

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: P639723

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24888.8 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

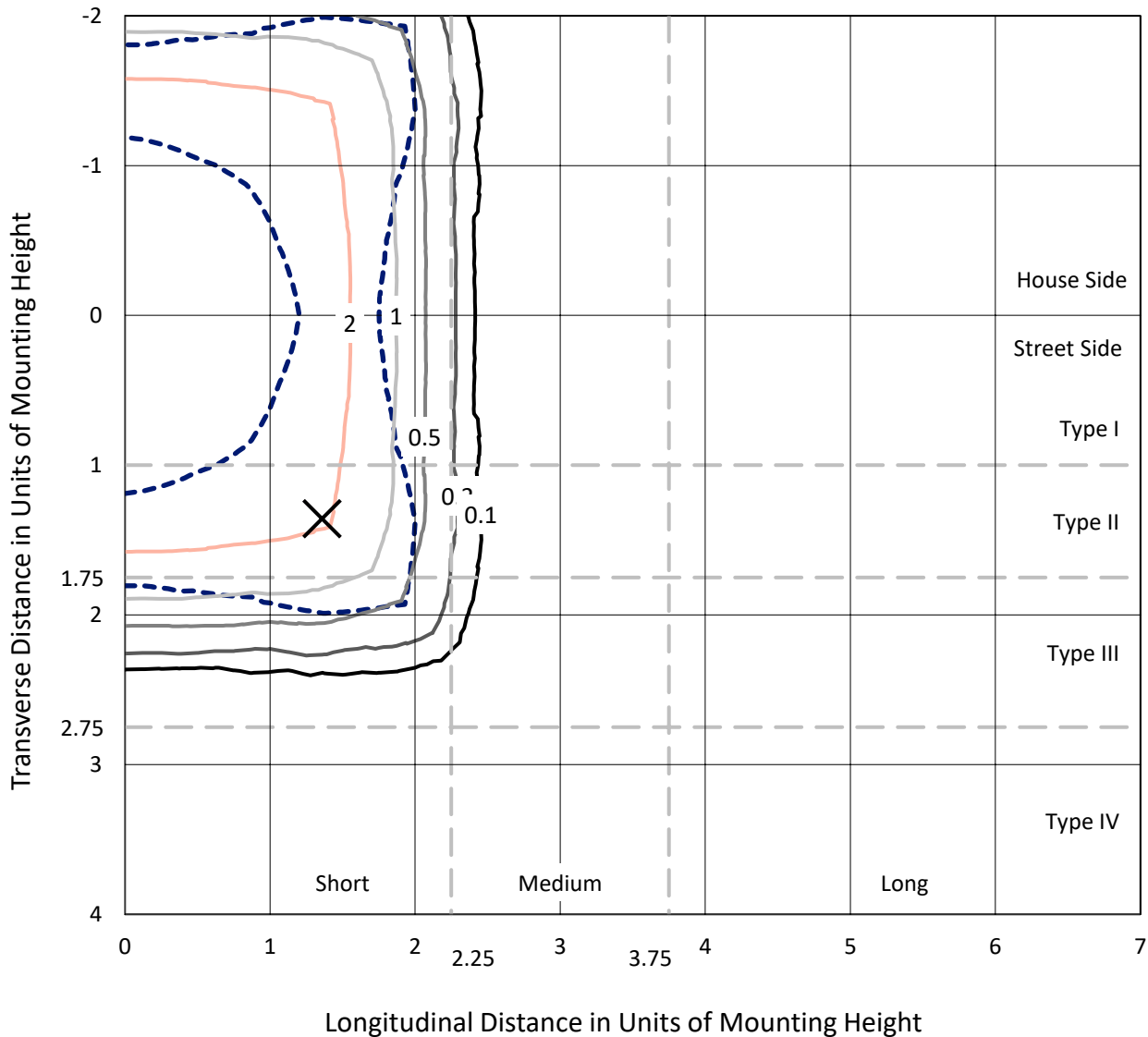
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

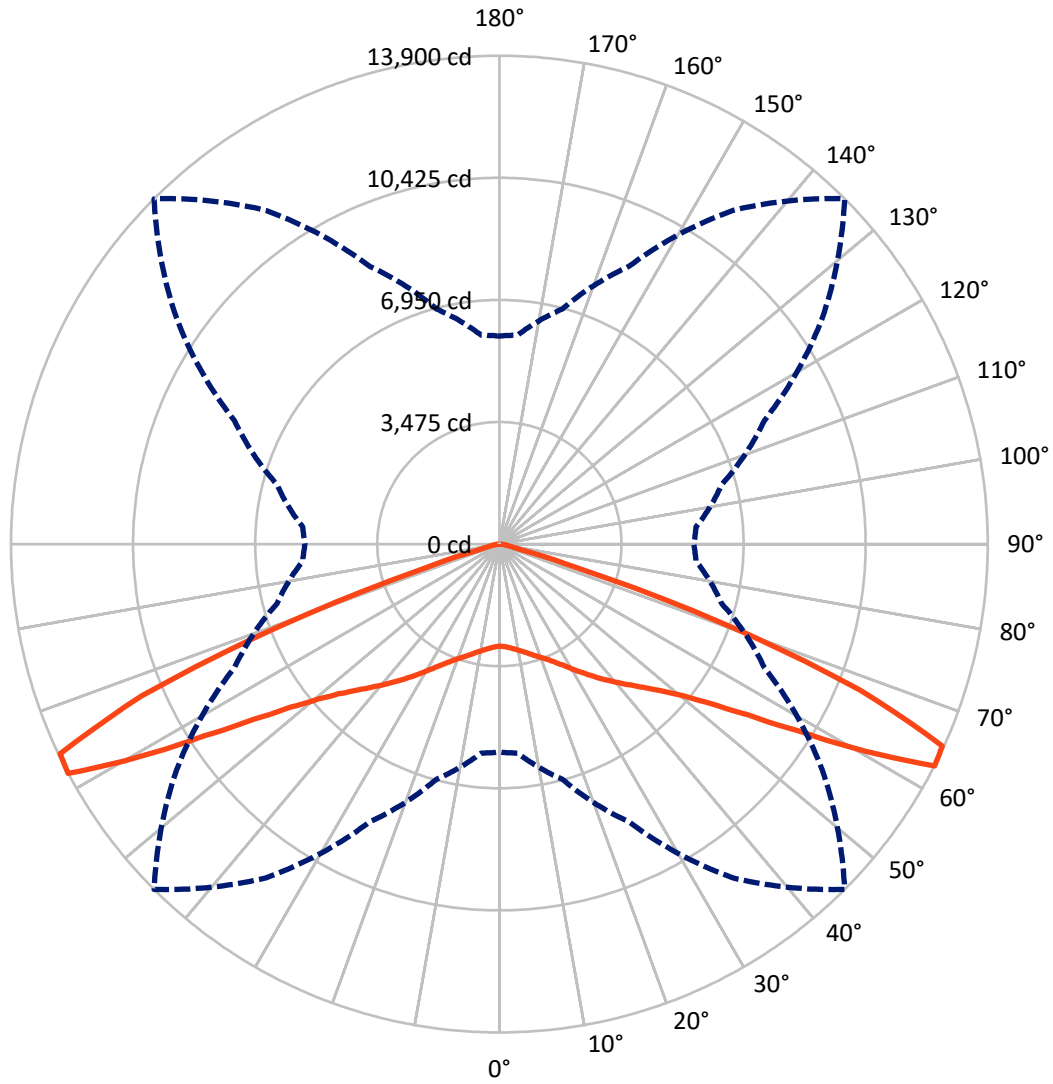
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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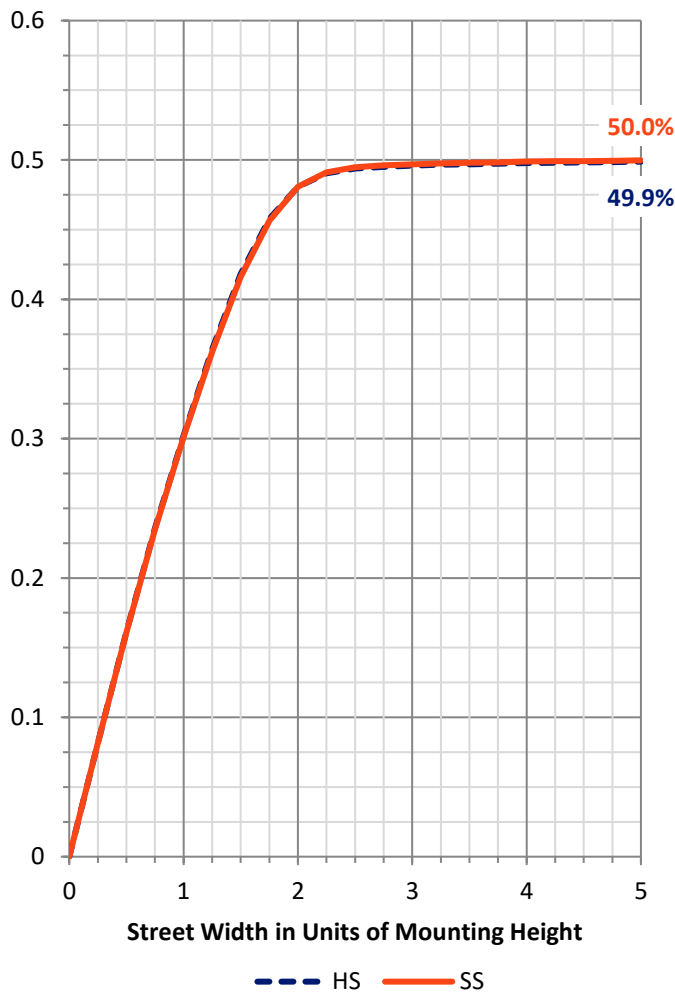
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12444.4	0.0	12444.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12444.4	0.0	12444.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	24888.8	0.0	24888.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	1.1
10°-20°	918.7	3.7
20°-30°	1738.1	7.0
30°-40°	2925.4	11.8
40°-50°	4674.0	18.8
50°-60°	7534.2	30.3
60°-70°	6147.1	24.7
70°-80°	596.9	2.4
80°-90°	69.5	0.3
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°	24888.8	100.0
0°-180°	24888.8	100.0

Coefficient of Utilization



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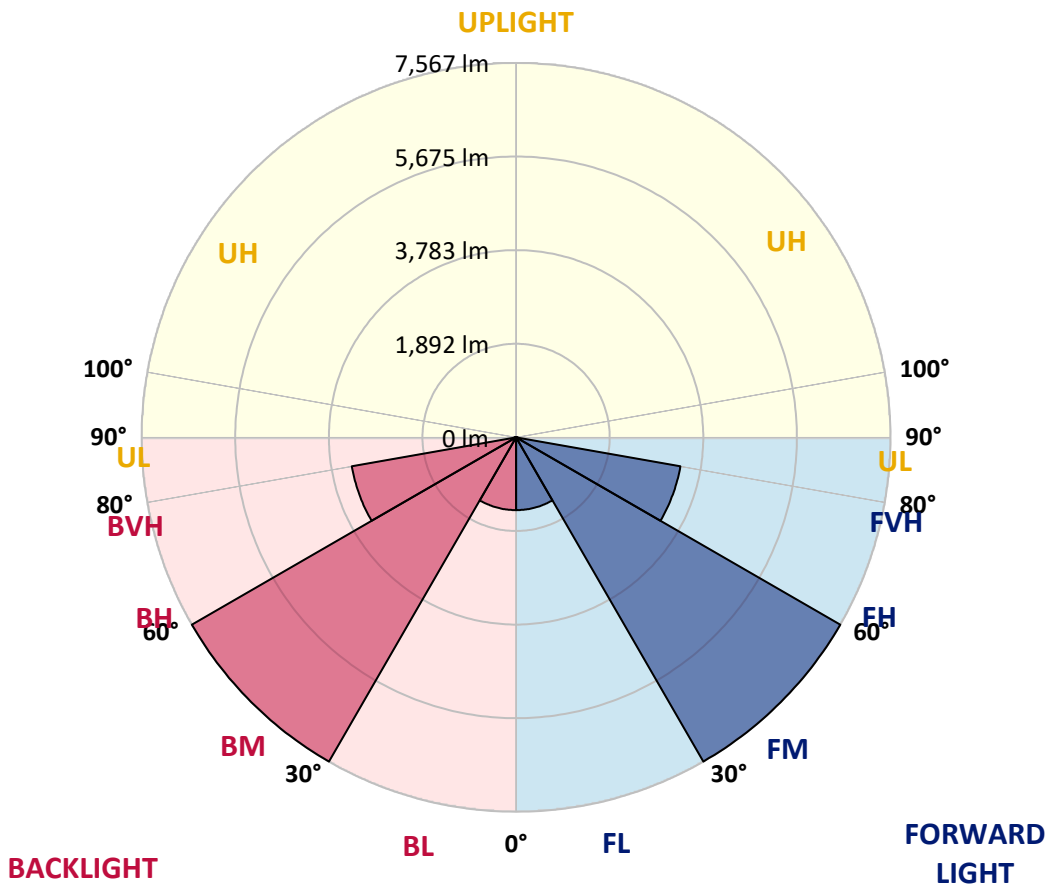
