

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: P636473

Luminaire Tested: GWS-SA3F-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636473  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

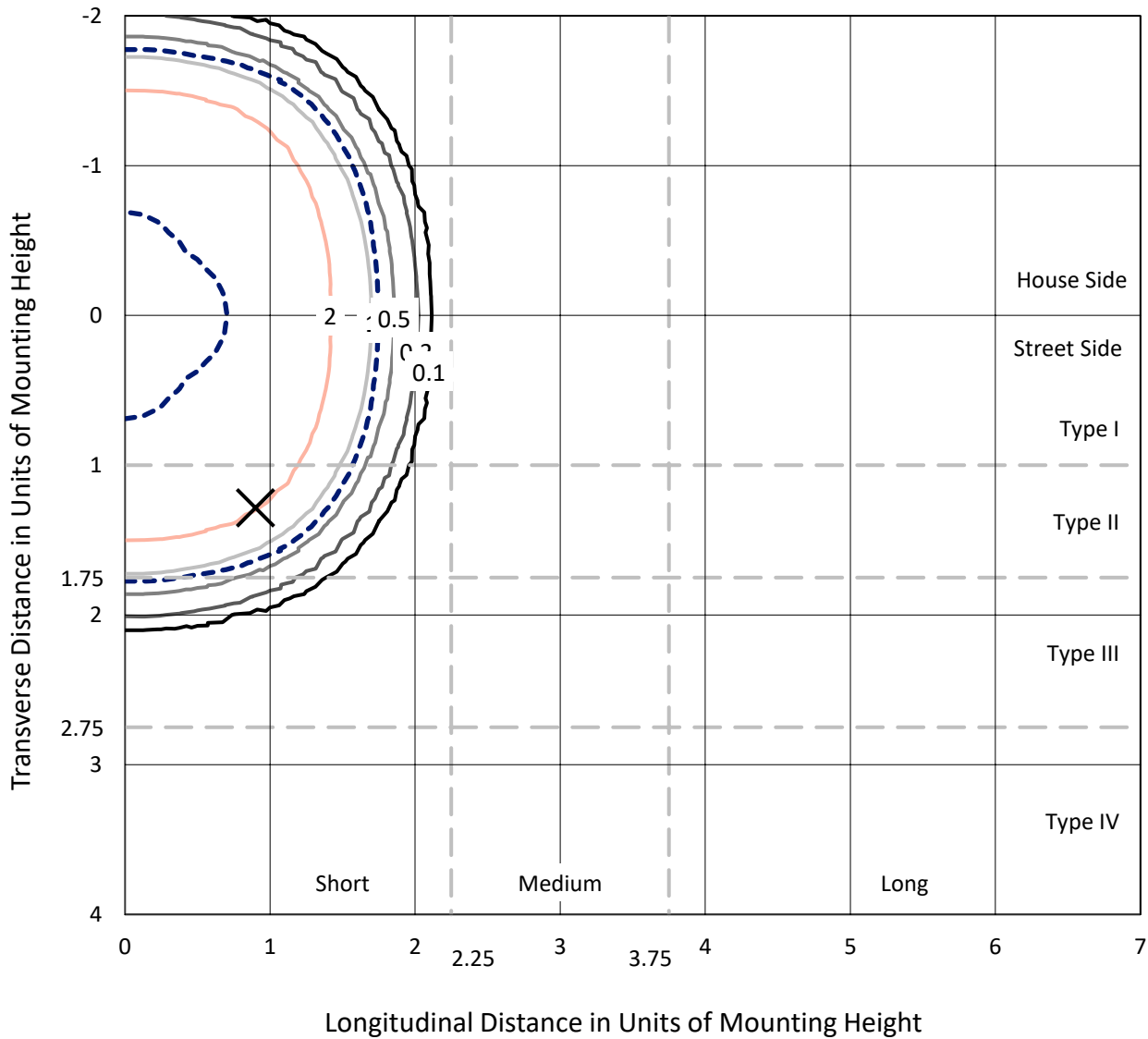
Lumens per Lamp: N/A  
Luminaire Lumens: 11867.4 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

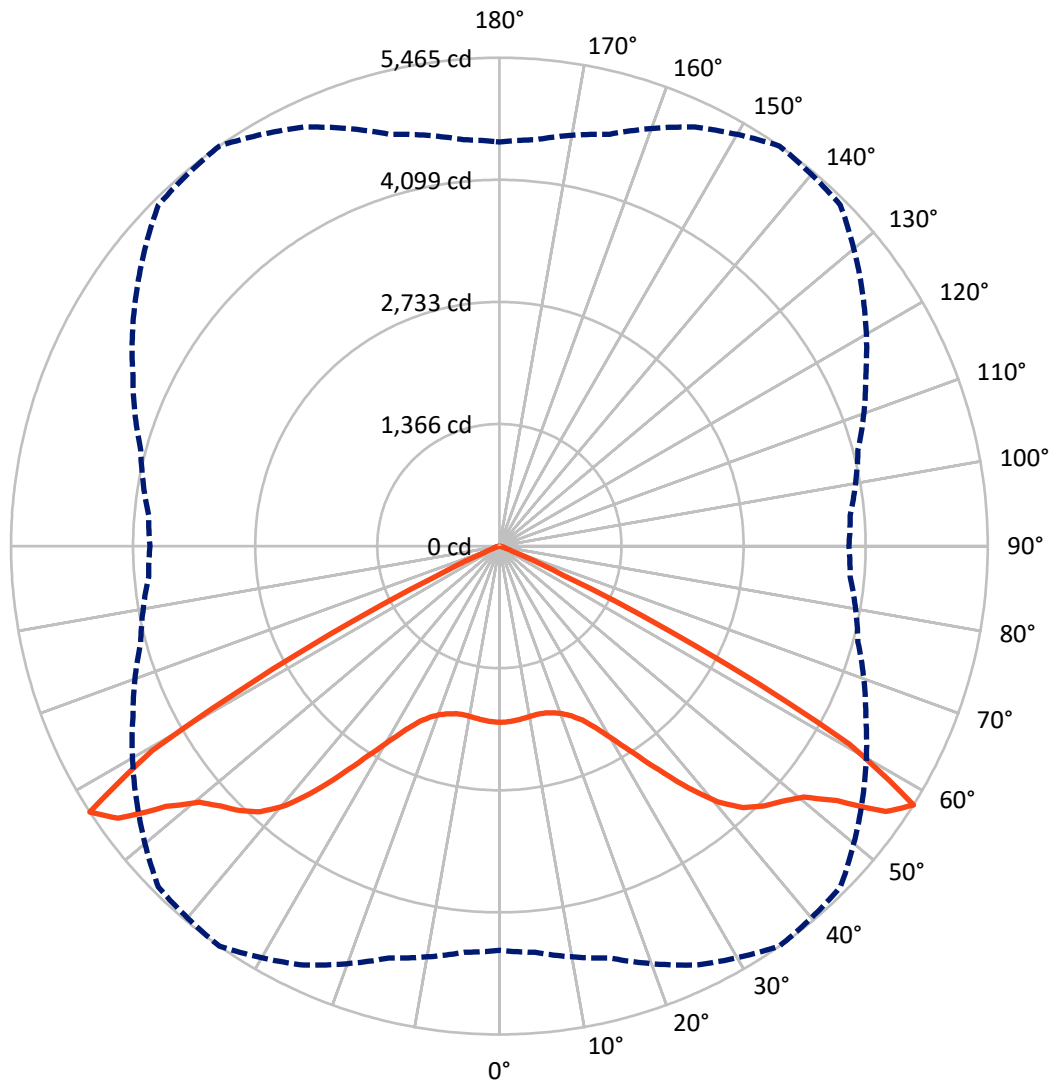
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5933.7	0.0	5933.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5933.7	0.0	5933.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11867.4	0.0	11867.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	1.6
10°-20°	546.8	4.6
20°-30°	988.4	8.3
30°-40°	1844.0	15.5
40°-50°	3093.3	26.1
50°-60°	4085.0	34.4
60°-70°	1084.9	9.1
70°-80°	38.5	0.3
80°-90°	0.7	0.0
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°	11867.4	100.0
0°-180°	11867.4	100.0

**Coefficient of Utilization**



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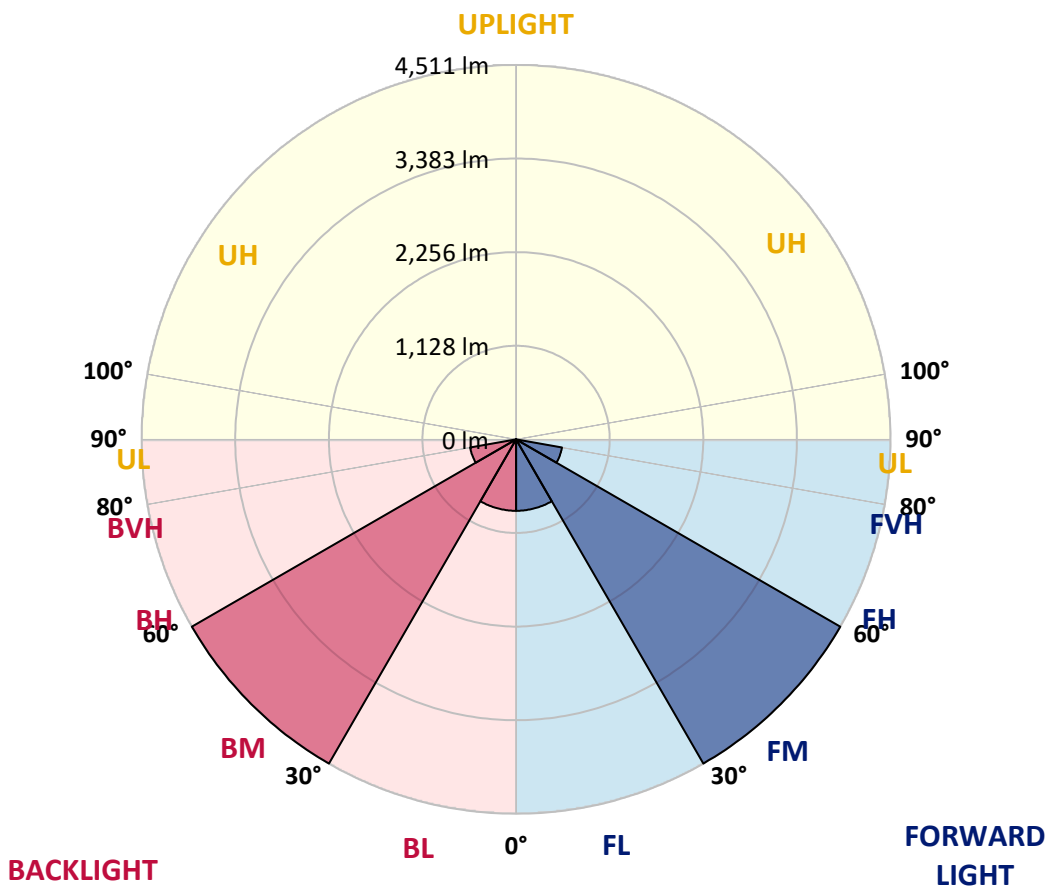
