

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: P635375

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635375
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18386.6 lumens
Efficiency: N/A
Efficacy: 152.2 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

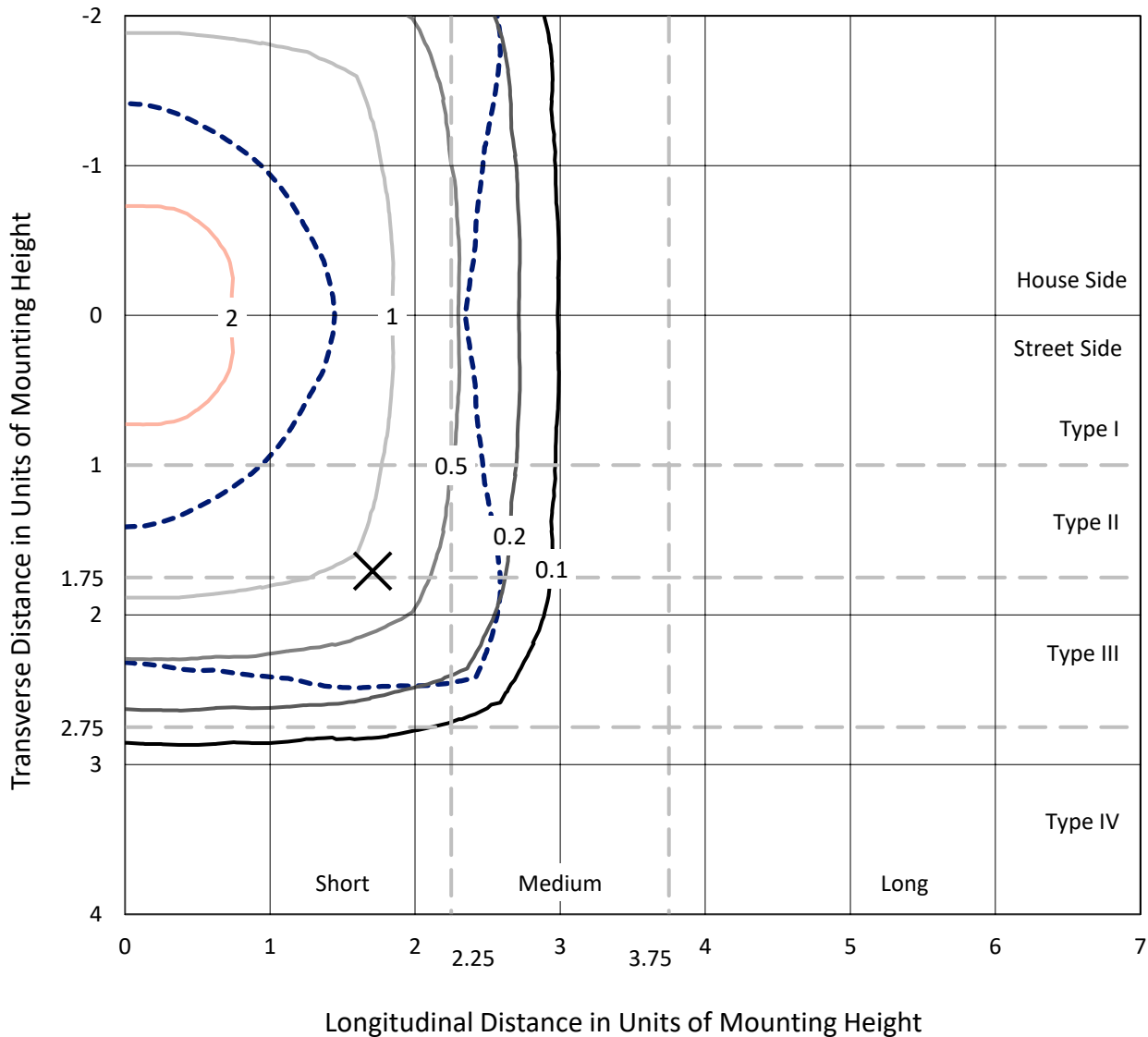
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

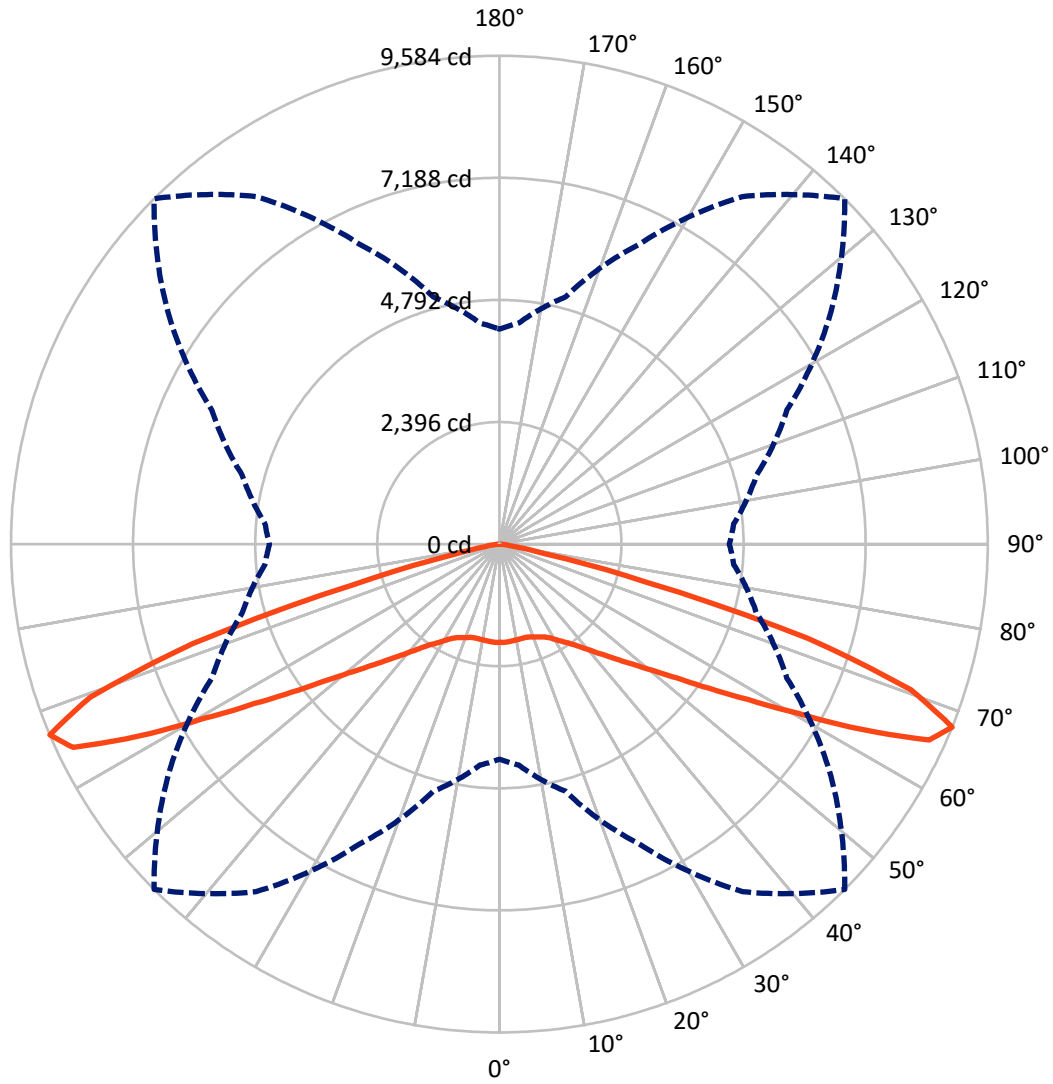
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	9193.3	0.0	9193.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9193.3	0.0	9193.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	18386.6	0.0	18386.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	1.0
10°-20°	535.3	2.9
20°-30°	923.3	5.0
30°-40°	1501.2	8.2
40°-50°	2527.8	13.7
50°-60°	4478.8	24.4
60°-70°	6402.1	34.8
70°-80°	1757.1	9.6
80°-90°	78.7	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°	18386.6	100.0
0°-180°	18386.6	100.0

Coefficient of Utilization



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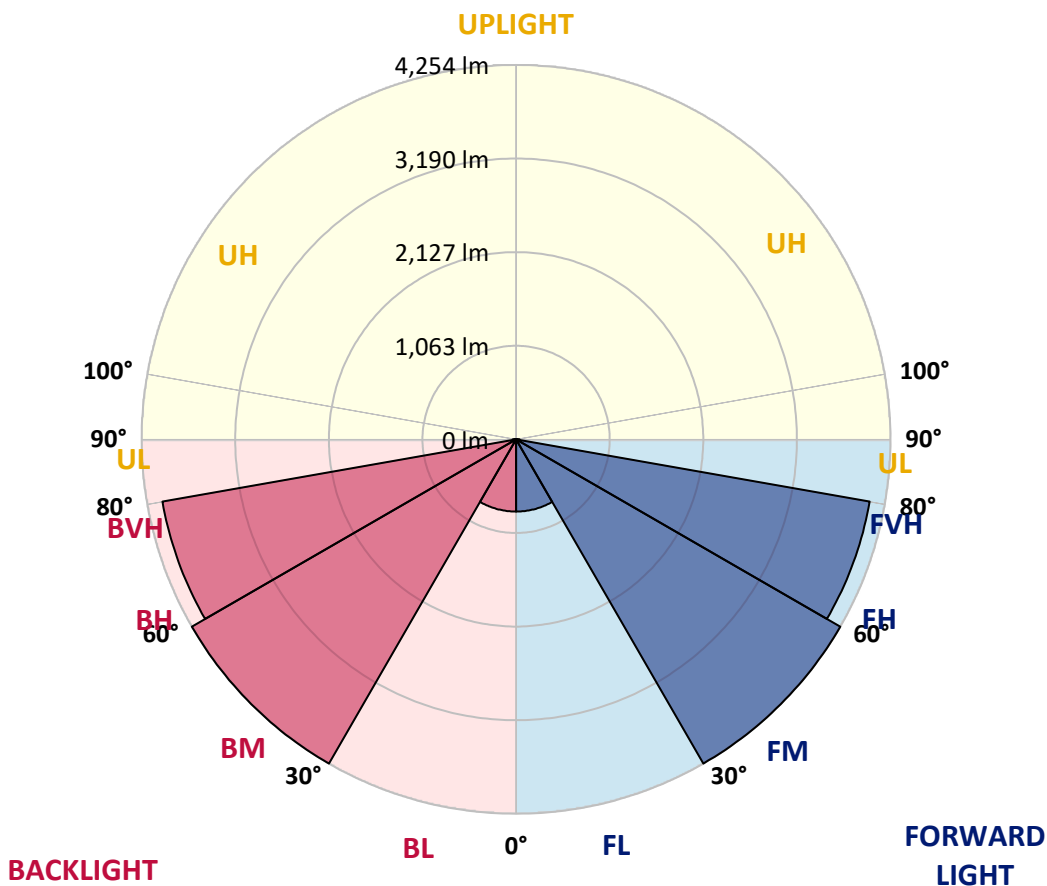
