

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: P639721

Luminaire Tested: GWS-SA5C-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16756.4 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

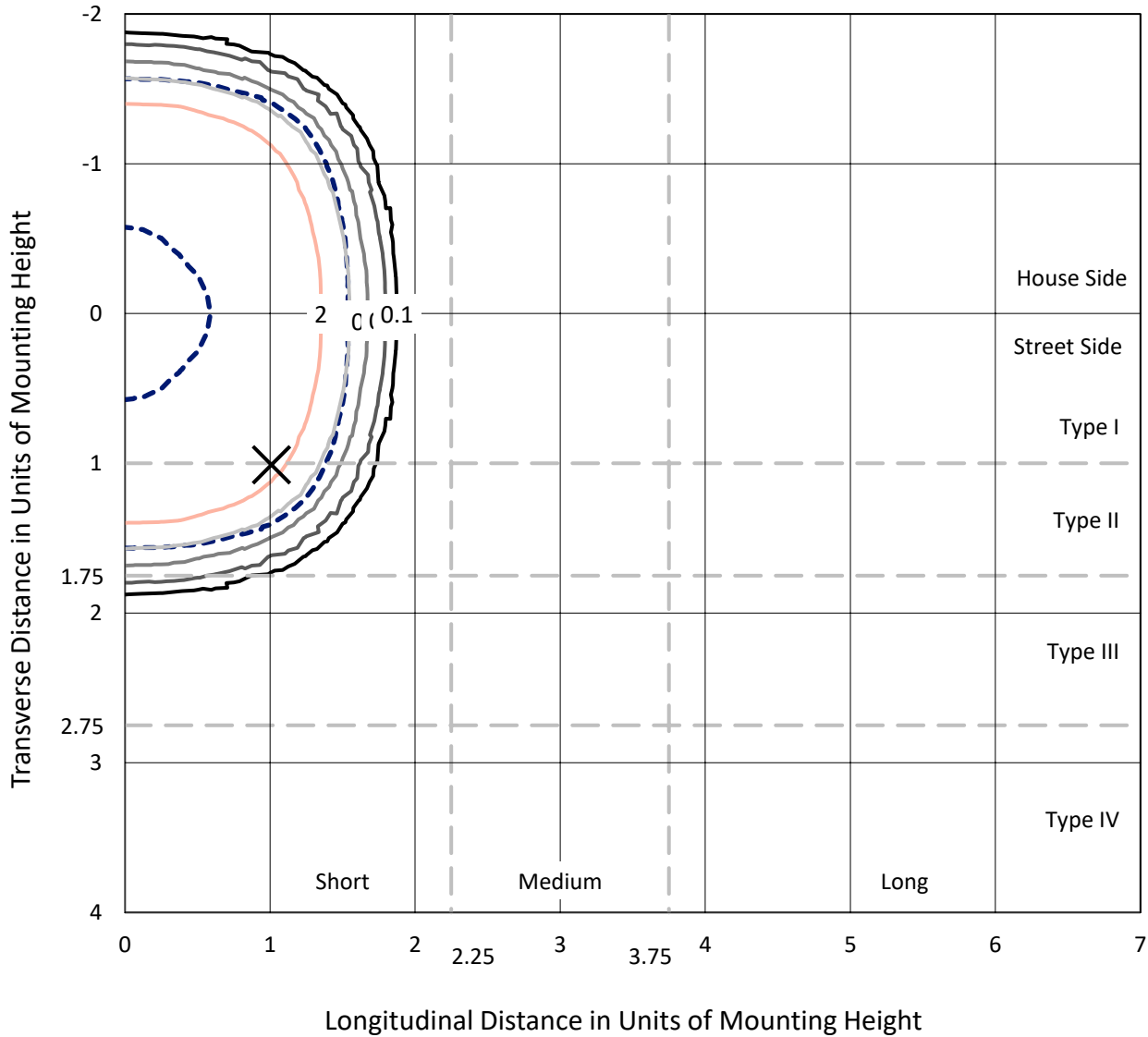
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

