

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: P642199

Luminaire Tested: GWS-SA6C-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642199
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14942.9 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

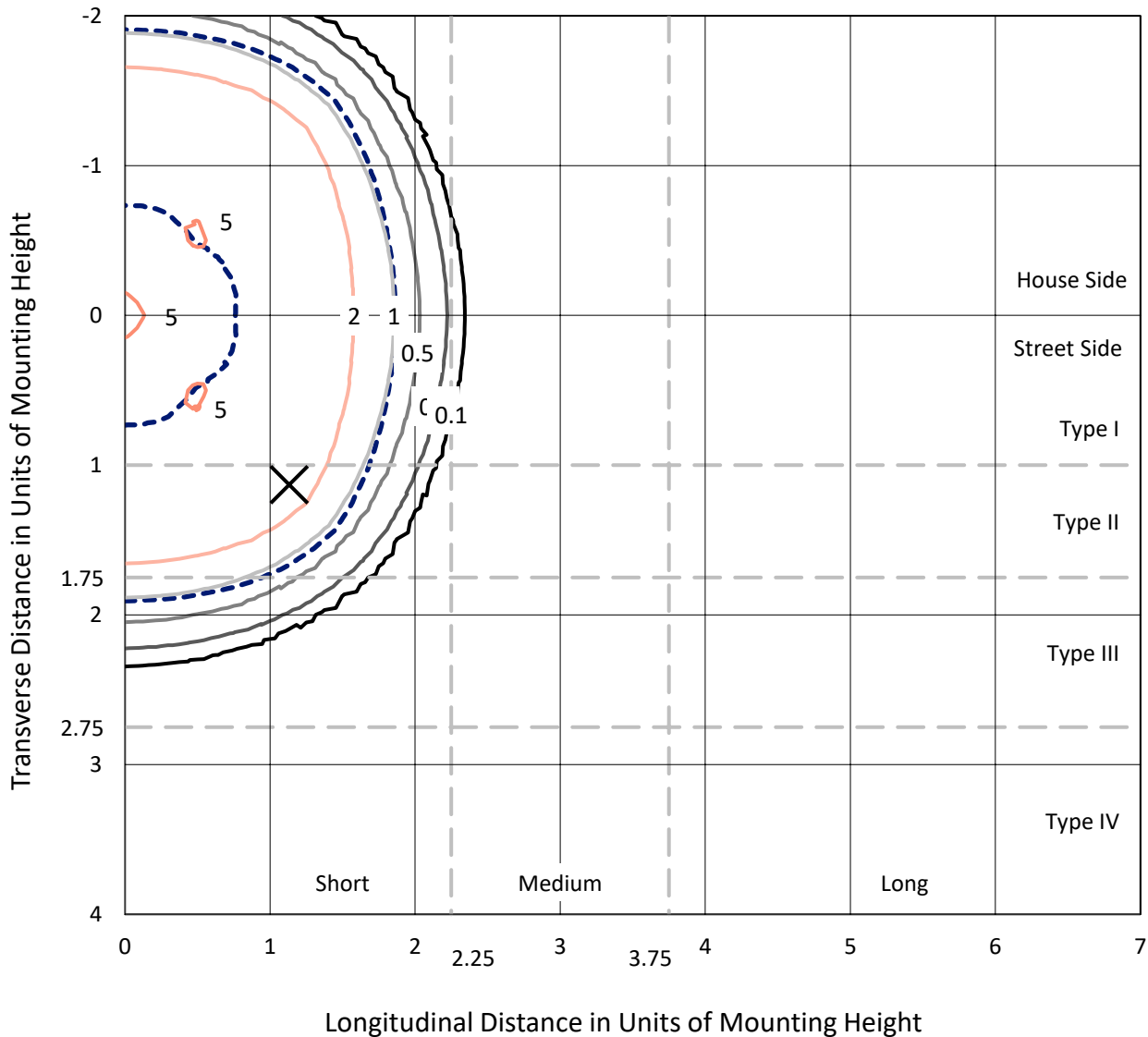
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

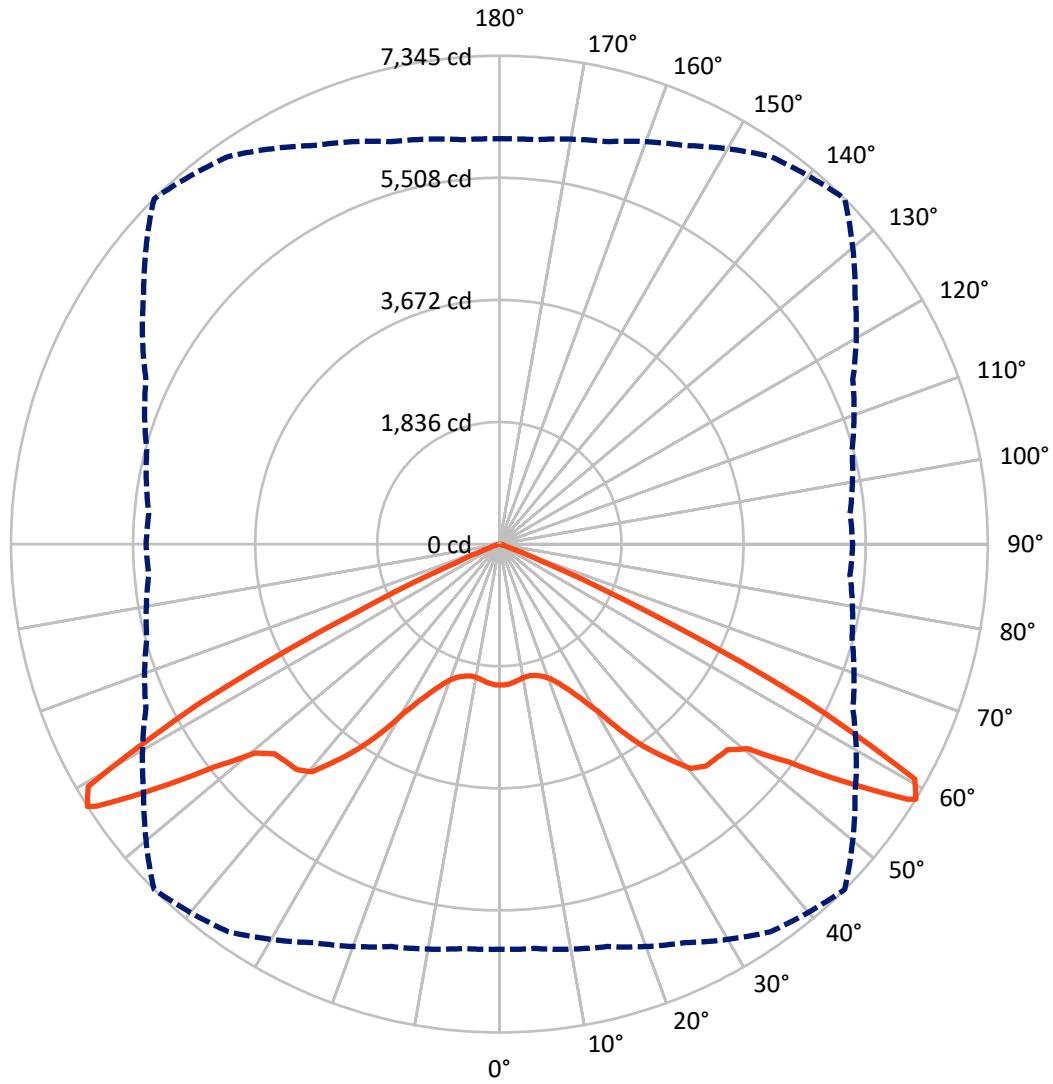
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 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	7471.4	0.0	7471.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7471.4	0.0	7471.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14942.9	0.0	14942.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	1.3
10°-20°	585.0	3.9
20°-30°	1106.4	7.4
30°-40°	2182.2	14.6
40°-50°	3453.2	23.1
50°-60°	5076.1	34.0
60°-70°	2265.7	15.2
70°-80°	75.9	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°	14942.9	100.0
0°-180°	14942.9	100.0

Coefficient of Utilization



