

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: P643135

Luminaire Tested: GWS-SA6E-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643135  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

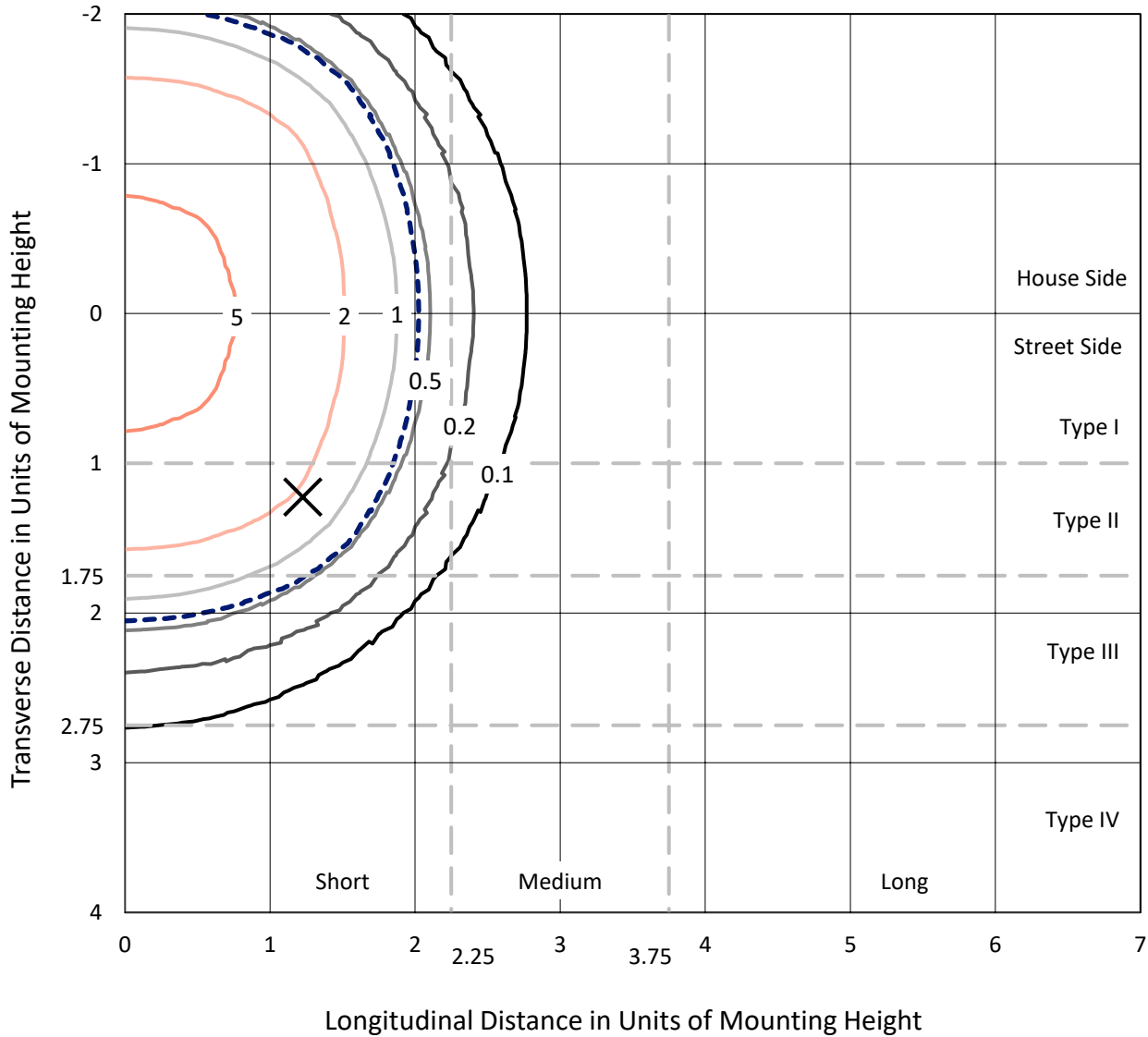
Lumens per Lamp: N/A  
Luminaire Lumens: 37287.6 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

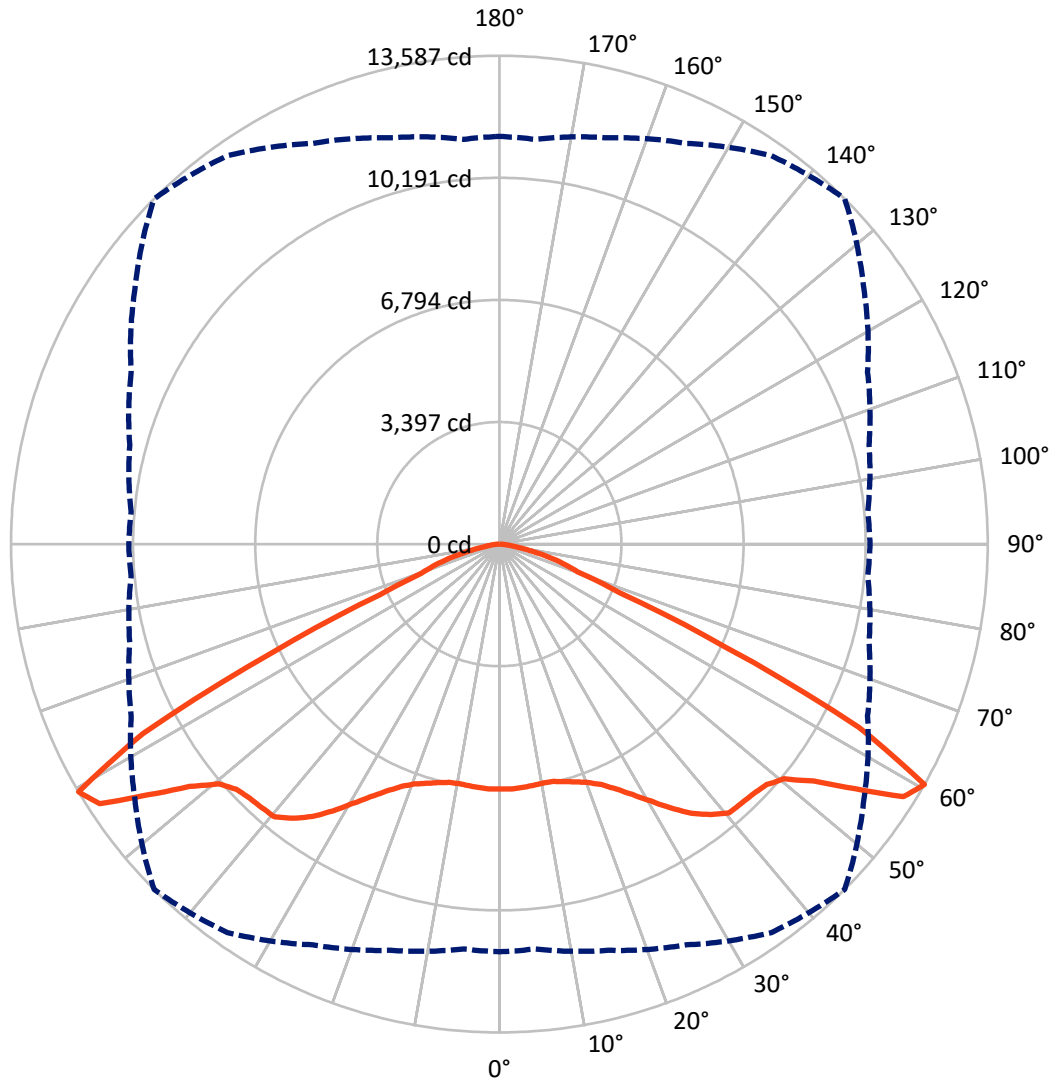
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.6 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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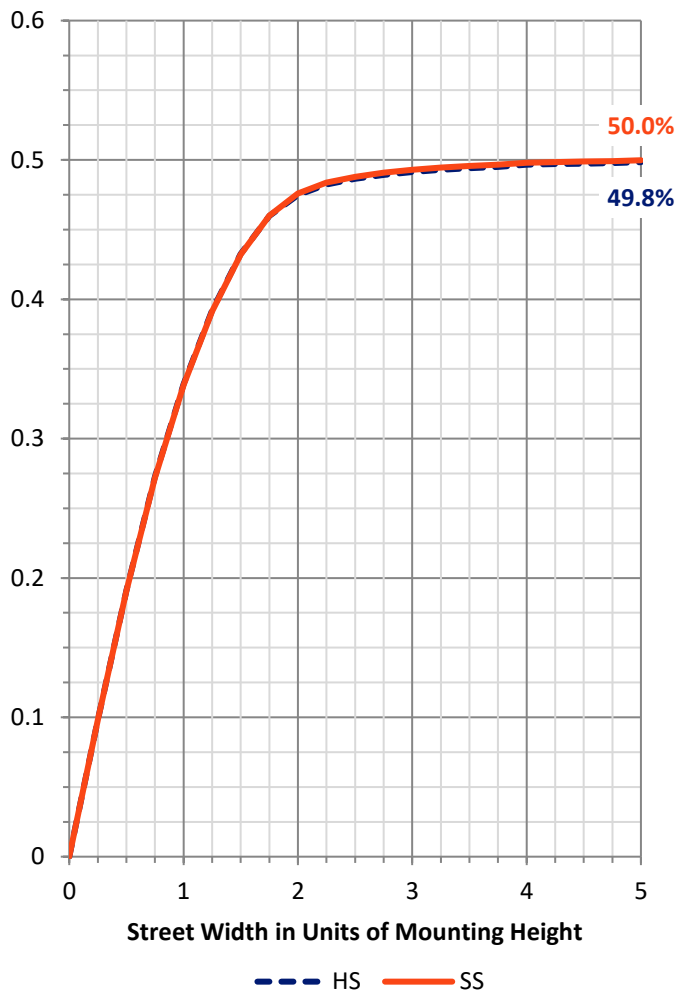
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18643.8	0.0	18643.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18643.8	0.0	18643.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37287.6	0.0	37287.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	646.2	1.7
10°-20°	1943.8	5.2
20°-30°	3438.9	9.2
30°-40°	5536.6	14.8
40°-50°	7610.0	20.4
50°-60°	10141.1	27.2
60°-70°	6320.4	17.0
70°-80°	1453.4	3.9
80°-90°	197.2	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°	37287.6	100.0
0°-180°	37287.6	100.0

