

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: P635210

Luminaire Tested: GWS-SA3D-735-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635210  
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-735-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17974.7 lumens  
Efficiency: N/A  
Efficacy: 148.8 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

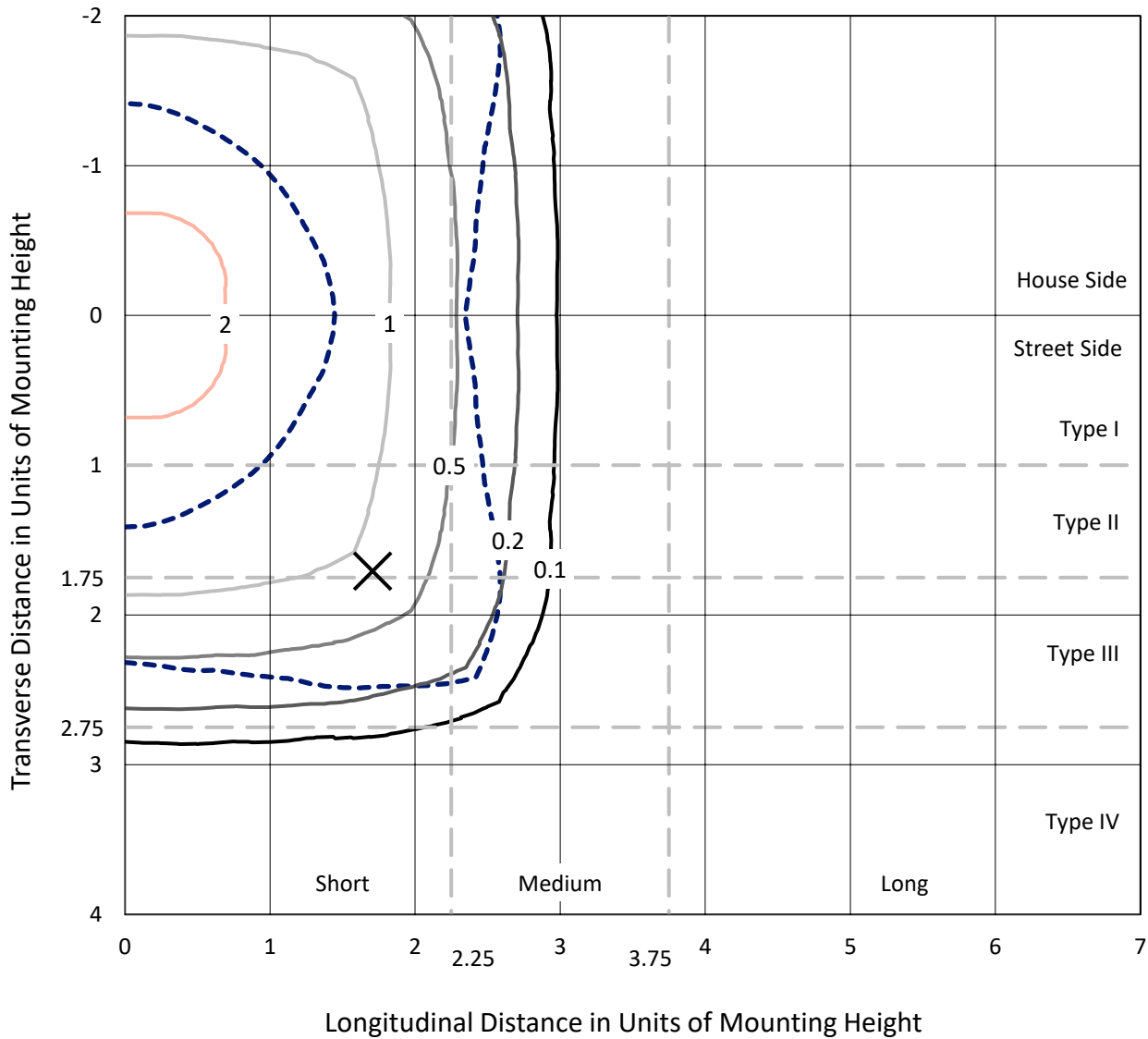
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

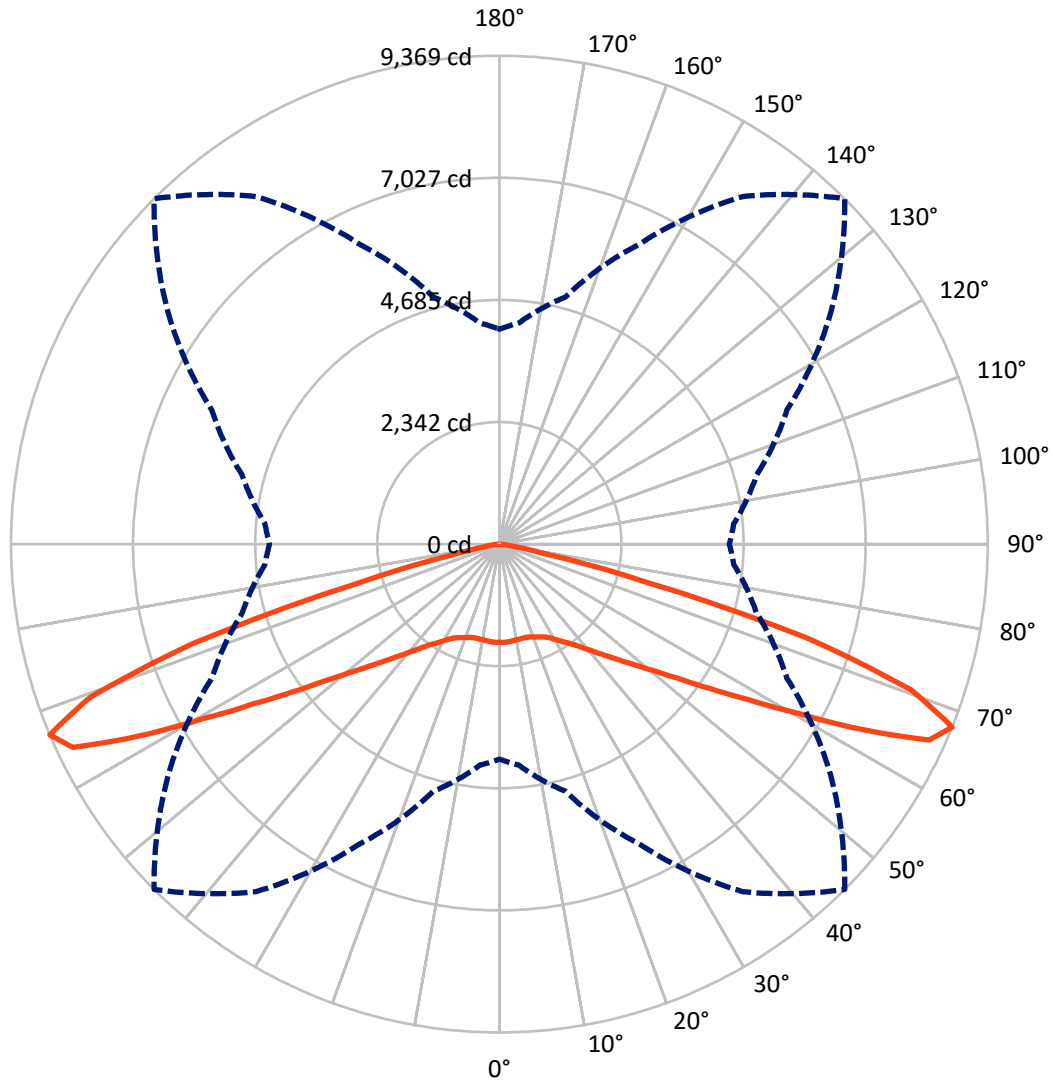
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	8987.3	0.0	8987.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8987.3	0.0	8987.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17974.7	0.0	17974.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.2	1.0
10°-20°	523.3	2.9
20°-30°	902.6	5.0
30°-40°	1467.6	8.2
40°-50°	2471.2	13.7
50°-60°	4378.4	24.4
60°-70°	6258.7	34.8
70°-80°	1717.8	9.6
80°-90°	77.0	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°	17974.7	100.0
0°-180°	17974.7	100.0

**Coefficient of Utilization**



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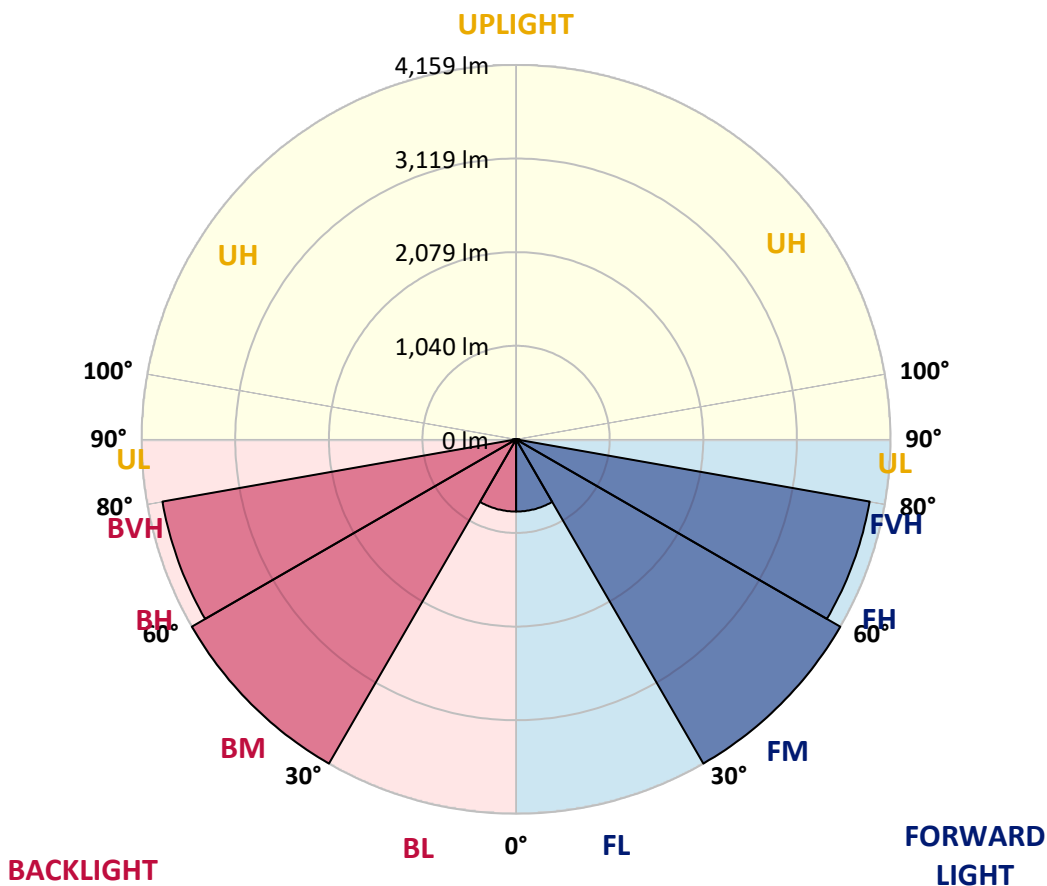
