

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: P631304

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 7376.7 lumens
Efficiency: N/A
Efficacy: 109.8 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

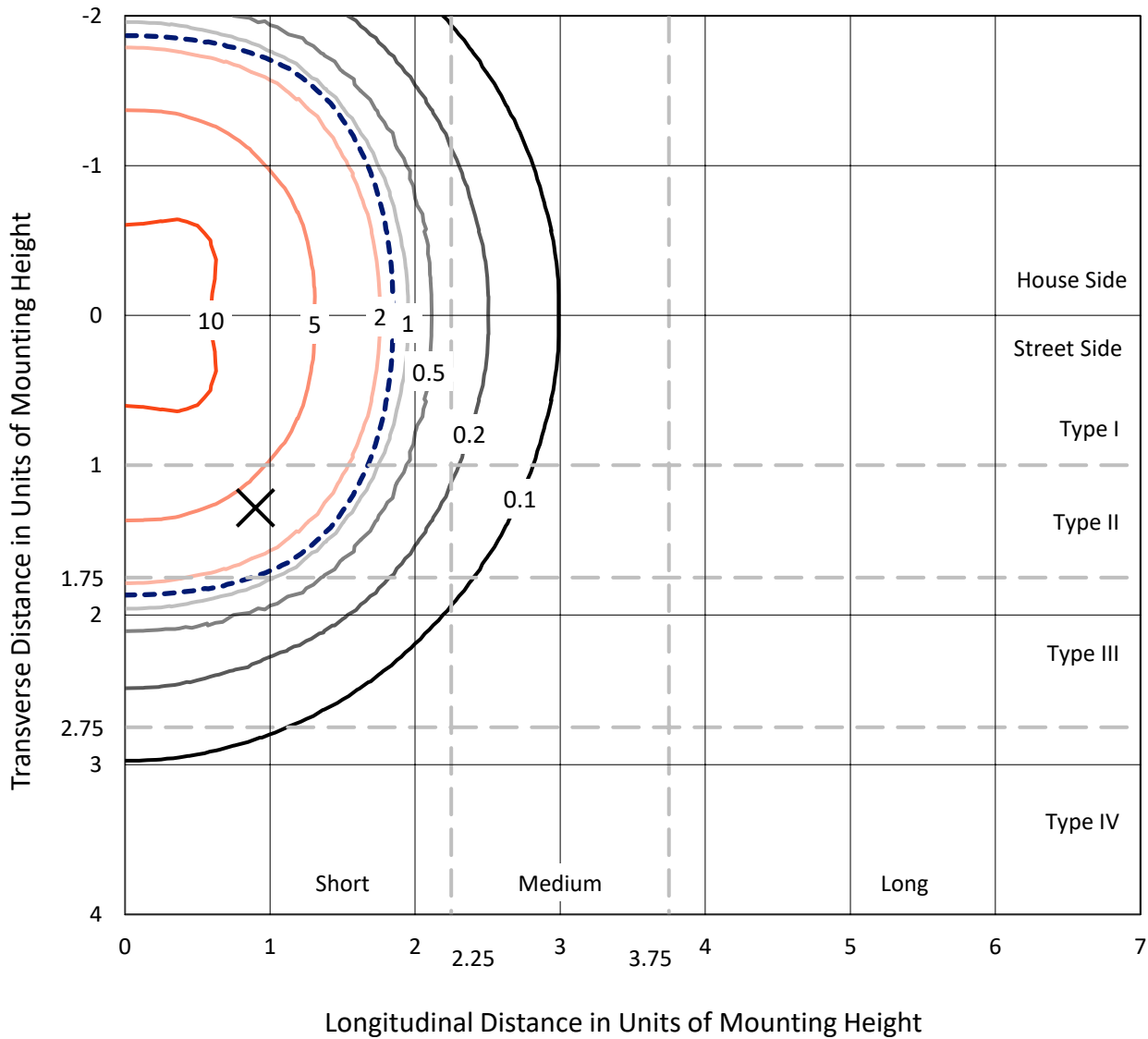
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631304
 CATALOG NUMBER: GWS-SA1F-740-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

