

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: P642750

Luminaire Tested: GWS-SA6D-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

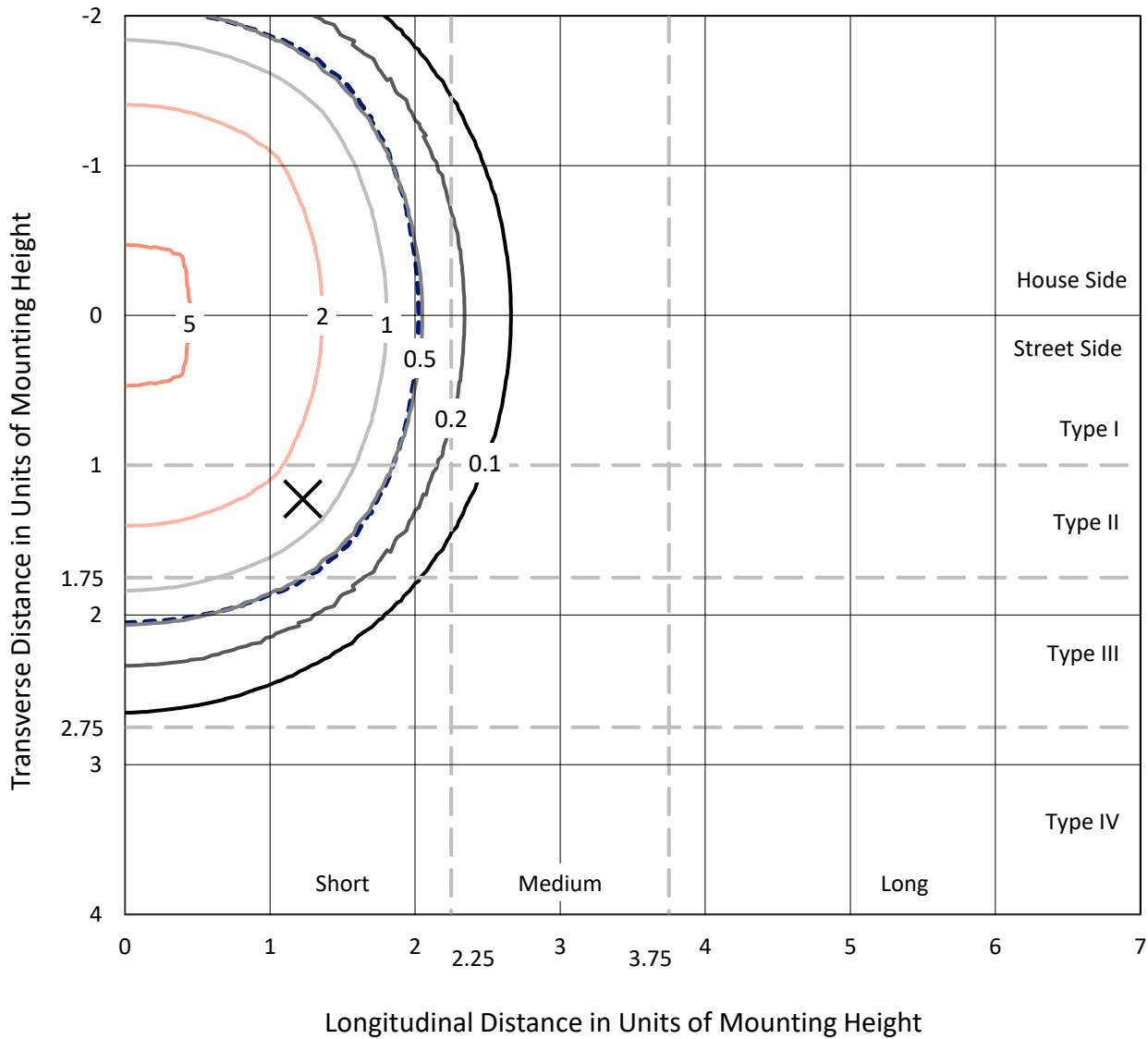
Lumens per Lamp: N/A  
Luminaire Lumens: 30946.3 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

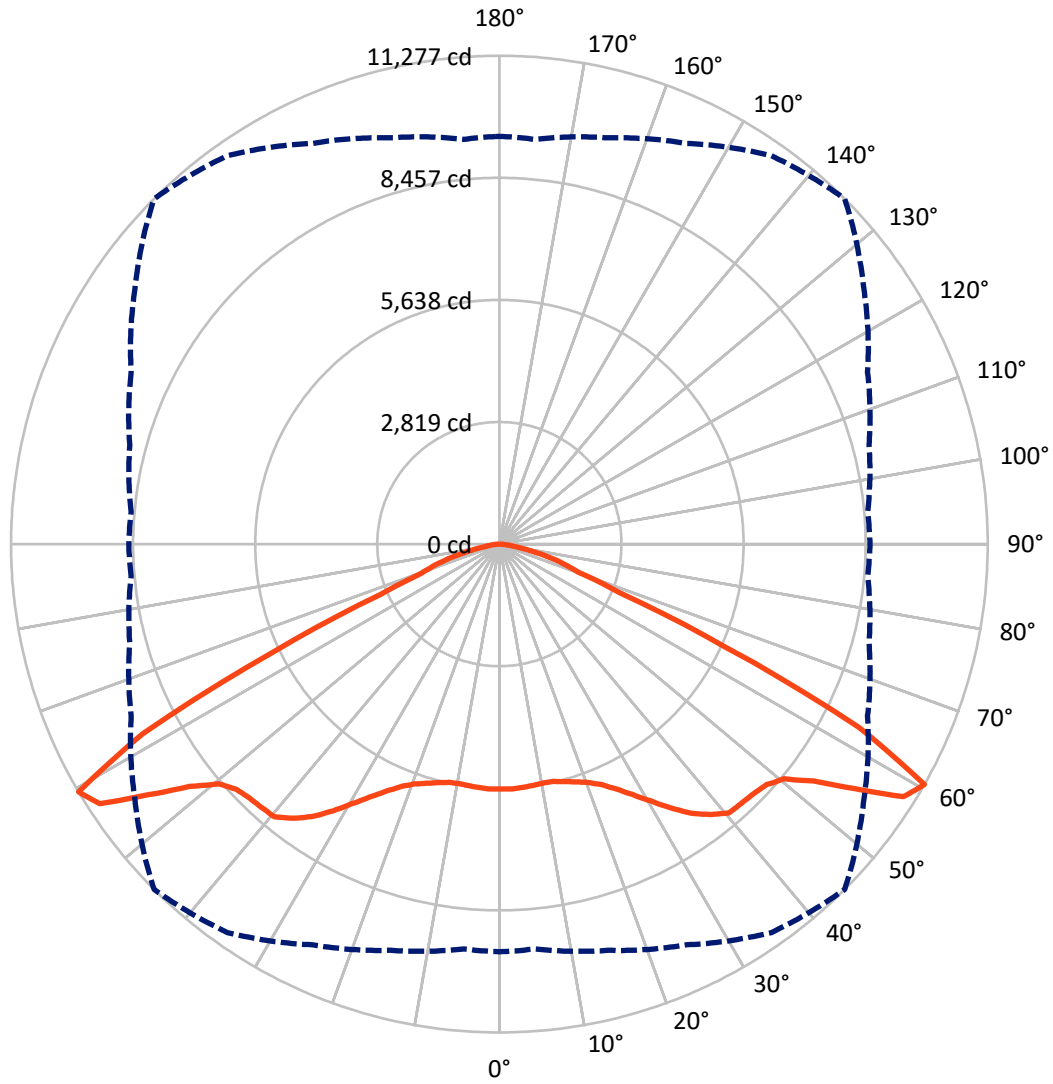
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15473.1	0.0	15473.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15473.1	0.0	15473.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30946.3	0.0	30946.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	536.3	1.7
10°-20°	1613.2	5.2
20°-30°	2854.0	9.2
30°-40°	4595.1	14.8
40°-50°	6315.8	20.4
50°-60°	8416.5	27.2
60°-70°	5245.5	17.0
70°-80°	1206.2	3.9
80°-90°	163.6	0.5
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°	30946.3	100.0
0°-180°	30946.3	100.0

**Coefficient of Utilization**



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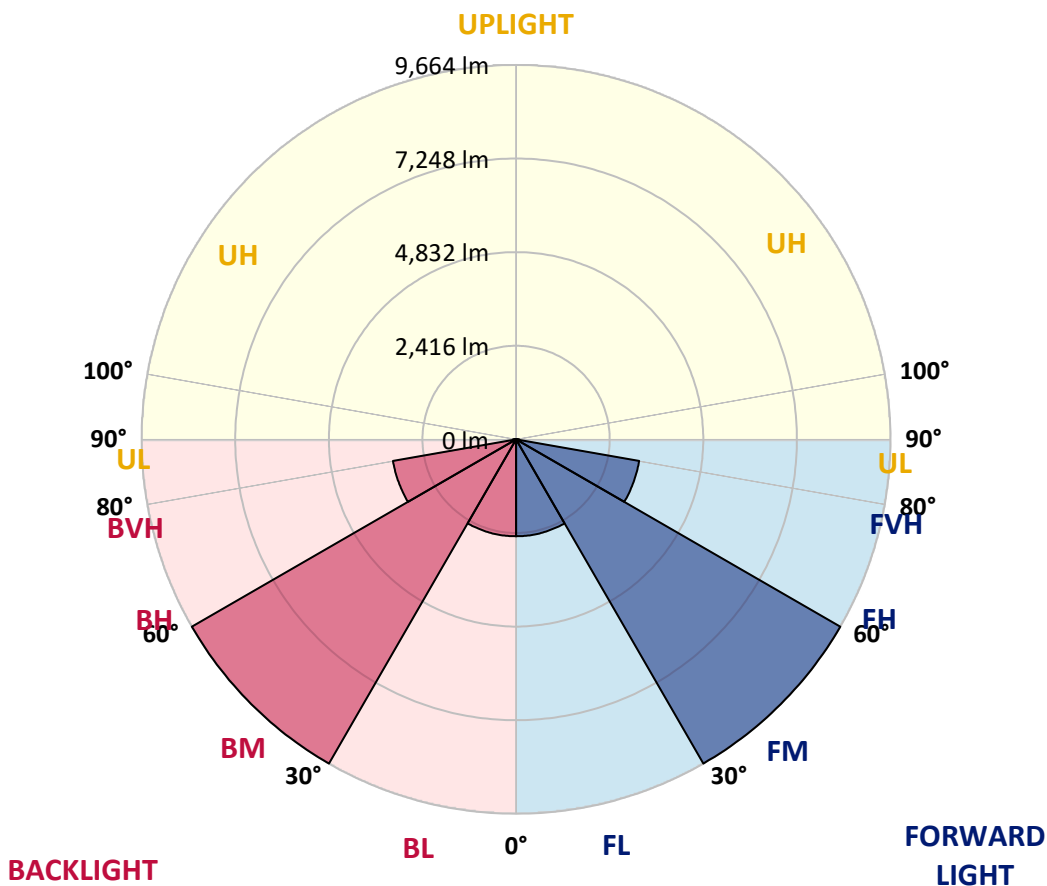
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2501.8	8.1			
FM (30°-60°)	9663.7	31.2			