**Coefficient of Utilization**



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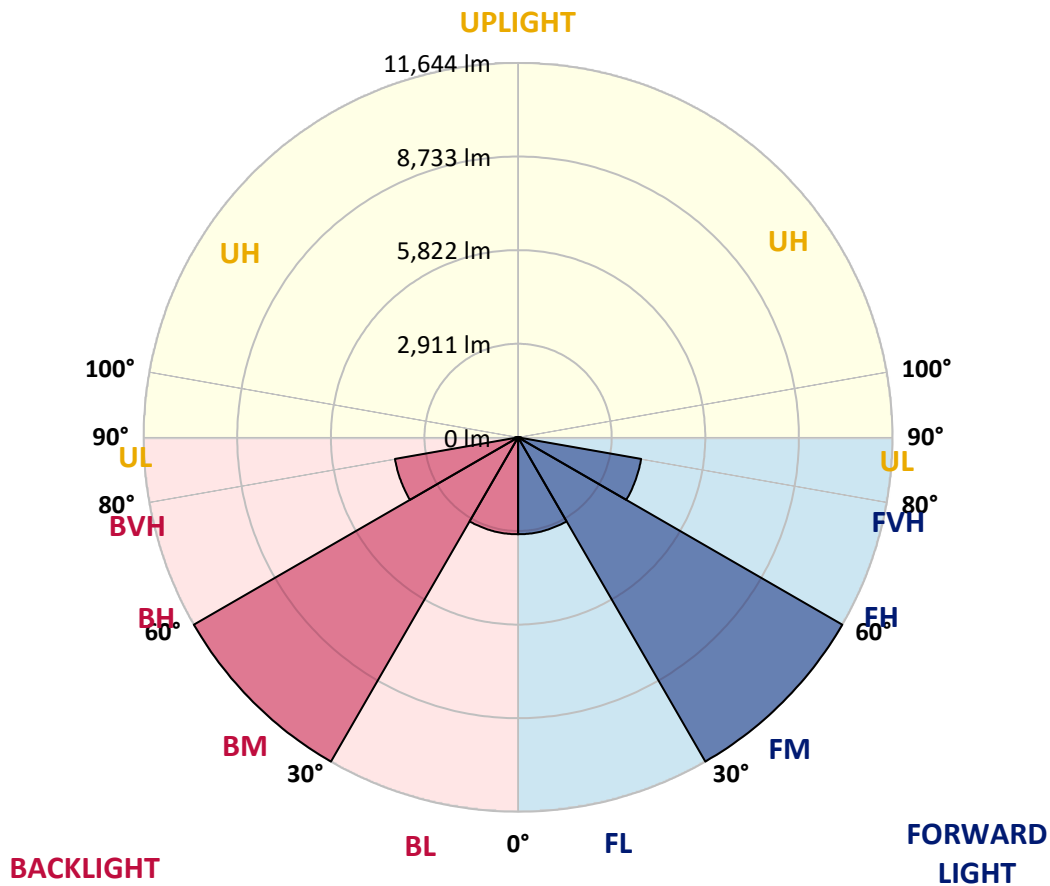
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3014.4	8.1			
FM (30°-60°)	11643.9	31.2			
FH (60°-80°)	3886.9	10.4			G2/5000
FVH (80°-90°)	98.6	0.3			G1/100
BL (0°-30°)	3014.4	8.1	B4/5000		
BM (30°-60°)	11643.9	31.2	B5		
BH (60°-80°)	3886.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	98.6	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°	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3	6814.3
2.5°	6766.8	6773.1	6785.8	6795.3	6807.9	6820.6	6826.9	6814.3	6807.9	6782.6	6811.1
5°	6773.1	6779.4	6788.9	6788.9	6792.1	6801.6	6801.6	6785.8	6769.9	6741.5	6773.1
7.5°	6763.6	6769.9	6773.1	6769.9	6773.1	6776.3	6769.9	6751.0	6735.1	6709.8	6735.1
10°	6747.8	6754.1	6760.5	6754.1	6747.8	6757.3	6757.3	6744.6	6735.1	6709.8	6738.3
12.5°	6782.6	6792.1	6795.3	6779.4	6773.1	6776.3	6776.3	6763.6	6763.6	6741.5	6773.1
15°	6864.9	6871.2	6861.7	6842.7	6845.9	6855.4	6833.2	6801.6	6795.3	6785.8	6811.1
17.5°	6928.2	6934.5	6925.0	6912.4	6934.5	6956.7	6915.5	6855.4	6836.4	6830.1	6858.6
20°	6997.8	7007.3	6994.7	7010.5	7054.8	7080.1	7029.5	6947.2	6909.2	6899.7	6934.5