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.6	7.3			
FM (30°-60°)	4511.1	38.0			
FH (60°-80°)	561.7	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	860.6	7.3	B2/1000		
BM (30°-60°)	4511.1	38.0	B3/5000		
BH (60°-80°)	561.7	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1	1973.1
2.5°	1959.1	1957.7	1963.3	1967.5	1967.5	1977.2	1974.5	1971.7	1968.9	1964.7	1974.5
5°	1956.4	1955.0	1959.1	1961.9	1959.1	1967.5	1961.9	1956.4	1953.6	1948.0	1959.1
7.5°	1943.8	1945.2	1948.0	1950.8	1946.6	1953.6	1946.6	1938.3	1931.3	1925.7	1935.5
10°	1924.3	1925.7	1928.5	1934.1	1935.5	1945.2	1935.5	1920.2	1910.4	1902.0	1911.8
12.5°	1914.6	1916.0	1920.2	1927.1	1928.5	1941.0	1928.5	1906.2	1892.3	1882.6	1892.3
15°	1917.4	1920.2	1925.7	1934.1	1936.9	1949.4	1932.7	1903.4	1883.9	1871.4	1879.8
17.5°	1927.1	1929.9	1938.3	1952.2	1961.9	1974.5	1953.6	1916.0	1889.5	1871.4	1879.8
