

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: P632080

Luminaire Tested: GWS-SA2C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632080  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

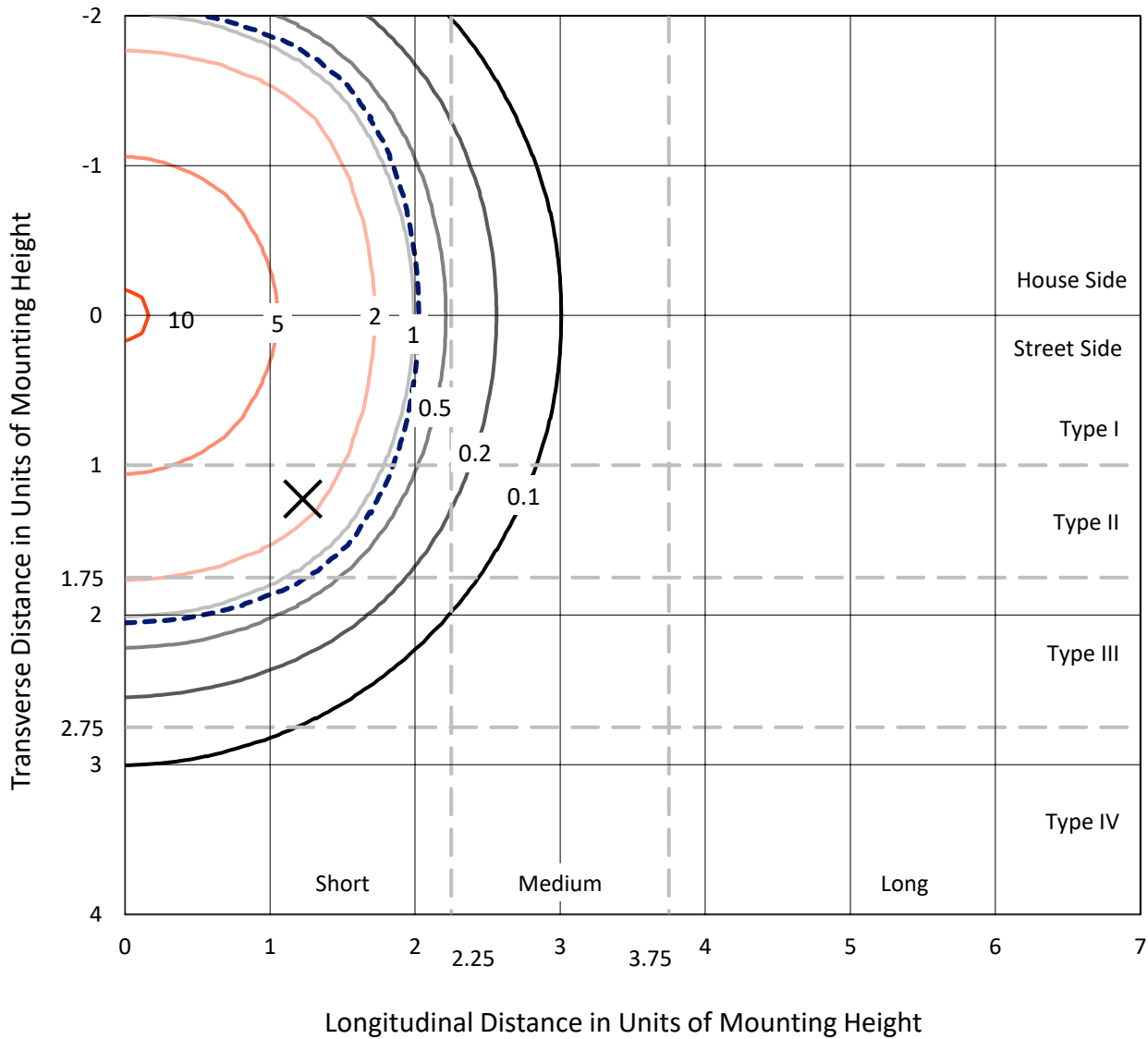
Lumens per Lamp: N/A  
Luminaire Lumens: 5757.6 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

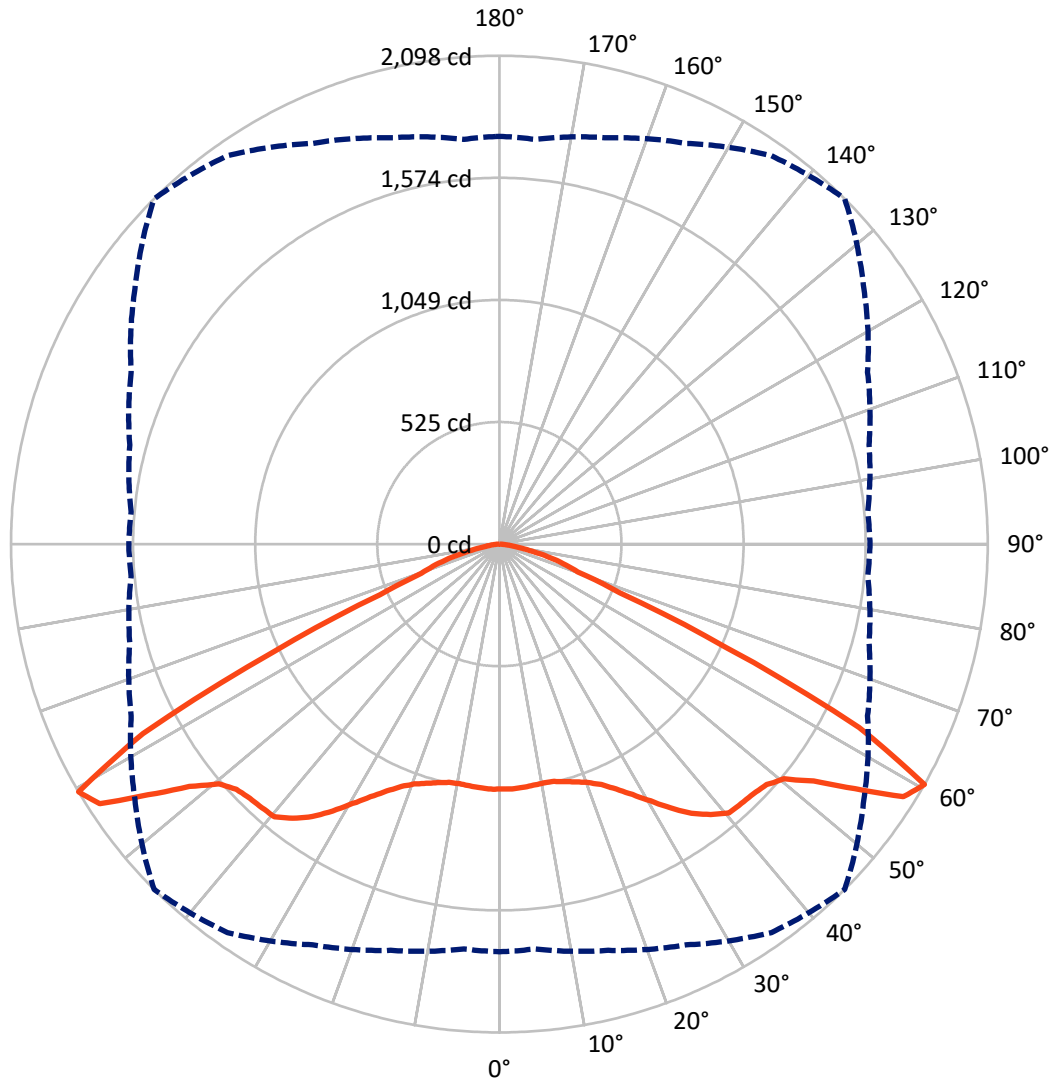
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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
<b>House Side</b>	Lumens	2878.8	0.0	2878.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2878.8	0.0	2878.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5757.6	0.0	5757.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	1.7
10°-20°	300.1	5.2
20°-30°	531.0	9.2
30°-40°	854.9	14.8
40°-50°	1175.1	20.4
50°-60°	1565.9	27.2
60°-70°	975.9	17.0
70°-80°	224.4	3.9
80°-90°	30.5	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°	5757.6	100.0
0°-180°	5757.6	100.0

**Coefficient of Utilization**



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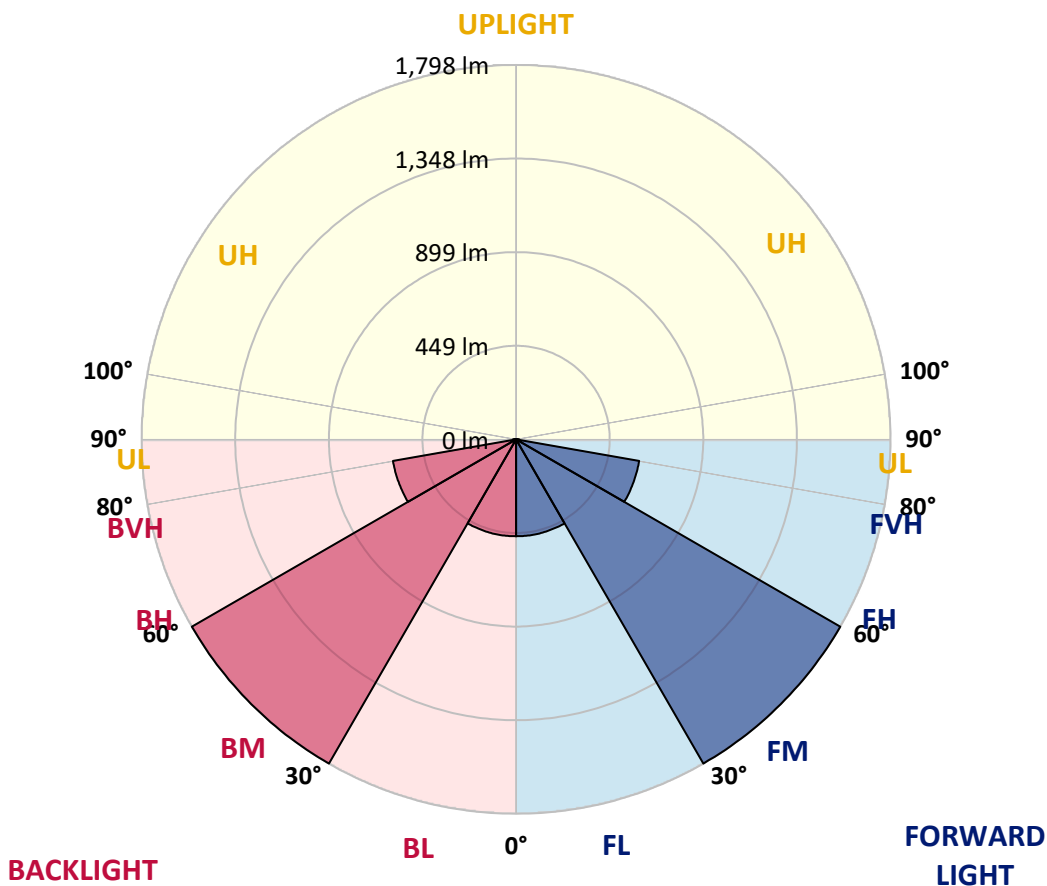
