

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: P634280

Luminaire Tested: GWS-SA3B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634280
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-SA3B-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8784.5 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

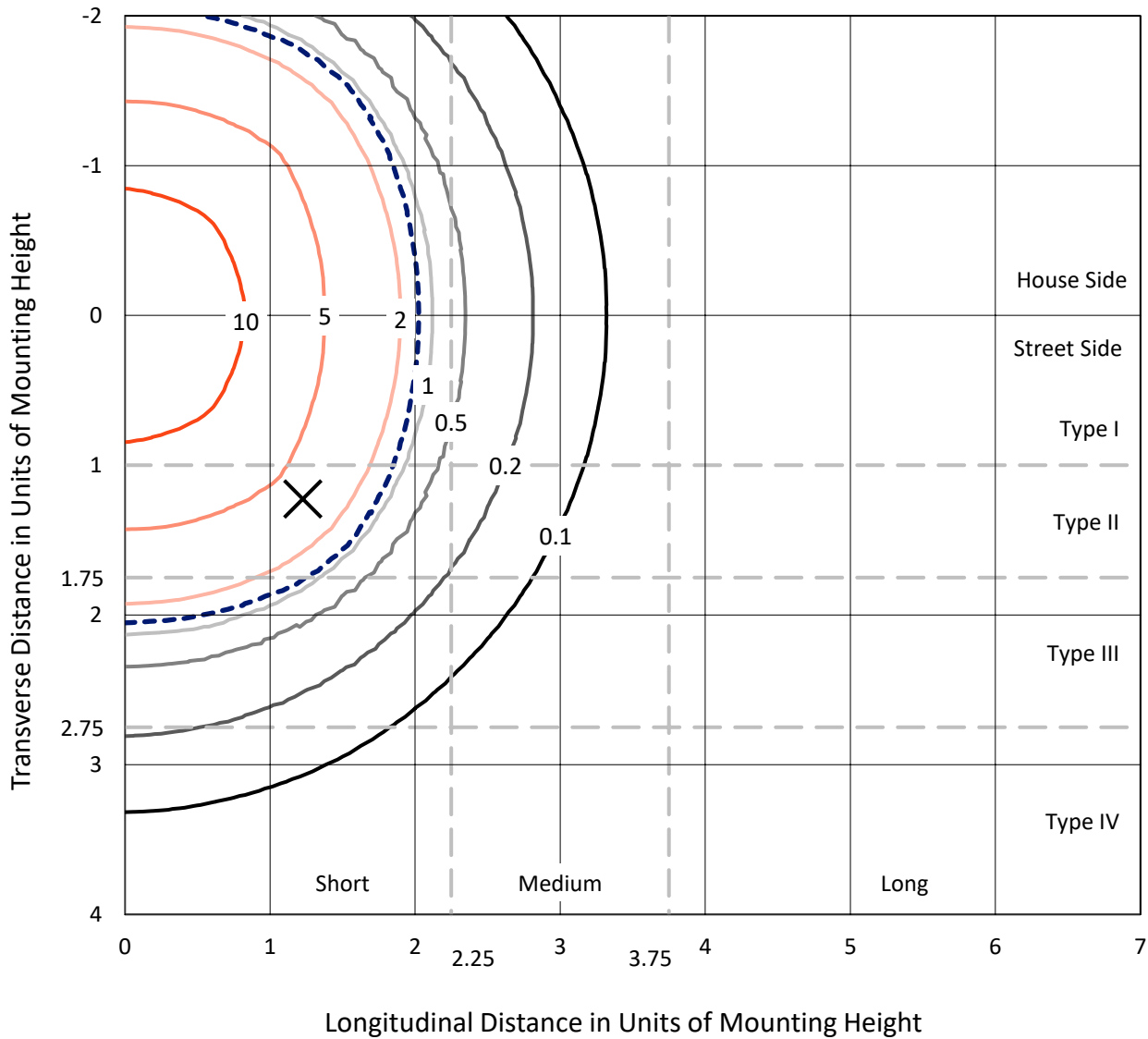
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

