

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: P642799

Luminaire Tested: GWS-SA6D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642799  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

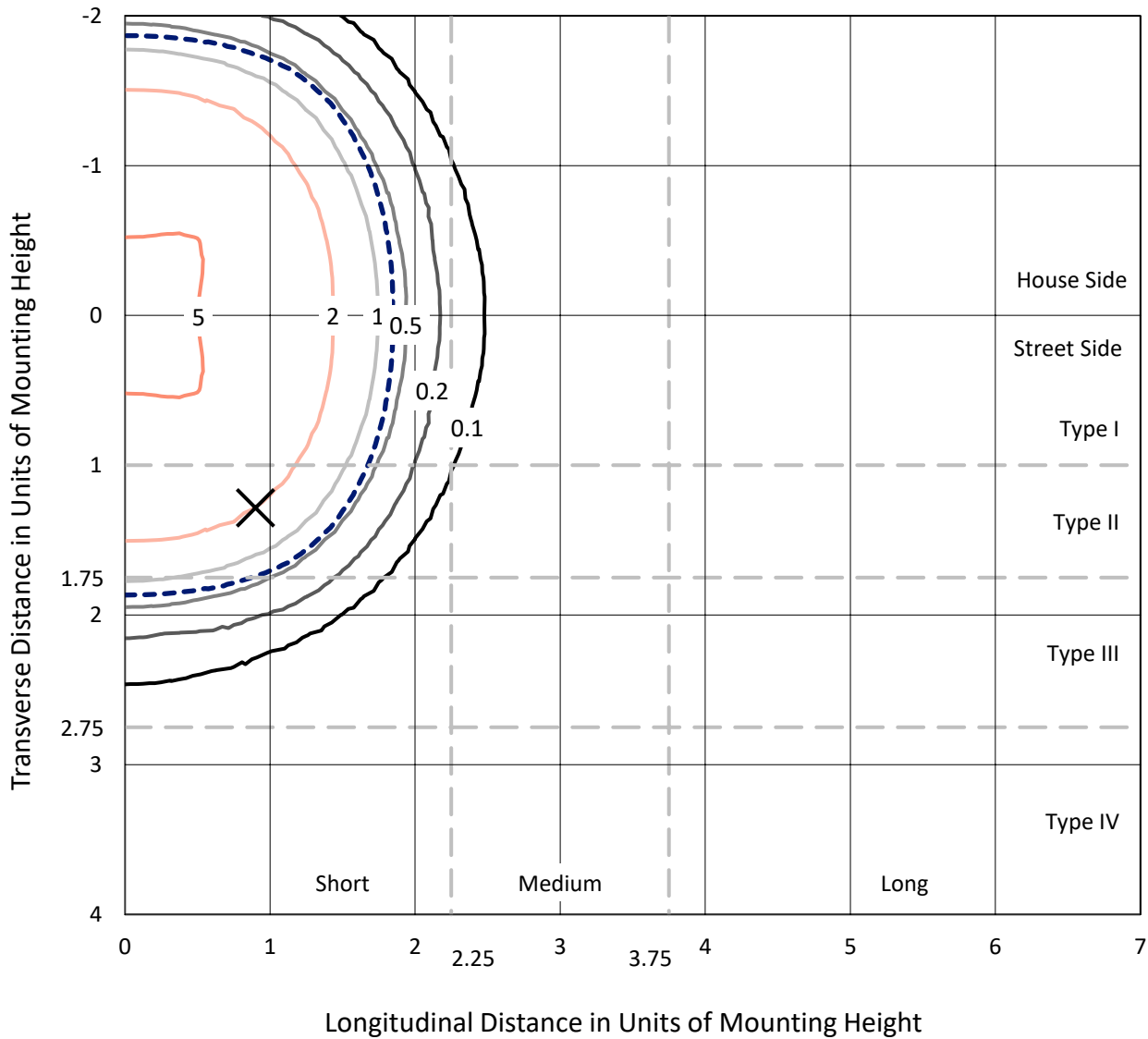
Lumens per Lamp: N/A  
Luminaire Lumens: 31644 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

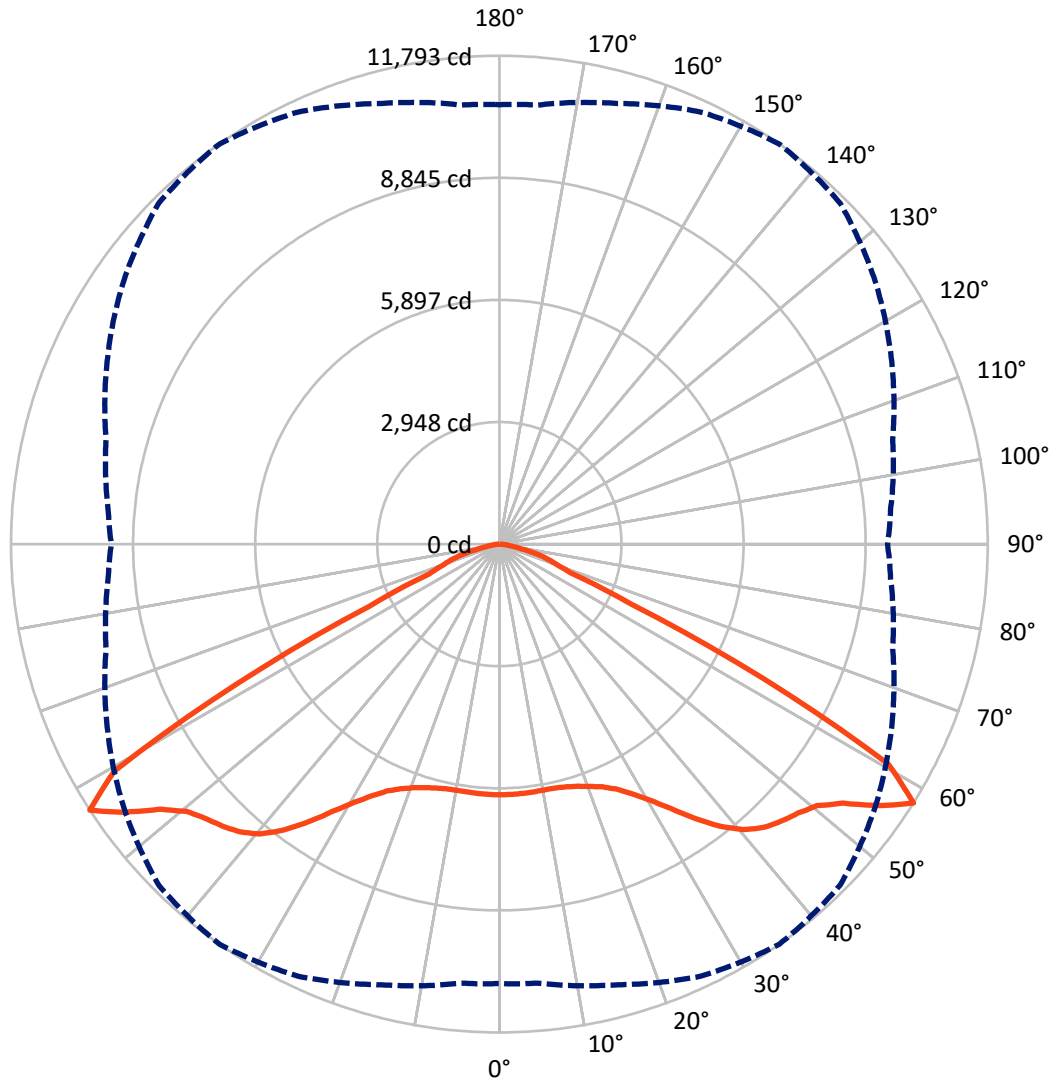
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 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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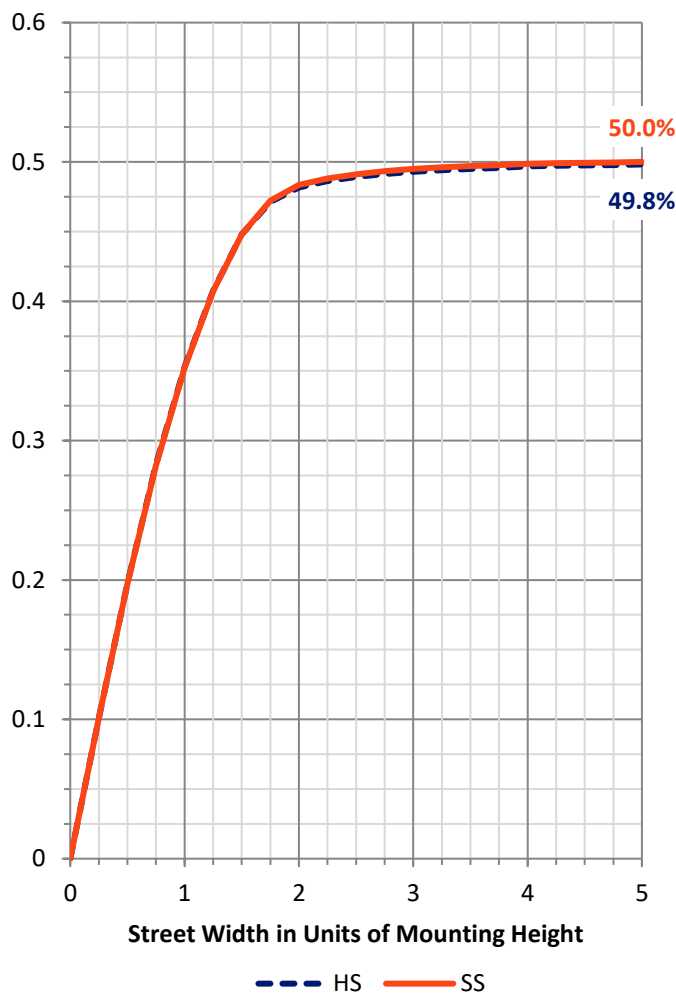
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15822.0	0.0	15822.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15822.0	0.0	15822.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31644.0	0.0	31644.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	576.0	1.8
10°-20°	1718.5	5.4
20°-30°	2998.5	9.5
30°-40°	4916.8	15.5
40°-50°	7241.3	22.9
50°-60°	9241.2	29.2
60°-70°	3894.7	12.3
70°-80°	930.4	2.9
80°-90°	126.6	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°	31644.0	100.0
0°-180°	31644.0	100.0

