

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: P635320

Luminaire Tested: GWS-SA3D-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635320
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-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18642.1 lumens
Efficiency: N/A
Efficacy: 154.3 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

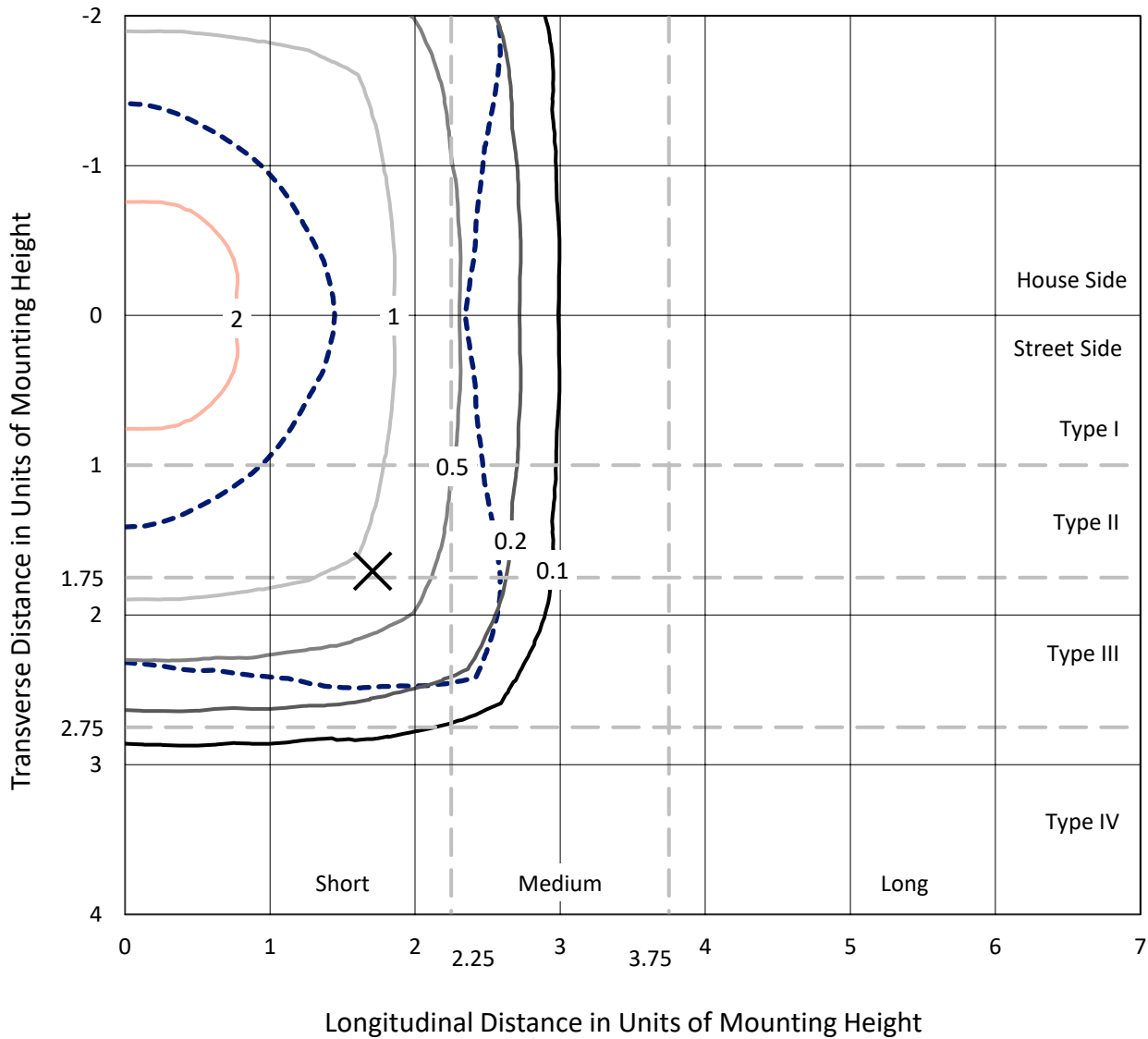
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

