

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: P635265

Luminaire Tested: GWS-SA3D-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635265  
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-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

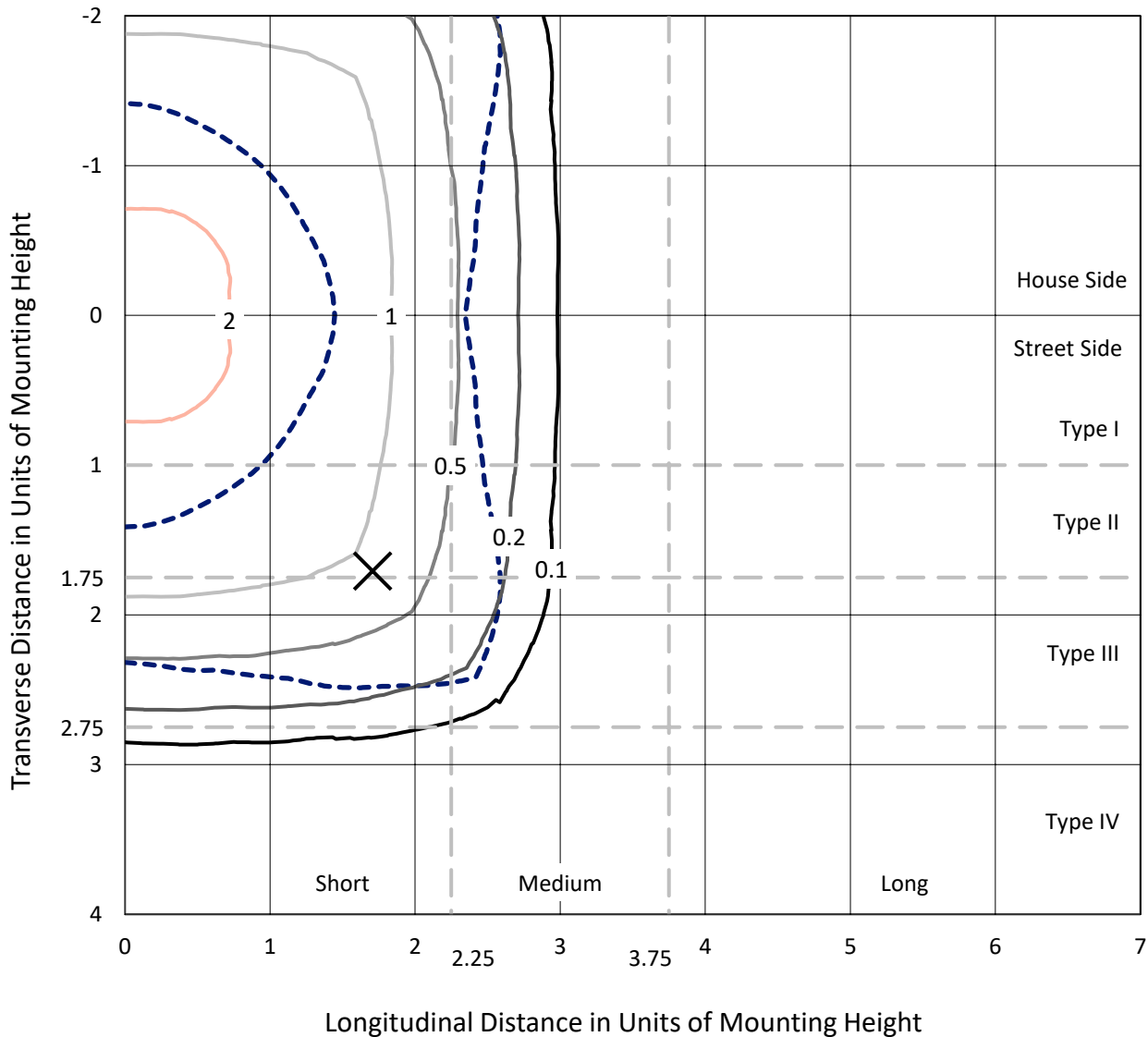
Lumens per Lamp: N/A  
Luminaire Lumens: 18224.5 lumens  
Efficiency: N/A  
Efficacy: 150.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

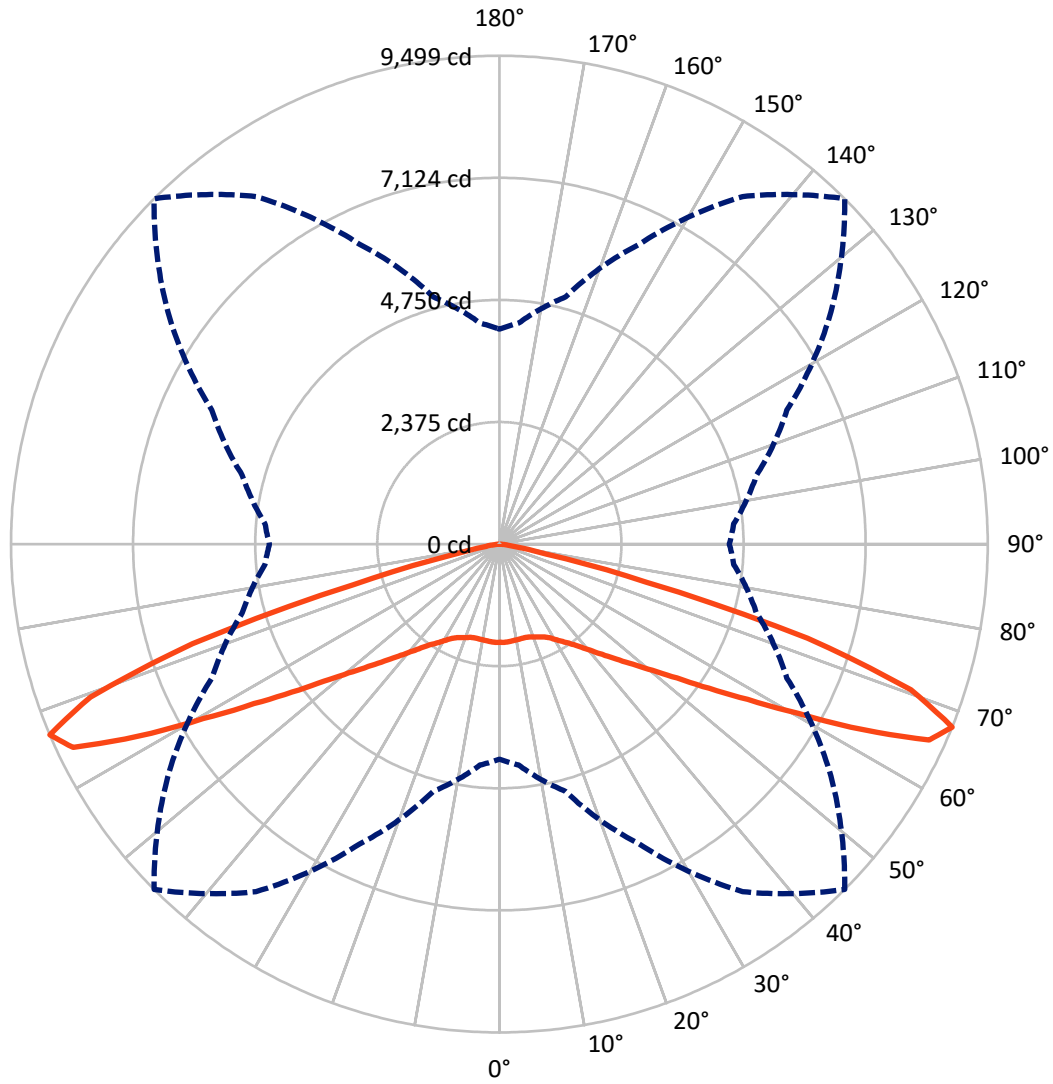
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	9112.2	0.0	9112.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9112.2	0.0	9112.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18224.5	0.0	18224.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.6	1.0
10°-20°	530.6	2.9
20°-30°	915.1	5.0
30°-40°	1488.0	8.2
40°-50°	2505.5	13.7
50°-60°	4439.3	24.4
60°-70°	6345.7	34.8
70°-80°	1741.6	9.6
80°-90°	78.0	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°	18224.5	100.0
0°-180°	18224.5	100.0

**Coefficient of Utilization**



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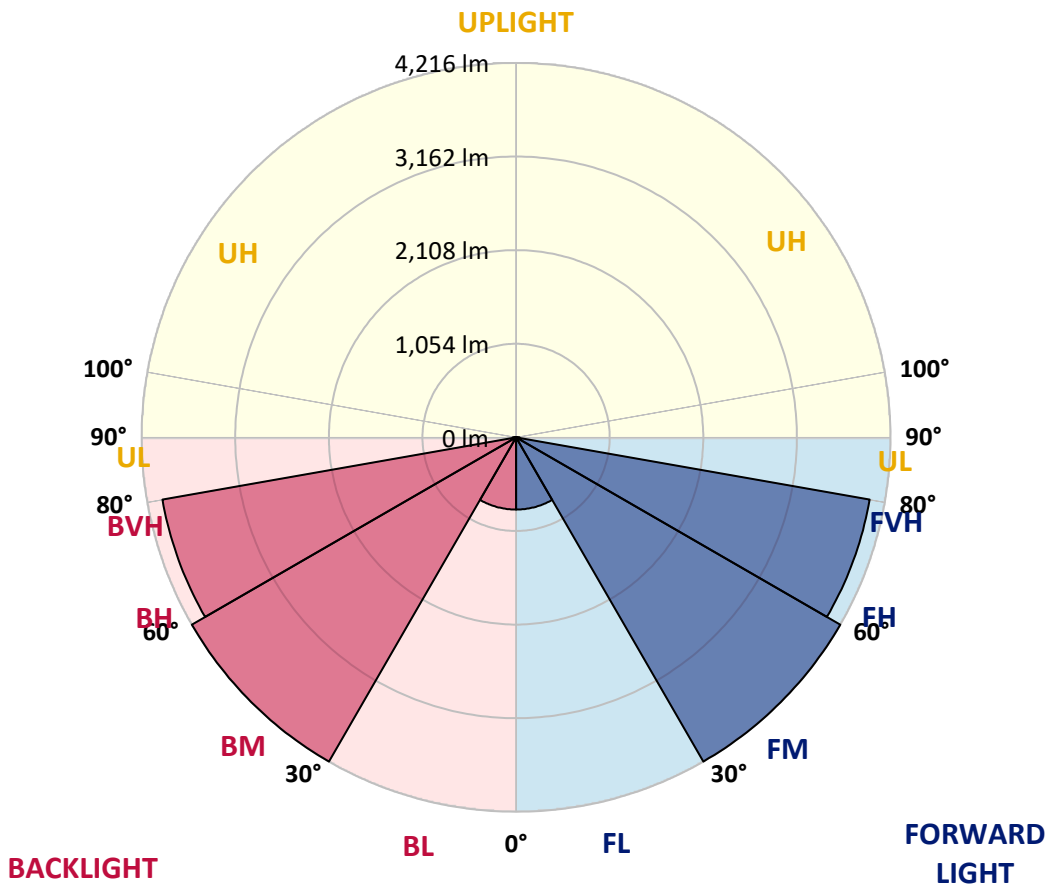
