

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: P635046

Luminaire Tested: GWS-SA3D-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121.6 lumens
Efficiency: N/A
Efficacy: 75.5 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

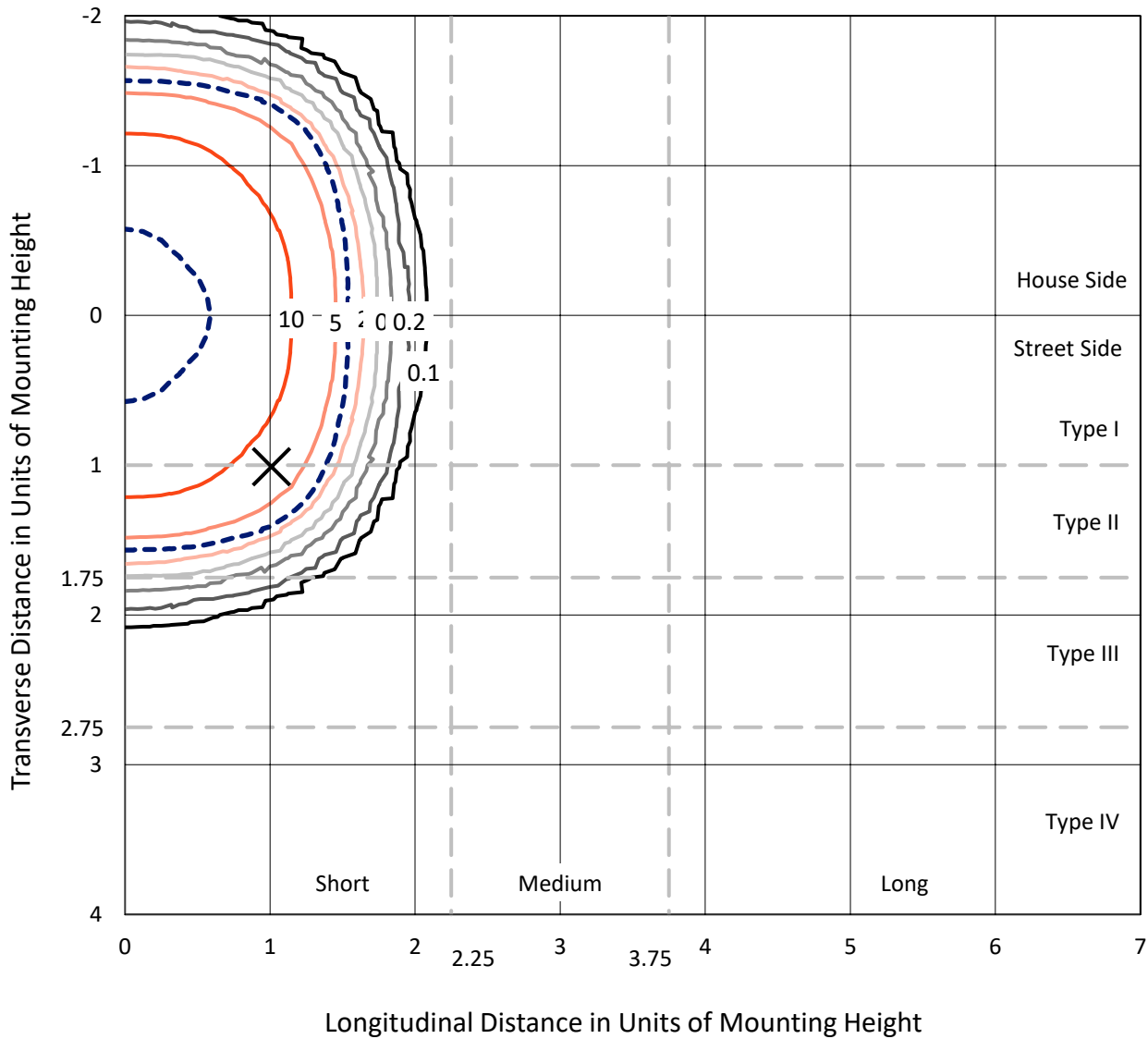
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

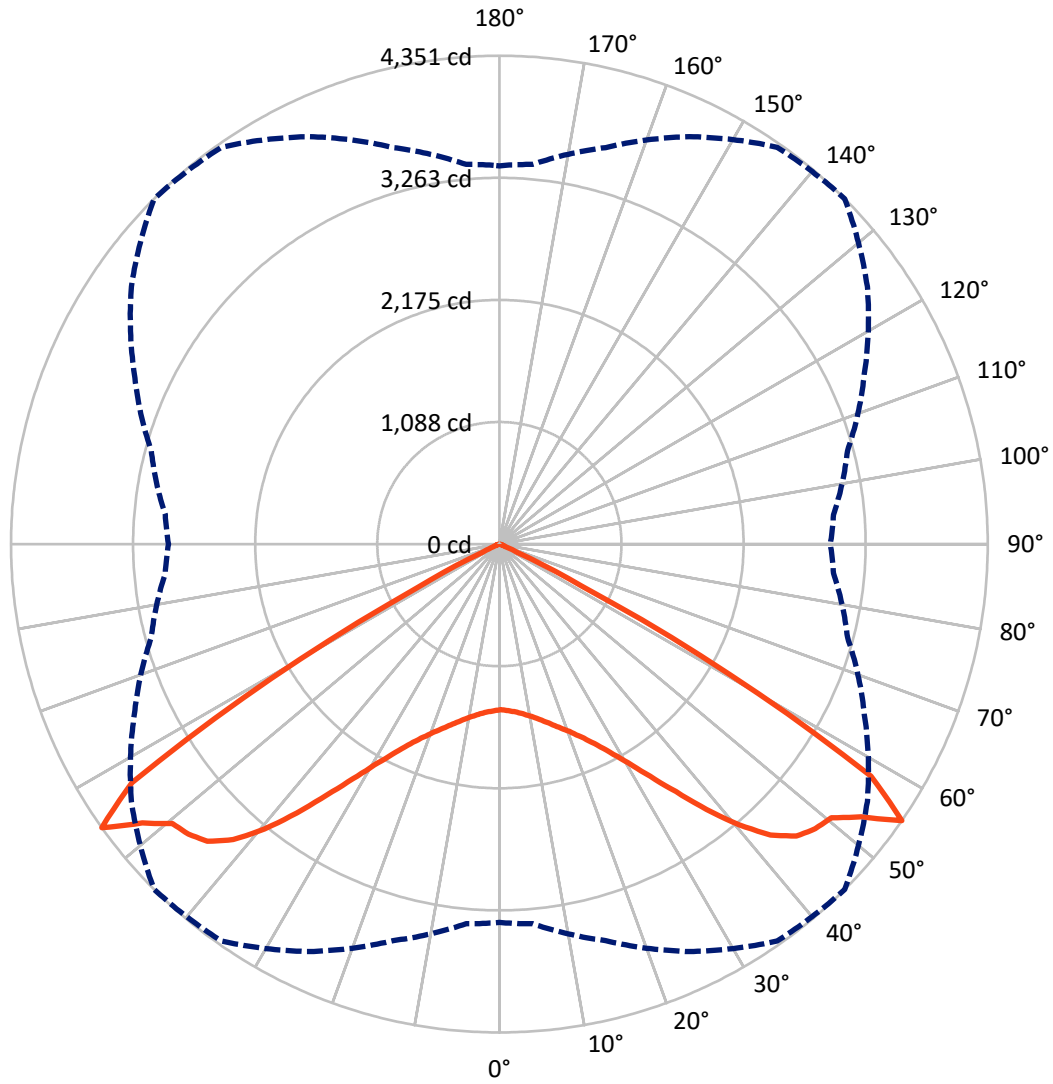
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4560.8	0.0	4560.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4560.8	0.0	4560.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9121.6	0.0	9121.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	1.6
10°-20°	468.4	5.1
20°-30°	907.1	9.9
30°-40°	1625.1	17.8
40°-50°	2724.6	29.9
50°-60°	2916.6	32.0
60°-70°	320.5	3.5
70°-80°	14.1	0.2
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°	9121.6	100.0
0°-180°	9121.6	100.0

Coefficient of Utilization



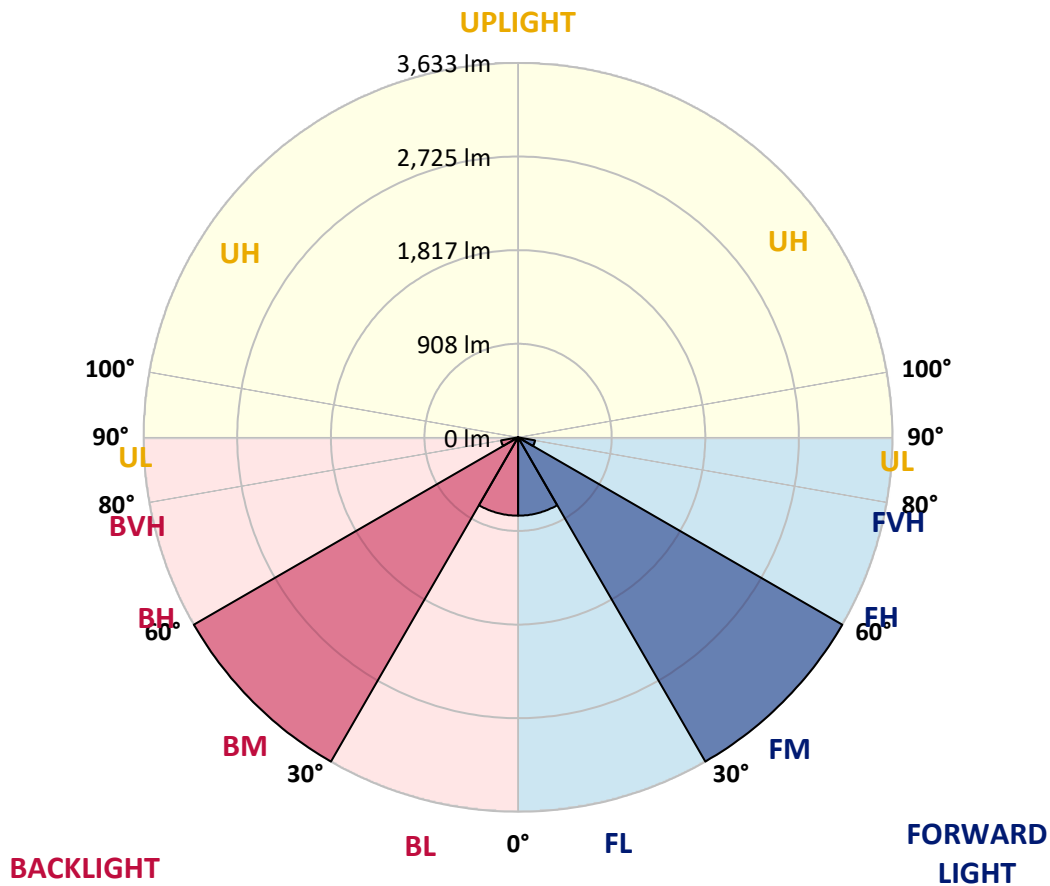
