

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: P634060

Luminaire Tested: GWS-SA3B-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634060  
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-SA3B-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

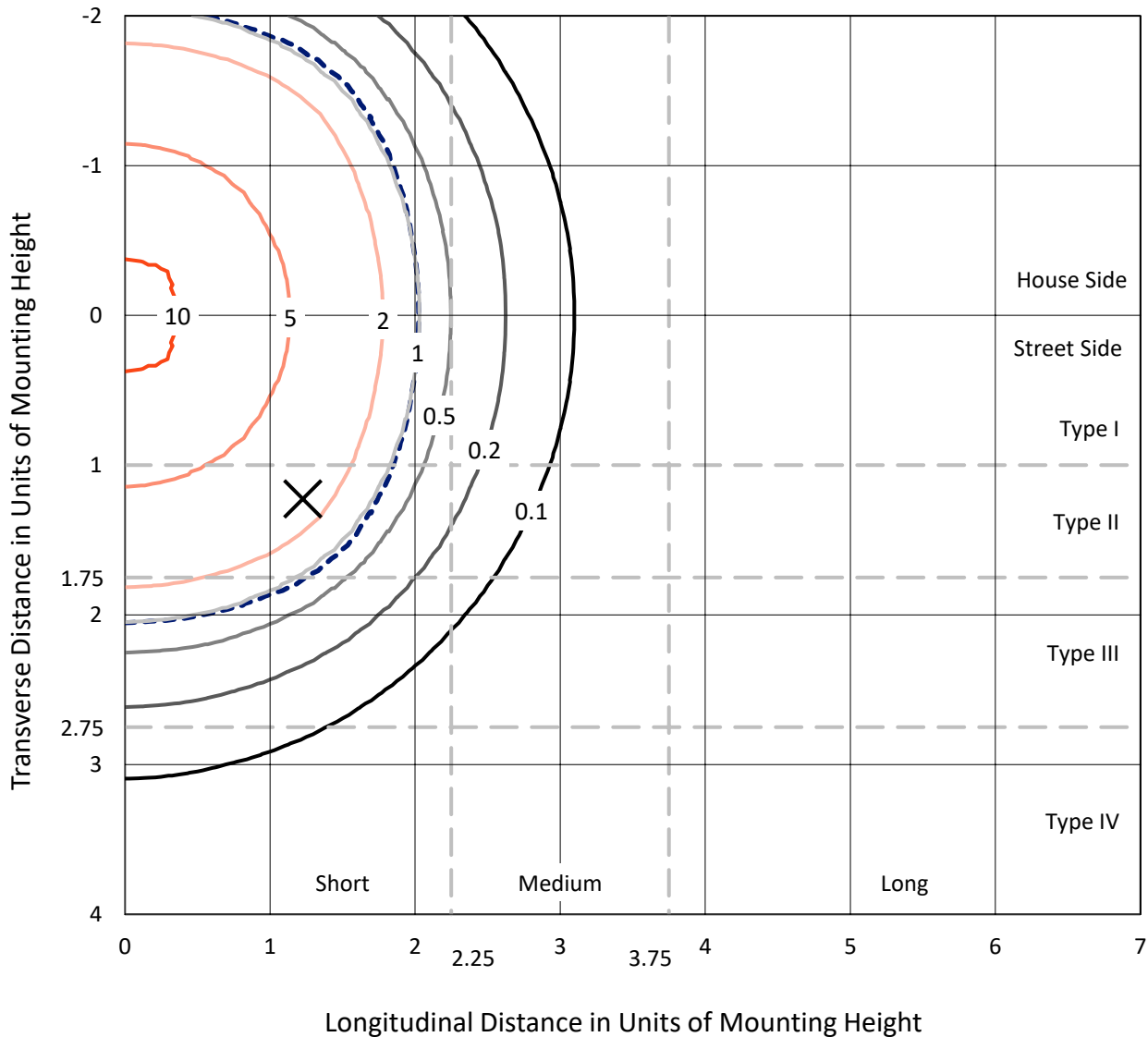
Lumens per Lamp: N/A  
Luminaire Lumens: 6470.6 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

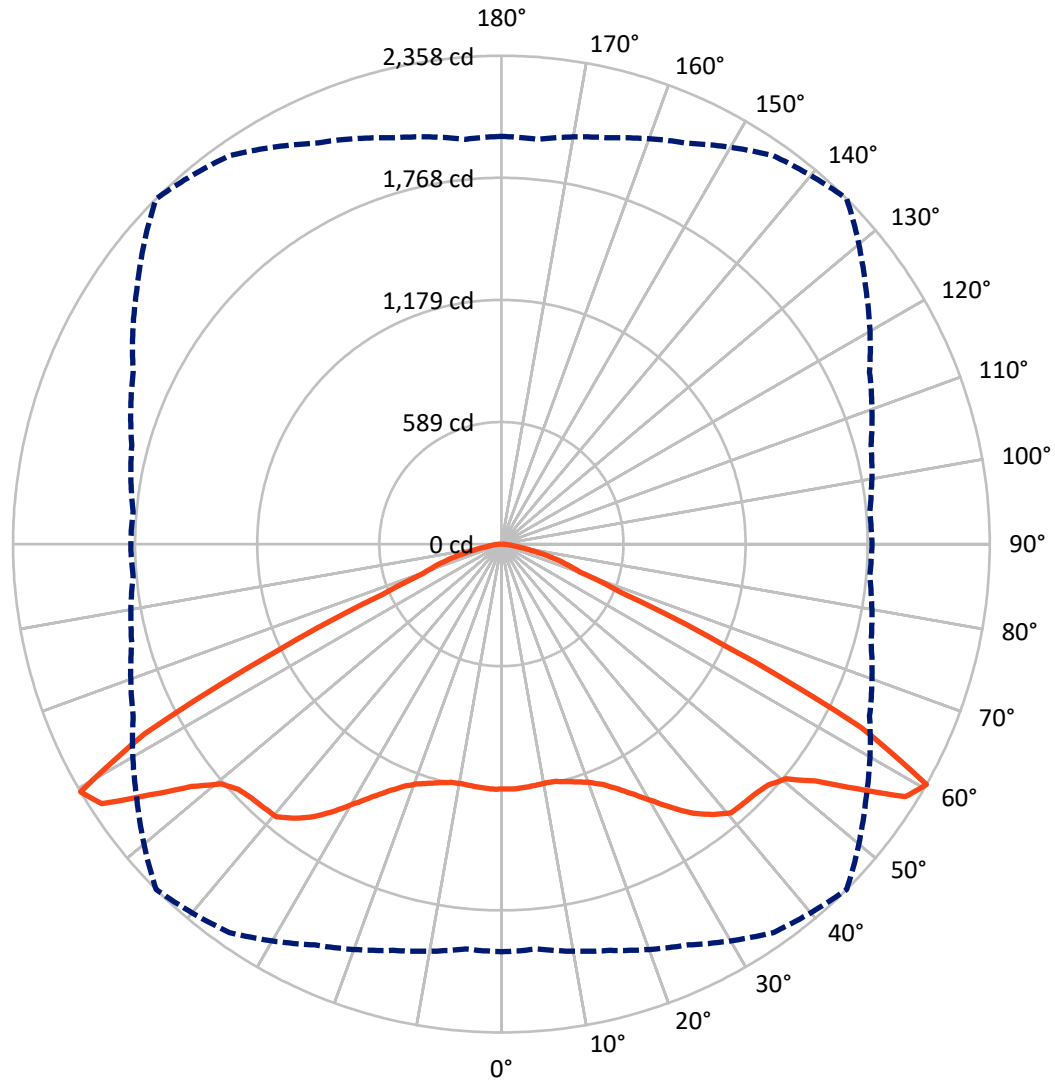
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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	3235.3	0.0	3235.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3235.3	0.0	3235.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6470.6	0.0	6470.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.1	1.7
10°-20°	337.3	5.2
20°-30°	596.8	9.2
30°-40°	960.8	14.8
40°-50°	1320.6	20.4
50°-60°	1759.8	27.2
60°-70°	1096.8	17.0
70°-80°	252.2	3.9
80°-90°	34.2	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°	6470.6	100.0
0°-180°	6470.6	100.0

**Coefficient of Utilization**



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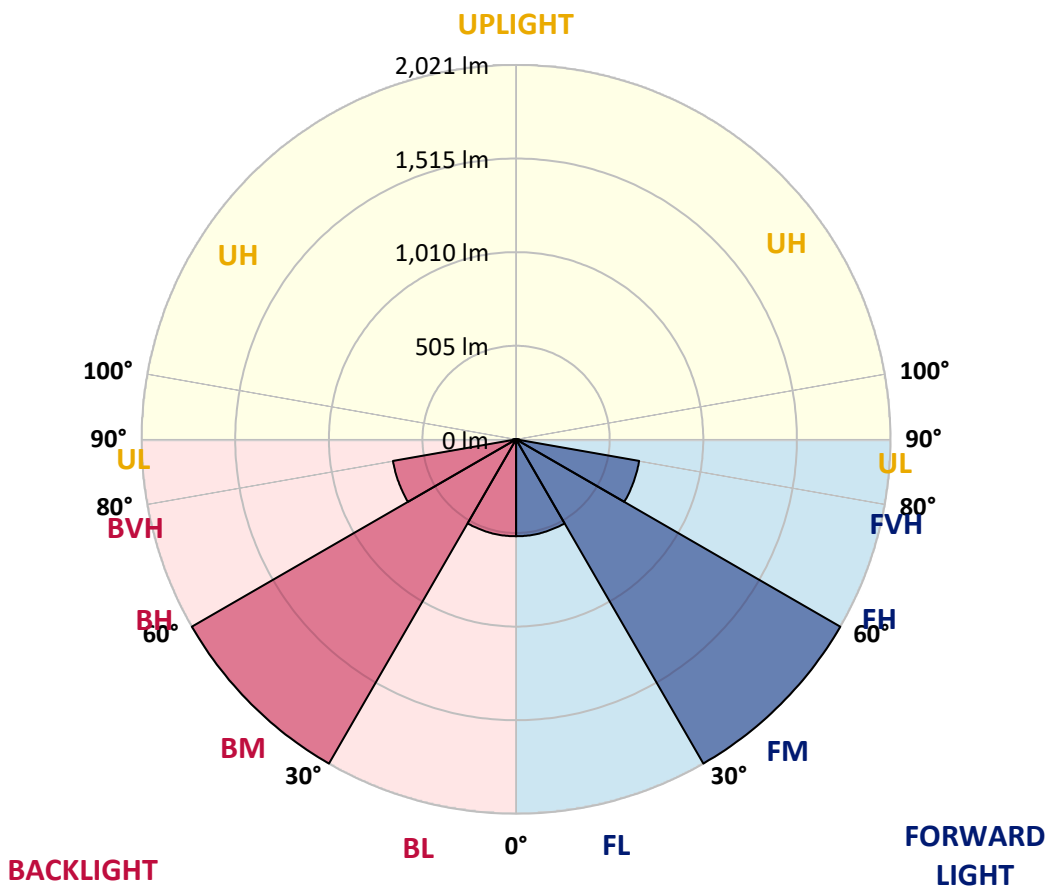