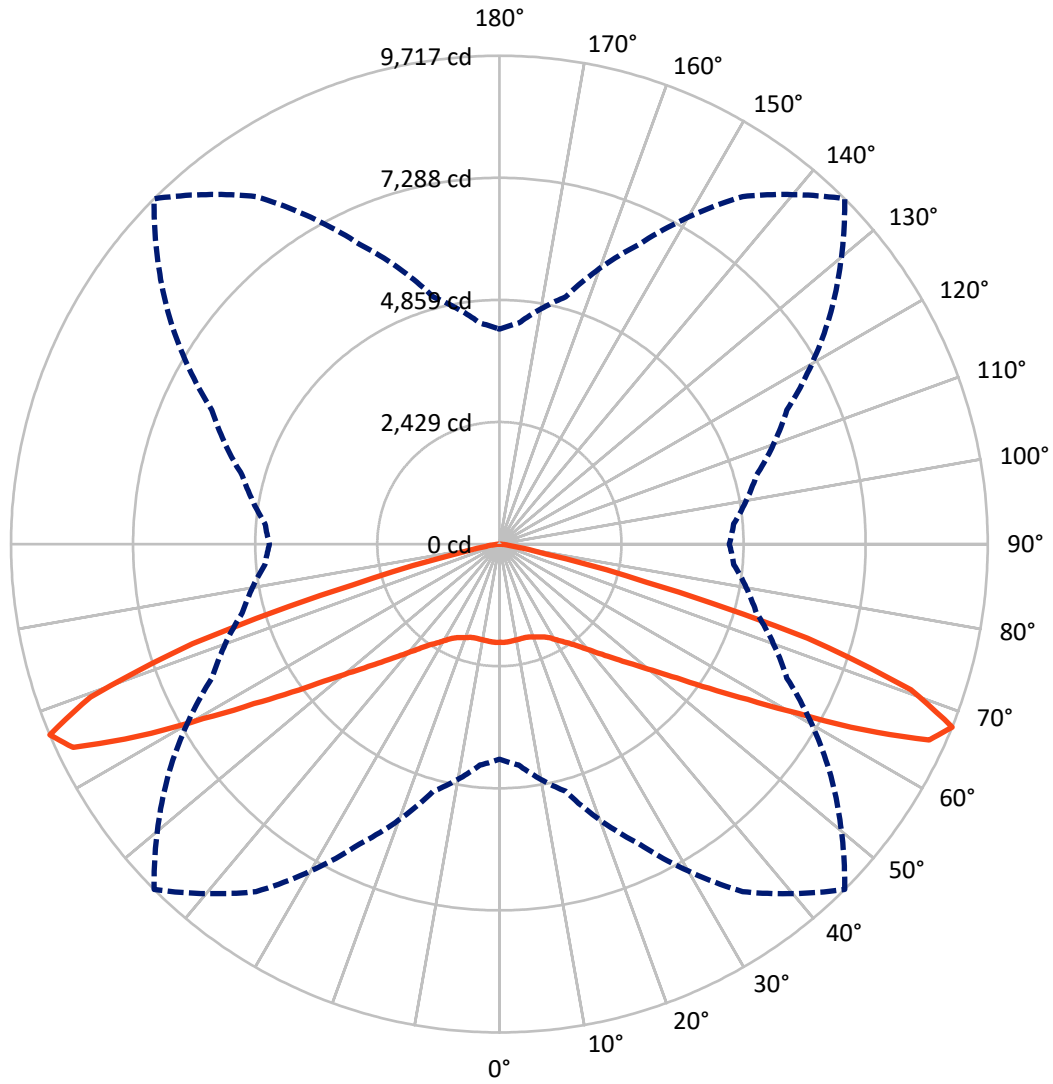
✕ Max cd
 - - - 1/2 Max cd



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	9321.1	0.0	9321.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9321.1	0.0	9321.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	18642.1	0.0	18642.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	1.0
10°-20°	542.8	2.9
20°-30°	936.1	5.0
30°-40°	1522.1	8.2
40°-50°	2562.9	13.7
50°-60°	4541.0	24.4
60°-70°	6491.1	34.8
70°-80°	1781.5	9.6
80°-90°	79.8	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°	18642.1	100.0
0°-180°	18642.1	100.0

