

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: P629980

Luminaire Tested: GWS-SA1C-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4684 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

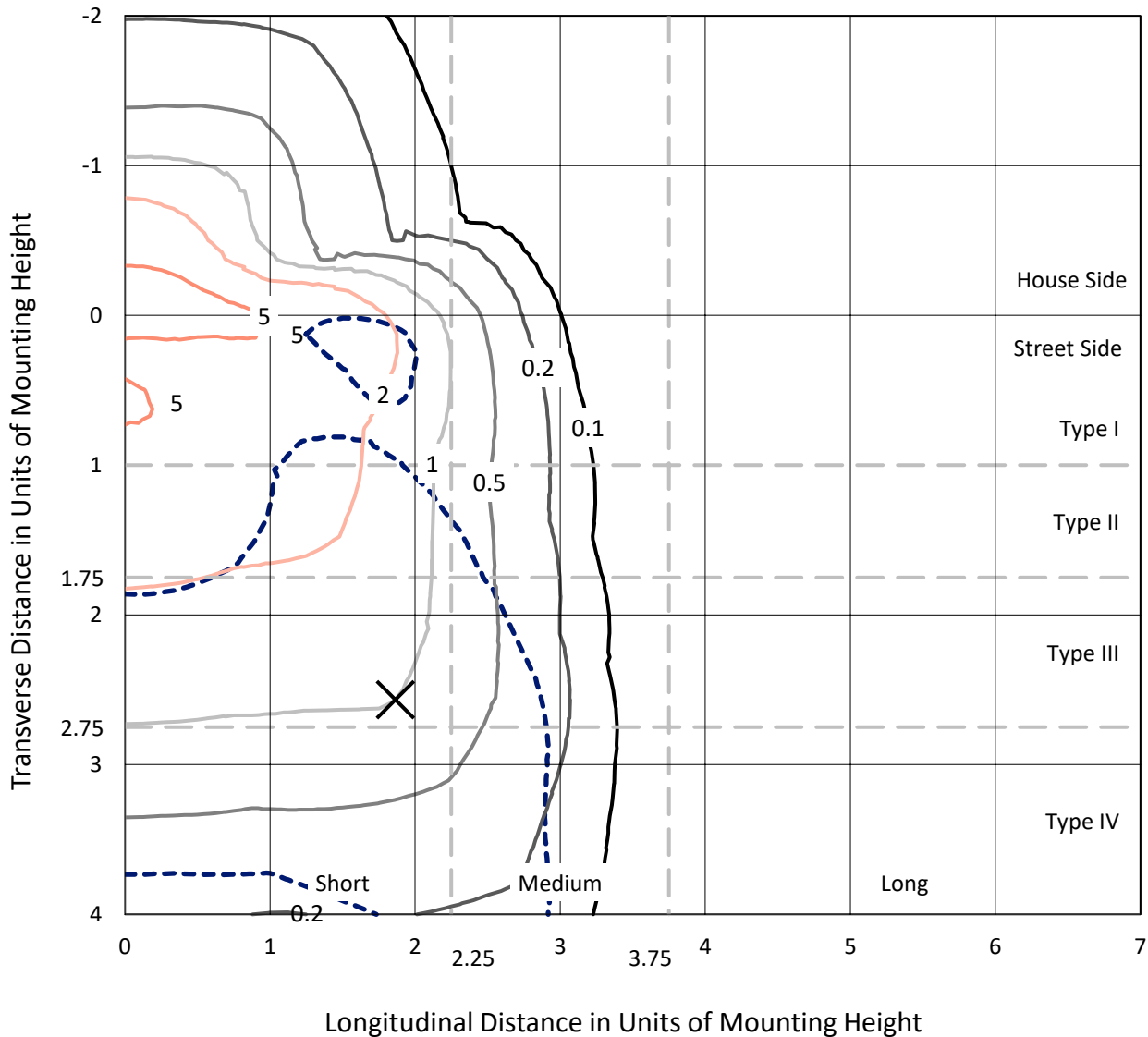
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

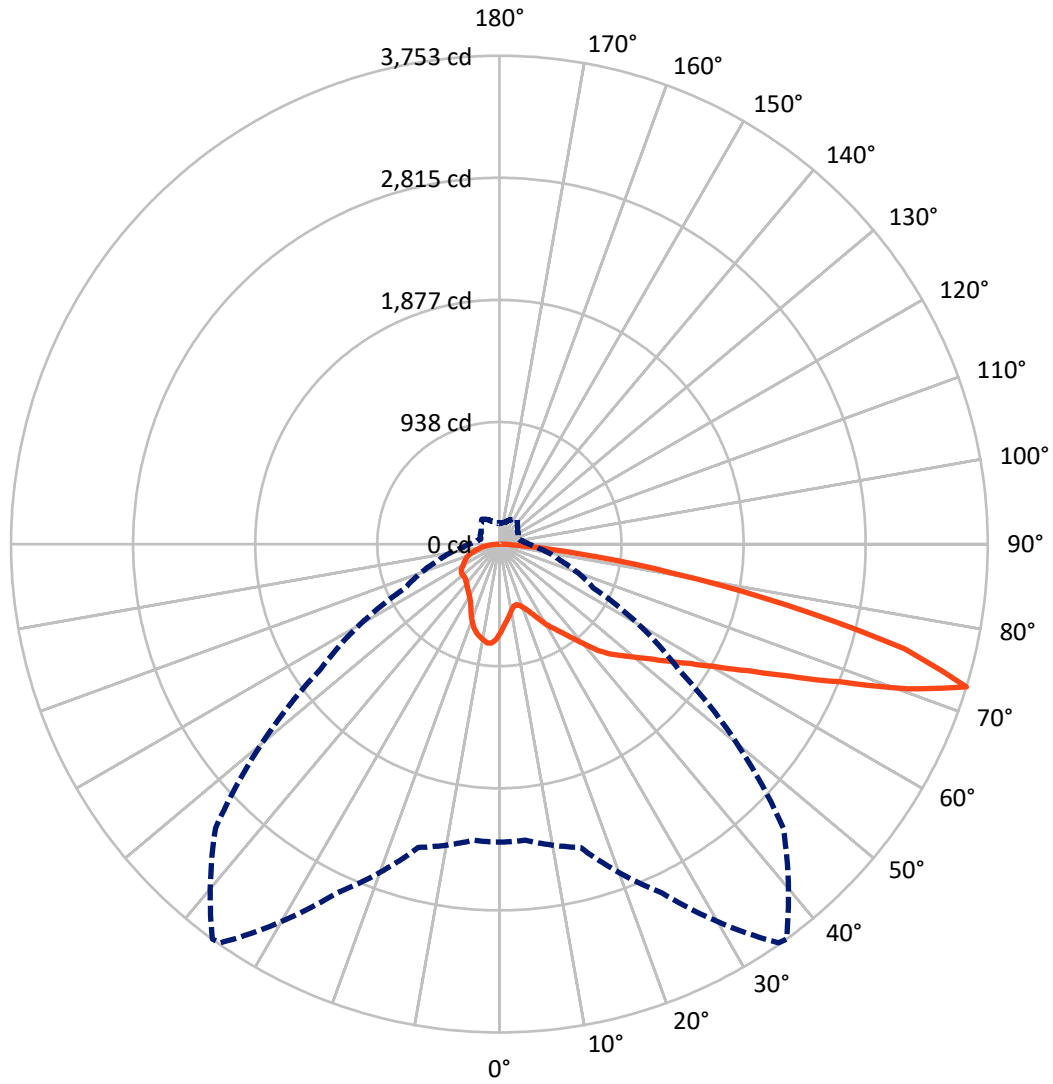
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1079.9	0.0	1079.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	3604.1	0.0	3604.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	4684.0	0.0	4684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.4
10°-20°	180.8	3.9
20°-30°	299.4	6.4
30°-40°	448.4	9.6
40°-50°	654.2	14.0
50°-60°	931.1	19.9
60°-70°	1176.3	25.1
70°-80°	838.2	17.9
80°-90°	91.5	2.0
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°	4684.0	100.0
0°-180°	4684.0	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5
2.5°	625.4	624.3	622.3	628.5	634.8	634.1	642.8	651.1	660.1	669.5	682.0
5°	575.3	574.6	572.9	582.3	591.7	591.3	605.6	619.1	637.6	657.7	682.7
7.5°	525.3	523.5	526.0	537.8	551.0	552.4	571.8	594.1	620.9	651.1	686.6
10°	481.1	480.8	481.8	495.0	514.8	516.2	541.3	572.2	607.7	648.0	695.3
12.5°	469.6	469.0	466.2	472.8	487.7	489.8	517.3	555.2	598.6	649.7	707.1
15°	488.4	486.7	476.9	473.8	481.1	482.9	506.1	545.1	593.4	652.8	722.0
17.5°	520.7	519.7	501.3	488.4	493.3	494.7	512.1	543.3	592.0	659.1	740.4
20°	568.0	563.5	534.7	515.2	515.2	517.3	527.7	551.0	593.8	666.8	761.3
22.5°	630.6	621.6	580.9	554.5	547.5	550.3	554.8	570.1	601.1	679.6	787.4
