

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: P629932

Luminaire Tested: GWS-SA1C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

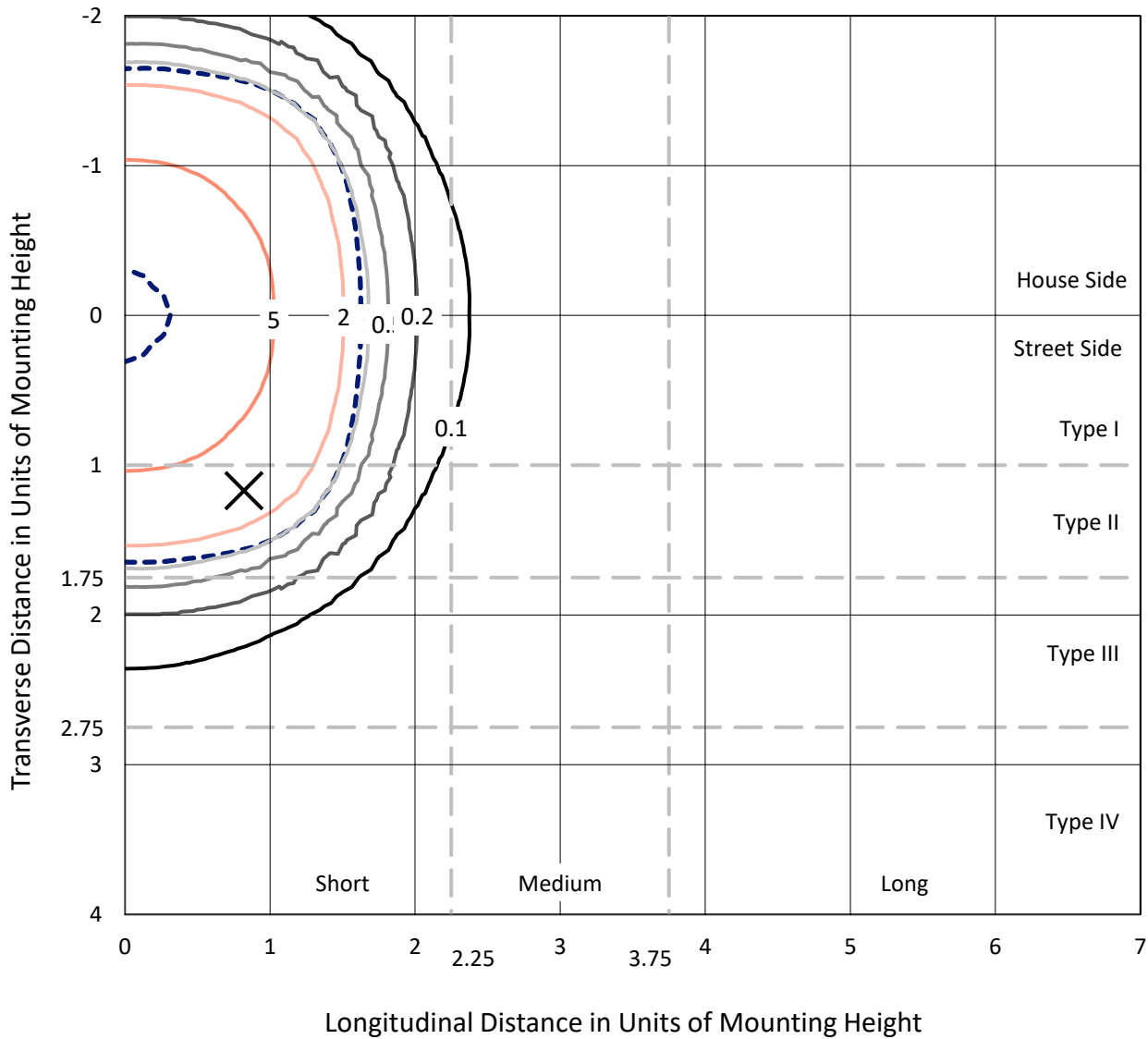
Lumens per Lamp: N/A  
Luminaire Lumens: 4396.2 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

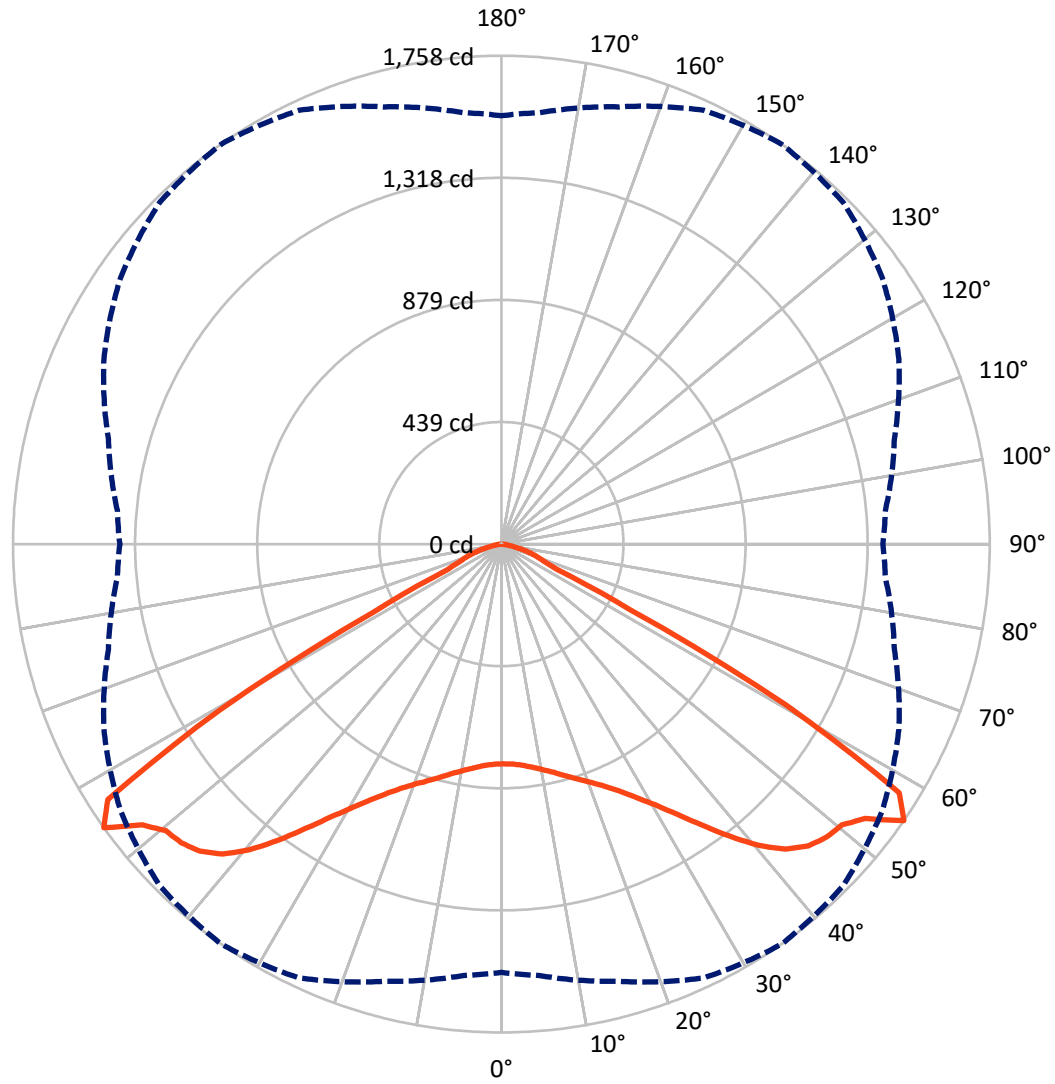
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2198.1	0.0	2198.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2198.1	0.0	2198.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4396.2	0.0	4396.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	1.8
10°-20°	245.6	5.6
20°-30°	454.6	10.3
30°-40°	760.4	17.3
40°-50°	1158.7	26.4
50°-60°	1298.0	29.5
60°-70°	307.1	7.0
70°-80°	82.8	1.9
80°-90°	11.9	0.3
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°	4396.2	100.0
0°-180°	4396.2	100.0

**Coefficient of Utilization**



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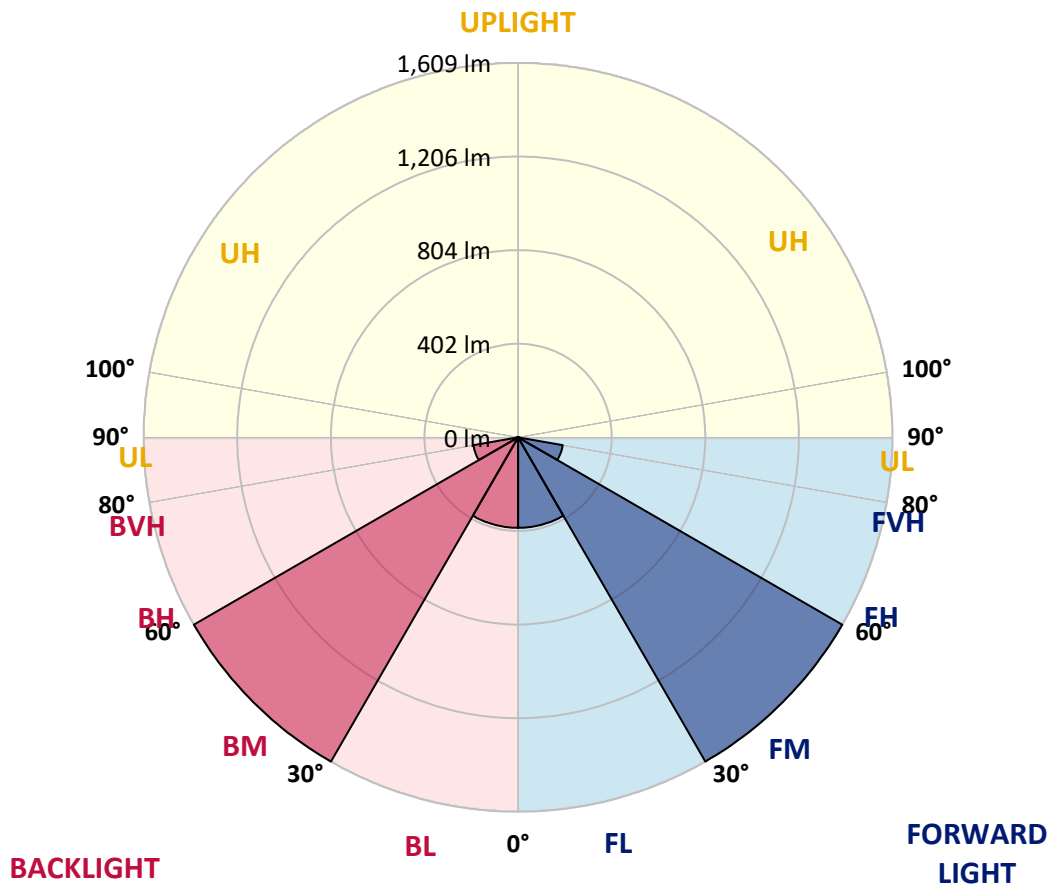
