

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: P633888

Luminaire Tested: GWS-SA2F-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10000 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

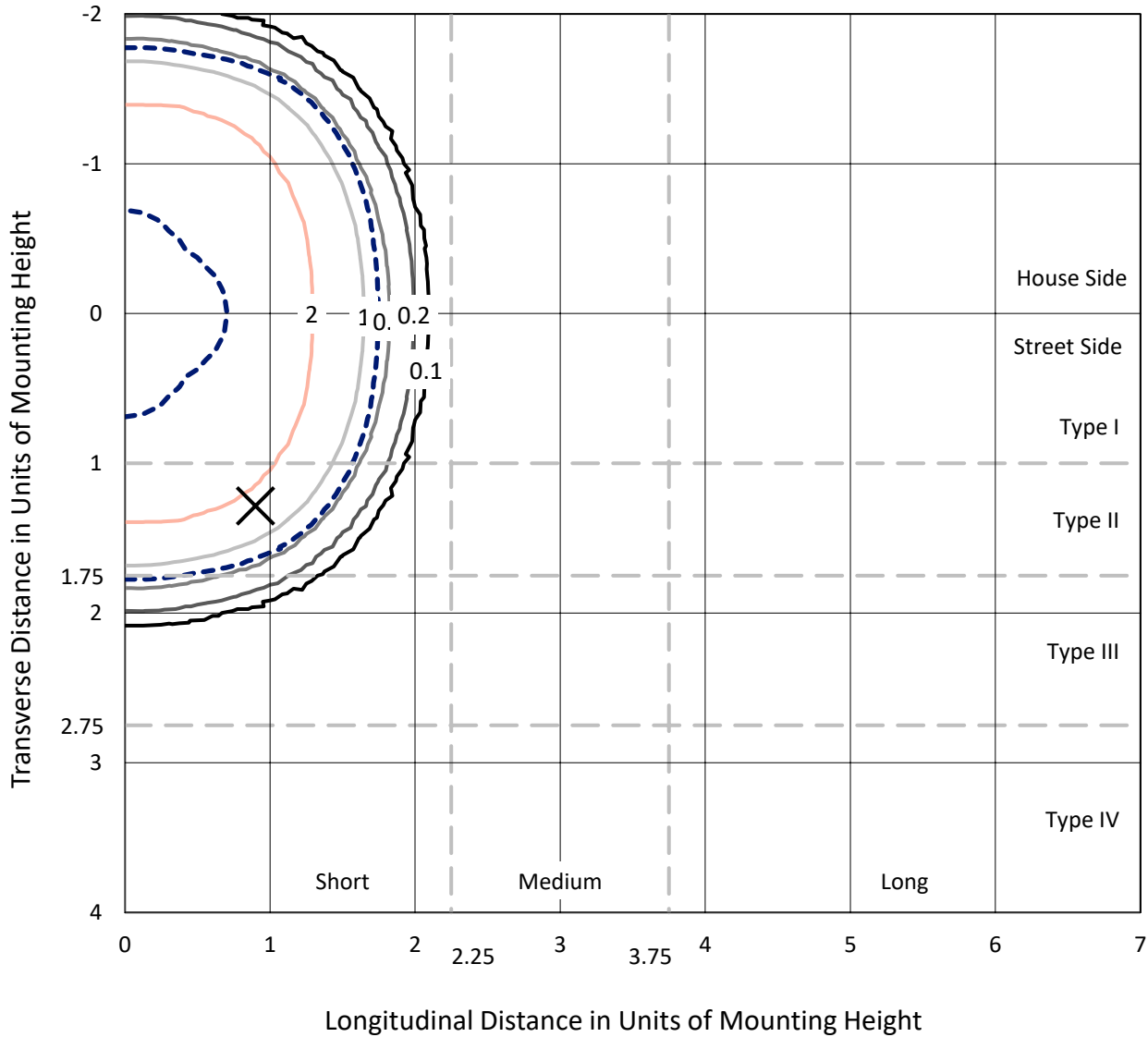
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

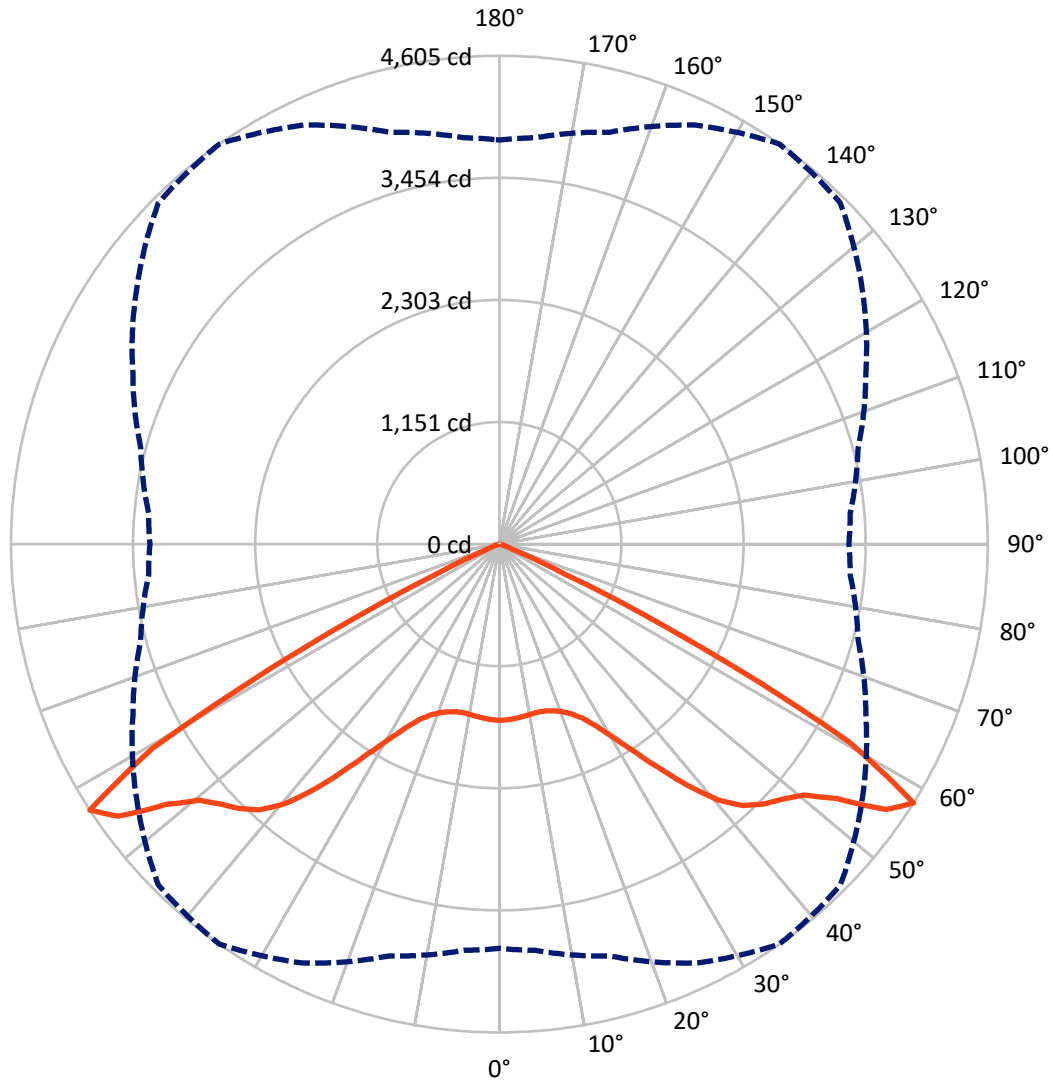
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5000.0	0.0	5000.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5000.0	0.0	5000.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10000.0	0.0	10000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.6
10°-20°	460.8	4.6
20°-30°	832.9	8.3
30°-40°	1553.8	15.5
40°-50°	2606.5	26.1
50°-60°	3442.2	34.4
60°-70°	914.2	9.1
70°-80°	32.5	0.3
80°-90°	0.6	0.0
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°	10000.0	100.0
0°-180°	10000.0	100.0

Coefficient of Utilization



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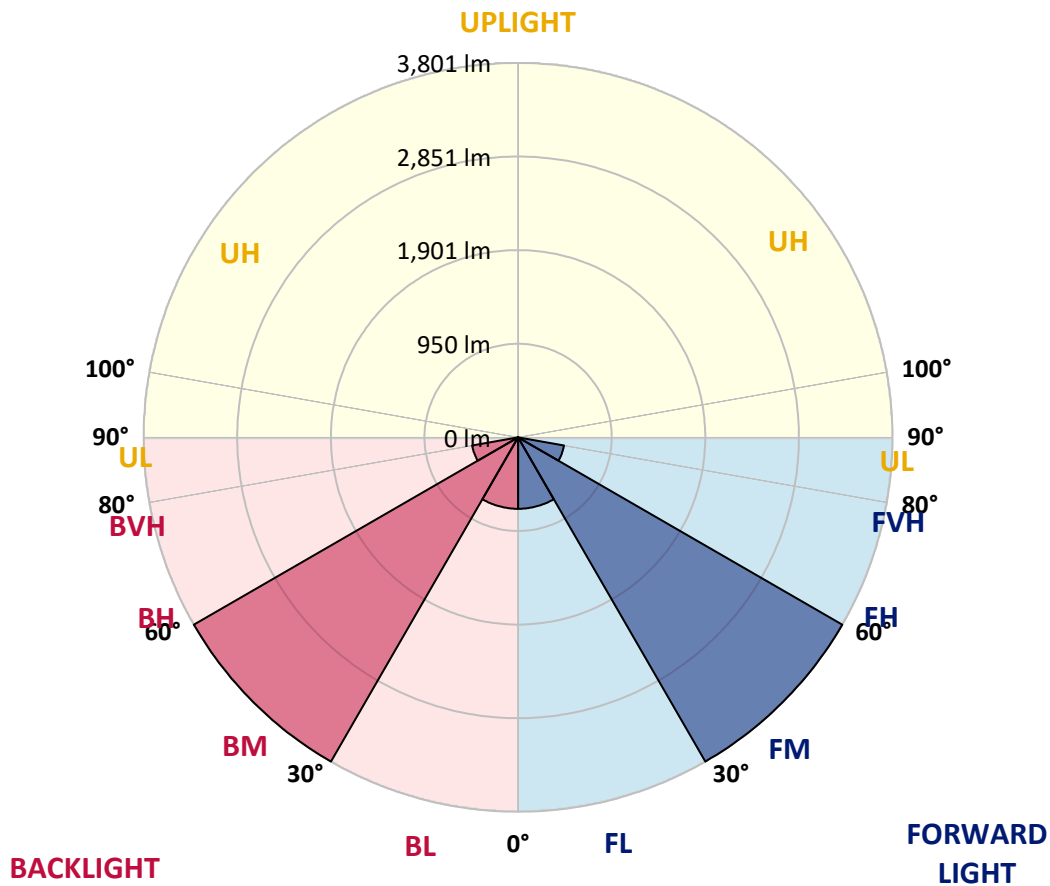
