

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: P635373

Luminaire Tested: GWS-SA3D-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10847.9 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 120.8
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

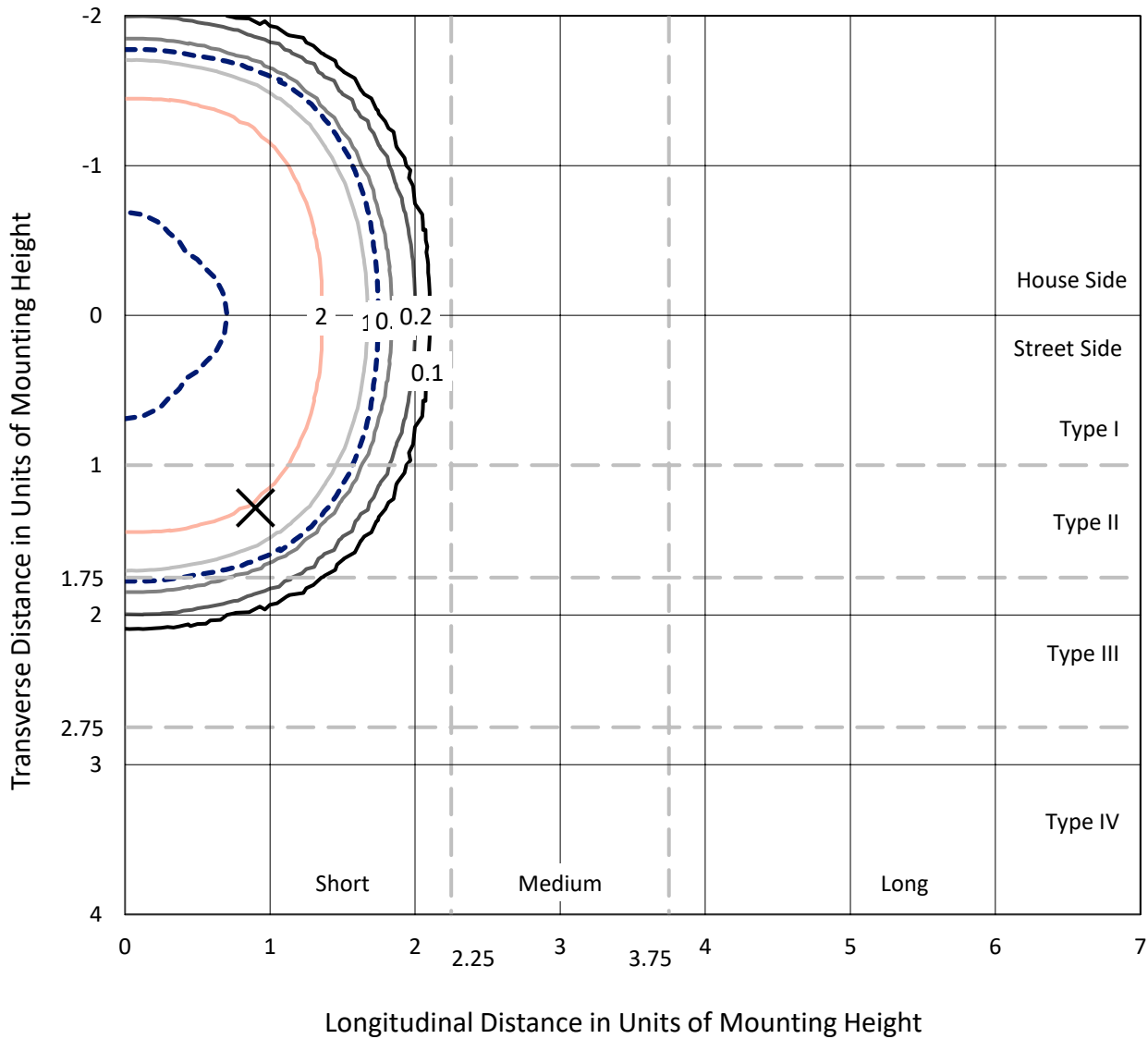


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Iso-Footcandle Lines of Horizontal Illumination

