

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: P642303

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642303
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17503.2 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

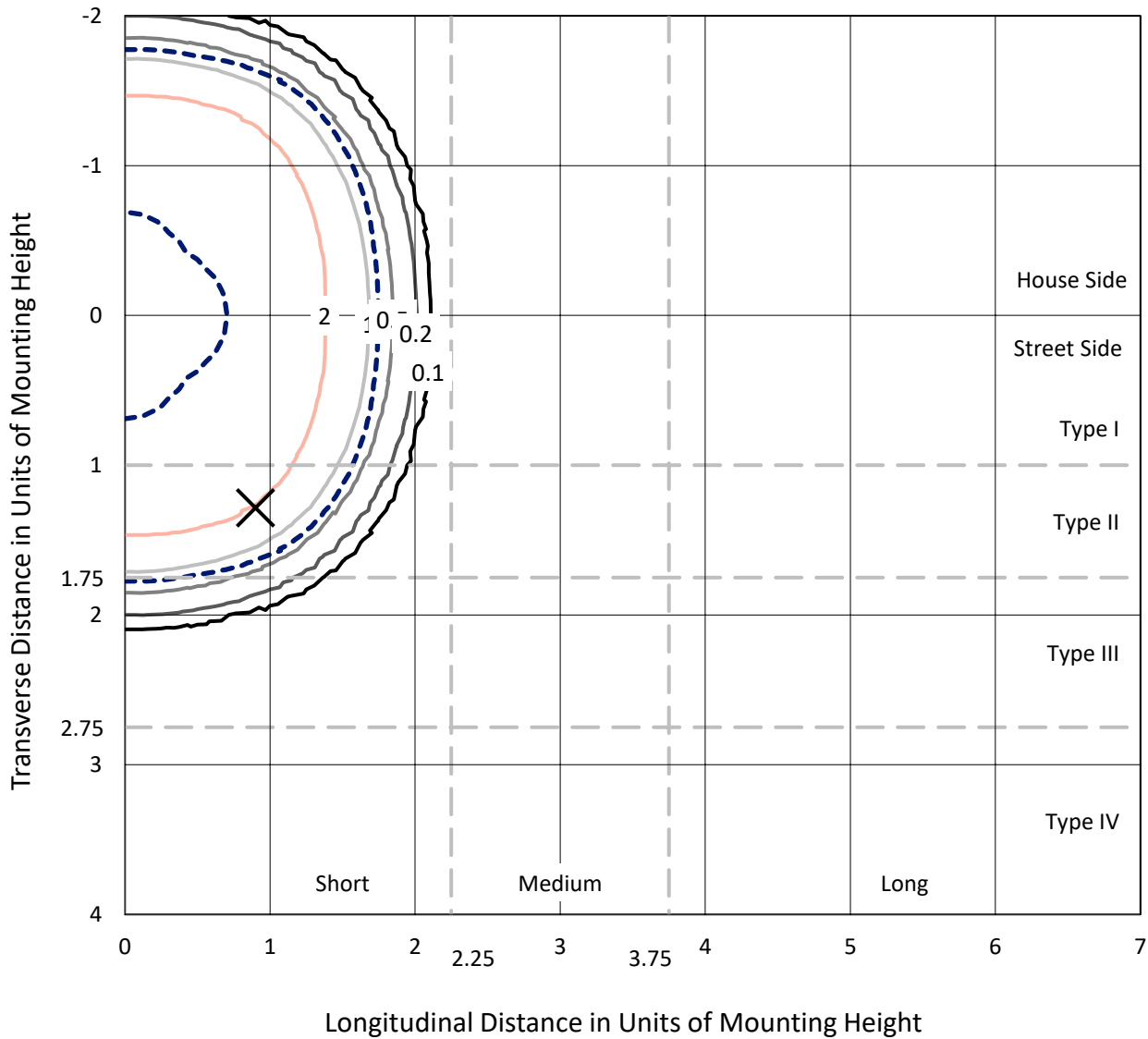
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