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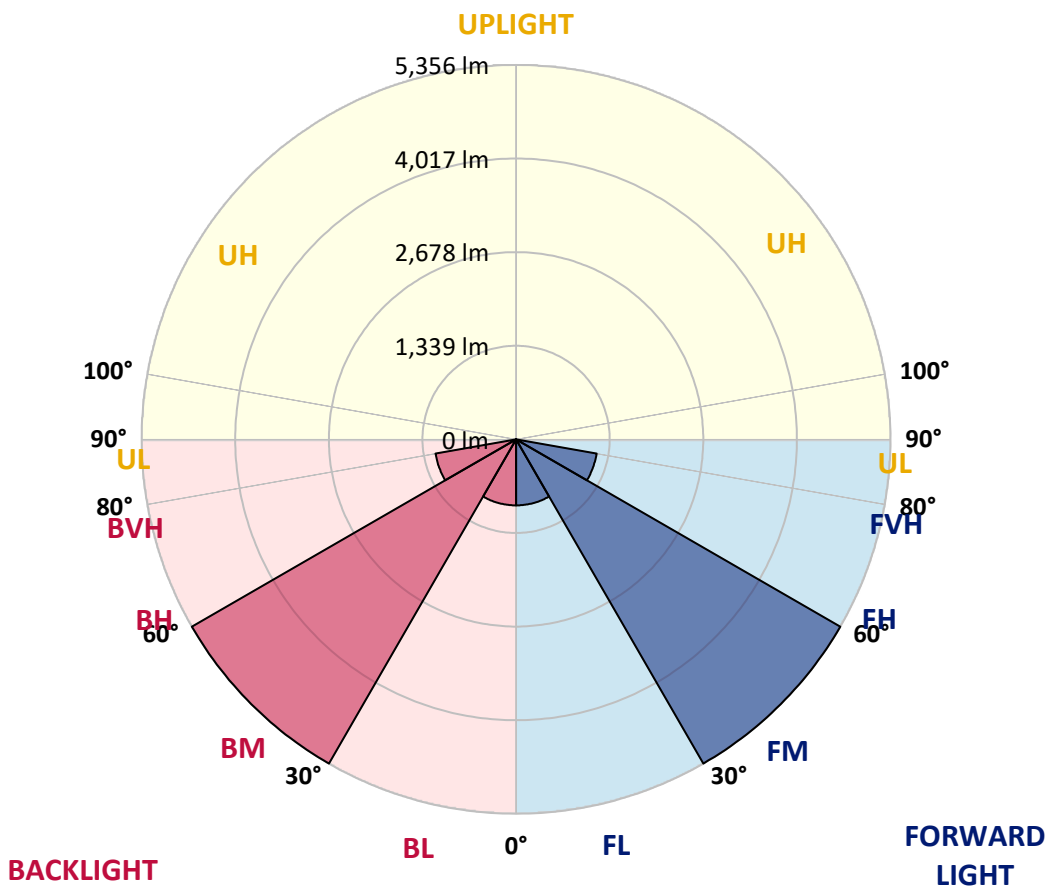
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	944.6	6.3			
FM (30°-60°)	5355.7	35.8			
FH (60°-80°)	1170.8	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	944.6	6.3	B2/1000		
BM (30°-60°)	5355.7	35.8	B4/8500		
BH (60°-80°)	1170.8	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°	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1	2119.1
2.5°	2098.7	2102.8	2106.9	2108.9	2111.0	2117.1	2119.1	2113.0	2113.0	2100.8	2115.0
5°	2088.6	2092.6	2096.7	2094.7	2094.7	2094.7	2092.6	2084.5	2082.5	2070.2	2084.5
7.5°	2070.2	2074.3	2074.3	2068.2	2064.1	2064.1	2062.1	2051.9	2049.9	2037.7	2051.9
10°	2056.0	2058.0	2056.0	2043.8	2035.6	2035.6	2033.6	2029.5	2031.6	2023.4	2035.6
12.5°	2064.1	2066.2	2058.0	2041.7	2031.6	2029.5	2023.4	2017.3	2023.4	2021.4	2033.6
15°	2090.6	2092.6	2078.4	2058.0	2049.9	2049.9	2033.6	2017.3	2025.5	2027.5	2041.7
17.5°	2123.2	2123.2	2104.9	2086.5	2088.6	2088.6	2062.1	2033.6	2035.6	2043.8	2058.0
