

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: P642144

Luminaire Tested: GWS-SA6C-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14738.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.2
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

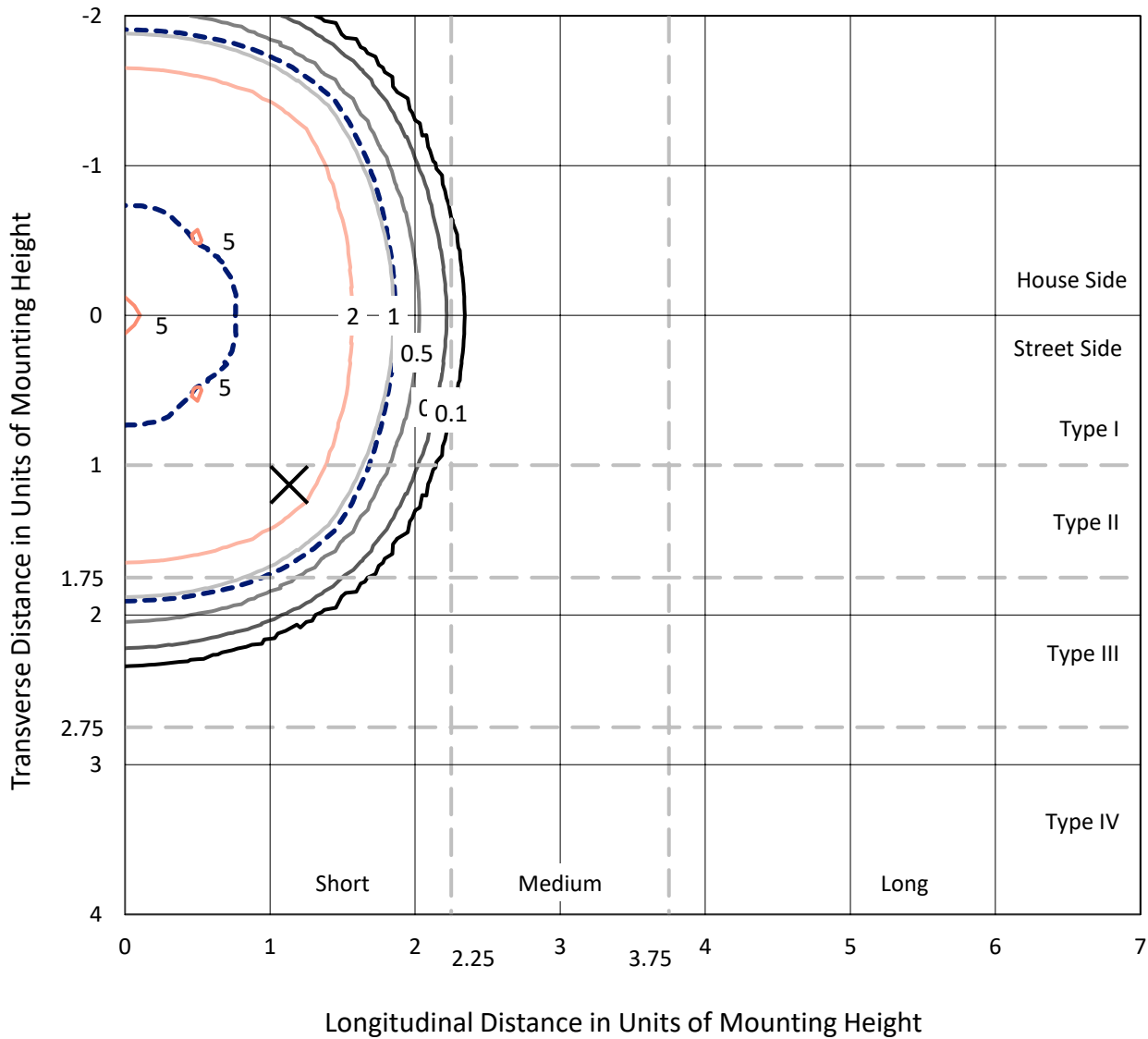


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Iso-Footcandle Lines of Horizontal Illumination

