

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: P643245

Luminaire Tested: GWS-SA6E-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643245  
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-SAGE-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**

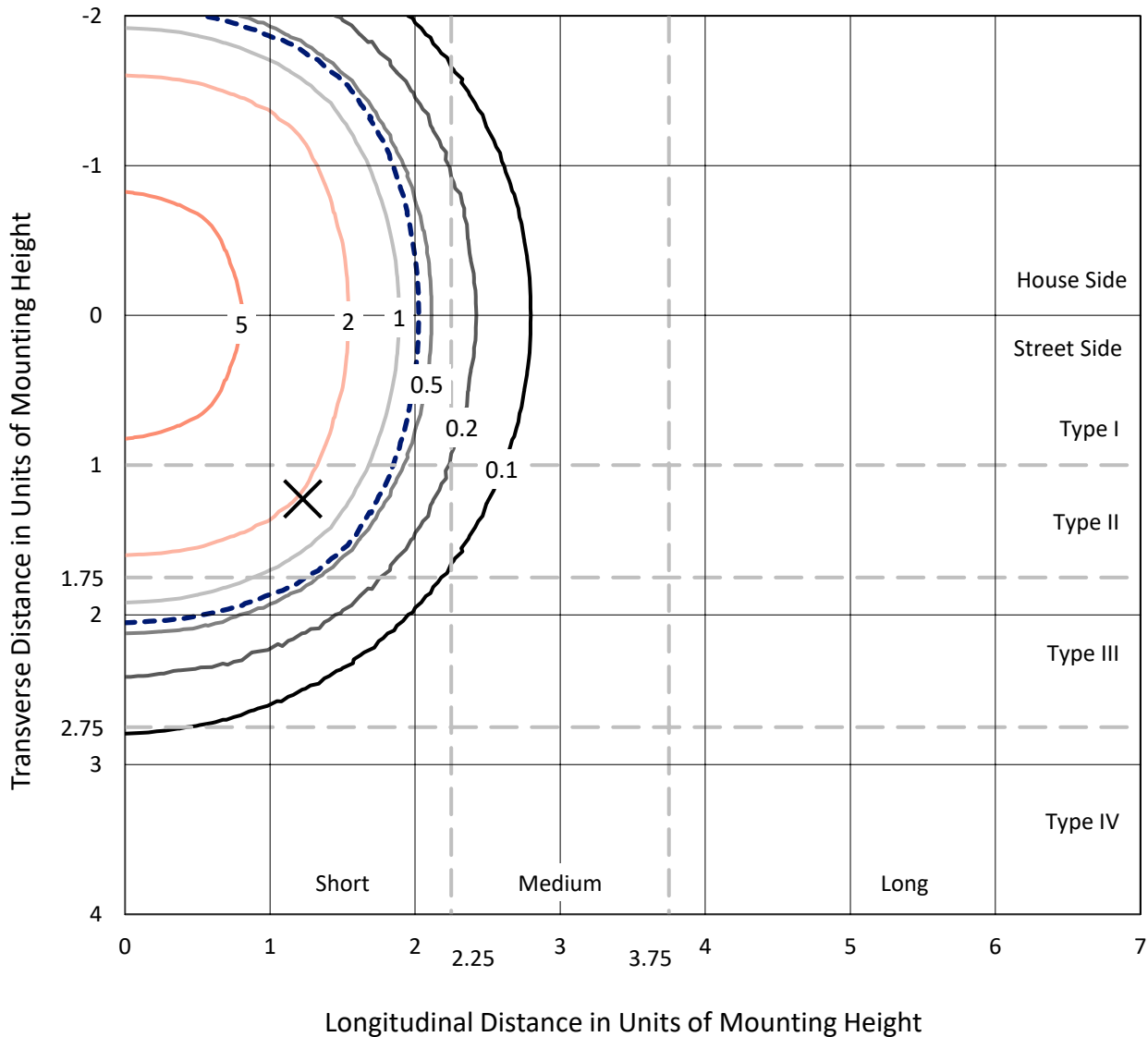
Lumens per Lamp: N/A  
Luminaire Lumens: 38672.1 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

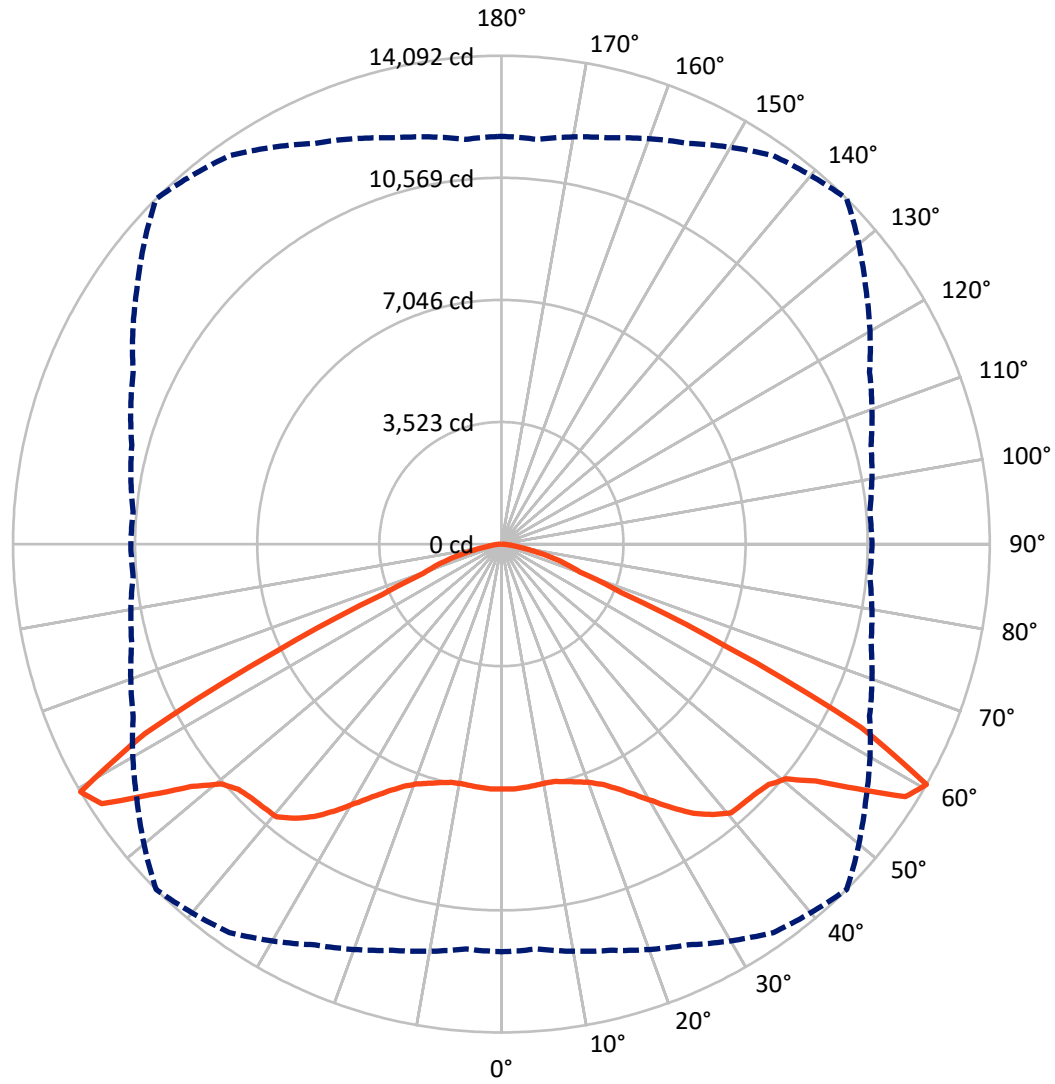
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 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	19336.0	0.0	19336.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19336.0	0.0	19336.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38672.1	0.0	38672.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	670.2	1.7
10°-20°	2016.0	5.2
20°-30°	3566.5	9.2
30°-40°	5742.2	14.8
40°-50°	7892.6	20.4
50°-60°	10517.6	27.2
60°-70°	6555.1	17.0
70°-80°	1507.4	3.9
80°-90°	204.5	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°	38672.1	100.0
0°-180°	38672.1	100.0

**Coefficient of Utilization**



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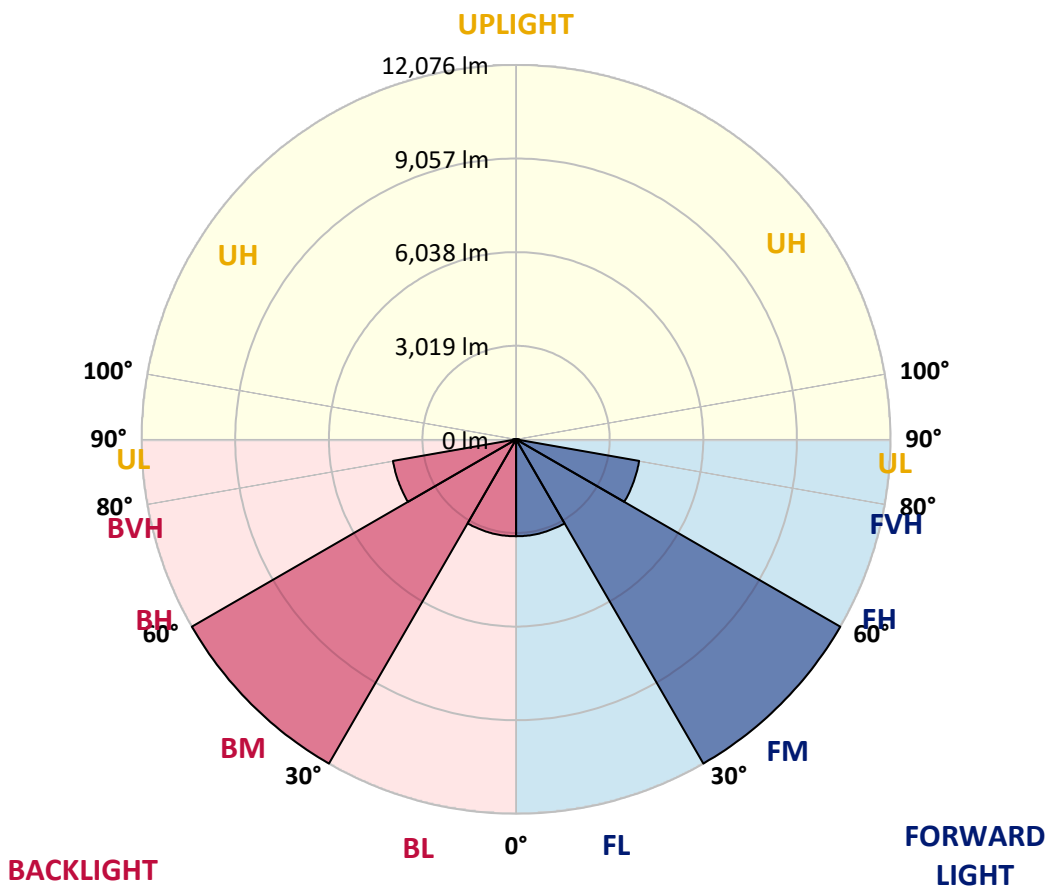
