

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: P637636

Luminaire Tested: GWS-SA4D-730-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-730-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22607.8 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

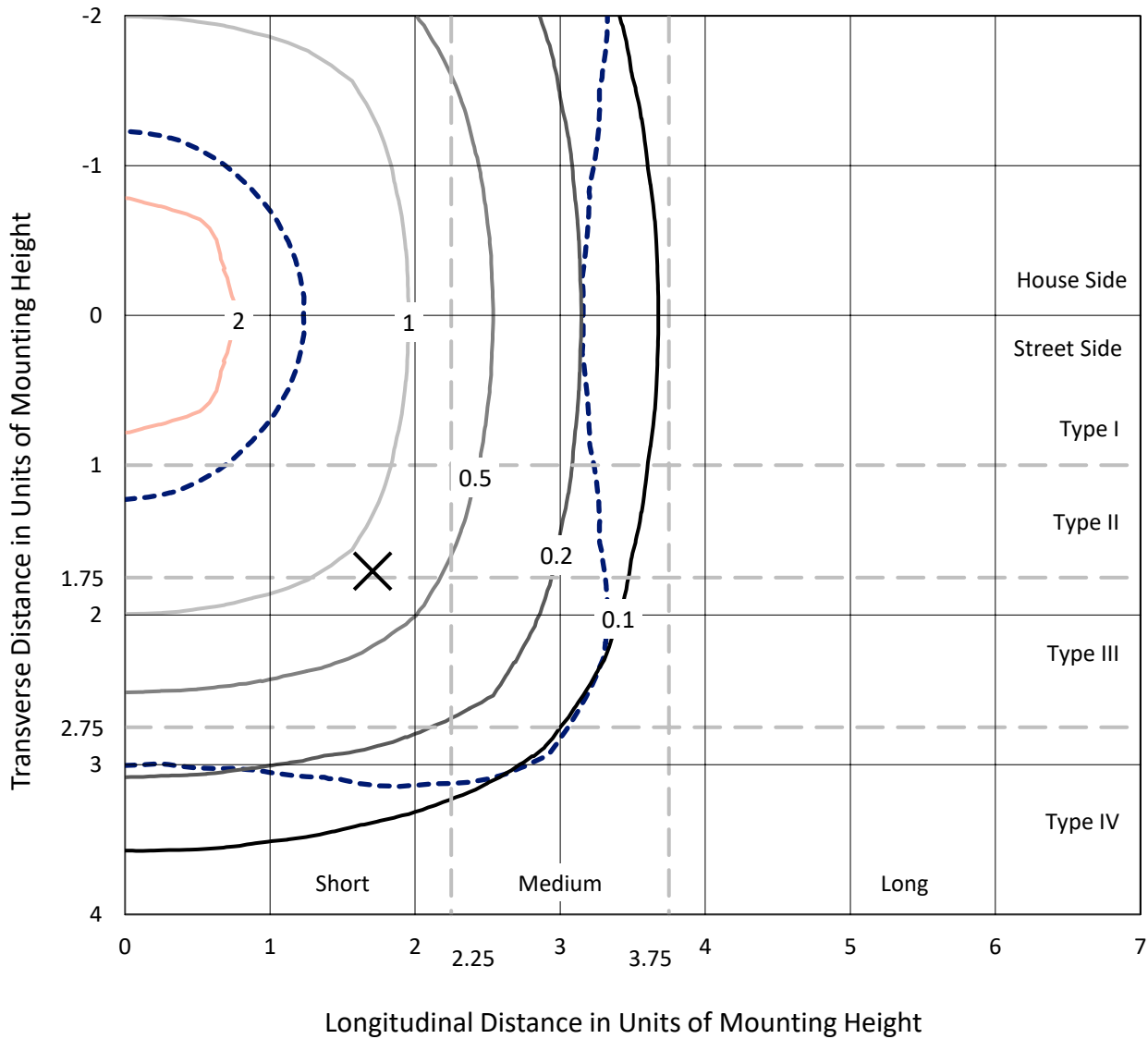
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

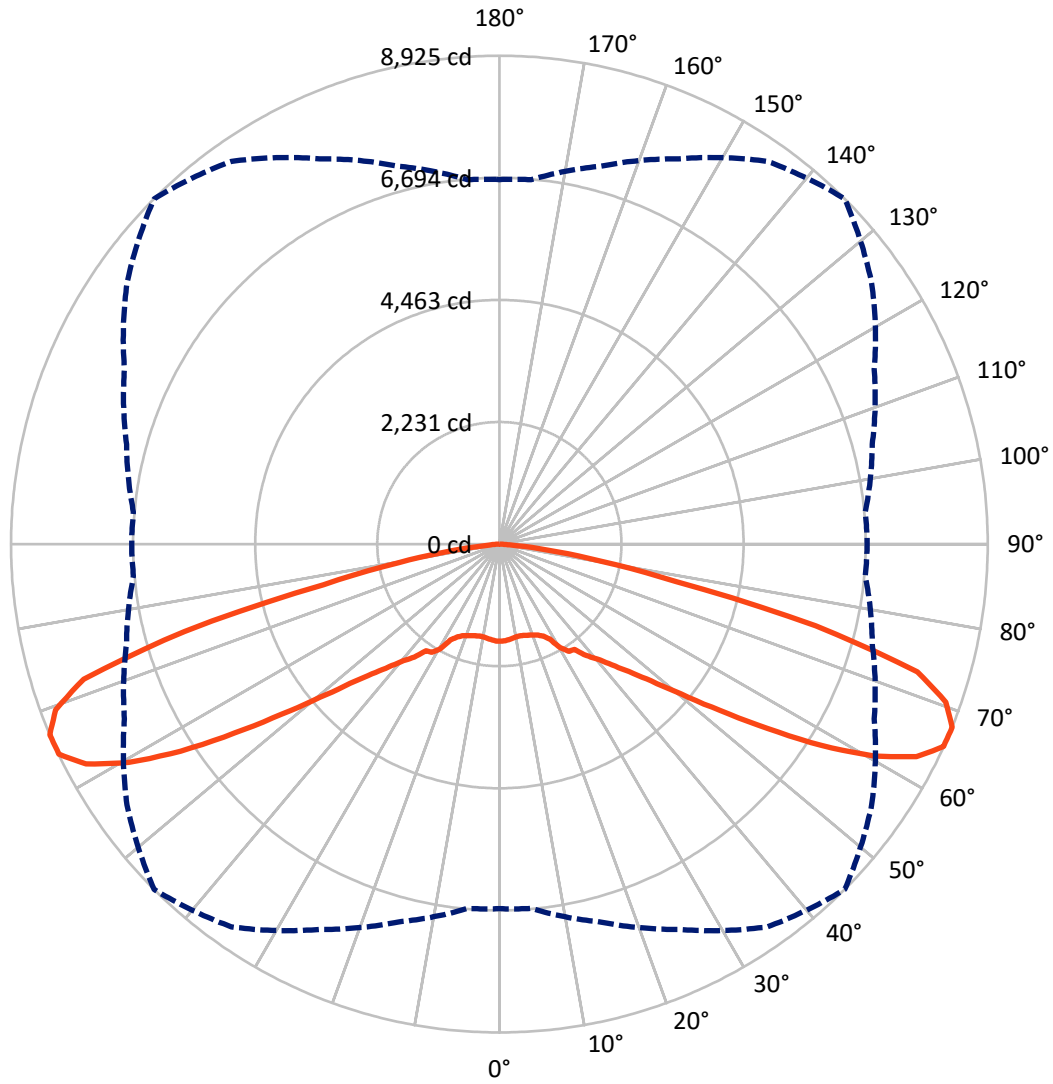
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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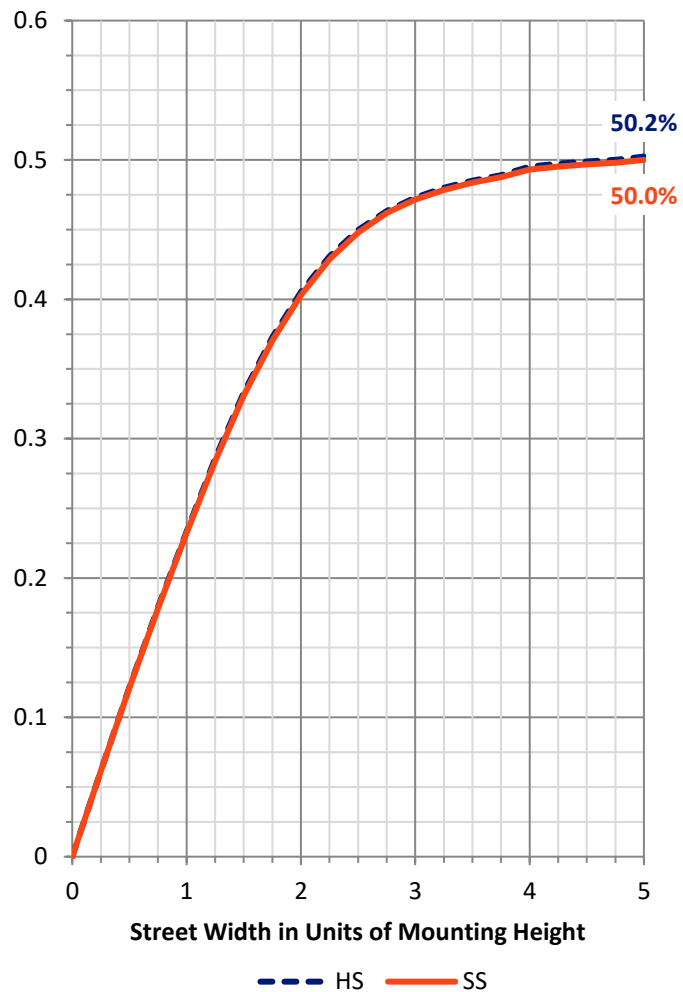
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11303.9	0.0	11303.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11303.9	0.0	11303.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22607.8	0.0	22607.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	0.7
10°-20°	494.0	2.2
20°-30°	886.1	3.9
30°-40°	1497.0	6.6
40°-50°	2630.2	11.6
50°-60°	5073.7	22.4
60°-70°	7361.2	32.6
70°-80°	4211.8	18.6
80°-90°	287.5	1.3
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°	22607.8	100.0
0°-180°	22607.8	100.0

Coefficient of Utilization



