

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: P642248

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 17746.4 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

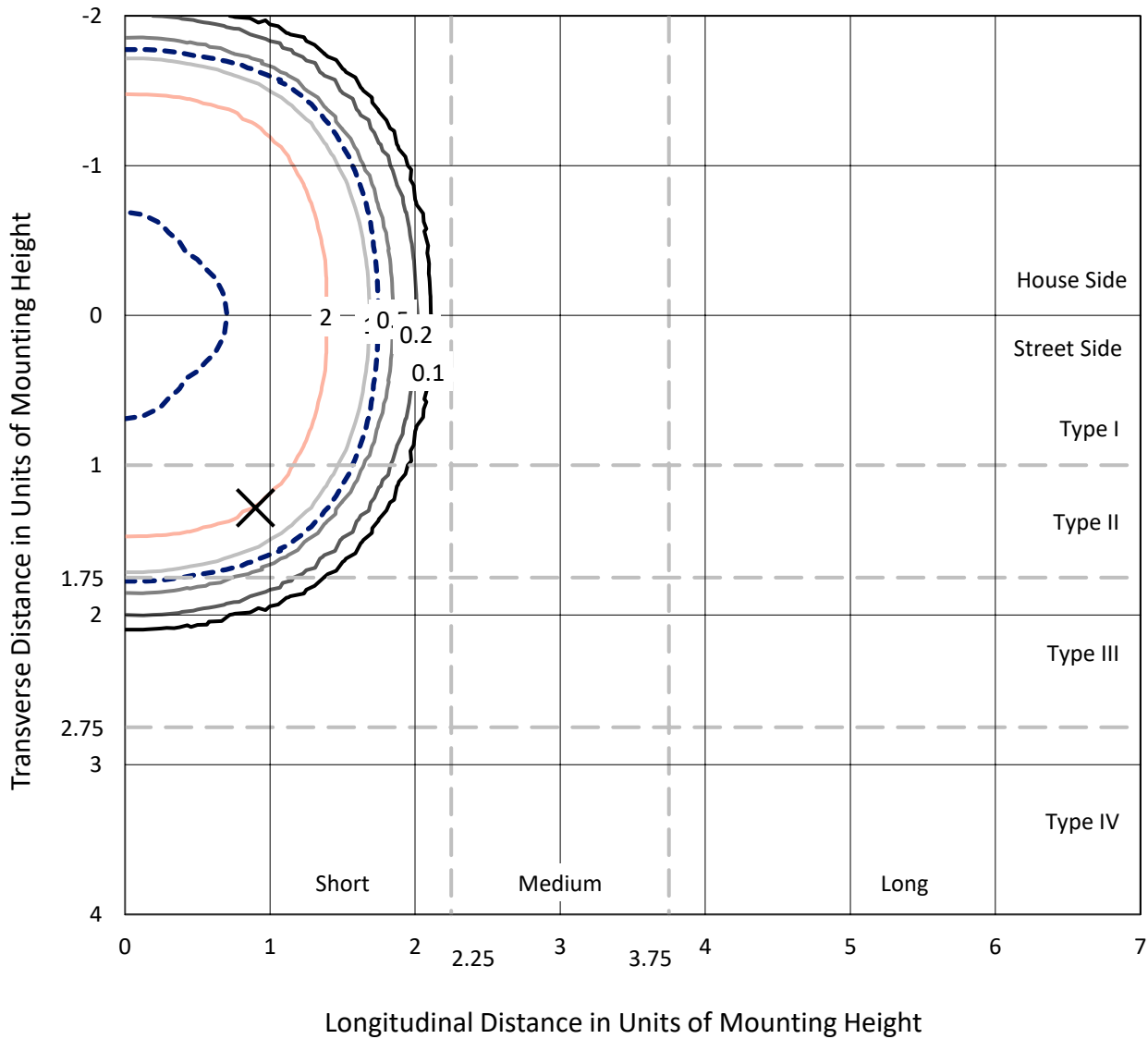
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

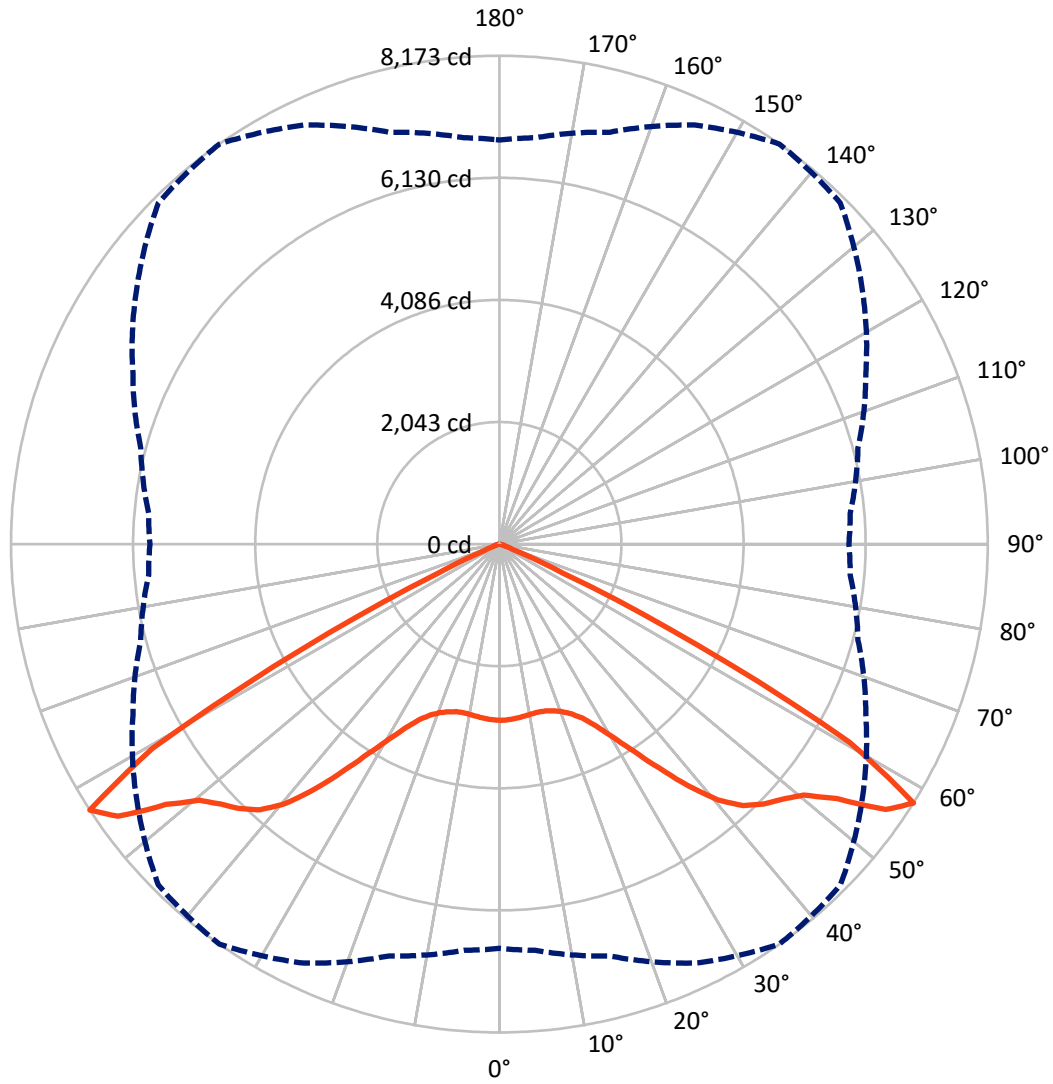
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8873.2	0.0	8873.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8873.2	0.0	8873.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17746.4	0.0	17746.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.0	1.6
10°-20°	817.7	4.6
20°-30°	1478.1	8.3
30°-40°	2757.4	15.5
40°-50°	4625.6	26.1
50°-60°	6108.6	34.4
60°-70°	1622.3	9.1
70°-80°	57.6	0.3
80°-90°	1.0	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°	17746.4	100.0
0°-180°	17746.4	100.0

Coefficient of Utilization



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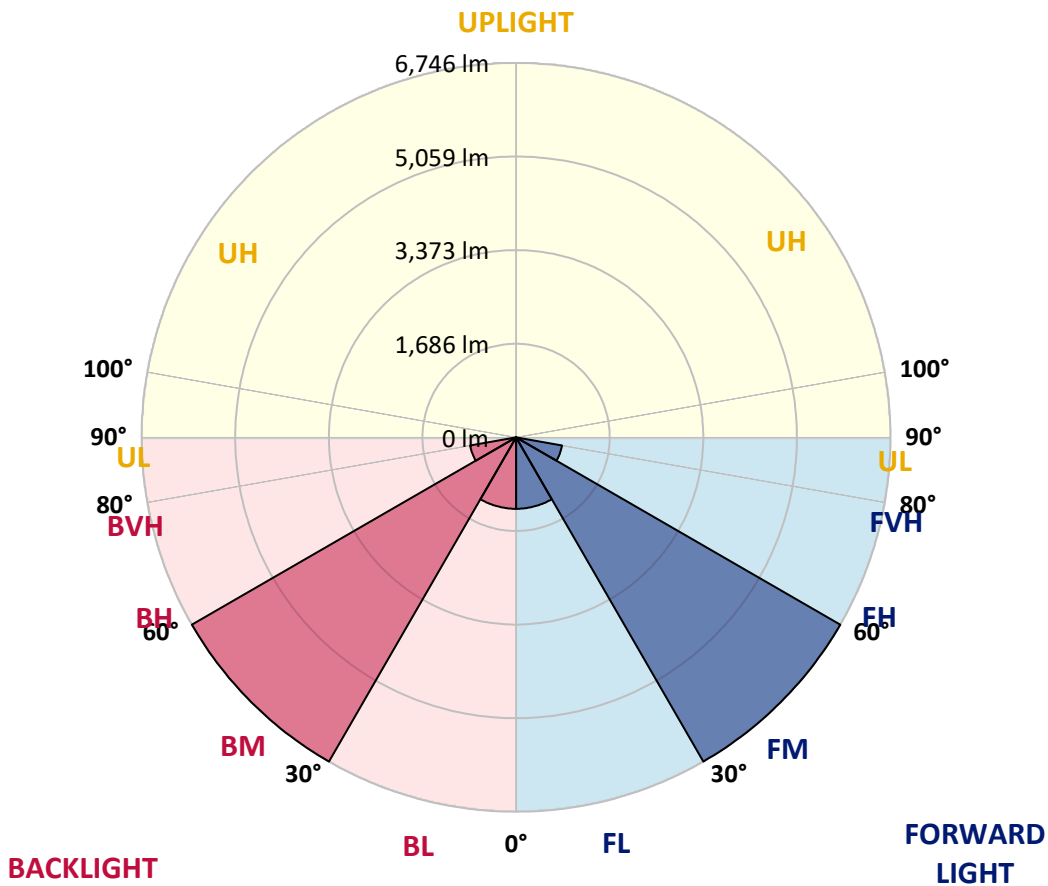
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1286.9	7.3			
