

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: P629877

Luminaire Tested: GWS-SA1C-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629877  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

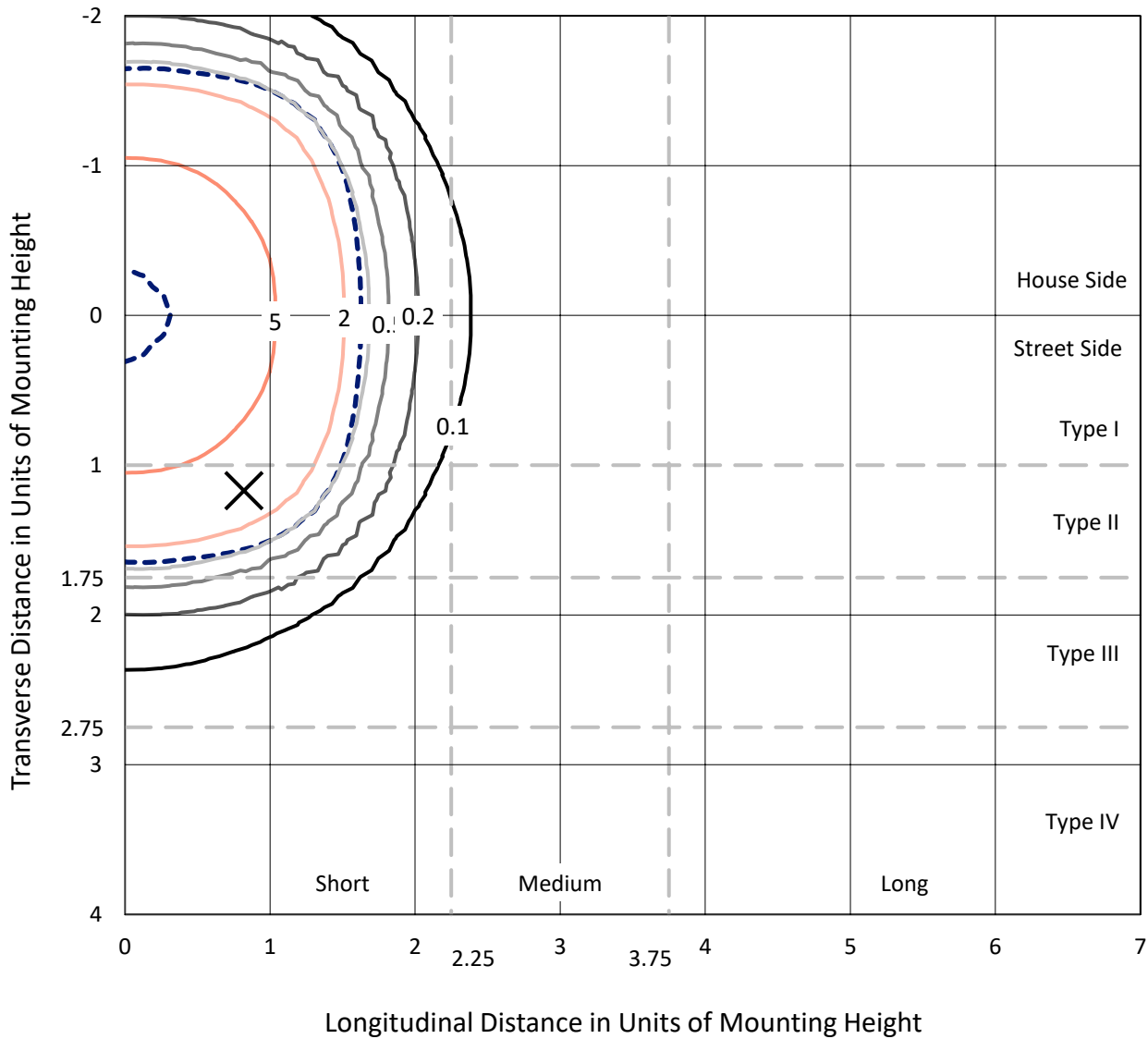
Lumens per Lamp: N/A  
Luminaire Lumens: 4457.3 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

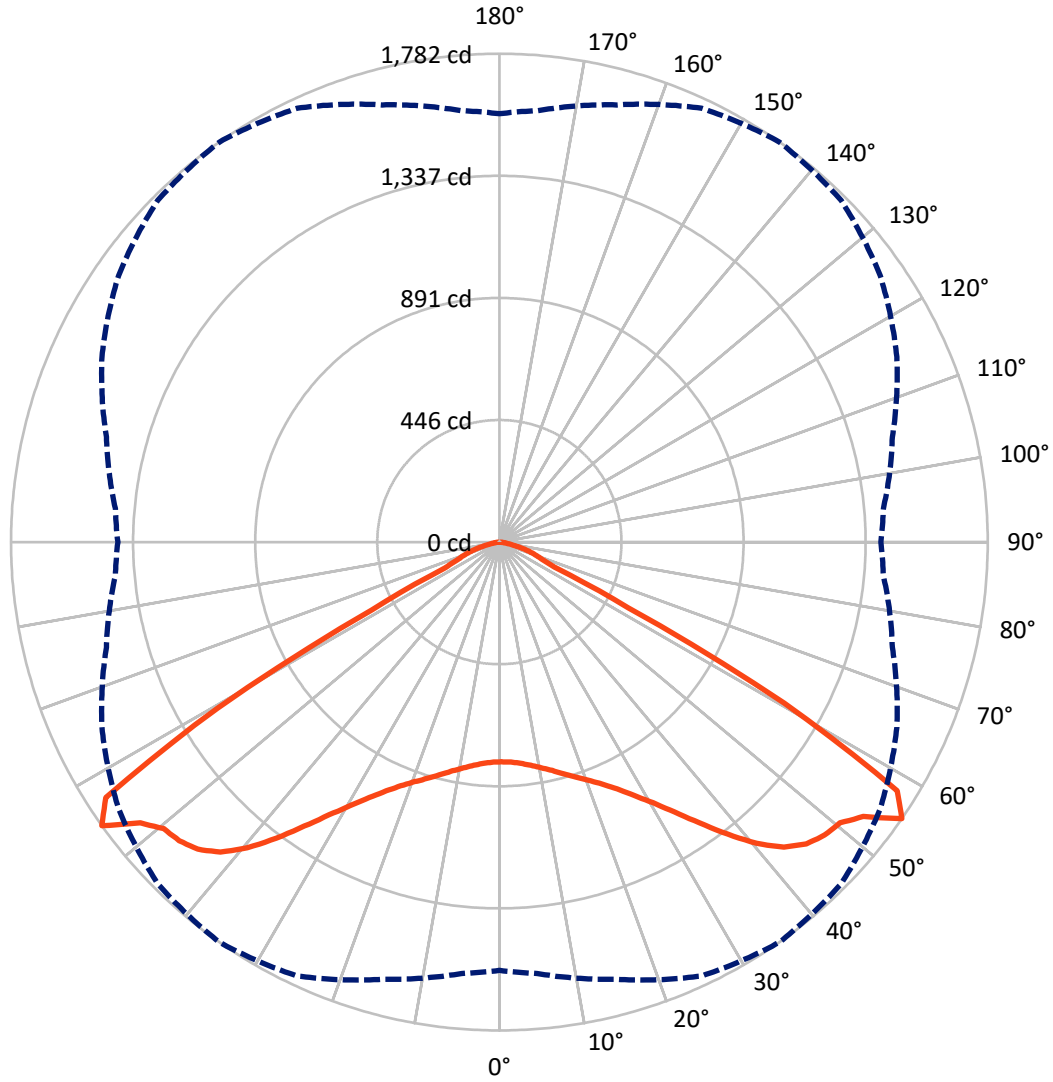
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 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	2228.6	0.0	2228.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2228.6	0.0	2228.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4457.3	0.0	4457.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.2	1.8
10°-20°	249.0	5.6
20°-30°	460.9	10.3
30°-40°	771.0	17.3
40°-50°	1174.8	26.4
50°-60°	1316.0	29.5
60°-70°	311.4	7.0
70°-80°	84.0	1.9
80°-90°	12.1	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°	4457.3	100.0
0°-180°	4457.3	100.0

