

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: P642254

Luminaire Tested: GWS-SA6C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642254
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15285.3 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

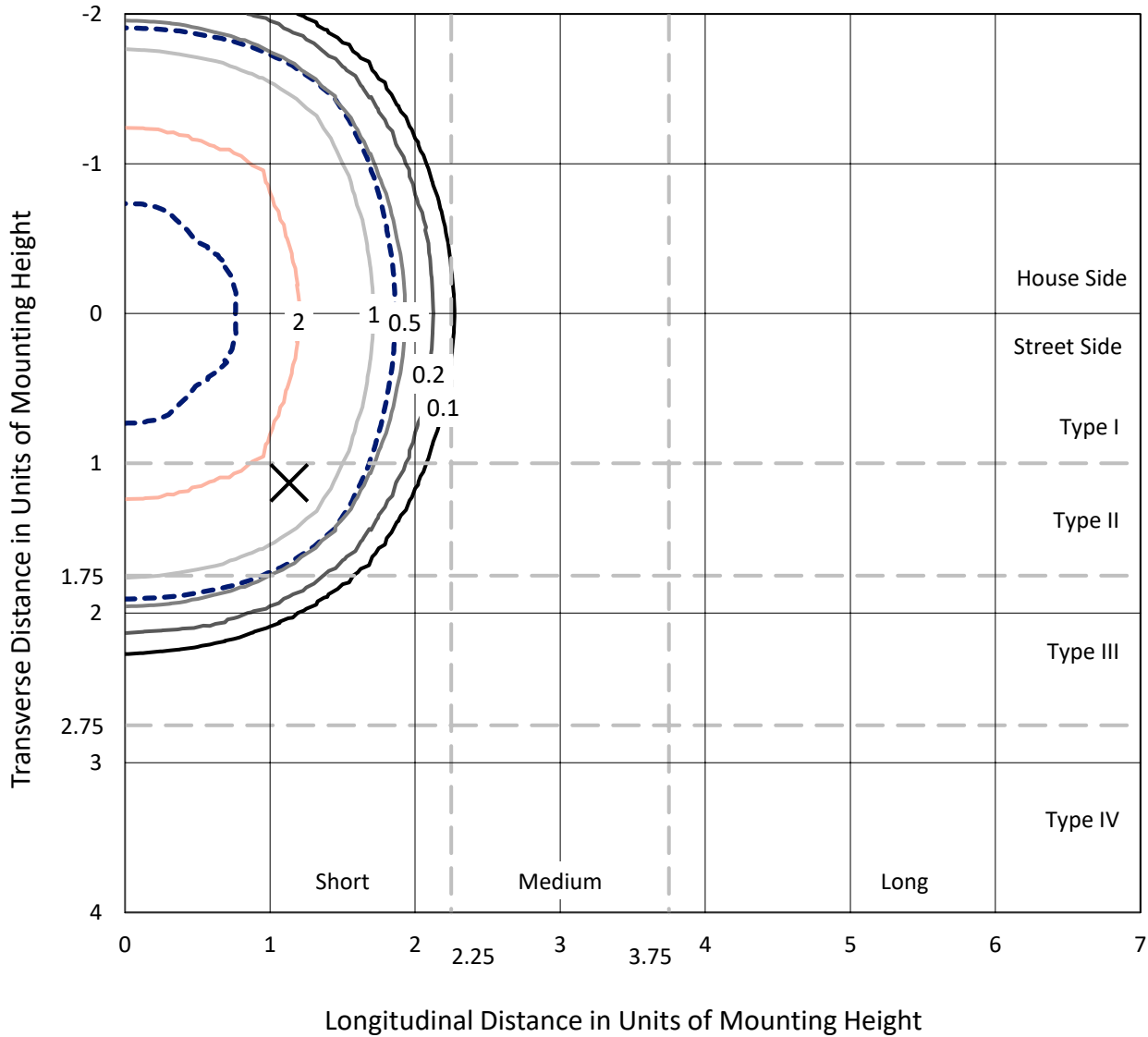
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

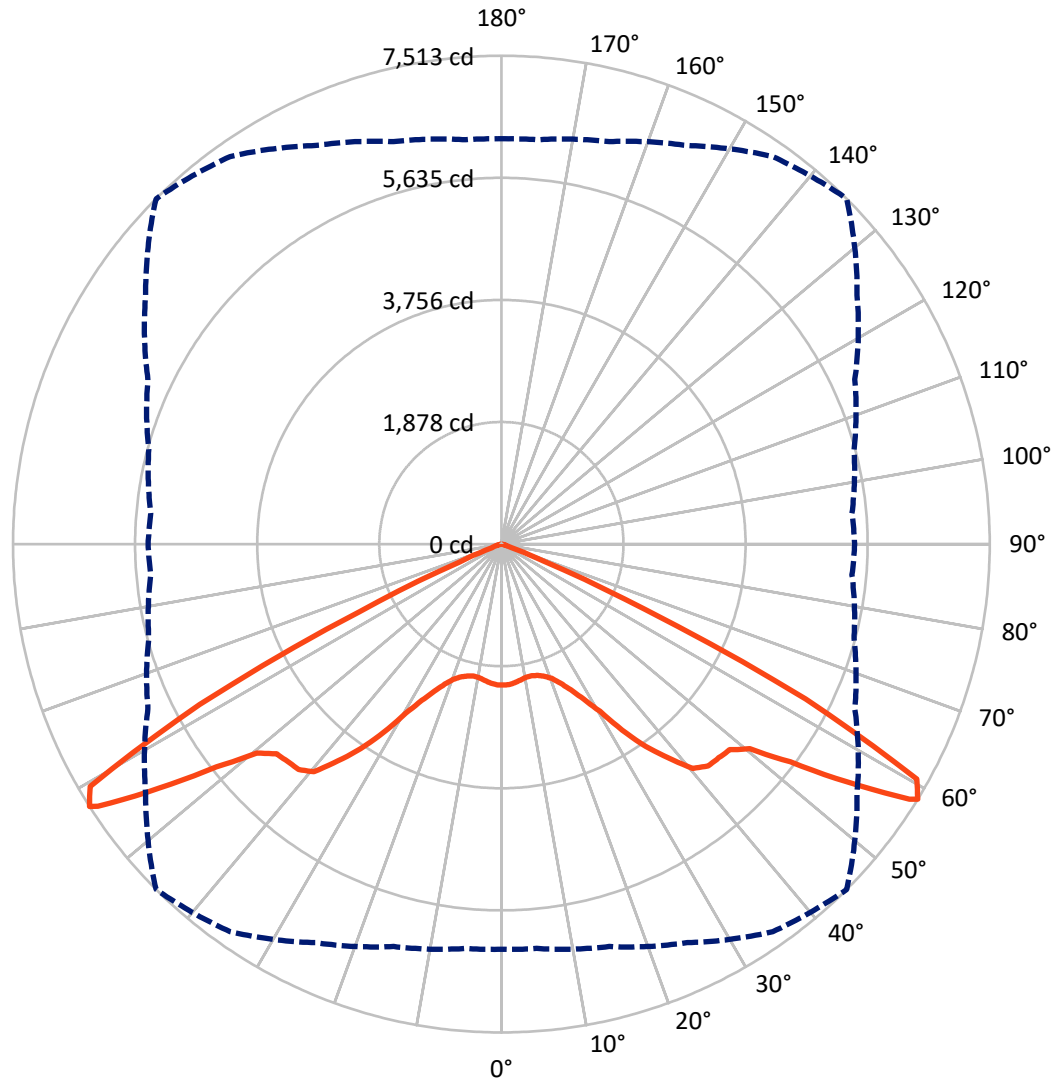
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	7642.7	0.0	7642.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7642.7	0.0	7642.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15285.3	0.0	15285.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	1.3
10°-20°	598.4	3.9
20°-30°	1131.8	7.4
30°-40°	2232.2	14.6
40°-50°	3532.4	23.1
50°-60°	5192.4	34.0
60°-70°	2317.7	15.2
70°-80°	77.7	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°	15285.3	100.0
0°-180°	15285.3	100.0

Coefficient of Utilization



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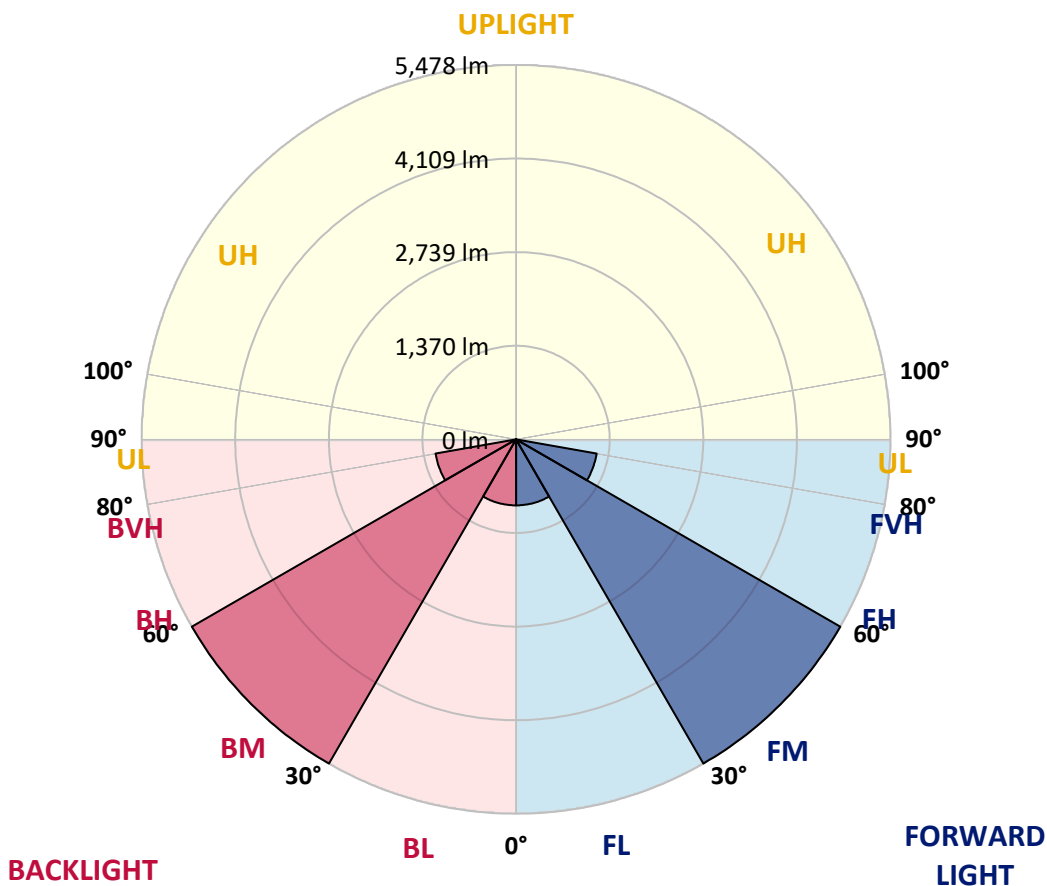