20°	1939.6	1943.8	1957.7	1980.0	2000.9	2023.2	1996.7	1945.2	1910.4	1888.1	1895.1
22.5°	1974.5	1978.6	1998.1	2027.4	2062.2	2090.0	2058.0	1992.6	1945.2	1916.0	1922.9
25°	2045.5	2049.6	2074.7	2112.3	2156.9	2193.1	2152.7	2070.5	2009.3	1975.8	1978.6
27.5°	2156.9	2161.0	2190.3	2243.2	2303.1	2354.6	2296.1	2200.0	2130.4	2091.4	2091.4
30°	2297.5	2303.1	2342.1	2413.1	2506.4	2574.6	2495.2	2378.3	2289.1	2236.2	2237.6
32.5°	2478.5	2472.9	2528.6	2626.1	2758.4	2848.9	2731.9	2589.9	2479.9	2406.1	2413.1
35°	2711.0	2709.7	2772.3	2904.6	3077.3	3185.9	3046.6	2862.8	2730.5	2655.3	2656.7
37.5°	3010.4	3009.0	3081.4	3224.8	3432.3	3522.8	3366.9	3180.3	3038.3	2965.9	2974.2
40°	3361.3	3353.0	3417.0	3554.9	3762.3	3820.8	3650.9	3500.5	3364.1	3318.1	3340.4
42.5°	3695.5	3677.4	3715.0	3840.3	4000.4	4008.8	3880.7	3777.6	3684.3	3648.1	3662.1
45°	3964.2	3950.3	3985.1	4057.5	4149.4	4107.6	4046.4	4014.4	3939.2	3900.2	3912.7
47.5°	4164.7	4164.7	4206.5	4251.1	4265.0	4188.4	4198.2	4198.2	4123.0	4061.7	4046.4
