

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: P631414

Luminaire Tested: GWS-SA1F-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631414
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7442.4 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

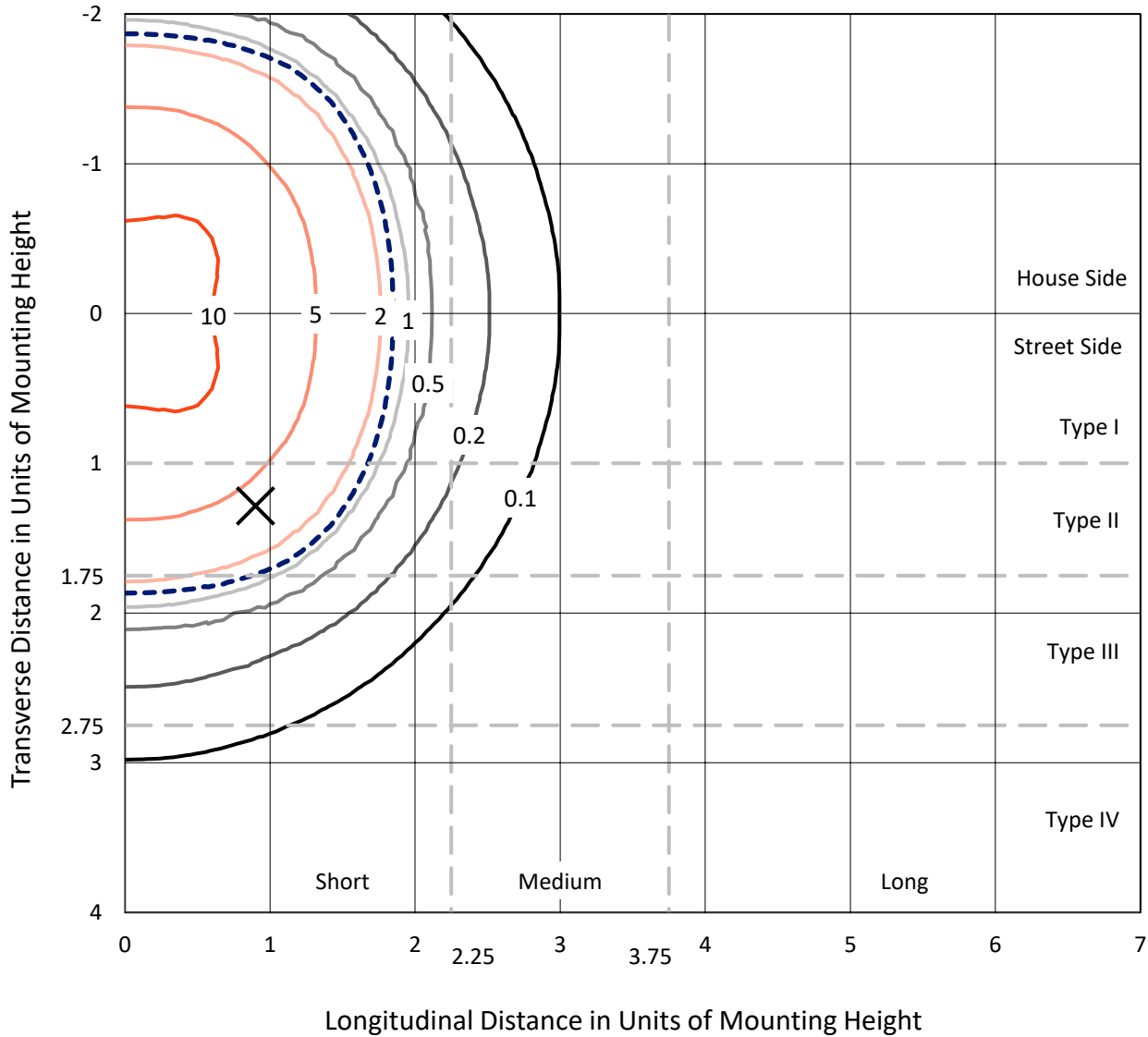
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631414
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Iso-Footcandle Lines of Horizontal Illumination