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1470.8	5.9			
FM (30°-60°)	7566.8	30.4			
FH (60°-80°)	3372.0	13.5			G2/5000
FVH (80°-90°)	34.7	0.1			G1/100
BL (0°-30°)	1470.8	5.9	B3/2500		
BM (30°-60°)	7566.8	30.4	B4/8500		
BH (60°-80°)	3372.0	13.5	B4/5000		G2/5000
BVH (80°-90°)	34.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6	2903.6
2.5°	2900.2	2900.2	2907.0	2912.1	2908.7	2922.4	2920.7	2917.3	2915.6	2910.4	2925.8
5°	2939.5	2939.5	2944.6	2949.7	2941.2	2958.2	2951.4	2948.0	2946.3	2939.5	2953.1
7.5°	2983.8	2989.0	2990.7	2999.2	2994.1	3012.9	3007.7	3000.9	2997.5	2989.0	3000.9
10°	3033.3	3036.8	3038.5	3053.8	3055.5	3077.7	3072.6	3064.1	3057.2	3048.7	3065.8
12.5°	3099.9	3101.6	3106.7	3125.5	3130.6	3147.7	3146.0	3134.1	3125.5	3113.6	3132.4
15°	3185.3	3187.0	3195.5	3214.3	3222.8	3243.3	3236.5	3217.7	3205.8	3192.1	3207.5
17.5°	3274.0	3280.9	3289.4	3308.2	3320.1	3344.0	3335.5	3315.0	3304.8	3291.1	3301.3
20°	3388.4	3390.1	3395.2	3415.7	3424.3	3451.6	3453.3	3432.8	3427.7	3414.0	3429.4
