

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: P642201

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
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
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28786.5 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

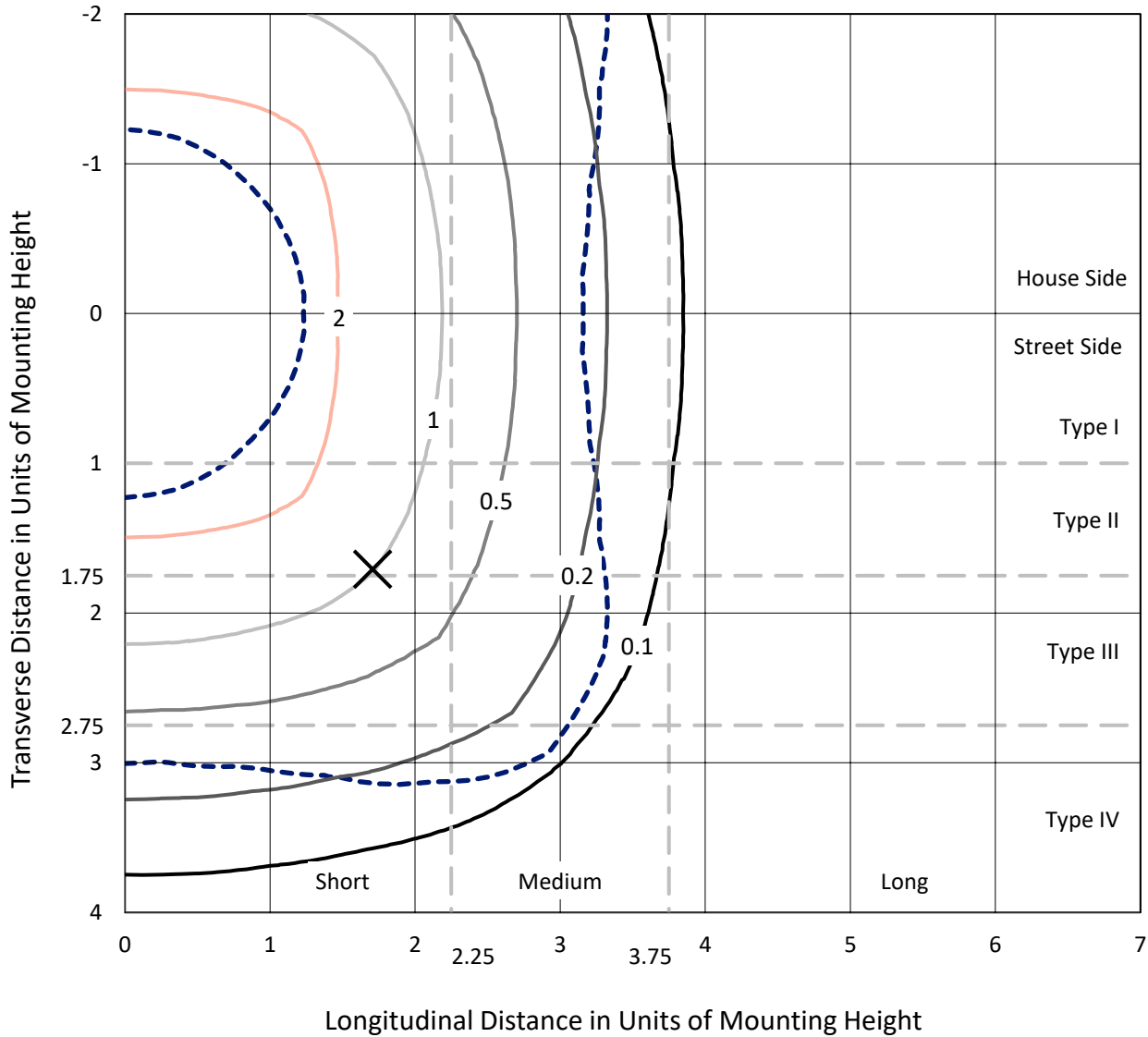
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642201
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Iso-Footcandle Lines of Horizontal Illumination