CATALOG NUMBER: GWS-SA6E-750-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3126.4	8.1			
FM (30°-60°)	12076.2	31.2			
FH (60°-80°)	4031.2	10.4			G2/5000
FVH (80°-90°)	102.3	0.3			G2/225
BL (0°-30°)	3126.4	8.1	B4/5000		
BM (30°-60°)	12076.2	31.2	B5		
BH (60°-80°)	4031.2	10.4	B4/5000		G2/5000
BVH (80°-90°)	102.3	0.3			G2/225
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°	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3	7067.3
2.5°	7018.0	7024.6	7037.7	7047.6	7060.7	7073.8	7080.4	7067.3	7060.7	7034.4	7064.0
5°	7024.6	7031.2	7041.0	7041.0	7044.3	7054.1	7054.1	7037.7	7021.3	6991.8	7024.6
7.5°	7014.8	7021.3	7024.6	7021.3	7024.6	7027.9	7021.3	7001.6	6985.2	6958.9	6985.2
10°	6998.3	7004.9	7011.5	7004.9	6998.3	7008.2	7008.2	6995.1	6985.2	6958.9	6988.5
12.5°	7034.4	7044.3	7047.6	7031.2	7024.6	7027.9	7027.9	7014.8	7014.8	6991.8	7024.6
15°	7119.8	7126.4	7116.5	7096.8	7100.1	7109.9	7087.0	7054.1	7047.6	7037.7	7064.0
17.5°	7185.4	7192.0	7182.2	7169.0	7192.0	7215.0	7172.3	7109.9	7090.2	7083.7	7113.2
20°	7257.7	7267.5	7254.4	7270.8	7316.7	7343.0	7290.5	7205.1	7165.7	7155.9	7192.0
