

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: P637799

Luminaire Tested: GWS-SA4D-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13182.8 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

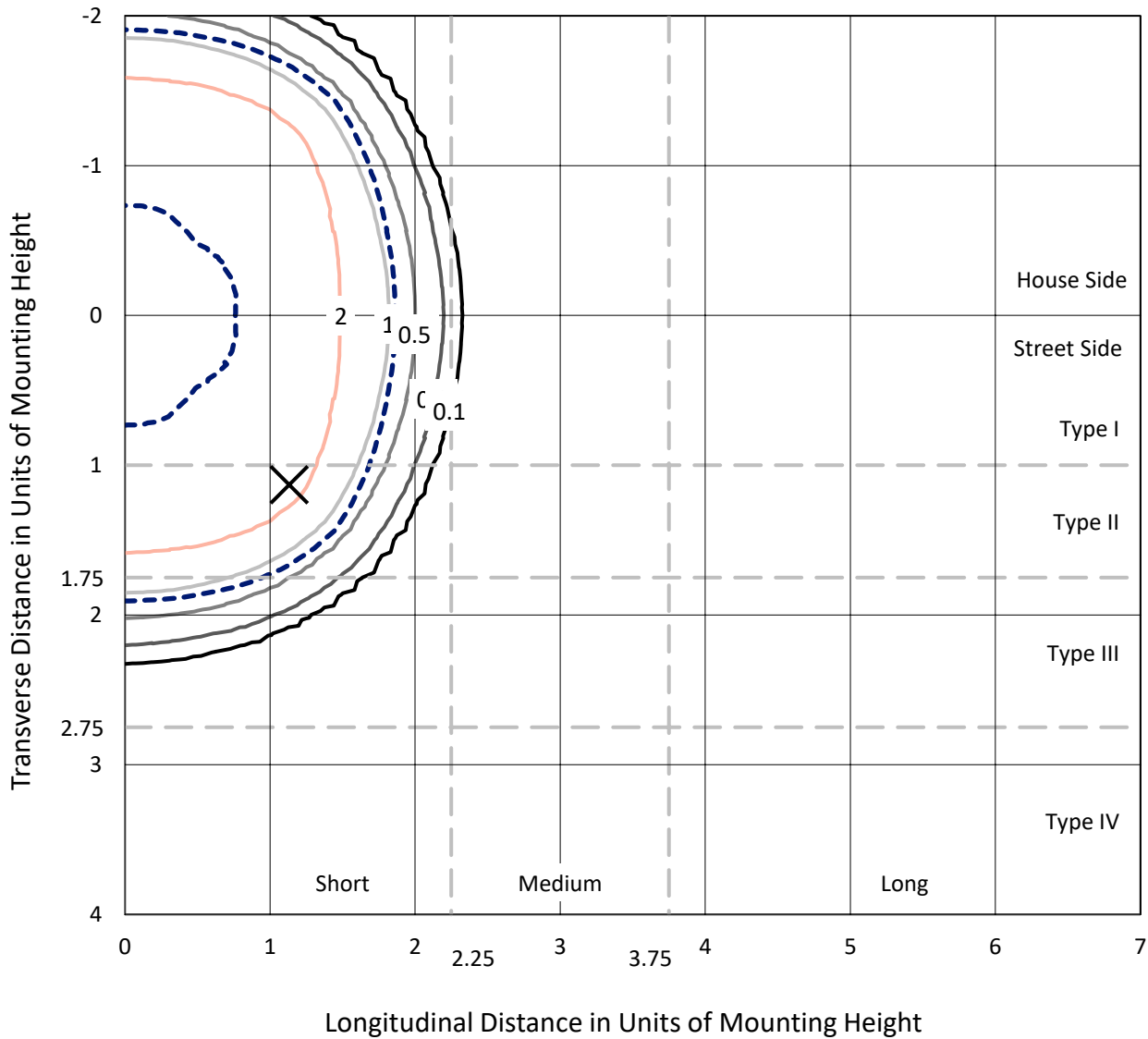


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Iso-Footcandle Lines of Horizontal Illumination

