

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: P635318

Luminaire Tested: GWS-SA3D-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635318
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10998.7 lumens
Efficiency: N/A
Efficacy: 91.0 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

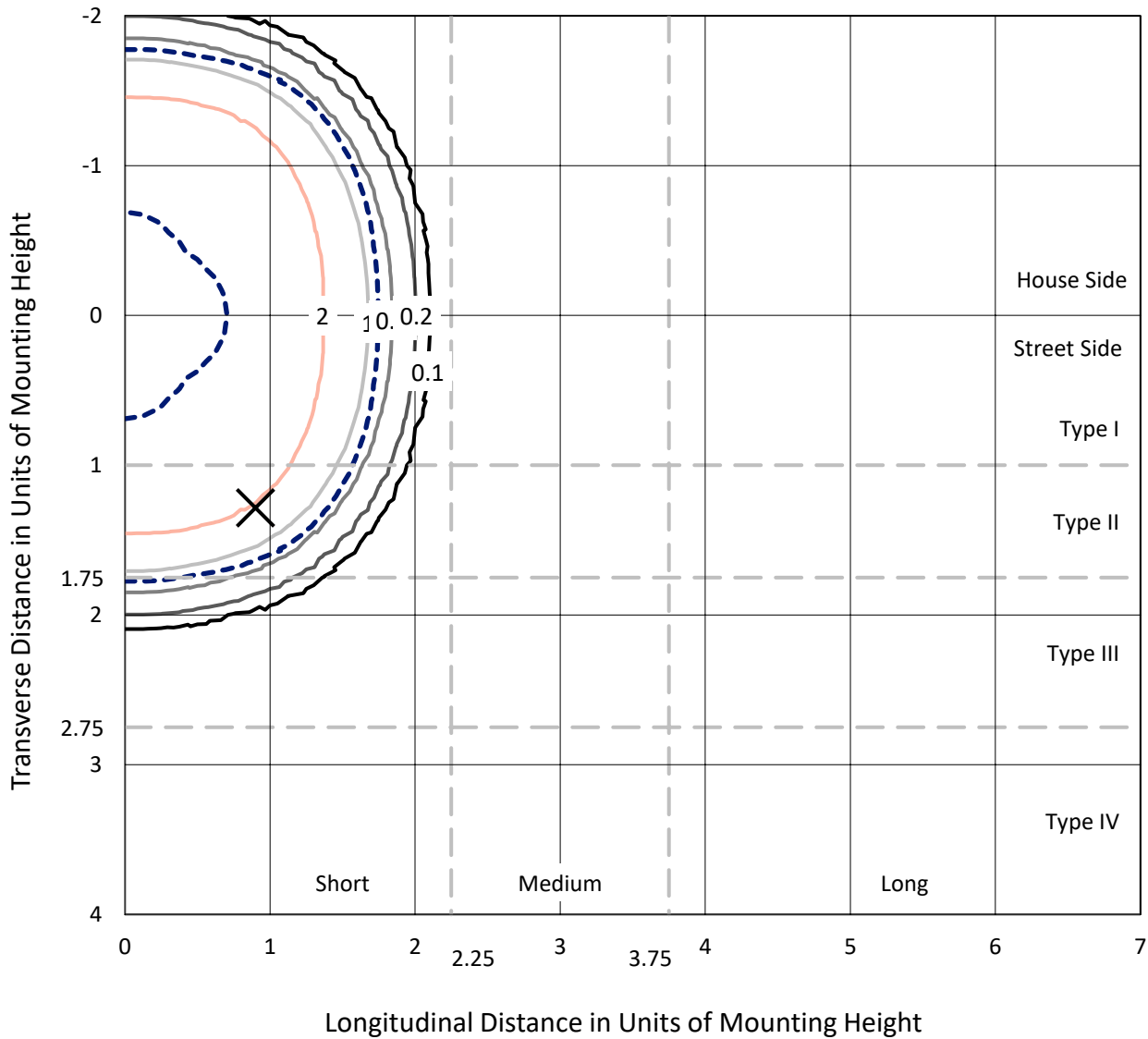
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

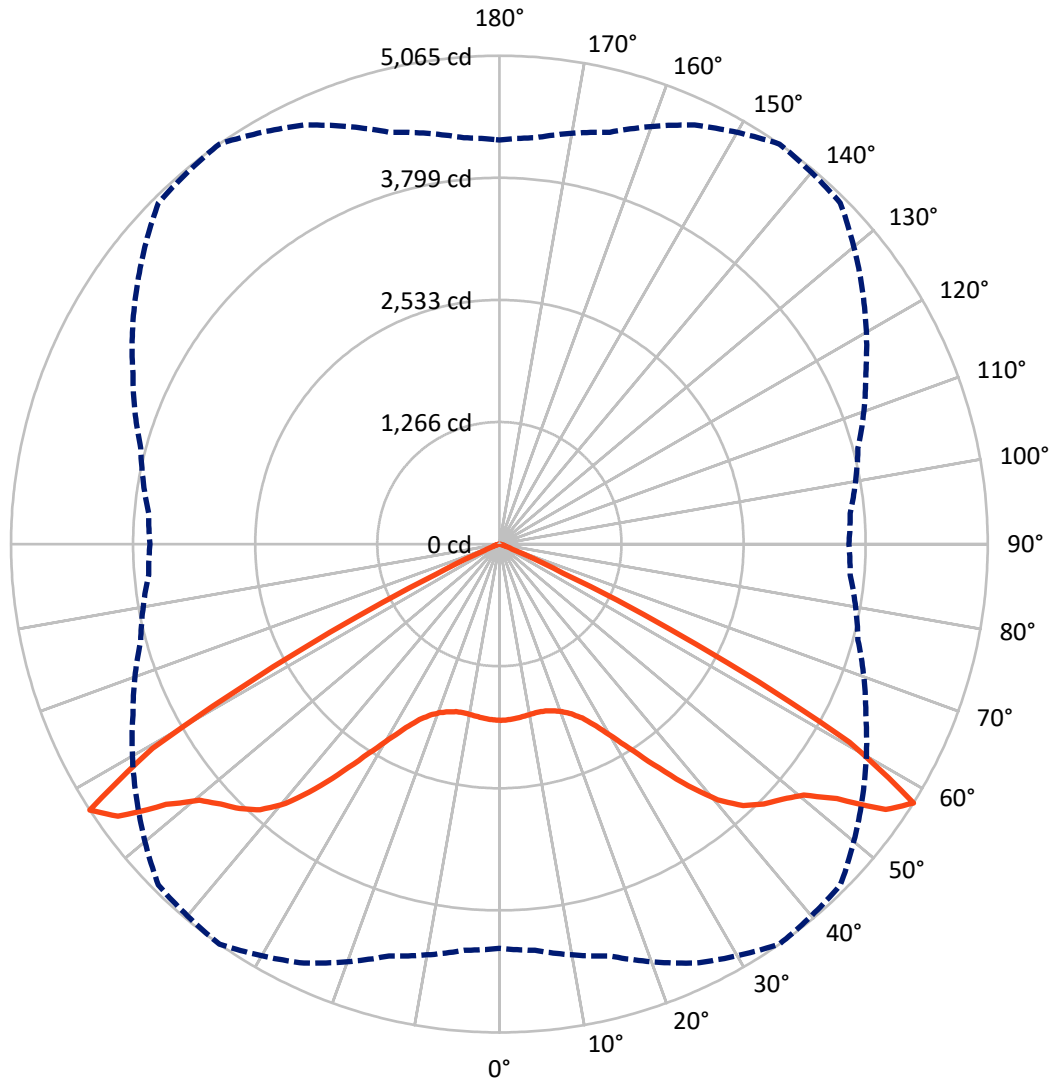
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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	5499.4	0.0	5499.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5499.4	0.0	5499.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10998.7	0.0	10998.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	1.6
10°-20°	506.8	4.6
20°-30°	916.1	8.3
30°-40°	1709.0	15.5
40°-50°	2866.8	26.1
50°-60°	3785.9	34.4
60°-70°	1005.5	9.1
70°-80°	35.7	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°	10998.7	100.0
0°-180°	10998.7	100.0

