

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: P634277

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 9429.5 lumens
Efficiency: N/A
Efficacy: 138.1 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

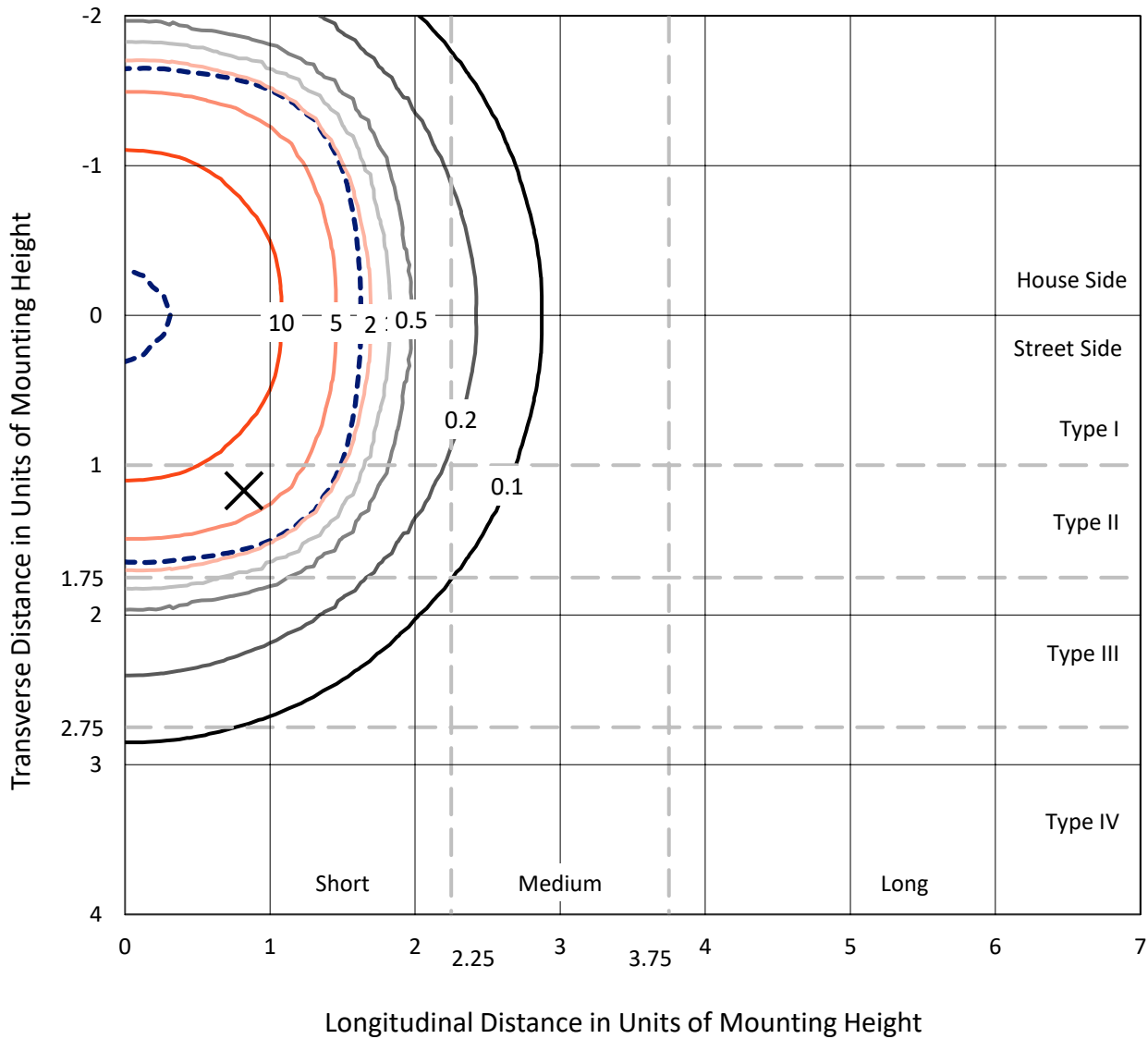


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Iso-Footcandle Lines of Horizontal Illumination