22.5°	7111.8	7124.4	7124.4	7159.2	7225.7	7266.9	7203.6	7092.8	7035.8	7020.0	7054.8
25°	7292.2	7301.7	7311.2	7380.8	7488.4	7545.4	7444.1	7292.2	7213.0	7187.7	7206.7
27.5°	7542.2	7558.0	7573.9	7675.1	7808.1	7890.4	7744.8	7554.9	7456.8	7406.1	7444.1
30°	7839.7	7861.9	7899.9	8013.8	8200.5	8292.3	8105.6	7874.5	7763.8	7710.0	7760.6
32.5°	8244.8	8248.0	8276.5	8403.1	8650.0	8754.4	8520.2	8263.8	8149.9	8086.6	8115.1
35°	8725.9	8729.1	8684.8	8814.5	9080.4	9197.5	8922.1	8662.6	8567.7	8548.7	8621.5
37.5°	9219.7	9191.2	9146.9	9203.8	9472.9	9548.8	9257.6	9036.1	8994.9	9029.8	9137.4
40°	9571.0	9523.5	9434.9	9476.0	9748.2	9836.8	9526.7	9317.8	9305.1	9390.6	9520.3
42.5°	9798.9	9748.2	9643.8	9643.8	9830.5	9868.5	9627.9	9517.2	9545.7	9643.8	9767.2
45°	9909.6	9881.1	9821.0	9789.4	9893.8	9909.6	9726.1	9681.8	9735.6	9783.0	9878.0
47.5°	9995.1	9995.1	9976.1	9944.4	9991.9	10001.4	9865.3	9852.7	9922.3	9922.3	9985.6
50°	10147.0	10162.8	10188.2	10181.8	10232.5	10264.1	10162.8	10143.8	10172.3	10080.5	10112.2
52.5°	10545.8	10586.9	10659.7	10716.7	10846.5	10944.6	10764.2	10612.3	10463.5	10260.9	10267.3
