

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: P631310

Luminaire Tested: GWS-SA1F-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7115.2 lumens
Efficiency: N/A
Efficacy: 105.9 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

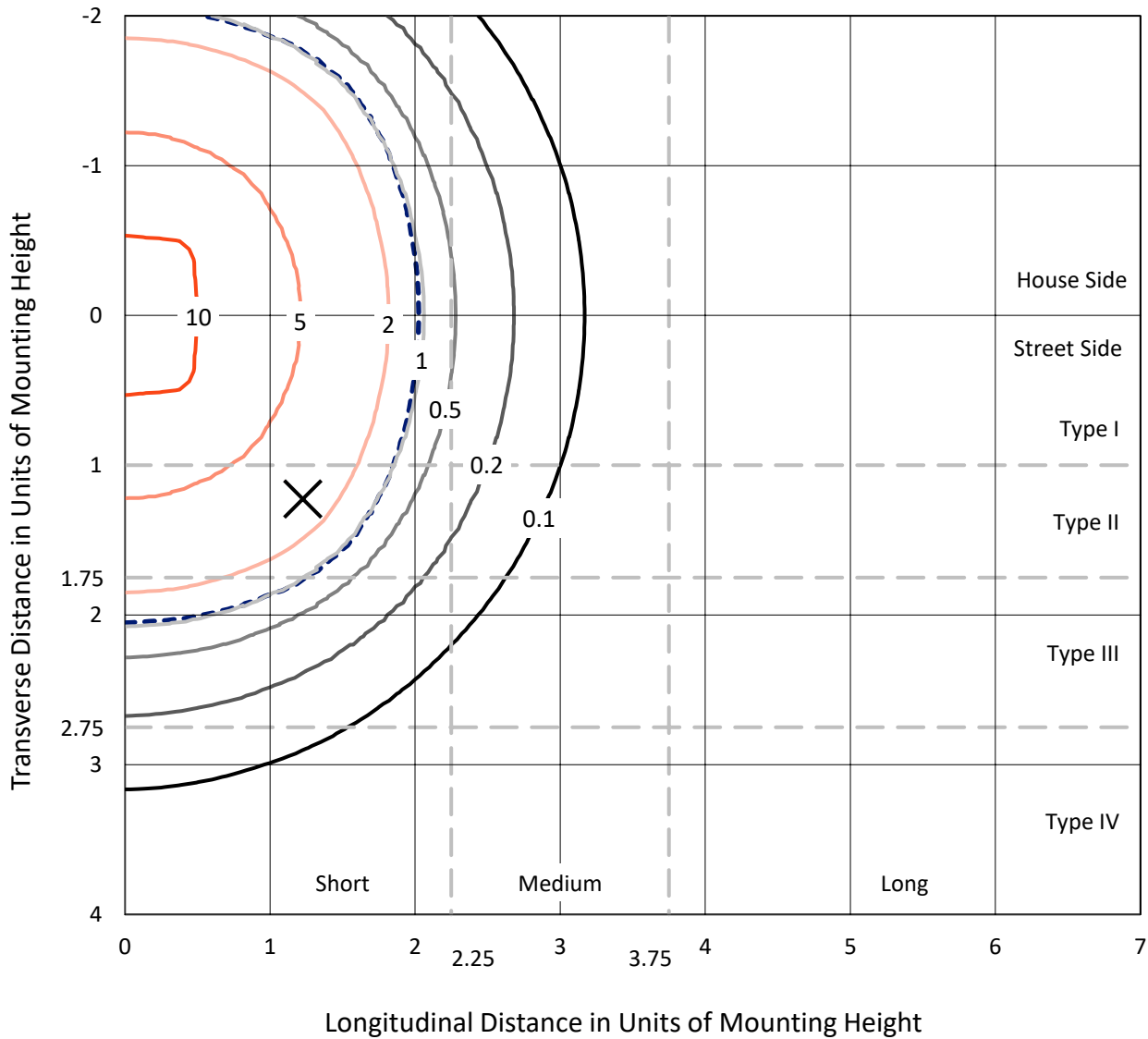
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631310
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Iso-Footcandle Lines of Horizontal Illumination

