

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: P642309

Luminaire Tested: GWS-SA6C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642309
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15075.8 lumens
Efficiency: N/A
Efficacy: 79.7 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

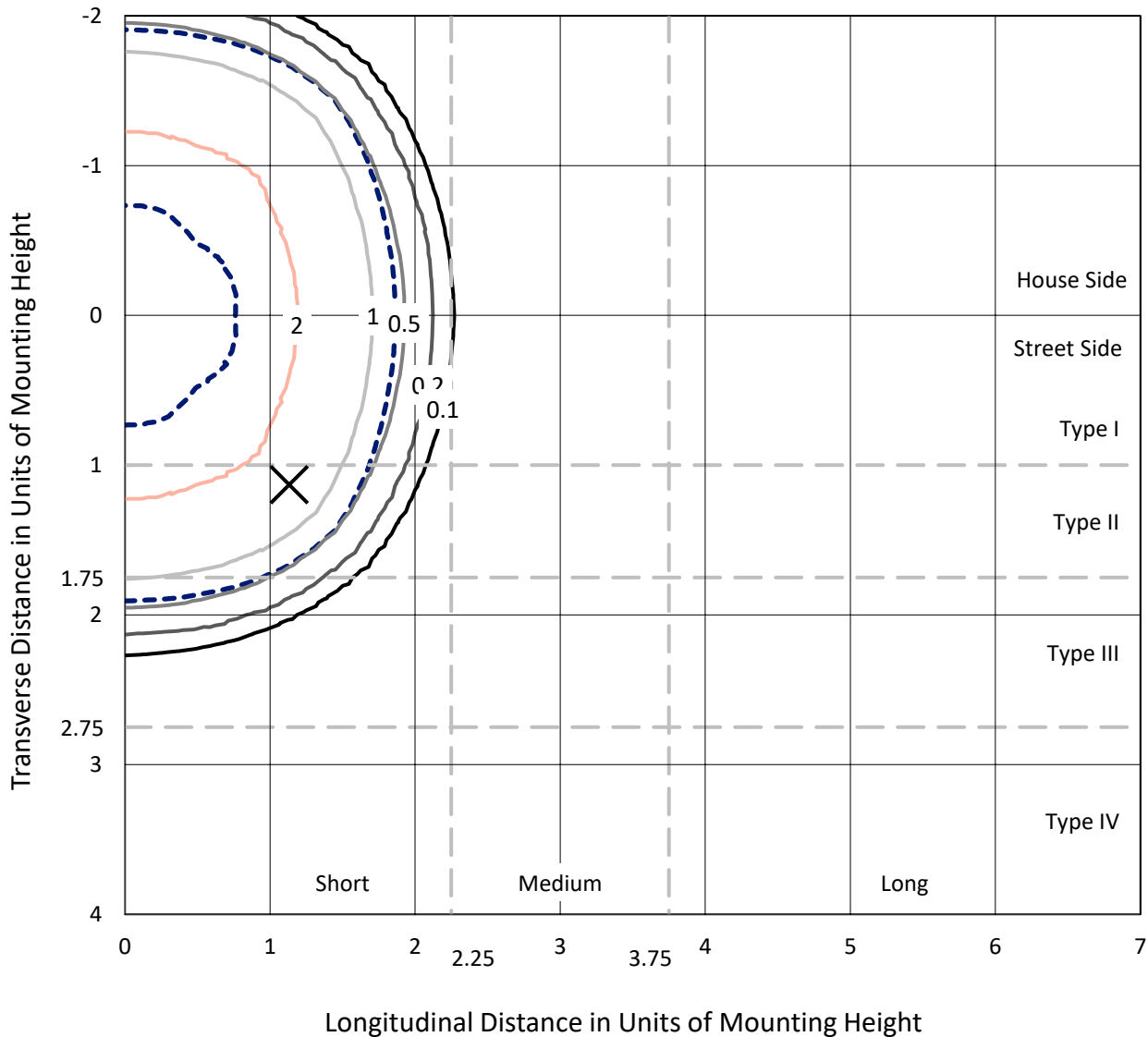


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Iso-Footcandle Lines of Horizontal Illumination