FH (60°-80°)	3225.9	10.4			G2/5000
FVH (80°-90°)	81.8	0.3			G1/100
BL (0°-30°)	2501.8	8.1	B4/5000		
BM (30°-60°)	9663.7	31.2	B5		
BH (60°-80°)	3225.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	81.8	0.3			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°	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4	5655.4
2.5°	5616.0	5621.2	5631.8	5639.6	5650.1	5660.6	5665.9	5655.4	5650.1	5629.1	5652.8
5°	5621.2	5626.5	5634.4	5634.4	5637.0	5644.9	5644.9	5631.8	5618.6	5595.0	5621.2
7.5°	5613.4	5618.6	5621.2	5618.6	5621.2	5623.9	5618.6	5602.9	5589.7	5568.7	5589.7
10°	5600.2	5605.5	5610.7	5605.5	5600.2	5608.1	5608.1	5597.6	5589.7	5568.7	5592.4
12.5°	5629.1	5637.0	5639.6	5626.5	5621.2	5623.9	5623.9	5613.4	5613.4	5595.0	5621.2
15°	5697.4	5702.7	5694.8	5679.0	5681.7	5689.5	5671.2	5644.9	5639.6	5631.8	5652.8
17.5°	5750.0	5755.2	5747.3	5736.8	5755.2	5773.6	5739.4	5689.5	5673.8	5668.5	5692.2
20°	5807.7	5815.6	5805.1	5818.3	5855.0	5876.0	5834.0	5765.7	5734.2	5726.3	5755.2
22.5°	5902.3	5912.8	5912.8	5941.7	5996.9	6031.0	5978.5	5886.5	5839.3	5826.1	5855.0
