

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: P642579

Luminaire Tested: GWS-SA6D-730-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-730-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

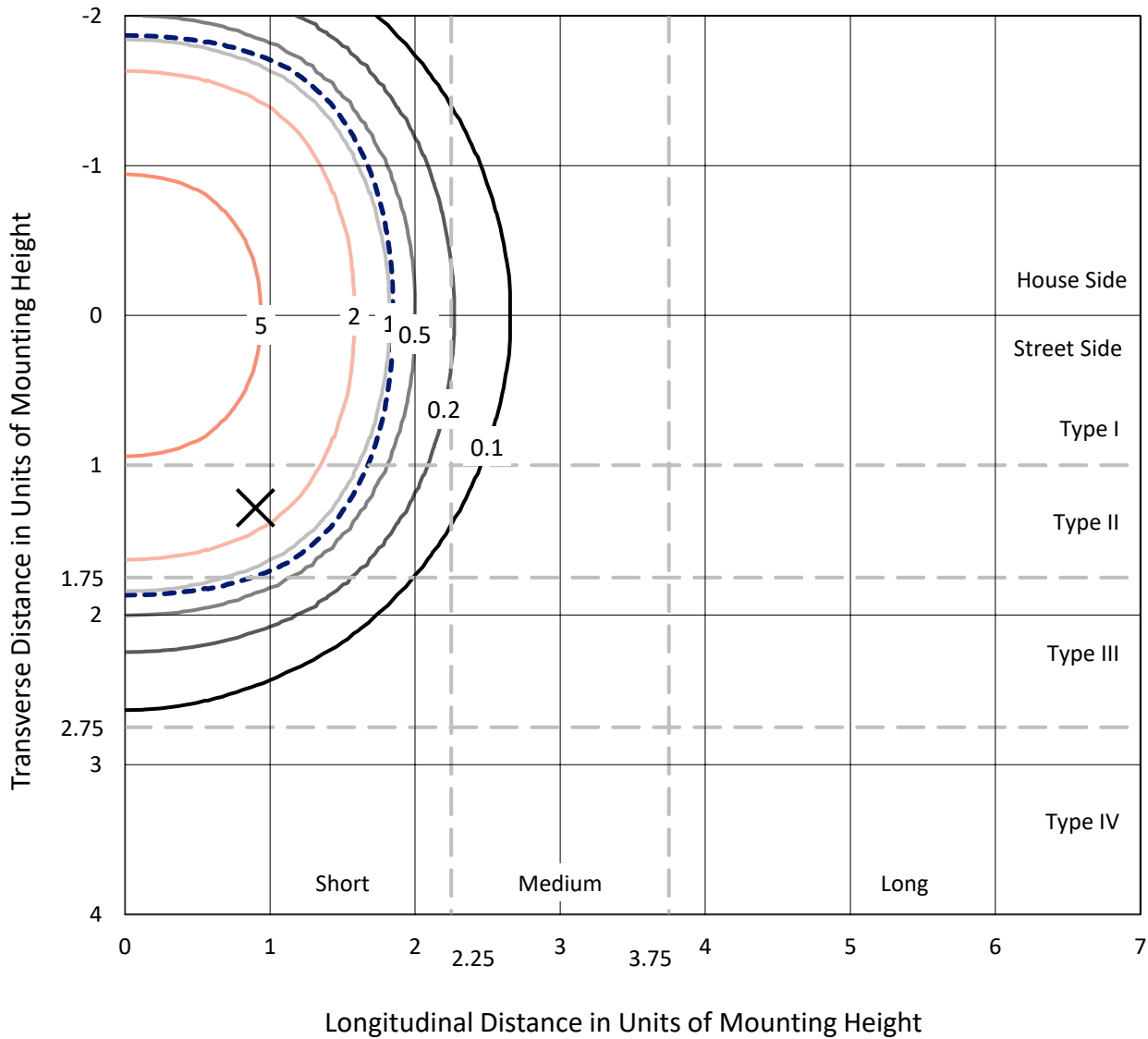
Lumens per Lamp: N/A  
Luminaire Lumens: 28561.4 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

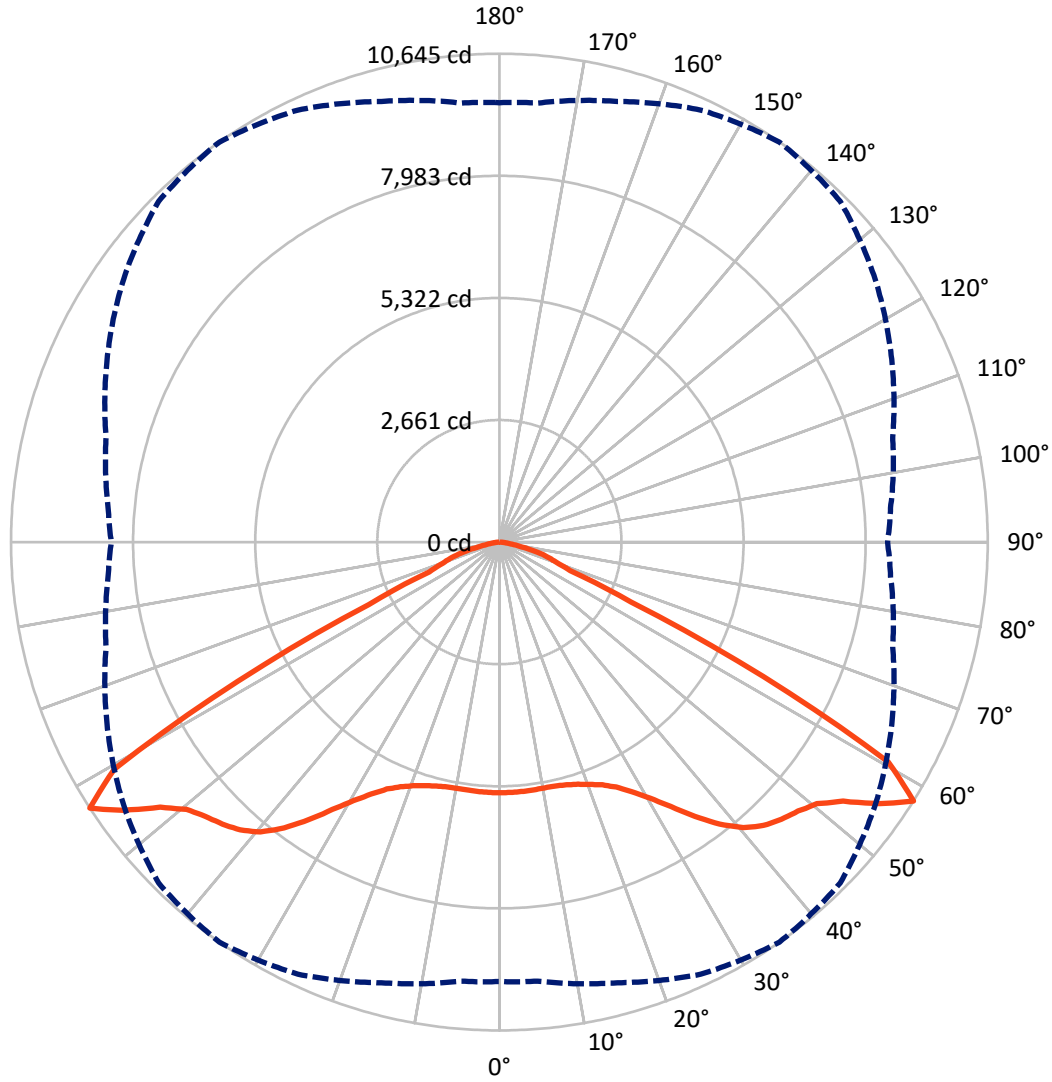
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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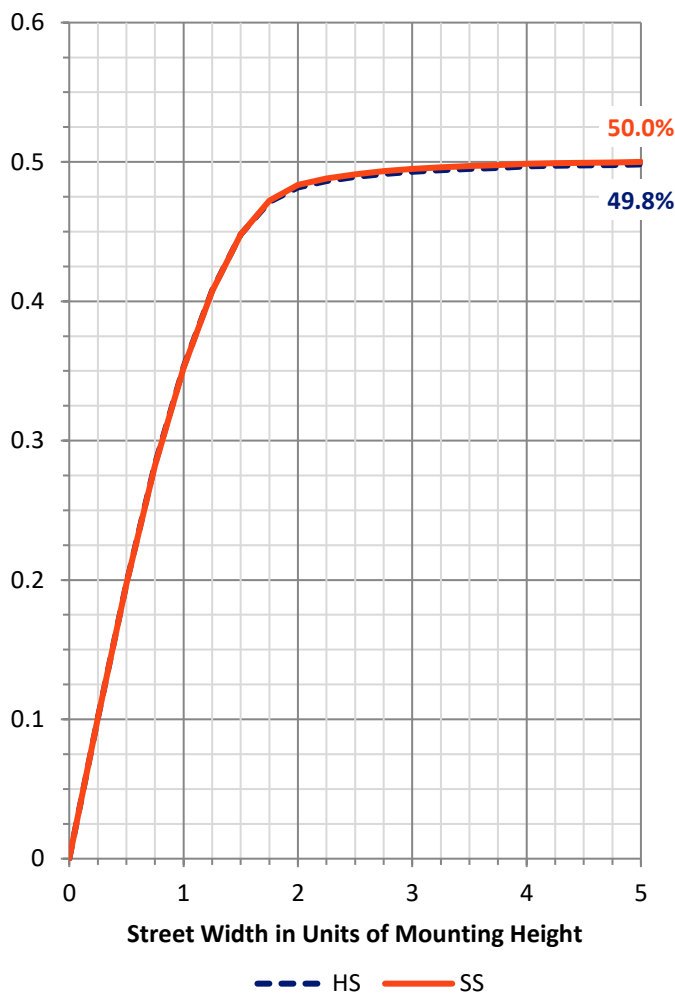
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14280.7	0.0	14280.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14280.7	0.0	14280.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28561.4	0.0	28561.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.9	1.8
10°-20°	1551.1	5.4
20°-30°	2706.4	9.5
30°-40°	4437.9	15.5
40°-50°	6535.9	22.9
50°-60°	8341.0	29.2
60°-70°	3515.3	12.3
70°-80°	839.7	2.9
80°-90°	114.3	0.4
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°	28561.4	100.0
0°-180°	28561.4	100.0

