

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: P637958

Luminaire Tested: GWS-SA4D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637958
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-SA4D-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11886 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

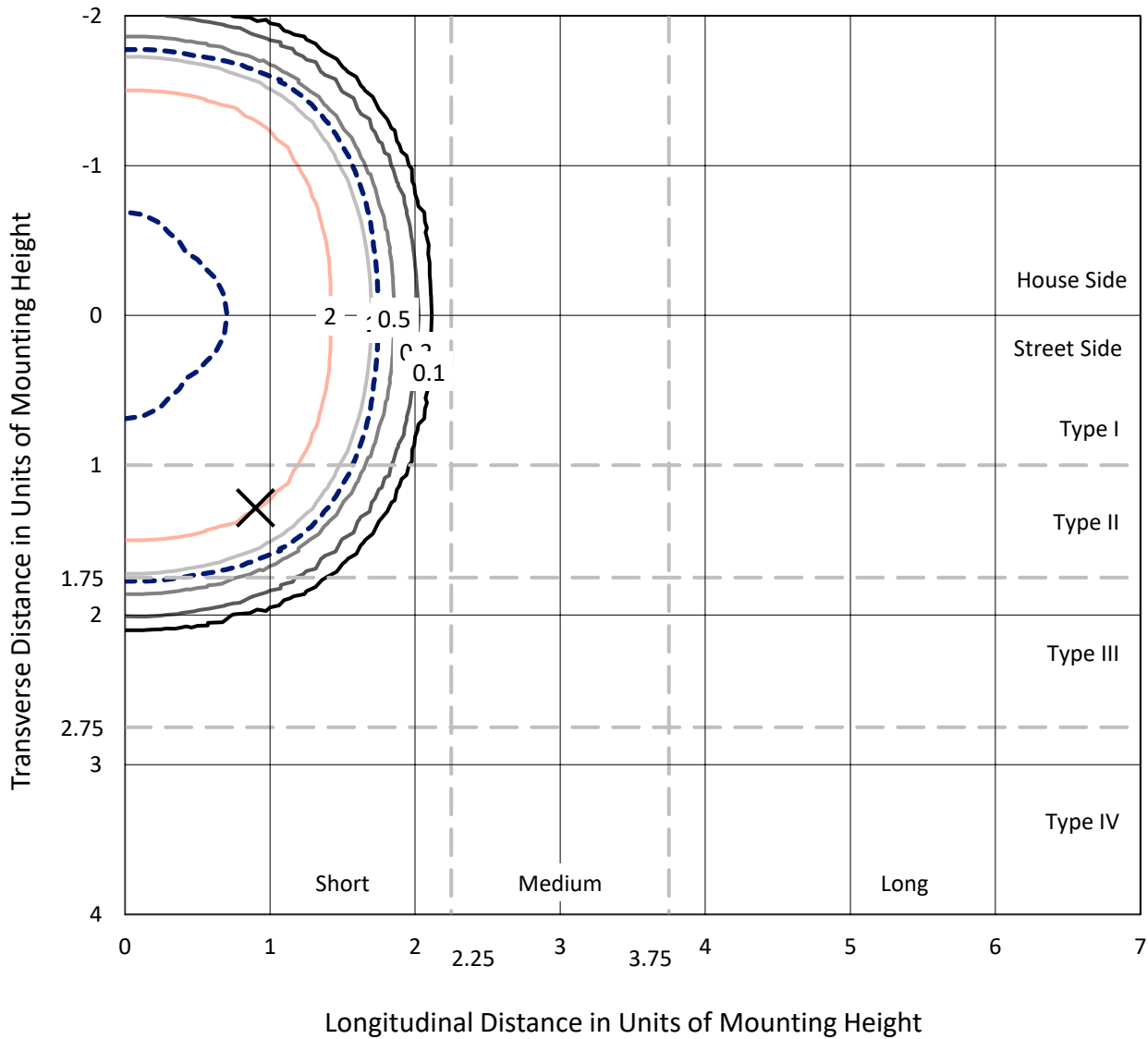
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637958
 CATALOG NUMBER: GWS-SA4D-830-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

