

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: P640654

Luminaire Tested: GWS-SA5E-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640654  
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-SA5E-735-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

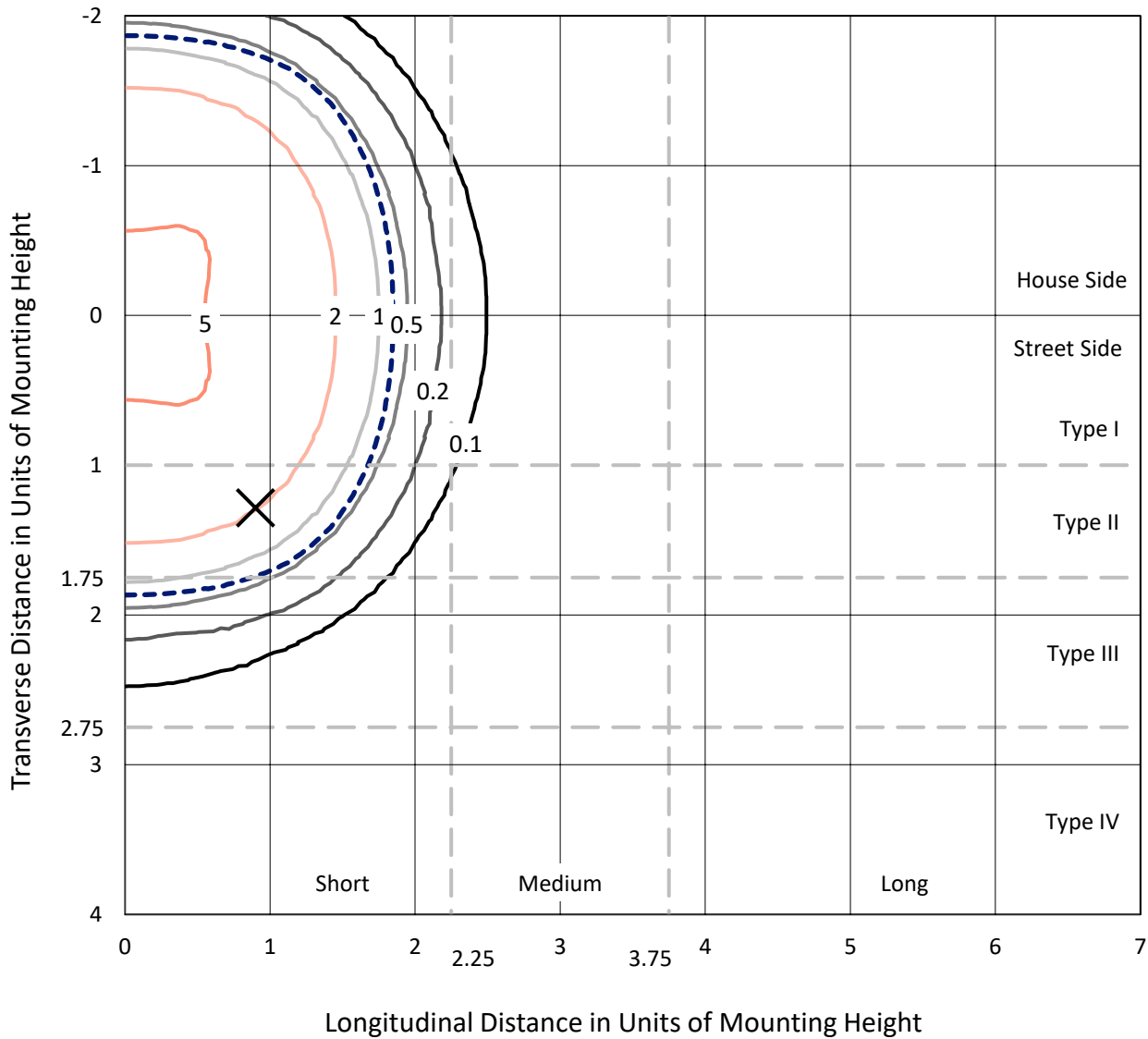
Lumens per Lamp: N/A  
Luminaire Lumens: 32419.6 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

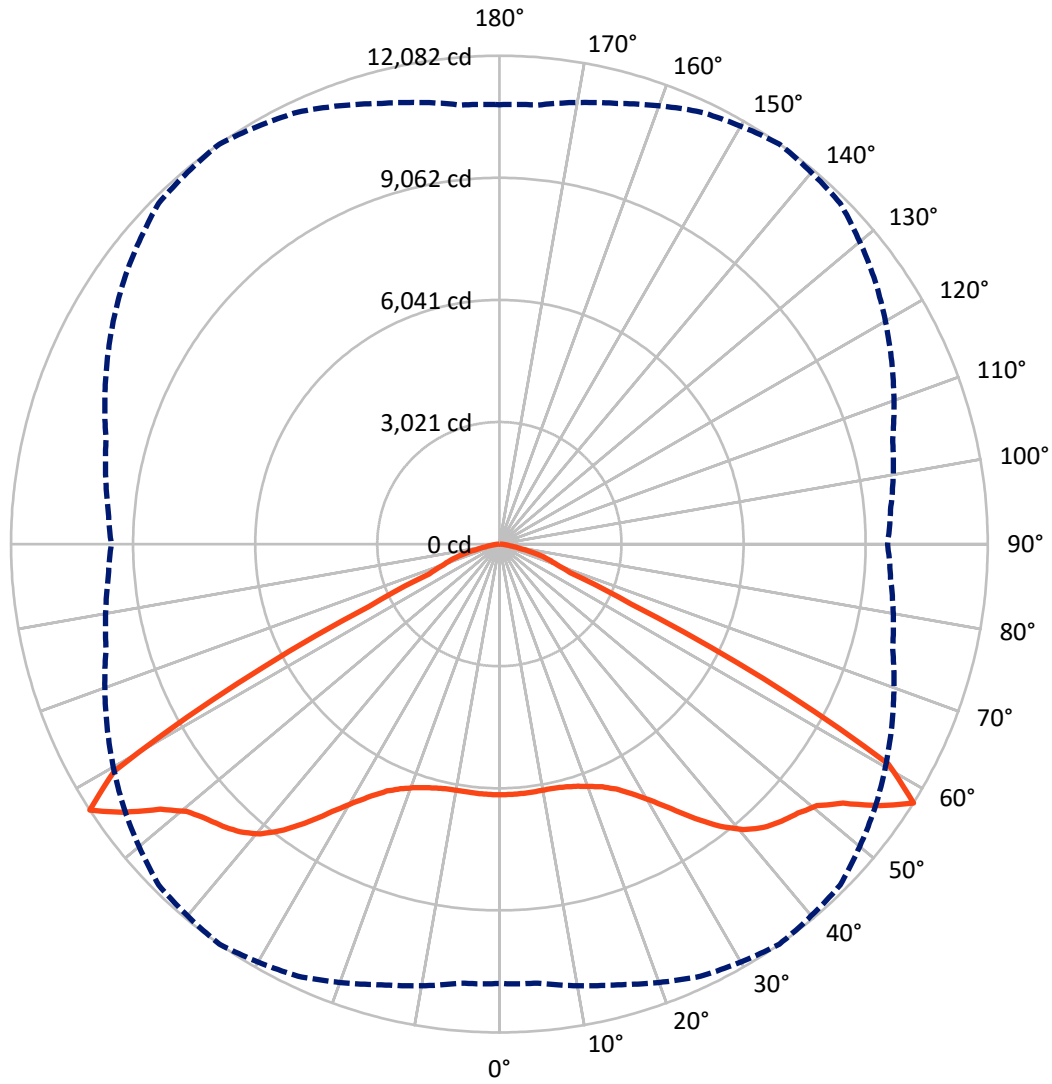
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.9 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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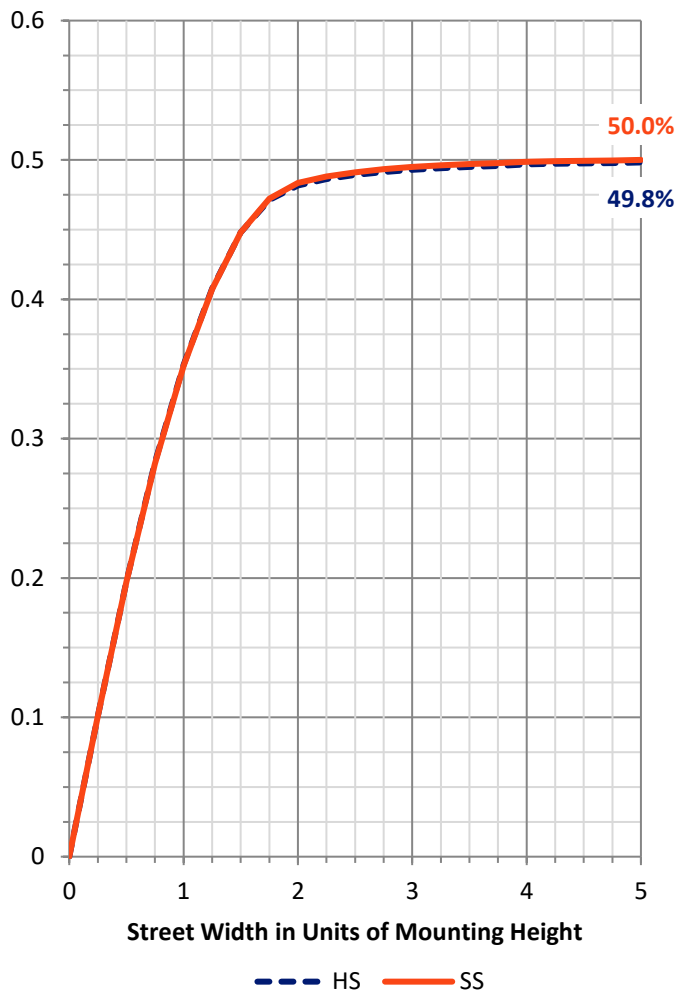
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16209.8	0.0	16209.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16209.8	0.0	16209.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32419.6	0.0	32419.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	590.1	1.8
10°-20°	1760.6	5.4
20°-30°	3072.0	9.5
30°-40°	5037.3	15.5
40°-50°	7418.8	22.9
50°-60°	9467.7	29.2
60°-70°	3990.1	12.3
70°-80°	953.2	2.9
80°-90°	129.7	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°	32419.6	100.0