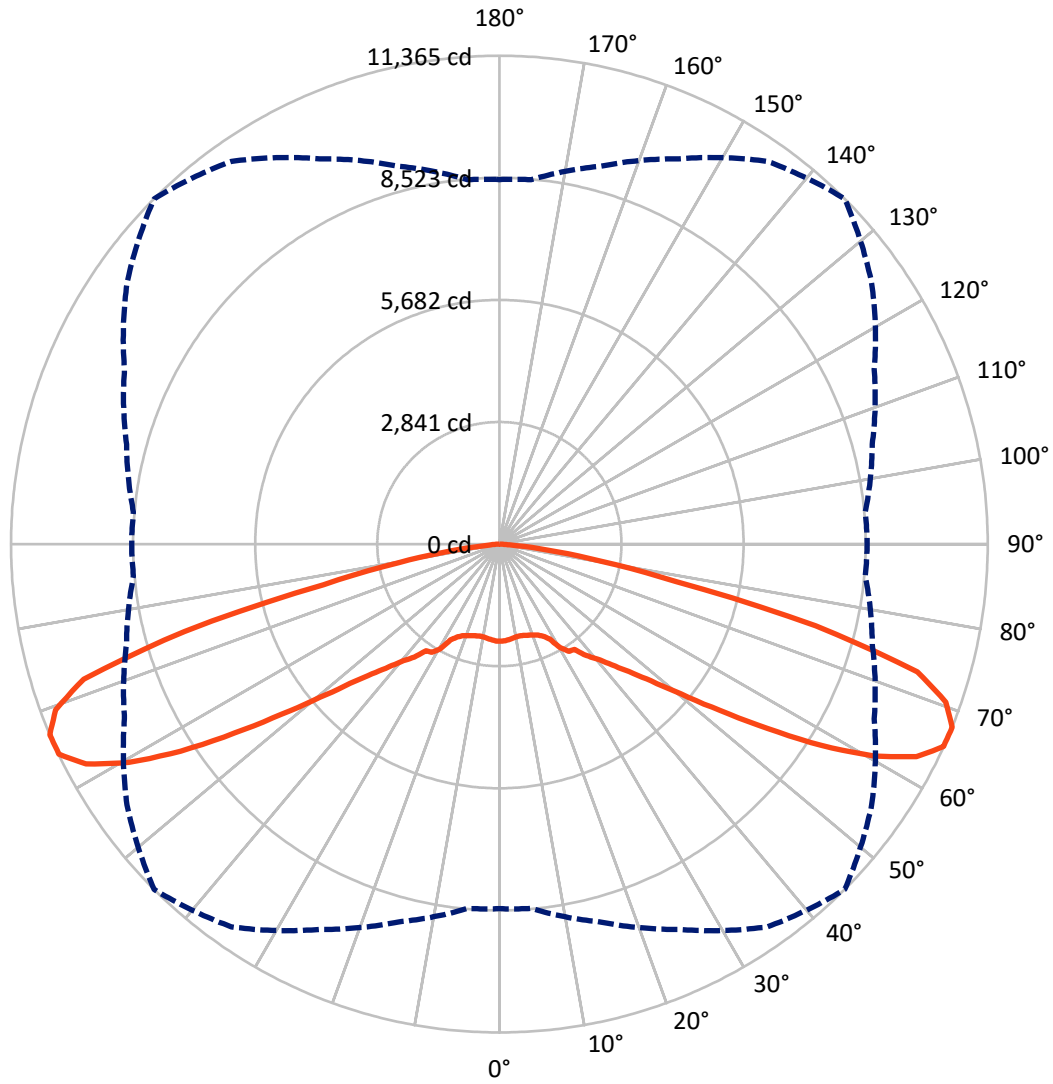
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P642201
CATALOG NUMBER: GWS-SA6C-740-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642201

CATALOG NUMBER: GWS-SA6C-740-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14393.2	0.0	14393.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14393.2	0.0	14393.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	28786.5	0.0	28786.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	0.7
10°-20°	629.0	2.2
20°-30°	1128.3	3.9
30°-40°	1906.1	6.6
40°-50°	3349.0	11.6
50°-60°	6460.3	22.4
60°-70°	9373.0	32.6
70°-80°	5362.8	18.6
80°-90°	366.0	1.3
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°	28786.5	100.0
0°-180°	28786.5	100.0