FM (30°-60°)	6745.8	38.0			
FH (60°-80°)	840.0	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1286.9	7.3	B3/2500		
BM (30°-60°)	6745.8	38.0	B4/8500		
BH (60°-80°)	840.0	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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°	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5	2950.5
2.5°	2929.7	2927.6	2935.9	2942.2	2942.2	2956.7	2952.6	2948.4	2944.3	2938.0	2952.6
5°	2925.5	2923.4	2929.7	2933.8	2929.7	2942.2	2933.8	2925.5	2921.3	2913.0	2929.7
7.5°	2906.8	2908.9	2913.0	2917.2	2910.9	2921.3	2910.9	2898.4	2888.0	2879.7	2894.3
10°	2877.6	2879.7	2883.9	2892.2	2894.3	2908.9	2894.3	2871.4	2856.8	2844.3	2858.9
12.5°	2863.0	2865.1	2871.4	2881.8	2883.9	2902.6	2883.9	2850.6	2829.7	2815.2	2829.7
15°	2867.2	2871.4	2879.7	2892.2	2896.4	2915.1	2890.1	2846.4	2817.2	2798.5	2811.0
17.5°	2881.8	2886.0	2898.4	2919.3	2933.8	2952.6	2921.3	2865.1	2825.6	2798.5	2811.0
20°	2900.5	2906.8	2927.6	2960.9	2992.1	3025.5	2985.9	2908.9	2856.8	2823.5	2833.9