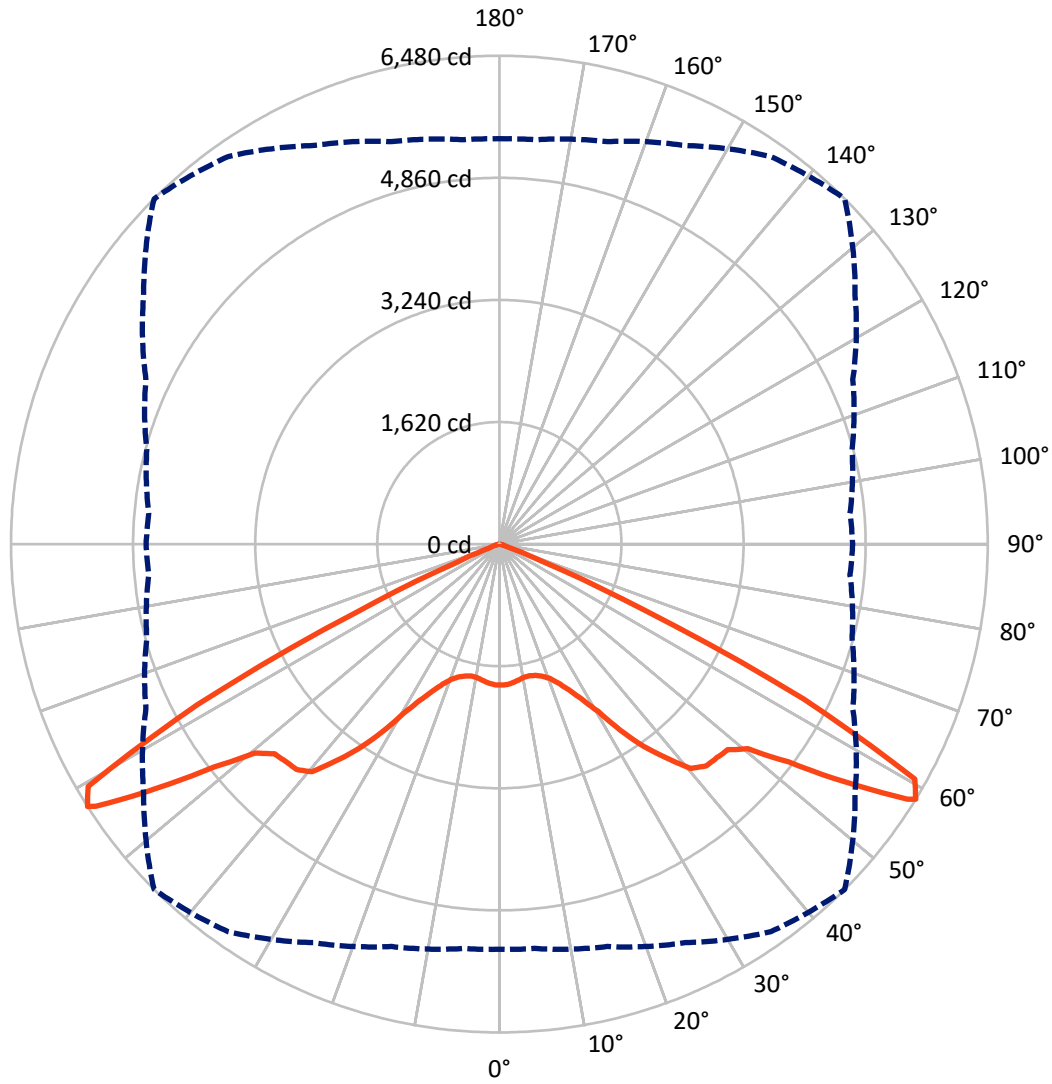
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6591.4	0.0	6591.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6591.4	0.0	6591.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13182.8	0.0	13182.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.3
10°-20°	516.1	3.9
20°-30°	976.1	7.4
30°-40°	1925.1	14.6
40°-50°	3046.5	23.1
50°-60°	4478.2	34.0
60°-70°	1998.9	15.2
70°-80°	67.0	0.5
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°	13182.8	100.0
0°-180°	13182.8	100.0