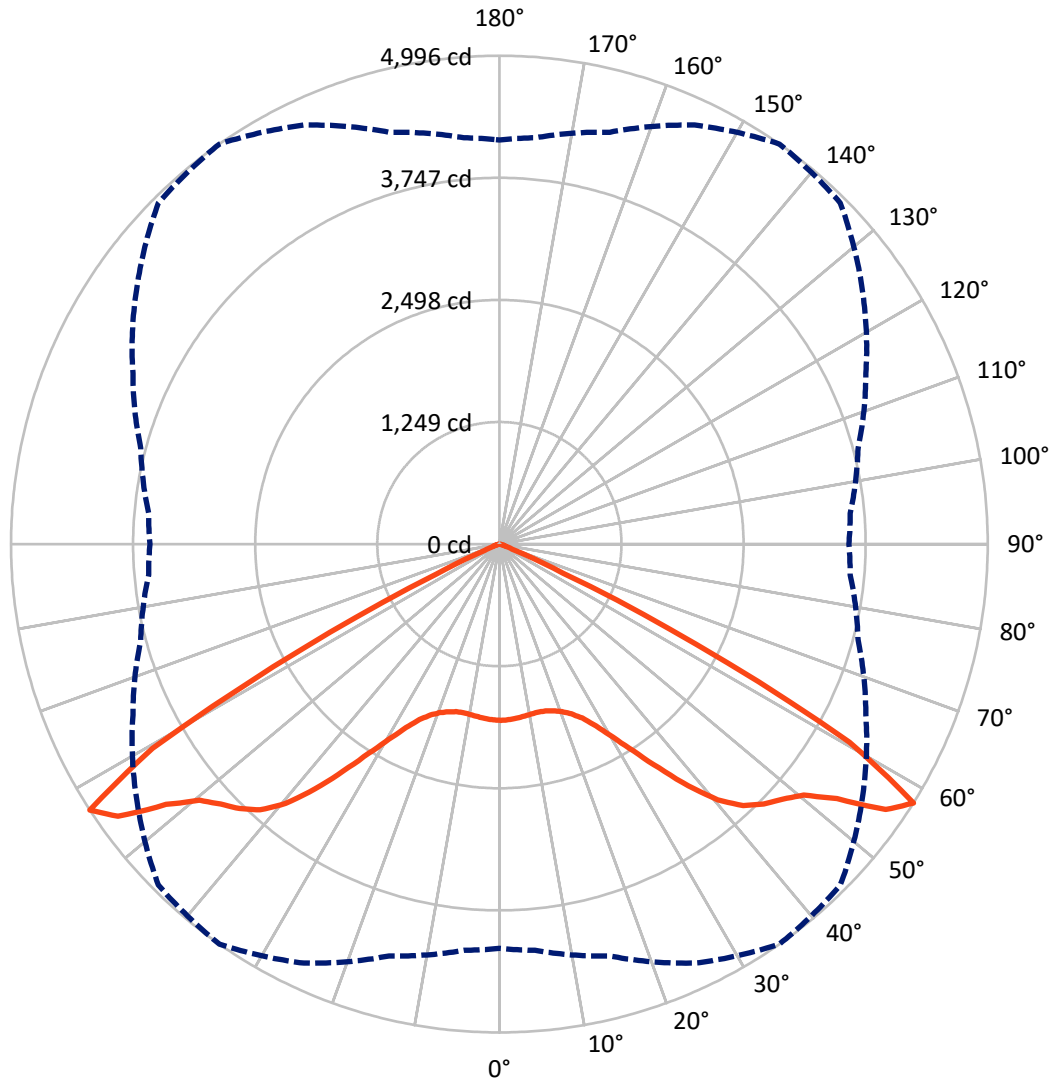
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5424.0	0.0	5424.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5424.0	0.0	5424.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10847.9	0.0	10847.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.6
10°-20°	499.8	4.6
20°-30°	903.5	8.3
30°-40°	1685.6	15.5
40°-50°	2827.5	26.1
50°-60°	3734.0	34.4
60°-70°	991.7	9.1
70°-80°	35.2	0.3
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°	10847.9	100.0
0°-180°	10847.9	100.0