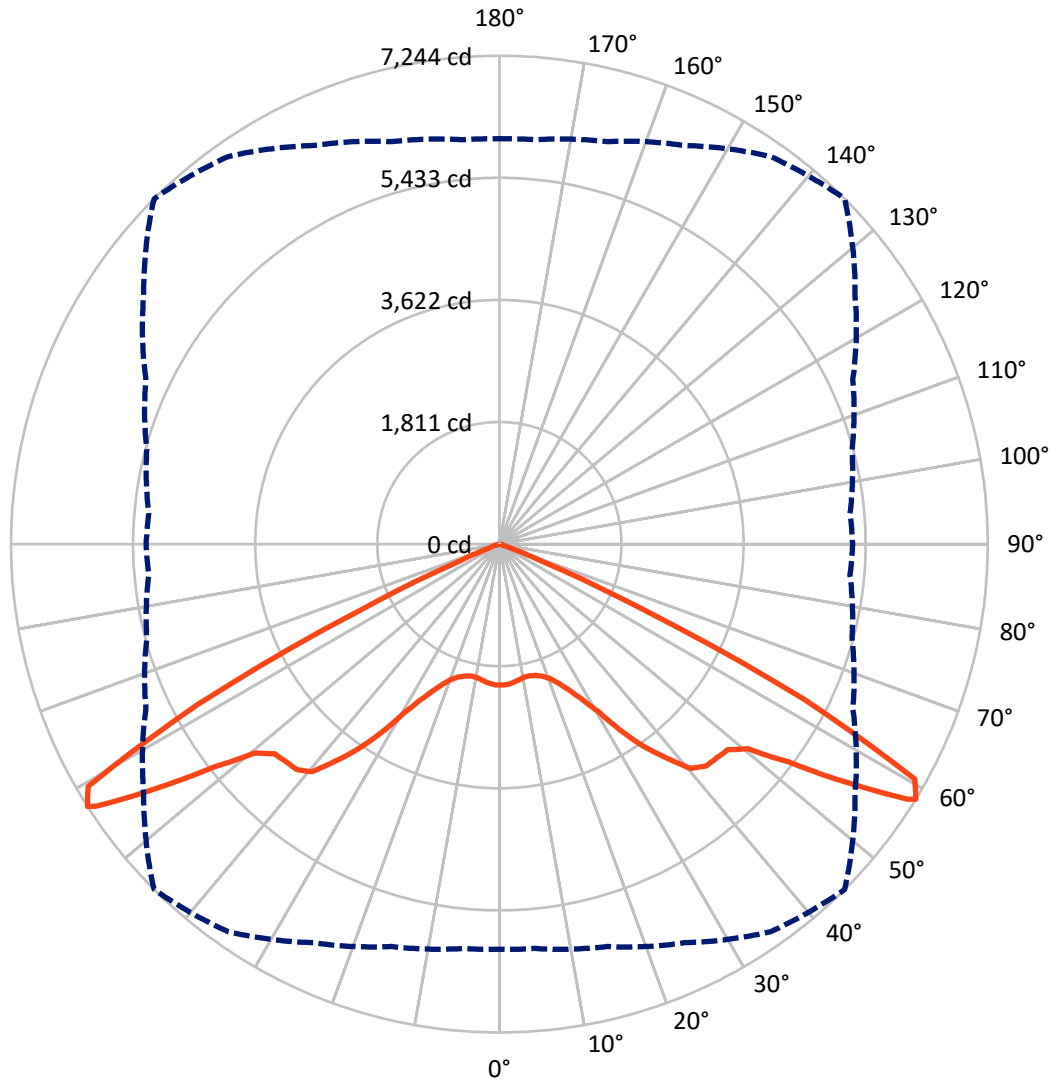
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7369.0	0.0	7369.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7369.0	0.0	7369.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14738.1	0.0	14738.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.0	1.3
10°-20°	577.0	3.9
20°-30°	1091.3	7.4
30°-40°	2152.3	14.6
40°-50°	3405.9	23.1
50°-60°	5006.5	34.0
60°-70°	2234.7	15.2
70°-80°	74.9	0.5
80°-90°	0.6	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°	14738.1	100.0
0°-180°	14738.1	100.0