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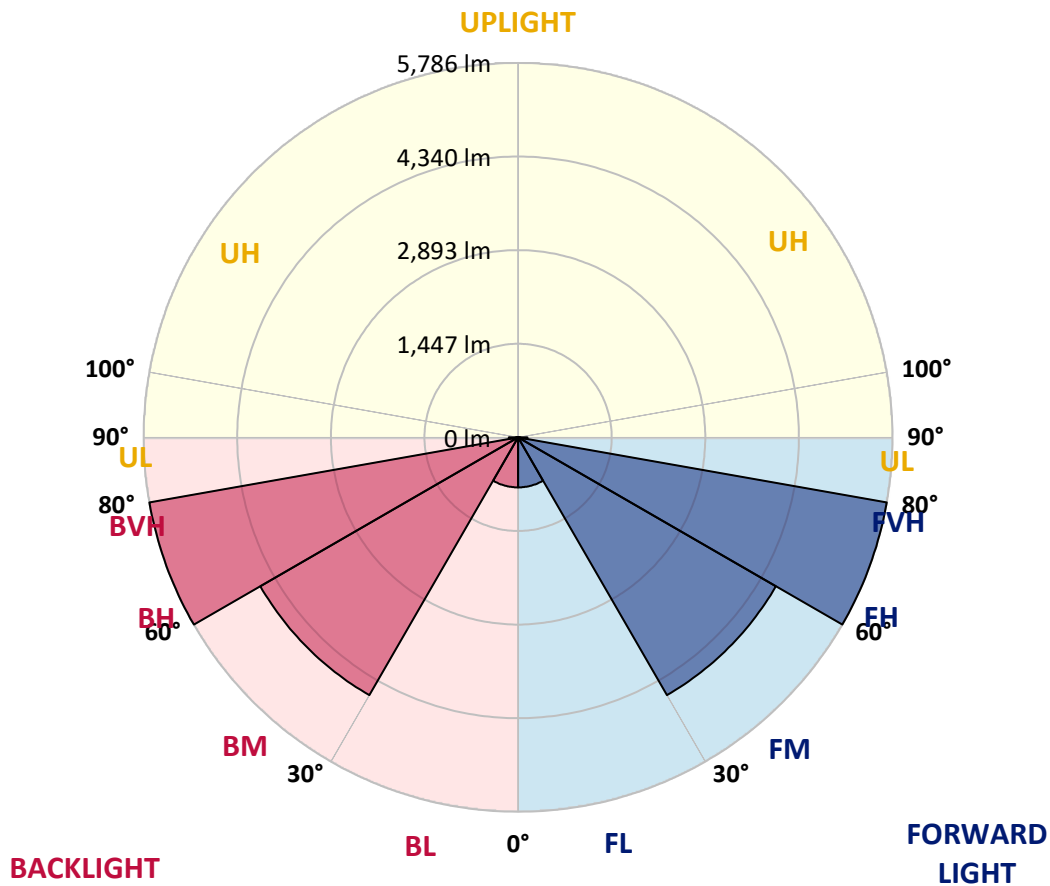
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	773.3	3.4			
FM (30°-60°)	4600.4	20.3			
FH (60°-80°)	5786.5	25.6			G3/7500
FVH (80°-90°)	143.7	0.6			G2/225
BL (0°-30°)	773.3	3.4	B2/1000		
BM (30°-60°)	4600.4	20.3	B3/5000		
BH (60°-80°)	5786.5	25.6	B5		G3/7500
BVH (80°-90°)	143.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9	1772.9
2.5°	1758.5	1760.1	1763.3	1763.3	1766.5	1771.3	1772.9	1769.7	1771.3	1763.3	1771.3
5°	1753.7	1755.3	1756.9	1753.7	1753.7	1755.3	1755.3	1752.1	1753.7	1745.7	1753.7
7.5°	1742.5	1744.1	1744.1	1739.3	1734.5	1737.7	1737.7	1734.5	1736.1	1728.2	1737.7
10°	1732.9	1732.9	1731.3	1721.8	1717.0	1721.8	1723.4	1725.0	1731.3	1725.0	1736.1
12.5°	1739.3	1739.3	1734.5	1721.8	1713.8	1717.0	1720.2	1723.4	1734.5	1732.9	1745.7
15°	1756.9	1758.5	1745.7	1731.3	1726.6	1731.3	1728.2	1726.6	1740.9	1745.7	1760.1
17.5°	1771.3	1771.3	1755.3	1740.9	1742.5	1750.5	1744.1	1736.1	1750.5	1760.1	1776.1
20°	1784.1	1782.5	1764.9	1755.3	1761.7	1772.9	1768.1	1756.9	1766.5	1777.7	1792.1
