

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: P642746

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

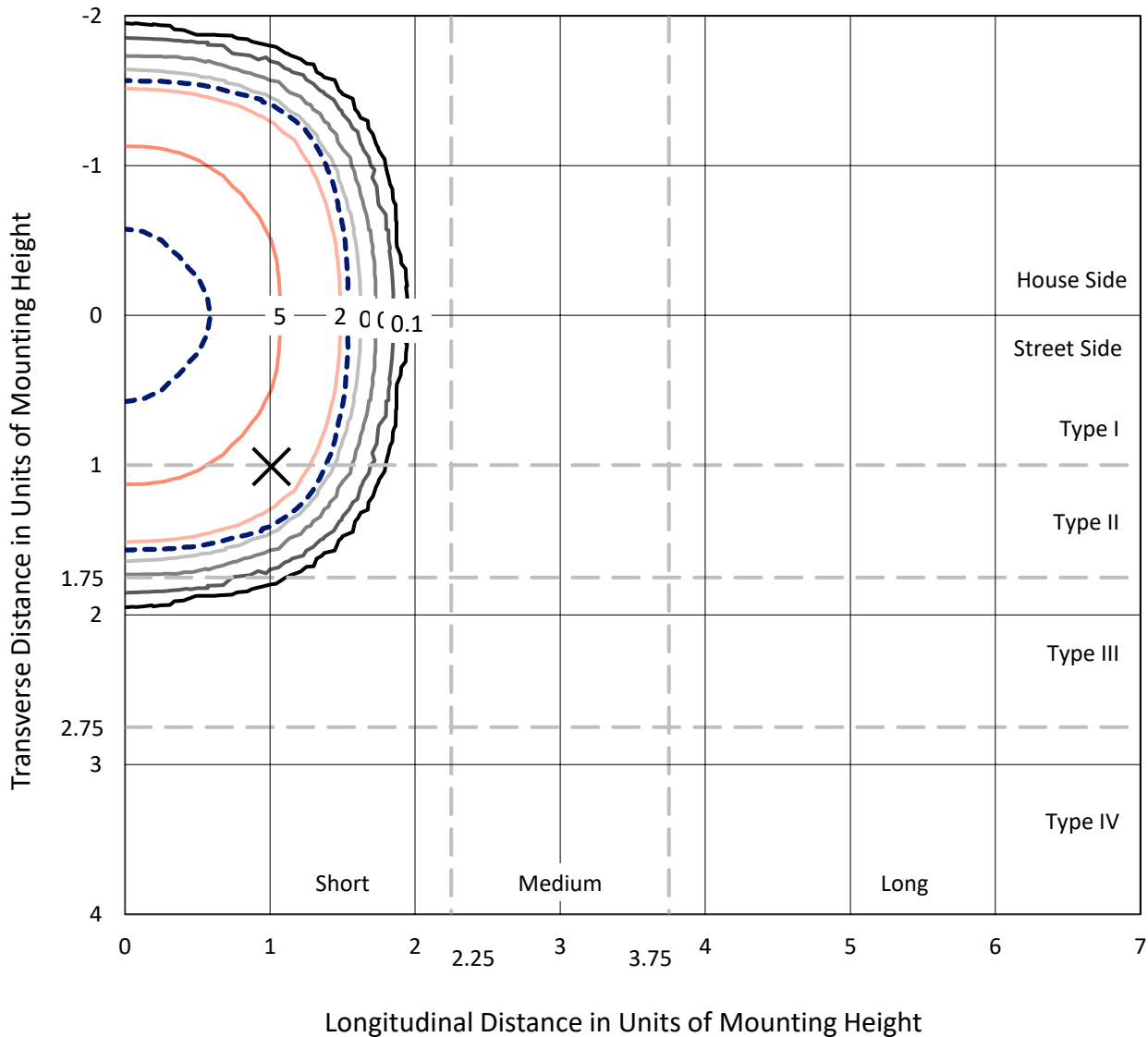
Lumens per Lamp: N/A  
Luminaire Lumens: 25784.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

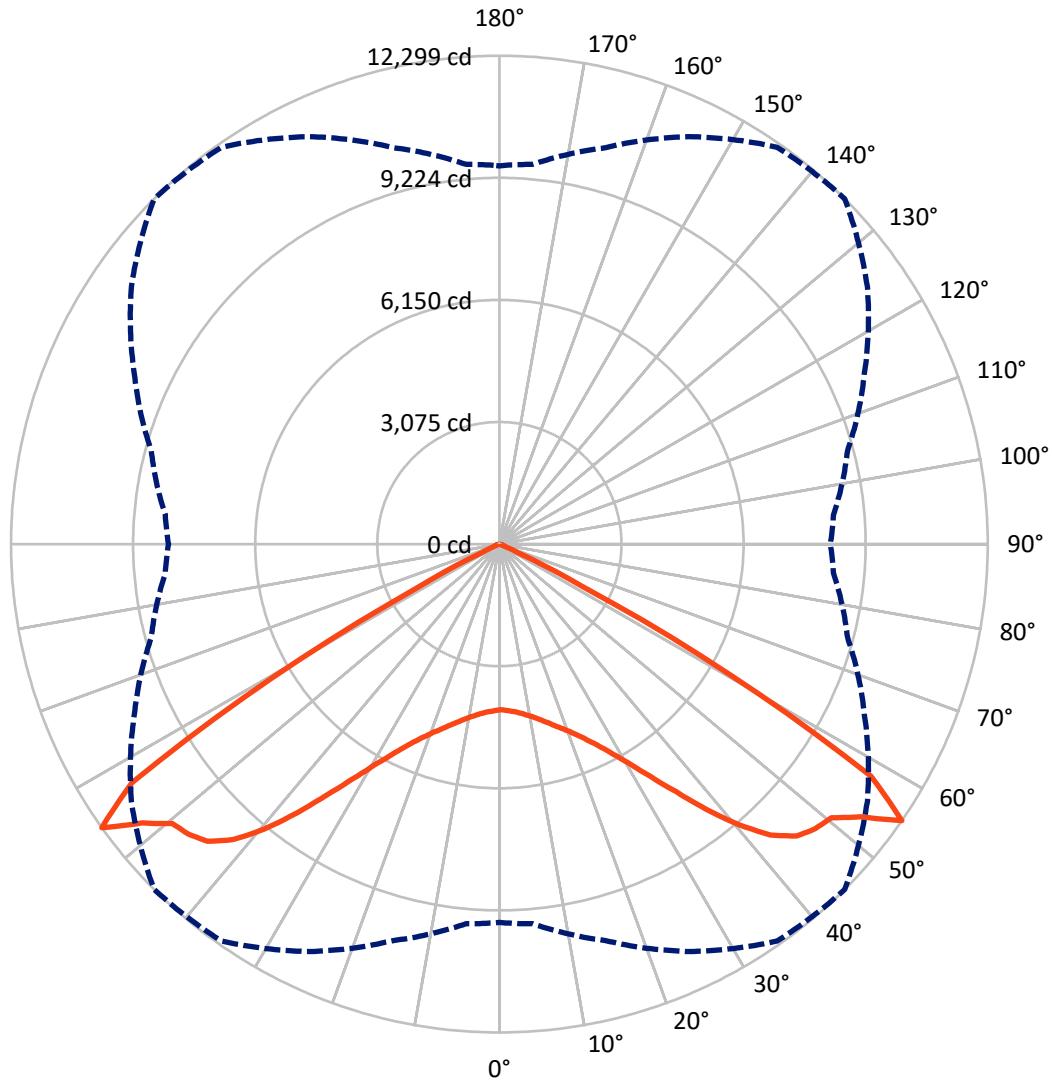
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12892.3	0.0	12892.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12892.3	0.0	12892.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25784.7	0.0	25784.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.5	1.6
10°-20°	1324.0	5.1
20°-30°	2564.2	9.9
30°-40°	4593.9	17.8
40°-50°	7701.9	29.9
50°-60°	8244.5	32.0
60°-70°	906.0	3.5
70°-80°	39.9	0.2
80°-90°	1.8	0.0
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°	25784.7	100.0
0°-180°	25784.7	100.0

**Coefficient of Utilization**



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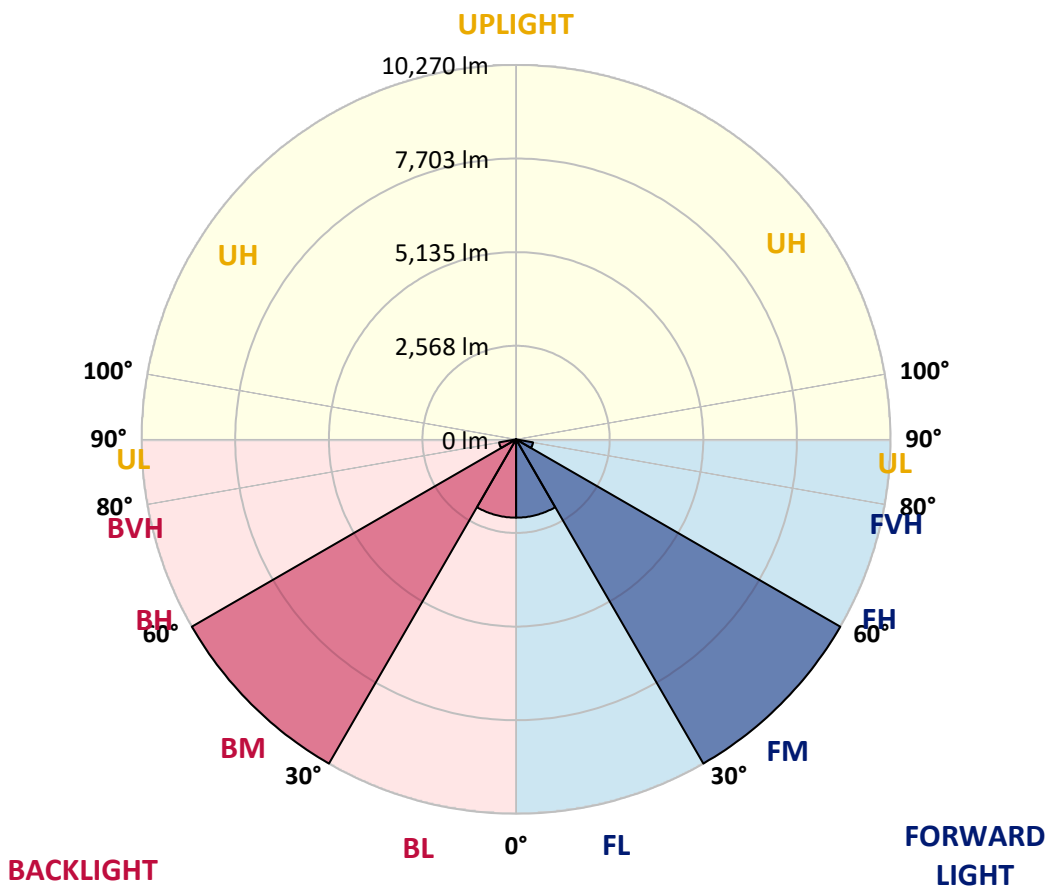