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.0	8.3			
FM (30°-60°)	3633.2	39.8			
FH (60°-80°)	167.3	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	760.0	8.3	B2/1000		
BM (30°-60°)	3633.2	39.8	B3/5000		
BH (60°-80°)	167.3	1.8	B1/500		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°	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8	1474.8
2.5°	1472.0	1472.0	1475.7	1478.5	1478.5	1485.9	1483.2	1480.4	1480.4	1476.6	1484.1
5°	1493.4	1492.4	1496.2	1498.0	1494.3	1501.7	1497.1	1494.3	1492.4	1488.7	1496.2
7.5°	1516.6	1517.5	1518.5	1522.2	1520.3	1527.8	1524.0	1518.5	1516.6	1511.0	1518.5
10°	1544.5	1544.5	1546.3	1551.0	1551.9	1561.2	1557.5	1551.0	1545.4	1539.8	1547.3
12.5°	1579.8	1580.7	1583.5	1590.0	1593.7	1604.0	1598.4	1585.4	1577.0	1570.5	1578.9
15°	1630.9	1630.0	1633.7	1643.0	1647.6	1655.1	1646.7	1629.0	1618.8	1611.4	1617.0
17.5°	1686.7	1686.7	1688.5	1697.8	1704.3	1715.5	1705.3	1683.9	1674.6	1664.4	1669.9