**Coefficient of Utilization**



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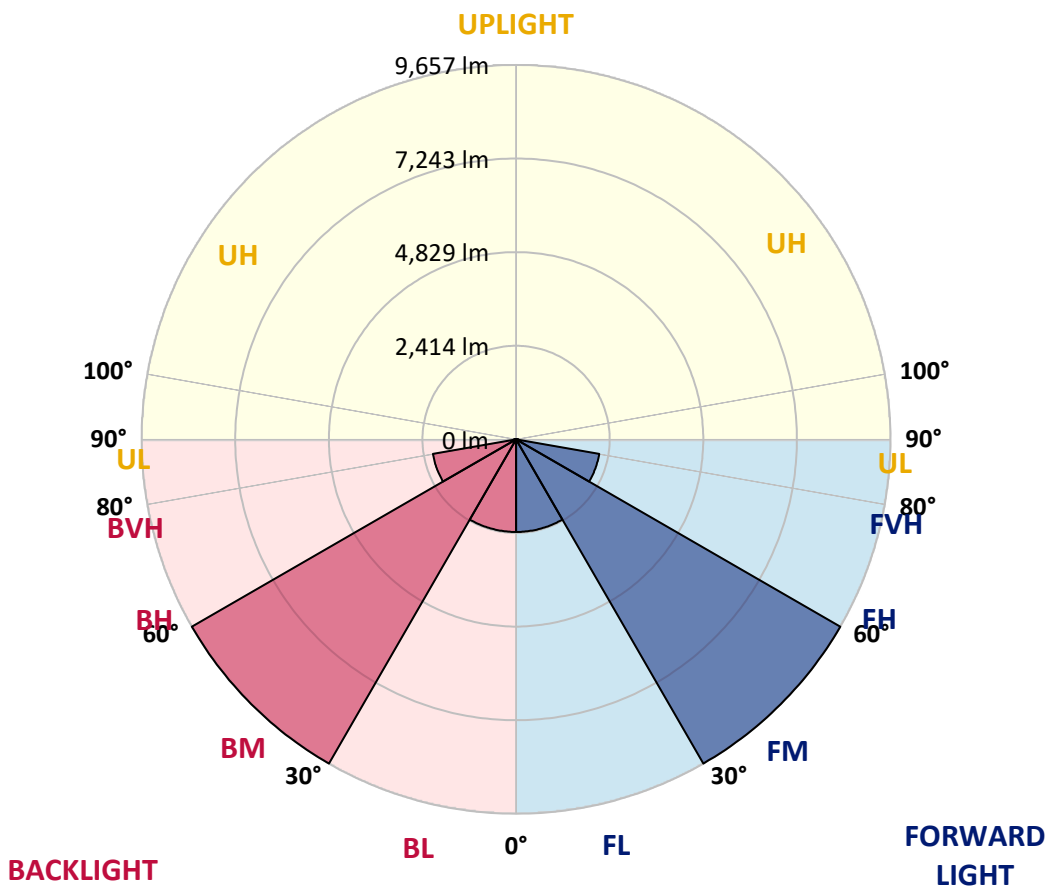
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2388.7	8.4			
FM (30°-60°)	9657.4	33.8			
FH (60°-80°)	2177.5	7.6			G2/5000
FVH (80°-90°)	57.1	0.2			G1/100
BL (0°-30°)	2388.7	8.4	B3/2500		
BM (30°-60°)	9657.4	33.8	B5		
BH (60°-80°)	2177.5	7.6	B3/2500		G2/5000
BVH (80°-90°)	57.1	0.2			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°	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9	5464.9
2.5°	5432.2	5432.2	5443.9	5455.5	5460.2	5481.3	5478.9	5471.9	5467.2	5453.2	5471.9
5°	5443.9	5443.9	5453.2	5460.2	5457.9	5474.3	5467.2	5455.5	5448.5	5434.5	5455.5
7.5°	5441.5	5441.5	5448.5	5455.5	5450.9	5464.9	5453.2	5436.8	5425.1	5411.1	5429.8
10°	5411.1	5415.8	5422.8	5439.2	5446.2	5467.2	5450.9	5425.1	5406.4	5390.1	5408.8
12.5°	5406.4	5411.1	5420.5	5441.5	5453.2	5483.6	5462.6	5420.5	5392.4	5371.4	5390.1
15°	5427.5	5432.2	5446.2	5471.9	5490.6	5523.4	5493.0	5434.5	5394.7	5366.7	5383.1
17.5°	5453.2	5460.2	5481.3	5518.7	5549.1	5584.2	5546.7	5476.6	5420.5	5383.1	5397.1
20°	5481.3	5490.6	5523.4	5579.5	5635.6	5680.0	5633.3	5539.7	5471.9	5422.8	5436.8
