

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: P640273

Luminaire Tested: GWS-SA5D-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640273  
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-SA5D-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**

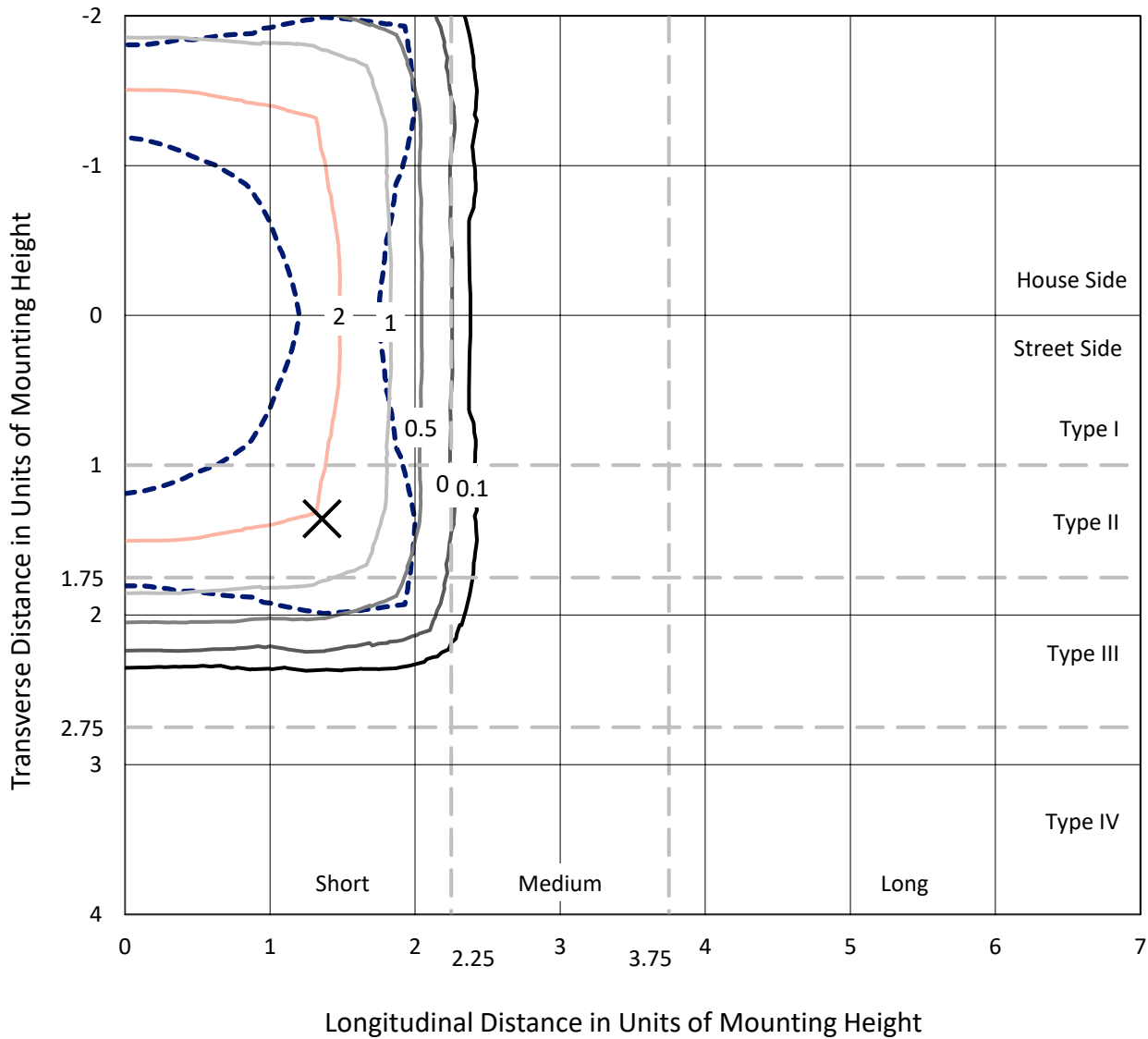
Lumens per Lamp: N/A  
Luminaire Lumens: 32118.2 lumens  
Efficiency: N/A  
Efficacy: 157.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

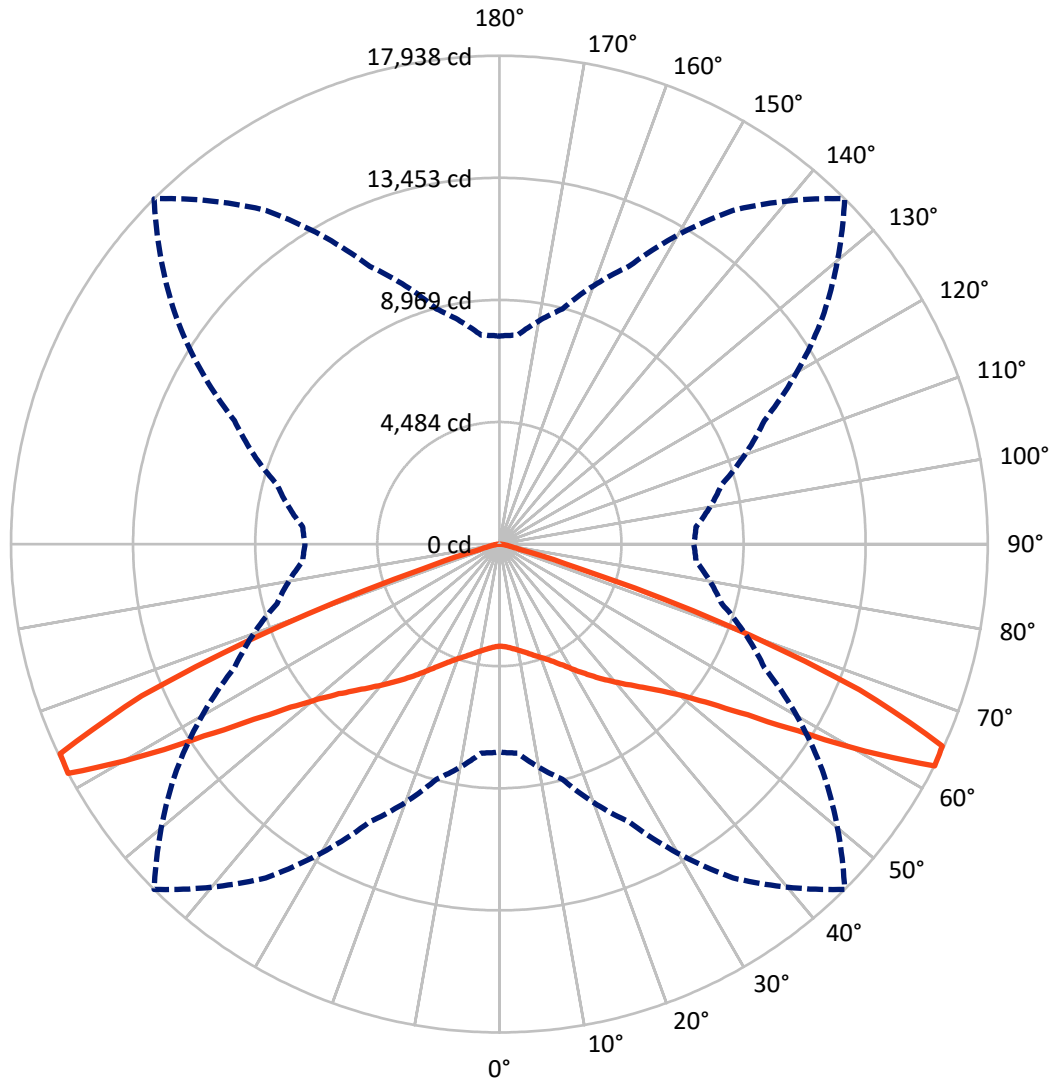
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 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	16059.1	0.0	16059.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16059.1	0.0	16059.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32118.2	0.0	32118.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.6	1.1
10°-20°	1185.6	3.7
20°-30°	2242.9	7.0
30°-40°	3775.2	11.8
40°-50°	6031.6	18.8
50°-60°	9722.7	30.3
60°-70°	7932.6	24.7
70°-80°	770.3	2.4
80°-90°	89.6	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°	32118.2	100.0
0°-180°	32118.2	100.0