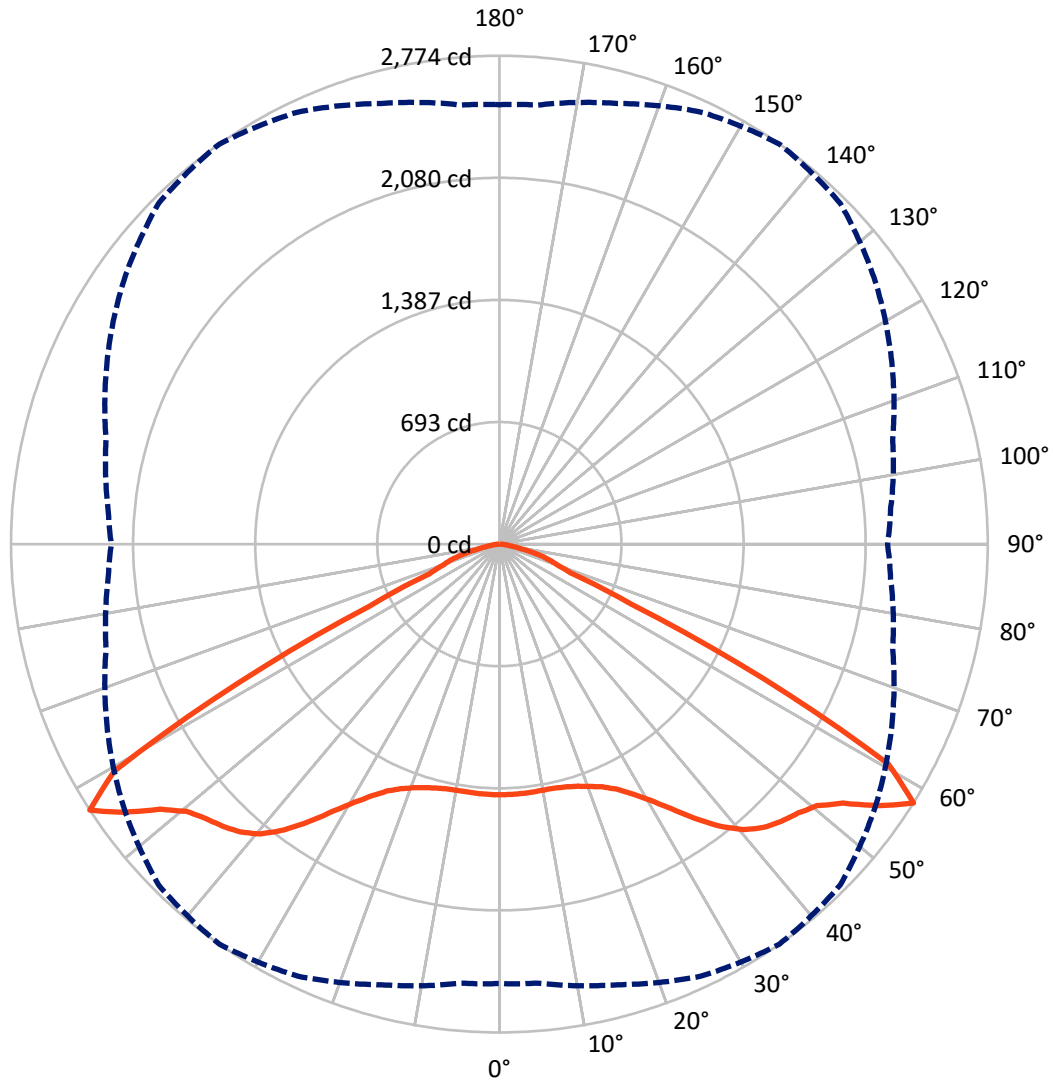
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type V - Short - N/A

REPORT NUMBER: P631414
CATALOG NUMBER: GWS-SA1F-760-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1F-760-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3721.2	0.0	3721.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3721.2	0.0	3721.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7442.4	0.0	7442.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	1.8
10°-20°	404.2	5.4
20°-30°	705.2	9.5
30°-40°	1156.4	15.5
40°-50°	1703.1	22.9
50°-60°	2173.5	29.2
60°-70°	916.0	12.3
70°-80°	218.8	2.9
80°-90°	29.8	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°	7442.4	100.0
0°-180°	7442.4	100.0