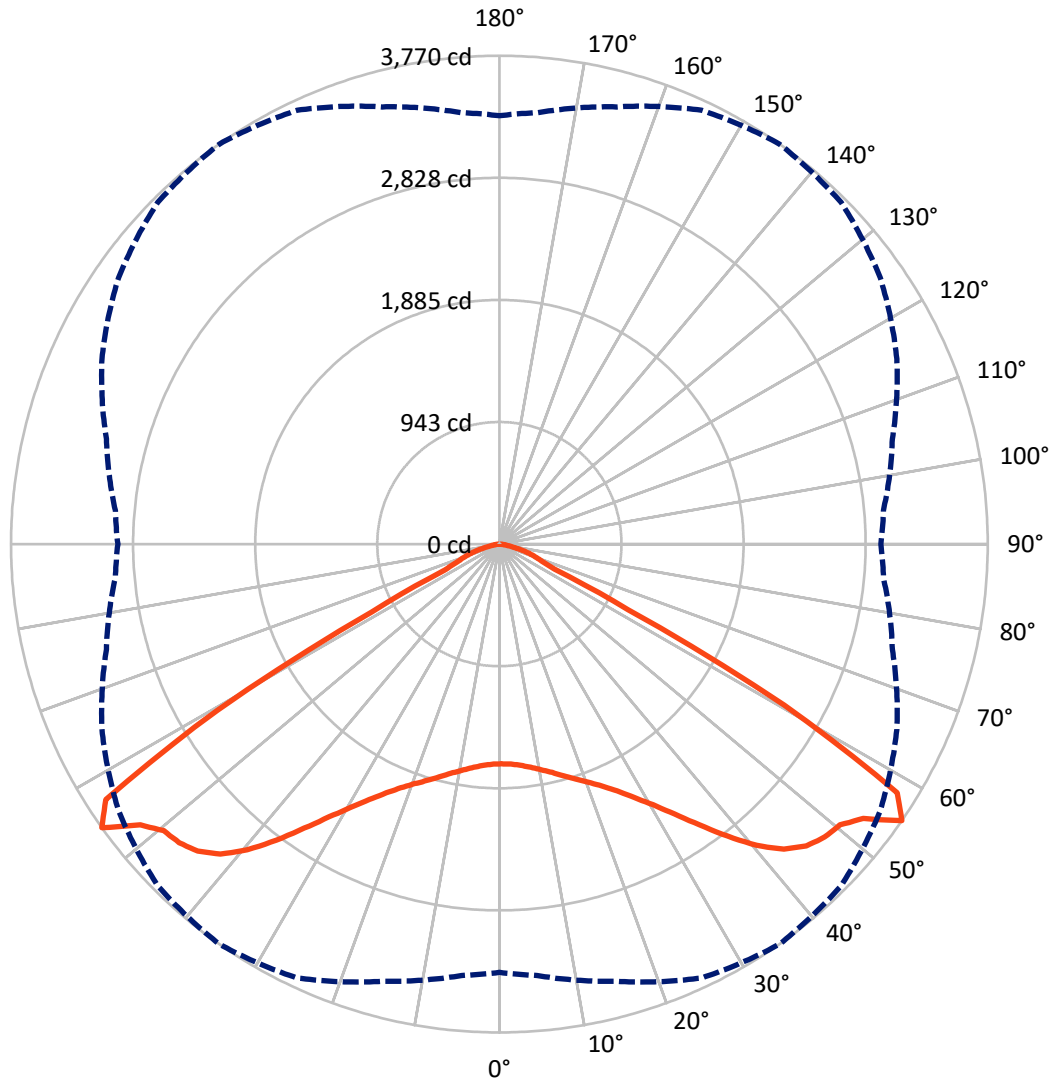
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4714.8	0.0	4714.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4714.8	0.0	4714.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9429.5	0.0	9429.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	1.8
10°-20°	526.8	5.6
20°-30°	975.0	10.3
30°-40°	1631.0	17.3
40°-50°	2485.3	26.4
50°-60°	2784.1	29.5
60°-70°	658.7	7.0
70°-80°	177.6	1.9
80°-90°	25.6	0.3
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°	9429.5	100.0
0°-180°	9429.5	100.0