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.4	4.5			
FM (30°-60°)	4253.9	23.1			
FH (60°-80°)	4079.6	22.2			G2/5000
FVH (80°-90°)	39.4	0.2			G1/100
BL (0°-30°)	820.4	4.5	B2/1000		
BM (30°-60°)	4253.9	23.1	B3/5000		
BH (60°-80°)	4079.6	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.4	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°	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7	1925.7
2.5°	1912.9	1911.7	1918.0	1921.9	1920.6	1929.5	1928.2	1925.7	1925.7	1921.9	1932.0
5°	1912.9	1911.7	1916.8	1918.0	1915.5	1923.1	1920.6	1918.0	1918.0	1912.9	1921.9
7.5°	1902.8	1904.0	1907.9	1910.4	1907.9	1914.2	1910.4	1905.3	1904.0	1898.9	1907.9
10°	1883.7	1884.9	1888.8	1895.1	1896.4	1907.9	1901.5	1892.6	1888.8	1883.7	1892.6
12.5°	1872.2	1873.5	1877.3	1884.9	1887.5	1902.8	1896.4	1882.4	1876.0	1870.9	1879.9
15°	1869.7	1870.9	1876.0	1883.7	1887.5	1902.8	1896.4	1879.9	1870.9	1864.6	1872.2
17.5°	1869.7	1872.2	1879.9	1891.3	1898.9	1914.2	1906.6	1887.5	1874.8	1863.3	1870.9
20°	1870.9	1874.8	1886.2	1902.8	1921.9	1943.5	1933.3	1907.9	1890.0	1876.0	1881.1