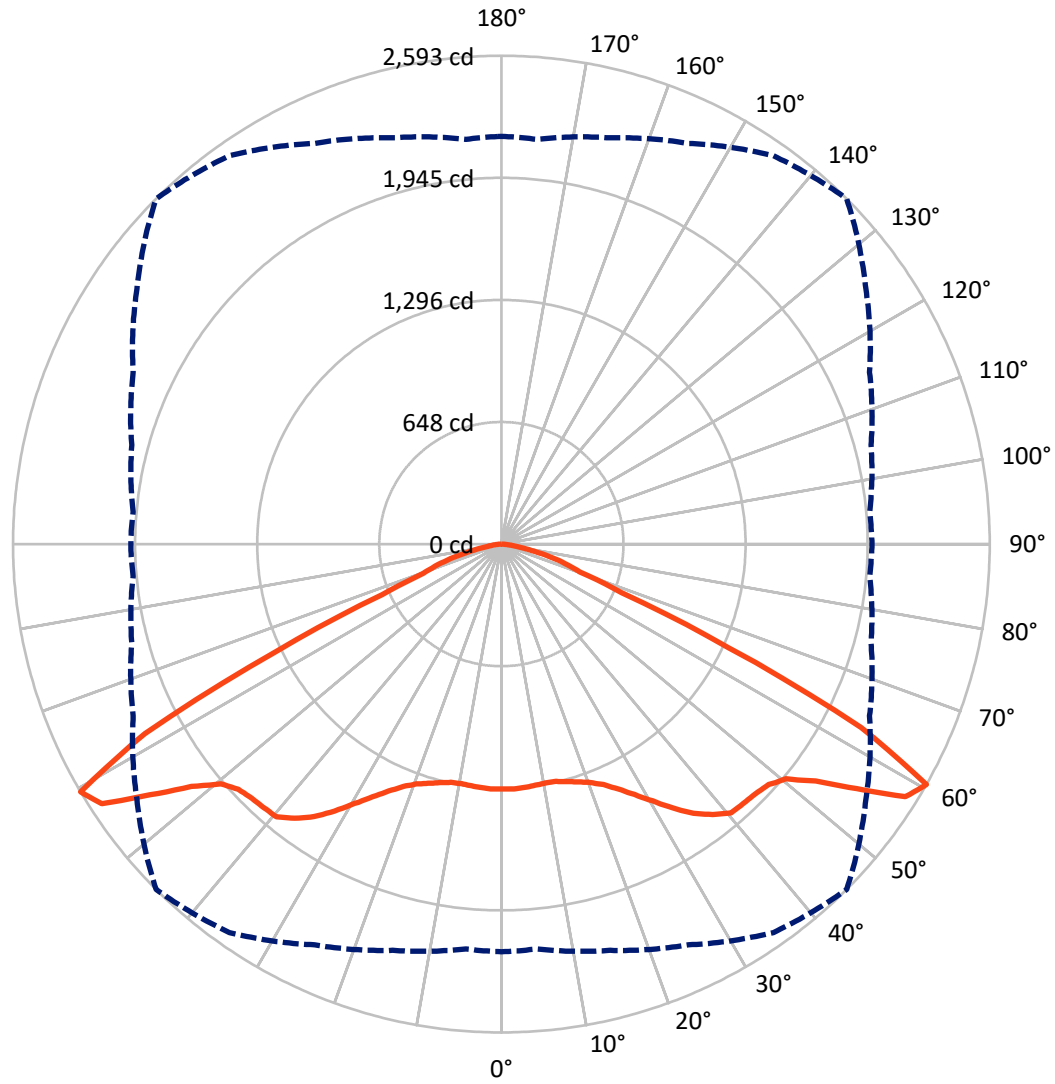
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type V - Short - N/A

REPORT NUMBER: P631310
CATALOG NUMBER: GWS-SA1F-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3557.6	0.0	3557.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3557.6	0.0	3557.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7115.2	0.0	7115.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	1.7
10°-20°	370.9	5.2
20°-30°	656.2	9.2
30°-40°	1056.5	14.8
40°-50°	1452.1	20.4
50°-60°	1935.1	27.2
60°-70°	1206.1	17.0
70°-80°	277.3	3.9
80°-90°	37.6	0.5
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°	7115.2	100.0
0°-180°	7115.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631310