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.2	4.5			
FM (30°-60°)	4216.4	23.1			
FH (60°-80°)	4043.6	22.2			G2/5000
FVH (80°-90°)	39.0	0.2			G1/100
BL (0°-30°)	813.2	4.5	B2/1000		
BM (30°-60°)	4216.4	23.1	B3/5000		
BH (60°-80°)	4043.6	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.0	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°	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7	1908.7
2.5°	1896.1	1894.8	1901.1	1904.9	1903.6	1912.5	1911.2	1908.7	1908.7	1904.9	1915.0
5°	1896.1	1894.8	1899.9	1901.1	1898.6	1906.2	1903.6	1901.1	1901.1	1896.1	1904.9
7.5°	1886.0	1887.2	1891.0	1893.6	1891.0	1897.3	1893.6	1888.5	1887.2	1882.2	1891.0
10°	1867.1	1868.3	1872.1	1878.4	1879.7	1891.0	1884.7	1875.9	1872.1	1867.1	1875.9
12.5°	1855.7	1857.0	1860.8	1868.3	1870.8	1886.0	1879.7	1865.8	1859.5	1854.4	1863.3
15°	1853.2	1854.4	1859.5	1867.1	1870.8	1886.0	1879.7	1863.3	1854.4	1848.1	1855.7
17.5°	1853.2	1855.7	1863.3	1874.6	1882.2	1897.3	1889.8	1870.8	1858.2	1846.9	1854.4
20°	1854.4	1858.2	1869.6	1886.0	1904.9	1926.4	1916.3	1891.0	1873.4	1859.5	1864.5