22.5°	5530.4	5542.1	5584.2	5663.7	5747.8	5813.3	5754.9	5628.6	5539.7	5476.6	5488.3
25°	5630.9	5645.0	5698.7	5794.6	5913.9	5993.4	5911.5	5768.9	5645.0	5567.8	5579.5
27.5°	5808.6	5815.7	5885.8	6012.1	6159.4	6250.6	6152.4	5984.0	5846.1	5757.2	5766.6
30°	6042.5	6063.5	6133.7	6299.7	6475.1	6596.7	6468.1	6269.3	6110.3	6002.7	6012.1
32.5°	6327.8	6341.8	6447.0	6620.1	6872.6	7012.9	6837.6	6601.4	6409.6	6278.7	6288.0
35°	6701.9	6713.6	6814.2	7034.0	7340.3	7471.3	7270.2	6998.9	6776.8	6652.8	6687.9
37.5°	7148.6	7169.6	7242.1	7459.6	7801.0	7929.6	7698.1	7445.5	7214.0	7099.5	7125.2
40°	7627.9	7625.6	7684.1	7875.8	8186.8	8266.3	8058.2	7857.1	7658.3	7583.5	7625.6
42.5°	8039.5	8027.8	8069.9	8228.9	8444.0	8451.1	8313.1	8200.9	8060.5	8009.1	8048.9
45°	8327.1	8331.8	8394.9	8504.8	8614.8	8556.3	8514.2	8495.5	8385.6	8315.4	8322.5
47.5°	8554.0	8572.7	8673.2	8748.0	8762.1	8663.9	8722.3	8750.4	8659.2	8551.6	8521.2
50°	8755.1	8785.5	8916.4	8995.9	8965.5	8841.6	8956.2	8998.3	8797.2	8591.4	8530.6
52.5°	9119.9	9154.9	9313.9	9416.8	9381.8	9257.8	9365.4	9215.7	8876.7	8624.1	8546.9