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	523.1	8.1			
FM (30°-60°)	2020.6	31.2			
FH (60°-80°)	674.5	10.4			G1/1800
FVH (80°-90°)	17.1	0.3			G1/100
BL (0°-30°)	523.1	8.1	B2/1000		
BM (30°-60°)	2020.6	31.2	B2/2500		
BH (60°-80°)	674.5	10.4	B2/1000		G1/1800
BVH (80°-90°)	17.1	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°	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5	1182.5
2.5°	1174.3	1175.4	1177.5	1179.2	1181.4	1183.6	1184.7	1182.5	1181.4	1177.0	1181.9
5°	1175.4	1176.5	1178.1	1178.1	1178.6	1180.3	1180.3	1177.5	1174.8	1169.9	1175.4
7.5°	1173.7	1174.8	1175.4	1174.8	1175.4	1175.9	1174.8	1171.5	1168.8	1164.4	1168.8
10°	1171.0	1172.1	1173.2	1172.1	1171.0	1172.6	1172.6	1170.4	1168.8	1164.4	1169.3
12.5°	1177.0	1178.6	1179.2	1176.5	1175.4	1175.9	1175.9	1173.7	1173.7	1169.9	1175.4
15°	1191.3	1192.4	1190.7	1187.4	1188.0	1189.6	1185.8	1180.3	1179.2	1177.5	1181.9
17.5°	1202.3	1203.4	1201.7	1199.5	1203.4	1207.2	1200.1	1189.6	1186.3	1185.2	1190.2