Coefficient of Utilization



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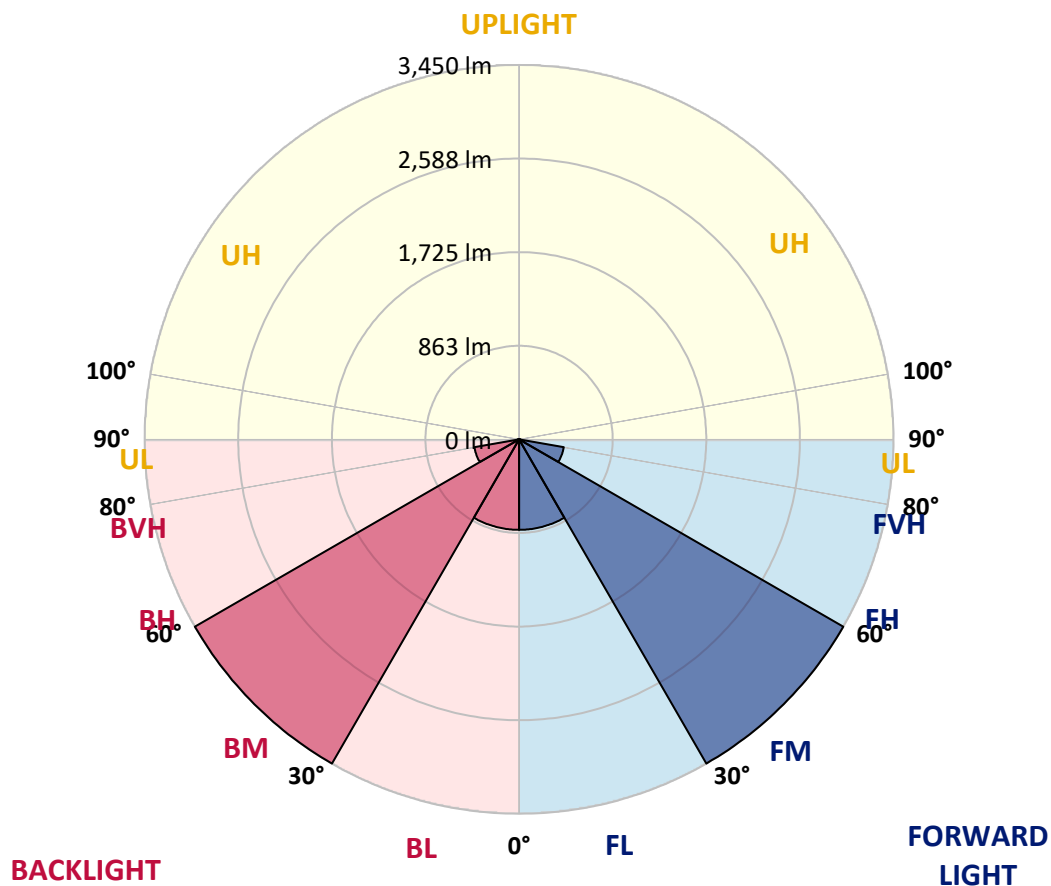
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.6	8.8			
FM (30°-60°)	3450.2	36.6			
FH (60°-80°)	418.2	4.4			G0/660
FVH (80°-90°)	12.8	0.1			G1/100
BL (0°-30°)	833.6	8.8	B2/1000		
BM (30°-60°)	3450.2	36.6	B3/5000		
BH (60°-80°)	418.2	4.4	B1/500		G0/660
BVH (80°-90°)	12.8	0.1			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°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4
2.5°	1692.7	1692.7	1695.6	1699.4	1700.1	1707.6	1706.1	1703.1	1701.6	1698.6	1705.3
5°	1711.3	1712.1	1714.3	1716.5	1715.0	1721.0	1718.8	1715.0	1712.8	1709.1	1715.8
7.5°	1735.9	1735.9	1738.1	1741.1	1739.6	1748.6	1744.1	1738.9	1735.2	1730.7	1736.7
10°	1758.3	1759.8	1762.0	1768.0	1771.0	1780.7	1777.7	1770.2	1764.2	1759.0	1765.7
12.5°	1791.8	1793.3	1795.6	1803.8	1809.0	1818.7	1814.2	1803.8	1794.8	1787.4	1794.8
15°	1835.1	1833.6	1839.6	1850.0	1856.7	1865.7	1860.4	1842.5	1830.6	1820.9	1828.4
17.5°	1879.1	1878.3	1884.3	1897.7	1907.4	1919.3	1910.4	1889.5	1876.8	1864.9	1872.4
20°	1926.8	1929.0	1935.0	1947.7	1961.8	1977.5	1970.1	1947.7	1933.5	1920.1	1926.1
22.5°	1985.7	1986.5	1993.2	2009.6	2028.2	2043.1	2038.7	2011.1	1993.2	1979.0	1986.5
25°	2056.5	2055.8	2064.8	2084.1	2110.2	2125.2	2115.5	2084.9	2065.5	2049.1	2055.1
27.5°	2137.8	2137.1	2150.5	2175.9	2213.1	2234.0	2213.9	2175.9	2149.0	2125.9	2131.1
30°	2240.0	2237.7	2252.7	2287.0	2335.4	2370.5	2340.6	2287.7	2252.7	2228.1	2233.3
32.5°	2353.3	2356.3	2374.9	2421.2	2482.3	2527.8	2483.1	2424.2	2377.2	2341.4	2347.4
35°	2477.9	2477.9	2515.9	2573.3	2660.5	2720.9	2651.6	2566.6	2503.9	2454.7	2456.2