**Coefficient of Utilization**



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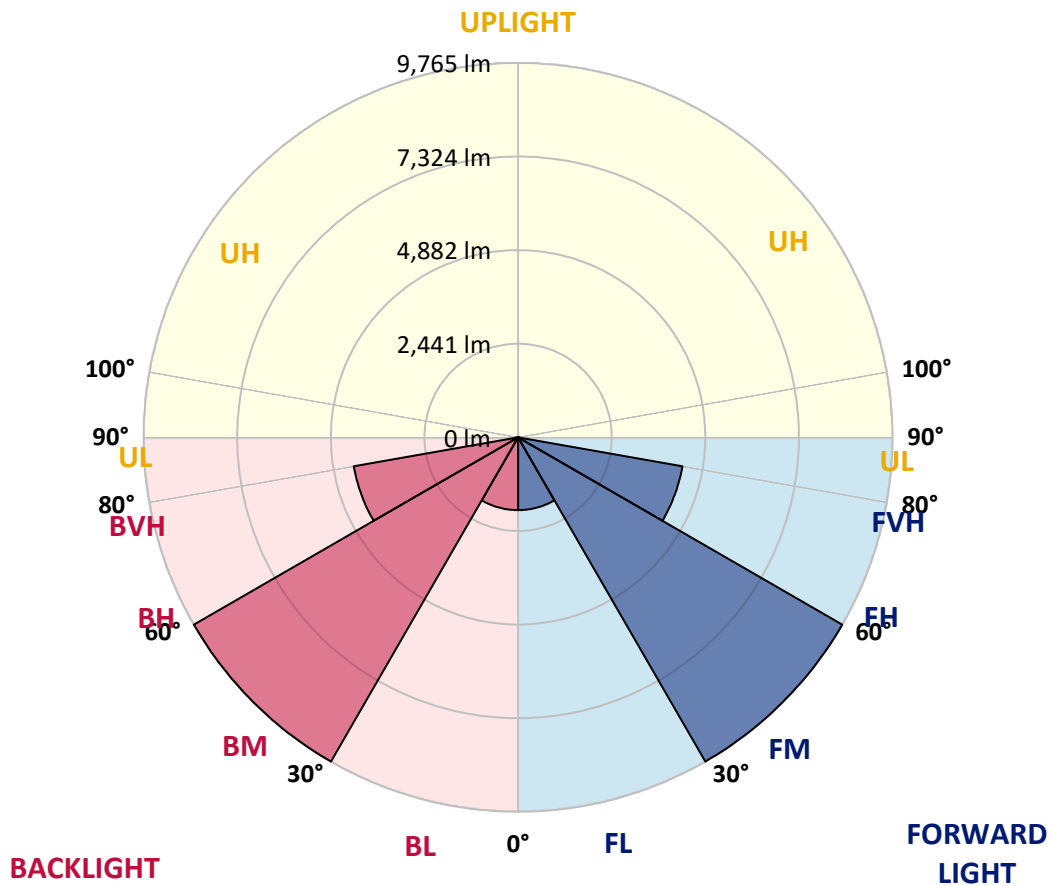
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.1	5.9			
FM (30°-60°)	9764.8	30.4			
FH (60°-80°)	4351.5	13.5			G2/5000
FVH (80°-90°)	44.8	0.1			G1/100
BL (0°-30°)	1898.1	5.9	B3/2500		
BM (30°-60°)	9764.8	30.4	B5		
BH (60°-80°)	4351.5	13.5	B4/5000		G2/5000
BVH (80°-90°)	44.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0	3747.0
2.5°	3742.6	3742.6	3751.4	3758.0	3753.6	3771.3	3769.0	3764.6	3762.4	3755.8	3775.7
5°	3793.3	3793.3	3799.9	3806.5	3795.5	3817.5	3808.7	3804.3	3802.1	3793.3	3810.9
7.5°	3850.6	3857.2	3859.4	3870.4	3863.8	3888.0	3881.4	3872.6	3868.2	3857.2	3872.6
10°	3914.4	3918.8	3921.0	3940.9	3943.1	3971.7	3965.1	3954.1	3945.3	3934.3	3956.3
12.5°	4000.3	4002.5	4009.2	4033.4	4040.0	4062.0	4059.8	4044.4	4033.4	4018.0	4042.2
15°	4110.5	4112.7	4123.7	4147.9	4159.0	4185.4	4176.6	4152.3	4136.9	4119.3	4139.1
17.5°	4225.0	4233.8	4244.9	4269.1	4284.5	4315.4	4304.3	4277.9	4264.7	4247.1	4260.3
20°	4372.6	4374.8	4381.4	4407.9	4418.9	4454.1	4456.3	4429.9	4423.3	4405.7	4425.5