22.5°	7375.8	7389.0	7389.0	7425.1	7494.0	7536.7	7471.0	7356.1	7297.0	7280.6	7316.7
25°	7562.9	7572.8	7582.6	7654.8	7766.4	7825.5	7720.5	7562.9	7480.9	7454.6	7474.3
27.5°	7822.3	7838.7	7855.1	7960.1	8098.0	8183.3	8032.3	7835.4	7733.6	7681.1	7720.5
30°	8130.8	8153.8	8193.2	8311.3	8505.0	8600.2	8406.5	8166.9	8052.0	7996.2	8048.7
32.5°	8551.0	8554.3	8583.8	8715.1	8971.1	9079.5	8836.6	8570.7	8452.5	8386.8	8416.4
35°	9049.9	9053.2	9007.2	9141.8	9417.6	9539.0	9253.4	8984.3	8885.8	8866.1	8941.6
37.5°	9562.0	9532.4	9486.5	9545.6	9824.6	9903.4	9601.4	9371.6	9328.9	9365.0	9476.6
40°	9926.3	9877.1	9785.2	9827.9	10110.2	10202.1	9880.4	9663.7	9650.6	9739.2	9873.8
42.5°	10162.7	10110.2	10001.8	10001.8	10195.5	10234.9	9985.4	9870.5	9900.1	10001.8	10129.9
45°	10277.6	10248.0	10185.7	10152.8	10261.2	10277.6	10087.2	10041.2	10097.0	10146.3	10244.8
47.5°	10366.2	10366.2	10346.5	10313.7	10362.9	10372.8	10231.6	10218.5	10290.7	10290.7	10356.4
50°	10523.8	10540.2	10566.4	10559.9	10612.4	10645.2	10540.2	10520.5	10550.0	10454.8	10487.7
52.5°	10937.4	10980.0	11055.5	11114.6	11249.2	11351.0	11163.9	11006.3	10852.0	10641.9	10648.5
