

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: P632903

Luminaire Tested: GWS-SA2D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12312.4 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

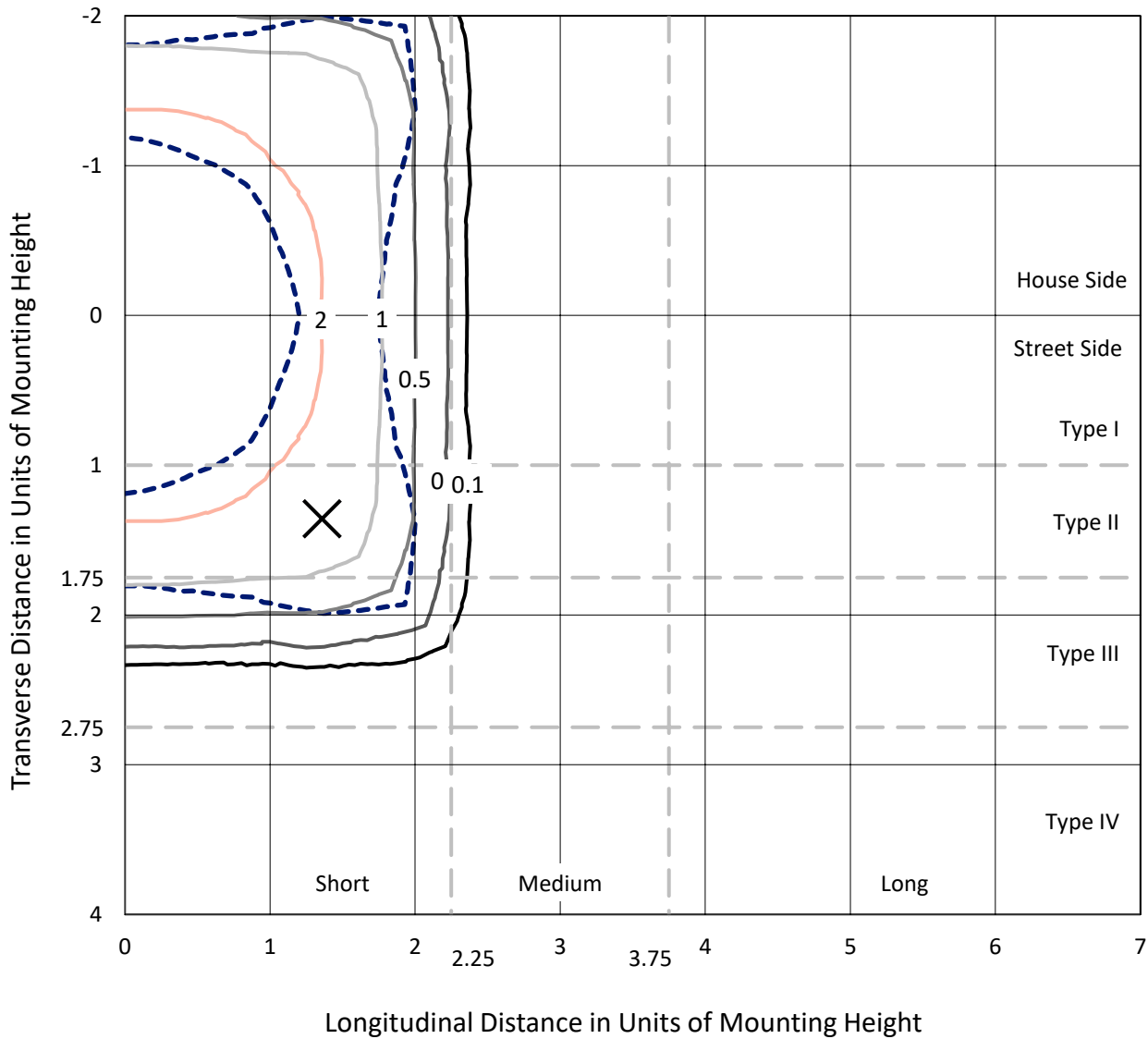
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

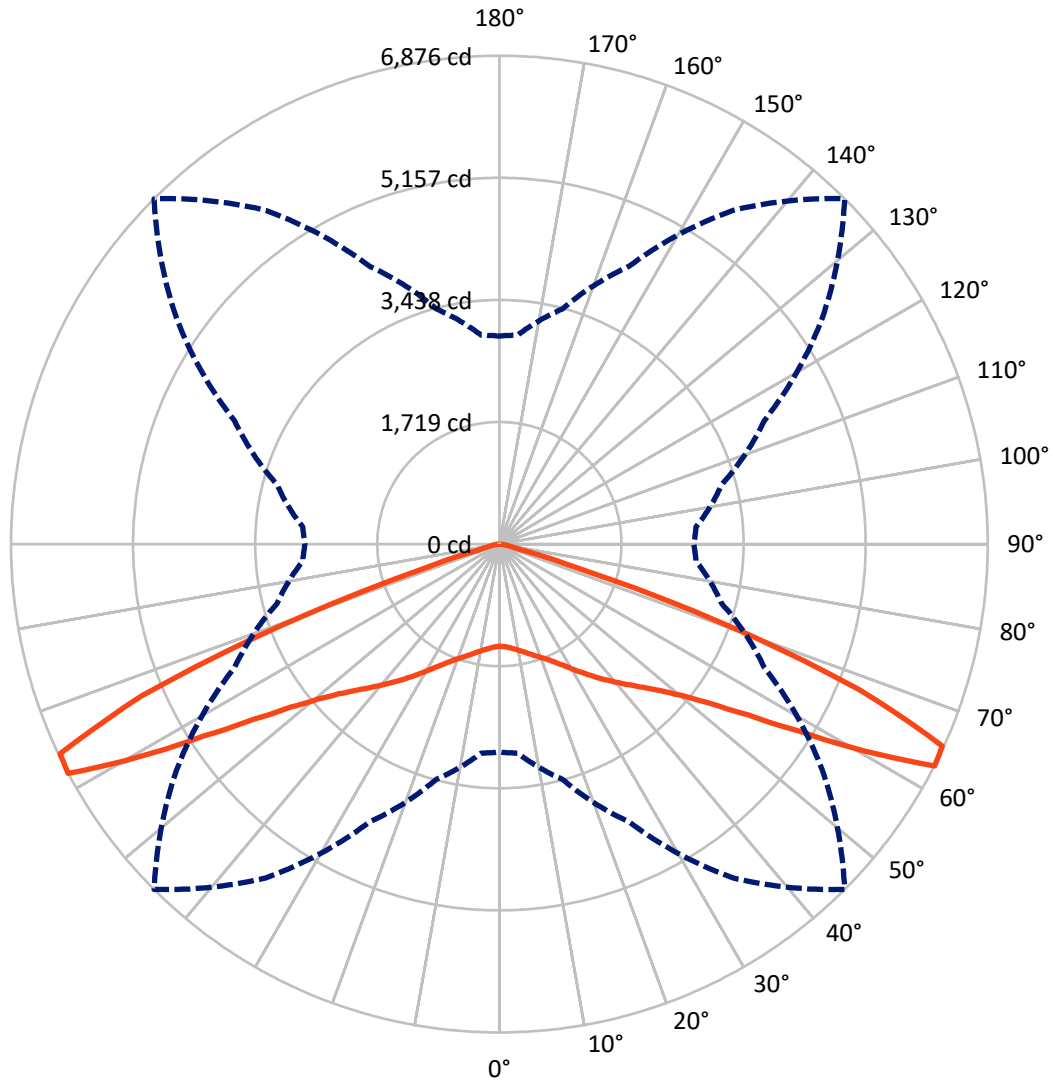
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6156.2	0.0	6156.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6156.2	0.0	6156.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12312.4	0.0	12312.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	1.1
10°-20°	454.5	3.7
20°-30°	859.8	7.0
30°-40°	1447.2	11.8
40°-50°	2312.2	18.8
50°-60°	3727.2	30.3
60°-70°	3040.9	24.7
70°-80°	295.3	2.4
80°-90°	34.4	0.3
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°	12312.4	100.0
0°-180°	12312.4	100.0

Coefficient of Utilization



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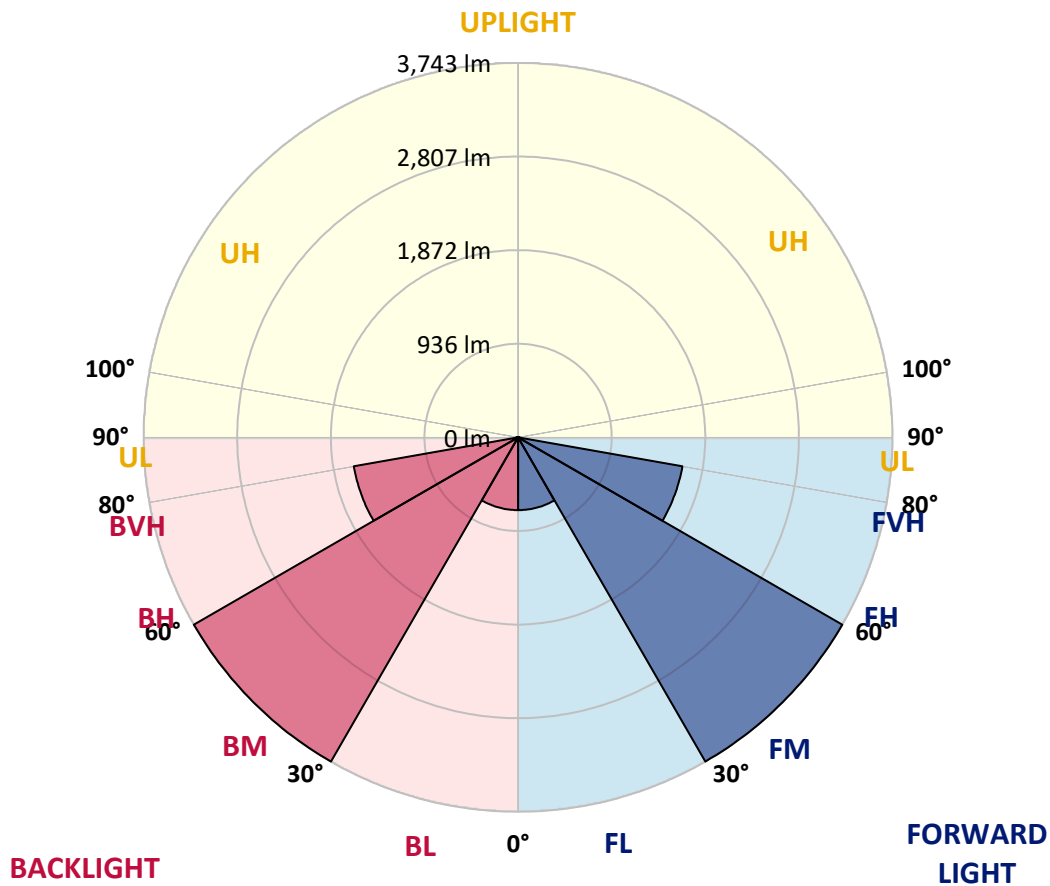
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.6	5.9			
