

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: P639778

Luminaire Tested: GWS-SA5C-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639778  
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-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25459.1 lumens  
Efficiency: N/A  
Efficacy: 161.6 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

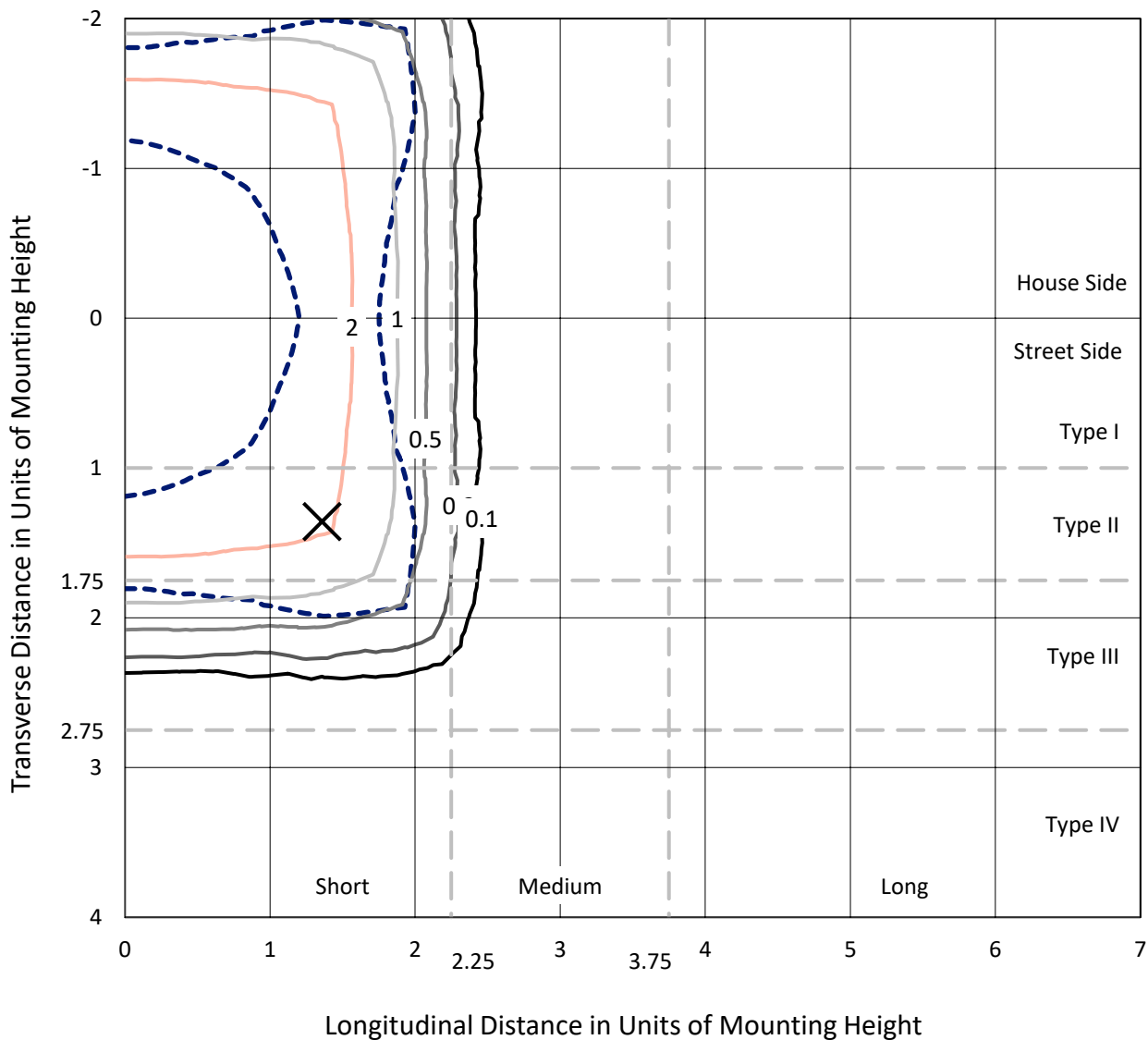


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### Iso-Footcandle Lines of Horizontal Illumination