22.5°	2952.6	2958.8	2988.0	3031.7	3083.8	3125.4	3077.5	2979.6	2908.9	2865.1	2875.5
25°	3058.8	3065.0	3102.5	3158.7	3225.4	3279.5	3219.1	3096.3	3004.6	2954.7	2958.8
27.5°	3225.4	3231.6	3275.3	3354.4	3444.0	3521.0	3433.6	3289.9	3185.8	3127.5	3127.5
30°	3435.7	3444.0	3502.3	3608.5	3748.0	3850.0	3731.3	3556.4	3423.2	3344.0	3346.1
32.5°	3706.3	3698.0	3781.3	3927.1	4124.9	4260.2	4085.3	3872.9	3708.4	3598.1	3608.5
35°	4054.1	4052.0	4145.7	4343.5	4601.7	4764.1	4555.9	4281.0	4083.2	3970.8	3972.9
37.5°	4501.7	4499.7	4607.9	4822.4	5132.7	5268.0	5034.8	4755.8	4543.4	4435.1	4447.6
40°	5026.5	5014.0	5109.8	5315.9	5626.1	5713.6	5459.6	5234.7	5030.6	4961.9	4995.2
42.5°	5526.2	5499.1	5555.3	5742.7	5982.2	5994.7	5803.1	5649.0	5509.5	5455.4	5476.2
45°	5928.1	5907.2	5959.3	6067.6	6205.0	6142.5	6050.9	6003.0	5890.6	5832.3	5851.0
47.5°	6227.9	6227.9	6290.4	6357.0	6377.8	6263.3	6277.9	6277.9	6165.4	6073.8	6050.9
50°	6486.1	6504.8	6598.5	6667.3	6598.5	6452.8	6536.1	6519.4	6290.4	6107.1	6059.2
