

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: P642692

Luminaire Tested: GWS-SA6D-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32474.3 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
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

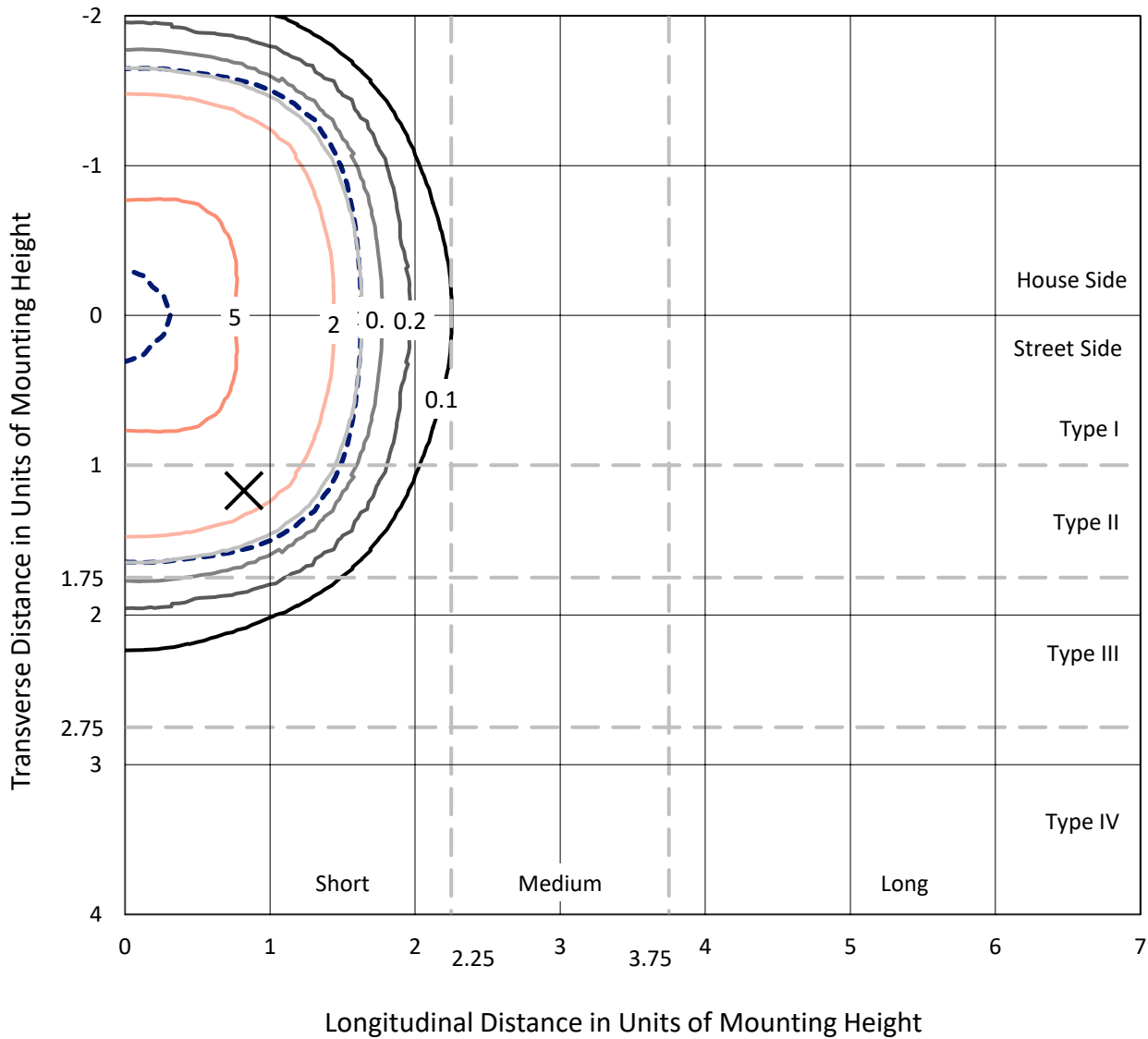


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### Iso-Footcandle Lines of Horizontal Illumination

