

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: P635155

Luminaire Tested: GWS-SA3D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16595.5 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

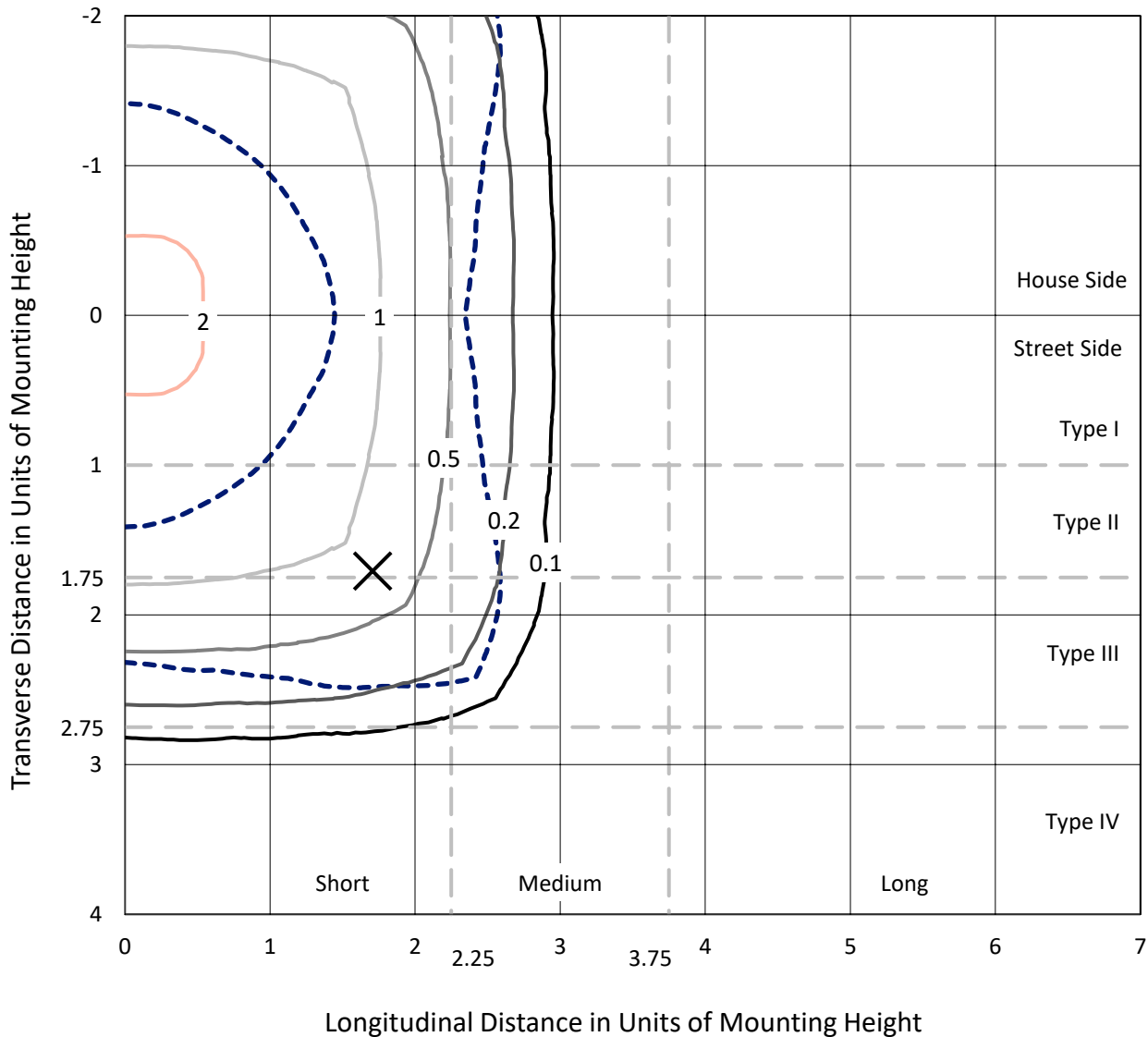
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