**Coefficient of Utilization**



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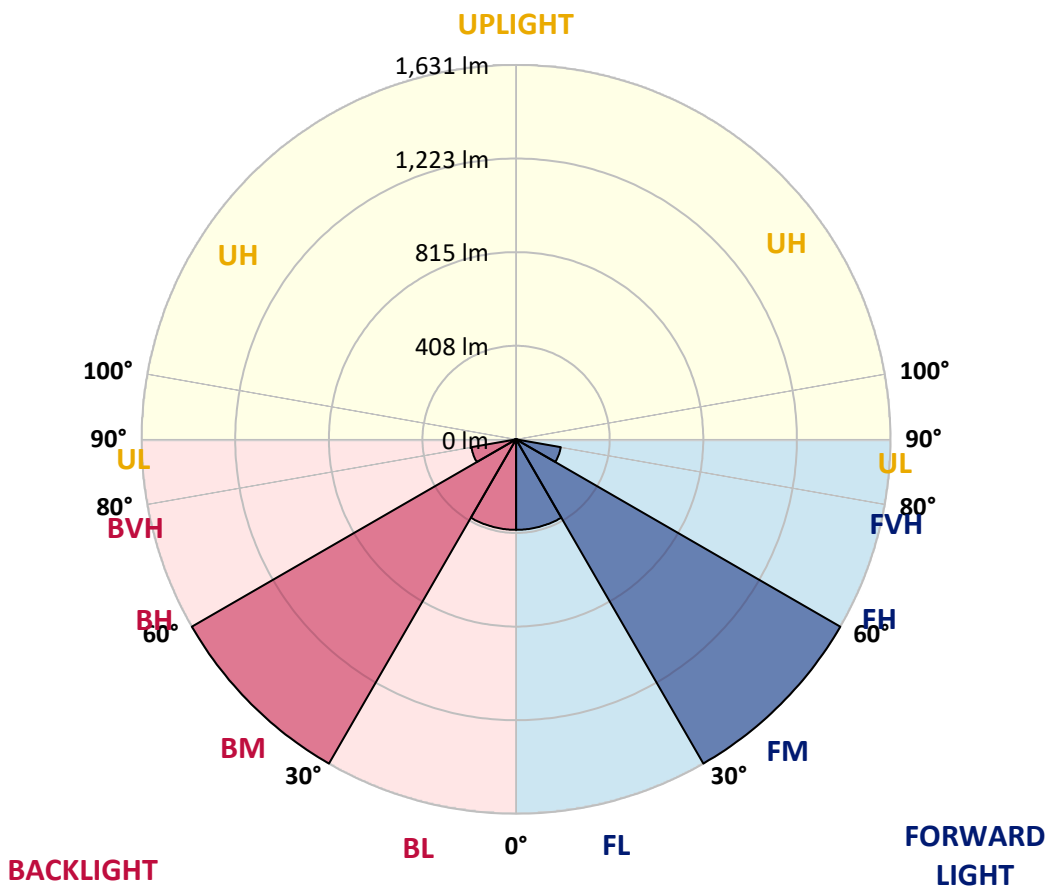
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.1	8.8			
FM (30°-60°)	1630.9	36.6			
FH (60°-80°)	197.7	4.4			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	394.1	8.8	B1/500		
BM (30°-60°)	1630.9	36.6	B2/2500		
BH (60°-80°)	197.7	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°	801.9	801.9	801.9	801.9	801.9	801.9	801.9	801.9	801.9	801.9	801.9
2.5°	800.1	800.1	801.5	803.3	803.6	807.2	806.5	805.1	804.3	802.9	806.1
5°	808.9	809.3	810.3	811.4	810.7	813.5	812.5	810.7	809.6	807.9	811.0
7.5°	820.6	820.6	821.6	823.0	822.3	826.6	824.4	822.0	820.2	818.1	820.9
10°	831.1	831.8	832.9	835.7	837.1	841.7	840.3	836.8	834.0	831.5	834.7
12.5°	847.0	847.7	848.8	852.6	855.1	859.7	857.6	852.6	848.4	844.9	848.4
15°	867.4	866.7	869.6	874.5	877.7	881.9	879.4	871.0	865.3	860.7	864.3
17.5°	888.2	887.9	890.7	897.0	901.6	907.3	903.0	893.2	887.2	881.5	885.1
20°	910.8	911.9	914.7	920.7	927.4	934.8	931.2	920.7	914.0	907.6	910.4