50°	4337.4	4349.9	4412.6	4458.5	4412.6	4315.1	4370.8	4359.7	4206.5	4084.0	4051.9
52.5°	4613.1	4625.6	4721.7	4784.4	4732.8	4636.8	4643.7	4504.5	4278.9	4134.1	4084.0
55°	4905.5	4936.1	5075.4	5242.5	5243.9	5145.0	4961.2	4714.7	4440.4	4283.1	4231.6
57.5°	4522.6	4564.4	4771.8	5174.2	5465.3	5397.0	4958.4	4525.4	4155.0	3940.6	3911.3
60°	3112.1	3184.5	3391.9	3941.9	4503.1	4529.5	4011.6	3525.6	3100.9	2836.4	2841.9
62.5°	1314.4	1388.2	1505.2	1957.7	2472.9	2505.0	2254.3	1906.2	1559.5	1368.8	1398.0
65°	309.1	330.0	364.8	541.7	785.3	821.5	757.5	590.4	435.8	369.0	376.0
67.5°	135.1	137.8	130.9	139.2	172.7	176.8	171.3	150.4	142.0	144.8	144.8
70°	94.7	96.1	90.5	86.3	82.2	76.6	79.4	87.7	94.7	100.3	98.9
72.5°	58.5	59.9	61.3	61.3	57.1	51.5	54.3	59.9	61.3	62.7	61.3
75°	29.2	30.6	33.4	34.8	33.4	32.0	32.0	33.4	33.4	32.0	32.0
77.5°	5.6	7.0	9.7	11.1	11.1	11.1	11.1	11.1	12.5	11.1	11.1
80°	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
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)