

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: P639282

Luminaire Tested: GWS-SA5B-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

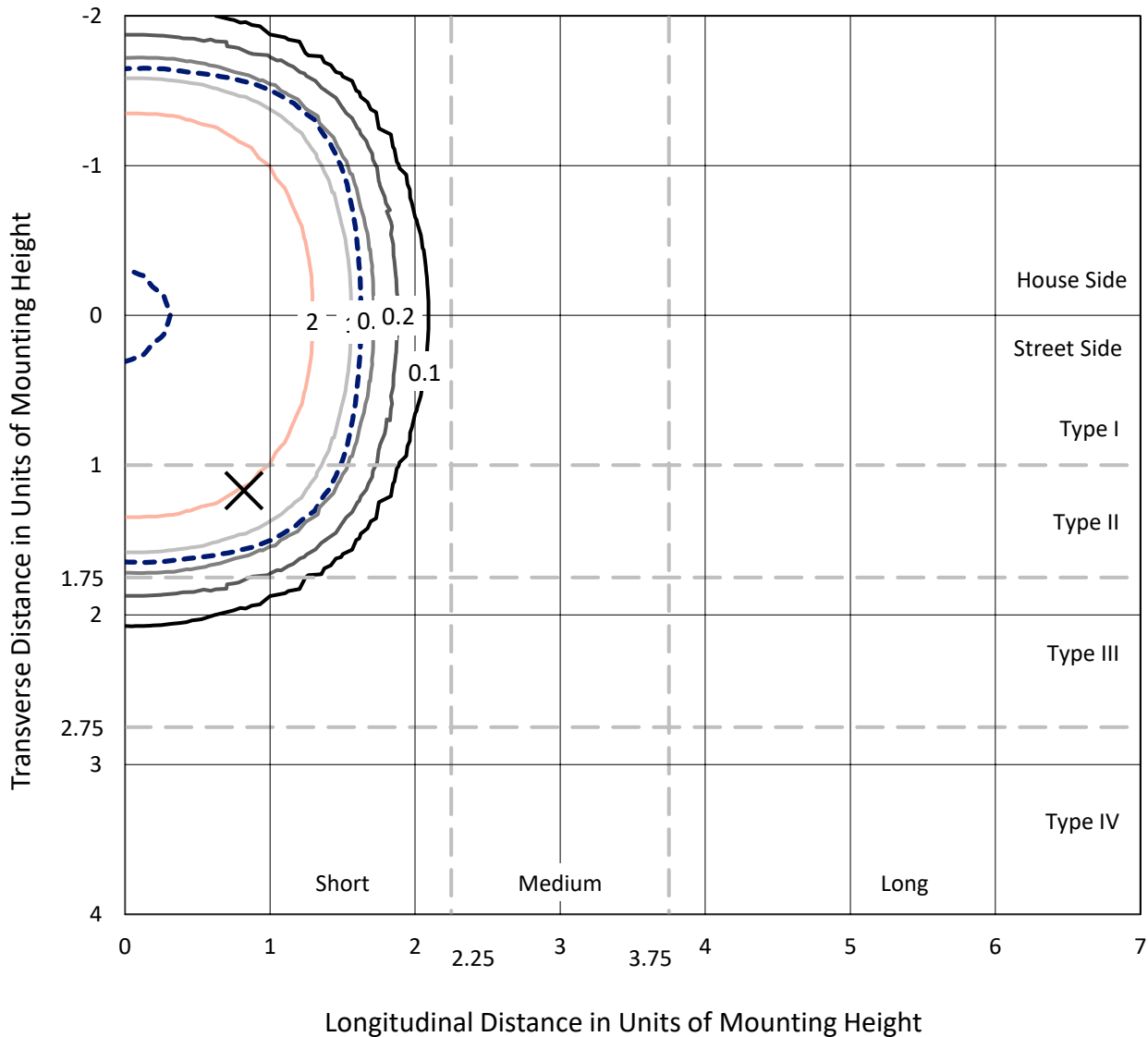
Lumens per Lamp: N/A  
Luminaire Lumens: 16465.5 lumens  
Efficiency: N/A  
Efficacy: 142.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