22.5°	1882.4	1888.8	1902.8	1924.4	1952.4	1977.9	1968.9	1934.6	1909.1	1890.0	1895.1
25°	1921.9	1924.4	1942.2	1970.2	1996.9	2018.6	2009.7	1977.9	1946.0	1923.1	1929.5
27.5°	1991.9	1998.2	2013.5	2042.8	2065.7	2077.1	2075.9	2054.2	2022.4	2002.0	2007.1
30°	2075.9	2082.2	2102.6	2135.7	2158.6	2171.3	2167.5	2150.9	2121.7	2093.7	2098.8
32.5°	2173.9	2176.4	2200.6	2237.5	2261.7	2280.8	2268.0	2250.2	2213.3	2180.2	2182.8
35°	2298.6	2302.4	2327.9	2362.2	2381.3	2396.6	2394.0	2376.2	2336.8	2301.1	2310.0
37.5°	2455.1	2457.7	2480.6	2523.9	2539.1	2550.6	2553.1	2544.2	2503.5	2457.7	2466.6
40°	2649.9	2651.1	2676.6	2714.8	2731.3	2739.0	2740.2	2741.5	2699.5	2665.1	2662.6
42.5°	2876.4	2882.8	2918.4	2955.3	2963.0	2959.1	2971.9	2984.6	2943.9	2896.8	2900.6
45°	3147.5	3151.3	3199.7	3240.4	3226.4	3213.7	3237.9	3263.3	3226.4	3165.3	3147.5
47.5°	3468.2	3475.9	3528.1	3568.8	3545.9	3523.0	3562.4	3589.2	3529.3	3464.4	3447.9
50°	3831.0	3836.1	3909.9	3960.8	3934.1	3892.1	3941.7	3969.7	3889.5	3809.3	3773.7
52.5°	4259.9	4249.7	4347.7	4436.8	4420.3	4365.5	4406.3	4411.4	4291.7	4178.4	4142.8
