

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: P630424

Luminaire Tested: GWS-SA1D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

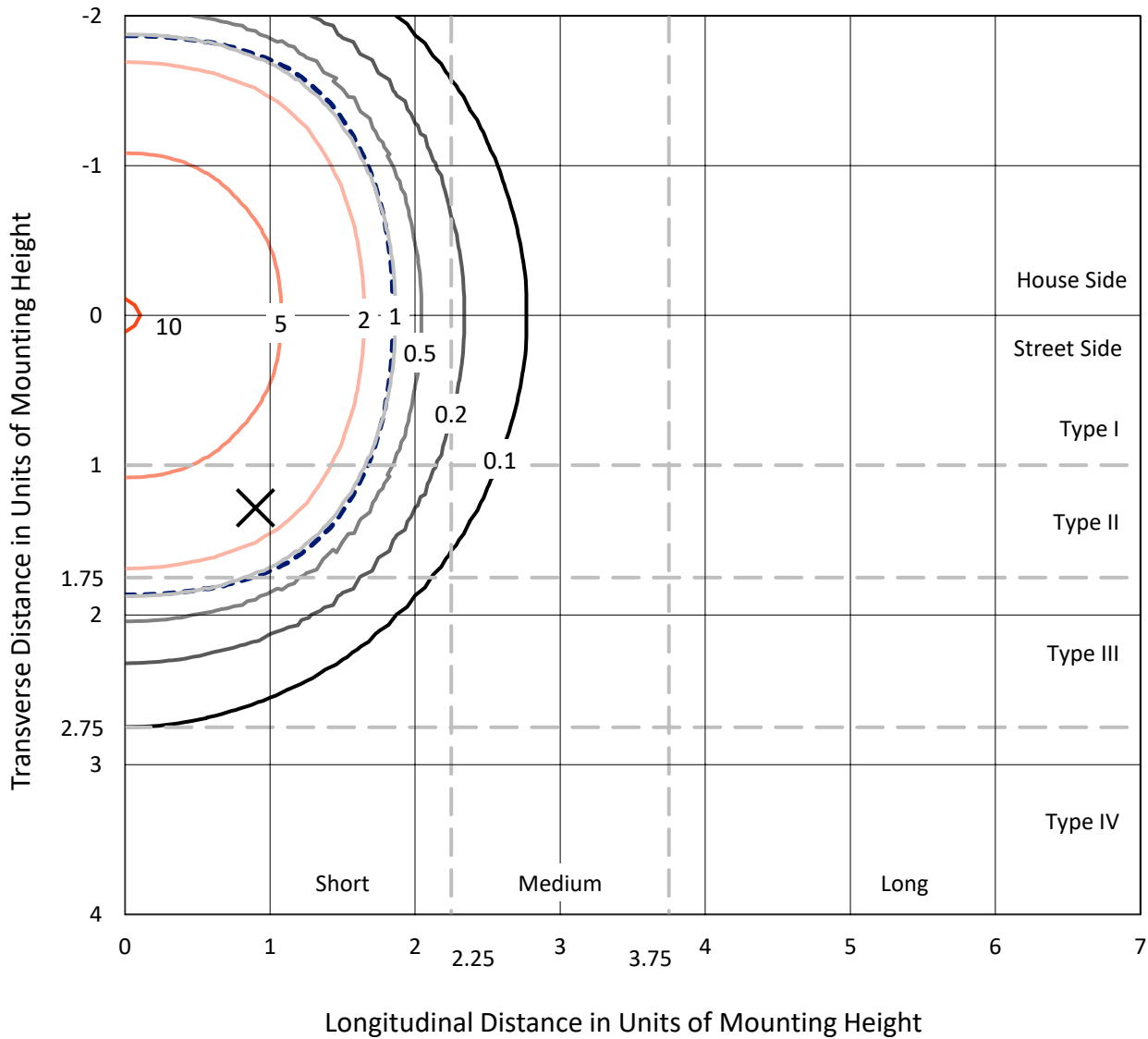
Lumens per Lamp: N/A  
Luminaire Lumens: 5356.6 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

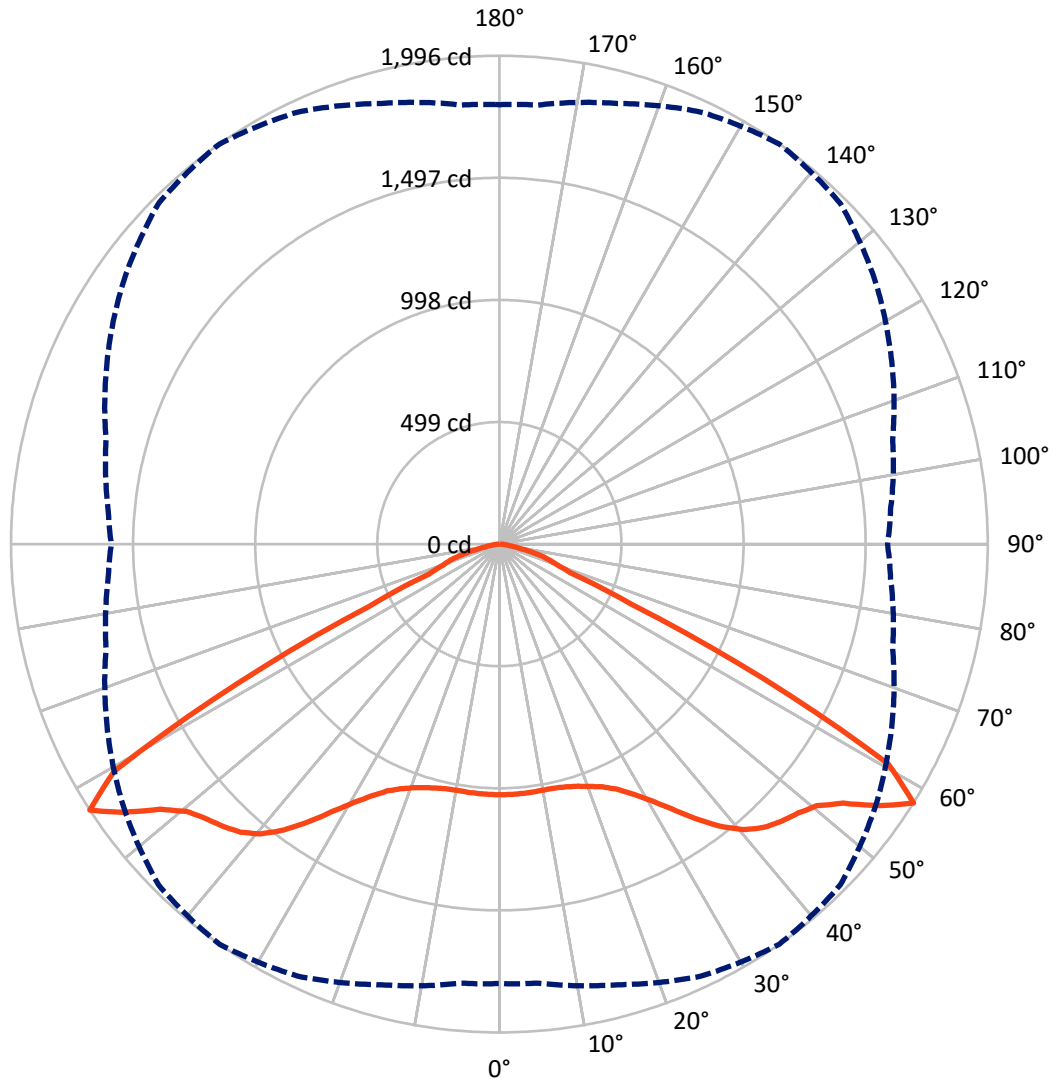
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2678.3	0.0	2678.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2678.3	0.0	2678.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5356.6	0.0	5356.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	1.8
10°-20°	290.9	5.4
20°-30°	507.6	9.5
30°-40°	832.3	15.5
40°-50°	1225.8	22.9
50°-60°	1564.3	29.2
60°-70°	659.3	12.3
70°-80°	157.5	2.9
80°-90°	21.4	0.4
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°	5356.6	100.0
0°-180°	5356.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630424

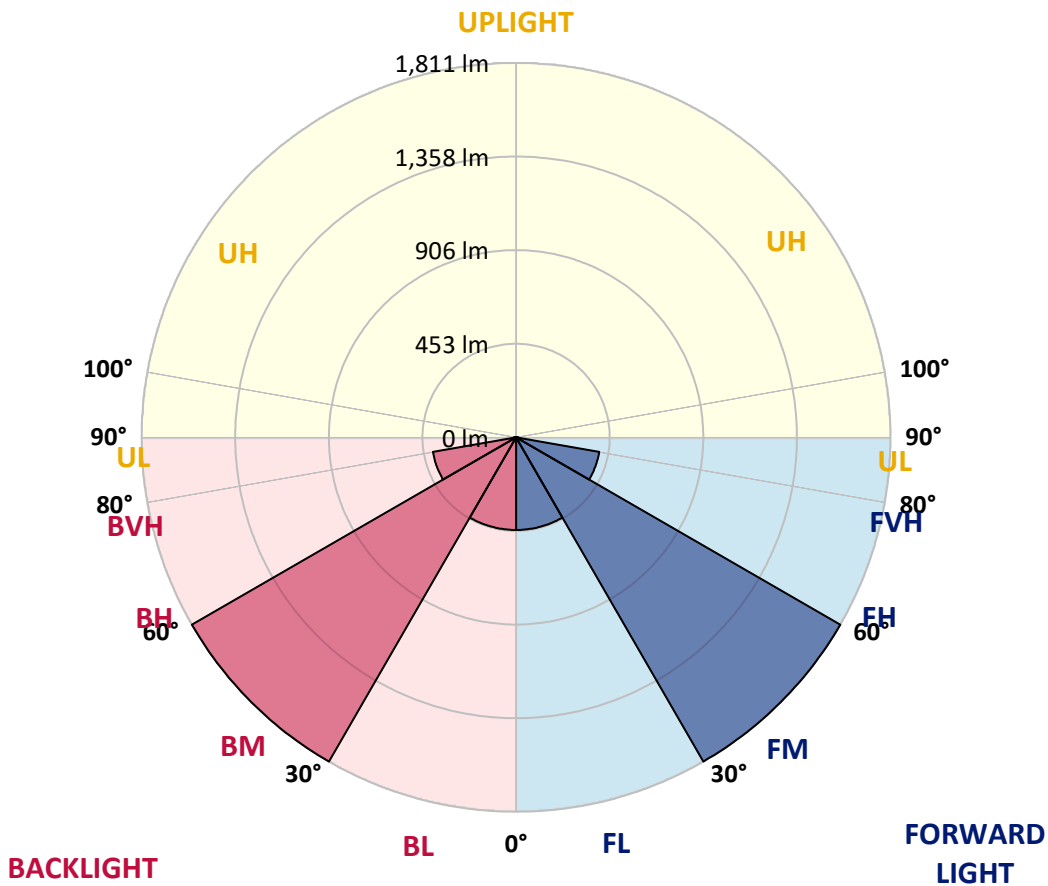
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.0	8.4			
FM (30°-60°)	1811.2	33.8			
