

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: P629951

Luminaire Tested: GWS-SA1C-760-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4751.5 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
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

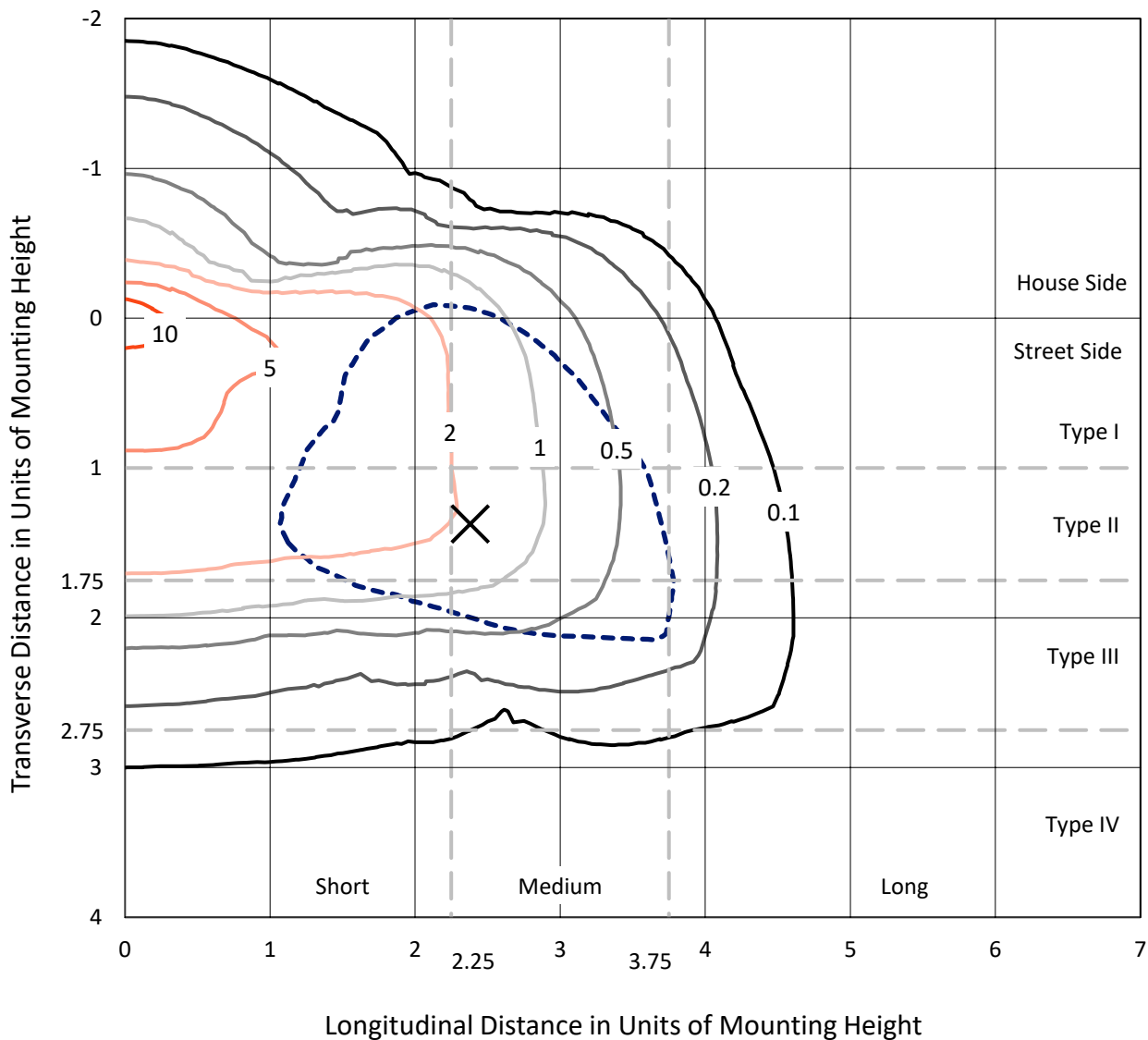


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### Iso-Footcandle Lines of Horizontal Illumination

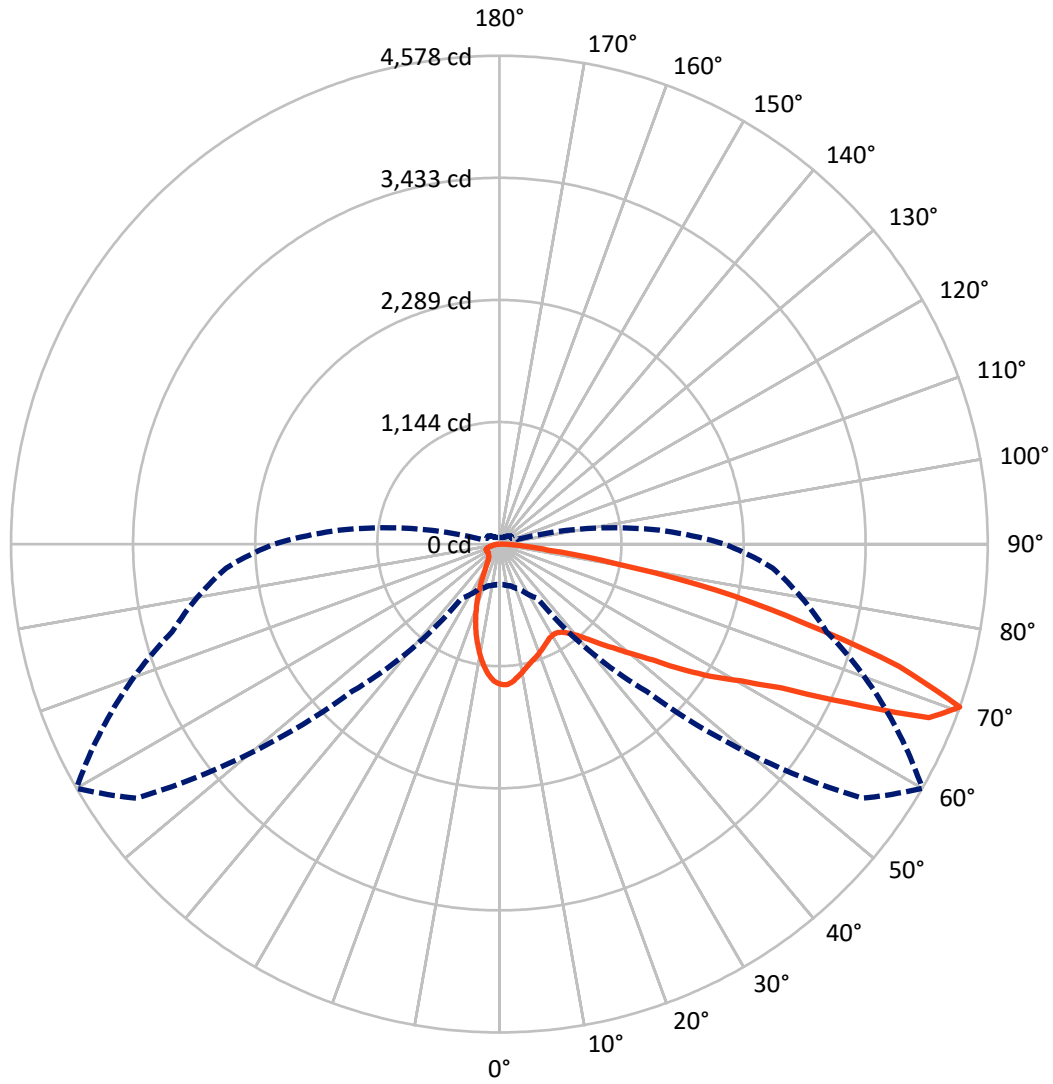
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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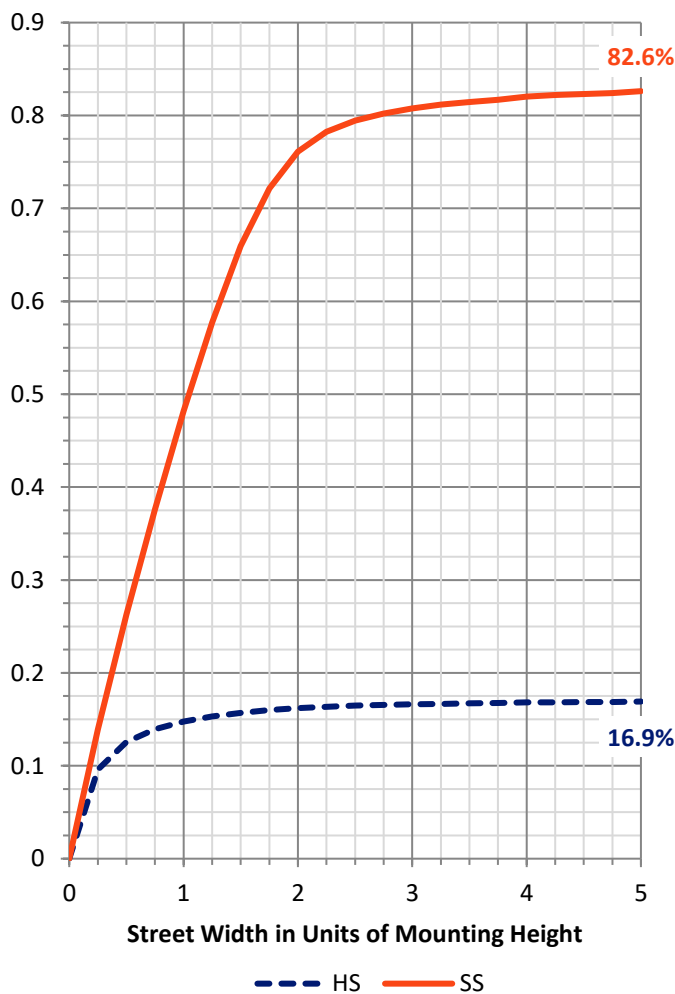
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	812.6	0.0	812.6
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	3938.9	0.0	3938.9
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	4751.5	0.0	4751.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	2.4
10°-20°	253.9	5.3
20°-30°	325.2	6.8
30°-40°	427.3	9.0
40°-50°	620.0	13.0
50°-60°	967.3	20.4
60°-70°	1266.4	26.7
70°-80°	700.3	14.7
80°-90°	77.7	1.6
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°	4751.5	100.0
0°-180°	4751.5	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8
2.5°	1296.4	1297.8	1301.6	1307.2	1312.7	1315.5	1322.4	1320.4	1319.0	1316.2	1312.7
5°	1239.0	1241.8	1245.3	1256.0	1268.2	1278.0	1293.6	1295.3	1296.0	1297.4	1291.9
