

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: P637243

Luminaire Tested: GWS-SA4C-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637243
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11860.3 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

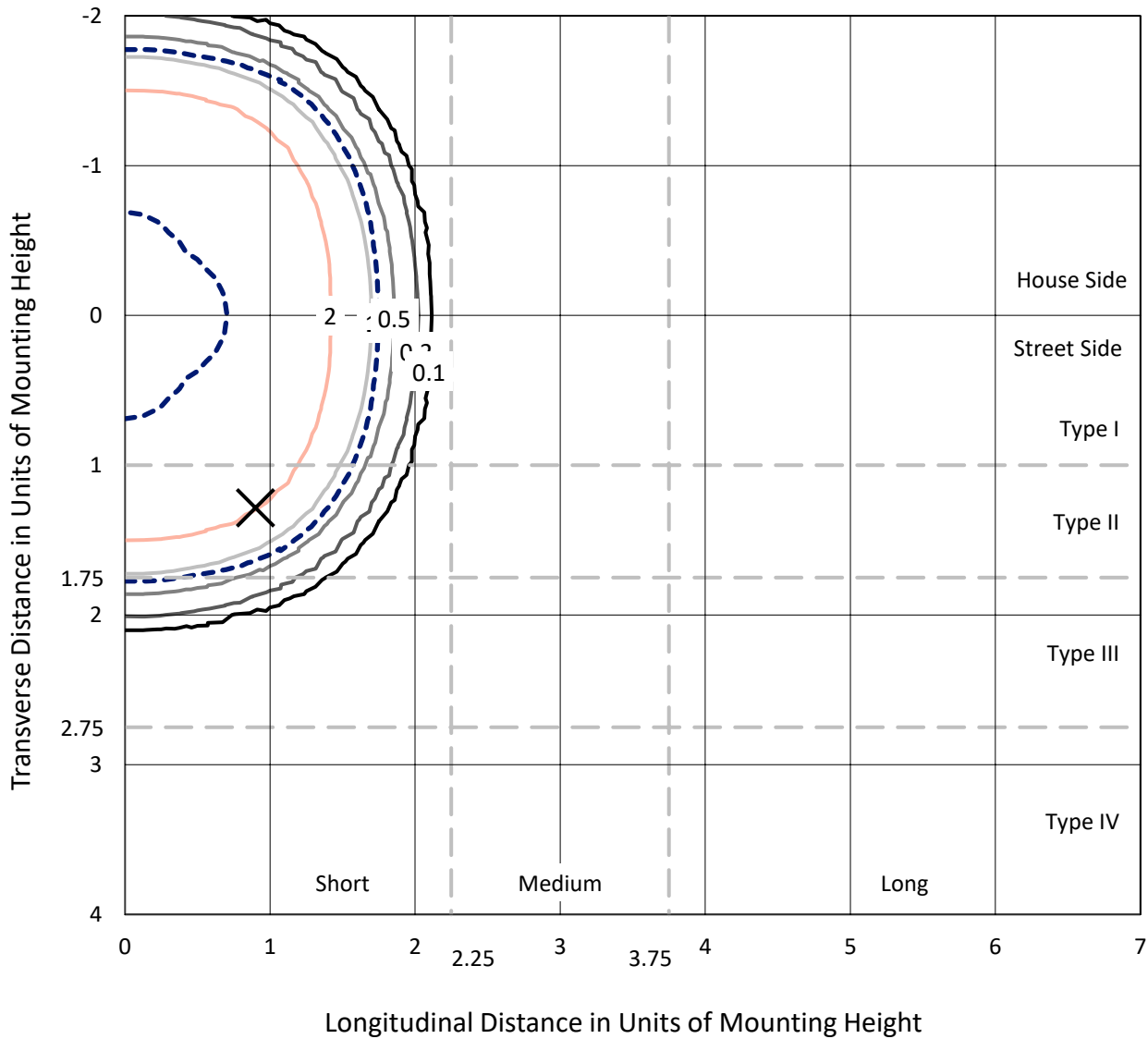
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

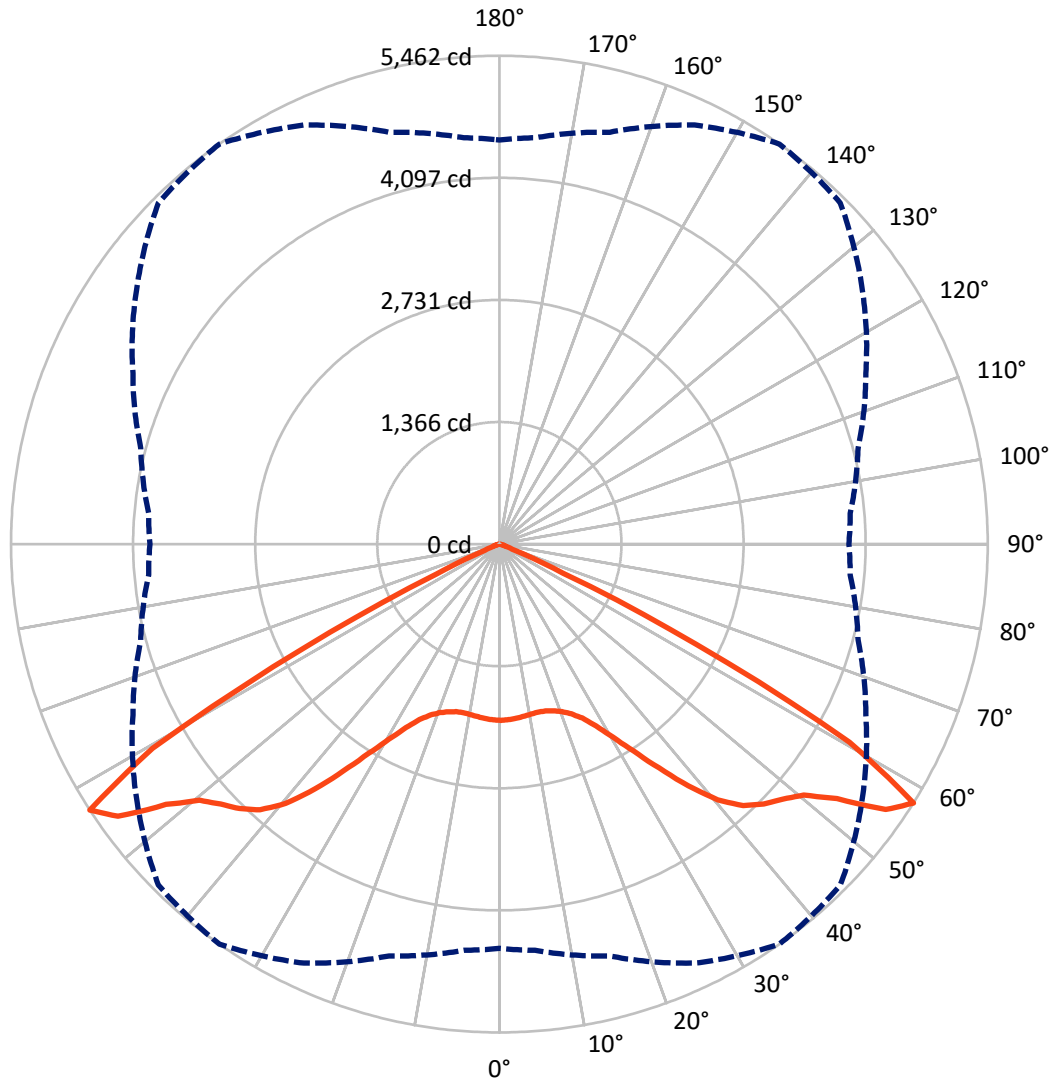
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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
House Side	Lumens	5930.1	0.0	5930.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5930.1	0.0	5930.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11860.3	0.0	11860.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	1.6
10°-20°	546.5	4.6
20°-30°	987.8	8.3
30°-40°	1842.9	15.5
40°-50°	3091.4	26.1
50°-60°	4082.5	34.4
60°-70°	1084.2	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°	11860.3	100.0
0°-180°	11860.3	100.0