Coefficient of Utilization



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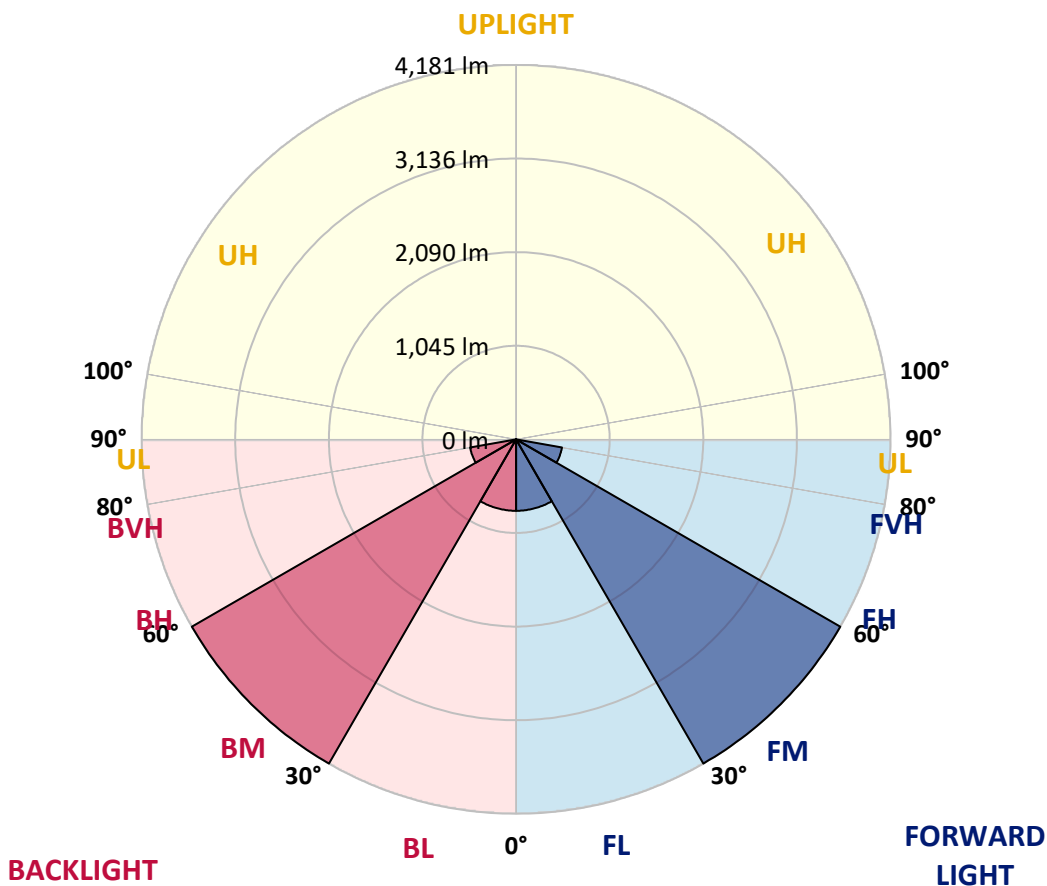
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	797.6	7.3			
FM (30°-60°)	4180.9	38.0			
FH (60°-80°)	520.6	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	797.6	7.3	B2/1000		
BM (30°-60°)	4180.9	38.0	B3/5000		
BH (60°-80°)	520.6	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°	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6
2.5°	1815.7	1814.4	1819.6	1823.5	1823.5	1832.5	1829.9	1827.3	1824.8	1820.9	1829.9
5°	1813.1	1811.9	1815.7	1818.3	1815.7	1823.5	1818.3	1813.1	1810.6	1805.4	1815.7
7.5°	1801.5	1802.8	1805.4	1808.0	1804.1	1810.6	1804.1	1796.4	1789.9	1784.8	1793.8
10°	1783.5	1784.8	1787.3	1792.5	1793.8	1802.8	1793.8	1779.6	1770.6	1762.8	1771.9
12.5°	1774.4	1775.7	1779.6	1786.0	1787.3	1799.0	1787.3	1766.7	1753.8	1744.8	1753.8
15°	1777.0	1779.6	1784.8	1792.5	1795.1	1806.7	1791.2	1764.1	1746.0	1734.4	1742.2
17.5°	1786.0	1788.6	1796.4	1809.3	1818.3	1829.9	1810.6	1775.7	1751.2	1734.4	1742.2