55°	4783.0	4772.8	4870.8	4968.8	5009.5	4995.5	4976.5	4945.9	4769.0	4648.1	4615.0
57.5°	5392.6	5360.8	5498.3	5630.7	5719.7	5745.2	5663.7	5592.5	5452.5	5303.6	5265.4
60°	5959.0	5957.7	6175.4	6404.5	6648.9	6750.7	6544.5	6351.0	6036.7	5765.6	5710.8
62.5°	6118.1	6144.8	6501.2	7068.9	7672.1	8032.3	7488.9	6848.7	6241.6	5833.0	5760.5
65°	5726.1	5792.3	6298.8	7194.9	8386.2	9266.9	8040.0	6860.1	6013.7	5504.6	5428.3
67.5°	4220.4	4352.8	5023.5	6492.3	8325.1	9583.8	7942.0	6225.0	5223.4	4617.5	4511.9
70°	2082.2	2208.2	2740.2	4271.4	6849.9	8566.9	6871.6	4691.4	3528.1	2945.1	2848.4
72.5°	766.2	817.1	1025.8	1827.7	3780.1	6328.1	4699.0	2620.6	1709.3	1360.6	1295.7
75°	375.5	384.4	416.2	613.5	1394.9	2978.2	2208.2	1005.5	628.7	547.3	529.5
77.5°	239.3	243.1	258.4	292.7	448.0	938.0	669.5	397.1	308.0	295.3	295.3
80°	133.6	137.5	157.8	182.0	210.0	322.0	240.5	238.0	202.4	176.9	173.1
82.5°	63.6	70.0	100.5	99.3	110.7	161.6	141.3	128.5	129.8	98.0	92.9
85°	29.3	29.3	39.5	47.1	49.6	54.7	64.9	73.8	72.5	49.6	53.5
87.5°	14.0	14.0	14.0	12.7	11.5	10.2	14.0	22.9	33.1	22.9	21.6
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)