0°-180°	32419.6	100.0

**Coefficient of Utilization**



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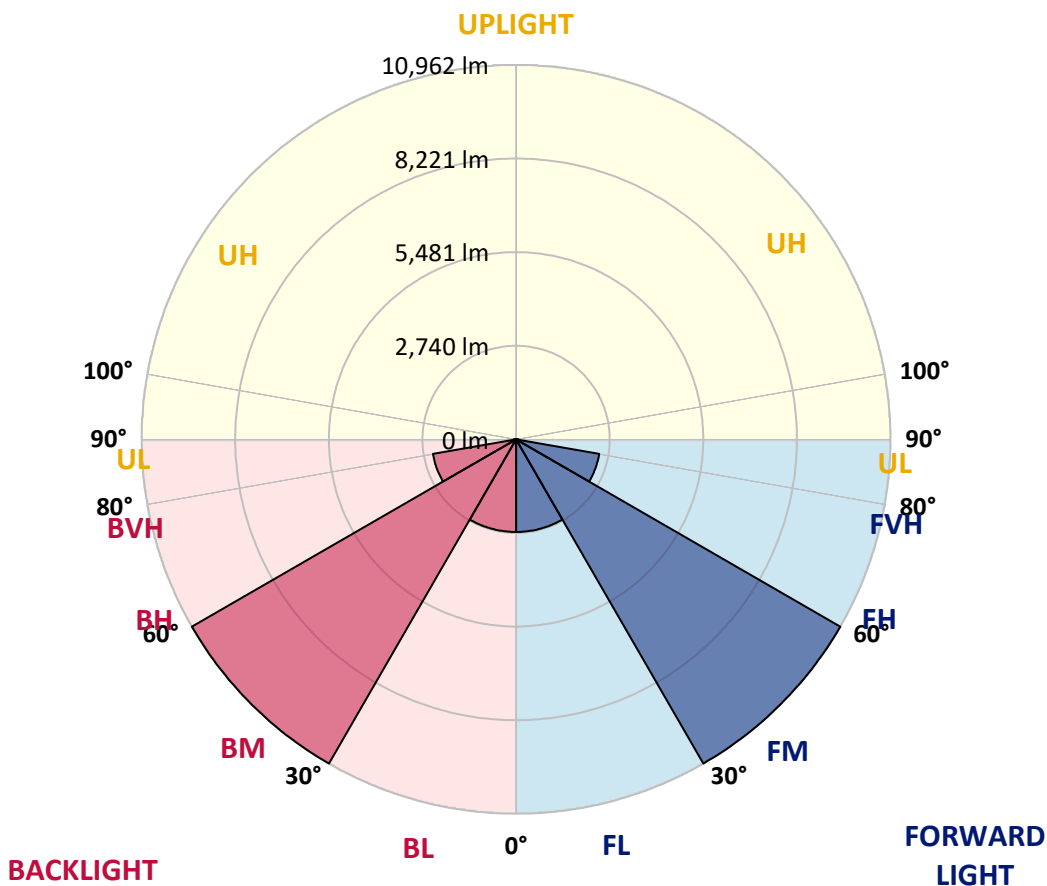
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2711.4	8.4			
FM (30°-60°)	10961.9	33.8			
FH (60°-80°)	2471.6	7.6			G2/5000
FVH (80°-90°)	64.9	0.2			G1/100
BL (0°-30°)	2711.4	8.4	B4/5000		
BM (30°-60°)	10961.9	33.8	B5		
BH (60°-80°)	2471.6	7.6	B3/2500		G2/5000
BVH (80°-90°)	64.9	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°	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1	6203.1
2.5°	6166.0	6166.0	6179.2	6192.5	6197.8	6221.7	6219.0	6211.1	6205.8	6189.8	6211.1
5°	6179.2	6179.2	6189.8	6197.8	6195.2	6213.7	6205.8	6192.5	6184.5	6168.6	6192.5
7.5°	6176.6	6176.6	6184.5	6192.5	6187.2	6203.1	6189.8	6171.3	6158.0	6142.1	6163.3
10°	6142.1	6147.4	6155.3	6173.9	6181.9	6205.8	6187.2	6158.0	6136.8	6118.2	6139.4
12.5°	6136.8	6142.1	6152.7	6176.6	6189.8	6224.4	6200.5	6152.7	6120.8	6096.9	6118.2
15°	6160.7	6166.0	6181.9	6211.1	6232.3	6269.5	6235.0	6168.6	6123.5	6091.6	6110.2
17.5°	6189.8	6197.8	6221.7	6264.2	6298.7	6338.5	6296.0	6216.4	6152.7	6110.2	6126.1