20°	1797.7	1801.5	1814.4	1835.1	1854.4	1875.1	1850.6	1802.8	1770.6	1749.9	1756.4
22.5°	1829.9	1833.8	1851.9	1879.0	1911.2	1937.0	1907.4	1846.7	1802.8	1775.7	1782.2
25°	1895.7	1899.6	1922.8	1957.7	1999.0	2032.5	1995.1	1919.0	1862.2	1831.2	1833.8
27.5°	1999.0	2002.8	2030.0	2079.0	2134.5	2182.2	2128.0	2039.0	1974.5	1938.3	1938.3
30°	2129.3	2134.5	2170.6	2236.4	2322.9	2386.1	2312.6	2204.2	2121.6	2072.5	2073.8
32.5°	2297.1	2291.9	2343.5	2433.9	2556.5	2640.4	2532.0	2400.3	2298.4	2230.0	2236.4
35°	2512.6	2511.3	2569.4	2692.0	2852.0	2952.7	2823.6	2653.3	2530.7	2461.0	2462.3
37.5°	2790.1	2788.8	2855.9	2988.8	3181.1	3265.0	3120.4	2947.5	2815.9	2748.8	2756.5
40°	3115.3	3107.5	3166.9	3294.6	3486.9	3541.1	3383.7	3244.3	3117.8	3075.3	3095.9
42.5°	3425.0	3408.2	3443.0	3559.2	3707.6	3715.3	3596.6	3501.1	3414.7	3381.1	3394.0
45°	3674.0	3661.1	3693.4	3760.5	3845.7	3807.0	3750.2	3720.5	3650.8	3614.7	3626.3
47.5°	3859.9	3859.9	3898.6	3939.9	3952.8	3881.8	3890.8	3890.8	3821.2	3764.4	3750.2