25°	700.8	692.5	644.2	607.0	597.2	598.3	594.4	597.2	617.0	697.3	819.7
27.5°	775.6	770.0	718.5	671.3	656.0	656.0	642.4	635.8	639.3	717.5	855.9
30°	842.3	834.7	791.2	739.4	719.2	719.2	693.5	679.3	670.9	742.2	904.2
32.5°	877.4	872.9	844.0	804.4	779.7	775.9	753.7	737.0	717.5	778.7	969.5
35°	923.3	922.3	904.9	873.9	842.7	837.1	821.8	808.6	774.9	824.2	1056.4
37.5°	981.0	979.3	976.5	958.1	920.5	919.5	905.9	889.9	846.1	889.9	1161.8
40°	1045.7	1042.5	1039.1	1038.7	1016.1	1012.3	1011.3	993.2	932.0	969.2	1271.6
42.5°	1134.7	1123.9	1091.2	1105.8	1122.5	1119.0	1132.2	1105.1	1039.1	1063.4	1375.6
45°	1244.2	1217.7	1153.1	1157.3	1199.3	1206.3	1252.2	1245.6	1156.9	1172.2	1485.1
47.5°	1309.9	1286.9	1226.8	1223.3	1275.8	1284.5	1384.3	1396.8	1283.8	1303.3	1620.3
50°	1363.7	1347.8	1298.4	1303.3	1358.9	1367.6	1515.3	1542.1	1403.4	1437.4	1777.4
52.5°	1428.8	1405.8	1367.6	1390.5	1458.7	1469.1	1661.0	1689.8	1511.1	1584.8	1940.1
55°	1465.3	1455.9	1456.6	1491.7	1577.2	1591.4	1813.6	1808.7	1609.9	1711.0	2062.5
57.5°	1549.4	1545.9	1577.9	1591.1	1715.5	1734.0	1966.2	1924.5	1699.6	1808.7	2121.2
60°	1697.8	1689.1	1716.9	1737.1	1886.6	1912.7	2136.5	2037.8	1760.4	1881.4	2101.4
62.5°	1906.4	1895.6	1896.7	1928.6	2115.7	2143.1	2326.0	2132.4	1779.2	1892.5	1975.9
65°	2165.7	2150.1	2132.4	2175.8	2419.8	2442.8	2532.1	2201.2	1734.3	1785.4	1713.8
67.5°	2439.3	2426.5	2405.6	2496.7	2813.7	2827.6	2763.3	2195.3	1592.1	1499.0	1202.1
70°	2455.3	2458.4	2557.2	2886.7	3327.9	3331.3	2982.0	2076.4	1289.4	971.6	599.0
72.5°	2290.5	2285.3	2413.9	2958.0	3741.5	3753.4	3085.2	1682.2	796.8	484.6	280.9