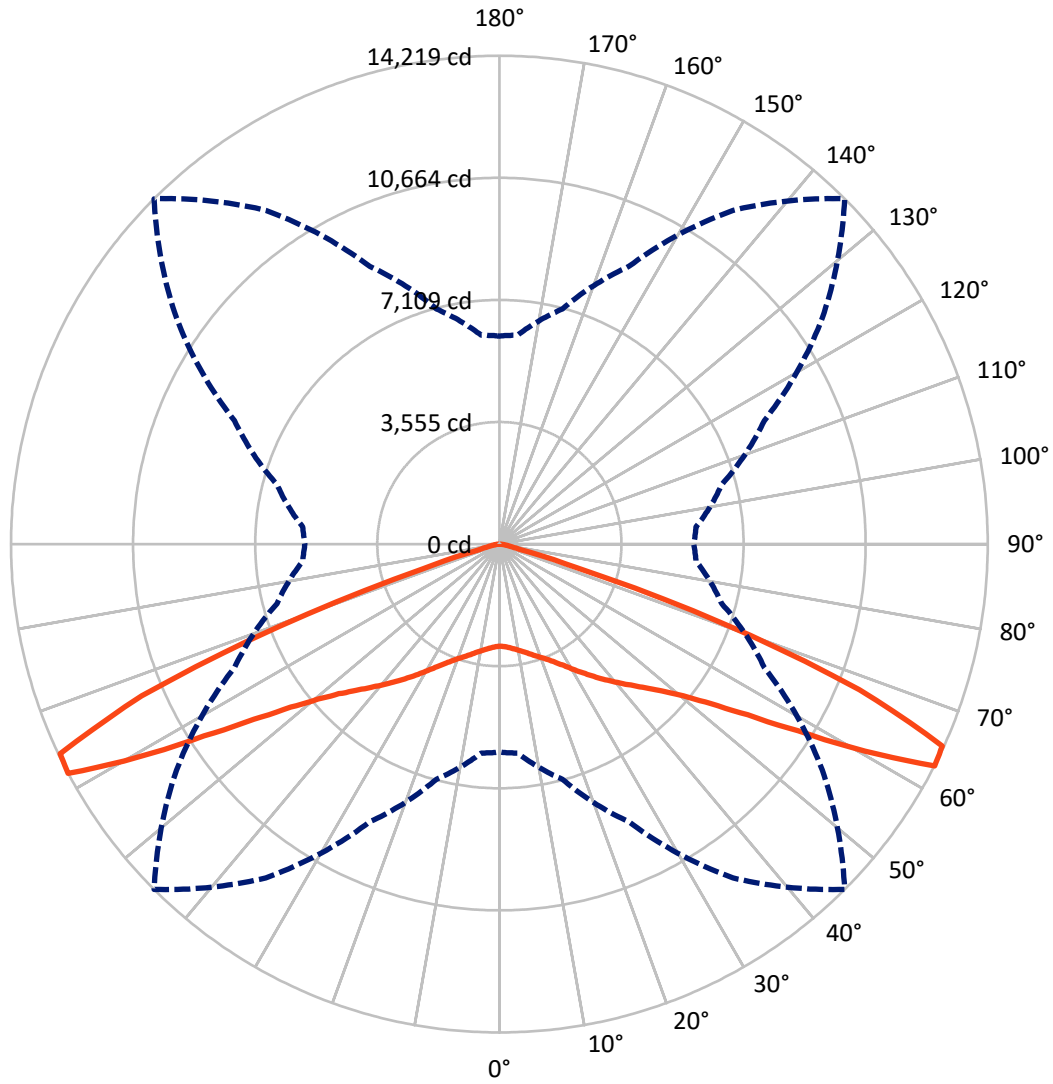
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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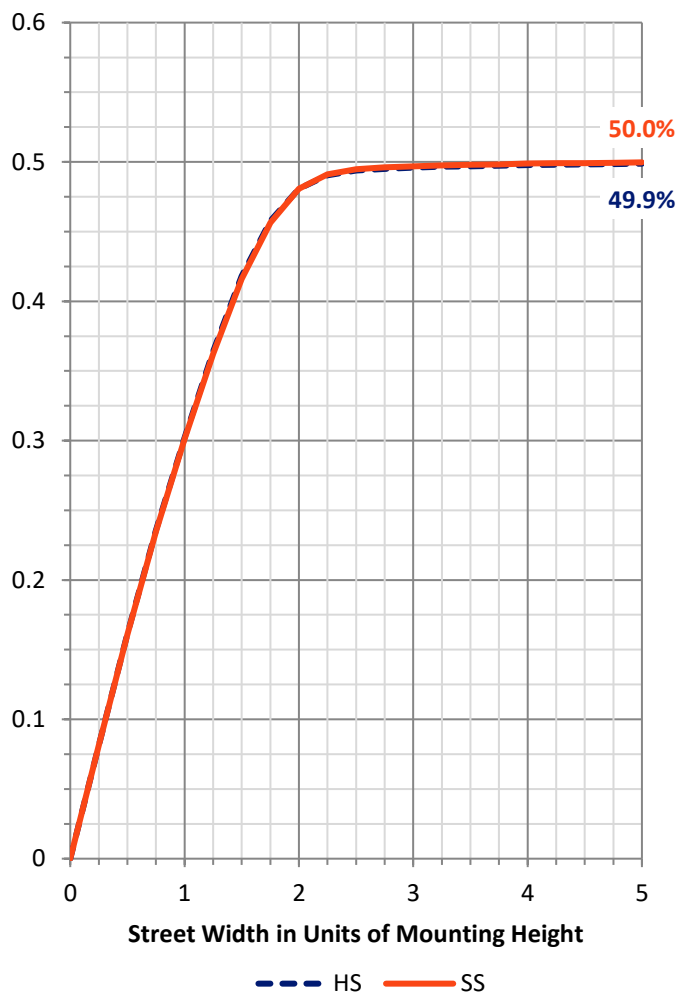
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12729.5	0.0	12729.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12729.5	0.0	12729.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25459.1	0.0	25459.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.4	1.1
10°-20°	939.8	3.7
20°-30°	1777.9	7.0
30°-40°	2992.5	11.8
40°-50°	4781.1	18.8
50°-60°	7706.9	30.3
60°-70°	6287.9	24.7
70°-80°	610.6	2.4
80°-90°	71.0	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°	25459.1	100.0
0°-180°	25459.1	100.0