22.5°	3514.7	3516.4	3521.5	3543.7	3559.1	3576.2	3586.4	3574.5	3565.9	3548.9	3567.6
25°	3654.7	3671.8	3676.9	3704.2	3721.3	3731.5	3743.5	3738.3	3726.4	3705.9	3714.4
27.5°	3851.0	3854.4	3863.0	3893.7	3903.9	3914.2	3926.1	3927.8	3910.7	3886.8	3898.8
30°	4074.6	4072.9	4091.7	4115.6	4124.1	4132.7	4149.7	4160.0	4137.8	4112.2	4124.1
32.5°	4303.4	4323.8	4347.7	4369.9	4364.8	4368.2	4395.5	4414.3	4383.6	4337.5	4347.7
35°	4561.1	4574.8	4605.5	4637.9	4631.1	4626.0	4643.1	4661.8	4619.2	4559.4	4574.8
37.5°	4825.7	4846.2	4892.3	4931.5	4921.3	4897.4	4916.2	4936.7	4895.7	4827.4	4820.6
40°	5121.0	5153.4	5220.0	5252.5	5225.1	5179.1	5211.5	5261.0	5220.0	5141.5	5122.7
42.5°	5467.5	5506.8	5573.4	5622.9	5563.1	5488.0	5542.6	5614.3	5604.1	5500.0	5467.5
45°	5896.0	5921.6	6003.5	6027.4	5938.7	5834.5	5933.5	6042.8	6017.2	5904.5	5861.9
47.5°	6362.0	6401.3	6473.0	6517.3	6374.0	6244.2	6382.5	6529.3	6502.0	6396.1	6346.6
50°	6956.0	7007.3	7101.1	7138.7	6940.7	6792.2	6969.7	7155.8	7102.8	6961.2	6896.3
52.5°	7603.0	7644.0	7804.4	7879.5	7693.5	7533.0	7688.3	7871.0	7758.3	7570.6	7483.5