20°	1748.0	1750.8	1752.6	1759.2	1770.3	1781.5	1773.1	1751.7	1741.5	1728.5	1735.0
22.5°	1828.8	1826.1	1827.0	1838.1	1853.9	1865.1	1858.6	1833.5	1815.8	1805.6	1809.3
25°	1919.0	1918.1	1920.8	1937.6	1955.2	1967.3	1958.0	1925.5	1907.8	1890.2	1897.6
27.5°	2029.6	2030.5	2032.4	2052.8	2080.7	2098.3	2075.1	2042.6	2018.4	1995.2	2000.8
30°	2160.6	2158.7	2164.3	2192.2	2233.1	2261.0	2234.0	2188.5	2154.1	2131.8	2134.6
32.5°	2300.0	2301.9	2316.7	2361.3	2415.2	2464.5	2409.7	2349.3	2304.6	2262.8	2268.4
35°	2450.5	2455.2	2488.6	2554.6	2642.9	2708.9	2632.7	2533.3	2470.1	2416.2	2418.0
37.5°	2628.0	2639.2	2685.7	2784.2	2910.5	2998.8	2887.3	2755.4	2673.6	2606.7	2602.0
40°	2861.3	2874.3	2937.5	3054.6	3207.9	3288.8	3159.6	3023.9	2922.6	2850.1	2839.0
42.5°	3128.9	3145.7	3214.4	3334.3	3487.6	3542.5	3416.1	3301.8	3210.7	3125.2	3121.5
45°	3430.9	3440.2	3496.0	3588.0	3698.6	3711.6	3616.8	3553.6	3461.6	3381.7	3375.2
47.5°	3714.4	3723.7	3761.8	3809.2	3835.2	3788.7	3772.0	3744.1	3625.2	3526.7	3506.2