Coefficient of Utilization



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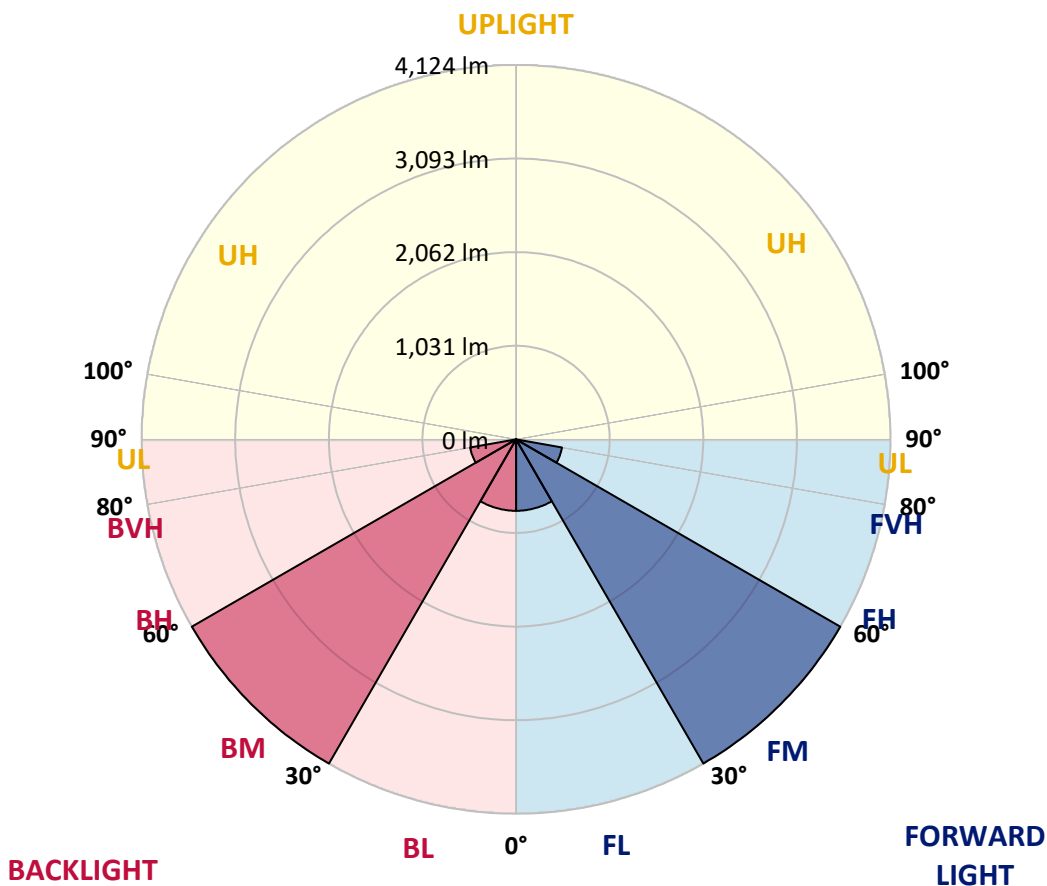
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.6	7.3			
FM (30°-60°)	4123.6	38.0			
FH (60°-80°)	513.4	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	786.6	7.3	B2/1000		
BM (30°-60°)	4123.6	38.0	B3/5000		
BH (60°-80°)	513.4	4.7	B2/1000		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6	1803.6
2.5°	1790.8	1789.6	1794.7	1798.5	1798.5	1807.4	1804.8	1802.3	1799.7	1795.9	1804.8
5°	1788.3	1787.0	1790.8	1793.4	1790.8	1798.5	1793.4	1788.3	1785.7	1780.7	1790.8
7.5°	1776.8	1778.1	1780.7	1783.2	1779.4	1785.7	1779.4	1771.7	1765.4	1760.3	1769.2
10°	1759.0	1760.3	1762.8	1767.9	1769.2	1778.1	1769.2	1755.2	1746.3	1738.6	1747.6
12.5°	1750.1	1751.4	1755.2	1761.6	1762.8	1774.3	1762.8	1742.5	1729.7	1720.8	1729.7
15°	1752.6	1755.2	1760.3	1767.9	1770.5	1781.9	1766.6	1739.9	1722.1	1710.6	1718.3
17.5°	1761.6	1764.1	1771.7	1784.5	1793.4	1804.8	1785.7	1751.4	1727.2	1710.6	1718.3
20°	1773.0	1776.8	1789.6	1809.9	1829.0	1849.4	1825.2	1778.1	1746.3	1725.9	1732.3
22.5°	1804.8	1808.7	1826.5	1853.2	1885.0	1910.5	1881.2	1821.4	1778.1	1751.4	1757.7
25°	1869.7	1873.6	1896.5	1930.8	1971.6	2004.7	1967.8	1892.7	1836.7	1806.1	1808.7
27.5°	1971.6	1975.4	2002.1	2050.5	2105.2	2152.3	2098.9	2011.0	1947.4	1911.7	1911.7
30°	2100.1	2105.2	2140.9	2205.8	2291.0	2353.4	2280.9	2173.9	2092.5	2044.1	2045.4
32.5°	2265.6	2260.5	2311.4	2400.5	2521.4	2604.2	2497.2	2367.4	2266.9	2199.4	2205.8