52.5°	6898.4	6917.1	7060.8	7154.5	7077.4	6933.8	6944.2	6736.0	6398.6	6182.1	6107.1
55°	7335.6	7381.5	7589.7	7839.5	7841.6	7693.8	7418.9	7050.4	6640.2	6404.9	6327.9
57.5°	6763.0	6825.5	7135.8	7737.5	8172.7	8070.7	7414.8	6767.2	6213.3	5892.7	5848.9
60°	4653.8	4762.0	5072.3	5894.8	6733.9	6773.4	5998.9	5272.2	4637.1	4241.5	4249.8
62.5°	1965.6	2076.0	2250.9	2927.6	3698.0	3745.9	3371.1	2850.6	2332.1	2046.8	2090.5
65°	462.3	493.5	545.5	810.0	1174.4	1228.5	1132.7	882.9	651.7	551.8	562.2
67.5°	202.0	206.1	195.7	208.2	258.2	264.4	256.1	224.9	212.4	216.6	216.6
70°	141.6	143.7	135.3	129.1	122.9	114.5	118.7	131.2	141.6	149.9	147.8
72.5°	87.5	89.5	91.6	91.6	85.4	77.0	81.2	89.5	91.6	93.7	91.6
75°	43.7	45.8	50.0	52.1	50.0	47.9	47.9	50.0	50.0	47.9	47.9
77.5°	8.3	10.4	14.6	16.7	16.7	16.7	16.7	16.7	18.7	16.7	16.7
80°	2.1	2.1	4.2	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	0.0	0.0	2.1	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	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
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)