22.5°	1816.1	1814.5	1795.3	1790.5	1796.9	1808.1	1803.3	1793.7	1804.9	1820.9	1838.5
25°	1907.2	1904.0	1875.2	1859.2	1856.0	1864.0	1862.4	1859.2	1876.8	1896.0	1916.8
27.5°	2028.7	2027.1	2006.3	1990.3	1969.5	1963.2	1967.9	1982.3	2007.9	2022.3	2039.9
30°	2089.4	2089.4	2086.3	2111.8	2156.6	2199.8	2166.2	2111.8	2089.4	2083.1	2100.6
32.5°	2169.4	2177.4	2166.2	2195.0	2270.1	2334.0	2270.1	2182.2	2166.2	2166.2	2185.4
35°	2353.2	2356.4	2338.8	2334.0	2358.0	2366.0	2335.6	2303.7	2321.3	2324.5	2348.4
37.5°	2500.3	2500.3	2492.3	2505.1	2554.7	2585.0	2535.5	2477.9	2482.7	2485.9	2516.3
40°	2727.3	2733.7	2714.5	2712.9	2732.1	2759.3	2706.5	2669.8	2695.3	2703.3	2749.7
42.5°	3010.3	3010.3	2981.5	2973.5	2986.3	3015.1	2965.5	2941.5	2975.1	2981.5	3008.7
45°	3347.6	3355.6	3317.2	3302.8	3309.2	3318.8	3283.6	3272.5	3304.4	3318.8	3366.8
47.5°	3758.4	3766.4	3732.9	3731.3	3724.9	3731.3	3697.7	3691.3	3716.9	3705.7	3756.8
50°	4265.2	4279.6	4250.8	4290.8	4286.0	4305.2	4258.8	4225.3	4225.3	4194.9	4223.7
52.5°	4832.7	4861.5	4875.9	4943.1	4994.2	5042.2	4965.4	4912.7	4835.9	4773.6	4851.9
55°	5451.4	5443.4	5534.6	5681.6	5831.9	5945.4	5795.1	5628.9	5504.2	5374.7	5405.1
