

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: P637353

Luminaire Tested: GWS-SA4C-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637353
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-SA4C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11965.8 lumens
Efficiency: N/A
Efficacy: 93.1 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): 128.5
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

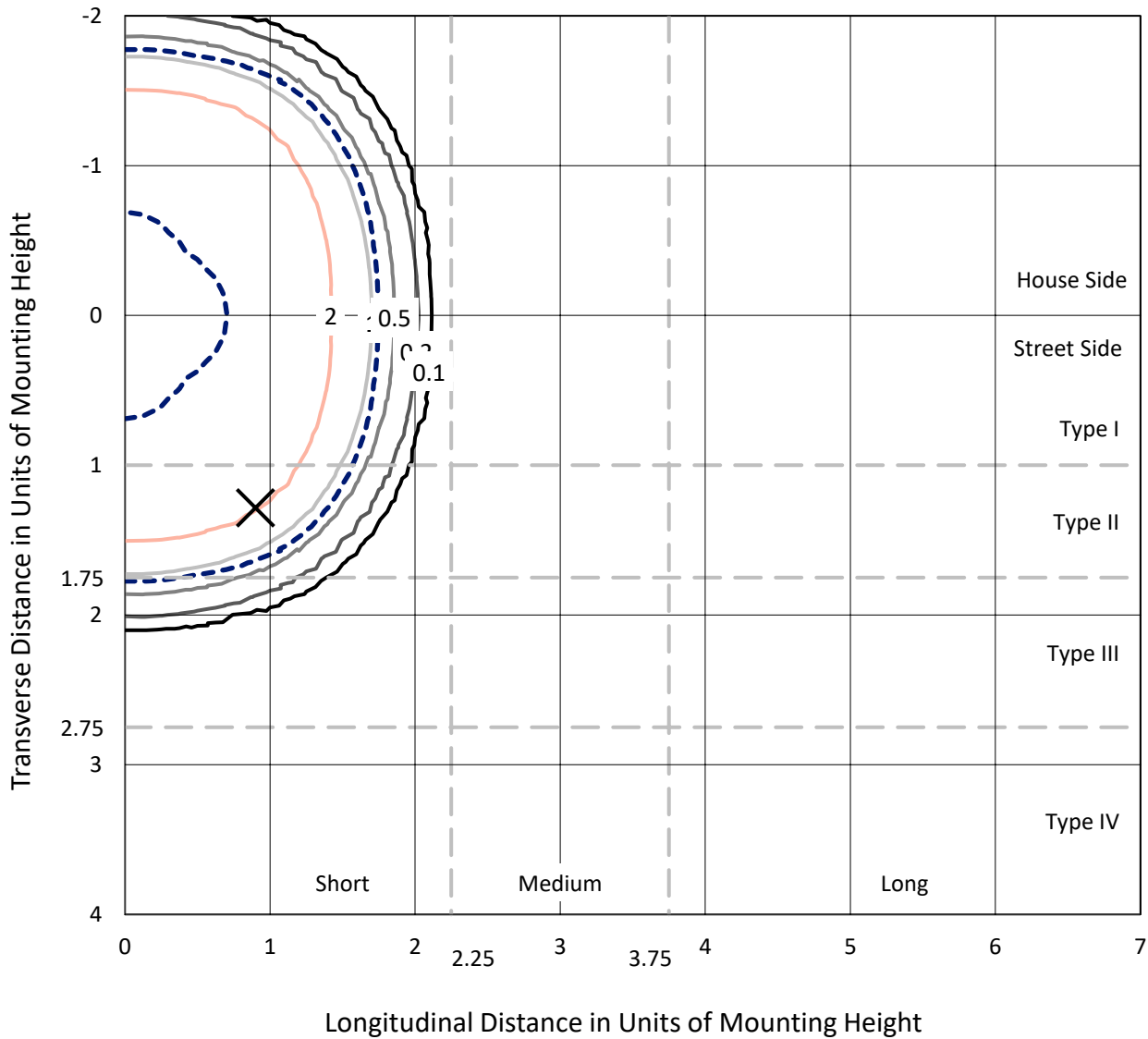


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Iso-Footcandle Lines of Horizontal Illumination