50°	3930.0	3937.4	3984.8	4003.4	3930.9	3832.4	3864.9	3805.5	3676.3	3565.7	3534.1
52.5°	3915.1	3933.7	4055.4	4161.4	4115.8	4035.9	3948.6	3820.3	3619.6	3468.1	3429.1
55°	3370.5	3395.6	3656.8	4005.2	4316.6	4350.9	4001.5	3588.0	3210.7	2988.6	2948.6
57.5°	2166.2	2172.7	2491.4	2980.2	3681.9	3903.0	3318.5	2705.2	2235.9	1991.5	1974.7
60°	796.4	783.4	1024.1	1429.3	2120.6	2354.8	1953.4	1367.9	975.8	802.9	789.0
62.5°	191.4	193.3	239.8	359.6	665.4	823.4	650.5	363.4	231.4	194.2	192.4
65°	96.6	94.8	95.7	103.2	142.2	170.1	139.4	98.5	94.8	95.7	94.8
67.5°	62.3	61.3	63.2	64.1	63.2	59.5	58.5	60.4	60.4	61.3	59.5
70°	38.1	37.2	39.0	41.8	40.0	35.3	37.2	39.0	37.2	36.2	36.2
72.5°	20.4	20.4	22.3	24.2	22.3	20.4	20.4	21.4	20.4	20.4	20.4
75°	9.3	9.3	10.2	11.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3
77.5°	2.8	2.8	3.7	3.7	2.8	2.8	2.8	2.8	3.7	3.7	3.7
80°	0.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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)