57.5°	5993.4	6020.6	6140.4	6409.0	6706.4	6946.2	6676.0	6356.3	6073.3	5887.9	5913.4
60°	6444.2	6466.6	6626.4	7013.3	7532.9	7863.8	7435.4	6907.8	6497.0	6241.2	6268.3
62.5°	6859.8	6880.6	7042.1	7468.9	8124.4	8556.0	8002.9	7281.9	6824.7	6567.3	6583.3
65°	7099.6	7112.4	7333.0	7782.3	8472.9	8918.9	8295.4	7552.1	7102.8	6840.7	6850.3
67.5°	6663.2	6684.0	7149.2	7769.5	8540.0	8925.3	8308.2	7560.1	7054.9	6712.8	6720.8
70°	5256.4	5238.8	5793.5	6859.8	8154.8	8656.7	7938.9	6992.5	6212.4	5734.4	5726.4
72.5°	4007.8	4012.6	4321.2	5051.8	6648.8	7988.5	7005.3	5630.5	4789.6	4426.7	4412.3
75°	2906.4	2951.1	3202.1	3737.7	4650.5	5971.0	5274.0	4172.5	3609.8	3392.4	3360.4
77.5°	1309.3	1366.9	1717.0	2346.8	3109.4	3299.6	3312.4	2832.8	2137.4	1776.1	1720.2
80°	382.1	409.3	526.0	900.0	1448.4	1872.0	1486.8	1250.2	778.5	610.7	581.9
82.5°	161.5	183.8	225.4	249.4	420.4	868.1	540.3	343.7	319.7	259.0	236.6
85°	68.7	73.5	94.3	100.7	135.9	185.4	171.1	155.1	148.7	115.1	105.5
87.5°	28.8	28.8	28.8	25.6	24.0	25.6	35.2	44.8	59.2	46.4	43.2
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)