Coefficient of Utilization



REPORT NUMBER: P642201

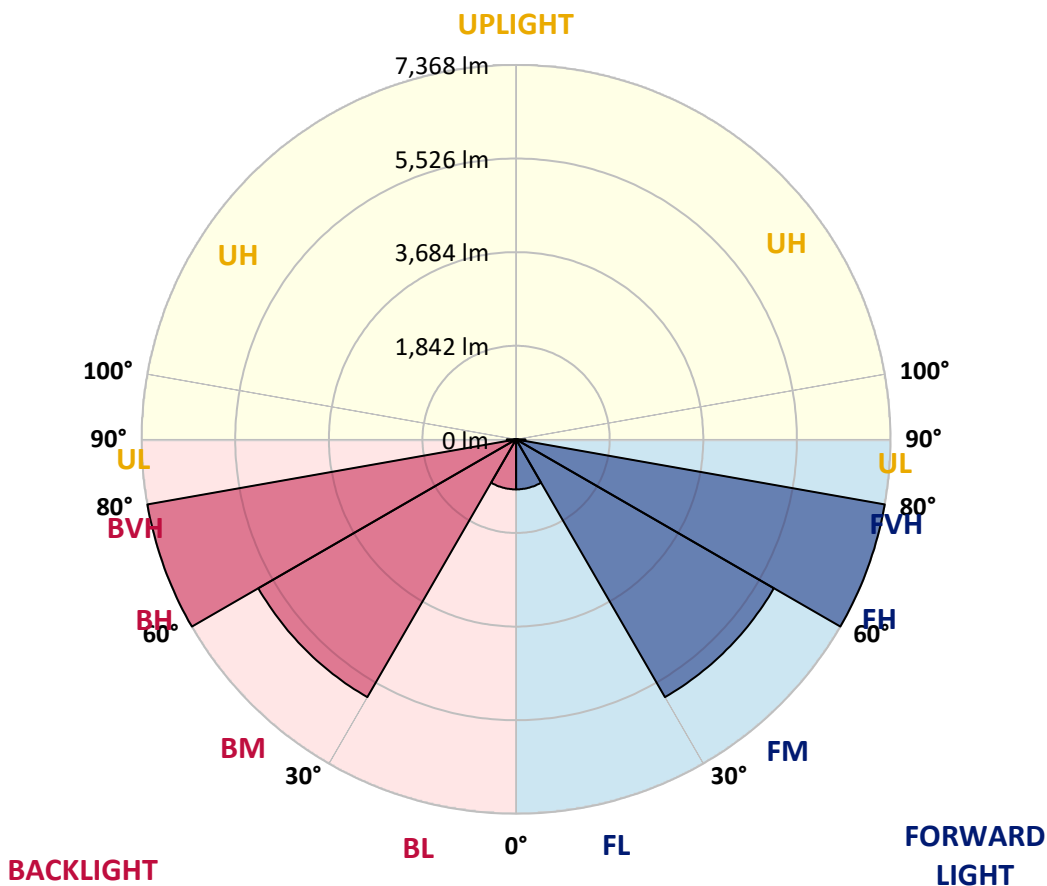
CATALOG NUMBER: GWS-SA6C-740-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	984.6	3.4			
FM (30°-60°)	5857.7	20.3			
FH (60°-80°)	7367.9	25.6			G3/7500
FVH (80°-90°)	183.0	0.6			G2/225
BL (0°-30°)	984.6	3.4	B2/1000		
BM (30°-60°)	5857.7	20.3	B4/8500		
BH (60°-80°)	7367.9	25.6	B5		G3/7500
BVH (80°-90°)	183.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4	2257.4
2.5°	2239.1	2241.2	2245.2	2245.2	2249.3	2255.4	2257.4	2253.4	2255.4	2245.2	2255.4
5°	2233.0	2235.1	2237.1	2233.0	2233.0	2235.1	2235.1	2231.0	2233.0	2222.8	2233.0
7.5°	2218.8	2220.8	2220.8	2214.7	2208.6	2212.7	2212.7	2208.6	2210.6	2200.5	2212.7
10°	2206.6	2206.6	2204.5	2192.3	2186.2	2192.3	2194.3	2196.4	2204.5	2196.4	2210.6
12.5°	2214.7	2214.7	2208.6	2192.3	2182.1	2186.2	2190.3	2194.3	2208.6	2206.6	2222.8
15°	2237.1	2239.1	2222.8	2204.5	2198.4	2204.5	2200.5	2198.4	2216.7	2222.8	2241.2
17.5°	2255.4	2255.4	2235.1	2216.7	2218.8	2229.0	2220.8	2210.6	2229.0	2241.2	2261.5
20°	2271.7	2269.7	2247.3	2235.1	2243.2	2257.4	2251.3	2237.1	2249.3	2263.6	2281.9
22.5°	2312.4	2310.4	2285.9	2279.8	2288.0	2302.2	2296.1	2283.9	2298.2	2318.5	2340.9
25°	2428.4	2424.4	2387.7	2367.4	2363.3	2373.5	2371.4	2367.4	2389.8	2414.2	2440.7
27.5°	2583.1	2581.1	2554.6	2534.3	2507.8	2499.7	2505.8	2524.1	2556.7	2575.0	2597.4
30°	2660.5	2660.5	2656.4	2689.0	2746.0	2800.9	2758.2	2689.0	2660.5	2652.4	2674.7
32.5°	2762.3	2772.4	2758.2	2794.8	2890.5	2971.9	2890.5	2778.6	2758.2	2758.2	2782.6
35°	2996.4	3000.4	2978.0	2971.9	3002.5	3012.6	2974.0	2933.3	2955.7	2959.7	2990.3
37.5°	3183.6	3183.6	3173.5	3189.7	3252.8	3291.5	3228.4	3155.1	3161.2	3165.3	3204.0