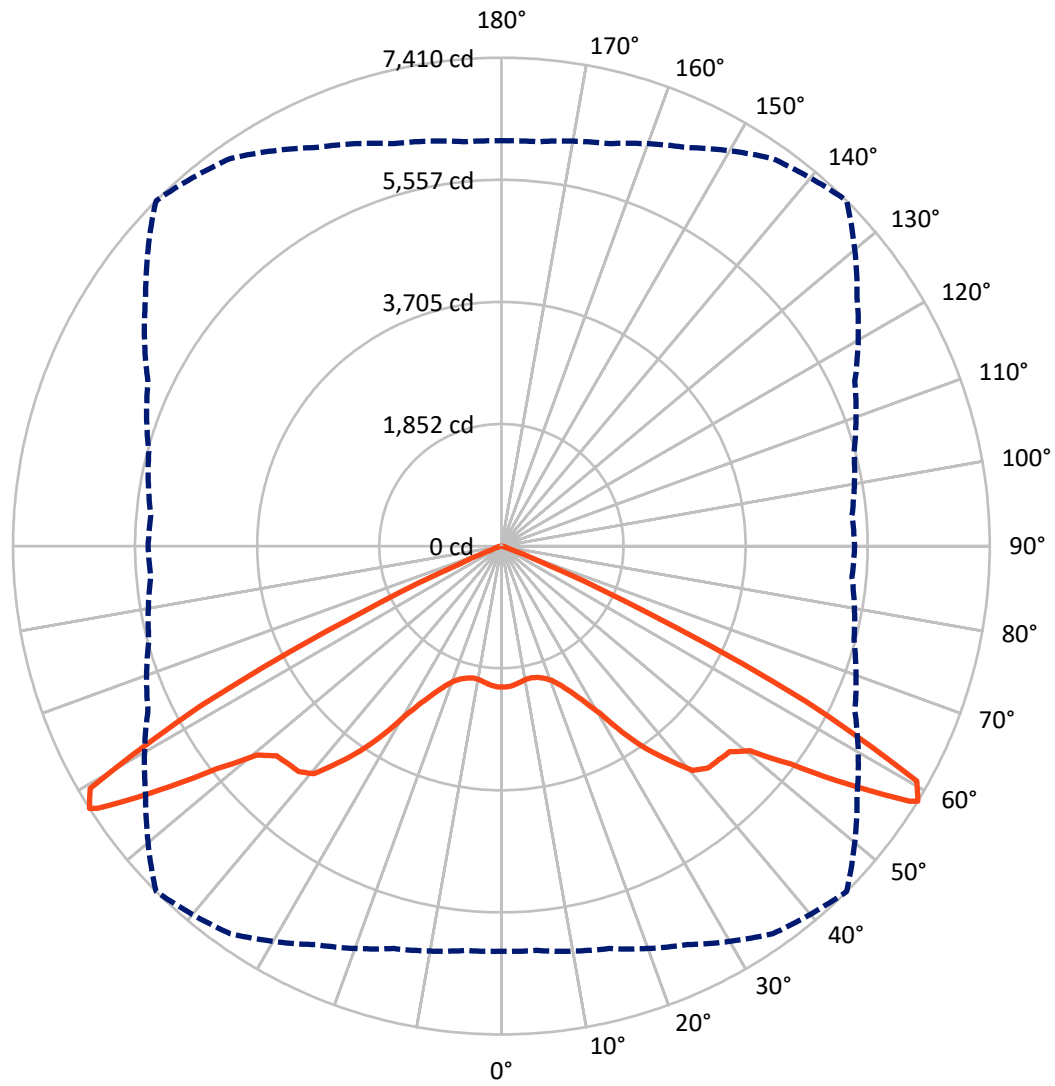
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	7537.9	0.0	7537.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7537.9	0.0	7537.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15075.8	0.0	15075.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	1.3
10°-20°	590.2	3.9
20°-30°	1116.3	7.4
30°-40°	2201.6	14.6
40°-50°	3483.9	23.1
50°-60°	5121.2	34.0
60°-70°	2285.9	15.2
70°-80°	76.6	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°	15075.8	100.0
0°-180°	15075.8	100.0

