

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: P642748

Luminaire Tested: GWS-SA6D-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642748  
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-SA6D-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

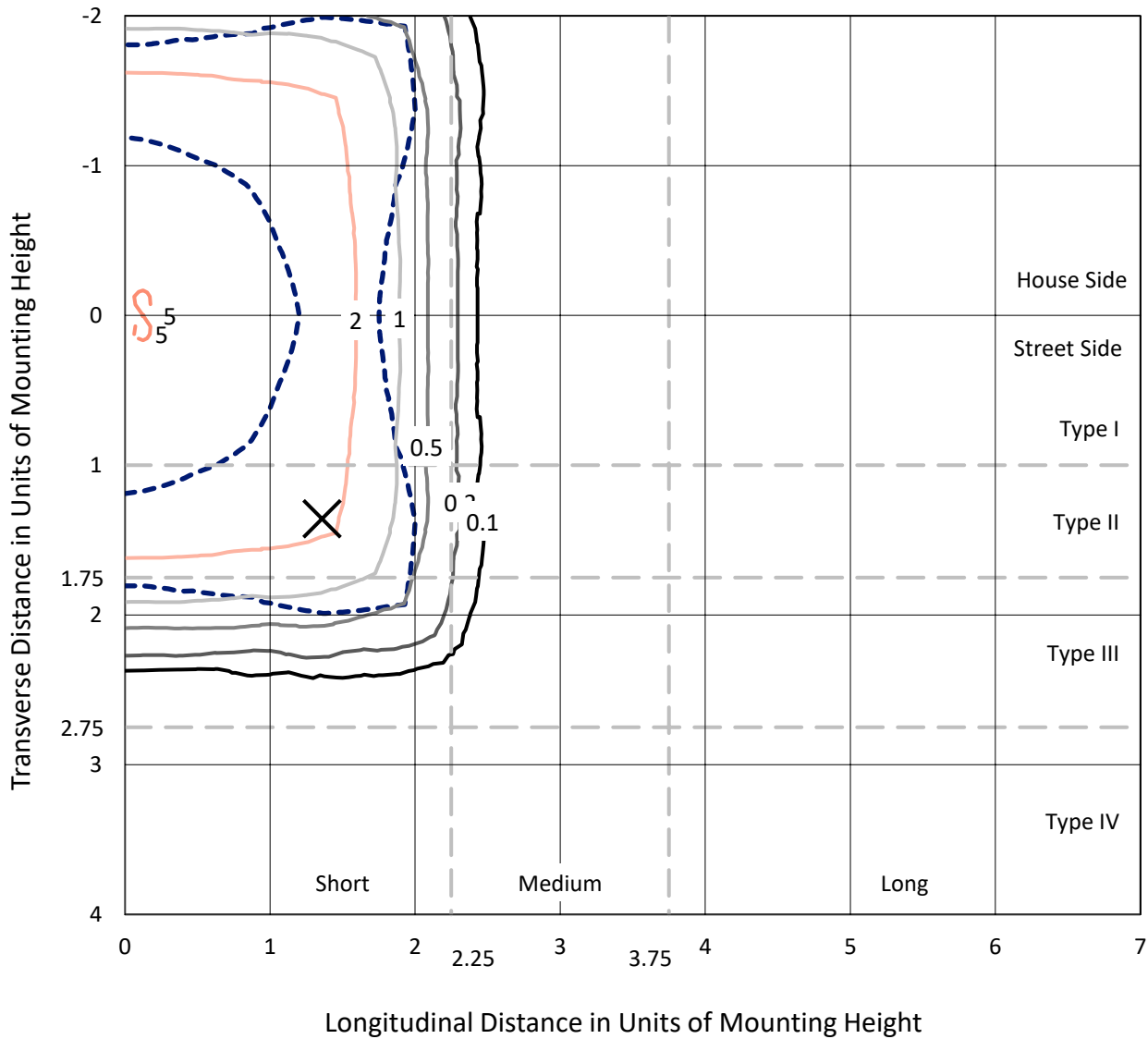
Lumens per Lamp: N/A  
Luminaire Lumens: 38298.7 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

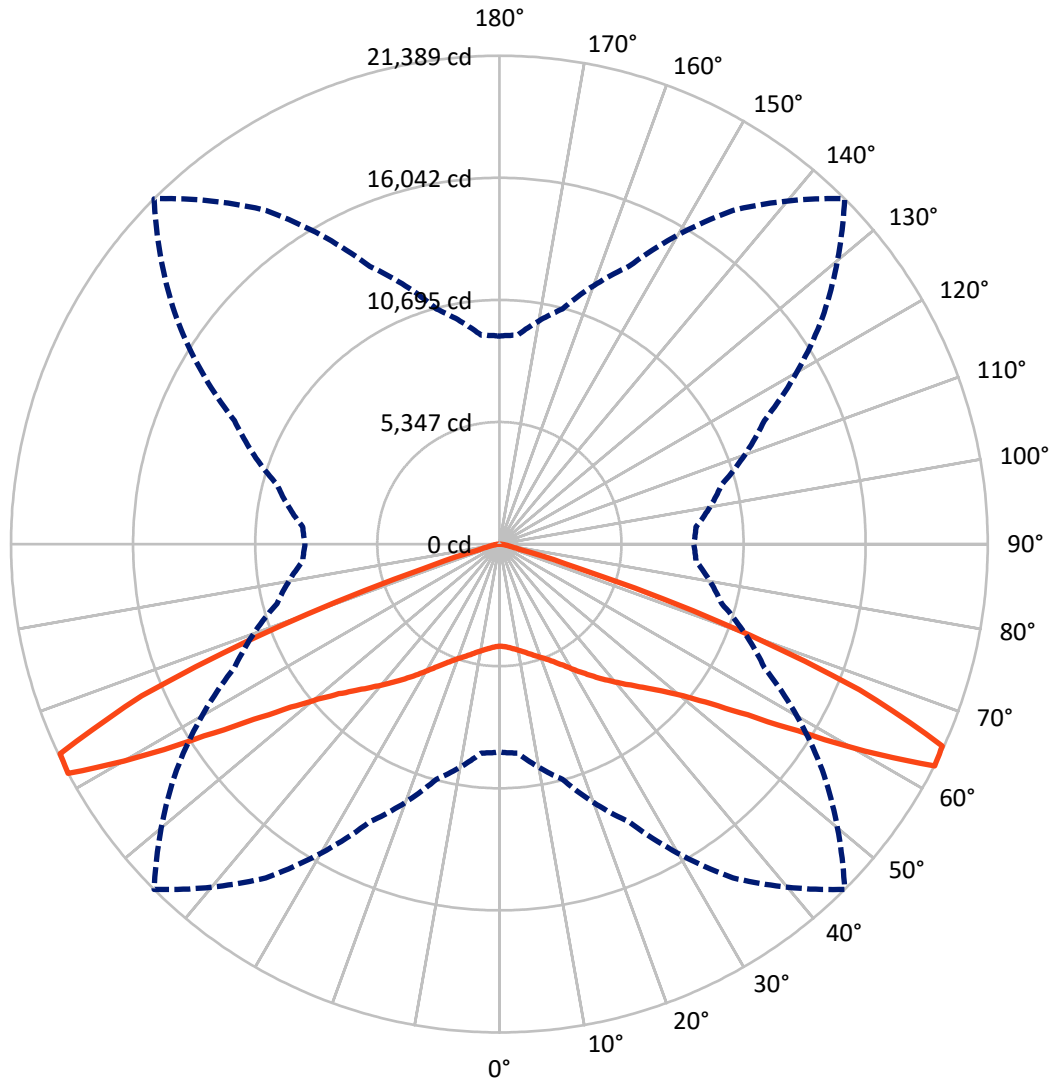
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 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	19149.4	0.0	19149.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19149.4	0.0	19149.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38298.7	0.0	38298.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.4	1.1
10°-20°	1413.7	3.7
20°-30°	2674.5	7.0
30°-40°	4501.7	11.8
40°-50°	7192.3	18.8
50°-60°	11593.6	30.3
60°-70°	9459.1	24.7
70°-80°	918.6	2.4
80°-90°	106.9	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°	38298.7	100.0
0°-180°	38298.7	100.0

**Coefficient of Utilization**



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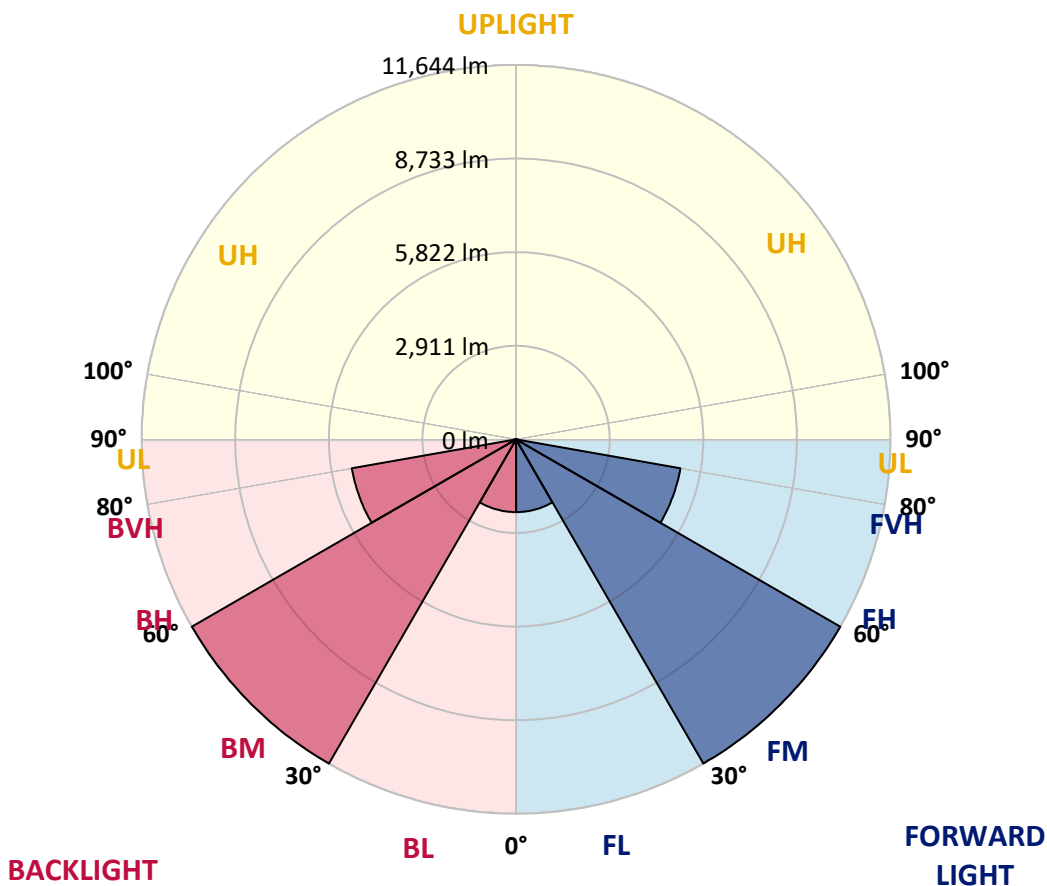