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.0	4.5			
FM (30°-60°)	4158.6	23.1			
FH (60°-80°)	3988.2	22.2			G2/5000
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	802.0	4.5	B2/1000		
BM (30°-60°)	4158.6	23.1	B3/5000		
BH (60°-80°)	3988.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	38.5	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°	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5	1882.5
2.5°	1870.1	1868.8	1875.1	1878.8	1877.6	1886.3	1885.0	1882.5	1882.5	1878.8	1888.8
5°	1870.1	1868.8	1873.8	1875.1	1872.6	1880.0	1877.6	1875.1	1875.1	1870.1	1878.8
7.5°	1860.1	1861.4	1865.1	1867.6	1865.1	1871.3	1867.6	1862.6	1861.4	1856.4	1865.1
10°	1841.5	1842.7	1846.5	1852.7	1853.9	1865.1	1858.9	1850.2	1846.5	1841.5	1850.2
12.5°	1830.3	1831.5	1835.3	1842.7	1845.2	1860.1	1853.9	1840.2	1834.0	1829.0	1837.7
15°	1827.8	1829.0	1834.0	1841.5	1845.2	1860.1	1853.9	1837.7	1829.0	1822.8	1830.3
17.5°	1827.8	1830.3	1837.7	1848.9	1856.4	1871.3	1863.9	1845.2	1832.8	1821.6	1829.0
20°	1829.0	1832.8	1844.0	1860.1	1878.8	1900.0	1890.0	1865.1	1847.7	1834.0	1839.0