55°	9702.1	9718.5	9912.6	10080.9	10064.6	9912.6	9826.1	9494.0	9082.4	8820.5	8748.0
57.5°	9578.2	9606.2	9943.0	10392.0	10644.5	10506.5	9999.1	9433.2	8874.3	8558.6	8460.4
60°	7536.7	7604.6	8023.1	8813.5	9739.5	9737.2	8794.8	7915.6	7242.1	6823.5	6781.4
62.5°	4400.9	4447.7	4828.8	5628.6	6458.7	6510.2	5848.4	5245.1	4655.8	4372.9	4237.2
65°	2083.5	2081.2	2233.2	2593.3	3154.5	3199.0	3000.2	2670.5	2322.1	2226.2	2200.5
67.5°	1538.7	1538.7	1527.0	1552.7	1660.3	1683.7	1660.3	1606.5	1573.8	1594.8	1580.8
70°	1335.2	1337.6	1323.5	1316.5	1316.5	1309.5	1318.9	1339.9	1353.9	1382.0	1368.0
72.5°	1082.7	1085.0	1085.0	1087.4	1089.7	1080.4	1094.4	1106.1	1108.4	1117.8	1108.4
75°	769.3	774.0	788.0	799.7	809.1	809.1	813.8	816.1	806.8	818.4	799.7
77.5°	423.3	427.9	453.7	474.7	495.7	498.1	505.1	509.8	505.1	514.5	500.4
80°	233.8	238.5	250.2	259.6	275.9	290.0	299.3	304.0	304.0	311.0	304.0
82.5°	133.3	138.0	145.0	149.7	163.7	175.4	184.7	191.8	191.8	194.1	189.4
85°	63.1	63.1	67.8	72.5	79.5	84.2	95.9	102.9	102.9	107.6	102.9
87.5°	9.4	11.7	14.0	14.0	18.7	23.4	28.1	30.4	35.1	37.4	37.4
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)