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2263.3	5.9			
FM (30°-60°)	11643.8	30.4			
FH (60°-80°)	5188.8	13.5			G3/7500
FVH (80°-90°)	53.4	0.1			G1/100
BL (0°-30°)	2263.3	5.9	B3/2500		
BM (30°-60°)	11643.8	30.4	B5		
BH (60°-80°)	5188.8	13.5	B5		G3/7500
BVH (80°-90°)	53.4	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1	4468.1
2.5°	4462.8	4462.8	4473.3	4481.2	4475.9	4497.0	4494.3	4489.1	4486.4	4478.6	4502.2
5°	4523.2	4523.2	4531.1	4539.0	4525.8	4552.1	4541.6	4536.4	4533.7	4523.2	4544.2
7.5°	4591.5	4599.4	4602.0	4615.2	4607.3	4636.2	4628.3	4617.8	4612.5	4599.4	4617.8
10°	4667.7	4672.9	4675.6	4699.2	4701.8	4736.0	4728.1	4715.0	4704.5	4691.3	4717.6
12.5°	4770.1	4772.8	4780.6	4809.5	4817.4	4843.7	4841.1	4822.7	4809.5	4791.1	4820.0
15°	4901.5	4904.1	4917.2	4946.1	4959.3	4990.8	4980.3	4951.4	4933.0	4912.0	4935.6
17.5°	5038.1	5048.6	5061.7	5090.6	5109.0	5145.8	5132.6	5101.1	5085.3	5064.3	5080.1
20°	5214.0	5216.7	5224.6	5256.1	5269.2	5311.2	5313.9	5282.3	5274.5	5253.5	5277.1