55°	11679.2	11698.9	11846.6	12020.6	12247.1	12453.9	12069.8	11580.7	11245.9	10999.7	11003.0
57.5°	12306.2	12335.7	12552.4	12916.7	13425.5	13747.2	12897.0	12079.7	11607.0	11305.0	11314.9
60°	11764.6	11725.2	12135.5	12759.2	13681.6	14091.9	12837.9	11721.9	11042.4	10668.2	10694.5
62.5°	9102.4	9026.9	9483.2	10136.4	11242.6	11653.0	10497.5	9427.4	8784.0	8491.9	8449.2
65°	5540.9	5472.0	5800.2	6200.7	6949.1	7208.4	6679.9	6112.1	5550.7	5373.5	5324.3
67.5°	3016.6	3006.8	3095.4	3292.4	3620.6	3742.1	3640.3	3371.2	3226.7	3102.0	3102.0
70°	2393.0	2373.3	2356.9	2360.1	2389.7	2406.1	2409.4	2396.2	2412.7	2415.9	2402.8
72.5°	1982.6	1976.1	1943.3	1946.5	1933.4	1926.8	1949.8	1962.9	1989.2	1992.5	1992.5
75°	1437.7	1421.3	1437.7	1441.0	1427.9	1427.9	1444.3	1441.0	1454.2	1460.7	1424.6
77.5°	817.3	817.3	840.3	866.6	886.3	886.3	902.7	902.7	919.1	915.8	909.3
80°	449.7	449.7	462.8	479.2	498.9	518.6	535.1	538.3	548.2	544.9	535.1
82.5°	256.0	259.3	265.9	275.7	295.4	311.8	328.3	331.5	341.4	341.4	331.5
85°	121.5	118.2	121.5	128.0	137.9	151.0	167.4	177.3	183.8	183.8	177.3
87.5°	23.0	26.3	23.0	26.3	29.5	39.4	46.0	52.5	62.4	65.7	59.1
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)