FH (60°-80°)	408.4	7.6			G0/660
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	448.0	8.4	B1/500		
BM (30°-60°)	1811.2	33.8	B2/2500		
BH (60°-80°)	408.4	7.6	B1/500		G0/660
BVH (80°-90°)	10.7	0.2			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°	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9	1024.9
2.5°	1018.8	1018.8	1021.0	1023.2	1024.0	1028.0	1027.6	1026.2	1025.4	1022.7	1026.2
5°	1021.0	1021.0	1022.7	1024.0	1023.6	1026.7	1025.4	1023.2	1021.9	1019.2	1023.2
7.5°	1020.5	1020.5	1021.9	1023.2	1022.3	1024.9	1022.7	1019.7	1017.5	1014.8	1018.3
10°	1014.8	1015.7	1017.0	1020.1	1021.4	1025.4	1022.3	1017.5	1014.0	1010.9	1014.4
12.5°	1014.0	1014.8	1016.6	1020.5	1022.7	1028.4	1024.5	1016.6	1011.3	1007.4	1010.9
15°	1017.9	1018.8	1021.4	1026.2	1029.7	1035.9	1030.2	1019.2	1011.8	1006.5	1009.6
17.5°	1022.7	1024.0	1028.0	1035.0	1040.7	1047.3	1040.3	1027.1	1016.6	1009.6	1012.2
20°	1028.0	1029.7	1035.9	1046.4	1056.9	1065.3	1056.5	1039.0	1026.2	1017.0	1019.7
22.5°	1037.2	1039.4	1047.3	1062.2	1078.0	1090.3	1079.3	1055.6	1039.0	1027.1	1029.3