Coefficient of Utilization



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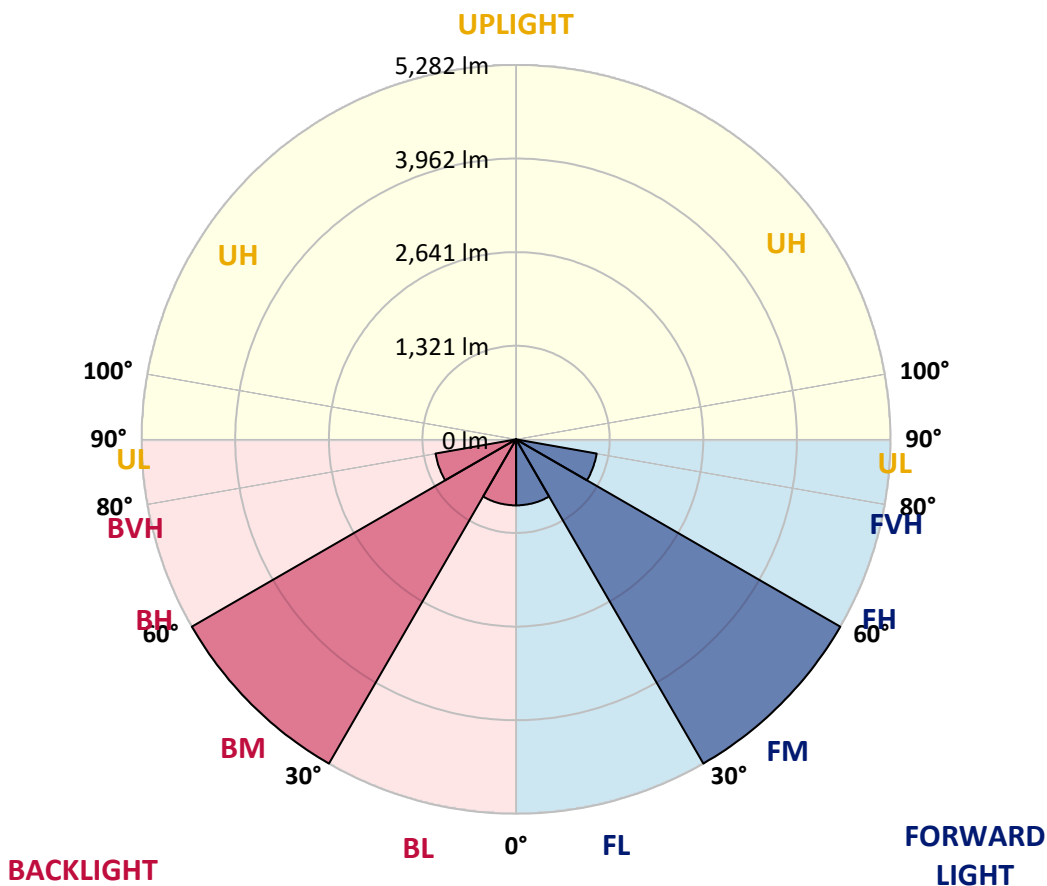
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.6	6.3			
FM (30°-60°)	5282.3	35.8			
FH (60°-80°)	1154.8	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	931.6	6.3	B2/1000		
BM (30°-60°)	5282.3	35.8	B4/8500		
BH (60°-80°)	1154.8	7.8	B3/2500		G1/1800
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: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2070.0	2074.0	2078.0	2080.0	2082.0	2088.1	2090.1	2084.0	2084.0	2072.0	2086.0
5°	2059.9	2064.0	2068.0	2066.0	2066.0	2066.0	2064.0	2055.9	2053.9	2041.9	2055.9
7.5°	2041.9	2045.9	2045.9	2039.9	2035.8	2035.8	2033.8	2023.8	2021.8	2009.7	2023.8
10°	2027.8	2029.8	2027.8	2015.8	2007.7	2007.7	2005.7	2001.7	2003.7	1995.7	2007.7
12.5°	2035.8	2037.9	2029.8	2013.8	2003.7	2001.7	1995.7	1989.7	1995.7	1993.7	2005.7
15°	2062.0	2064.0	2049.9	2029.8	2021.8	2021.8	2005.7	1989.7	1997.7	1999.7	2013.8
17.5°	2094.1	2094.1	2076.0	2057.9	2059.9	2059.9	2033.8	2005.7	2007.7	2015.8	2029.8
20°	2132.2	2132.2	2114.2	2110.1	2124.2	2126.2	2094.1	2049.9	2039.9	2045.9	2062.0
22.5°	2200.5	2200.5	2186.4	2196.5	2228.6	2238.6	2190.4	2128.2	2104.1	2108.1	2124.2
25°	2306.9	2306.9	2302.9	2327.0	2373.2	2395.2	2331.0	2248.7	2208.5	2202.5	2220.6
27.5°	2485.6	2487.6	2481.6	2517.7	2575.9	2602.0	2513.7	2405.3	2357.1	2347.0	2365.1
30°	2716.5	2716.5	2718.5	2768.7	2845.0	2879.1	2762.7	2636.2	2579.9	2547.8	2571.9
32.5°	2973.5	2977.5	2997.6	3081.9	3216.4	3286.7	3116.0	2939.3	2849.0	2814.9	2841.0