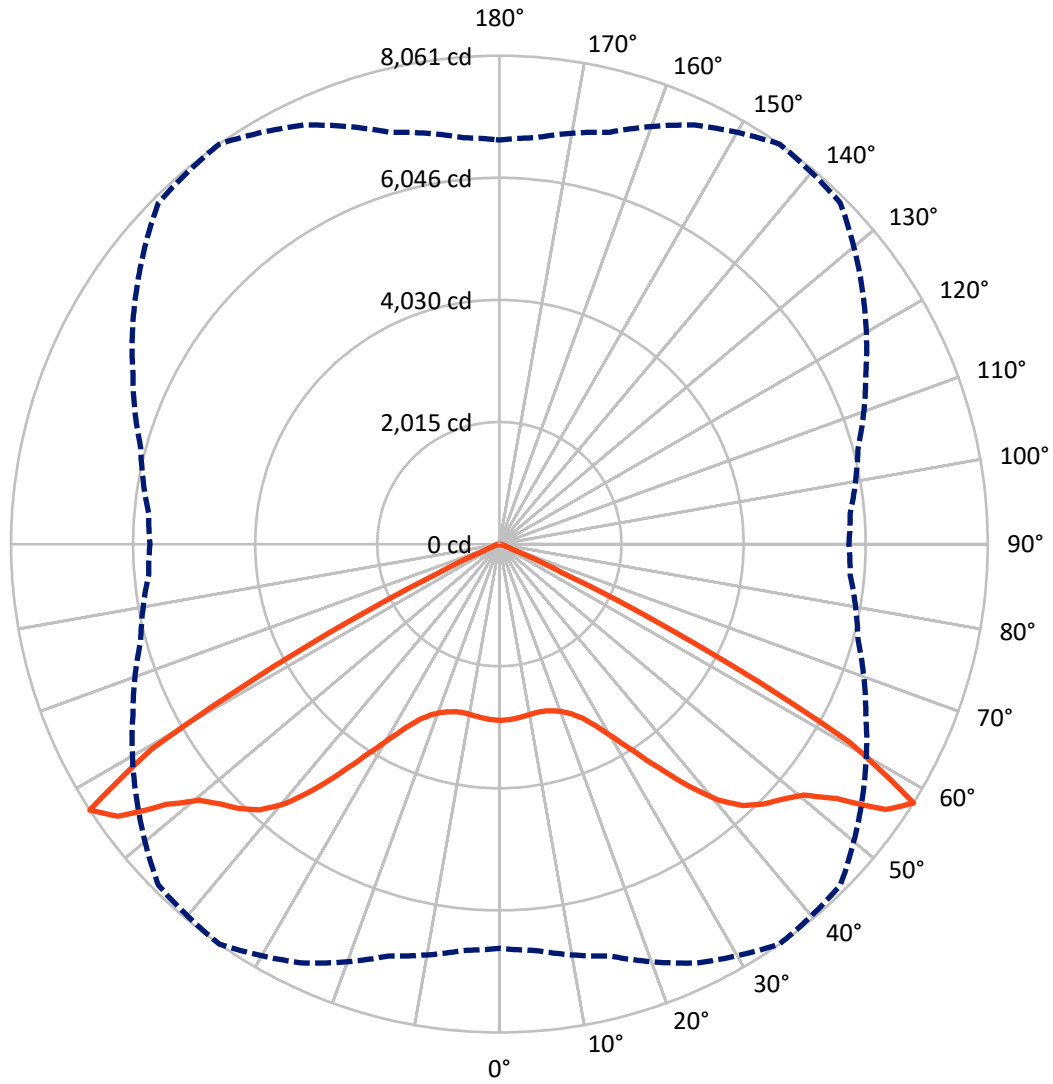
✕ Max cd
 - - - 1/2 Max cd



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	8751.6	0.0	8751.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8751.6	0.0	8751.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17503.2	0.0	17503.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.2	1.6
10°-20°	806.5	4.6
20°-30°	1457.8	8.3
30°-40°	2719.6	15.5
40°-50°	4562.2	26.1
50°-60°	6024.9	34.4
60°-70°	1600.1	9.1
70°-80°	56.8	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°	17503.2	100.0
0°-180°	17503.2	100.0