25°	1056.1	1058.7	1068.8	1086.8	1109.1	1124.0	1108.7	1081.9	1058.7	1044.2	1046.4
27.5°	1089.4	1090.7	1103.9	1127.5	1155.2	1172.3	1153.9	1122.3	1096.4	1079.7	1081.5
30°	1133.2	1137.2	1150.4	1181.5	1214.4	1237.2	1213.1	1175.8	1146.0	1125.8	1127.5
32.5°	1186.8	1189.4	1209.1	1241.6	1288.9	1315.3	1282.4	1238.1	1202.1	1177.5	1179.3
35°	1256.9	1259.1	1278.0	1319.2	1376.7	1401.2	1363.5	1312.6	1271.0	1247.7	1254.3
37.5°	1340.7	1344.6	1358.2	1399.0	1463.0	1487.2	1443.8	1396.4	1353.0	1331.5	1336.3
40°	1430.6	1430.2	1441.1	1477.1	1535.4	1550.3	1511.3	1473.6	1436.3	1422.3	1430.2
42.5°	1507.8	1505.6	1513.5	1543.3	1583.7	1585.0	1559.1	1538.0	1511.7	1502.1	1509.5
45°	1561.7	1562.6	1574.4	1595.1	1615.7	1604.7	1596.8	1593.3	1572.7	1559.5	1560.8
47.5°	1604.3	1607.8	1626.6	1640.7	1643.3	1624.9	1635.8	1641.1	1624.0	1603.8	1598.1
50°	1642.0	1647.7	1672.2	1687.2	1681.5	1658.2	1679.7	1687.6	1649.9	1611.3	1599.9
52.5°	1710.4	1717.0	1746.8	1766.1	1759.5	1736.3	1756.4	1728.4	1664.8	1617.4	1603.0
