

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: P642304

Luminaire Tested: GWS-SA6C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642304  
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-SA6C-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: 25083.2 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 189.2  
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

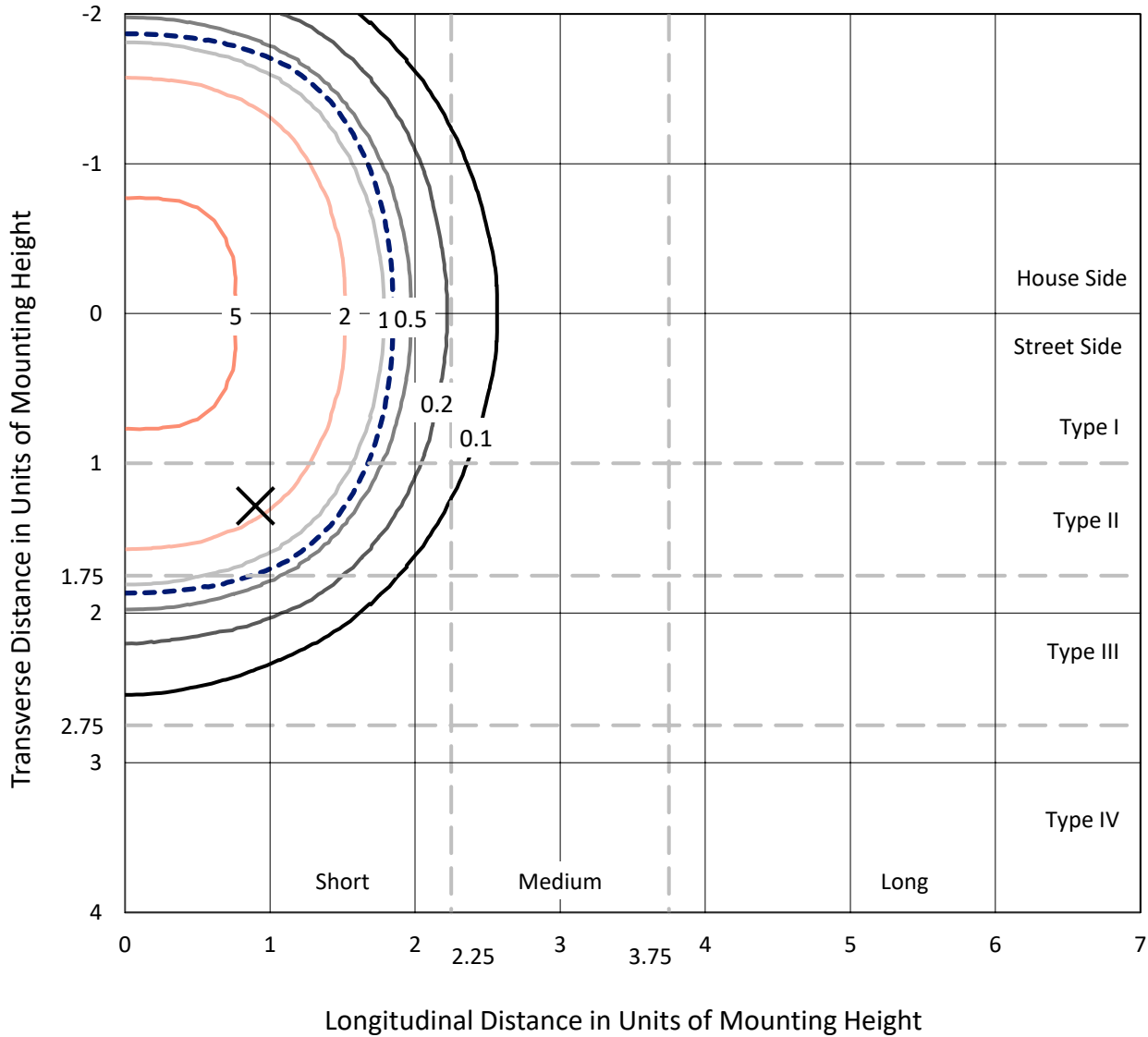


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### Iso-Footcandle Lines of Horizontal Illumination