Coefficient of Utilization



REPORT NUMBER: P631414

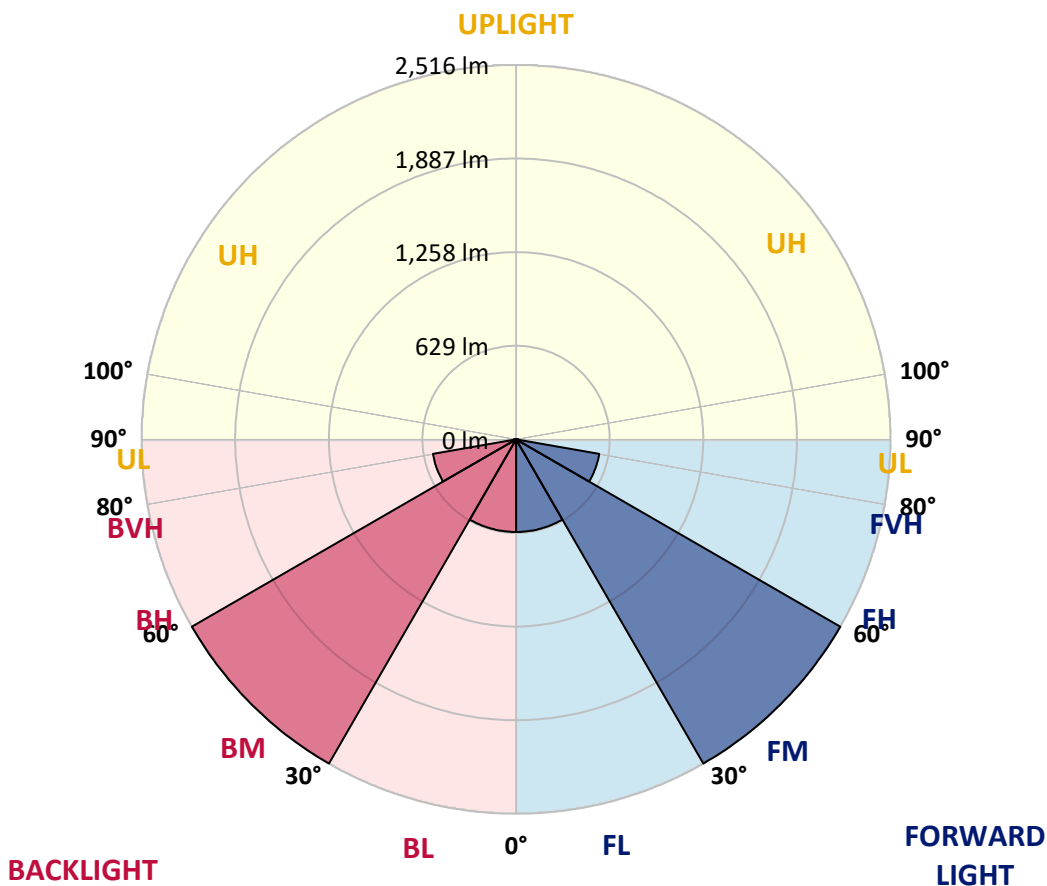
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.4	8.4			
FM (30°-60°)	2516.5	33.8			
FH (60°-80°)	567.4	7.6			G0/660
FVH (80°-90°)	14.9	0.2			G1/100
BL (0°-30°)	622.4	8.4	B2/1000		
BM (30°-60°)	2516.5	33.8	B3/5000		
BH (60°-80°)	567.4	7.6	B2/1000		G0/660
BVH (80°-90°)	14.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P631414