7.5°	1166.0	1166.7	1175.0	1189.3	1205.3	1222.0	1248.1	1255.4	1261.6	1268.6	1264.0
10°	1085.4	1087.1	1093.4	1113.9	1141.3	1166.0	1201.1	1213.3	1226.5	1241.8	1235.5
12.5°	1019.3	1019.6	1029.7	1051.6	1081.5	1114.9	1158.7	1173.3	1190.7	1214.7	1209.1
15°	966.8	966.8	976.2	995.0	1029.4	1068.7	1120.8	1139.6	1163.2	1195.6	1185.8
17.5°	925.1	925.4	931.3	951.2	981.8	1025.2	1087.1	1112.5	1138.5	1181.3	1166.7
20°	903.2	901.4	902.5	914.7	940.7	982.8	1053.4	1082.9	1118.0	1171.6	1149.3
22.5°	902.1	899.0	894.5	895.5	910.8	945.6	1017.2	1053.0	1097.2	1163.6	1131.6
25°	919.9	916.4	908.4	899.4	898.0	918.8	983.1	1023.8	1075.6	1160.1	1114.6
27.5°	949.8	947.3	936.9	923.4	909.1	908.4	957.4	999.8	1060.0	1163.6	1102.4
30°	989.4	985.2	978.6	961.2	939.7	917.4	947.3	987.0	1049.5	1174.7	1097.2
32.5°	1034.3	1031.8	1025.6	1008.2	985.2	949.8	955.3	989.8	1049.5	1194.2	1098.2
35°	1081.9	1081.5	1081.5	1070.1	1044.7	1000.5	987.0	1013.4	1065.5	1225.5	1109.3
37.5°	1128.1	1127.8	1138.9	1143.1	1114.2	1066.6	1040.9	1060.7	1100.7	1271.7	1136.8
40°	1165.7	1167.1	1191.4	1212.2	1196.3	1152.1	1115.9	1126.0	1157.7	1337.4	1184.8
42.5°	1203.6	1207.4	1243.9	1280.7	1287.0	1248.7	1212.2	1218.2	1239.4	1424.3	1256.4
45°	1244.9	1246.7	1297.8	1349.2	1379.5	1356.9	1327.0	1335.0	1339.8	1531.7	1363.1