25°	6052.0	6059.9	6067.8	6125.6	6214.9	6262.2	6178.1	6052.0	5986.4	5965.3	5981.1
27.5°	6259.5	6272.7	6285.8	6369.9	6480.2	6548.5	6427.7	6270.1	6188.6	6146.6	6178.1
30°	6506.5	6524.8	6556.4	6650.9	6805.9	6882.1	6727.1	6535.4	6443.4	6398.8	6440.8
32.5°	6842.7	6845.3	6869.0	6974.0	7178.9	7265.6	7071.2	6858.4	6763.9	6711.3	6735.0
35°	7241.9	7244.6	7207.8	7315.5	7536.1	7633.3	7404.8	7189.4	7110.6	7094.9	7155.3
37.5°	7651.7	7628.1	7591.3	7638.6	7861.9	7924.9	7683.2	7499.4	7465.2	7494.1	7583.4
40°	7943.3	7903.9	7830.3	7864.5	8090.4	8163.9	7906.5	7733.2	7722.6	7793.6	7901.3
42.5°	8132.4	8090.4	8003.7	8003.7	8158.7	8190.2	7990.6	7898.6	7922.3	8003.7	8106.1
45°	8224.4	8200.7	8150.8	8124.5	8211.2	8224.4	8072.0	8035.2	8079.9	8119.3	8198.1
47.5°	8295.3	8295.3	8279.5	8253.2	8292.6	8300.5	8187.6	8177.1	8234.9	8234.9	8287.4
50°	8421.4	8434.5	8455.5	8450.3	8492.3	8518.5	8434.5	8418.7	8442.4	8366.2	8392.5
52.5°	8752.3	8786.5	8846.9	8894.2	9001.9	9083.3	8933.6	8807.5	8684.0	8515.9	8521.2
55°	9346.0	9361.7	9479.9	9619.2	9800.4	9965.9	9658.6	9267.2	8999.2	8802.2	8804.9