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.6	8.8			
FM (30°-60°)	1608.5	36.6			
FH (60°-80°)	195.0	4.4			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	388.6	8.8	B1/500		
BM (30°-60°)	1608.5	36.6	B2/2500		
BH (60°-80°)	195.0	4.4	B1/500		G0/660
BVH (80°-90°)	6.0	0.1			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°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	789.1	789.1	790.5	792.3	792.6	796.1	795.4	794.0	793.3	791.9	795.1
5°	797.8	798.2	799.2	800.3	799.6	802.4	801.3	799.6	798.5	796.8	799.9
7.5°	809.3	809.3	810.4	811.7	811.1	815.2	813.1	810.7	809.0	806.9	809.7
10°	819.7	820.4	821.5	824.3	825.7	830.2	828.8	825.3	822.5	820.1	823.2
12.5°	835.4	836.1	837.1	840.9	843.4	847.9	845.8	840.9	836.8	833.3	836.8
15°	855.5	854.9	857.6	862.5	865.6	869.8	867.4	859.0	853.5	848.9	852.4
17.5°	876.1	875.7	878.5	884.8	889.3	894.8	890.7	880.9	875.0	869.5	872.9
20°	898.3	899.4	902.1	908.0	914.6	921.9	918.5	908.0	901.4	895.2	898.0
22.5°	925.8	926.1	929.3	936.9	945.6	952.5	950.5	937.6	929.3	922.6	926.1