22.5°	4535.6	4537.8	4544.4	4573.1	4592.9	4614.9	4628.2	4612.7	4601.7	4579.7	4603.9
25°	4716.3	4738.3	4744.9	4780.2	4802.2	4815.4	4830.8	4824.2	4808.8	4782.4	4793.4
27.5°	4969.6	4974.0	4985.0	5024.7	5037.9	5051.1	5066.5	5068.7	5046.7	5015.9	5031.3
30°	5258.2	5256.0	5280.2	5311.0	5322.0	5333.1	5355.1	5368.3	5339.7	5306.6	5322.0
32.5°	5553.3	5579.8	5610.6	5639.3	5632.6	5637.1	5672.3	5696.5	5656.9	5597.4	5610.6
35°	5886.0	5903.6	5943.2	5985.1	5976.3	5969.7	5991.7	6015.9	5960.9	5883.8	5903.6
37.5°	6227.4	6253.8	6313.3	6364.0	6350.8	6319.9	6344.2	6370.6	6317.7	6229.6	6220.8
40°	6608.5	6650.4	6736.3	6778.1	6742.9	6683.4	6725.3	6789.1	6736.3	6634.9	6610.7
42.5°	7055.7	7106.3	7192.3	7256.1	7179.0	7082.1	7152.6	7245.1	7231.9	7097.5	7055.7
45°	7608.6	7641.6	7747.4	7778.2	7663.7	7529.3	7657.1	7798.0	7765.0	7619.6	7564.5
47.5°	8210.0	8260.6	8353.1	8410.4	8225.4	8058.0	8236.4	8425.8	8390.6	8254.0	8190.1
50°	8976.5	9042.6	9163.8	9212.3	8956.7	8765.1	8994.2	9234.3	9166.0	8983.2	8899.5
52.5°	9811.4	9864.3	10071.4	10168.3	9928.2	9721.1	9921.6	10157.3	10011.9	9769.6	9657.2