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2148.3	8.3			
FM (30°-60°)	10270.2	39.8			
FH (60°-80°)	472.9	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2148.3	8.3	B3/2500		
BM (30°-60°)	10270.2	39.8	B5		
BH (60°-80°)	472.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9	4168.9
2.5°	4161.0	4161.0	4171.5	4179.4	4179.4	4200.4	4192.5	4184.7	4184.7	4174.1	4195.2
5°	4221.4	4218.8	4229.3	4234.6	4224.1	4245.1	4231.9	4224.1	4218.8	4208.3	4229.3
7.5°	4287.1	4289.7	4292.4	4302.9	4297.6	4318.6	4308.1	4292.4	4287.1	4271.3	4292.4
10°	4365.9	4365.9	4371.2	4384.3	4386.9	4413.2	4402.7	4384.3	4368.5	4352.8	4373.8
12.5°	4465.7	4468.4	4476.2	4494.6	4505.1	4534.0	4518.3	4481.5	4457.8	4439.5	4463.1
15°	4610.2	4607.6	4618.1	4644.4	4657.5	4678.5	4654.9	4605.0	4576.1	4555.0	4570.8
17.5°	4767.8	4767.8	4773.1	4799.3	4817.7	4849.3	4820.4	4759.9	4733.7	4704.8	4720.5
20°	4941.2	4949.1	4954.3	4972.7	5004.2	5035.8	5012.1	4951.7	4922.8	4886.0	4904.4