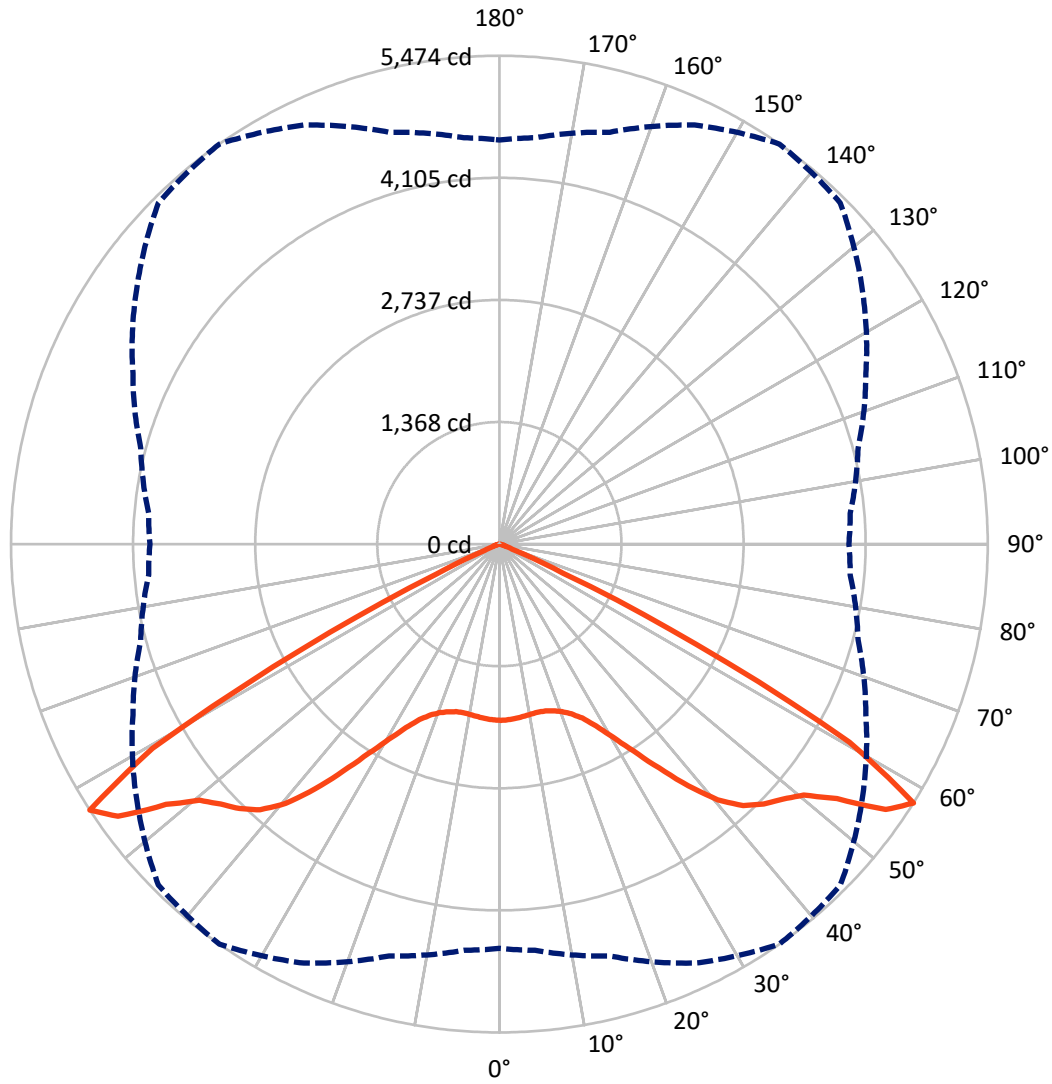
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P637958
CATALOG NUMBER: GWS-SA4D-830-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637958