55°	10547.2	10600.0	10904.0	11225.6	11214.6	11071.4	11172.8	11177.2	10782.9	10382.0	10263.0
57.5°	10705.8	10758.6	11338.0	12179.5	12774.2	12939.4	12642.1	12016.5	11023.0	10320.3	10185.9
60°	9859.9	9919.4	10840.1	12377.7	14333.8	15437.5	14067.3	11998.8	10280.6	9329.0	9201.2
62.5°	7639.4	7703.3	8941.3	11249.9	14963.9	17937.7	14481.4	10736.6	8456.7	7251.7	7139.4
65°	3647.9	3647.9	5220.7	8069.0	13708.2	17878.2	13283.1	7943.4	5090.8	3910.0	3813.1
67.5°	903.2	907.6	1343.7	3141.2	9324.6	14267.8	9476.6	3813.1	1793.1	1268.8	1235.8
70°	563.9	561.7	623.4	850.3	3262.4	8659.3	3874.8	1149.9	729.1	643.2	638.8
72.5°	438.4	438.4	469.2	544.1	854.7	2949.6	1130.1	638.8	528.7	475.8	475.8
75°	345.8	345.8	367.9	407.5	504.4	760.0	601.4	473.6	409.7	374.5	370.1
77.5°	257.7	262.1	279.8	306.2	343.6	427.3	381.1	356.9	319.4	293.0	284.2
80°	167.4	174.0	196.1	211.5	224.7	282.0	248.9	259.9	242.3	211.5	207.1
82.5°	90.3	92.5	119.0	123.4	127.8	154.2	158.6	165.2	171.8	134.4	125.6
85°	33.0	33.0	39.7	46.3	50.7	55.1	74.9	92.5	96.9	77.1	74.9
87.5°	6.6	6.6	6.6	4.4	4.4	4.4	13.2	24.2	39.7	30.8	30.8
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)