Coefficient of Utilization



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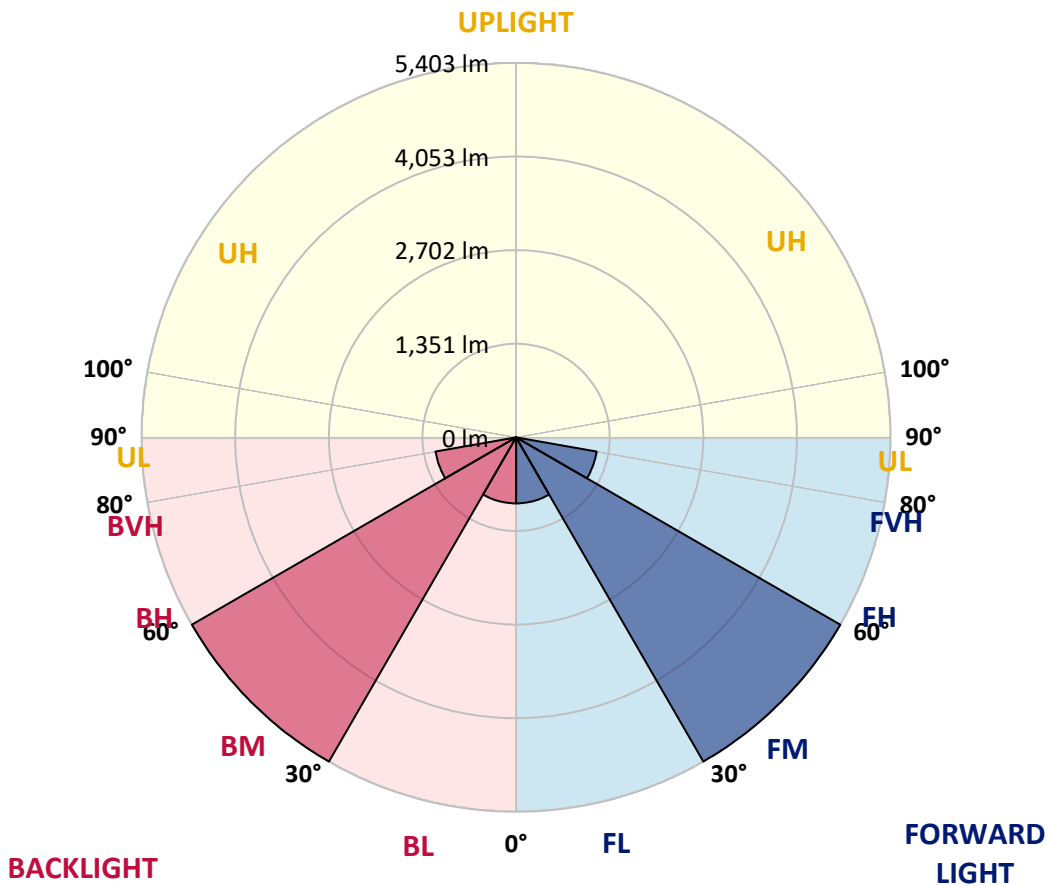
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	953.0	6.3			
FM (30°-60°)	5403.4	35.8			
FH (60°-80°)	1181.2	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	953.0	6.3	B2/1000		
BM (30°-60°)	5403.4	35.8	B4/8500		
BH (60°-80°)	1181.2	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°	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9	2137.9
2.5°	2117.4	2121.5	2125.6	2127.7	2129.7	2135.9	2137.9	2131.8	2131.8	2119.5	2133.8
5°	2107.1	2111.3	2115.4	2113.3	2113.3	2113.3	2111.3	2103.0	2101.0	2088.7	2103.0
7.5°	2088.7	2092.8	2092.8	2086.6	2082.5	2082.5	2080.4	2070.2	2068.1	2055.8	2070.2
10°	2074.3	2076.3	2074.3	2062.0	2053.7	2053.7	2051.7	2047.6	2049.6	2041.4	2053.7
12.5°	2082.5	2084.6	2076.3	2059.9	2049.6	2047.6	2041.4	2035.3	2041.4	2039.4	2051.7
15°	2109.2	2111.3	2096.9	2076.3	2068.1	2068.1	2051.7	2035.3	2043.5	2045.5	2059.9
17.5°	2142.1	2142.1	2123.6	2105.1	2107.1	2107.1	2080.4	2051.7	2053.7	2062.0	2076.3
20°	2181.1	2181.1	2162.6	2158.5	2172.9	2174.9	2142.1	2096.9	2086.6	2092.8	2109.2
22.5°	2250.9	2250.9	2236.5	2246.8	2279.7	2289.9	2240.6	2177.0	2152.3	2156.4	2172.9
25°	2359.8	2359.8	2355.6	2380.3	2427.5	2450.1	2384.4	2300.2	2259.1	2253.0	2271.4
27.5°	2542.5	2544.6	2538.4	2575.4	2635.0	2661.7	2571.3	2460.4	2411.1	2400.8	2419.3
30°	2778.7	2778.7	2780.8	2832.1	2910.2	2945.1	2826.0	2696.6	2639.1	2606.2	2630.8
32.5°	3041.6	3045.7	3066.2	3152.5	3290.1	3362.0	3187.4	3006.7	2914.3	2879.4	2906.1