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.5	8.1			
FM (30°-60°)	1797.9	31.2			
FH (60°-80°)	600.2	10.4			G0/660
FVH (80°-90°)	15.2	0.3			G1/100
BL (0°-30°)	465.5	8.1	B1/500		
BM (30°-60°)	1797.9	31.2	B2/2500		
BH (60°-80°)	600.2	10.4	B2/1000		G0/660
BVH (80°-90°)	15.2	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°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	1044.9	1045.8	1047.8	1049.3	1051.2	1053.2	1054.1	1052.2	1051.2	1047.3	1051.7
5°	1045.8	1046.8	1048.3	1048.3	1048.8	1050.2	1050.2	1047.8	1045.4	1041.0	1045.8
7.5°	1044.4	1045.4	1045.8	1045.4	1045.8	1046.3	1045.4	1042.4	1040.0	1036.1	1040.0
10°	1041.9	1042.9	1043.9	1042.9	1041.9	1043.4	1043.4	1041.4	1040.0	1036.1	1040.5
12.5°	1047.3	1048.8	1049.3	1046.8	1045.8	1046.3	1046.3	1044.4	1044.4	1041.0	1045.8
15°	1060.0	1061.0	1059.5	1056.6	1057.1	1058.5	1055.1	1050.2	1049.3	1047.8	1051.7
17.5°	1069.8	1070.8	1069.3	1067.3	1070.8	1074.2	1067.8	1058.5	1055.6	1054.6	1059.0
20°	1080.5	1082.0	1080.0	1082.5	1089.3	1093.2	1085.4	1072.7	1066.9	1065.4	1070.8