40°	3472.7	3480.8	3456.4	3454.4	3478.8	3513.4	3446.2	3399.4	3432.0	3442.2	3501.2
42.5°	3833.0	3833.0	3796.3	3786.2	3802.4	3839.1	3776.0	3745.5	3788.2	3796.3	3830.9
45°	4262.5	4272.7	4223.8	4205.5	4213.6	4225.8	4181.1	4166.8	4207.5	4225.8	4286.9
47.5°	4785.6	4795.8	4753.1	4751.0	4742.9	4751.0	4708.3	4700.1	4732.7	4718.5	4783.6
50°	5430.9	5449.2	5412.6	5463.5	5457.4	5481.8	5422.8	5380.0	5380.0	5341.3	5378.0
52.5°	6153.5	6190.2	6208.5	6294.0	6359.1	6420.2	6322.5	6255.3	6157.6	6078.2	6178.0
55°	6941.3	6931.1	7047.1	7234.4	7425.8	7570.3	7378.9	7167.2	7008.5	6843.6	6882.3
57.5°	7631.4	7666.0	7818.6	8160.6	8539.2	8844.6	8500.5	8093.4	7733.1	7497.0	7529.6
60°	8205.4	8233.9	8437.4	8930.1	9591.6	10013.0	9467.4	8795.7	8272.6	7946.9	7981.5
62.5°	8734.6	8761.1	8966.7	9510.2	10344.8	10894.4	10190.1	9272.0	8689.9	8362.1	8382.5
65°	9040.0	9056.3	9337.2	9909.2	10788.5	11356.5	10562.6	9616.0	9044.0	8710.2	8722.4
67.5°	8484.3	8510.7	9103.1	9892.9	10874.0	11364.6	10578.9	9626.2	8983.0	8547.4	8557.5
70°	6693.0	6670.6	7376.9	8734.6	10383.5	11022.6	10108.6	8903.6	7910.2	7301.6	7291.4
72.5°	5103.2	5109.3	5502.2	6432.4	8465.9	10171.8	8919.9	7169.3	6098.6	5636.5	5618.2
75°	3700.7	3757.7	4077.3	4759.2	5921.5	7602.9	6715.4	5312.8	4596.3	4319.5	4278.8
77.5°	1667.1	1740.4	2186.2	2988.2	3959.2	4201.4	4217.7	3607.0	2721.6	2261.5	2190.3
80°	486.5	521.1	669.7	1146.0	1844.2	2383.7	1893.1	1591.8	991.3	777.6	740.9
82.5°	205.6	234.1	287.0	317.5	535.4	1105.3	688.0	437.6	407.1	329.8	301.3
85°	87.5	93.6	120.1	128.2	173.0	236.1	217.8	197.5	189.3	146.6	134.3
87.5°	36.6	36.6	36.6	32.6	30.5	32.6	44.8	57.0	75.3	59.0	55.0
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)