20°	2161.9	2161.9	2143.5	2139.5	2153.7	2155.7	2123.2	2078.4	2068.2	2074.3	2090.6
22.5°	2231.1	2231.1	2216.8	2227.0	2259.6	2269.7	2220.9	2157.8	2133.4	2137.4	2153.7
25°	2339.0	2339.0	2334.9	2359.3	2406.1	2428.5	2363.4	2279.9	2239.2	2233.1	2251.4
27.5°	2520.1	2522.2	2516.1	2552.7	2611.7	2638.2	2548.6	2438.7	2389.8	2379.7	2398.0
30°	2754.2	2754.2	2756.3	2807.1	2884.5	2919.1	2801.0	2672.8	2615.8	2583.2	2607.7
32.5°	3014.8	3018.9	3039.2	3124.7	3261.1	3332.3	3159.3	2980.2	2888.6	2854.0	2880.4
35°	3444.3	3405.6	3381.2	3444.3	3641.8	3735.4	3513.5	3303.8	3234.6	3230.6	3297.7
37.5°	3869.8	3847.4	3796.5	3861.6	4038.7	4081.5	3837.2	3662.1	3613.3	3639.7	3706.9
40°	4207.7	4167.0	4099.8	4160.9	4392.9	4435.7	4134.4	3961.4	3943.0	4002.1	4093.7
42.5°	4474.3	4417.3	4327.8	4342.0	4529.3	4559.8	4293.2	4162.9	4175.1	4248.4	4352.2
45°	4594.4	4549.7	4470.3	4464.2	4582.2	4584.3	4374.6	4307.4	4340.0	4397.0	4478.4
47.5°	4645.3	4625.0	4580.2	4570.0	4637.2	4620.9	4490.6	4462.1	4492.7	4508.9	4555.8