22.5°	1840.2	1846.5	1860.1	1881.3	1908.7	1933.5	1924.8	1891.2	1866.4	1847.7	1852.7
25°	1878.8	1881.3	1898.7	1926.1	1952.2	1973.4	1964.7	1933.5	1902.4	1880.0	1886.3
27.5°	1947.2	1953.5	1968.4	1997.0	2019.4	2030.6	2029.4	2008.2	1977.1	1957.2	1962.2
30°	2029.4	2035.6	2055.5	2087.8	2110.2	2122.7	2118.9	2102.8	2074.1	2046.8	2051.7
32.5°	2125.2	2127.6	2151.3	2187.4	2211.0	2229.7	2217.2	2199.8	2163.7	2131.4	2133.9
35°	2247.1	2250.8	2275.7	2309.3	2328.0	2342.9	2340.4	2323.0	2284.4	2249.6	2258.3
37.5°	2400.1	2402.6	2425.0	2467.3	2482.3	2493.5	2495.9	2487.2	2447.4	2402.6	2411.3
40°	2590.5	2591.7	2616.6	2654.0	2670.1	2677.6	2678.8	2680.1	2639.0	2605.4	2602.9
42.5°	2812.0	2818.2	2853.0	2889.1	2896.6	2892.9	2905.3	2917.7	2877.9	2831.9	2835.6
45°	3077.0	3080.7	3128.0	3167.8	3154.1	3141.7	3165.3	3190.2	3154.1	3094.4	3077.0
47.5°	3390.6	3398.0	3449.0	3488.8	3466.4	3444.1	3482.6	3508.8	3450.3	3386.8	3370.6
50°	3745.2	3750.1	3822.3	3872.1	3845.9	3804.9	3853.4	3880.8	3802.4	3724.0	3689.2
52.5°	4164.5	4154.5	4250.3	4337.4	4321.2	4267.7	4307.6	4312.5	4195.6	4084.8	4050.0