57.5°	9847.7	9871.3	10044.7	10336.3	10743.4	11000.8	10320.5	9666.4	9288.2	9046.5	9054.4
60°	9414.3	9382.7	9711.1	10210.2	10948.3	11276.6	10273.2	9380.1	8836.4	8536.9	8558.0
62.5°	7284.0	7223.6	7588.7	8111.4	8996.6	9325.0	8400.3	7544.0	7029.2	6795.4	6761.3
65°	4434.0	4378.8	4641.5	4961.9	5560.8	5768.3	5345.4	4891.0	4441.8	4300.0	4260.6
67.5°	2414.0	2406.1	2477.0	2634.6	2897.3	2994.5	2913.1	2697.7	2582.1	2482.3	2482.3
70°	1914.9	1899.1	1886.0	1888.6	1912.3	1925.4	1928.0	1917.5	1930.7	1933.3	1922.8
72.5°	1586.6	1581.3	1555.0	1557.7	1547.2	1541.9	1560.3	1570.8	1591.8	1594.4	1594.4
75°	1150.5	1137.4	1150.5	1153.1	1142.6	1142.6	1155.8	1153.1	1163.7	1168.9	1140.0
77.5°	654.1	654.1	672.4	693.5	709.2	709.2	722.4	722.4	735.5	732.9	727.6
80°	359.9	359.9	370.4	383.5	399.3	415.0	428.2	430.8	438.7	436.0	428.2
82.5°	204.9	207.5	212.8	220.6	236.4	249.5	262.7	265.3	273.2	273.2	265.3
85°	97.2	94.6	97.2	102.4	110.3	120.8	134.0	141.8	147.1	147.1	141.8
87.5°	18.4	21.0	18.4	21.0	23.6	31.5	36.8	42.0	49.9	52.5	47.3
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)