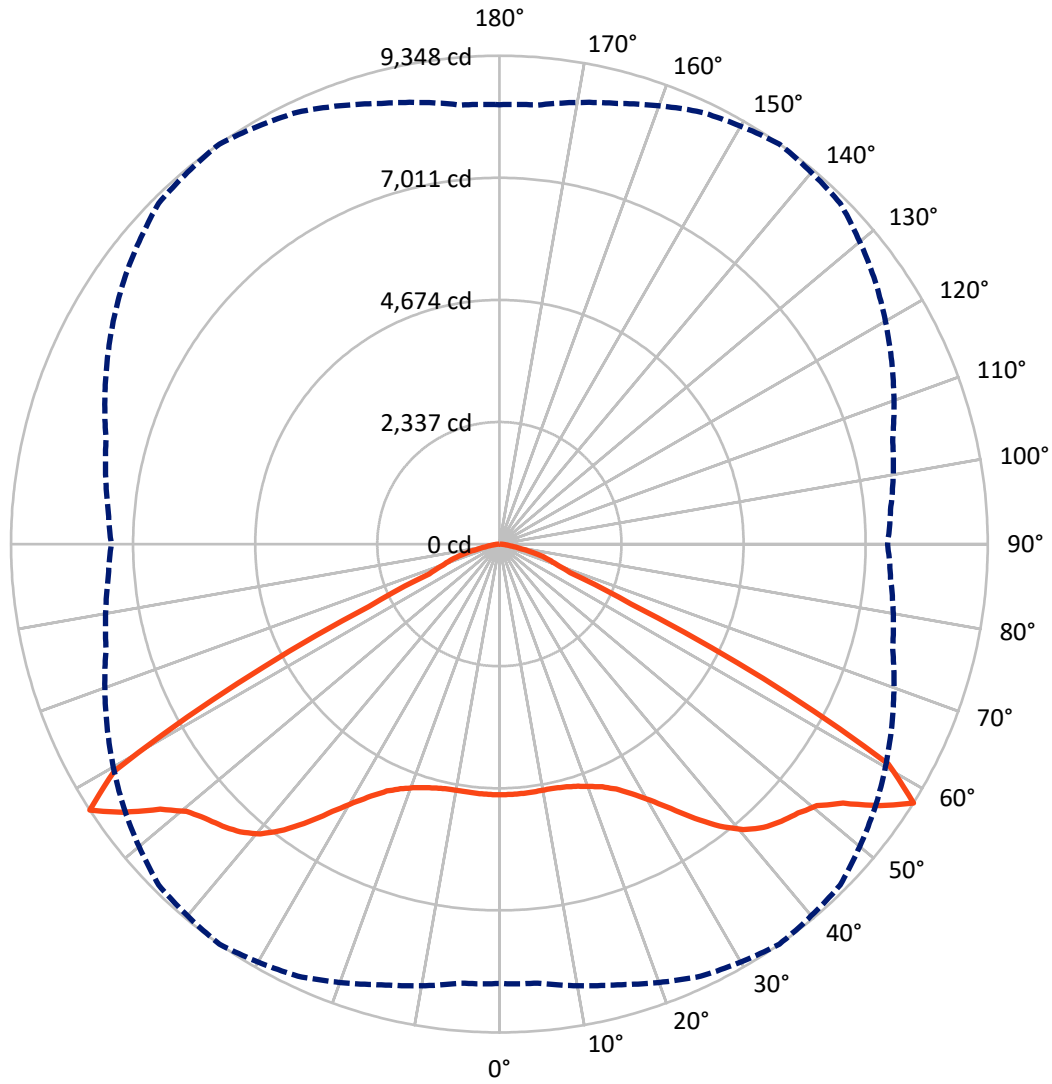
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	12541.6	0.0	12541.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12541.6	0.0	12541.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25083.2	0.0	25083.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.6	1.8
10°-20°	1362.2	5.4
20°-30°	2376.8	9.5
30°-40°	3897.4	15.5
40°-50°	5740.0	22.9
50°-60°	7325.2	29.2
60°-70°	3087.2	12.3
70°-80°	737.5	2.9
80°-90°	100.4	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°	25083.2	100.0
0°-180°	25083.2	100.0