CATALOG NUMBER: GWS-SA4D-830-U-5MQ-W-GRSBK

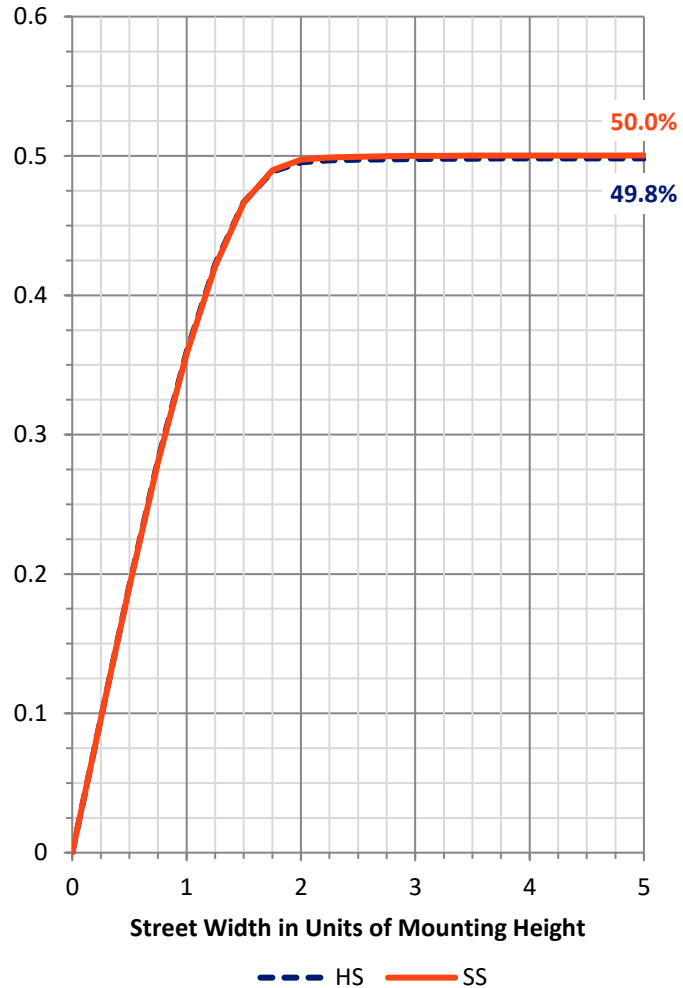
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5943.0	0.0	5943.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5943.0	0.0	5943.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11886.0	0.0	11886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	1.6
10°-20°	547.7	4.6
20°-30°	990.0	8.3
30°-40°	1846.8	15.5
40°-50°	3098.1	26.1
50°-60°	4091.4	34.4
60°-70°	1086.6	9.1
70°-80°	38.6	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°	11886.0	100.0
0°-180°	11886.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637958

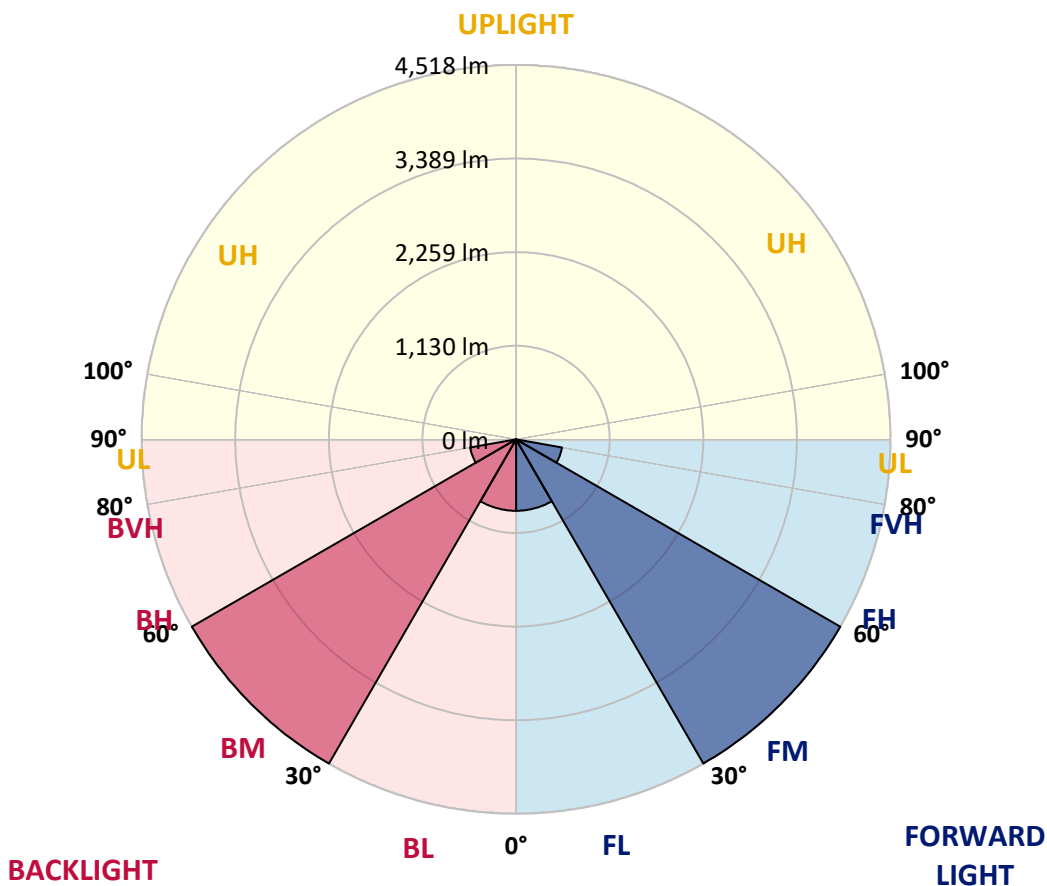
CATALOG NUMBER: GWS-SA4D-830-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	861.9	7.3			
FM (30°-60°)	4518.2	38.0			
FH (60°-80°)	562.6	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	861.9	7.3	B2/1000		
BM (30°-60°)	4518.2	38.0	B3/5000		
BH (60°-80°)	562.6	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