**Coefficient of Utilization**



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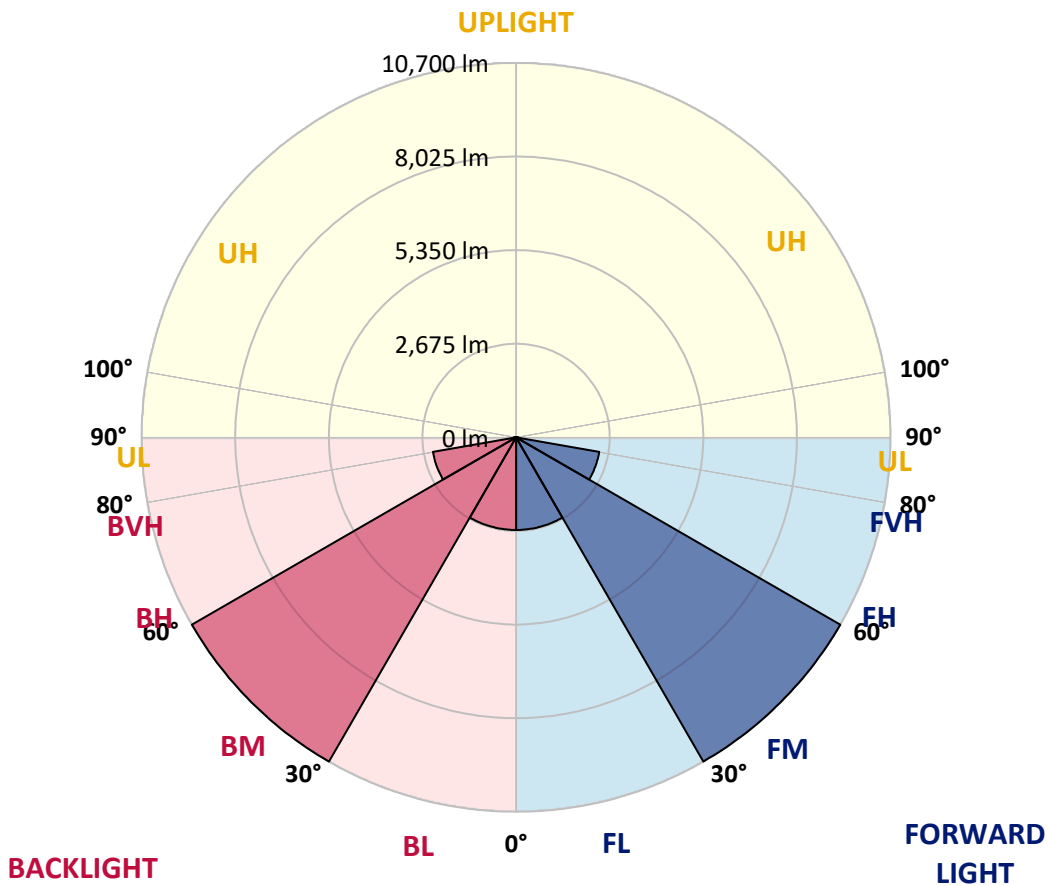
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.5	8.4			
FM (30°-60°)	10699.7	33.8			
FH (60°-80°)	2412.5	7.6			G2/5000
FVH (80°-90°)	63.3	0.2			G1/100
BL (0°-30°)	2646.5	8.4	B4/5000		
BM (30°-60°)	10699.7	33.8	B5		
BH (60°-80°)	2412.5	7.6	B3/2500		G2/5000
BVH (80°-90°)	63.3	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°	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7
2.5°	6018.4	6018.4	6031.4	6044.4	6049.5	6072.9	6070.3	6062.5	6057.3	6041.8	6062.5
5°	6031.4	6031.4	6041.8	6049.5	6046.9	6065.1	6057.3	6044.4	6036.6	6021.0	6044.4
7.5°	6028.8	6028.8	6036.6	6044.4	6039.2	6054.7	6041.8	6023.6	6010.7	5995.1	6015.9
10°	5995.1	6000.3	6008.1	6026.2	6034.0	6057.3	6039.2	6010.7	5989.9	5971.8	5992.5
12.5°	5989.9	5995.1	6005.5	6028.8	6041.8	6075.4	6052.1	6005.5	5974.4	5951.1	5971.8
15°	6013.3	6018.4	6034.0	6062.5	6083.2	6119.5	6085.8	6021.0	5977.0	5945.9	5964.0
17.5°	6041.8	6049.5	6072.9	6114.3	6148.0	6186.8	6145.4	6067.7	6005.5	5964.0	5979.6
20°	6072.9	6083.2	6119.5	6181.7	6243.8	6293.1	6241.3	6137.6	6062.5	6008.1	6023.6