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.1	7.3			
FM (30°-60°)	3801.2	38.0			
FH (60°-80°)	473.3	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	725.1	7.3	B2/1000		
BM (30°-60°)	3801.2	38.0	B3/5000		
BH (60°-80°)	473.3	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6	1662.6
2.5°	1650.9	1649.7	1654.4	1657.9	1657.9	1666.1	1663.8	1661.4	1659.1	1655.6	1663.8
5°	1648.5	1647.3	1650.9	1653.2	1650.9	1657.9	1653.2	1648.5	1646.2	1641.5	1650.9
7.5°	1638.0	1639.1	1641.5	1643.8	1640.3	1646.2	1640.3	1633.3	1627.4	1622.7	1630.9
10°	1621.5	1622.7	1625.0	1629.7	1630.9	1639.1	1630.9	1618.0	1609.8	1602.8	1611.0
12.5°	1613.3	1614.5	1618.0	1623.9	1625.0	1635.6	1625.0	1606.3	1594.5	1586.3	1594.5
15°	1615.7	1618.0	1622.7	1629.7	1632.1	1642.6	1628.6	1603.9	1587.5	1576.9	1584.0
17.5°	1623.9	1626.2	1633.3	1645.0	1653.2	1663.8	1646.2	1614.5	1592.2	1576.9	1584.0
20°	1634.4	1638.0	1649.7	1668.5	1686.1	1704.8	1682.5	1639.1	1609.8	1591.0	1596.9