20°	6221.7	6232.3	6269.5	6333.2	6396.9	6447.3	6394.2	6288.1	6211.1	6155.3	6171.3
22.5°	6277.4	6290.7	6338.5	6428.7	6524.3	6598.6	6532.3	6388.9	6288.1	6216.4	6229.7
25°	6391.6	6407.5	6468.6	6577.4	6712.7	6803.0	6710.1	6548.2	6407.5	6319.9	6333.2
27.5°	6593.3	6601.3	6680.9	6824.2	6991.4	7095.0	6983.5	6792.4	6635.8	6534.9	6545.5
30°	6858.7	6882.6	6962.3	7150.7	7349.8	7487.8	7341.8	7116.2	6935.7	6813.6	6824.2
32.5°	7182.6	7198.5	7317.9	7514.3	7801.0	7960.3	7761.2	7493.1	7275.5	7126.8	7137.4
35°	7607.2	7620.5	7734.7	7984.2	8331.9	8480.5	8252.2	7944.3	7692.2	7551.5	7591.3
37.5°	8114.2	8138.1	8220.4	8467.2	8854.8	9000.8	8738.0	8451.3	8188.5	8058.5	8087.7
40°	8658.4	8655.7	8722.1	8939.7	9292.7	9383.0	9146.7	8918.5	8692.9	8607.9	8655.7
42.5°	9125.5	9112.2	9160.0	9340.5	9584.7	9592.7	9436.1	9308.7	9149.4	9091.0	9136.1
45°	9452.0	9457.3	9529.0	9653.7	9778.5	9712.1	9664.3	9643.1	9518.4	9438.7	9446.7
47.5°	9709.5	9730.7	9844.8	9929.8	9945.7	9834.2	9900.6	9932.4	9828.9	9706.8	9672.3
50°	9937.7	9972.2	10120.9	10211.1	10176.6	10035.9	10166.0	10213.8	9985.5	9751.9	9682.9
52.5°	10351.8	10391.6	10572.1	10688.9	10649.1	10508.4	10630.5	10460.6	10075.8	9789.1	9701.5