22.5°	1098.1	1100.1	1100.1	1105.5	1115.7	1122.1	1112.3	1095.2	1086.4	1084.0	1089.3
25°	1126.0	1127.5	1128.9	1139.7	1156.3	1165.1	1149.4	1126.0	1113.8	1109.9	1112.8
27.5°	1164.6	1167.0	1169.5	1185.1	1205.6	1218.4	1195.9	1166.6	1151.4	1143.6	1149.4
30°	1210.5	1214.0	1219.8	1237.4	1266.2	1280.4	1251.6	1215.9	1198.8	1190.5	1198.3
32.5°	1273.1	1273.6	1278.0	1297.5	1335.6	1351.8	1315.6	1276.0	1258.4	1248.7	1253.1
35°	1347.4	1347.9	1341.0	1361.1	1402.1	1420.2	1377.7	1337.6	1322.9	1320.0	1331.2
37.5°	1423.6	1419.2	1412.4	1421.2	1462.7	1474.4	1429.5	1395.3	1388.9	1394.3	1410.9
40°	1477.9	1470.5	1456.8	1463.2	1505.2	1518.9	1471.0	1438.8	1436.8	1450.0	1470.0
42.5°	1513.0	1505.2	1489.1	1489.1	1517.9	1523.8	1486.7	1469.6	1474.0	1489.1	1508.2
45°	1530.2	1525.8	1516.5	1511.6	1527.7	1530.2	1501.8	1495.0	1503.3	1510.6	1525.3
47.5°	1543.3	1543.3	1540.4	1535.5	1542.9	1544.3	1523.3	1521.4	1532.1	1532.1	1541.9
50°	1566.8	1569.2	1573.2	1572.2	1580.0	1584.9	1569.2	1566.3	1570.7	1556.5	1561.4
52.5°	1628.4	1634.7	1646.0	1654.8	1674.8	1690.0	1662.1	1638.6	1615.7	1584.4	1585.4