Coefficient of Utilization



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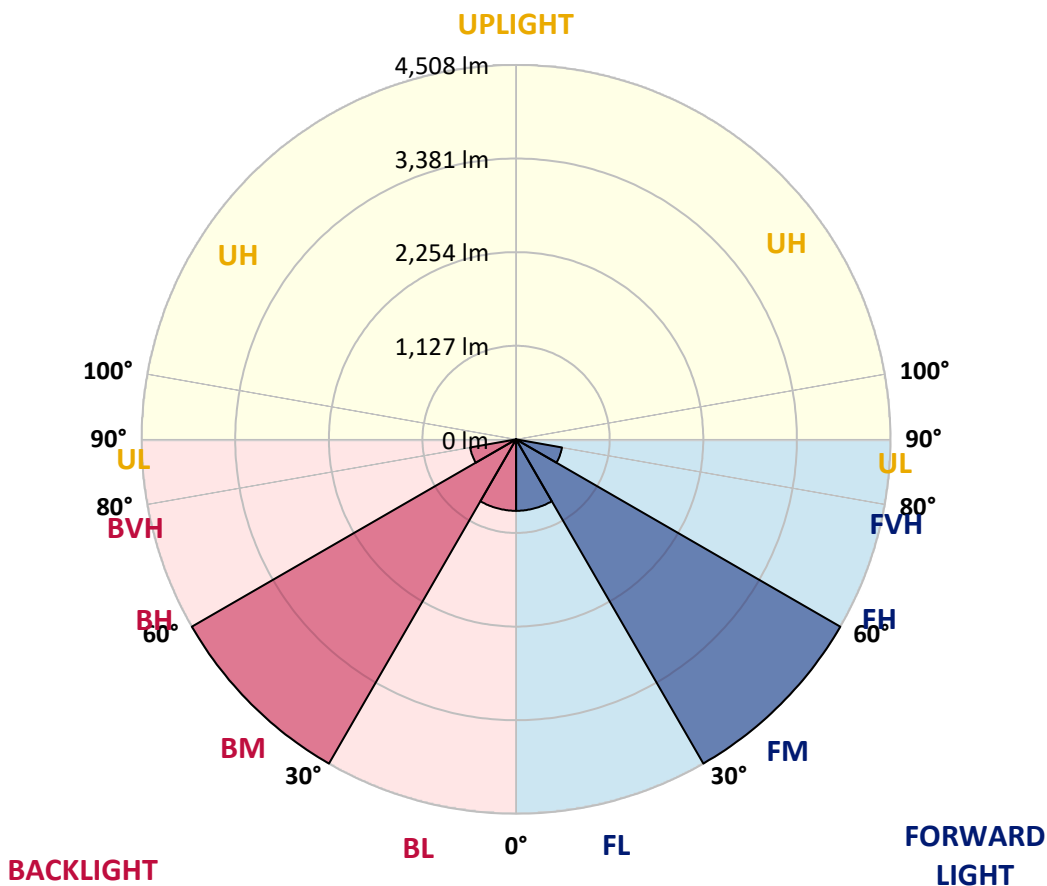
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.0	7.3			
FM (30°-60°)	4508.4	38.0			
FH (60°-80°)	561.4	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	860.0	7.3	B2/1000		
BM (30°-60°)	4508.4	38.0	B3/5000		
BH (60°-80°)	561.4	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°	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9	1971.9
2.5°	1958.0	1956.6	1962.1	1966.3	1966.3	1976.1	1973.3	1970.5	1967.7	1963.5	1973.3
5°	1955.2	1953.8	1958.0	1960.7	1958.0	1966.3	1960.7	1955.2	1952.4	1946.8	1958.0
7.5°	1942.7	1944.0	1946.8	1949.6	1945.4	1952.4	1945.4	1937.1	1930.1	1924.6	1934.3
10°	1923.2	1924.6	1927.4	1932.9	1934.3	1944.0	1934.3	1919.0	1909.3	1900.9	1910.7
12.5°	1913.4	1914.8	1919.0	1926.0	1927.4	1939.9	1927.4	1905.1	1891.2	1881.4	1891.2
15°	1916.2	1919.0	1924.6	1932.9	1935.7	1948.2	1931.5	1902.3	1882.8	1870.3	1878.6
