

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: P632407

Luminaire Tested: GWS-SA2C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632407
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-SA2C-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8465.1 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.2
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

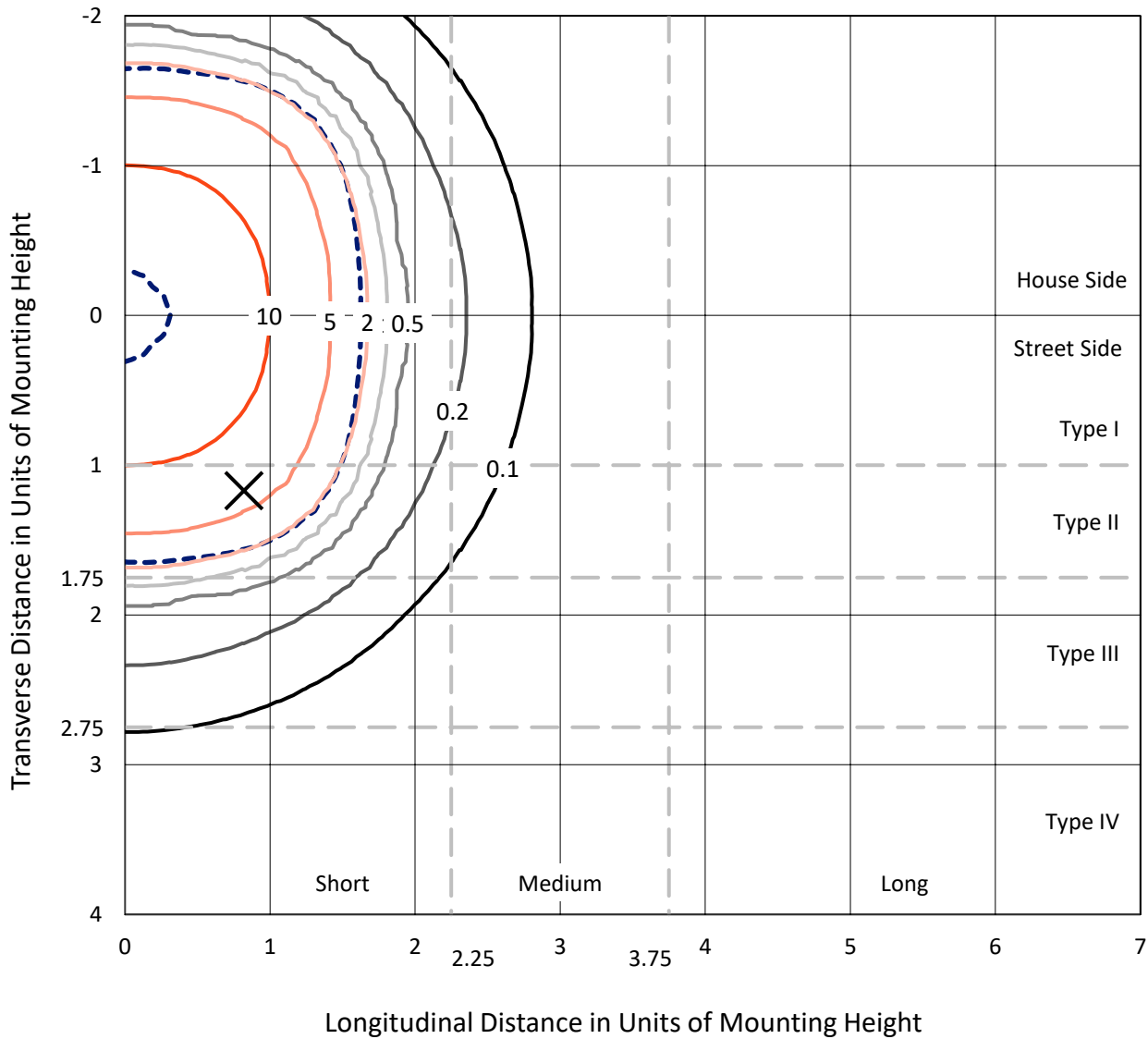


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Iso-Footcandle Lines of Horizontal Illumination