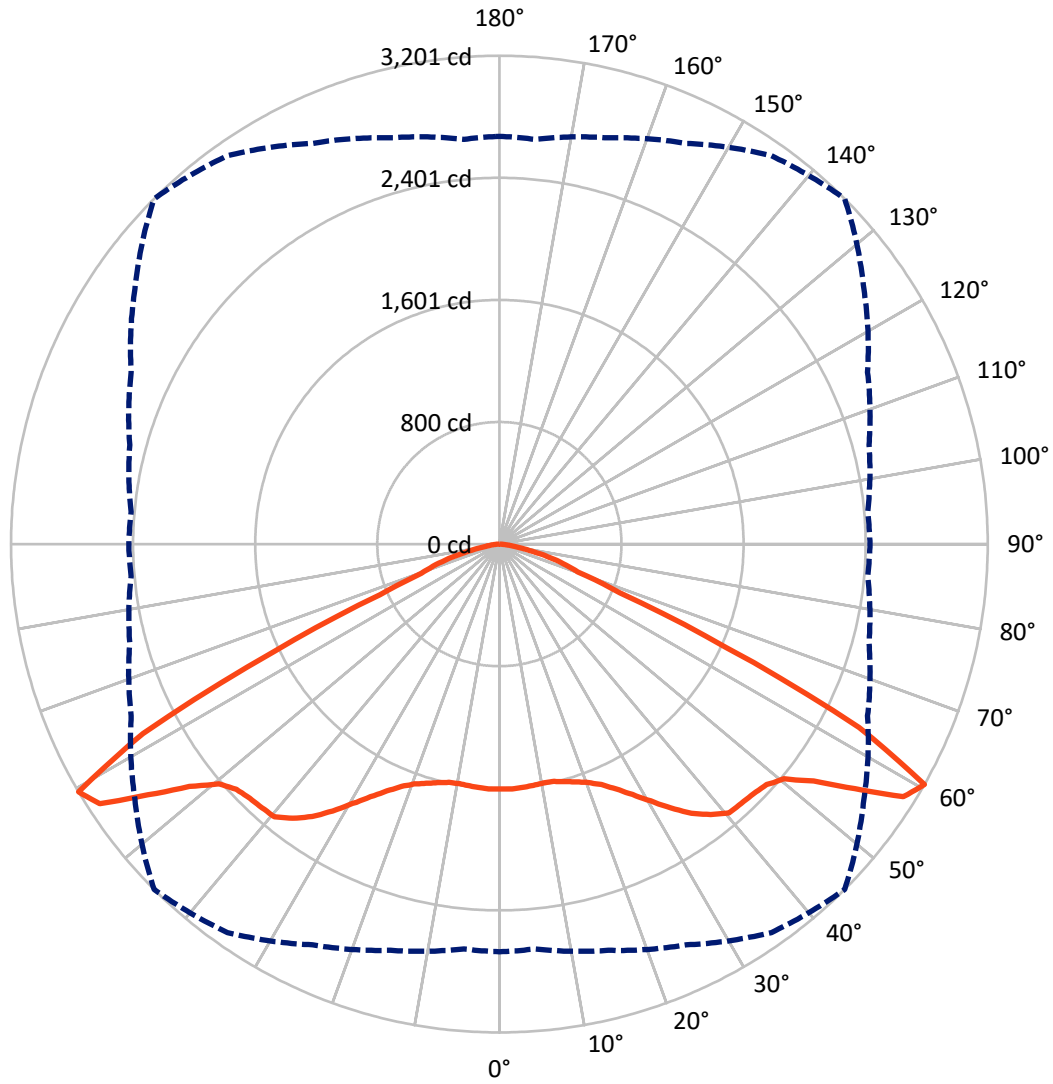
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type V - Short - N/A

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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	4392.2	0.0	4392.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4392.2	0.0	4392.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8784.5	0.0	8784.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	1.7
10°-20°	457.9	5.2
20°-30°	810.2	9.2
30°-40°	1304.4	14.8
40°-50°	1792.8	20.4
50°-60°	2389.1	27.2
60°-70°	1489.0	17.0
70°-80°	342.4	3.9
80°-90°	46.4	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°	8784.5	100.0
0°-180°	8784.5	100.0