FM (30°-60°)	3743.3	30.4			
FH (60°-80°)	1668.1	13.5			G1/1800
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	727.6	5.9	B2/1000		
BM (30°-60°)	3743.3	30.4	B3/5000		
BH (60°-80°)	1668.1	13.5	B3/2500		G1/1800
BVH (80°-90°)	17.2	0.1			G1/100
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°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1434.7	1434.7	1438.1	1440.6	1438.9	1445.7	1444.9	1443.2	1442.3	1439.8	1447.4
5°	1454.1	1454.1	1456.7	1459.2	1455.0	1463.4	1460.1	1458.4	1457.5	1454.1	1460.9
7.5°	1476.1	1478.6	1479.5	1483.7	1481.2	1490.5	1487.9	1484.5	1482.9	1478.6	1484.5
10°	1500.6	1502.3	1503.1	1510.7	1511.6	1522.5	1520.0	1515.8	1512.4	1508.2	1516.6
12.5°	1533.5	1534.4	1536.9	1546.2	1548.7	1557.2	1556.3	1550.4	1546.2	1540.3	1549.6
15°	1575.7	1576.6	1580.8	1590.1	1594.3	1604.5	1601.1	1591.8	1585.9	1579.1	1586.7
17.5°	1619.7	1623.0	1627.3	1636.5	1642.5	1654.3	1650.1	1639.9	1634.9	1628.1	1633.2
20°	1676.2	1677.1	1679.6	1689.7	1694.0	1707.5	1708.3	1698.2	1695.7	1688.9	1696.5
22.5°	1738.7	1739.6	1742.1	1753.1	1760.7	1769.1	1774.2	1768.3	1764.1	1755.6	1764.9