47.5°	1284.9	1289.4	1355.5	1426.0	1483.4	1481.3	1464.6	1462.2	1463.2	1662.4	1489.3
50°	1339.5	1346.1	1423.6	1508.8	1592.9	1631.5	1636.4	1617.9	1610.3	1807.8	1646.5
52.5°	1443.1	1443.1	1512.6	1596.4	1709.4	1805.0	1837.7	1807.4	1783.1	1961.4	1813.3
55°	1572.8	1578.3	1633.6	1701.4	1844.6	1987.5	2098.1	2064.7	1995.8	2128.6	1988.2
57.5°	1630.5	1637.4	1725.0	1830.4	2021.6	2195.0	2348.4	2336.5	2236.1	2302.5	2169.7
60°	1526.2	1540.8	1661.4	1838.0	2181.8	2529.8	2637.9	2603.5	2460.0	2485.0	2366.4
62.5°	1273.1	1289.1	1422.9	1669.4	2159.6	2891.7	3094.4	2967.5	2739.5	2715.5	2628.6
65°	759.6	758.9	919.9	1246.7	1885.3	2992.2	3816.8	3580.1	3171.2	3031.8	2898.3
67.5°	482.9	481.8	515.6	660.5	1254.7	2746.1	4281.3	4342.8	3757.7	3264.4	2920.6
70°	381.0	380.7	405.0	471.1	620.6	1954.1	4151.9	4577.8	4112.0	3175.8	2571.5
72.5°	277.8	278.5	316.0	394.6	478.7	981.1	3362.1	3916.9	3782.1	2803.4	2087.6
75°	199.5	200.6	223.2	302.1	441.5	536.4	2235.7	2945.3	2877.5	2247.2	1436.1
77.5°	126.9	128.3	148.1	211.7	356.7	433.2	1355.5	2079.3	1914.5	1266.1	510.7
80°	77.5	82.0	98.7	157.8	285.1	325.1	677.6	1095.4	958.8	347.3	171.7
82.5°	40.0	43.5	59.4	97.7	196.4	285.4	383.5	460.3	296.9	145.3	91.4
85°	12.5	14.6	20.9	39.6	93.5	177.0	253.8	228.8	136.3	68.5	42.4