22.5°	1865.8	1872.1	1886.0	1907.4	1935.2	1960.4	1951.6	1917.5	1892.3	1873.4	1878.4
25°	1904.9	1907.4	1925.1	1952.8	1979.3	2000.8	1992.0	1960.4	1928.9	1906.2	1912.5
27.5°	1974.3	1980.6	1995.7	2024.8	2047.5	2058.8	2057.6	2036.1	2004.6	1984.4	1989.4
30°	2057.6	2063.9	2084.0	2116.8	2139.6	2152.2	2148.4	2132.0	2103.0	2075.2	2080.3
32.5°	2154.7	2157.2	2181.2	2217.8	2241.7	2260.7	2248.0	2230.4	2193.8	2161.0	2163.5
35°	2278.3	2282.1	2307.3	2341.4	2360.3	2375.5	2372.9	2355.3	2316.2	2280.8	2289.7
37.5°	2433.5	2436.0	2458.7	2501.6	2516.8	2528.1	2530.6	2521.8	2481.4	2436.0	2444.8
40°	2626.5	2627.8	2653.0	2690.8	2707.2	2714.8	2716.1	2717.3	2675.7	2641.6	2639.1
42.5°	2851.1	2857.4	2892.7	2929.3	2936.8	2933.1	2945.7	2958.3	2917.9	2871.2	2875.0
45°	3119.8	3123.5	3171.5	3211.9	3198.0	3185.4	3209.3	3234.6	3198.0	3137.4	3119.8
47.5°	3437.7	3445.2	3497.0	3537.3	3514.6	3491.9	3531.0	3557.5	3498.2	3433.9	3417.5
50°	3797.2	3802.3	3875.4	3925.9	3899.4	3857.8	3907.0	3934.7	3855.2	3775.8	3740.4
52.5°	4222.3	4212.2	4309.4	4397.7	4381.3	4327.0	4367.4	4372.5	4253.9	4141.6	4106.3