**Coefficient of Utilization**



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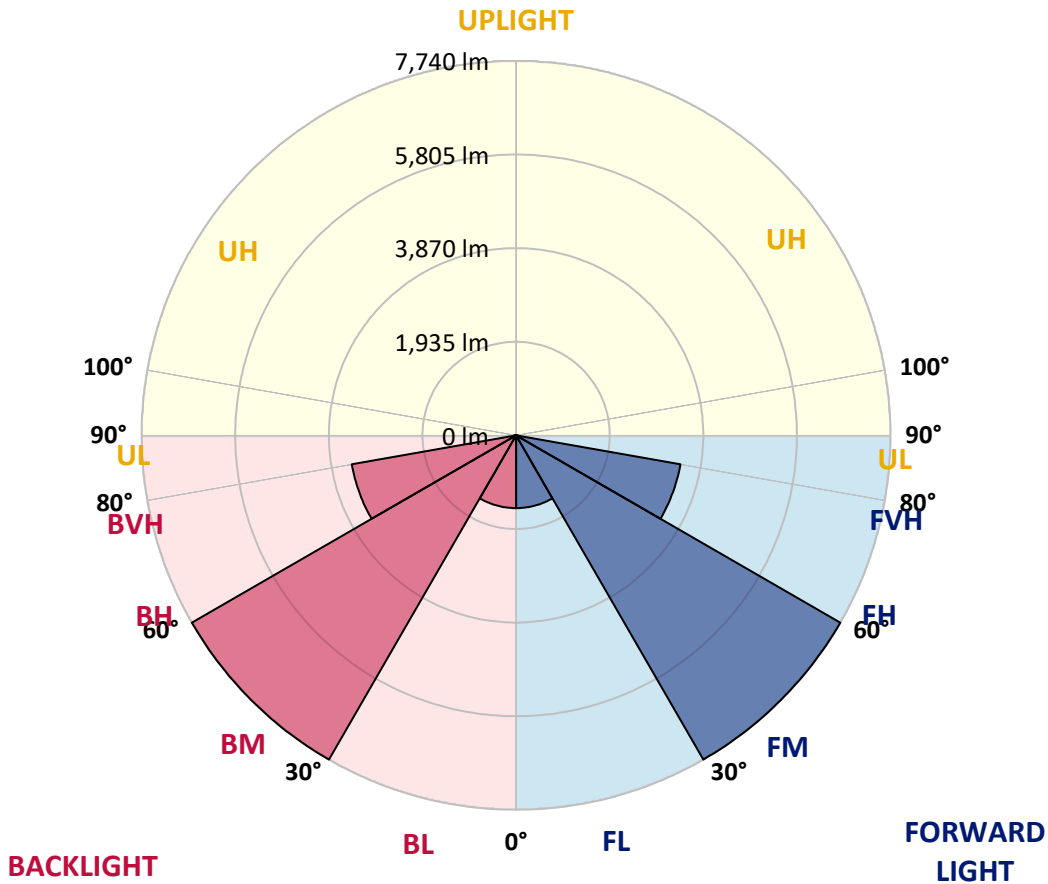
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1504.5	5.9			
FM (30°-60°)	7740.2	30.4			
FH (60°-80°)	3449.3	13.5			G2/5000
FVH (80°-90°)	35.5	0.1			G1/100
BL (0°-30°)	1504.5	5.9	B3/2500		
BM (30°-60°)	7740.2	30.4	B4/8500		
BH (60°-80°)	3449.3	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.5	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°	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1
2.5°	2966.7	2966.7	2973.6	2978.9	2975.4	2989.4	2987.6	2984.1	2982.4	2977.1	2992.8
5°	3006.8	3006.8	3012.1	3017.3	3008.6	3026.0	3019.0	3015.5	3013.8	3006.8	3020.8
7.5°	3052.2	3057.5	3059.2	3067.9	3062.7	3081.9	3076.7	3069.7	3066.2	3057.5	3069.7
10°	3102.9	3106.3	3108.1	3123.8	3125.6	3148.3	3143.0	3134.3	3127.3	3118.6	3136.0
12.5°	3171.0	3172.7	3177.9	3197.1	3202.4	3219.8	3218.1	3205.9	3197.1	3184.9	3204.1
15°	3258.3	3260.0	3268.7	3287.9	3296.7	3317.6	3310.6	3291.4	3279.2	3265.2	3281.0
17.5°	3349.1	3356.0	3364.8	3384.0	3396.2	3420.6	3411.9	3391.0	3380.5	3366.5	3377.0
20°	3466.0	3467.8	3473.0	3494.0	3502.7	3530.7	3532.4	3511.4	3506.2	3492.2	3508.0
22.5°	3595.3	3597.0	3602.2	3624.9	3640.7	3658.1	3668.6	3656.4	3647.6	3630.2	3649.4
25°	3738.4	3755.9	3761.1	3789.1	3806.5	3817.0	3829.2	3824.0	3811.8	3790.8	3799.6
27.5°	3939.2	3942.7	3951.5	3982.9	3993.4	4003.8	4016.1	4017.8	4000.4	3975.9	3988.1
30°	4168.0	4166.2	4185.4	4209.9	4218.6	4227.4	4244.8	4255.3	4232.6	4206.4	4218.6
32.5°	4402.0	4422.9	4447.4	4470.1	4464.8	4468.3	4496.3	4515.5	4484.0	4436.9	4447.4
35°	4665.6	4679.6	4711.0	4744.2	4737.2	4732.0	4749.4	4768.6	4725.0	4663.9	4679.6