87.5°	3.1	3.1	3.5	3.5	3.8	8.0	49.0	51.8	36.2	21.6	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8
2.5°	1305.8	1297.4	1293.9	1293.6	1284.9	1272.4	1264.0	1258.1	1254.7	1254.0	1254.0
5°	1282.5	1271.7	1257.4	1246.7	1223.4	1199.7	1179.9	1168.8	1155.9	1154.2	1153.8
7.5°	1251.5	1235.9	1208.8	1178.5	1137.8	1098.6	1065.2	1042.6	1020.0	1015.8	1014.4
10°	1218.2	1196.9	1150.7	1097.5	1036.7	977.9	926.8	886.8	860.4	841.7	838.2
12.5°	1185.1	1157.0	1089.2	1009.9	926.5	846.2	769.3	704.0	656.7	629.2	624.4
15°	1154.2	1114.9	1022.1	920.9	812.5	702.6	593.8	509.0	442.6	418.9	413.4
17.5°	1126.0	1077.0	957.1	828.8	693.6	550.0	426.2	350.8	311.8	300.0	297.2
20°	1097.9	1038.1	891.0	731.8	567.4	406.4	311.5	276.0	261.4	256.9	255.5
22.5°	1067.6	995.3	819.1	636.2	439.8	304.2	254.8	239.2	234.7	235.0	234.7
25°	1037.4	951.9	743.6	532.2	327.5	246.8	222.5	216.6	217.6	220.8	221.5
27.5°	1012.3	913.3	669.6	418.2	255.9	212.4	200.9	200.6	204.4	208.6	209.3
30°	994.3	878.9	596.6	321.6	210.7	188.8	184.3	186.3	190.9	194.0	195.0
32.5°	981.4	849.3	518.7	252.7	184.6	172.1	170.0	172.1	174.9	178.0	178.7
35°	976.9	827.7	442.2	206.2	166.9	159.9	158.5	159.6	161.0	162.7	163.4
37.5°	987.0	817.0	362.2	179.4	156.1	151.9	149.8	149.1	149.5	150.2	150.5
40°	1016.9	821.8	296.9	163.7	149.1	145.3	141.8	140.4	140.1	140.8	140.4
42.5°	1068.3	842.3	249.6	154.7	143.6	138.0	134.2	132.8	132.8	134.5	134.5