55°	1819.6	1822.7	1859.1	1890.6	1887.6	1859.1	1842.8	1780.6	1703.4	1654.3	1640.7
57.5°	1796.4	1801.6	1864.8	1949.0	1996.3	1970.5	1875.3	1769.2	1664.4	1605.1	1586.7
60°	1413.5	1426.2	1504.7	1652.9	1826.6	1826.2	1649.4	1484.5	1358.2	1279.7	1271.8
62.5°	825.4	834.1	905.6	1055.6	1211.3	1221.0	1096.8	983.7	873.2	820.1	794.7
65°	390.8	390.3	418.8	486.4	591.6	600.0	562.7	500.8	435.5	417.5	412.7
67.5°	288.6	288.6	286.4	291.2	311.4	315.8	311.4	301.3	295.2	299.1	296.5
70°	250.4	250.9	248.2	246.9	246.9	245.6	247.4	251.3	253.9	259.2	256.6
72.5°	203.1	203.5	203.5	203.9	204.4	202.6	205.2	207.4	207.9	209.6	207.9
75°	144.3	145.2	147.8	150.0	151.7	151.7	152.6	153.1	151.3	153.5	150.0
77.5°	79.4	80.3	85.1	89.0	93.0	93.4	94.7	95.6	94.7	96.5	93.9
80°	43.9	44.7	46.9	48.7	51.8	54.4	56.1	57.0	57.0	58.3	57.0
82.5°	25.0	25.9	27.2	28.1	30.7	32.9	34.6	36.0	36.0	36.4	35.5
85°	11.8	11.8	12.7	13.6	14.9	15.8	18.0	19.3	19.3	20.2	19.3
87.5°	1.8	2.2	2.6	2.6	3.5	4.4	5.3	5.7	6.6	7.0	7.0
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)