22.5°	5169.7	5161.9	5164.5	5196.0	5240.7	5272.2	5253.8	5182.9	5133.0	5104.1	5114.6
25°	5424.5	5421.9	5429.8	5477.1	5527.0	5561.1	5534.9	5442.9	5393.0	5343.1	5364.1
27.5°	5737.1	5739.8	5745.0	5802.8	5881.6	5931.5	5865.9	5773.9	5705.6	5640.0	5655.7
30°	6107.5	6102.3	6118.0	6196.9	6312.4	6391.2	6315.1	6186.3	6089.2	6026.1	6034.0
32.5°	6501.6	6506.8	6548.9	6675.0	6827.3	6966.5	6811.5	6640.8	6514.7	6396.5	6412.3
35°	6927.1	6940.3	7034.8	7221.3	7470.9	7657.4	7442.0	7160.9	6982.3	6829.9	6835.2
37.5°	7428.9	7460.4	7591.7	7870.2	8227.4	8477.0	8161.8	7788.8	7557.6	7368.5	7355.3
40°	8088.2	8125.0	8303.6	8634.6	9068.1	9296.6	8931.5	8547.9	8261.6	8056.7	8025.2
42.5°	8844.8	8892.1	9086.4	9425.3	9858.8	10013.7	9656.5	9333.4	9075.9	8834.3	8823.8
45°	9698.5	9724.8	9882.4	10142.5	10455.1	10491.8	10223.9	10045.3	9785.2	9559.3	9540.9
47.5°	10499.7	10526.0	10633.7	10767.7	10841.2	10709.9	10662.6	10583.8	10247.5	9969.1	9911.3
50°	11109.2	11130.2	11264.1	11316.7	11111.8	10833.3	10925.3	10757.2	10392.0	10079.4	9990.1