55°	4740.8	4730.7	4827.9	4925.0	4965.4	4951.5	4932.6	4902.3	4727.0	4607.1	4574.3
57.5°	5345.1	5313.6	5449.8	5581.0	5669.3	5694.5	5613.8	5543.2	5404.4	5256.8	5219.0
60°	5906.5	5905.2	6120.9	6348.0	6590.2	6691.2	6486.8	6295.0	5983.4	5714.7	5660.5
62.5°	6064.2	6090.7	6443.9	7006.5	7604.5	7961.5	7422.8	6788.3	6186.5	5781.6	5709.7
65°	5675.6	5741.2	6243.3	7131.4	8312.2	9185.2	7969.1	6799.6	5960.7	5456.1	5380.4
67.5°	4183.2	4314.4	4979.3	6435.1	8251.7	9499.3	7871.9	6170.1	5177.3	4576.8	4472.1
70°	2063.9	2188.8	2716.1	4233.7	6789.6	8491.4	6811.0	4650.0	3497.0	2919.2	2823.3
72.5°	759.4	809.9	1016.8	1811.6	3746.7	6272.3	4657.6	2597.5	1694.2	1348.6	1284.2
75°	372.2	381.0	412.5	608.1	1382.6	2952.0	2188.8	996.6	623.2	542.5	524.8
77.5°	237.2	241.0	256.1	290.2	444.1	929.7	663.6	393.6	305.3	292.7	292.7
80°	132.5	136.2	156.4	180.4	208.2	319.2	238.4	235.9	200.6	175.4	171.6
82.5°	63.1	69.4	99.7	98.4	109.8	160.2	140.0	127.4	128.7	97.1	92.1
85°	29.0	29.0	39.1	46.7	49.2	54.2	64.3	73.2	71.9	49.2	53.0
87.5°	13.9	13.9	13.9	12.6	11.4	10.1	13.9	22.7	32.8	22.7	21.4
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)