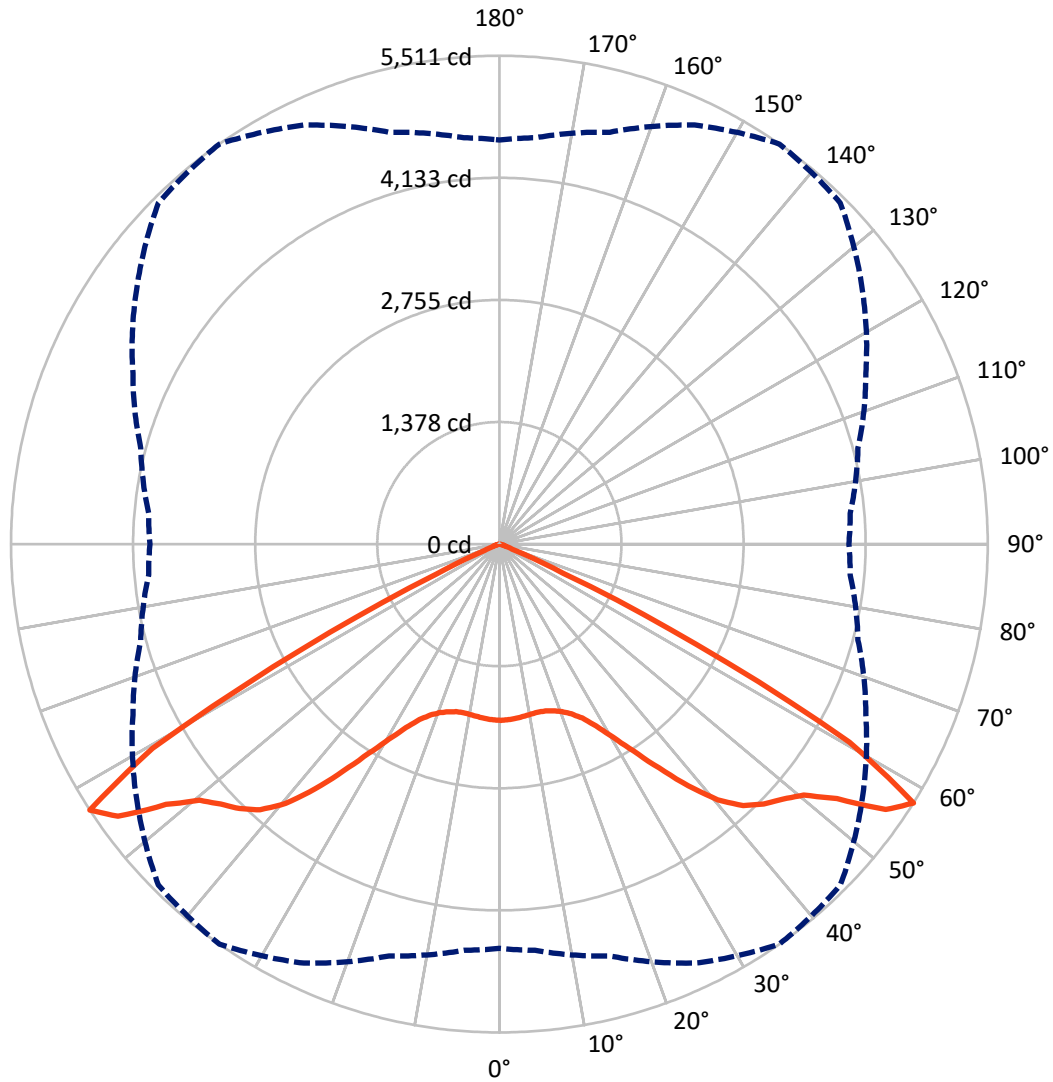
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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
House Side	Lumens	5982.9	0.0	5982.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5982.9	0.0	5982.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11965.8	0.0	11965.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	1.6
10°-20°	551.4	4.6
20°-30°	996.6	8.3
30°-40°	1859.3	15.5
40°-50°	3118.9	26.1
50°-60°	4118.8	34.4
60°-70°	1093.9	9.1
70°-80°	38.8	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°	11965.8	100.0
0°-180°	11965.8	100.0