**Coefficient of Utilization**



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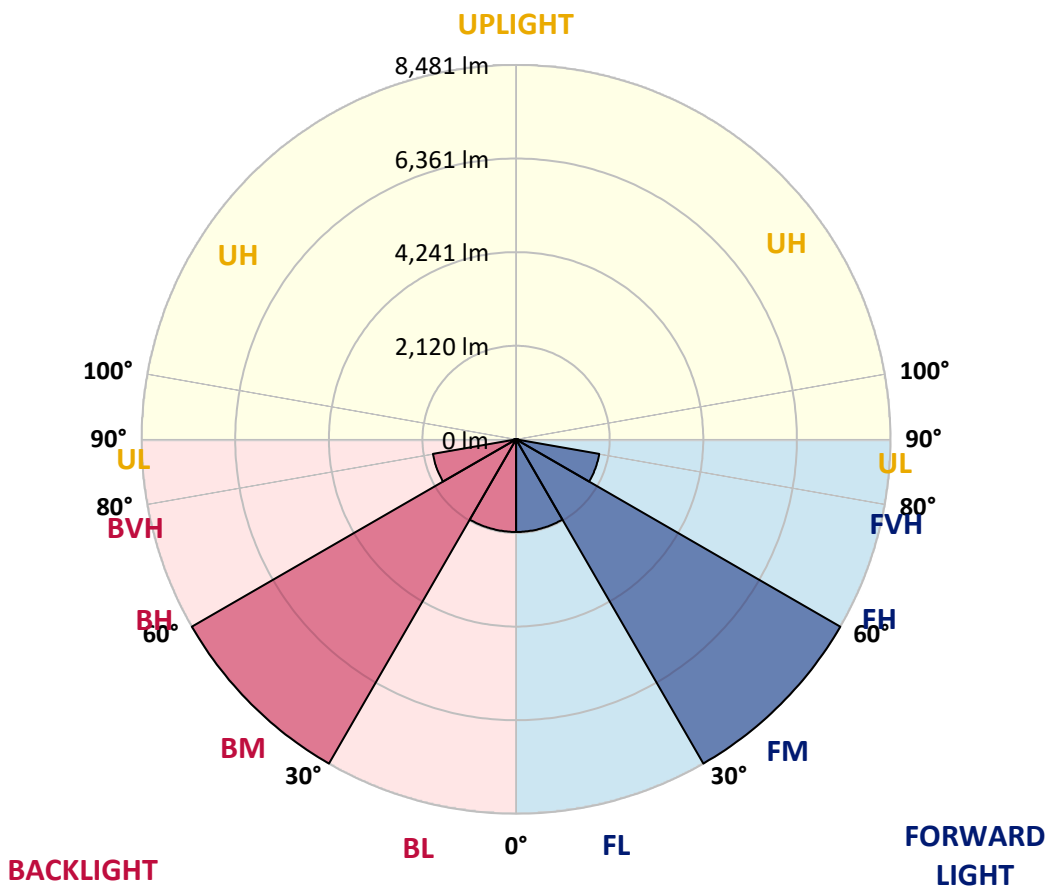
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2097.8	8.4			
FM (30°-60°)	8481.3	33.8			
FH (60°-80°)	1912.3	7.6			G2/5000
FVH (80°-90°)	50.2	0.2			G1/100
BL (0°-30°)	2097.8	8.4	B3/2500		
BM (30°-60°)	8481.3	33.8	B4/8500		
BH (60°-80°)	1912.3	7.6	B3/2500		G2/5000
BVH (80°-90°)	50.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4	4799.4
2.5°	4770.6	4770.6	4780.9	4791.2	4795.3	4813.8	4811.7	4805.5	4801.4	4789.1	4805.5
5°	4780.9	4780.9	4789.1	4795.3	4793.2	4807.6	4801.4	4791.2	4785.0	4772.7	4791.2
7.5°	4778.8	4778.8	4785.0	4791.2	4787.1	4799.4	4789.1	4774.7	4764.5	4752.1	4768.6
10°	4752.1	4756.3	4762.4	4776.8	4783.0	4801.4	4787.1	4764.5	4748.0	4733.7	4750.1
12.5°	4748.0	4752.1	4760.4	4778.8	4789.1	4815.8	4797.3	4760.4	4735.7	4717.2	4733.7
15°	4766.5	4770.6	4783.0	4805.5	4822.0	4850.7	4824.0	4772.7	4737.8	4713.1	4727.5
17.5°	4789.1	4795.3	4813.8	4846.6	4873.3	4904.1	4871.3	4809.7	4760.4	4727.5	4739.8
20°	4813.8	4822.0	4850.7	4900.0	4949.3	4988.3	4947.2	4865.1	4805.5	4762.4	4774.7
22.5°	4856.9	4867.2	4904.1	4973.9	5047.9	5105.4	5054.0	4943.1	4865.1	4809.7	4819.9
25°	4945.2	4957.5	5004.7	5088.9	5193.7	5263.5	5191.6	5066.4	4957.5	4889.7	4900.0
27.5°	5101.3	5107.4	5169.0	5279.9	5409.3	5489.4	5403.2	5255.3	5134.1	5056.1	5064.3
30°	5306.6	5325.1	5386.7	5532.5	5686.6	5793.4	5680.4	5505.8	5366.2	5271.7	5279.9
32.5°	5557.2	5569.5	5661.9	5813.9	6035.7	6158.9	6004.9	5797.5	5629.1	5514.1	5522.3
35°	5885.8	5896.0	5984.3	6177.4	6446.4	6561.4	6384.8	6146.6	5951.5	5842.6	5873.4