22.5°	1663.8	1667.3	1683.7	1708.3	1737.7	1761.1	1734.2	1679.0	1639.1	1614.5	1620.4
25°	1723.6	1727.1	1748.2	1779.9	1817.5	1848.0	1813.9	1744.7	1693.1	1664.9	1667.3
27.5°	1817.5	1821.0	1845.6	1890.2	1940.7	1984.1	1934.8	1853.8	1795.2	1762.3	1762.3
30°	1936.0	1940.7	1973.5	2033.4	2112.0	2169.5	2102.6	2004.0	1928.9	1884.3	1885.5
32.5°	2088.5	2083.8	2130.7	2212.9	2324.3	2400.6	2302.0	2182.4	2089.7	2027.5	2033.4
35°	2284.4	2283.3	2336.1	2447.5	2593.0	2684.5	2567.2	2412.3	2300.9	2237.5	2238.7
37.5°	2536.7	2535.5	2596.6	2717.4	2892.2	2968.5	2837.1	2679.9	2560.2	2499.2	2506.2
40°	2832.4	2825.3	2879.3	2995.5	3170.3	3219.6	3076.4	2949.7	2834.7	2796.0	2814.8
42.5°	3114.0	3098.7	3130.4	3236.0	3370.9	3378.0	3270.0	3183.2	3104.6	3074.1	3085.8
45°	3340.4	3328.7	3358.0	3419.0	3496.5	3461.3	3409.7	3382.7	3319.3	3286.5	3297.0
47.5°	3509.4	3509.4	3544.6	3582.1	3593.9	3529.3	3537.6	3537.6	3474.2	3422.6	3409.7