Coefficient of Utilization



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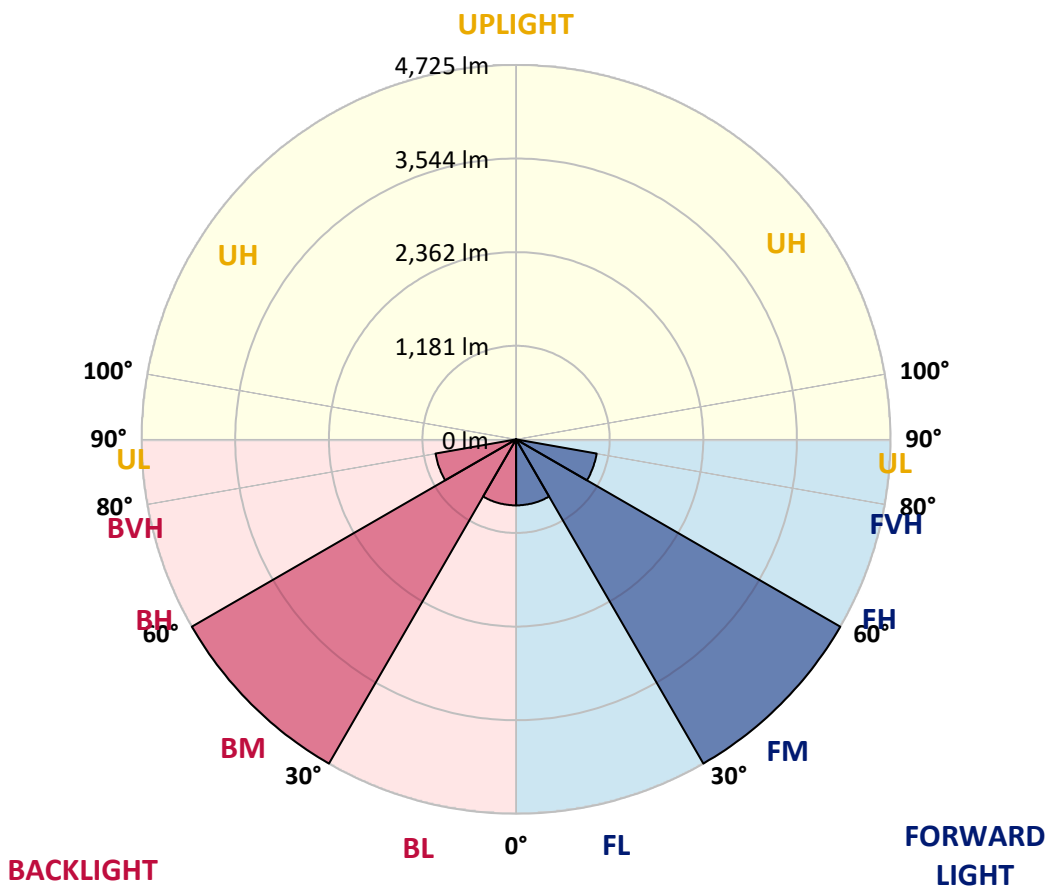
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.3	6.3			
FM (30°-60°)	4724.9	35.8			
FH (60°-80°)	1032.9	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	833.3	6.3	B2/1000		
BM (30°-60°)	4724.9	35.8	B3/5000		
BH (60°-80°)	1032.9	7.8	B3/2500		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5	1869.5
2.5°	1851.5	1855.1	1858.7	1860.5	1862.3	1867.7	1869.5	1864.1	1864.1	1853.3	1865.9
5°	1842.6	1846.2	1849.7	1847.9	1847.9	1847.9	1846.2	1839.0	1837.2	1826.4	1839.0
7.5°	1826.4	1830.0	1830.0	1824.6	1821.0	1821.0	1819.2	1810.2	1808.4	1797.7	1810.2
10°	1813.8	1815.6	1813.8	1803.0	1795.9	1795.9	1794.1	1790.5	1792.3	1785.1	1795.9
12.5°	1821.0	1822.8	1815.6	1801.3	1792.3	1790.5	1785.1	1779.7	1785.1	1783.3	1794.1
15°	1844.4	1846.2	1833.6	1815.6	1808.4	1808.4	1794.1	1779.7	1786.9	1788.7	1801.3
17.5°	1873.1	1873.1	1856.9	1840.8	1842.6	1842.6	1819.2	1794.1	1795.9	1803.0	1815.6
20°	1907.2	1907.2	1891.0	1887.5	1900.0	1901.8	1873.1	1833.6	1824.6	1830.0	1844.4
22.5°	1968.3	1968.3	1955.7	1964.7	1993.4	2002.4	1959.3	1903.6	1882.1	1885.7	1900.0
25°	2063.5	2063.5	2059.9	2081.4	2122.7	2142.5	2085.0	2011.4	1975.5	1970.1	1986.2
27.5°	2223.3	2225.1	2219.7	2252.0	2304.1	2327.4	2248.4	2151.4	2108.3	2099.4	2115.5
30°	2429.8	2429.8	2431.6	2476.5	2544.7	2575.3	2471.1	2358.0	2307.7	2279.0	2300.5
32.5°	2659.7	2663.3	2681.2	2756.7	2877.0	2939.8	2787.2	2629.1	2548.3	2517.8	2541.2