20°	1214.3	1216.0	1213.8	1216.5	1224.2	1228.6	1219.8	1205.6	1199.0	1197.3	1203.4
22.5°	1234.1	1236.3	1236.3	1242.4	1253.9	1261.0	1250.0	1230.8	1220.9	1218.2	1224.2
25°	1265.4	1267.1	1268.7	1280.8	1299.5	1309.4	1291.8	1265.4	1251.7	1247.3	1250.6
27.5°	1308.8	1311.6	1314.3	1331.9	1355.0	1369.2	1344.0	1311.0	1294.0	1285.2	1291.8
30°	1360.4	1364.3	1370.9	1390.7	1423.1	1439.0	1406.6	1366.5	1347.3	1337.9	1346.7
32.5°	1430.7	1431.3	1436.2	1458.2	1501.0	1519.2	1478.5	1434.0	1414.3	1403.3	1408.2
35°	1514.2	1514.8	1507.1	1529.6	1575.7	1596.1	1548.3	1503.2	1486.8	1483.5	1496.1
37.5°	1599.9	1595.0	1587.3	1597.2	1643.8	1657.0	1606.5	1568.1	1560.9	1567.0	1585.6
40°	1660.9	1652.6	1637.3	1644.4	1691.6	1707.0	1653.2	1616.9	1614.7	1629.6	1652.1
42.5°	1700.4	1691.6	1673.5	1673.5	1705.9	1712.5	1670.8	1651.5	1656.5	1673.5	1694.9
45°	1719.6	1714.7	1704.3	1698.8	1716.9	1719.6	1687.8	1680.1	1689.4	1697.7	1714.1
47.5°	1734.5	1734.5	1731.2	1725.7	1733.9	1735.6	1712.0	1709.8	1721.8	1721.8	1732.8
50°	1760.8	1763.6	1768.0	1766.9	1775.7	1781.2	1763.6	1760.3	1765.2	1749.3	1754.8
52.5°	1830.0	1837.2	1849.8	1859.7	1882.2	1899.2	1867.9	1841.6	1815.8	1780.6	1781.7