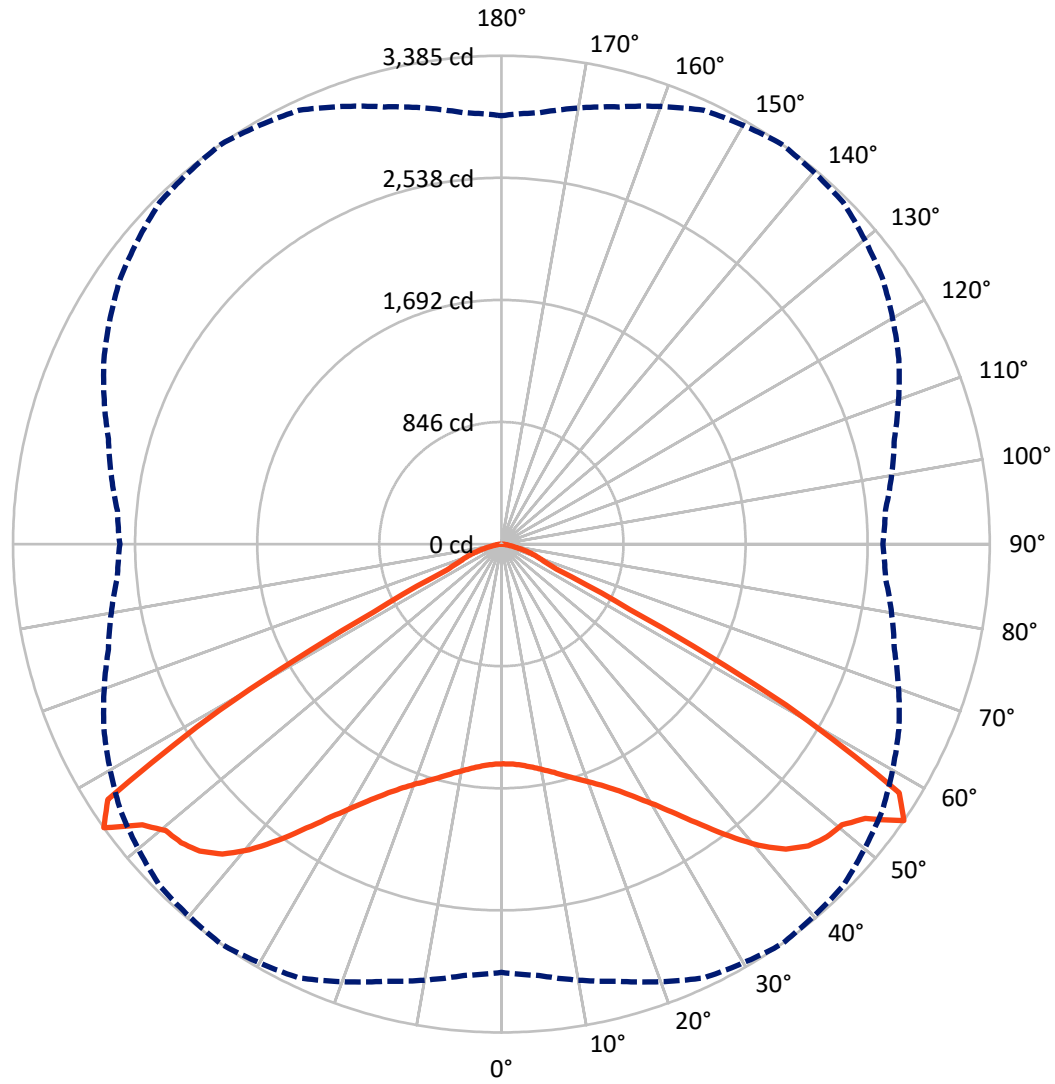
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 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	4232.5	0.0	4232.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4232.5	0.0	4232.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8465.1	0.0	8465.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	1.8
10°-20°	472.9	5.6
20°-30°	875.3	10.3
30°-40°	1464.2	17.3
40°-50°	2231.1	26.4
50°-60°	2499.3	29.5
60°-70°	591.4	7.0
70°-80°	159.4	1.9
80°-90°	22.9	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°	8465.1	100.0
0°-180°	8465.1	100.0