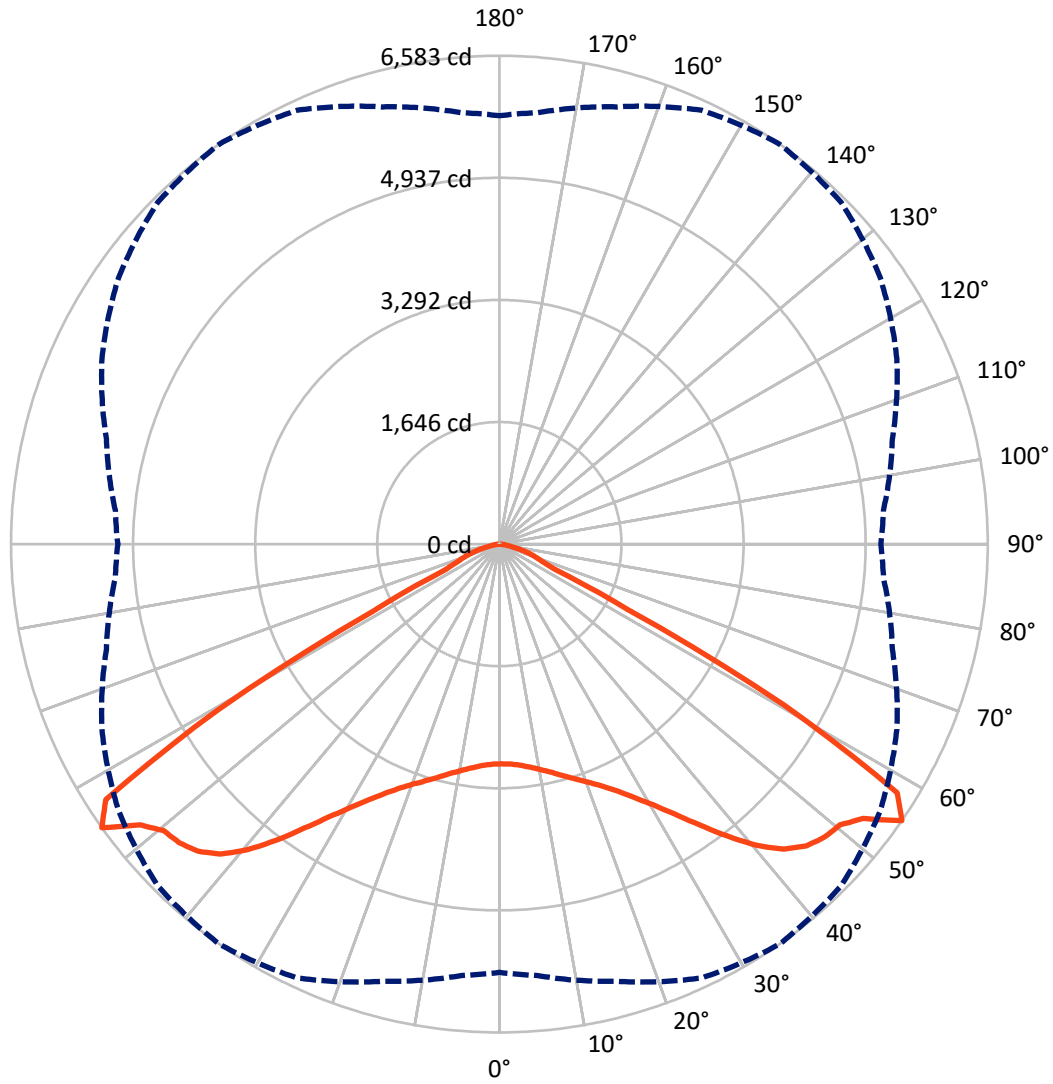
✕ Max cd  
 - - - 1/2 Max cd



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 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8232.7	0.0	8232.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8232.7	0.0	8232.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16465.5	0.0	16465.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.9	1.8
10°-20°	919.9	5.6
20°-30°	1702.5	10.3
30°-40°	2847.9	17.3
40°-50°	4339.8	26.4
50°-60°	4861.5	29.5
60°-70°	1150.3	7.0
70°-80°	310.1	1.9
80°-90°	44.6	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°	16465.5	100.0
0°-180°	16465.5	100.0