Coefficient of Utilization



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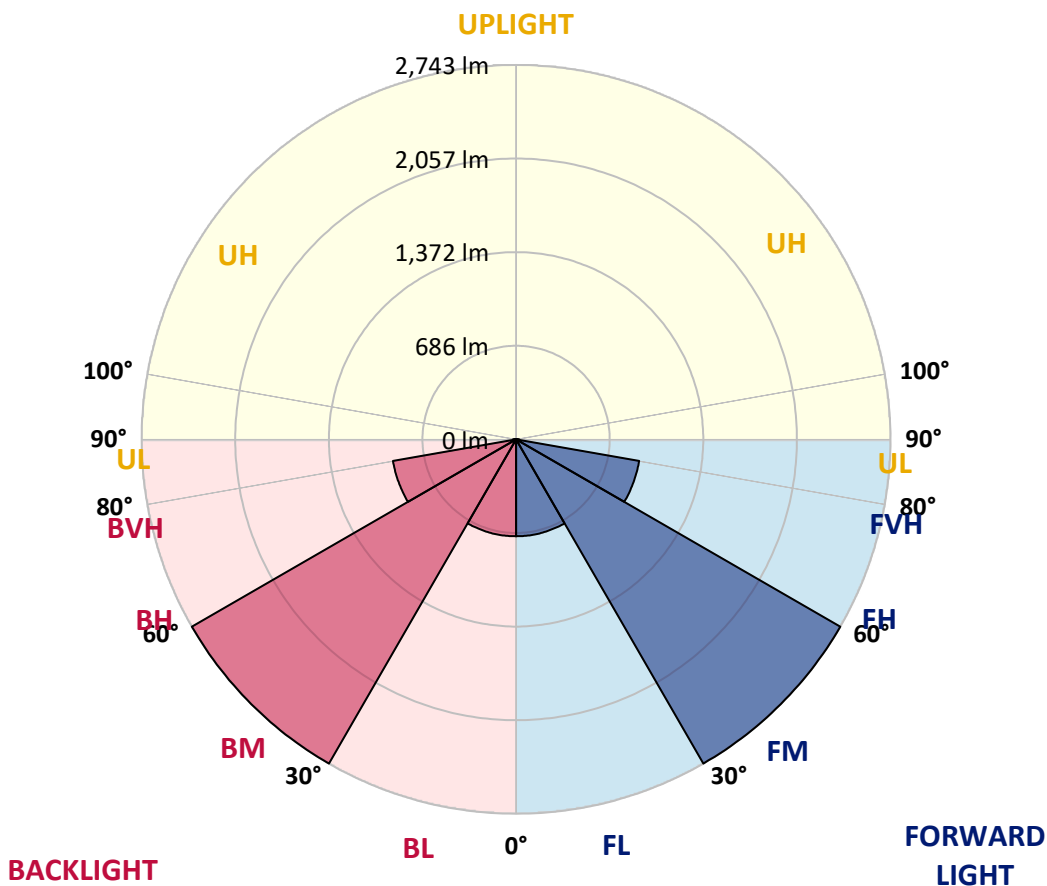
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	710.2	8.1			
FM (30°-60°)	2743.2	31.2			
FH (60°-80°)	915.7	10.4			G1/1800
FVH (80°-90°)	23.2	0.3			G1/100
BL (0°-30°)	710.2	8.1	B2/1000		
BM (30°-60°)	2743.2	31.2	B3/5000		
BH (60°-80°)	915.7	10.4	B2/1000		G1/1800
BVH (80°-90°)	23.2	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4	1605.4
2.5°	1594.2	1595.7	1598.6	1600.9	1603.9	1606.8	1608.3	1605.4	1603.9	1597.9	1604.6
5°	1595.7	1597.2	1599.4	1599.4	1600.1	1602.4	1602.4	1598.6	1594.9	1588.2	1595.7
7.5°	1593.4	1594.9	1595.7	1594.9	1595.7	1596.4	1594.9	1590.4	1586.7	1580.7	1586.7
10°	1589.7	1591.2	1592.7	1591.2	1589.7	1591.9	1591.9	1589.0	1586.7	1580.7	1587.5
12.5°	1597.9	1600.1	1600.9	1597.2	1595.7	1596.4	1596.4	1593.4	1593.4	1588.2	1595.7
15°	1617.3	1618.8	1616.5	1612.1	1612.8	1615.0	1609.8	1602.4	1600.9	1598.6	1604.6
17.5°	1632.2	1633.7	1631.5	1628.5	1633.7	1638.9	1629.2	1615.0	1610.6	1609.1	1615.8
20°	1648.6	1650.8	1647.9	1651.6	1662.0	1668.0	1656.1	1636.7	1627.7	1625.5	1633.7
22.5°	1675.4	1678.4	1678.4	1686.6	1702.3	1712.0	1697.1	1671.0	1657.5	1653.8	1662.0
25°	1717.9	1720.2	1722.4	1738.8	1764.2	1777.6	1753.7	1717.9	1699.3	1693.3	1697.8
27.5°	1776.9	1780.6	1784.3	1808.2	1839.5	1858.9	1824.6	1779.8	1756.7	1744.8	1753.7
30°	1846.9	1852.2	1861.1	1888.0	1931.9	1953.6	1909.6	1855.1	1829.0	1816.4	1828.3
32.5°	1942.4	1943.1	1949.8	1979.7	2037.8	2062.4	2007.3	1946.9	1920.0	1905.1	1911.8
35°	2055.7	2056.5	2046.0	2076.6	2139.2	2166.8	2101.9	2040.8	2018.4	2014.0	2031.1