Coefficient of Utilization



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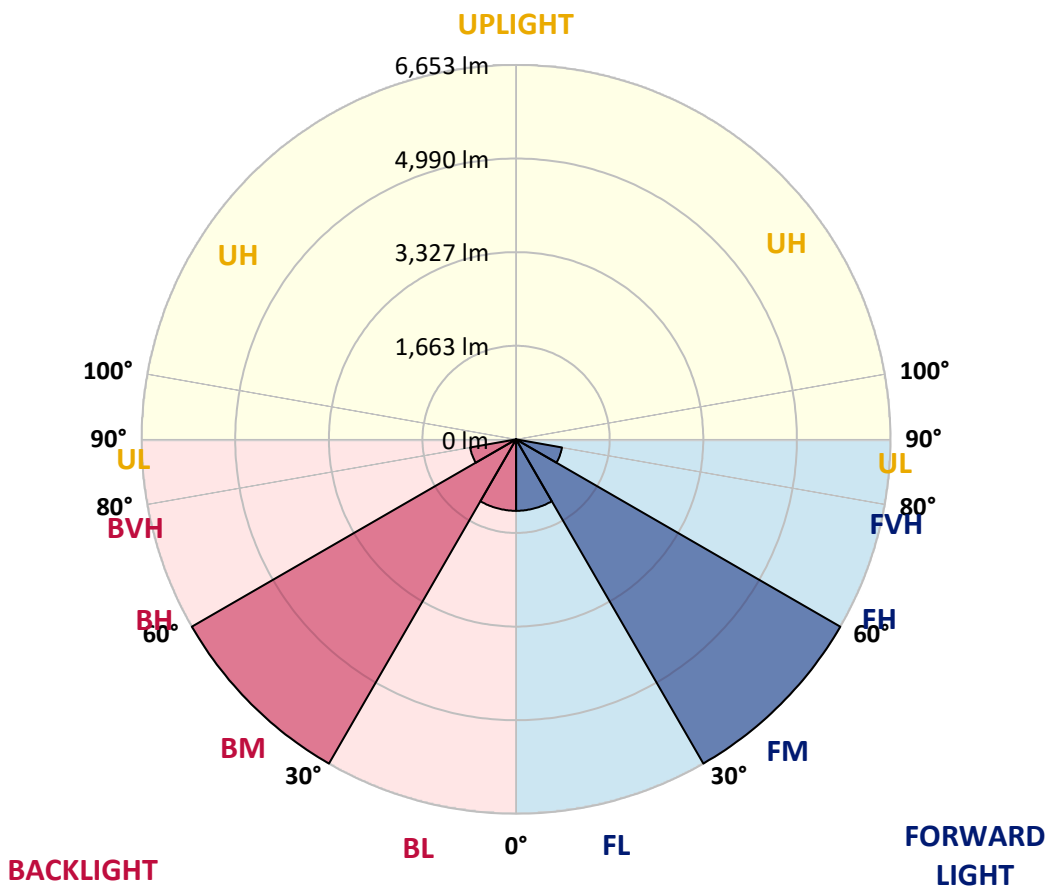
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.2	7.3			
FM (30°-60°)	6653.4	38.0			
FH (60°-80°)	828.5	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1269.2	7.3	B3/2500		
BM (30°-60°)	6653.4	38.0	B4/8500		
BH (60°-80°)	828.5	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°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2889.5	2887.5	2895.7	2901.8	2901.8	2916.2	2912.1	2908.0	2903.9	2897.7	2912.1
5°	2885.4	2883.4	2889.5	2893.6	2889.5	2901.8	2893.6	2885.4	2881.3	2873.1	2889.5
7.5°	2866.9	2869.0	2873.1	2877.2	2871.0	2881.3	2871.0	2858.7	2848.5	2840.2	2854.6
10°	2838.2	2840.2	2844.3	2852.6	2854.6	2869.0	2854.6	2832.0	2817.6	2805.3	2819.7
12.5°	2823.8	2825.9	2832.0	2842.3	2844.3	2862.8	2844.3	2811.5	2791.0	2776.6	2791.0
15°	2827.9	2832.0	2840.2	2852.6	2856.7	2875.2	2850.5	2807.4	2778.6	2760.1	2772.5
17.5°	2842.3	2846.4	2858.7	2879.3	2893.6	2912.1	2881.3	2825.9	2786.8	2760.1	2772.5
20°	2860.8	2866.9	2887.5	2920.3	2951.1	2984.0	2945.0	2869.0	2817.6	2784.8	2795.1
22.5°	2912.1	2918.3	2947.0	2990.2	3041.5	3082.6	3035.3	2938.8	2869.0	2825.9	2836.1
25°	3016.9	3023.0	3060.0	3115.4	3181.2	3234.5	3175.0	3053.8	2963.5	2914.2	2918.3
27.5°	3181.2	3187.3	3230.4	3308.5	3396.8	3472.8	3386.5	3244.8	3142.1	3084.6	3084.6
30°	3388.6	3396.8	3454.3	3559.0	3696.6	3797.3	3680.2	3507.7	3376.2	3298.2	3300.3
32.5°	3655.6	3647.3	3729.5	3873.2	4068.3	4201.8	4029.3	3819.8	3657.6	3548.8	3559.0