55°	11261.1	11280.1	11422.5	11590.2	11808.6	12008.0	11637.7	11166.1	10843.3	10605.9	10609.1
57.5°	11865.6	11894.1	12103.0	12454.3	12944.9	13255.0	12435.3	11647.2	11191.5	10900.3	10909.8
60°	11343.4	11305.4	11701.0	12302.4	13191.7	13587.4	12378.3	11302.2	10647.1	10286.3	10311.6
62.5°	8776.6	8703.8	9143.7	9773.5	10840.1	11235.8	10121.7	9089.9	8469.6	8187.9	8146.7
65°	5342.5	5276.1	5592.6	5978.7	6700.3	6950.4	6440.8	5893.2	5352.0	5181.1	5133.6
67.5°	2908.6	2899.1	2984.6	3174.5	3491.0	3608.1	3510.0	3250.5	3111.2	2990.9	2990.9
70°	2307.3	2288.3	2272.5	2275.6	2304.1	2319.9	2323.1	2310.5	2326.3	2329.4	2316.8
72.5°	1911.7	1905.3	1873.7	1876.8	1864.2	1857.9	1880.0	1892.7	1918.0	1921.2	1921.2
75°	1386.3	1370.4	1386.3	1389.4	1376.8	1376.8	1392.6	1389.4	1402.1	1408.4	1373.6
77.5°	788.1	788.1	810.2	835.6	854.6	854.6	870.4	870.4	886.2	883.0	876.7
80°	433.6	433.6	446.3	462.1	481.1	500.1	515.9	519.1	528.6	525.4	515.9
82.5°	246.9	250.0	256.4	265.9	284.9	300.7	316.5	319.7	329.2	329.2	319.7
85°	117.1	113.9	117.1	123.4	132.9	145.6	161.4	170.9	177.2	177.2	170.9
87.5°	22.2	25.3	22.2	25.3	28.5	38.0	44.3	50.6	60.1	63.3	57.0
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)