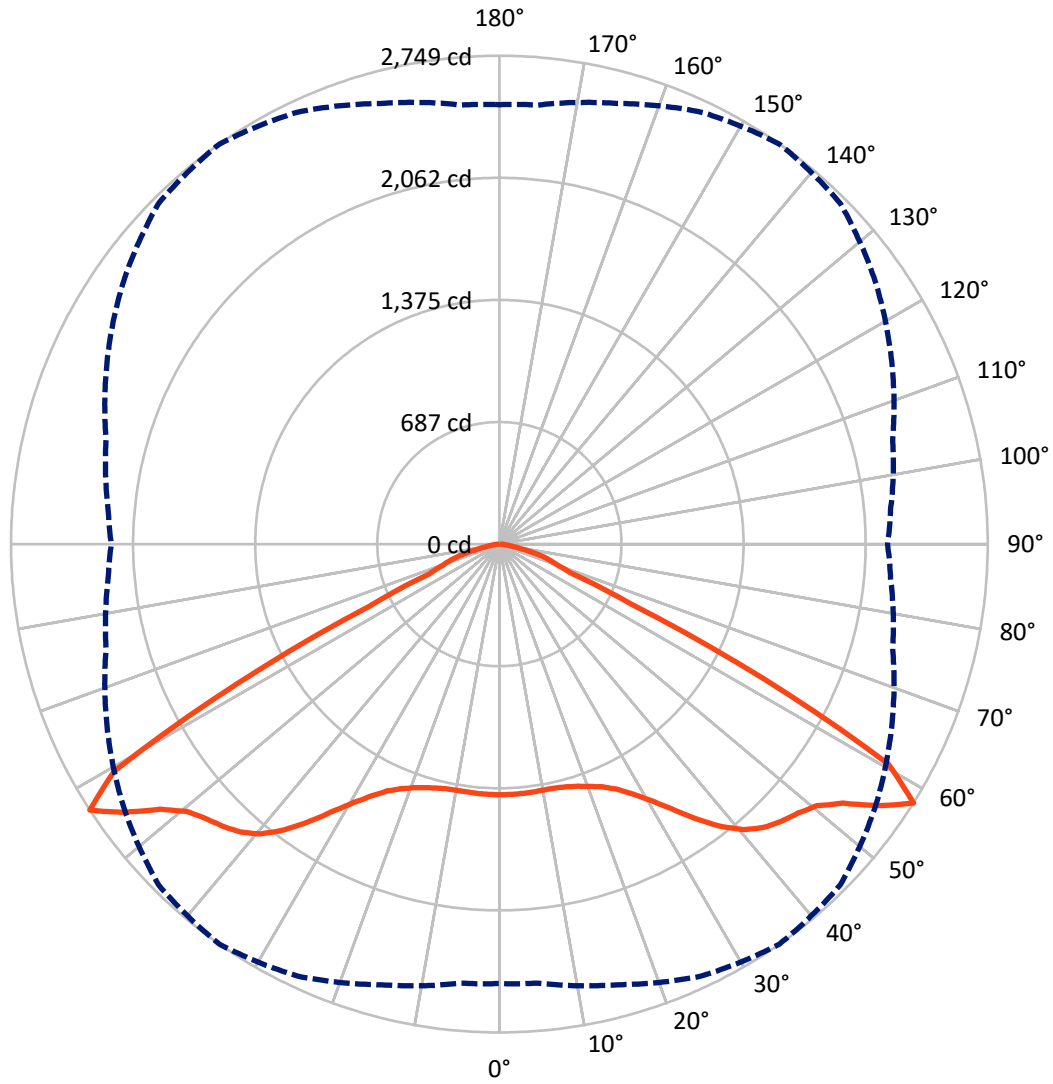
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type V - Short - N/A

REPORT NUMBER: P631304
CATALOG NUMBER: GWS-SA1F-740-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P631304

CATALOG NUMBER: GWS-SA1F-740-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3688.4	0.0	3688.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3688.4	0.0	3688.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7376.7	0.0	7376.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	1.8
10°-20°	400.6	5.4
20°-30°	699.0	9.5
30°-40°	1146.2	15.5
40°-50°	1688.1	22.9
50°-60°	2154.3	29.2
60°-70°	907.9	12.3
70°-80°	216.9	2.9
80°-90°	29.5	0.4
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°	7376.7	100.0
0°-180°	7376.7	100.0