22.5°	938.6	939.0	942.2	949.9	958.7	965.8	963.7	950.6	942.2	935.5	939.0
25°	972.1	971.8	976.0	985.2	997.5	1004.6	1000.0	985.5	976.4	968.6	971.4
27.5°	1010.5	1010.2	1016.5	1028.5	1046.1	1056.0	1046.5	1028.5	1015.8	1004.9	1007.4
30°	1058.8	1057.8	1064.8	1081.0	1104.0	1120.5	1106.4	1081.4	1064.8	1053.2	1055.7
32.5°	1112.4	1113.8	1122.6	1144.5	1173.4	1194.9	1173.7	1145.9	1123.7	1106.8	1109.6
35°	1171.3	1171.3	1189.3	1216.4	1257.6	1286.2	1253.4	1213.2	1183.6	1160.3	1161.1
37.5°	1236.8	1237.5	1261.2	1298.5	1352.4	1385.9	1341.5	1291.8	1255.9	1230.8	1229.4
40°	1316.8	1319.0	1343.3	1384.9	1445.5	1476.2	1428.6	1379.9	1343.3	1313.7	1310.9
42.5°	1407.1	1407.8	1433.5	1470.9	1522.0	1540.3	1503.0	1463.1	1433.2	1406.4	1403.6
45°	1493.1	1491.3	1513.5	1541.4	1571.0	1572.7	1551.9	1535.7	1509.6	1486.7	1482.5
47.5°	1560.1	1558.6	1578.7	1593.9	1597.4	1580.1	1586.8	1589.3	1559.0	1528.0	1519.9
50°	1600.9	1603.8	1622.8	1631.3	1610.5	1582.3	1607.6	1601.3	1557.9	1517.4	1504.4
52.5°	1625.6	1629.8	1663.0	1684.5	1663.0	1636.2	1639.7	1602.4	1540.0	1486.4	1469.5