25°	1808.0	1816.4	1818.9	1832.5	1840.9	1846.0	1851.9	1849.3	1843.4	1833.3	1837.5
27.5°	1905.1	1906.8	1911.0	1926.2	1931.3	1936.3	1942.2	1943.1	1934.6	1922.8	1928.7
30°	2015.7	2014.9	2024.1	2036.0	2040.2	2044.4	2052.9	2057.9	2046.9	2034.3	2040.2
32.5°	2128.9	2139.0	2150.8	2161.8	2159.3	2160.9	2174.5	2183.7	2168.5	2145.7	2150.8
35°	2256.4	2263.1	2278.3	2294.4	2291.0	2288.5	2296.9	2306.2	2285.1	2255.5	2263.1
37.5°	2387.3	2397.4	2420.2	2439.6	2434.5	2422.7	2432.0	2442.1	2421.9	2388.1	2384.7
40°	2533.3	2549.4	2582.3	2598.4	2584.9	2562.1	2578.1	2602.6	2582.3	2543.5	2534.2
42.5°	2704.8	2724.2	2757.1	2781.6	2752.1	2714.9	2741.9	2777.4	2772.3	2720.8	2704.8
45°	2916.7	2929.4	2969.9	2981.7	2937.8	2886.3	2935.3	2989.3	2976.7	2920.9	2899.8
47.5°	3147.3	3166.7	3202.2	3224.1	3153.2	3089.0	3157.4	3230.0	3216.5	3164.1	3139.7
50°	3441.1	3466.5	3512.9	3531.5	3433.5	3360.1	3447.9	3539.9	3513.8	3443.7	3411.6
52.5°	3761.2	3781.4	3860.8	3898.0	3805.9	3726.6	3803.4	3893.8	3838.0	3745.1	3702.1