Coefficient of Utilization



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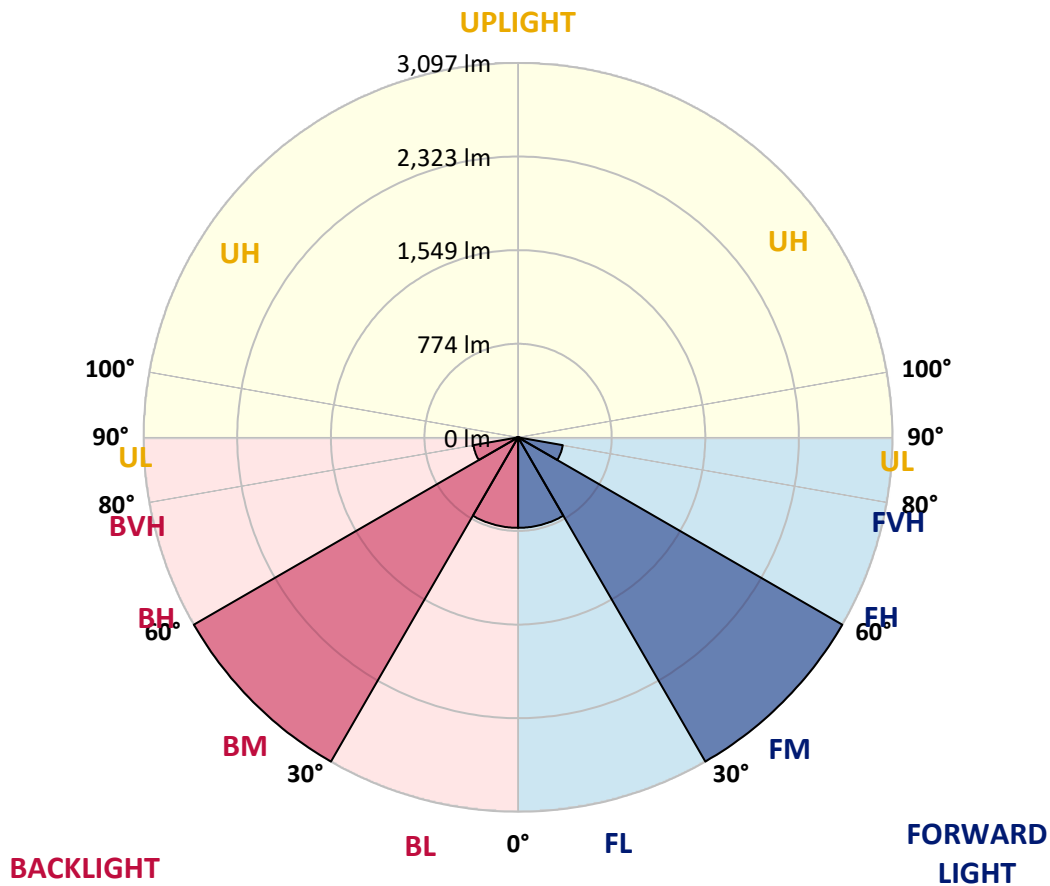
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.4	8.8			
FM (30°-60°)	3097.3	36.6			
FH (60°-80°)	375.4	4.4			G0/660
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	748.4	8.8	B2/1000		
BM (30°-60°)	3097.3	36.6	B3/5000		
BH (60°-80°)	375.4	4.4	B1/500		G0/660
BVH (80°-90°)	11.5	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°	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9	1522.9
2.5°	1519.5	1519.5	1522.2	1525.6	1526.2	1532.9	1531.6	1528.9	1527.6	1524.9	1530.9
5°	1536.3	1537.0	1539.0	1541.0	1539.6	1545.0	1543.0	1539.6	1537.6	1534.3	1540.3
7.5°	1558.4	1558.4	1560.4	1563.1	1561.7	1569.8	1565.7	1561.1	1557.7	1553.7	1559.0
10°	1578.5	1579.8	1581.8	1587.2	1589.8	1598.5	1595.9	1589.2	1583.8	1579.1	1585.1
12.5°	1608.6	1609.9	1611.9	1619.3	1624.0	1632.7	1628.7	1619.3	1611.3	1604.6	1611.3
15°	1647.4	1646.1	1651.4	1660.8	1666.8	1674.8	1670.2	1654.1	1643.4	1634.7	1641.4
17.5°	1686.9	1686.2	1691.6	1703.6	1712.3	1723.0	1715.0	1696.3	1684.9	1674.2	1680.9
20°	1729.7	1731.7	1737.1	1748.5	1761.2	1775.3	1768.6	1748.5	1735.8	1723.7	1729.1
22.5°	1782.6	1783.3	1789.3	1804.0	1820.8	1834.2	1830.2	1805.4	1789.3	1776.6	1783.3
25°	1846.2	1845.5	1853.6	1871.0	1894.4	1907.8	1899.1	1871.7	1854.2	1839.5	1844.9
27.5°	1919.2	1918.5	1930.6	1953.3	1986.8	2005.5	1987.5	1953.3	1929.2	1908.5	1913.2
30°	2010.9	2008.9	2022.3	2053.1	2096.6	2128.0	2101.3	2053.7	2022.3	2000.2	2004.9
32.5°	2112.6	2115.3	2132.1	2173.6	2228.4	2269.3	2229.1	2176.2	2134.1	2101.9	2107.3