22.5°	5408.4	5411.1	5418.9	5453.1	5476.7	5503.0	5518.7	5500.4	5487.2	5461.0	5489.9
25°	5623.8	5650.1	5658.0	5700.0	5726.3	5742.0	5760.4	5752.5	5734.1	5702.6	5715.8
27.5°	5925.9	5931.1	5944.3	5991.6	6007.3	6023.1	6041.5	6044.1	6017.8	5981.1	5999.4
30°	6270.0	6267.4	6296.3	6333.0	6346.2	6359.3	6385.6	6401.3	6367.2	6327.8	6346.2
32.5°	6622.0	6653.5	6690.3	6724.4	6716.5	6721.8	6763.8	6792.7	6745.4	6674.5	6690.3
35°	7018.6	7039.6	7086.9	7136.8	7126.3	7118.4	7144.7	7173.6	7107.9	7016.0	7039.6
37.5°	7425.8	7457.3	7528.2	7588.6	7572.8	7536.1	7565.0	7596.5	7533.4	7428.4	7417.9
40°	7880.2	7930.1	8032.5	8082.4	8040.4	7969.5	8019.4	8095.6	8032.5	7911.7	7882.8
42.5°	8413.4	8473.8	8576.3	8652.4	8560.5	8444.9	8529.0	8639.3	8623.5	8463.3	8413.4
45°	9072.7	9112.1	9238.2	9275.0	9138.4	8978.1	9130.5	9298.6	9259.2	9085.8	9020.2
47.5°	9789.8	9850.2	9960.5	10028.8	9808.2	9608.6	9821.3	10047.2	10005.2	9842.3	9766.2
50°	10703.9	10782.7	10927.2	10985.0	10680.3	10451.7	10724.9	11011.2	10929.8	10711.8	10612.0
52.5°	11699.4	11762.5	12009.4	12125.0	11838.7	11591.7	11830.8	12111.8	11938.5	11649.5	11515.6
55°	12576.8	12639.8	13002.3	13385.8	13372.7	13201.9	13322.8	13328.0	12857.8	12379.8	12237.9