50°	4019.9	4031.5	4089.6	4132.2	4089.6	3999.2	4050.9	4040.5	3898.6	3785.0	3755.3
52.5°	4275.4	4287.0	4376.1	4434.1	4386.4	4297.4	4303.8	4174.8	3965.7	3831.5	3785.0
55°	4546.4	4574.8	4703.9	4858.7	4860.0	4768.4	4598.0	4369.6	4115.4	3969.6	3921.8
57.5°	4191.5	4230.2	4422.5	4795.5	5065.2	5002.0	4595.5	4194.1	3850.8	3652.1	3625.0
60°	2884.3	2951.4	3143.6	3653.4	4173.5	4198.0	3717.9	3267.5	2873.9	2628.7	2633.9
62.5°	1218.2	1286.6	1395.0	1814.4	2291.9	2321.6	2089.3	1766.7	1445.4	1268.6	1295.7
65°	286.5	305.8	338.1	502.0	727.8	761.4	702.0	547.2	403.9	342.0	348.4
67.5°	125.2	127.8	121.3	129.0	160.0	163.9	158.7	139.4	131.6	134.2	134.2
70°	87.8	89.0	83.9	80.0	76.1	71.0	73.6	81.3	87.8	92.9	91.6
72.5°	54.2	55.5	56.8	56.8	52.9	47.7	50.3	55.5	56.8	58.1	56.8
75°	27.1	28.4	31.0	32.3	31.0	29.7	29.7	31.0	31.0	29.7	29.7
77.5°	5.2	6.5	9.0	10.3	10.3	10.3	10.3	10.3	11.6	10.3	10.3
80°	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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)