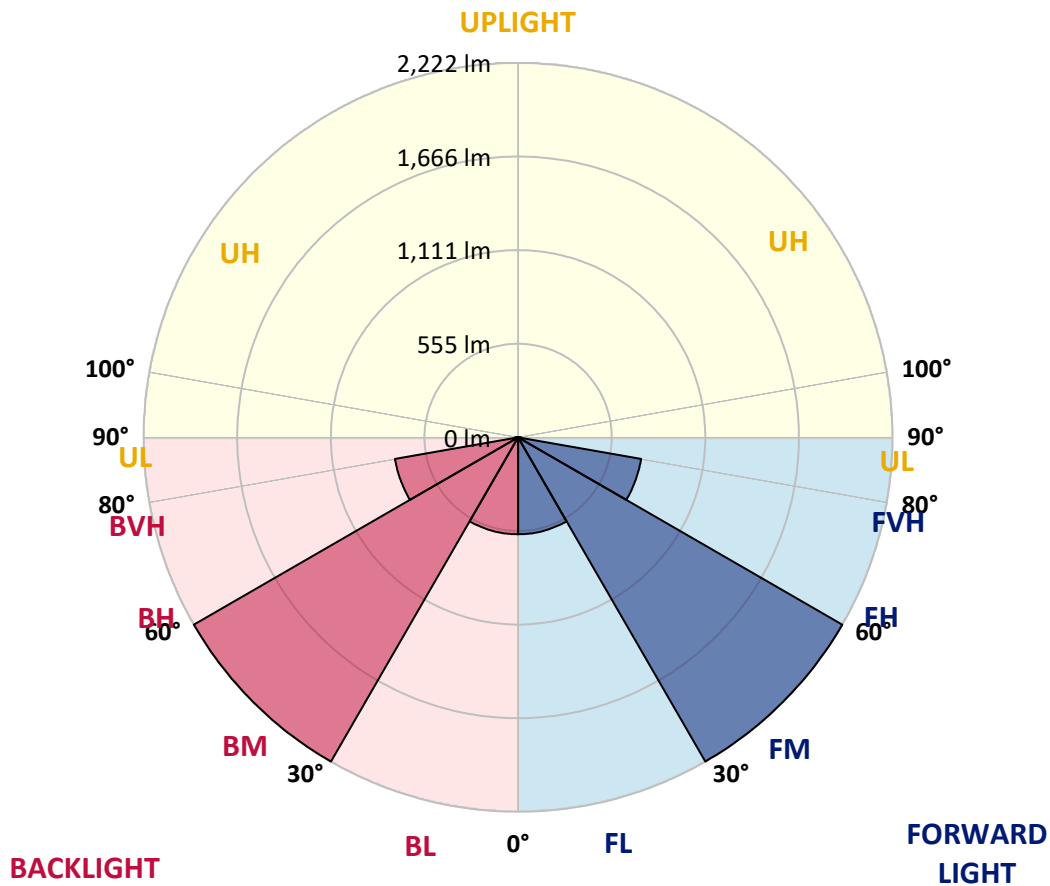
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.2	8.1			
FM (30°-60°)	2221.9	31.2			
FH (60°-80°)	741.7	10.4			G1/1800
FVH (80°-90°)	18.8	0.3			G1/100
BL (0°-30°)	575.2	8.1	B2/1000		
BM (30°-60°)	2221.9	31.2	B2/2500		
BH (60°-80°)	741.7	10.4	B2/1000		G1/1800
BVH (80°-90°)	18.8	0.3			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