75°	1860.5	1869.5	2004.8	2588.1	3206.9	3217.3	2515.1	991.8	378.6	237.1	179.7
77.5°	800.9	851.3	1118.0	1823.3	2296.8	2264.5	1296.3	401.9	202.0	168.9	137.7
80°	231.2	251.0	398.4	867.0	1376.3	1351.9	513.1	150.5	140.8	126.9	98.7
82.5°	74.7	82.7	146.0	345.2	616.7	616.0	194.7	89.0	92.1	86.2	63.6
85°	20.9	24.0	44.8	104.6	190.8	187.0	56.3	42.1	49.0	49.7	31.6
87.5°	0.0	0.0	0.3	0.7	0.7	0.7	1.4	6.3	14.3	18.1	12.9
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°	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5	685.5
2.5°	689.7	688.7	702.9	714.0	724.5	731.4	733.5	734.9	737.7	739.1	737.7
5°	694.6	699.8	723.4	740.8	754.7	763.0	763.4	762.7	764.8	763.0	762.0
7.5°	705.0	715.1	745.0	763.4	772.4	772.8	764.4	754.7	749.8	745.7	744.3
10°	718.9	733.8	766.5	778.7	775.9	763.0	744.6	729.3	720.6	714.4	713.0
12.5°	738.0	754.7	785.6	785.3	767.9	745.0	723.4	705.0	692.5	685.2	682.7
15°	756.1	777.3	799.5	783.2	755.7	727.9	700.1	675.4	658.8	647.3	645.2
17.5°	778.3	800.9	809.6	776.6	740.4	704.6	667.4	635.1	612.5	599.0	597.9
20°	804.1	824.2	814.5	765.1	720.6	673.7	623.3	587.1	562.8	549.6	550.6
22.5°	834.0	848.6	815.9	749.5	693.2	629.9	573.6	538.8	522.5	515.5	515.9
25°	865.9	875.3	813.5	728.3	651.1	576.4	522.5	506.5	505.1	503.4	504.1
27.5°	903.8	901.7	806.2	698.4	594.4	514.1	486.7	490.9	496.4	495.7	496.4
30°	954.6	934.8	796.8	657.0	527.0	462.0	465.5	477.3	484.6	485.3	487.4
32.5°	1012.6	971.3	781.8	600.7	462.7	432.8	445.7	459.9	468.6	470.3	473.1
35°	1081.8	1013.0	755.4	530.5	416.5	415.4	427.2	437.0	446.4	447.1	447.1