Coefficient of Utilization



REPORT NUMBER: P631304

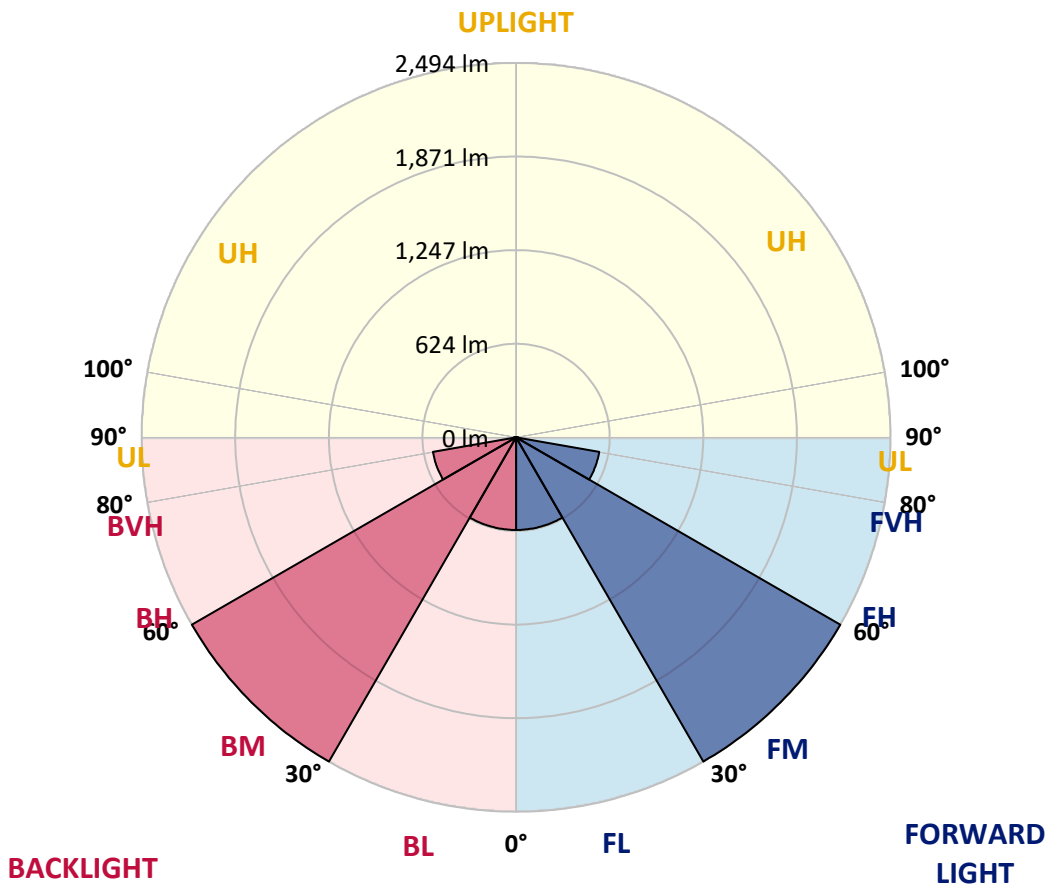
CATALOG NUMBER: GWS-SA1F-740-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.9	8.4			
FM (30°-60°)	2494.3	33.8			
FH (60°-80°)	562.4	7.6			G0/660
FVH (80°-90°)	14.8	0.2			G1/100
BL (0°-30°)	616.9	8.4	B2/1000		
BM (30°-60°)	2494.3	33.8	B2/2500		
BH (60°-80°)	562.4	7.6	B2/1000		G0/660
BVH (80°-90°)	14.8	0.2			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: P631304