Coefficient of Utilization



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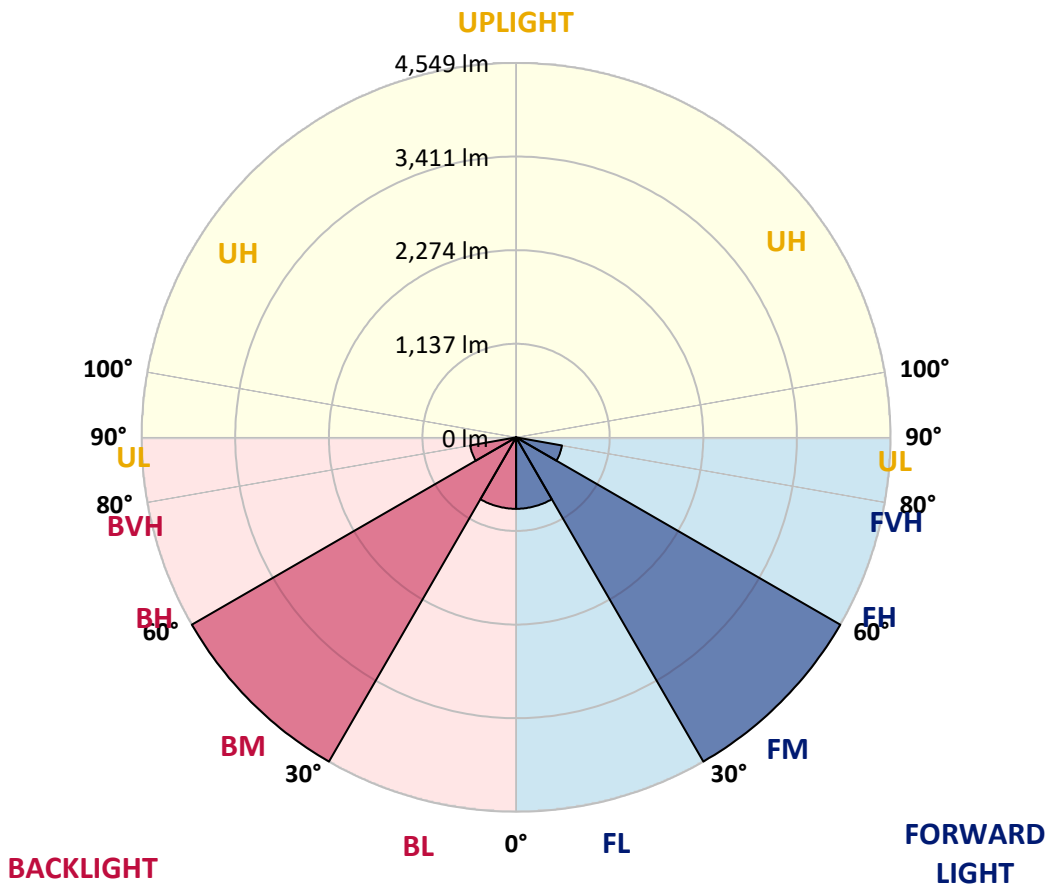
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	867.7	7.3			
FM (30°-60°)	4548.5	38.0			
FH (60°-80°)	566.4	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	867.7	7.3	B2/1000		
BM (30°-60°)	4548.5	38.0	B3/5000		
BH (60°-80°)	566.4	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°	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4	1989.4
2.5°	1975.4	1974.0	1979.6	1983.8	1983.8	1993.6	1990.8	1988.0	1985.2	1981.0	1990.8
5°	1972.6	1971.2	1975.4	1978.2	1975.4	1983.8	1978.2	1972.6	1969.8	1964.2	1975.4
7.5°	1959.9	1961.3	1964.2	1967.0	1962.7	1969.8	1962.7	1954.3	1947.3	1941.7	1951.5
10°	1940.3	1941.7	1944.5	1950.1	1951.5	1961.3	1951.5	1936.1	1926.2	1917.8	1927.6
12.5°	1930.5	1931.9	1936.1	1943.1	1944.5	1957.1	1944.5	1922.0	1908.0	1898.2	1908.0
15°	1933.3	1936.1	1941.7	1950.1	1952.9	1965.6	1948.7	1919.2	1899.6	1886.9	1895.4
17.5°	1943.1	1945.9	1954.3	1968.4	1978.2	1990.8	1969.8	1931.9	1905.2	1886.9	1895.4
20°	1955.7	1959.9	1974.0	1996.4	2017.5	2040.0	2013.3	1961.3	1926.2	1903.8	1910.8
22.5°	1990.8	1995.0	2014.7	2044.2	2079.3	2107.4	2075.1	2009.1	1961.3	1931.9	1938.9
25°	2062.4	2066.6	2091.9	2129.8	2174.7	2211.2	2170.5	2087.7	2025.9	1992.2	1995.0
27.5°	2174.7	2179.0	2208.4	2261.8	2322.2	2374.1	2315.1	2218.3	2148.1	2108.8	2108.8
30°	2316.5	2322.2	2361.5	2433.1	2527.1	2595.9	2515.9	2398.0	2308.1	2254.8	2256.2