REPORT NUMBER: P631310

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3	1300.3
2.5°	1291.2	1292.4	1294.9	1296.7	1299.1	1301.5	1302.7	1300.3	1299.1	1294.3	1299.7
5°	1292.4	1293.6	1295.5	1295.5	1296.1	1297.9	1297.9	1294.9	1291.8	1286.4	1292.4
7.5°	1290.6	1291.8	1292.4	1291.8	1292.4	1293.0	1291.8	1288.2	1285.2	1280.4	1285.2
10°	1287.6	1288.8	1290.0	1288.8	1287.6	1289.4	1289.4	1287.0	1285.2	1280.4	1285.8
12.5°	1294.3	1296.1	1296.7	1293.6	1292.4	1293.0	1293.0	1290.6	1290.6	1286.4	1292.4
15°	1310.0	1311.2	1309.4	1305.7	1306.3	1308.1	1303.9	1297.9	1296.7	1294.9	1299.7
17.5°	1322.0	1323.2	1321.4	1319.0	1323.2	1327.5	1319.6	1308.1	1304.5	1303.3	1308.7
20°	1335.3	1337.1	1334.7	1337.7	1346.2	1351.0	1341.4	1325.7	1318.4	1316.6	1323.2
22.5°	1357.1	1359.5	1359.5	1366.1	1378.8	1386.7	1374.6	1353.4	1342.6	1339.5	1346.2
25°	1391.5	1393.3	1395.1	1408.4	1428.9	1439.8	1420.5	1391.5	1376.4	1371.6	1375.2
27.5°	1439.2	1442.2	1445.2	1464.6	1489.9	1505.6	1477.9	1441.6	1422.9	1413.2	1420.5
30°	1496.0	1500.2	1507.4	1529.2	1564.8	1582.3	1546.7	1502.6	1481.5	1471.2	1480.9
32.5°	1573.3	1573.9	1579.3	1603.5	1650.6	1670.5	1625.8	1576.9	1555.2	1543.1	1548.5
35°	1665.1	1665.7	1657.2	1682.0	1732.7	1755.1	1702.5	1653.0	1634.9	1631.3	1645.1
37.5°	1759.3	1753.9	1745.4	1756.3	1807.6	1822.1	1766.5	1724.3	1716.4	1723.1	1743.6
40°	1826.3	1817.3	1800.4	1808.2	1860.1	1877.1	1817.9	1778.0	1775.6	1791.9	1816.7
42.5°	1869.8	1860.1	1840.2	1840.2	1875.9	1883.1	1837.2	1816.1	1821.5	1840.2	1863.8
45°	1891.0	1885.5	1874.0	1868.0	1887.9	1891.0	1855.9	1847.5	1857.7	1866.8	1884.9
47.5°	1907.3	1907.3	1903.6	1897.6	1906.7	1908.5	1882.5	1880.1	1893.4	1893.4	1905.4
50°	1936.2	1939.3	1944.1	1942.9	1952.6	1958.6	1939.3	1935.6	1941.1	1923.6	1929.6
52.5°	2012.3	2020.2	2034.1	2045.0	2069.7	2088.4	2054.0	2025.0	1996.6	1958.0	1959.2
55°	2148.8	2152.5	2179.6	2211.6	2253.3	2291.4	2220.7	2130.7	2069.1	2023.8	2024.4
57.5°	2264.2	2269.6	2309.5	2376.5	2470.1	2529.3	2372.9	2222.5	2135.5	2080.0	2081.8
60°	2164.5	2157.3	2232.8	2347.5	2517.2	2592.7	2362.0	2156.7	2031.7	1962.8	1967.7
62.5°	1674.7	1660.8	1744.8	1865.0	2068.5	2144.0	1931.4	1734.5	1616.2	1562.4	1554.6
65°	1019.5	1006.8	1067.2	1140.9	1278.6	1326.3	1229.0	1124.5	1021.3	988.7	979.6
67.5°	555.0	553.2	569.5	605.8	666.2	688.5	669.8	620.3	593.7	570.7	570.7
70°	440.3	436.7	433.6	434.2	439.7	442.7	443.3	440.9	443.9	444.5	442.1
72.5°	364.8	363.6	357.5	358.1	355.7	354.5	358.7	361.2	366.0	366.6	366.6
75°	264.5	261.5	264.5	265.1	262.7	262.7	265.7	265.1	267.5	268.8	262.1
77.5°	150.4	150.4	154.6	159.4	163.1	163.1	166.1	166.1	169.1	168.5	167.3
80°	82.7	82.7	85.2	88.2	91.8	95.4	98.4	99.0	100.9	100.3	98.4
82.5°	47.1	47.7	48.9	50.7	54.4	57.4	60.4	61.0	62.8	62.8	61.0
85°	22.3	21.7	22.3	23.6	25.4	27.8	30.8	32.6	33.8	33.8	32.6
87.5°	4.2	4.8	4.2	4.8	5.4	7.2	8.5	9.7	11.5	12.1	10.9
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)