35°	2478.1	2476.9	2534.1	2655.1	2812.9	2912.2	2784.9	2616.9	2496.0	2427.2	2428.5
37.5°	2751.8	2750.5	2816.7	2947.8	3137.5	3220.2	3077.6	2907.1	2777.3	2711.1	2718.7
40°	3072.5	3064.9	3123.5	3249.5	3439.1	3492.6	3337.3	3199.8	3075.1	3033.1	3053.5
42.5°	3378.0	3361.5	3395.8	3510.4	3656.8	3664.4	3547.3	3453.1	3367.8	3334.7	3347.5
45°	3623.7	3610.9	3642.8	3708.9	3793.0	3754.8	3698.8	3669.5	3600.8	3565.1	3576.6
47.5°	3807.0	3807.0	3845.1	3885.9	3898.6	3828.6	3837.5	3837.5	3768.8	3712.8	3698.8
50°	3964.8	3976.2	4033.5	4075.5	4033.5	3944.4	3995.3	3985.1	3845.1	3733.1	3703.9
52.5°	4216.8	4228.2	4316.1	4373.3	4326.3	4238.4	4244.8	4117.5	3911.3	3779.0	3733.1
55°	4484.1	4512.1	4639.4	4792.1	4793.4	4703.0	4535.0	4309.7	4059.0	3915.1	3868.0
57.5°	4134.1	4172.2	4361.9	4729.7	4995.7	4933.4	4532.4	4136.6	3798.0	3602.0	3575.3
60°	2844.7	2910.9	3100.5	3603.3	4116.2	4140.4	3666.9	3222.7	2834.5	2592.7	2597.8
62.5°	1201.5	1269.0	1375.9	1789.6	2260.5	2289.8	2060.7	1742.5	1425.5	1251.2	1277.9
65°	282.6	301.7	333.5	495.1	717.9	751.0	692.4	539.7	398.4	337.3	343.7
67.5°	123.5	126.0	119.6	127.3	157.8	161.6	156.6	137.5	129.8	132.4	132.4
70°	86.6	87.8	82.7	78.9	75.1	70.0	72.5	80.2	86.6	91.6	90.4
72.5°	53.5	54.7	56.0	56.0	52.2	47.1	49.6	54.7	56.0	57.3	56.0
75°	26.7	28.0	30.5	31.8	30.5	29.3	29.3	30.5	30.5	29.3	29.3
77.5°	5.1	6.4	8.9	10.2	10.2	10.2	10.2	10.2	11.5	10.2	10.2
80°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)