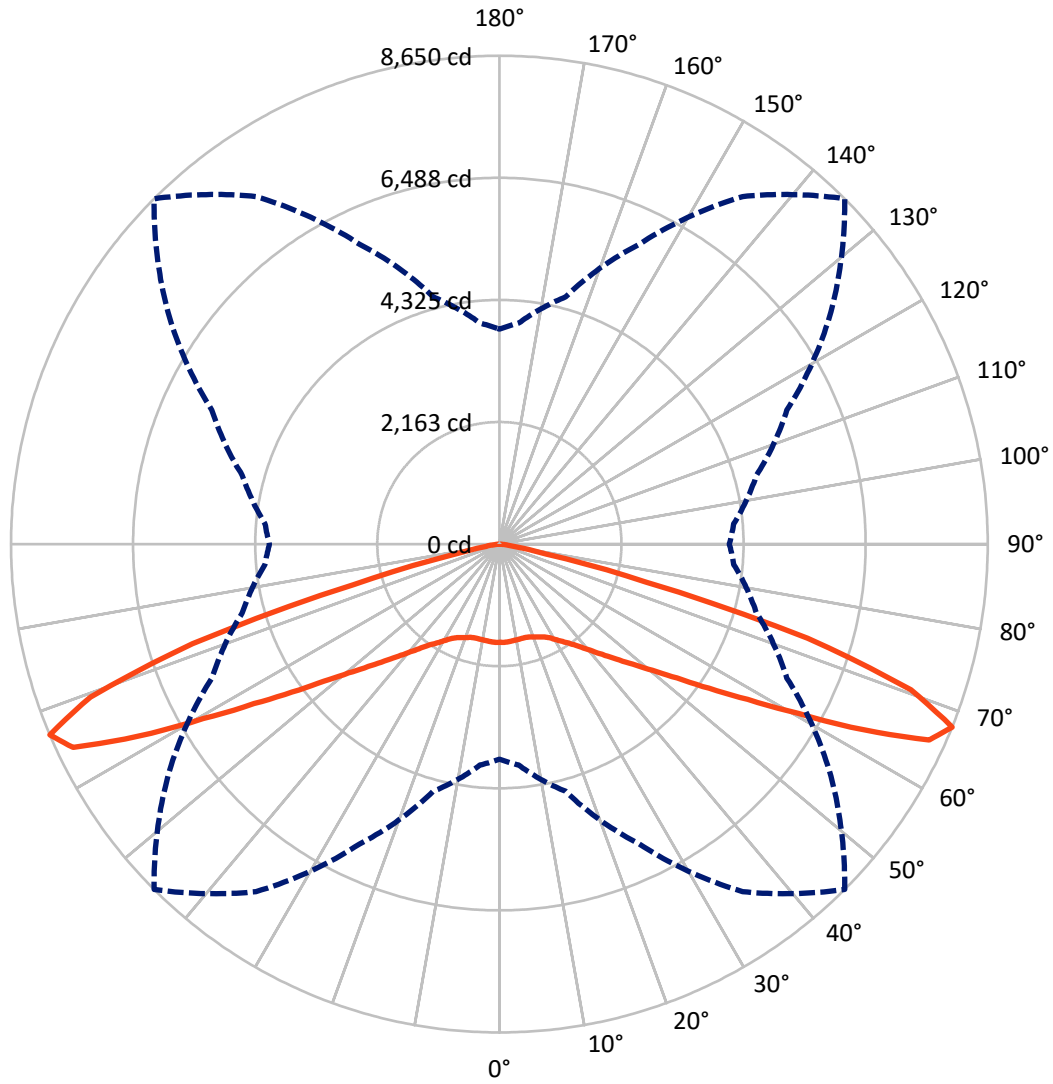
✕ Max cd
 - - - 1/2 Max cd



Based on 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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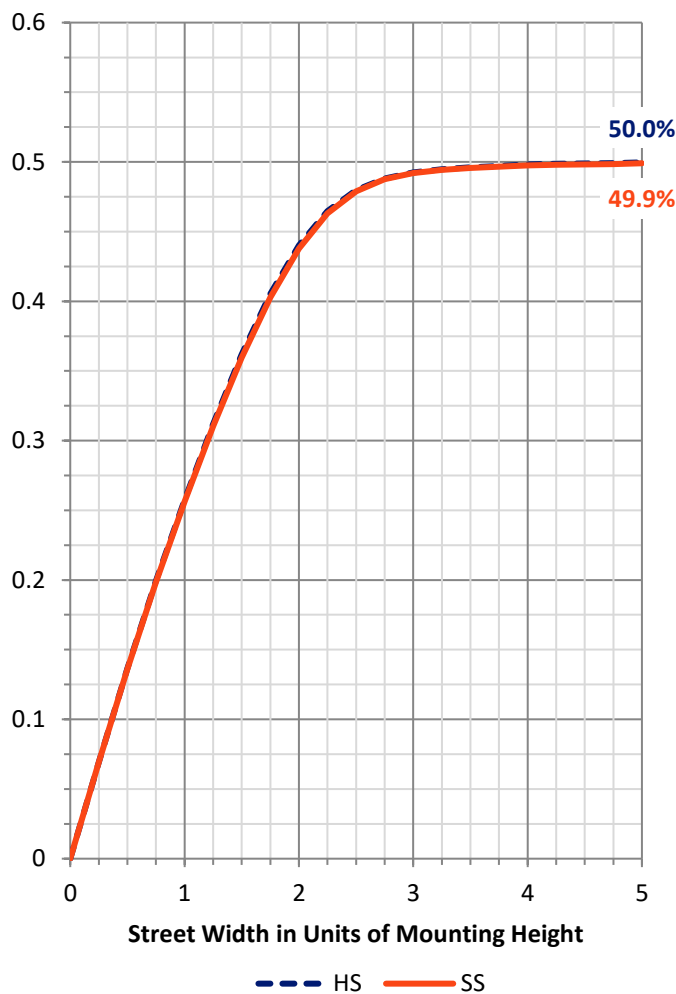
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8297.7	0.0	8297.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8297.7	0.0	8297.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16595.5	0.0	16595.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	1.0
10°-20°	483.2	2.9
20°-30°	833.3	5.0
30°-40°	1355.0	8.2
40°-50°	2281.6	13.7
50°-60°	4042.5	24.4
60°-70°	5778.5	34.8
70°-80°	1585.9	9.6
80°-90°	71.1	0.4
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°	16595.5	100.0
0°-180°	16595.5	100.0