35°	3038.6	3004.5	2982.9	3038.6	3212.8	3295.4	3099.7	2914.7	2853.6	2850.0	2909.3
37.5°	3413.9	3394.2	3349.3	3406.8	3563.0	3600.7	3385.2	3230.8	3187.7	3211.0	3270.3
40°	3712.1	3676.1	3616.9	3670.8	3875.5	3913.2	3647.4	3494.8	3478.6	3530.7	3611.5
42.5°	3947.3	3897.0	3818.0	3830.6	3995.8	4022.7	3787.5	3672.5	3683.3	3748.0	3839.6
45°	4053.3	4013.8	3943.7	3938.3	4042.5	4044.3	3859.3	3800.1	3828.8	3879.1	3950.9
47.5°	4098.2	4080.2	4040.7	4031.7	4091.0	4076.6	3961.7	3936.5	3963.5	3977.8	4019.1
50°	4209.5	4209.5	4214.9	4222.1	4283.1	4268.8	4188.0	4159.2	4125.1	4074.8	4087.4
52.5°	4522.0	4534.6	4586.6	4644.1	4755.5	4802.1	4671.0	4504.0	4340.6	4231.1	4231.1
55°	5085.9	5098.5	5159.5	5256.5	5461.2	5572.6	5267.3	4899.1	4674.6	4525.6	4545.3
57.5°	5396.6	5410.9	5536.7	5798.9	6195.7	6384.3	5728.8	5182.9	4868.6	4698.0	4712.4
58°	5376.8	5385.8	5527.7	5834.8	6276.6	6479.5	5761.1	5173.9	4843.5	4669.3	4687.2
60°	4777.0	4764.4	4990.7	5428.9	6052.1	6332.2	5439.7	4723.1	4338.8	4161.0	4170.0
62.5°	3123.0	3130.2	3325.9	3783.9	4268.8	4532.8	3800.1	3266.7	2957.8	2850.0	2823.1
65°	1303.8	1280.5	1400.8	1655.8	1946.7	2094.0	1799.5	1522.9	1332.5	1260.7	1280.5
67.5°	335.8	326.8	334.0	418.4	511.8	605.2	508.2	387.9	337.6	341.2	341.2
70°	190.4	179.6	145.5	134.7	131.1	131.1	131.1	131.1	150.9	177.8	183.2
72.5°	143.7	134.7	106.0	91.6	80.8	75.4	79.0	91.6	109.5	132.9	136.5
75°	71.8	71.8	64.7	61.1	53.9	50.3	52.1	57.5	66.4	75.4	73.6
77.5°	14.4	16.2	18.0	21.6	18.0	18.0	18.0	21.6	21.6	23.3	21.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)