45°	1143.8	882.7	215.5	148.1	138.7	131.8	127.6	126.9	128.3	131.1	131.4
47.5°	1254.3	941.8	195.0	143.2	134.2	126.2	122.0	121.7	124.5	129.0	129.3
50°	1385.4	1026.9	183.9	139.8	131.1	121.7	117.5	117.9	121.0	125.8	126.9
52.5°	1543.2	1143.1	184.6	138.4	129.3	118.9	114.7	114.0	117.2	122.0	123.1
55°	1706.3	1284.2	198.2	138.7	126.9	117.5	111.9	109.5	112.3	115.8	116.1
57.5°	1885.6	1443.4	231.9	138.0	123.8	116.1	109.5	103.9	105.7	107.8	108.8
60°	2088.0	1630.8	304.5	139.4	122.4	113.0	104.6	97.3	97.0	98.4	98.7
62.5°	2358.4	1885.6	386.2	141.8	125.5	109.2	97.3	89.7	88.3	89.0	89.3
65°	2565.3	2007.3	360.5	139.8	132.1	106.4	90.4	82.4	79.6	78.9	78.9
67.5°	2481.2	1846.4	251.0	134.2	135.2	106.7	84.8	74.7	71.3	69.5	69.2
70°	2111.3	1499.7	174.5	128.6	131.8	106.0	78.9	68.5	64.0	61.5	61.2
72.5°	1668.0	1145.1	141.1	117.5	119.6	95.6	70.2	61.5	57.7	54.6	54.6
75°	1073.5	698.8	117.9	104.6	97.7	74.4	60.8	54.9	51.1	48.0	48.0
77.5°	361.2	259.3	91.4	88.7	73.0	56.0	51.1	47.3	44.2	41.4	41.0
80°	146.7	123.1	67.1	67.1	51.1	42.8	40.0	38.2	36.2	32.7	32.7
82.5°	85.2	74.7	46.9	40.7	34.1	29.6	27.8	26.1	26.1	23.6	23.6
85°	41.0	41.4	28.2	25.0	19.5	17.0	16.3	15.3	14.9	13.6	13.2
87.5°	22.2	22.6	14.3	11.1	7.6	6.6	5.6	5.2	4.9	4.5	4.5
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)