55°	1563.2	1580.1	1651.7	1746.9	1782.1	1763.4	1696.5	1600.2	1484.6	1406.7	1392.3
57.5°	1158.6	1185.4	1291.5	1497.7	1712.0	1780.0	1584.4	1341.5	1166.3	1066.2	1057.8
60°	591.5	621.4	706.4	918.2	1193.8	1289.7	1103.6	859.0	682.7	601.7	592.5
62.5°	241.4	246.4	274.2	356.0	527.7	608.7	534.7	375.4	282.0	259.8	260.1
65°	190.0	191.0	189.6	194.6	221.0	245.3	226.6	199.1	194.2	196.7	194.9
67.5°	165.7	166.0	165.0	165.0	166.0	165.0	167.1	168.1	168.8	171.7	169.9
70°	138.5	138.9	138.9	139.6	139.2	137.5	140.6	142.0	142.4	144.2	143.1
72.5°	107.2	108.2	108.9	109.3	108.9	107.9	109.6	112.1	111.7	113.5	111.7
75°	72.6	74.0	74.7	76.1	75.8	75.8	77.9	79.0	77.9	79.3	77.9
77.5°	41.2	42.3	44.4	45.8	47.2	48.3	49.7	50.4	50.1	50.8	50.1
80°	24.0	24.3	26.1	26.8	28.6	30.3	31.7	32.4	32.8	33.1	32.8
82.5°	13.7	14.1	14.8	15.5	16.9	18.3	19.7	20.8	20.8	21.1	20.8
85°	6.7	6.7	7.0	7.4	8.1	9.2	10.2	11.3	11.6	11.6	11.6
87.5°	1.1	1.1	1.4	1.4	1.8	2.1	2.8	3.5	3.9	3.9	3.9
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)