55°	11012.7	11031.3	11251.6	11442.7	11424.1	11251.6	11153.4	10776.5	10309.3	10012.1	9929.8
57.5°	10872.0	10903.9	11286.1	11795.7	12082.4	11925.8	11349.8	10707.5	10073.1	9714.8	9603.3
60°	8554.8	8631.8	9106.9	10004.1	11055.2	11052.5	9982.9	8984.8	8220.4	7745.3	7697.5
62.5°	4995.4	5048.5	5481.1	6388.9	7331.2	7389.6	6638.4	5953.6	5284.7	4963.6	4809.6
65°	2365.0	2362.3	2534.9	2943.6	3580.7	3631.1	3405.5	3031.2	2635.7	2526.9	2497.7
67.5°	1746.5	1746.5	1733.3	1762.5	1884.6	1911.1	1884.6	1823.5	1786.3	1810.2	1794.3
70°	1515.6	1518.3	1502.3	1494.4	1494.4	1486.4	1497.0	1520.9	1536.8	1568.7	1552.8
72.5°	1228.9	1231.6	1231.6	1234.3	1236.9	1226.3	1242.2	1255.5	1258.1	1268.8	1258.1
75°	873.3	878.6	894.5	907.8	918.4	918.4	923.7	926.4	915.7	929.0	907.8
77.5°	480.4	485.7	514.9	538.8	562.7	565.4	573.3	578.6	573.3	583.9	568.0
80°	265.4	270.7	284.0	294.6	313.2	329.1	339.8	345.1	345.1	353.0	345.1
82.5°	151.3	156.6	164.6	169.9	185.8	199.1	209.7	217.7	217.7	220.3	215.0
85°	71.7	71.7	77.0	82.3	90.2	95.6	108.8	116.8	116.8	122.1	116.8
87.5°	10.6	13.3	15.9	15.9	21.2	26.5	31.9	34.5	39.8	42.5	42.5
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)