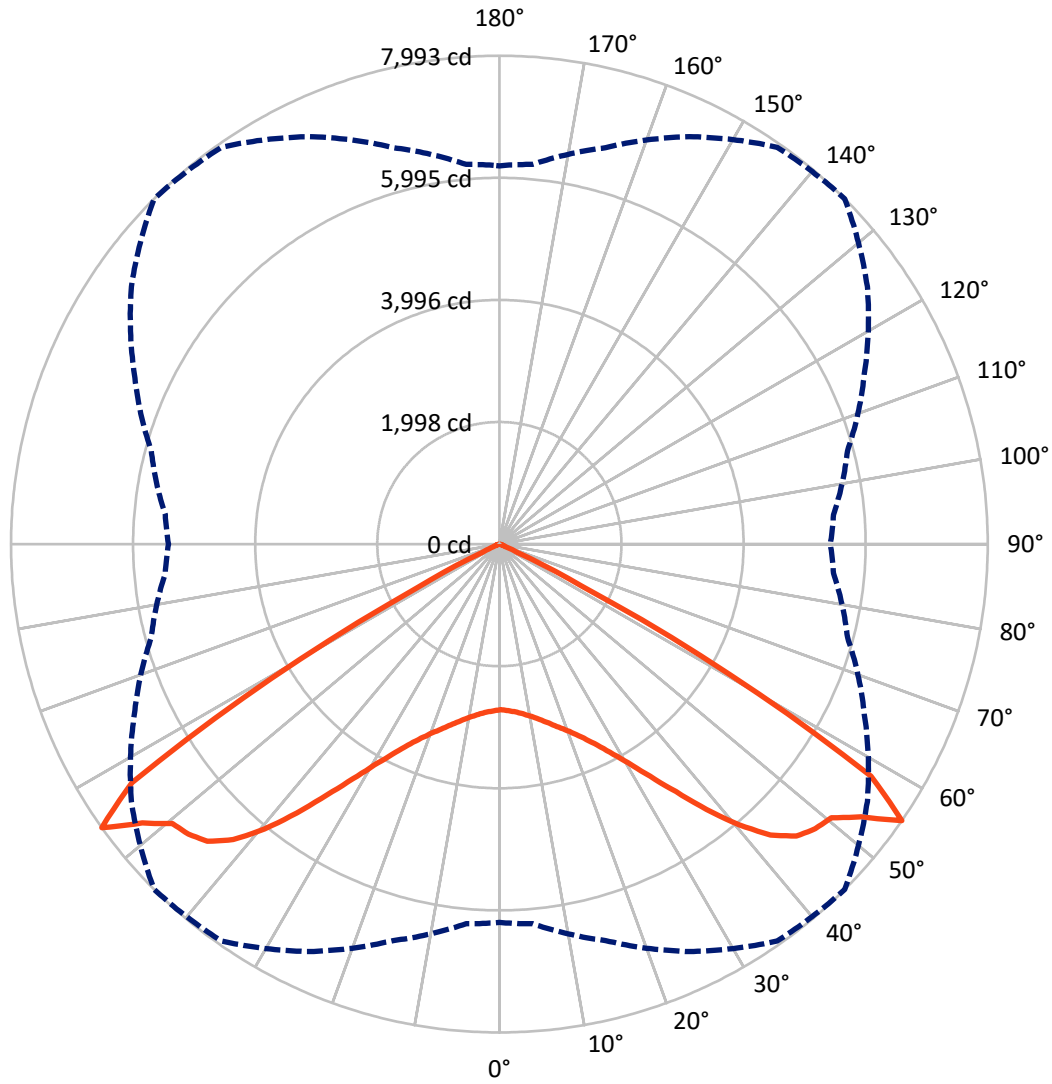
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8378.2	0.0	8378.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8378.2	0.0	8378.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16756.4	0.0	16756.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.4	1.6
10°-20°	860.4	5.1
20°-30°	1666.4	9.9
30°-40°	2985.4	17.8
40°-50°	5005.2	29.9
50°-60°	5357.8	32.0
60°-70°	588.8	3.5
70°-80°	25.9	0.2
80°-90°	1.2	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°	16756.4	100.0
0°-180°	16756.4	100.0