55°	1738.8	1741.8	1763.8	1789.7	1823.4	1854.2	1797.0	1724.2	1674.3	1637.7	1638.2
57.5°	1832.2	1836.6	1868.8	1923.1	1998.8	2046.7	1920.1	1798.5	1728.1	1683.1	1684.6
60°	1751.5	1745.7	1806.8	1899.6	2036.9	2098.0	1911.3	1745.2	1644.0	1588.3	1592.2
62.5°	1355.2	1344.0	1411.9	1509.1	1673.8	1734.9	1562.9	1403.6	1307.8	1264.3	1257.9
65°	824.9	814.7	863.6	923.2	1034.6	1073.2	994.5	910.0	826.4	800.0	792.7
67.5°	449.1	447.7	460.9	490.2	539.0	557.1	542.0	501.9	480.4	461.8	461.8
70°	356.3	353.3	350.9	351.4	355.8	358.2	358.7	356.8	359.2	359.7	357.7
72.5°	295.2	294.2	289.3	289.8	287.9	286.9	290.3	292.2	296.2	296.6	296.6
75°	214.1	211.6	214.1	214.5	212.6	212.6	215.0	214.5	216.5	217.5	212.1
77.5°	121.7	121.7	125.1	129.0	132.0	132.0	134.4	134.4	136.8	136.4	135.4
80°	67.0	67.0	68.9	71.4	74.3	77.2	79.7	80.1	81.6	81.1	79.7
82.5°	38.1	38.6	39.6	41.1	44.0	46.4	48.9	49.4	50.8	50.8	49.4
85°	18.1	17.6	18.1	19.1	20.5	22.5	24.9	26.4	27.4	27.4	26.4
87.5°	3.4	3.9	3.4	3.9	4.4	5.9	6.8	7.8	9.3	9.8	8.8
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)