Coefficient of Utilization

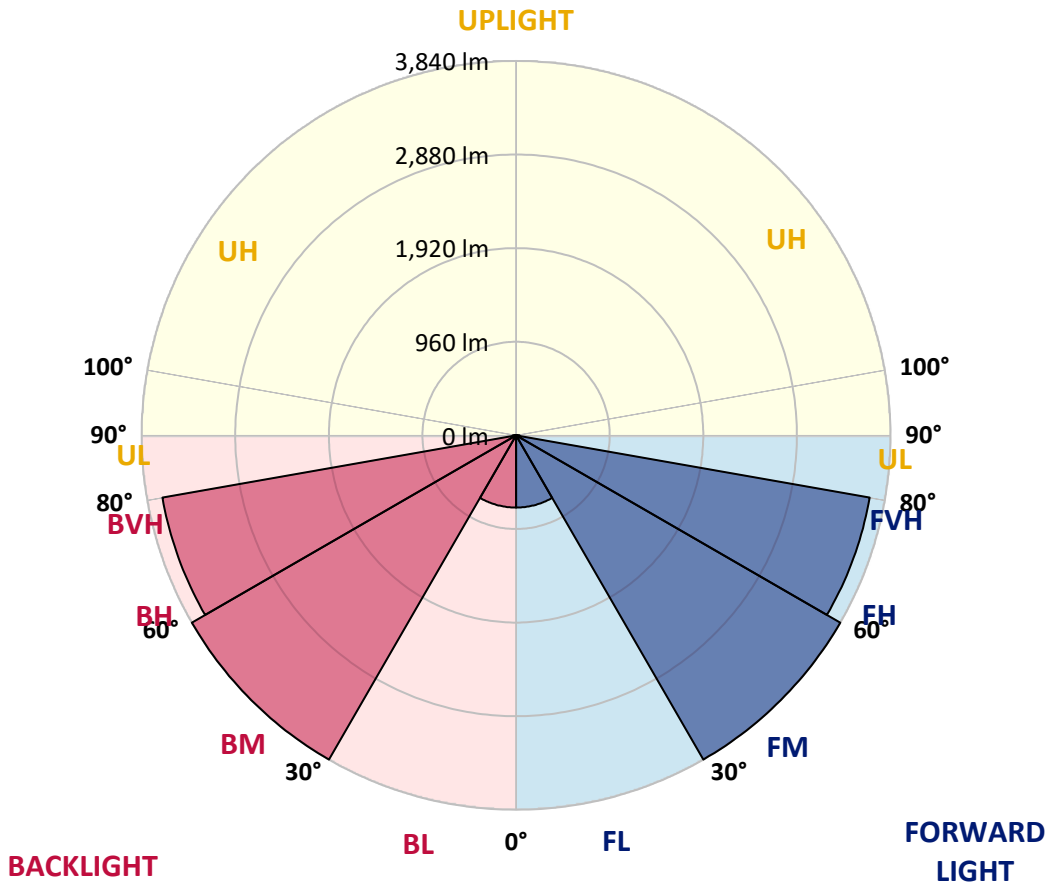


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.5	4.5			
FM (30°-60°)	3839.5	23.1			
FH (60°-80°)	3682.2	22.2			G2/5000
FVH (80°-90°)	35.5	0.2			G1/100
BL (0°-30°)	740.5	4.5	B2/1000		
BM (30°-60°)	3839.5	23.1	B3/5000		
BH (60°-80°)	3682.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	35.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1	1738.1
2.5°	1726.6	1725.4	1731.2	1734.6	1733.5	1741.5	1740.4	1738.1	1738.1	1734.6	1743.8
5°	1726.6	1725.4	1730.0	1731.2	1728.9	1735.8	1733.5	1731.2	1731.2	1726.6	1734.6
7.5°	1717.4	1718.6	1722.0	1724.3	1722.0	1727.7	1724.3	1719.7	1718.6	1714.0	1722.0
10°	1700.2	1701.3	1704.8	1710.5	1711.7	1722.0	1716.3	1708.2	1704.8	1700.2	1708.2
12.5°	1689.8	1691.0	1694.4	1701.3	1703.6	1717.4	1711.7	1699.0	1693.3	1688.7	1696.7
15°	1687.5	1688.7	1693.3	1700.2	1703.6	1717.4	1711.7	1696.7	1688.7	1682.9	1689.8
17.5°	1687.5	1689.8	1696.7	1707.1	1714.0	1727.7	1720.9	1703.6	1692.1	1681.8	1688.7
20°	1688.7	1692.1	1702.5	1717.4	1734.6	1754.2	1745.0	1722.0	1705.9	1693.3	1697.9
22.5°	1699.0	1704.8	1717.4	1736.9	1762.2	1785.2	1777.1	1746.1	1723.2	1705.9	1710.5
25°	1734.6	1736.9	1753.0	1778.3	1802.4	1821.9	1813.9	1785.2	1756.5	1735.8	1741.5
27.5°	1797.8	1803.6	1817.4	1843.8	1864.5	1874.8	1873.6	1854.1	1825.4	1807.0	1811.6
30°	1873.6	1879.4	1897.8	1927.6	1948.3	1959.8	1956.4	1941.4	1915.0	1889.7	1894.3
32.5°	1962.1	1964.4	1986.2	2019.5	2041.4	2058.6	2047.1	2031.0	1997.7	1967.8	1970.1
35°	2074.7	2078.1	2101.1	2132.1	2149.3	2163.1	2160.8	2144.8	2109.1	2077.0	2085.0
37.5°	2216.0	2218.3	2238.9	2278.0	2291.8	2302.1	2304.4	2296.4	2259.6	2218.3	2226.3