50°	4771.5	4771.5	4777.6	4785.8	4855.0	4838.7	4747.1	4714.5	4675.9	4618.9	4633.1
52.5°	5125.7	5140.0	5199.0	5264.2	5390.4	5443.3	5294.7	5105.4	4920.1	4796.0	4796.0
55°	5764.9	5779.2	5848.4	5958.3	6190.4	6316.6	5970.5	5553.2	5298.8	5129.8	5152.2
57.5°	6117.1	6133.4	6275.9	6573.1	7023.0	7236.7	6493.7	5874.9	5518.6	5325.2	5341.5
58°	6094.7	6104.9	6265.7	6613.8	7114.6	7344.6	6530.3	5864.7	5490.1	5292.7	5313.0
60°	5414.8	5400.6	5657.0	6153.7	6860.1	7177.7	6166.0	5353.7	4918.1	4716.6	4726.8
62.5°	3540.0	3548.1	3770.0	4289.1	4838.7	5138.0	4307.4	3702.8	3352.7	3230.6	3200.0
65°	1477.9	1451.4	1587.8	1876.9	2206.6	2373.6	2039.7	1726.2	1510.4	1429.0	1451.4
67.5°	380.7	370.5	378.6	474.3	580.2	686.0	576.1	439.7	382.7	386.8	386.8
70°	215.8	203.6	164.9	152.7	148.6	148.6	148.6	148.6	171.0	201.5	207.6
72.5°	162.9	152.7	120.1	103.8	91.6	85.5	89.6	103.8	124.2	150.6	154.7
75°	81.4	81.4	73.3	69.2	61.1	57.0	59.0	65.1	75.3	85.5	83.5
77.5°	16.3	18.3	20.4	24.4	20.4	20.4	20.4	24.4	24.4	26.5	24.4
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)