55°	4675.8	4665.9	4761.7	4857.5	4897.3	4883.6	4865.0	4835.1	4662.2	4544.0	4511.6
57.5°	5271.8	5240.7	5375.1	5504.5	5591.6	5616.5	5536.9	5467.2	5330.3	5184.7	5147.4
60°	5825.5	5824.3	6037.0	6261.0	6499.9	6599.4	6397.9	6208.8	5901.4	5636.4	5582.9
62.5°	5981.1	6007.2	6355.6	6910.5	7500.3	7852.4	7321.1	6695.2	6101.7	5702.3	5631.4
65°	5597.8	5662.5	6157.7	7033.7	8198.3	9059.3	7859.9	6706.4	5879.0	5381.3	5306.7
67.5°	4125.9	4255.3	4911.0	6346.9	8138.6	9369.1	7764.0	6085.6	5106.4	4514.1	4410.8
70°	2035.6	2158.8	2678.8	4175.7	6696.5	8375.0	6717.6	4586.3	3449.0	2879.2	2784.6
72.5°	749.0	798.8	1002.9	1786.7	3695.4	6186.4	4593.7	2561.9	1671.0	1330.1	1266.6
75°	367.1	375.8	406.9	599.7	1363.7	2911.5	2158.8	982.9	614.7	535.0	517.6
77.5°	233.9	237.6	252.6	286.2	438.0	917.0	654.5	388.2	301.1	288.7	288.7
80°	130.6	134.4	154.3	177.9	205.3	314.8	235.2	232.7	197.8	172.9	169.2
82.5°	62.2	68.4	98.3	97.1	108.2	158.0	138.1	125.7	126.9	95.8	90.8
85°	28.6	28.6	38.6	46.0	48.5	53.5	63.5	72.2	70.9	48.5	52.3
87.5°	13.7	13.7	13.7	12.4	11.2	10.0	13.7	22.4	32.4	22.4	21.2
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)