37.5°	2616.5	2618.0	2668.0	2747.0	2861.1	2932.0	2838.0	2732.9	2656.8	2603.9	2600.9
40°	2785.8	2790.3	2841.7	2929.7	3058.0	3122.9	3022.2	2919.3	2841.7	2779.1	2773.1
42.5°	2976.7	2978.2	3032.6	3111.7	3219.8	3258.6	3179.5	3095.3	3031.9	2975.2	2969.2
45°	3158.6	3154.9	3201.9	3260.8	3323.4	3327.2	3283.2	3248.9	3193.7	3145.2	3136.3
47.5°	3300.3	3297.3	3339.8	3371.9	3379.4	3342.8	3357.0	3362.2	3298.1	3232.5	3215.3
50°	3386.8	3392.8	3433.1	3450.9	3407.0	3347.3	3401.0	3387.6	3295.8	3210.1	3182.5
52.5°	3439.0	3448.0	3518.1	3563.5	3518.1	3461.4	3468.8	3389.8	3257.8	3144.5	3108.7
55°	3307.0	3342.8	3494.2	3695.5	3770.1	3730.6	3588.9	3385.3	3140.7	2976.0	2945.4
57.5°	2451.0	2507.7	2732.1	3168.3	3621.7	3765.6	3351.8	2838.0	2467.4	2255.6	2237.7
60°	1251.2	1314.6	1494.3	1942.5	2525.6	2728.4	2334.7	1817.2	1444.4	1272.9	1253.5
62.5°	510.8	521.2	580.1	753.1	1116.3	1287.8	1131.2	794.1	596.5	549.6	550.3
65°	401.9	404.2	401.2	411.6	467.5	519.0	479.5	421.3	410.9	416.1	412.4
67.5°	350.5	351.2	349.0	349.0	351.2	349.0	353.4	355.7	357.2	363.1	359.4
70°	293.0	293.8	293.8	295.3	294.5	290.8	297.5	300.5	301.2	305.0	302.7
72.5°	226.7	228.9	230.4	231.2	230.4	228.2	231.9	237.1	236.4	240.1	236.4
75°	153.6	156.6	158.1	161.1	160.3	160.3	164.8	167.0	164.8	167.8	164.8
77.5°	87.2	89.5	94.0	96.9	99.9	102.2	105.1	106.6	105.9	107.4	105.9
80°	50.7	51.5	55.2	56.7	60.4	64.1	67.1	68.6	69.3	70.1	69.3
82.5°	29.1	29.8	31.3	32.8	35.8	38.8	41.8	44.0	44.0	44.7	44.0
85°	14.2	14.2	14.9	15.7	17.2	19.4	21.6	23.9	24.6	24.6	24.6
87.5°	2.2	2.2	3.0	3.0	3.7	4.5	6.0	7.5	8.2	8.2	8.2
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)