37.5°	4936.3	4957.2	5004.4	5044.5	5034.1	5009.6	5028.8	5049.8	5007.9	4938.0	4931.0
40°	5238.4	5271.5	5339.6	5372.8	5344.9	5297.7	5330.9	5381.5	5339.6	5259.3	5240.1
42.5°	5592.8	5633.0	5701.1	5751.7	5690.6	5613.8	5669.6	5743.0	5732.5	5626.0	5592.8
45°	6031.1	6057.3	6141.1	6165.5	6074.7	5968.2	6069.5	6181.3	6155.1	6039.8	5996.2
47.5°	6507.8	6547.9	6621.3	6666.7	6520.0	6387.3	6528.7	6678.9	6651.0	6542.7	6492.1
50°	7115.4	7167.8	7263.9	7302.3	7099.7	6947.8	7129.4	7319.7	7265.6	7120.7	7054.3
52.5°	7777.2	7819.1	7983.3	8060.1	7869.8	7705.6	7864.5	8051.4	7936.1	7744.0	7655.0
55°	8360.4	8402.3	8643.3	8898.2	8889.5	8776.0	8856.3	8859.8	8547.2	8229.5	8135.2
57.5°	8486.1	8528.0	8987.3	9654.3	10125.7	10256.7	10021.0	9525.1	8737.6	8180.6	8074.1
60°	7815.6	7862.8	8592.6	9811.4	11362.0	12236.8	11150.7	9511.1	8149.1	7394.8	7293.5
62.5°	6055.5	6106.2	7087.5	8917.4	11861.4	14218.6	11479.0	8510.6	6703.3	5748.2	5659.2
65°	2891.6	2891.6	4138.3	6396.0	10866.1	14171.5	10529.1	6296.5	4035.3	3099.4	3022.5
67.5°	715.9	719.4	1065.1	2490.0	7391.3	11309.6	7511.8	3022.5	1421.3	1005.8	979.6
70°	447.0	445.3	494.2	674.0	2586.0	6864.0	3071.4	911.5	578.0	509.9	506.4
72.5°	347.5	347.5	371.9	431.3	677.5	2338.1	895.8	506.4	419.1	377.2	377.2
75°	274.1	274.1	291.6	323.0	399.9	602.4	476.7	375.4	324.8	296.8	293.3
77.5°	204.3	207.8	221.8	242.7	272.4	338.7	302.1	282.9	253.2	232.2	225.2
80°	132.7	137.9	155.4	167.6	178.1	223.5	197.3	206.0	192.1	167.6	164.1
82.5°	71.6	73.3	94.3	97.8	101.3	122.2	125.7	131.0	136.2	106.5	99.5
85°	26.2	26.2	31.4	36.7	40.2	43.7	59.4	73.3	76.8	61.1	59.4
87.5°	5.2	5.2	5.2	3.5	3.5	3.5	10.5	19.2	31.4	24.4	24.4
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)