32.5°	2499.1	2493.4	2549.6	2647.9	2781.3	2872.5	2754.6	2611.4	2500.5	2426.1	2433.1
35°	2733.5	2732.1	2795.3	2928.7	3102.8	3212.3	3071.9	2886.6	2753.2	2677.4	2678.8
37.5°	3035.4	3034.0	3107.0	3251.6	3460.8	3552.0	3394.8	3206.7	3063.5	2990.5	2998.9
40°	3389.2	3380.8	3445.3	3584.3	3793.5	3852.5	3681.2	3529.6	3392.0	3345.7	3368.1
42.5°	3726.1	3707.9	3745.8	3872.1	4033.6	4042.0	3912.9	3809.0	3714.9	3678.4	3692.4
45°	3997.1	3983.1	4018.2	4091.2	4183.8	4141.7	4079.9	4047.6	3971.8	3932.5	3945.1
47.5°	4199.3	4199.3	4241.4	4286.3	4300.4	4223.1	4233.0	4233.0	4157.1	4095.4	4079.9
50°	4373.4	4386.0	4449.2	4495.5	4449.2	4350.9	4407.1	4395.8	4241.4	4117.8	4085.5
52.5°	4651.3	4664.0	4760.9	4824.0	4772.1	4675.2	4682.2	4541.8	4314.4	4168.4	4117.8
55°	4946.2	4977.1	5117.5	5285.9	5287.3	5187.7	5002.3	4753.8	4477.3	4318.6	4266.7
57.5°	4560.1	4602.2	4811.4	5217.1	5510.6	5441.8	4999.5	4562.9	4189.4	3973.2	3943.7
60°	3137.9	3210.9	3420.1	3974.6	4540.4	4567.1	4044.8	3554.8	3126.6	2859.9	2865.5
62.5°	1325.3	1399.8	1517.7	1974.0	2493.4	2525.7	2273.0	1922.0	1572.4	1380.1	1409.6
65°	311.7	332.7	367.8	546.1	791.8	828.3	763.8	595.3	439.4	372.1	379.1
67.5°	136.2	139.0	132.0	140.4	174.1	178.3	172.7	151.6	143.2	146.0	146.0
70°	95.5	96.9	91.3	87.0	82.8	77.2	80.0	88.4	95.5	101.1	99.7
72.5°	59.0	60.4	61.8	61.8	57.6	51.9	54.8	60.4	61.8	63.2	61.8
75°	29.5	30.9	33.7	35.1	33.7	32.3	32.3	33.7	33.7	32.3	32.3
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)