22.5°	6127.3	6140.2	6186.8	6274.9	6368.2	6440.7	6376.0	6236.1	6137.6	6067.7	6080.6
25°	6238.7	6254.2	6313.8	6420.0	6552.2	6640.2	6549.6	6391.5	6254.2	6168.7	6181.7
27.5°	6435.6	6443.3	6521.1	6661.0	6824.2	6925.2	6816.4	6629.9	6477.0	6378.6	6388.9
30°	6694.6	6718.0	6795.7	6979.6	7173.9	7308.7	7166.2	6946.0	6769.8	6650.6	6661.0
32.5°	7010.7	7026.3	7142.9	7334.6	7614.4	7769.8	7575.5	7313.8	7101.4	6956.3	6966.7
35°	7425.3	7438.2	7549.6	7793.1	8132.5	8277.6	8054.8	7754.3	7508.2	7370.8	7409.7
37.5°	7920.1	7943.4	8023.7	8264.7	8642.9	8785.4	8528.9	8249.1	7992.6	7865.7	7894.2
40°	8451.2	8448.6	8513.4	8725.8	9070.4	9158.5	8927.9	8705.1	8484.9	8402.0	8448.6
42.5°	8907.2	8894.2	8940.9	9117.1	9355.4	9363.2	9210.3	9086.0	8930.5	8873.5	8917.6
45°	9225.9	9231.0	9301.0	9422.8	9544.5	9479.8	9433.1	9412.4	9290.6	9212.9	9220.7
47.5°	9477.2	9497.9	9609.3	9692.2	9707.8	9598.9	9663.7	9694.8	9593.8	9474.6	9440.9
50°	9700.0	9733.7	9878.7	9966.8	9933.2	9795.8	9922.8	9969.4	9746.6	9518.6	9451.3
52.5°	10104.1	10143.0	10319.2	10433.2	10394.3	10257.0	10376.2	10210.4	9834.7	9554.9	9469.4