35°	3998.5	3996.5	4088.9	4284.0	4538.6	4698.8	4493.5	4222.4	4027.3	3916.4	3918.4
37.5°	4440.1	4438.0	4544.8	4756.3	5062.3	5195.8	4965.8	4690.6	4481.1	4374.3	4386.7
40°	4957.6	4945.3	5039.7	5243.0	5549.0	5635.3	5384.7	5163.0	4961.7	4893.9	4926.8
42.5°	5450.5	5423.8	5479.2	5664.0	5900.2	5912.5	5723.6	5571.6	5434.0	5380.6	5401.2
45°	5846.8	5826.3	5877.6	5984.4	6120.0	6058.4	5968.0	5920.8	5809.9	5752.4	5770.8
47.5°	6142.6	6142.6	6204.2	6269.9	6290.4	6177.5	6191.8	6191.8	6080.9	5990.6	5968.0
50°	6397.2	6415.7	6508.1	6575.9	6508.1	6364.4	6446.5	6430.1	6204.2	6023.4	5976.2
52.5°	6803.8	6822.3	6964.0	7056.4	6980.5	6838.8	6849.0	6643.7	6311.0	6097.4	6023.4
55°	7235.1	7280.3	7485.7	7732.1	7734.2	7588.3	7317.3	6953.8	6549.2	6317.1	6241.1
57.5°	6670.4	6732.0	7038.0	7631.5	8060.7	7960.1	7313.2	6674.5	6128.2	5811.9	5768.8
60°	4590.0	4696.8	5002.8	5814.0	6641.6	6680.6	5916.7	5199.9	4573.5	4183.3	4191.6
62.5°	1938.7	2047.5	2220.0	2887.5	3647.3	3694.6	3324.9	2811.5	2300.1	2018.8	2061.9
65°	455.9	486.7	538.1	798.9	1158.3	1211.7	1117.2	870.8	642.8	544.2	554.5
67.5°	199.2	203.3	193.0	205.4	254.7	260.8	252.6	221.8	209.5	213.6	213.6
70°	139.7	141.7	133.5	127.3	121.2	113.0	117.1	129.4	139.7	147.9	145.8
72.5°	86.3	88.3	90.4	90.4	84.2	76.0	80.1	88.3	90.4	92.4	90.4
75°	43.1	45.2	49.3	51.3	49.3	47.2	47.2	49.3	49.3	47.2	47.2
77.5°	8.2	10.3	14.4	16.4	16.4	16.4	16.4	16.4	18.5	16.4	16.4
80°	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
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)