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.2	6.3			
FM (30°-60°)	5478.4	35.8			
FH (60°-80°)	1197.7	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	966.2	6.3	B2/1000		
BM (30°-60°)	5478.4	35.8	B4/8500		
BH (60°-80°)	1197.7	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°	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7	2167.7
2.5°	2146.8	2151.0	2155.2	2157.2	2159.3	2165.6	2167.7	2161.4	2161.4	2148.9	2163.5
5°	2136.4	2140.6	2144.8	2142.7	2142.7	2142.7	2140.6	2132.3	2130.2	2117.7	2132.3
7.5°	2117.7	2121.8	2121.8	2115.6	2111.4	2111.4	2109.4	2098.9	2096.9	2084.4	2098.9
10°	2103.1	2105.2	2103.1	2090.6	2082.3	2082.3	2080.2	2076.0	2078.1	2069.8	2082.3
12.5°	2111.4	2113.5	2105.2	2088.5	2078.1	2076.0	2069.8	2063.5	2069.8	2067.7	2080.2
15°	2138.5	2140.6	2126.0	2105.2	2096.9	2096.9	2080.2	2063.5	2071.9	2074.0	2088.5
17.5°	2171.8	2171.8	2153.1	2134.3	2136.4	2136.4	2109.4	2080.2	2082.3	2090.6	2105.2
20°	2211.4	2211.4	2192.6	2188.5	2203.1	2205.1	2171.8	2126.0	2115.6	2121.8	2138.5