57.5°	12765.9	12828.9	13519.8	14523.2	15232.4	15429.4	15074.8	14328.8	13144.1	12306.2	12146.0
60°	11757.2	11828.1	12926.1	14759.6	17092.1	18408.1	16774.3	14307.8	12258.9	11124.2	10971.8
62.5°	9109.5	9185.7	10661.9	13414.7	17843.3	21389.4	17268.1	12802.7	10084.0	8647.2	8513.2
65°	4349.9	4349.9	6225.3	9621.7	16346.1	21318.5	15839.2	9472.0	6070.4	4662.4	4546.9
67.5°	1077.0	1082.2	1602.3	3745.7	11118.9	17013.3	11300.2	4546.9	2138.2	1513.0	1473.6
70°	672.4	669.8	743.4	1013.9	3890.2	10325.7	4620.4	1371.2	869.4	767.0	761.8
72.5°	522.7	522.7	559.5	648.8	1019.2	3517.2	1347.5	761.8	630.4	567.4	567.4
75°	412.4	412.4	438.7	485.9	601.5	906.2	717.1	564.7	488.6	446.5	441.3
77.5°	307.3	312.6	333.6	365.1	409.8	509.6	454.4	425.5	380.9	349.4	338.8
80°	199.6	207.5	233.8	252.2	267.9	336.2	296.8	310.0	288.9	252.2	246.9
82.5°	107.7	110.3	141.8	147.1	152.4	183.9	189.1	197.0	204.9	160.2	149.7
85°	39.4	39.4	47.3	55.2	60.4	65.7	89.3	110.3	115.6	91.9	89.3
87.5°	7.9	7.9	7.9	5.3	5.3	5.3	15.8	28.9	47.3	36.8	36.8
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)