**Coefficient of Utilization**



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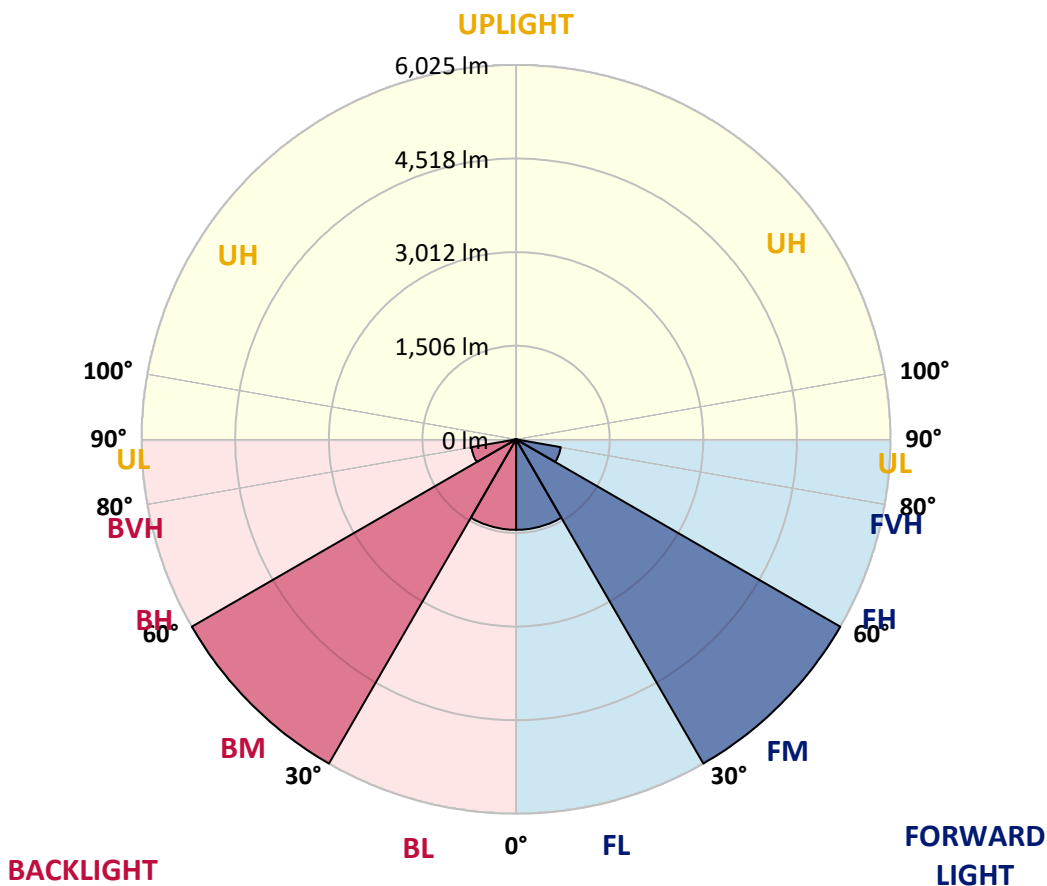
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.6	8.8			
FM (30°-60°)	6024.6	36.6			
FH (60°-80°)	730.2	4.4			G1/1800
FVH (80°-90°)	22.3	0.1			G1/100
BL (0°-30°)	1455.6	8.8	B3/2500		
BM (30°-60°)	6024.6	36.6	B4/8500		
BH (60°-80°)	730.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	22.3	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2	2962.2
2.5°	2955.7	2955.7	2960.9	2967.4	2968.7	2981.7	2979.1	2973.9	2971.3	2966.1	2977.8
5°	2988.2	2989.5	2993.4	2997.3	2994.7	3005.2	3001.2	2994.7	2990.8	2984.3	2996.0
7.5°	3031.2	3031.2	3035.1	3040.3	3037.7	3053.3	3045.5	3036.4	3029.9	3022.1	3032.5
10°	3070.3	3072.9	3076.8	3087.2	3092.4	3109.3	3104.1	3091.1	3080.7	3071.6	3083.3
12.5°	3128.9	3131.5	3135.4	3149.7	3158.8	3175.7	3167.9	3149.7	3134.1	3121.0	3134.1
15°	3204.4	3201.8	3212.2	3230.4	3242.1	3257.8	3248.6	3217.4	3196.6	3179.6	3192.7
17.5°	3281.2	3279.9	3290.3	3313.7	3330.7	3351.5	3335.9	3299.4	3277.3	3256.5	3269.5
20°	3364.5	3368.4	3378.8	3401.0	3425.7	3453.1	3440.0	3401.0	3376.2	3352.8	3363.2
22.5°	3467.4	3468.7	3480.4	3509.1	3541.6	3567.6	3559.8	3511.7	3480.4	3455.7	3468.7
25°	3591.1	3589.8	3605.4	3639.3	3684.8	3710.9	3693.9	3640.6	3606.7	3578.1	3588.5
27.5°	3733.0	3731.7	3755.1	3799.4	3864.5	3901.0	3865.8	3799.4	3752.5	3712.2	3721.3
30°	3911.4	3907.5	3933.5	3993.4	4078.1	4139.3	4087.2	3994.7	3933.5	3890.6	3899.7
32.5°	4109.3	4114.5	4147.1	4227.8	4334.6	4414.0	4335.9	4233.0	4151.0	4088.5	4098.9
35°	4326.7	4326.7	4393.2	4493.4	4645.8	4751.2	4630.1	4481.7	4372.3	4286.4	4289.0