CATALOG NUMBER: GWS-SA1F-740-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4	1411.4
2.5°	1403.0	1403.0	1406.0	1409.0	1410.2	1415.7	1415.1	1413.3	1412.1	1408.4	1413.3
5°	1406.0	1406.0	1408.4	1410.2	1409.6	1413.9	1412.1	1409.0	1407.2	1403.6	1409.0
7.5°	1405.4	1405.4	1407.2	1409.0	1407.8	1411.4	1408.4	1404.2	1401.2	1397.6	1402.4
10°	1397.6	1398.8	1400.6	1404.8	1406.6	1412.1	1407.8	1401.2	1396.3	1392.1	1397.0
12.5°	1396.3	1397.6	1400.0	1405.4	1408.4	1416.3	1410.8	1400.0	1392.7	1387.3	1392.1
15°	1401.8	1403.0	1406.6	1413.3	1418.1	1426.5	1418.7	1403.6	1393.3	1386.1	1390.3
17.5°	1408.4	1410.2	1415.7	1425.3	1433.2	1442.2	1432.6	1414.5	1400.0	1390.3	1393.9
20°	1415.7	1418.1	1426.5	1441.0	1455.5	1467.0	1454.9	1430.8	1413.3	1400.6	1404.2
22.5°	1428.4	1431.4	1442.2	1462.8	1484.5	1501.4	1486.3	1453.7	1430.8	1414.5	1417.5
25°	1454.3	1458.0	1471.8	1496.6	1527.4	1547.9	1526.8	1490.0	1458.0	1438.0	1441.0
27.5°	1500.2	1502.0	1520.2	1552.8	1590.8	1614.4	1589.0	1545.5	1509.9	1486.9	1489.4
30°	1560.6	1566.1	1584.2	1627.1	1672.4	1703.8	1670.5	1619.2	1578.1	1550.4	1552.8
32.5°	1634.3	1637.9	1665.1	1709.8	1775.0	1811.3	1766.0	1705.0	1655.4	1621.6	1624.0
35°	1730.9	1734.0	1759.9	1816.7	1895.8	1929.6	1877.7	1807.6	1750.3	1718.3	1727.3
37.5°	1846.3	1851.7	1870.5	1926.6	2014.8	2048.0	1988.2	1923.0	1863.2	1833.6	1840.3
40°	1970.1	1969.5	1984.6	2034.1	2114.5	2135.0	2081.2	2029.3	1978.0	1958.6	1969.5
42.5°	2076.4	2073.4	2084.3	2125.3	2180.9	2182.7	2147.1	2118.1	2081.8	2068.6	2078.8
45°	2150.7	2151.9	2168.2	2196.6	2225.0	2209.9	2199.0	2194.2	2165.8	2147.7	2149.5
47.5°	2209.3	2214.1	2240.1	2259.4	2263.0	2237.7	2252.8	2260.0	2236.5	2208.7	2200.8
50°	2261.2	2269.1	2302.9	2323.4	2315.6	2283.6	2313.2	2324.0	2272.1	2218.9	2203.2
52.5°	2355.4	2364.5	2405.6	2432.1	2423.1	2391.1	2418.8	2380.2	2292.6	2227.4	2207.5
55°	2505.8	2510.0	2560.2	2603.7	2599.4	2560.2	2537.8	2452.1	2345.8	2278.1	2259.4
57.5°	2473.8	2481.1	2568.0	2684.0	2749.2	2713.6	2582.5	2436.4	2292.0	2210.5	2185.1
60°	1946.6	1964.1	2072.2	2276.3	2515.5	2514.9	2271.5	2044.4	1870.5	1762.3	1751.5
62.5°	1136.6	1148.7	1247.2	1453.7	1668.1	1681.4	1510.5	1354.7	1202.5	1129.4	1094.4
65°	538.1	537.5	576.8	669.8	814.7	826.2	774.9	689.7	599.7	575.0	568.3
67.5°	397.4	397.4	394.4	401.0	428.8	434.8	428.8	414.9	406.5	411.9	408.3
70°	344.9	345.5	341.8	340.0	340.0	338.2	340.6	346.1	349.7	356.9	353.3
72.5°	279.6	280.2	280.2	280.8	281.4	279.0	282.7	285.7	286.3	288.7	286.3
75°	198.7	199.9	203.5	206.6	209.0	209.0	210.2	210.8	208.4	211.4	206.6
77.5°	109.3	110.5	117.2	122.6	128.0	128.6	130.5	131.7	130.5	132.9	129.2
80°	60.4	61.6	64.6	67.0	71.3	74.9	77.3	78.5	78.5	80.3	78.5
82.5°	34.4	35.6	37.4	38.7	42.3	45.3	47.7	49.5	49.5	50.1	48.9
85°	16.3	16.3	17.5	18.7	20.5	21.7	24.8	26.6	26.6	27.8	26.6
87.5°	2.4	3.0	3.6	3.6	4.8	6.0	7.2	7.9	9.1	9.7	9.7
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)