55°	1954.2	1957.5	1982.2	2011.3	2049.2	2083.8	2019.5	1937.7	1881.7	1840.5	1841.0
57.5°	2059.1	2064.0	2100.3	2161.2	2246.4	2300.2	2157.9	2021.2	1942.1	1891.5	1893.2
60°	1968.4	1961.9	2030.5	2134.9	2289.2	2357.8	2148.0	1961.3	1847.6	1785.0	1789.4
62.5°	1523.0	1510.4	1586.7	1696.0	1881.1	1949.8	1756.4	1577.4	1469.7	1420.9	1413.7
65°	927.1	915.6	970.5	1037.5	1162.7	1206.1	1117.7	1022.7	928.7	899.1	890.9
67.5°	504.7	503.1	517.9	550.9	605.8	626.1	609.1	564.1	539.9	519.0	519.0
70°	400.4	397.1	394.3	394.9	399.8	402.6	403.1	400.9	403.7	404.2	402.0
72.5°	331.7	330.6	325.1	325.7	323.5	322.4	326.2	328.4	332.8	333.4	333.4
75°	240.6	237.8	240.6	241.1	238.9	238.9	241.7	241.1	243.3	244.4	238.4
77.5°	136.8	136.8	140.6	145.0	148.3	148.3	151.0	151.0	153.8	153.2	152.1
80°	75.2	75.2	77.4	80.2	83.5	86.8	89.5	90.1	91.7	91.2	89.5
82.5°	42.8	43.4	44.5	46.1	49.4	52.2	54.9	55.5	57.1	57.1	55.5
85°	20.3	19.8	20.3	21.4	23.1	25.3	28.0	29.7	30.8	30.8	29.7
87.5°	3.8	4.4	3.8	4.4	4.9	6.6	7.7	8.8	10.4	11.0	9.9
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)