37.5°	2172.0	2165.3	2154.9	2168.3	2231.7	2249.6	2181.0	2128.8	2119.1	2127.3	2152.7
40°	2254.8	2243.6	2222.7	2232.4	2296.6	2317.4	2244.4	2195.2	2192.2	2212.3	2242.9
42.5°	2308.5	2296.6	2272.0	2272.0	2315.9	2324.9	2268.2	2242.1	2248.8	2272.0	2301.0
45°	2334.6	2327.9	2313.7	2306.3	2330.9	2334.6	2291.3	2280.9	2293.6	2304.8	2327.1
47.5°	2354.7	2354.7	2350.2	2342.8	2354.0	2356.2	2324.1	2321.2	2337.6	2337.6	2352.5
50°	2390.5	2394.2	2400.2	2398.7	2410.6	2418.1	2394.2	2389.8	2396.5	2374.9	2382.3
52.5°	2484.5	2494.2	2511.3	2524.7	2555.3	2578.4	2535.9	2500.1	2465.1	2417.4	2418.8
55°	2653.0	2657.4	2691.0	2730.5	2782.0	2828.9	2741.7	2630.6	2554.5	2498.6	2499.4
57.5°	2795.4	2802.1	2851.3	2934.1	3049.7	3122.7	2929.6	2743.9	2636.6	2568.0	2570.2
60°	2672.4	2663.4	2756.6	2898.3	3107.8	3201.0	2916.2	2662.7	2508.3	2423.3	2429.3
62.5°	2067.6	2050.5	2154.1	2302.5	2553.8	2647.0	2384.5	2141.5	1995.3	1929.0	1919.3
65°	1258.6	1243.0	1317.5	1408.5	1578.5	1637.4	1517.4	1388.4	1260.9	1220.6	1209.4
67.5°	685.2	683.0	703.1	747.9	822.4	850.0	826.9	765.8	733.0	704.6	704.6
70°	543.6	539.1	535.4	536.1	542.8	546.6	547.3	544.3	548.0	548.8	545.8
72.5°	450.4	448.9	441.4	442.2	439.2	437.7	442.9	445.9	451.9	452.6	452.6
75°	326.6	322.9	326.6	327.3	324.4	324.4	328.1	327.3	330.3	331.8	323.6
77.5°	185.7	185.7	190.9	196.8	201.3	201.3	205.0	205.0	208.8	208.0	206.5
80°	102.2	102.2	105.1	108.9	113.3	117.8	121.5	122.3	124.5	123.8	121.5
82.5°	58.2	58.9	60.4	62.6	67.1	70.8	74.6	75.3	77.5	77.5	75.3
85°	27.6	26.8	27.6	29.1	31.3	34.3	38.0	40.3	41.8	41.8	40.3
87.5°	5.2	6.0	5.2	6.0	6.7	8.9	10.4	11.9	14.2	14.9	13.4
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)