25°	958.8	958.5	962.6	971.7	983.8	990.8	986.3	972.0	963.0	955.3	958.1
27.5°	996.7	996.3	1002.6	1014.4	1031.8	1041.5	1032.2	1014.4	1001.9	991.1	993.6
30°	1044.3	1043.3	1050.2	1066.2	1088.8	1105.2	1091.3	1066.6	1050.2	1038.8	1041.2
32.5°	1097.2	1098.6	1107.2	1128.8	1157.3	1178.5	1157.7	1130.2	1108.3	1091.6	1094.4
35°	1155.2	1155.2	1172.9	1199.7	1240.4	1268.5	1236.2	1196.6	1167.4	1144.4	1145.1
37.5°	1219.9	1220.6	1243.9	1280.7	1333.9	1366.9	1323.1	1274.1	1238.7	1214.0	1212.6
40°	1298.8	1300.9	1324.9	1365.9	1425.7	1455.9	1409.0	1361.0	1324.9	1295.7	1292.9
42.5°	1387.8	1388.5	1413.9	1450.7	1501.1	1519.2	1482.4	1443.1	1413.5	1387.1	1384.3
45°	1472.6	1470.9	1492.8	1520.2	1549.4	1551.2	1530.7	1514.7	1489.0	1466.4	1462.2
47.5°	1538.7	1537.3	1557.1	1572.0	1575.5	1558.5	1565.1	1567.5	1537.6	1507.0	1499.0
50°	1579.0	1581.8	1600.5	1608.9	1588.4	1560.6	1585.6	1579.3	1536.6	1496.6	1483.7
52.5°	1603.3	1607.5	1640.2	1661.4	1640.2	1613.8	1617.2	1580.4	1518.9	1466.0	1449.3