55°	8173.1	8214.1	8449.7	8698.9	8690.4	8579.4	8657.9	8661.3	8355.8	8045.1	7952.9
57.5°	8296.0	8337.0	8786.0	9438.0	9898.9	10026.9	9796.5	9311.7	8541.8	7997.3	7893.2
60°	7640.6	7686.6	8400.2	9591.7	11107.5	11962.7	10900.9	9298.1	7966.6	7229.2	7130.2
62.5°	5919.9	5969.4	6928.7	8717.7	11595.7	13900.1	11221.8	8319.9	6553.2	5619.5	5532.4
65°	2826.8	2826.8	4045.6	6252.8	10622.7	13854.0	10293.2	6155.5	3944.9	3029.9	2954.8
67.5°	699.9	703.3	1041.3	2434.2	7225.7	11056.3	7343.5	2954.8	1389.5	983.2	957.6
70°	437.0	435.3	483.1	658.9	2528.1	6710.2	3002.6	891.1	565.0	498.4	495.0
72.5°	339.7	339.7	363.6	421.6	662.3	2285.7	875.7	495.0	409.7	368.7	368.7
75°	268.0	268.0	285.1	315.8	390.9	588.9	466.0	367.0	317.5	290.2	286.8
77.5°	199.7	203.1	216.8	237.3	266.3	331.2	295.3	276.5	247.5	227.0	220.2
80°	129.7	134.9	151.9	163.9	174.1	218.5	192.9	201.4	187.8	163.9	160.5
82.5°	70.0	71.7	92.2	95.6	99.0	119.5	122.9	128.0	133.1	104.1	97.3
85°	25.6	25.6	30.7	35.8	39.3	42.7	58.0	71.7	75.1	59.7	58.0
87.5°	5.1	5.1	5.1	3.4	3.4	3.4	10.2	18.8	30.7	23.9	23.9
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)