50°	3654.9	3665.4	3718.2	3757.0	3718.2	3636.1	3683.0	3673.7	3544.6	3441.3	3414.4
52.5°	3887.2	3897.8	3978.7	4031.5	3988.1	3907.1	3913.0	3795.7	3605.6	3483.6	3441.3
55°	4133.6	4159.4	4276.7	4417.5	4418.7	4335.4	4180.5	3972.9	3741.7	3609.1	3565.7
57.5°	3810.9	3846.1	4021.0	4360.0	4605.3	4547.8	4178.2	3813.3	3501.2	3320.5	3295.8
60°	2622.4	2683.4	2858.2	3321.7	3794.5	3816.8	3380.3	2970.8	2613.0	2390.0	2394.7
62.5°	1107.6	1169.8	1268.4	1649.7	2083.8	2110.8	1899.6	1606.3	1314.1	1153.4	1178.0
65°	260.5	278.1	307.4	456.4	661.8	692.3	638.3	497.5	367.2	310.9	316.8
67.5°	113.8	116.2	110.3	117.3	145.5	149.0	144.3	126.7	119.7	122.0	122.0
70°	79.8	81.0	76.3	72.7	69.2	64.5	66.9	73.9	79.8	84.5	83.3
72.5°	49.3	50.5	51.6	51.6	48.1	43.4	45.8	50.5	51.6	52.8	51.6
75°	24.6	25.8	28.2	29.3	28.2	27.0	27.0	28.2	28.2	27.0	27.0
77.5°	4.7	5.9	8.2	9.4	9.4	9.4	9.4	9.4	10.6	9.4	9.4
80°	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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)