Coefficient of Utilization



REPORT NUMBER: P639721

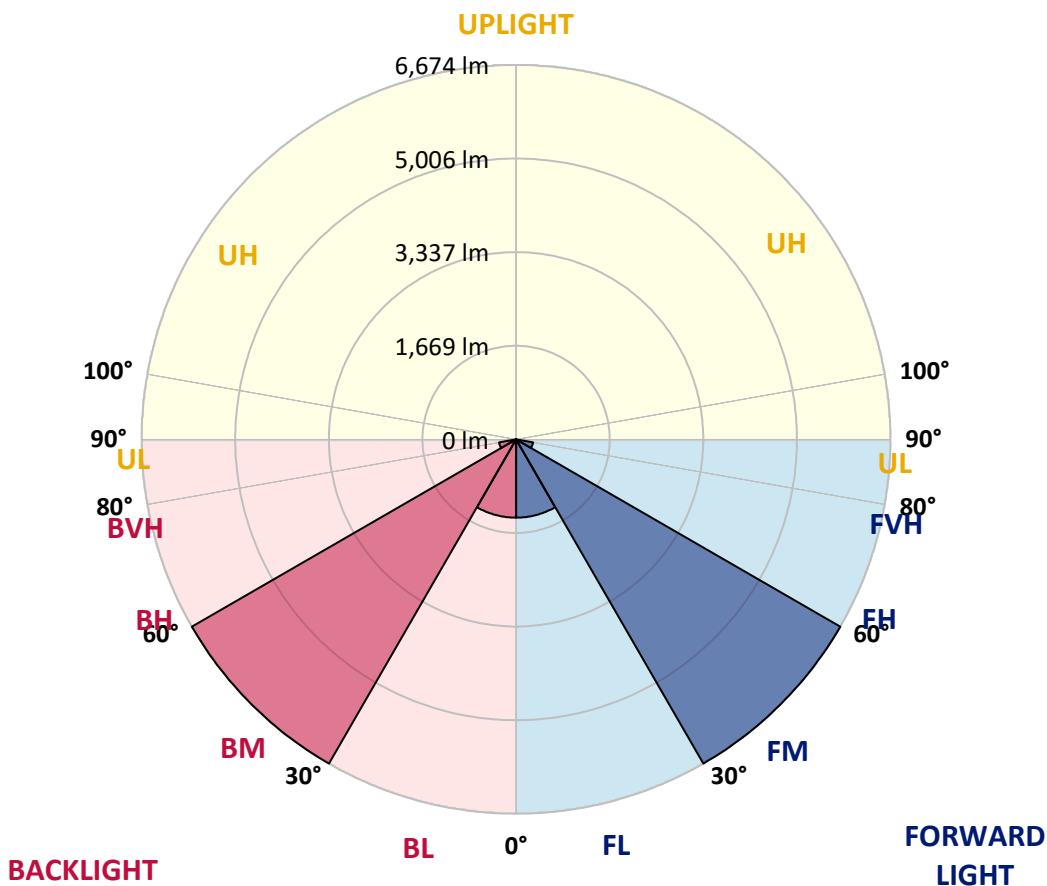
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.1	8.3			
FM (30°-60°)	6674.1	39.8			
FH (60°-80°)	307.3	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1396.1	8.3	B3/2500		
BM (30°-60°)	6674.1	39.8	B4/8500		
BH (60°-80°)	307.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2	2709.2
2.5°	2704.1	2704.1	2710.9	2716.0	2716.0	2729.7	2724.6	2719.4	2719.4	2712.6	2726.3
5°	2743.3	2741.6	2748.5	2751.9	2745.0	2758.7	2750.2	2745.0	2741.6	2734.8	2748.5
7.5°	2786.0	2787.7	2789.4	2796.2	2792.8	2806.5	2799.7	2789.4	2786.0	2775.8	2789.4
10°	2837.2	2837.2	2840.6	2849.2	2850.9	2867.9	2861.1	2849.2	2838.9	2828.7	2842.3
12.5°	2902.1	2903.8	2908.9	2920.9	2927.7	2946.5	2936.2	2912.3	2897.0	2885.0	2900.4
15°	2996.0	2994.3	3001.1	3018.2	3026.7	3040.4	3025.0	2992.6	2973.8	2960.1	2970.4
17.5°	3098.4	3098.4	3101.8	3118.9	3130.8	3151.3	3132.6	3093.3	3076.2	3057.4	3067.7
20°	3211.1	3216.2	3219.6	3231.6	3252.0	3272.5	3257.2	3217.9	3199.1	3175.2	3187.2
22.5°	3359.6	3354.5	3356.2	3376.7	3405.7	3426.2	3414.2	3368.1	3335.7	3316.9	3323.7
25°	3525.2	3523.5	3528.6	3559.3	3591.8	3614.0	3596.9	3537.1	3504.7	3472.3	3485.9
27.5°	3728.3	3730.0	3733.5	3771.0	3822.2	3854.7	3812.0	3752.2	3707.8	3665.2	3675.4
30°	3969.0	3965.6	3975.9	4027.1	4102.2	4153.4	4103.9	4020.2	3957.1	3916.1	3921.2
32.5°	4225.1	4228.5	4255.8	4337.8	4436.8	4527.3	4426.5	4315.6	4233.6	4156.8	4167.1