35°	3474.9	3435.9	3411.3	3474.9	3674.2	3768.6	3544.8	3333.2	3263.4	3259.3	3327.1
37.5°	3904.2	3881.6	3830.2	3896.0	4074.6	4117.8	3871.3	3694.7	3645.4	3672.1	3739.9
40°	4245.1	4204.0	4136.2	4197.9	4432.0	4475.1	4171.2	3996.6	3978.1	4037.7	4130.1
42.5°	4514.1	4456.6	4366.3	4380.6	4569.6	4600.4	4331.3	4199.9	4212.2	4286.2	4390.9
45°	4635.3	4590.1	4510.0	4503.9	4623.0	4625.0	4413.5	4345.7	4378.6	4436.1	4518.2
47.5°	4686.6	4666.1	4620.9	4610.7	4678.4	4662.0	4530.6	4501.8	4532.6	4549.0	4596.3
50°	4814.0	4814.0	4820.1	4828.4	4898.2	4881.8	4789.3	4756.5	4717.5	4659.9	4674.3
52.5°	5171.3	5185.7	5245.3	5311.0	5438.3	5491.7	5341.8	5150.8	4963.9	4838.6	4838.6
55°	5816.2	5830.6	5900.4	6011.3	6245.4	6372.8	6023.6	5602.6	5345.9	5175.4	5198.0
57.5°	6171.5	6187.9	6331.7	6631.5	7085.4	7301.1	6551.4	5927.1	5567.7	5372.6	5389.0
58°	6148.9	6159.2	6321.4	6672.6	7177.8	7409.9	6588.4	5916.8	5539.0	5339.7	5360.3
60°	5463.0	5448.6	5707.4	6208.5	6921.1	7241.5	6220.8	5401.4	4961.8	4758.5	4768.8
62.5°	3571.5	3579.7	3803.5	4327.2	4881.8	5183.7	4345.7	3735.8	3382.5	3259.3	3228.5
65°	1491.0	1464.3	1601.9	1893.6	2226.3	2394.7	2057.9	1741.6	1523.9	1441.7	1464.3
67.5°	384.1	373.8	382.0	478.5	585.3	692.1	581.2	443.6	386.1	390.2	390.2
70°	217.7	205.4	166.4	154.0	149.9	149.9	149.9	149.9	172.5	203.3	209.5
72.5°	164.3	154.0	121.2	104.7	92.4	86.3	90.4	104.7	125.3	152.0	156.1
75°	82.1	82.1	73.9	69.8	61.6	57.5	59.6	65.7	76.0	86.3	84.2
77.5°	16.4	18.5	20.5	24.6	20.5	20.5	20.5	24.6	24.6	26.7	24.6
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)