17.5°	1926.0	1928.7	1937.1	1951.0	1960.7	1973.3	1952.4	1914.8	1888.4	1870.3	1878.6
20°	1938.5	1942.7	1956.6	1978.8	1999.7	2022.0	1995.5	1944.0	1909.3	1887.0	1894.0
22.5°	1973.3	1977.4	1996.9	2026.2	2060.9	2088.8	2056.8	1991.4	1944.0	1914.8	1921.8
25°	2044.2	2048.4	2073.5	2111.0	2155.6	2191.8	2151.4	2069.3	2008.1	1974.7	1977.4
27.5°	2155.6	2159.7	2189.0	2241.8	2301.7	2353.2	2294.7	2198.7	2129.1	2090.2	2090.2
30°	2296.1	2301.7	2340.7	2411.6	2504.9	2573.0	2493.7	2376.8	2287.8	2234.9	2236.3
32.5°	2477.0	2471.5	2527.1	2624.5	2756.7	2847.2	2730.3	2588.4	2478.4	2404.7	2411.6
35°	2709.4	2708.0	2770.7	2902.9	3075.4	3184.0	3044.8	2861.1	2728.9	2653.8	2655.2
37.5°	3008.6	3007.2	3079.6	3222.9	3430.3	3520.7	3364.9	3178.4	3036.4	2964.1	2972.4
40°	3359.3	3350.9	3415.0	3552.7	3760.1	3818.5	3648.7	3498.5	3362.1	3316.2	3338.4
42.5°	3693.3	3675.2	3712.8	3838.0	3998.0	4006.4	3878.4	3775.4	3682.1	3646.0	3659.9