37.5°	6278.0	6296.5	6360.2	6551.1	6851.0	6963.9	6760.6	6538.8	6335.5	6234.9	6257.5
40°	6699.0	6697.0	6748.3	6916.7	7189.8	7259.7	7076.9	6900.3	6725.7	6660.0	6697.0
42.5°	7060.5	7050.2	7087.2	7226.8	7415.7	7421.9	7300.7	7202.2	7078.9	7033.8	7068.7
45°	7313.1	7317.2	7372.6	7469.1	7565.7	7514.3	7477.3	7460.9	7364.4	7302.8	7308.9
47.5°	7512.3	7528.7	7617.0	7682.7	7695.0	7608.8	7660.1	7684.8	7604.7	7510.2	7483.5
50°	7688.9	7715.6	7830.6	7900.4	7873.7	7764.9	7865.5	7902.5	7725.8	7545.1	7491.7
52.5°	8009.2	8040.0	8179.7	8270.1	8239.2	8130.4	8224.9	8093.4	7795.7	7573.9	7506.1
55°	8520.6	8535.0	8705.4	8853.3	8838.9	8705.4	8629.4	8337.8	7976.4	7746.4	7682.7
57.5°	8411.8	8436.4	8732.1	9126.4	9348.2	9227.1	8781.4	8284.4	7793.6	7516.4	7430.1
60°	6618.9	6678.5	7046.1	7740.2	8553.5	8551.4	7723.8	6951.6	6360.2	5992.6	5955.6
62.5°	3865.0	3906.0	4240.8	4943.1	5672.2	5717.4	5136.2	4606.3	4088.8	3840.3	3721.2
65°	1829.8	1827.7	1961.2	2277.5	2770.4	2809.4	2634.8	2345.3	2039.3	1955.1	1932.5
67.5°	1351.3	1351.3	1341.0	1363.6	1458.1	1478.6	1458.1	1410.9	1382.1	1400.6	1388.3
70°	1172.6	1174.7	1162.4	1156.2	1156.2	1150.0	1158.3	1176.7	1189.1	1213.7	1201.4
72.5°	950.8	952.9	952.9	954.9	957.0	948.8	961.1	971.4	973.4	981.6	973.4
75°	675.7	679.8	692.1	702.3	710.6	710.6	714.7	716.7	708.5	718.8	702.3
77.5°	371.7	375.8	398.4	416.9	435.4	437.4	443.6	447.7	443.6	451.8	439.5
80°	205.4	209.5	219.7	228.0	242.3	254.7	262.9	267.0	267.0	273.1	267.0
82.5°	117.1	121.2	127.3	131.4	143.8	154.0	162.2	168.4	168.4	170.5	166.3
85°	55.4	55.4	59.6	63.7	69.8	73.9	84.2	90.4	90.4	94.5	90.4
87.5°	8.2	10.3	12.3	12.3	16.4	20.5	24.6	26.7	30.8	32.9	32.9
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)