52.5°	11067.1	11119.7	11463.8	11763.3	11634.5	11408.6	11161.7	10799.2	10231.8	9803.6	9693.3
55°	9527.8	9598.7	10336.8	11321.9	12201.9	12299.1	11311.4	10142.5	9075.9	8448.1	8335.2
57.5°	6123.3	6141.7	7042.7	8424.5	10407.8	11033.0	9380.7	7646.9	6320.3	5629.4	5582.2
60°	2251.3	2214.5	2894.8	4040.2	5994.6	6656.6	5521.7	3866.8	2758.2	2269.6	2230.2
62.5°	541.1	546.4	677.7	1016.6	1880.9	2327.4	1838.8	1027.1	654.1	549.0	543.8
65°	273.2	267.9	270.6	291.6	401.9	480.7	394.0	278.5	267.9	270.6	267.9
67.5°	176.0	173.4	178.6	181.3	178.6	168.1	165.5	170.7	170.7	173.4	168.1
70°	107.7	105.1	110.3	118.2	113.0	99.8	105.1	110.3	105.1	102.4	102.4
72.5°	57.8	57.8	63.0	68.3	63.0	57.8	57.8	60.4	57.8	57.8	57.8
75°	26.3	26.3	28.9	31.5	26.3	26.3	26.3	26.3	26.3	26.3	26.3
77.5°	7.9	7.9	10.5	10.5	7.9	7.9	7.9	7.9	10.5	10.5	10.5
80°	2.6	5.3	5.3	2.6	2.6	2.6	2.6	2.6	5.3	5.3	5.3
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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)