55°	10749.3	10767.4	10982.4	11169.0	11150.8	10982.4	10886.6	10518.7	10062.7	9772.5	9692.2
57.5°	10611.9	10643.0	11016.1	11513.5	11793.4	11640.5	11078.3	10451.3	9832.1	9482.4	9373.5
60°	8350.2	8425.3	8889.1	9764.8	10790.7	10788.1	9744.0	8769.9	8023.7	7560.0	7513.3
62.5°	4875.9	4927.7	5350.0	6236.1	7155.8	7212.8	6479.6	5811.2	5158.3	4844.8	4694.5
65°	2308.4	2305.8	2474.2	2873.2	3495.0	3544.2	3324.0	2958.7	2572.7	2466.4	2437.9
67.5°	1704.8	1704.8	1691.8	1720.3	1839.5	1865.4	1839.5	1779.9	1743.6	1766.9	1751.4
70°	1479.4	1481.9	1466.4	1458.6	1458.6	1450.9	1461.2	1484.5	1500.1	1531.2	1515.6
72.5°	1199.5	1202.1	1202.1	1204.7	1207.3	1197.0	1212.5	1225.5	1228.0	1238.4	1228.0
75°	852.4	857.6	873.1	886.1	896.4	896.4	901.6	904.2	893.8	906.8	886.1
77.5°	468.9	474.1	502.6	525.9	549.3	551.8	559.6	564.8	559.6	570.0	554.4
80°	259.1	264.3	277.2	287.6	305.7	321.3	331.6	336.8	336.8	344.6	336.8
82.5°	147.7	152.9	160.6	165.8	181.4	194.3	204.7	212.4	212.4	215.0	209.9
85°	70.0	70.0	75.1	80.3	88.1	93.3	106.2	114.0	114.0	119.2	114.0
87.5°	10.4	13.0	15.5	15.5	20.7	25.9	31.1	33.7	38.9	41.5	41.5
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)