55°	1541.8	1558.5	1629.1	1722.9	1757.7	1739.3	1673.2	1578.3	1464.3	1387.4	1373.2
57.5°	1142.7	1169.1	1273.8	1477.1	1688.5	1755.6	1562.7	1323.1	1150.4	1051.6	1043.3
60°	583.3	612.9	696.7	905.6	1177.5	1272.0	1088.5	847.2	673.4	593.4	584.4
62.5°	238.1	243.0	270.5	351.1	520.4	600.4	527.4	370.2	278.1	256.2	256.6
65°	187.4	188.4	187.0	191.9	218.0	242.0	223.5	196.4	191.6	194.0	192.2
67.5°	163.4	163.7	162.7	162.7	163.7	162.7	164.8	165.8	166.5	169.3	167.6
70°	136.6	137.0	137.0	137.7	137.3	135.6	138.7	140.1	140.4	142.2	141.1
72.5°	105.7	106.7	107.4	107.8	107.4	106.4	108.1	110.6	110.2	111.9	110.2
75°	71.6	73.0	73.7	75.1	74.7	74.7	76.8	77.9	76.8	78.2	76.8
77.5°	40.7	41.7	43.8	45.2	46.6	47.6	49.0	49.7	49.4	50.1	49.4
80°	23.6	24.0	25.7	26.4	28.2	29.9	31.3	32.0	32.3	32.7	32.3
82.5°	13.6	13.9	14.6	15.3	16.7	18.1	19.5	20.5	20.5	20.9	20.5
85°	6.6	6.6	7.0	7.3	8.0	9.0	10.1	11.1	11.5	11.5	11.5
87.5°	1.0	1.0	1.4	1.4	1.7	2.1	2.8	3.5	3.8	3.8	3.8
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)