Coefficient of Utilization



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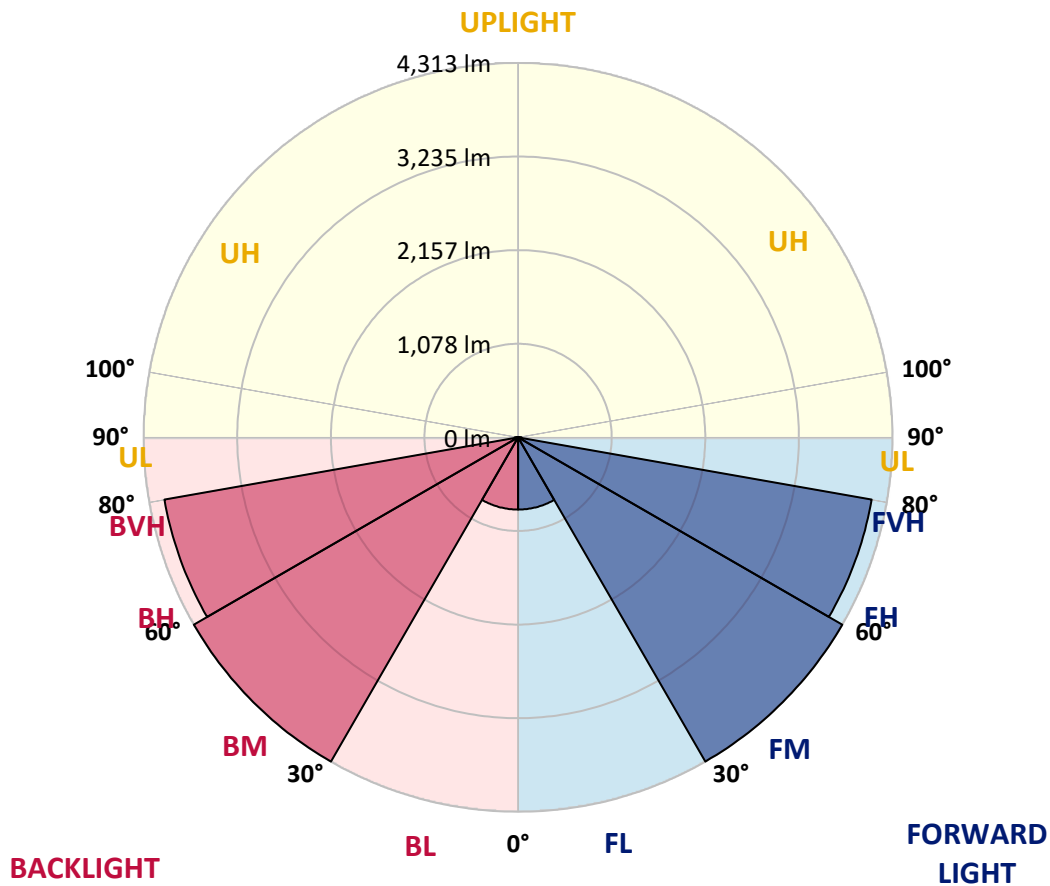
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.8	4.5			
FM (30°-60°)	4313.0	23.1			
FH (60°-80°)	4136.3	22.2			G2/5000
FVH (80°-90°)	39.9	0.2			G1/100
BL (0°-30°)	831.8	4.5	B2/1000		
BM (30°-60°)	4313.0	23.1	B3/5000		
BH (60°-80°)	4136.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.9	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°	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4	1952.4
2.5°	1939.5	1938.2	1944.7	1948.6	1947.3	1956.3	1955.0	1952.4	1952.4	1948.6	1958.9
5°	1939.5	1938.2	1943.4	1944.7	1942.1	1949.9	1947.3	1944.7	1944.7	1939.5	1948.6
7.5°	1929.2	1930.5	1934.4	1936.9	1934.4	1940.8	1936.9	1931.8	1930.5	1925.3	1934.4
10°	1909.8	1911.1	1915.0	1921.5	1922.8	1934.4	1927.9	1918.9	1915.0	1909.8	1918.9
12.5°	1898.2	1899.5	1903.4	1911.1	1913.7	1929.2	1922.8	1908.6	1902.1	1896.9	1906.0
15°	1895.7	1896.9	1902.1	1909.8	1913.7	1929.2	1922.8	1906.0	1896.9	1890.5	1898.2
17.5°	1895.7	1898.2	1906.0	1917.6	1925.3	1940.8	1933.1	1913.7	1900.8	1889.2	1896.9
20°	1896.9	1900.8	1912.4	1929.2	1948.6	1970.5	1960.2	1934.4	1916.3	1902.1	1907.3
22.5°	1908.6	1915.0	1929.2	1951.1	1979.5	2005.3	1996.3	1961.5	1935.7	1916.3	1921.5
25°	1948.6	1951.1	1969.2	1997.6	2024.7	2046.6	2037.6	2005.3	1973.1	1949.9	1956.3
27.5°	2019.5	2026.0	2041.5	2071.2	2094.4	2106.0	2104.7	2082.8	2050.5	2029.9	2035.0
30°	2104.7	2111.2	2131.8	2165.4	2188.6	2201.5	2197.6	2180.8	2151.2	2122.8	2127.9
32.5°	2204.1	2206.6	2231.2	2268.6	2293.1	2312.5	2299.6	2281.5	2244.1	2210.5	2213.1
35°	2330.5	2334.4	2360.2	2395.1	2414.4	2429.9	2427.3	2409.2	2369.2	2333.1	2342.1