45°	3961.9	3947.9	3982.7	4055.1	4146.9	4105.2	4044.0	4012.0	3936.8	3897.8	3910.4
47.5°	4162.2	4162.2	4204.0	4248.5	4262.4	4185.9	4195.6	4195.6	4120.5	4059.3	4044.0
50°	4334.8	4347.3	4409.9	4455.9	4409.9	4312.5	4368.2	4357.1	4204.0	4081.5	4049.5
52.5°	4610.3	4622.9	4718.9	4781.5	4730.0	4634.0	4640.9	4501.8	4276.4	4131.6	4081.5
55°	4902.6	4933.2	5072.3	5239.3	5240.7	5141.9	4958.2	4711.9	4437.8	4280.5	4229.0
57.5°	4519.9	4561.6	4769.0	5171.1	5462.0	5393.8	4955.4	4522.7	4152.5	3938.2	3909.0
60°	3110.2	3182.6	3389.9	3939.6	4500.4	4526.8	4009.2	3523.5	3099.1	2834.7	2840.2
62.5°	1313.7	1387.4	1504.3	1956.6	2471.5	2503.5	2253.0	1905.1	1558.6	1367.9	1397.2
65°	308.9	329.8	364.6	541.3	784.9	821.0	757.0	590.0	435.6	368.8	375.7
67.5°	135.0	137.8	130.8	139.2	172.6	176.7	171.2	150.3	141.9	144.7	144.7
70°	94.6	96.0	90.5	86.3	82.1	76.5	79.3	87.7	94.6	100.2	98.8
72.5°	58.4	59.8	61.2	61.2	57.1	51.5	54.3	59.8	61.2	62.6	61.2
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)