35°	4501.7	4510.2	4571.6	4692.9	4855.0	4976.2	4836.2	4653.6	4537.5	4438.5	4441.9
37.5°	4827.7	4848.2	4933.6	5114.5	5346.7	5508.9	5304.0	5061.6	4911.4	4788.4	4779.9
40°	5256.2	5280.1	5396.2	5611.3	5893.0	6041.5	5804.2	5554.9	5368.9	5235.7	5215.2
42.5°	5747.8	5778.6	5904.9	6125.1	6406.8	6507.5	6275.3	6065.4	5898.1	5741.0	5734.2
45°	6302.7	6319.7	6422.2	6591.2	6794.3	6818.2	6644.1	6528.0	6359.0	6212.2	6200.2
47.5°	6823.3	6840.4	6910.4	6997.5	7045.3	6959.9	6929.2	6878.0	6659.4	6478.5	6440.9
50°	7219.4	7233.0	7320.1	7354.2	7221.1	7040.1	7099.9	6990.6	6753.3	6550.2	6492.1
52.5°	7192.1	7226.2	7449.8	7644.4	7560.8	7414.0	7253.5	7017.9	6649.2	6370.9	6299.2
55°	6191.7	6237.8	6717.5	7357.7	7929.5	7992.7	7350.8	6591.2	5898.1	5490.1	5416.7
57.5°	3979.3	3991.2	4576.8	5474.7	6763.6	7169.9	6096.1	4969.4	4107.3	3658.3	3627.6
60°	1463.0	1439.1	1881.2	2625.5	3895.6	4325.8	3588.3	2512.9	1792.5	1474.9	1449.3
62.5°	351.7	355.1	440.4	660.7	1222.3	1512.5	1195.0	667.5	425.1	356.8	353.4
65°	177.5	174.1	175.8	189.5	261.2	312.4	256.1	181.0	174.1	175.8	174.1
67.5°	114.4	112.7	116.1	117.8	116.1	109.3	107.5	111.0	111.0	112.7	109.3
70°	70.0	68.3	71.7	76.8	73.4	64.9	68.3	71.7	68.3	66.6	66.6
72.5°	37.6	37.6	41.0	44.4	41.0	37.6	37.6	39.3	37.6	37.6	37.6
75°	17.1	17.1	18.8	20.5	17.1	17.1	17.1	17.1	17.1	17.1	17.1
77.5°	5.1	5.1	6.8	6.8	5.1	5.1	5.1	5.1	6.8	6.8	6.8
80°	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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)