22.5°	2282.2	2282.2	2267.6	2278.0	2311.3	2321.7	2271.8	2207.2	2182.2	2186.4	2203.1
25°	2392.5	2392.5	2388.4	2413.4	2461.3	2484.2	2417.5	2332.2	2290.5	2284.3	2303.0
27.5°	2577.9	2580.0	2573.7	2611.2	2671.6	2698.6	2607.0	2494.6	2444.6	2434.2	2452.9
30°	2817.3	2817.3	2819.4	2871.5	2950.6	2986.0	2865.2	2734.0	2675.7	2642.4	2667.4
32.5°	3083.9	3088.0	3108.9	3196.3	3335.8	3408.7	3231.7	3048.5	2954.8	2919.4	2946.4
35°	3523.2	3483.7	3458.7	3523.2	3725.2	3821.0	3594.0	3379.5	3308.8	3304.6	3373.3
37.5°	3958.4	3935.5	3883.5	3950.1	4131.3	4175.0	3925.1	3746.0	3696.1	3723.1	3791.8
40°	4304.1	4262.4	4193.7	4256.2	4493.6	4537.3	4229.1	4052.1	4033.4	4093.8	4187.5
42.5°	4576.9	4518.6	4426.9	4441.5	4633.1	4664.3	4391.5	4258.3	4270.8	4345.7	4451.9
45°	4699.7	4653.9	4572.7	4566.5	4687.2	4689.3	4474.8	4406.1	4439.4	4497.7	4581.0
47.5°	4751.8	4731.0	4685.1	4674.7	4743.4	4726.8	4593.5	4564.4	4595.6	4612.3	4660.2
50°	4880.9	4880.9	4887.1	4895.5	4966.3	4949.6	4855.9	4822.6	4783.0	4724.7	4739.3
