.6	50.2	39.5	34.1	30.1	28.1	29.5	34.1	40.8	49.5	50.9
75°	26.8	26.8	24.1	22.8	20.1	18.7	19.4	21.4	24.8	28.1	27.4
77.5°	5.4	6.0	6.7	8.0	6.7	6.7	6.7	8.0	8.0	8.7	8.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)