55°	4043.2	4063.5	4180.0	4303.3	4299.1	4244.2	4283.0	4284.7	4133.6	3979.9	3934.3
57.5°	4104.0	4124.3	4346.4	4669.0	4897.0	4960.3	4846.3	4606.5	4225.6	3956.2	3904.7
60°	3779.8	3802.6	4155.5	4745.0	5494.8	5917.9	5392.7	4599.7	3941.0	3576.2	3527.3
62.5°	2928.5	2953.0	3427.6	4312.6	5736.3	6876.3	5551.4	4115.8	3241.8	2779.9	2736.9
65°	1398.4	1398.4	2001.3	3093.2	5255.0	6853.5	5092.0	3045.1	1951.5	1498.9	1461.7
67.5°	346.2	347.9	515.1	1204.2	3574.6	5469.5	3632.8	1461.7	687.4	486.4	473.7
70°	216.2	215.3	239.0	326.0	1250.6	3319.5	1485.4	440.8	279.5	246.6	244.9
72.5°	168.0	168.0	179.9	208.6	327.6	1130.7	433.2	244.9	202.7	182.4	182.4
75°	132.6	132.6	141.0	156.2	193.4	291.3	230.5	181.6	157.1	143.6	141.9
77.5°	98.8	100.5	107.2	117.4	131.7	163.8	146.1	136.8	122.4	112.3	108.9
80°	64.2	66.7	75.2	81.1	86.1	108.1	95.4	99.6	92.9	81.1	79.4
82.5°	34.6	35.5	45.6	47.3	49.0	59.1	60.8	63.3	65.9	51.5	48.1
85°	12.7	12.7	15.2	17.7	19.4	21.1	28.7	35.5	37.2	29.6	28.7
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	5.1	9.3	15.2	11.8	11.8
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)