37.5°	1161.4	1054.7	713.3	453.0	388.0	400.5	411.6	413.7	416.1	414.0	415.1
40°	1234.4	1095.0	653.5	382.4	364.7	387.3	396.6	389.7	382.0	376.8	377.9
42.5°	1295.6	1122.5	574.3	333.0	341.0	375.4	382.7	368.5	353.5	343.8	345.2
45°	1364.4	1147.9	481.1	299.7	320.9	367.1	372.0	353.5	334.4	319.8	317.7
47.5°	1459.3	1199.7	398.4	276.4	306.6	362.6	370.6	345.5	320.5	298.6	296.2
50°	1576.5	1273.0	329.2	261.1	300.0	360.1	370.2	336.9	307.0	281.2	279.5
52.5°	1704.4	1344.6	278.1	249.2	293.4	352.8	368.5	327.1	292.7	264.9	262.8
55°	1789.6	1372.8	243.7	238.1	282.6	341.4	361.5	317.7	271.2	245.8	242.6
57.5°	1814.6	1336.6	219.7	228.0	268.7	325.4	348.3	297.9	257.9	237.8	235.3
60°	1771.5	1245.6	204.8	219.7	253.4	304.9	325.4	286.4	247.5	229.4	227.7
62.5°	1649.8	1105.1	193.3	211.0	237.8	283.3	310.8	272.5	236.0	221.8	219.4
65°	1405.1	906.3	183.9	202.0	222.8	262.8	294.8	258.6	223.5	212.7	210.0
67.5°	982.7	636.5	173.8	191.2	207.9	243.0	278.1	245.8	210.7	202.7	199.9
70°	480.4	337.5	161.6	178.7	191.9	222.8	261.4	230.1	193.6	189.1	185.3
72.5°	228.7	188.8	147.4	161.6	170.0	196.1	233.6	207.5	173.5	163.7	157.1
75°	153.3	134.2	128.6	141.5	143.6	164.4	200.2	179.0	153.0	141.8	136.3
77.5°	116.1	102.6	108.1	119.6	115.4	135.2	164.8	159.6	138.0	127.9	125.1
80°	81.7	74.7	85.9	92.8	89.7	115.1	148.4	136.6	113.7	102.6	100.5
82.5°	51.4	50.1	63.3	64.3	65.4	91.1	122.0	107.4	88.3	72.7	67.4
85°	25.7	28.5	37.9	37.9	37.5	46.9	69.5	60.5	47.6	37.9	36.8
87.5°	8.7	12.2	16.3	13.2	10.1	8.0	9.0	11.1	11.8	11.5	11.5
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)