37.5°	4568.9	4571.5	4658.8	4796.8	4996.0	5119.7	4955.6	4772.1	4639.2	4546.8	4541.6
40°	4864.5	4872.3	4962.2	5115.8	5339.8	5453.0	5277.3	5097.6	4962.2	4852.8	4842.4
42.5°	5197.8	5200.4	5295.5	5433.5	5622.3	5690.0	5552.0	5404.9	5294.2	5195.2	5184.8
45°	5515.5	5509.0	5591.0	5693.9	5803.3	5809.8	5733.0	5673.1	5576.7	5492.1	5476.5
47.5°	5762.9	5757.7	5831.9	5887.9	5900.9	5837.1	5861.9	5871.0	5759.0	5644.4	5614.5
50°	5914.0	5924.4	5994.7	6025.9	5949.1	5844.9	5938.7	5915.3	5755.1	5605.4	5557.2
52.5°	6005.1	6020.7	6143.1	6222.5	6143.1	6044.2	6057.2	5919.2	5688.7	5490.8	5428.3
55°	5774.6	5837.1	6101.5	6453.0	6583.2	6514.2	6266.8	5911.4	5484.3	5196.5	5143.1
57.5°	4279.9	4378.8	4770.7	5532.5	6324.1	6575.4	5852.8	4955.6	4308.5	3938.7	3907.5
60°	2184.9	2295.5	2609.3	3391.9	4410.1	4764.2	4076.8	3173.1	2522.1	2222.6	2188.8
62.5°	891.9	910.1	1013.0	1315.1	1949.2	2248.7	1975.2	1386.7	1041.6	959.6	960.9
65°	701.8	705.7	700.5	718.7	816.4	906.2	837.2	735.7	717.4	726.5	720.0
67.5°	612.0	613.3	609.4	609.4	613.3	609.4	617.2	621.1	623.7	634.1	627.6
70°	511.7	513.0	513.0	515.6	514.3	507.8	519.5	524.7	526.0	532.5	528.6
72.5°	395.8	399.7	402.3	403.6	402.3	398.4	404.9	414.1	412.8	419.3	412.8
75°	268.2	273.4	276.0	281.2	279.9	279.9	287.8	291.7	287.8	293.0	287.8
77.5°	152.3	156.2	164.1	169.3	174.5	178.4	183.6	186.2	184.9	187.5	184.9
80°	88.5	89.8	96.4	99.0	105.5	112.0	117.2	119.8	121.1	122.4	121.1
82.5°	50.8	52.1	54.7	57.3	62.5	67.7	72.9	76.8	76.8	78.1	76.8
85°	24.7	24.7	26.0	27.3	29.9	33.9	37.8	41.7	43.0	43.0	43.0
87.5°	3.9	3.9	5.2	5.2	6.5	7.8	10.4	13.0	14.3	14.3	14.3
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)