35°	2224.4	2224.4	2258.6	2310.1	2388.4	2442.7	2380.4	2304.1	2247.9	2203.7	2205.0
37.5°	2348.9	2350.3	2395.1	2466.1	2568.5	2632.1	2547.8	2453.4	2385.1	2337.6	2334.9
40°	2500.9	2504.9	2551.1	2630.1	2745.2	2803.5	2713.1	2620.7	2551.1	2494.9	2489.5
42.5°	2672.3	2673.6	2722.5	2793.4	2890.5	2925.3	2854.3	2778.7	2721.8	2670.9	2665.6
45°	2835.6	2832.2	2874.4	2927.3	2983.5	2986.9	2947.4	2916.6	2867.1	2823.5	2815.5
47.5°	2962.8	2960.1	2998.3	3027.0	3033.7	3000.9	3013.7	3018.3	2960.8	2901.9	2886.5
50°	3040.4	3045.8	3081.9	3098.0	3058.5	3005.0	3053.2	3041.1	2958.8	2881.8	2857.0
52.5°	3087.3	3095.3	3158.2	3199.1	3158.2	3107.4	3114.1	3043.1	2924.6	2822.9	2790.7
55°	2968.8	3000.9	3136.8	3317.6	3384.5	3349.0	3221.8	3039.1	2819.5	2671.6	2644.1
57.5°	2200.3	2251.2	2452.7	2844.3	3251.3	3380.5	3009.0	2547.8	2215.1	2024.9	2008.9
60°	1123.3	1180.2	1341.5	1743.8	2267.3	2449.3	2095.9	1631.3	1296.6	1142.7	1125.3
62.5°	458.5	467.9	520.8	676.1	1002.1	1156.1	1015.5	712.9	535.5	493.4	494.0
65°	360.8	362.8	360.1	369.5	419.7	465.9	430.4	378.2	368.8	373.5	370.2
67.5°	314.6	315.3	313.3	313.3	315.3	313.3	317.3	319.3	320.6	326.0	322.7
70°	263.1	263.7	263.7	265.1	264.4	261.1	267.1	269.8	270.4	273.8	271.8
72.5°	203.5	205.5	206.8	207.5	206.8	204.8	208.2	212.9	212.2	215.5	212.2
75°	137.9	140.6	141.9	144.6	143.9	143.9	147.9	149.9	147.9	150.6	147.9
77.5°	78.3	80.3	84.3	87.0	89.7	91.7	94.4	95.7	95.1	96.4	95.1
80°	45.5	46.2	49.5	50.9	54.2	57.6	60.2	61.6	62.3	62.9	62.3
82.5°	26.1	26.8	28.1	29.5	32.1	34.8	37.5	39.5	39.5	40.2	39.5
85°	12.7	12.7	13.4	14.1	15.4	17.4	19.4	21.4	22.1	22.1	22.1
87.5°	2.0	2.0	2.7	2.7	3.3	4.0	5.4	6.7	7.4	7.4	7.4
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)