37.5°	2489.3	2491.8	2515.1	2558.9	2574.4	2586.0	2588.6	2579.6	2538.3	2491.8	2500.9
40°	2686.7	2688.0	2713.8	2752.5	2769.3	2777.0	2778.3	2779.6	2737.0	2702.2	2699.6
42.5°	2916.4	2922.8	2959.0	2996.4	3004.1	3000.3	3013.2	3026.1	2984.8	2937.0	2940.9
45°	3191.3	3195.1	3244.2	3285.5	3271.3	3258.4	3282.9	3308.7	3271.3	3209.3	3191.3
47.5°	3516.4	3524.2	3577.1	3618.4	3595.2	3571.9	3611.9	3639.0	3578.4	3512.6	3495.8
50°	3884.2	3889.4	3964.2	4015.8	3988.7	3946.2	3996.5	4024.9	3943.6	3862.3	3826.1
52.5°	4319.1	4308.8	4408.1	4498.5	4481.7	4426.2	4467.5	4472.7	4351.4	4236.5	4200.4
55°	4849.5	4839.1	4938.5	5037.9	5079.2	5065.0	5045.6	5014.6	4835.3	4712.7	4679.1
57.5°	5467.6	5435.3	5574.7	5708.9	5799.2	5825.0	5742.4	5670.2	5528.2	5377.3	5338.5
60°	6041.8	6040.5	6261.2	6493.5	6741.2	6844.5	6635.4	6439.3	6120.5	5845.7	5790.2
62.5°	6203.1	6230.2	6591.6	7167.1	7778.8	8143.9	7592.9	6943.8	6328.3	5914.1	5840.5
65°	5805.7	5872.8	6386.4	7294.8	8502.7	9395.7	8151.7	6955.5	6097.3	5581.1	5503.7
67.5°	4279.1	4413.3	5093.4	6582.5	8440.7	9717.0	8052.3	6311.5	5296.0	4681.7	4574.6
70°	2111.2	2238.9	2778.3	4330.7	6945.1	8685.9	6967.1	4756.6	3577.1	2986.1	2888.0
72.5°	776.8	828.5	1040.1	1853.1	3832.6	6416.1	4764.3	2657.0	1733.1	1379.5	1313.7
75°	380.7	389.7	422.0	622.0	1414.3	3019.6	2238.9	1019.4	637.5	554.9	536.8
77.5°	242.6	246.5	262.0	296.8	454.2	951.1	678.8	402.6	312.3	299.4	299.4
80°	135.5	139.4	160.0	184.5	212.9	326.5	243.9	241.3	205.2	179.4	175.5
82.5°	64.5	71.0	101.9	100.7	112.3	163.9	143.2	130.3	131.6	99.4	94.2
85°	29.7	29.7	40.0	47.7	50.3	55.5	65.8	74.8	73.6	50.3	54.2
87.5°	14.2	14.2	14.2	12.9	11.6	10.3	14.2	23.2	33.6	23.2	21.9
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)