REPORT NUMBER: P637958

CATALOG NUMBER: GWS-SA4D-830-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2	1976.2
2.5°	1962.2	1960.8	1966.4	1970.6	1970.6	1980.3	1977.5	1974.8	1972.0	1967.8	1977.5
5°	1959.4	1958.0	1962.2	1965.0	1962.2	1970.6	1965.0	1959.4	1956.6	1951.1	1962.2
7.5°	1946.9	1948.3	1951.1	1953.8	1949.7	1956.6	1949.7	1941.3	1934.3	1928.7	1938.5
10°	1927.3	1928.7	1931.5	1937.1	1938.5	1948.3	1938.5	1923.2	1913.4	1905.0	1914.8
12.5°	1917.6	1919.0	1923.2	1930.1	1931.5	1944.1	1931.5	1909.2	1895.3	1885.5	1895.3
15°	1920.4	1923.2	1928.7	1937.1	1939.9	1952.4	1935.7	1906.4	1886.9	1874.3	1882.7
17.5°	1930.1	1932.9	1941.3	1955.2	1965.0	1977.5	1956.6	1919.0	1892.5	1874.3	1882.7
20°	1942.7	1946.9	1960.8	1983.1	2004.0	2026.4	1999.9	1948.3	1913.4	1891.1	1898.1
22.5°	1977.5	1981.7	2001.3	2030.5	2065.4	2093.3	2061.2	1995.7	1948.3	1919.0	1925.9
25°	2048.7	2052.9	2078.0	2115.6	2160.2	2196.5	2156.1	2073.8	2012.4	1978.9	1981.7
27.5°	2160.2	2164.4	2193.7	2246.7	2306.7	2358.3	2299.7	2203.5	2133.7	2094.7	2094.7
30°	2301.1	2306.7	2345.7	2416.8	2510.3	2578.6	2499.1	2382.0	2292.7	2239.7	2241.1
32.5°	2482.4	2476.8	2532.6	2630.2	2762.7	2853.4	2736.2	2594.0	2483.8	2409.9	2416.8
35°	2715.3	2713.9	2776.7	2909.1	3082.1	3190.9	3051.4	2867.3	2734.8	2659.5	2660.9
37.5°	3015.1	3013.7	3086.3	3229.9	3437.7	3528.3	3372.2	3185.3	3043.0	2970.5	2978.9
40°	3366.6	3358.2	3422.4	3560.4	3768.2	3826.8	3656.7	3506.0	3369.4	3323.3	3345.7
42.5°	3701.3	3683.2	3720.8	3846.3	4006.7	4015.1	3886.8	3783.6	3690.1	3653.9	3667.8
45°	3970.4	3956.5	3991.4	4063.9	4155.9	4114.1	4052.7	4020.6	3945.3	3906.3	3918.8
47.5°	4171.3	4171.3	4213.1	4257.7	4271.7	4195.0	4204.7	4204.7	4129.4	4068.1	4052.7
50°	4344.2	4356.7	4419.5	4465.5	4419.5	4321.9	4377.7	4366.5	4213.1	4090.4	4058.3
52.5°	4620.3	4632.9	4729.1	4791.9	4740.3	4644.0	4651.0	4511.5	4285.6	4140.6	4090.4
55°	4913.2	4943.9	5083.3	5250.7	5252.1	5153.1	4969.0	4722.1	4447.4	4289.8	4238.2
57.5°	4529.7	4571.5	4779.3	5182.4	5473.8	5405.5	4966.2	4532.5	4161.5	3946.7	3917.4
60°	3116.9	3189.5	3397.3	3948.1	4510.2	4536.6	4017.9	3531.1	3105.8	2840.8	2846.4
62.5°	1316.5	1390.4	1507.6	1960.8	2476.8	2508.9	2257.9	1909.2	1562.0	1370.9	1400.2
65°	309.6	330.5	365.4	542.5	786.6	822.8	758.7	591.3	436.5	369.6	376.5
67.5°	135.3	138.1	131.1	139.5	172.9	177.1	171.5	150.6	142.2	145.0	145.0
70°	94.8	96.2	90.6	86.5	82.3	76.7	79.5	87.9	94.8	100.4	99.0
72.5°	58.6	60.0	61.4	61.4	57.2	51.6	54.4	60.0	61.4	62.8	61.4
75°	29.3	30.7	33.5	34.9	33.5	32.1	32.1	33.5	33.5	32.1	32.1
77.5°	5.6	7.0	9.8	11.2	11.2	11.2	11.2	11.2	12.6	11.2	11.2
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)