52.5°	5243.2	5257.8	5318.2	5384.8	5513.9	5568.0	5416.0	5222.4	5032.9	4905.9	4905.9
55°	5897.0	5911.6	5982.4	6094.8	6332.2	6461.3	6107.3	5680.5	5420.2	5247.4	5270.3
57.5°	6257.3	6273.9	6419.7	6723.7	7183.9	7402.5	6642.5	6009.5	5645.1	5447.3	5463.9
58°	6234.4	6244.8	6409.3	6765.3	7277.6	7512.9	6680.0	5999.1	5615.9	5413.9	5434.8
60°	5538.9	5524.3	5786.7	6294.7	7017.3	7342.1	6307.2	5476.4	5030.8	4824.7	4835.1
62.5°	3621.1	3629.4	3856.4	4387.4	4949.6	5255.7	4406.1	3787.7	3429.5	3304.6	3273.4
65°	1511.7	1484.7	1624.2	1919.9	2257.2	2427.9	2086.4	1765.8	1545.1	1461.8	1484.7
67.5°	389.4	379.0	387.3	485.2	593.5	701.7	589.3	449.8	391.5	395.6	395.6
70°	220.7	208.2	168.7	156.2	152.0	152.0	152.0	152.0	174.9	206.1	212.4
72.5°	166.6	156.2	122.9	106.2	93.7	87.5	91.6	106.2	127.0	154.1	158.3
75°	83.3	83.3	75.0	70.8	62.5	58.3	60.4	66.6	77.0	87.5	85.4
77.5°	16.7	18.7	20.8	25.0	20.8	20.8	20.8	25.0	25.0	27.1	25.0
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
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)