35°	3397.1	3359.0	3334.9	3397.1	3591.8	3684.2	3465.4	3258.6	3190.3	3186.3	3252.5
37.5°	3816.7	3794.6	3744.4	3808.7	3983.4	4025.5	3784.6	3611.9	3563.7	3589.8	3656.1
40°	4150.0	4109.8	4043.6	4103.8	4332.7	4374.9	4077.7	3907.1	3889.0	3947.2	4037.6
42.5°	4413.0	4356.8	4268.5	4282.5	4467.2	4497.3	4234.3	4105.8	4117.9	4190.2	4292.6
45°	4531.5	4487.3	4409.0	4403.0	4519.4	4521.4	4314.6	4248.4	4280.5	4336.7	4417.0
47.5°	4581.7	4561.6	4517.4	4507.4	4573.6	4557.6	4429.1	4401.0	4431.1	4447.1	4493.3
50°	4706.1	4706.1	4712.2	4720.2	4788.5	4772.4	4682.1	4649.9	4611.8	4555.6	4569.6
52.5°	5055.5	5069.5	5127.8	5192.0	5316.5	5368.7	5222.1	5035.4	4852.7	4730.2	4730.2
55°	5685.9	5700.0	5768.2	5876.7	6105.5	6230.0	5888.7	5477.1	5226.2	5059.5	5081.6
57.5°	6033.3	6049.3	6189.9	6483.0	6926.7	7137.5	6404.7	5794.3	5443.0	5252.3	5268.3
58°	6011.2	6021.2	6179.8	6523.2	7017.1	7243.9	6440.8	5784.3	5414.9	5220.1	5240.2
60°	5340.6	5326.5	5579.5	6069.4	6766.1	7079.3	6081.4	5280.4	4850.7	4651.9	4662.0
62.5°	3491.5	3499.5	3718.3	4230.3	4772.4	5067.5	4248.4	3652.1	3306.8	3186.3	3156.2
65°	1457.6	1431.5	1566.0	1851.1	2176.4	2341.0	2011.8	1702.6	1489.7	1409.4	1431.5
67.5°	375.4	365.4	373.4	467.8	572.2	676.6	568.2	433.7	377.5	381.5	381.5
70°	212.8	200.8	162.6	150.6	146.6	146.6	146.6	146.6	168.7	198.8	204.8
72.5°	160.6	150.6	118.5	102.4	90.3	84.3	88.3	102.4	122.5	148.6	152.6
75°	80.3	80.3	72.3	68.3	60.2	56.2	58.2	64.2	74.3	84.3	82.3
77.5°	16.1	18.1	20.1	24.1	20.1	20.1	20.1	24.1	24.1	26.1	24.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)