CATALOG NUMBER: GWS-SA1F-760-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1415.5	1415.5	1418.5	1421.6	1422.8	1428.3	1427.7	1425.8	1424.6	1421.0	1425.8
5°	1418.5	1418.5	1421.0	1422.8	1422.2	1426.5	1424.6	1421.6	1419.8	1416.1	1421.6
7.5°	1417.9	1417.9	1419.8	1421.6	1420.4	1424.0	1421.0	1416.7	1413.7	1410.0	1414.9
10°	1410.0	1411.2	1413.1	1417.3	1419.1	1424.6	1420.4	1413.7	1408.8	1404.5	1409.4
12.5°	1408.8	1410.0	1412.4	1417.9	1421.0	1428.9	1423.4	1412.4	1405.1	1399.6	1404.5
15°	1414.3	1415.5	1419.1	1425.8	1430.7	1439.3	1431.3	1416.1	1405.7	1398.4	1402.7
17.5°	1421.0	1422.8	1428.3	1438.0	1446.0	1455.1	1445.3	1427.1	1412.4	1402.7	1406.3
20°	1428.3	1430.7	1439.3	1453.9	1468.5	1480.1	1467.9	1443.5	1425.8	1413.1	1416.7
22.5°	1441.1	1444.1	1455.1	1475.8	1497.7	1514.8	1499.6	1466.7	1443.5	1427.1	1430.1
25°	1467.3	1470.9	1485.0	1509.9	1541.0	1561.7	1540.4	1503.2	1470.9	1450.8	1453.9
27.5°	1513.6	1515.4	1533.7	1566.6	1605.0	1628.8	1603.2	1559.3	1523.3	1500.2	1502.6
30°	1574.5	1580.0	1598.3	1641.6	1687.3	1718.9	1685.4	1633.6	1592.2	1564.2	1566.6
32.5°	1648.9	1652.5	1679.9	1725.0	1790.8	1827.4	1781.7	1720.2	1670.2	1636.1	1638.5
35°	1746.4	1749.4	1775.6	1832.9	1912.7	1946.8	1894.4	1823.7	1765.9	1733.6	1742.7
37.5°	1862.7	1868.2	1887.1	1943.8	2032.7	2066.3	2005.9	1940.1	1879.8	1849.9	1856.6
40°	1987.7	1987.0	2002.3	2052.2	2133.3	2154.0	2099.8	2047.4	1995.6	1976.1	1987.0
42.5°	2094.9	2091.9	2102.8	2144.3	2200.3	2202.1	2166.2	2136.9	2100.4	2087.0	2097.3
45°	2169.8	2171.1	2187.5	2216.2	2244.8	2229.6	2218.6	2213.7	2185.1	2166.8	2168.6
47.5°	2229.0	2233.8	2260.0	2279.5	2283.2	2257.6	2272.8	2280.1	2256.4	2228.3	2220.4
50°	2281.4	2289.3	2323.4	2344.1	2336.2	2303.9	2333.8	2344.7	2292.3	2238.7	2222.9
52.5°	2376.4	2385.6	2427.0	2453.8	2444.7	2412.4	2440.4	2401.4	2313.0	2247.2	2227.1
55°	2528.1	2532.4	2583.0	2626.8	2622.6	2583.0	2560.4	2473.9	2366.7	2298.4	2279.5
57.5°	2495.8	2503.2	2590.9	2707.9	2773.7	2737.7	2605.5	2458.1	2312.4	2230.2	2204.6
60°	1963.9	1981.6	2090.6	2296.6	2537.9	2537.3	2291.7	2062.6	1887.1	1778.0	1767.1
62.5°	1146.8	1159.0	1258.3	1466.7	1683.0	1696.4	1523.9	1366.7	1213.2	1139.5	1104.1
65°	542.9	542.3	581.9	675.8	822.0	833.6	781.8	695.9	605.1	580.1	573.4
67.5°	400.9	400.9	397.9	404.6	432.6	438.7	432.6	418.6	410.1	415.6	411.9
70°	347.9	348.5	344.9	343.1	343.1	341.2	343.7	349.1	352.8	360.1	356.5
72.5°	282.1	282.7	282.7	283.3	284.0	281.5	285.2	288.2	288.8	291.3	288.8
75°	200.5	201.7	205.3	208.4	210.8	210.8	212.0	212.7	210.2	213.3	208.4
77.5°	110.3	111.5	118.2	123.7	129.2	129.8	131.6	132.8	131.6	134.1	130.4
80°	60.9	62.2	65.2	67.6	71.9	75.6	78.0	79.2	79.2	81.0	79.2
82.5°	34.7	36.0	37.8	39.0	42.7	45.7	48.1	50.0	50.0	50.6	49.4
85°	16.5	16.5	17.7	18.9	20.7	21.9	25.0	26.8	26.8	28.0	26.8
87.5°	2.4	3.0	3.7	3.7	4.9	6.1	7.3	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)