40°	2391.7	2392.9	2415.9	2450.3	2465.3	2472.1	2473.3	2474.4	2436.5	2405.5	2403.2
42.5°	2596.2	2602.0	2634.1	2667.4	2674.3	2670.9	2682.4	2693.9	2657.1	2614.6	2618.0
45°	2840.9	2844.3	2888.0	2924.8	2912.1	2900.6	2922.5	2945.4	2912.1	2857.0	2840.9
47.5°	3130.4	3137.3	3184.4	3221.1	3200.5	3179.8	3215.4	3239.5	3185.5	3126.9	3112.0
50°	3457.8	3462.4	3529.0	3575.0	3550.8	3512.9	3557.7	3583.0	3510.6	3438.3	3406.1
52.5°	3844.9	3835.7	3924.2	4004.6	3989.7	3940.3	3977.0	3981.6	3873.6	3771.4	3739.2
55°	4317.1	4307.9	4396.3	4484.8	4521.6	4508.9	4491.7	4464.1	4304.4	4195.3	4165.4
57.5°	4867.3	4838.6	4962.7	5082.2	5162.6	5185.5	5112.0	5047.7	4921.3	4786.9	4752.5
60°	5378.5	5377.4	5573.8	5780.6	6001.2	6093.1	5907.0	5732.4	5448.6	5203.9	5154.5
62.5°	5522.1	5546.3	5867.9	6380.3	6924.8	7249.9	6759.4	6181.5	5633.6	5264.8	5199.3
65°	5168.3	5228.0	5685.3	6494.0	7569.2	8364.2	7256.8	6191.9	5427.9	4968.4	4899.5
67.5°	3809.3	3928.8	4534.2	5859.9	7514.1	8650.2	7168.3	5618.6	4714.5	4167.7	4072.4
70°	1879.4	1993.1	2473.3	3855.3	6182.7	7732.4	6202.2	4234.4	3184.4	2658.2	2570.9
72.5°	691.6	737.5	925.9	1649.6	3411.8	5711.7	4241.3	2365.3	1542.8	1228.0	1169.4
75°	338.9	346.9	375.6	553.7	1259.0	2688.1	1993.1	907.5	567.5	494.0	477.9
77.5°	216.0	219.4	233.2	264.2	404.4	846.6	604.3	358.4	278.0	266.5	266.5
80°	120.6	124.1	142.4	164.3	189.5	290.6	217.1	214.8	182.7	159.7	156.2
82.5°	57.4	63.2	90.8	89.6	99.9	145.9	127.5	116.0	117.2	88.5	83.9
85°	26.4	26.4	35.6	42.5	44.8	49.4	58.6	66.6	65.5	44.8	48.2
87.5°	12.6	12.6	12.6	11.5	10.3	9.2	12.6	20.7	29.9	20.7	19.5
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)