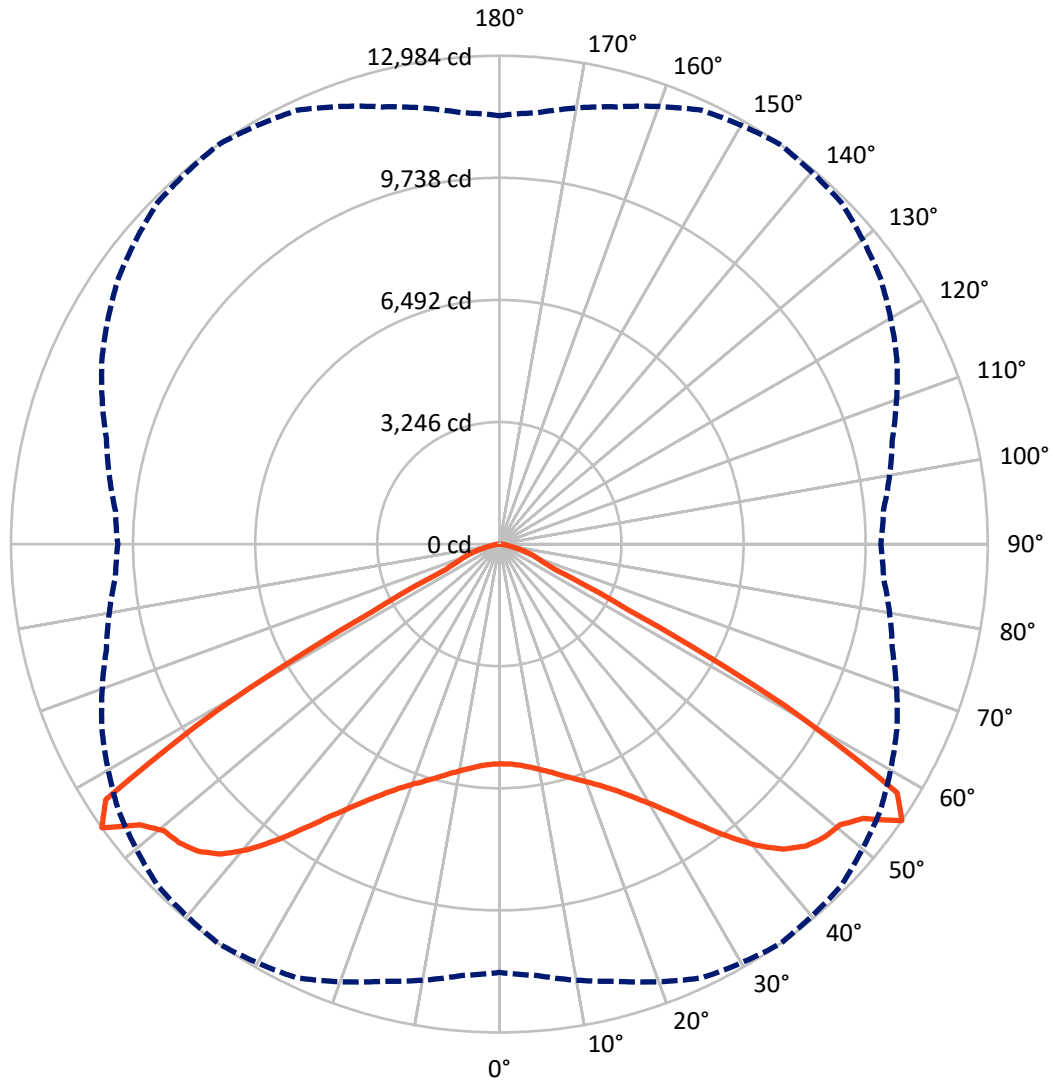
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16237.1	0.0	16237.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16237.1	0.0	16237.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32474.3	0.0	32474.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	569.8	1.8
10°-20°	1814.2	5.6
20°-30°	3357.8	10.3
30°-40°	5616.9	17.3
40°-50°	8559.2	26.4
50°-60°	9588.1	29.5
60°-70°	2268.6	7.0
70°-80°	611.6	1.9
80°-90°	88.0	0.3
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°	32474.3	100.0
0°-180°	32474.3	100.0

**Coefficient of Utilization**



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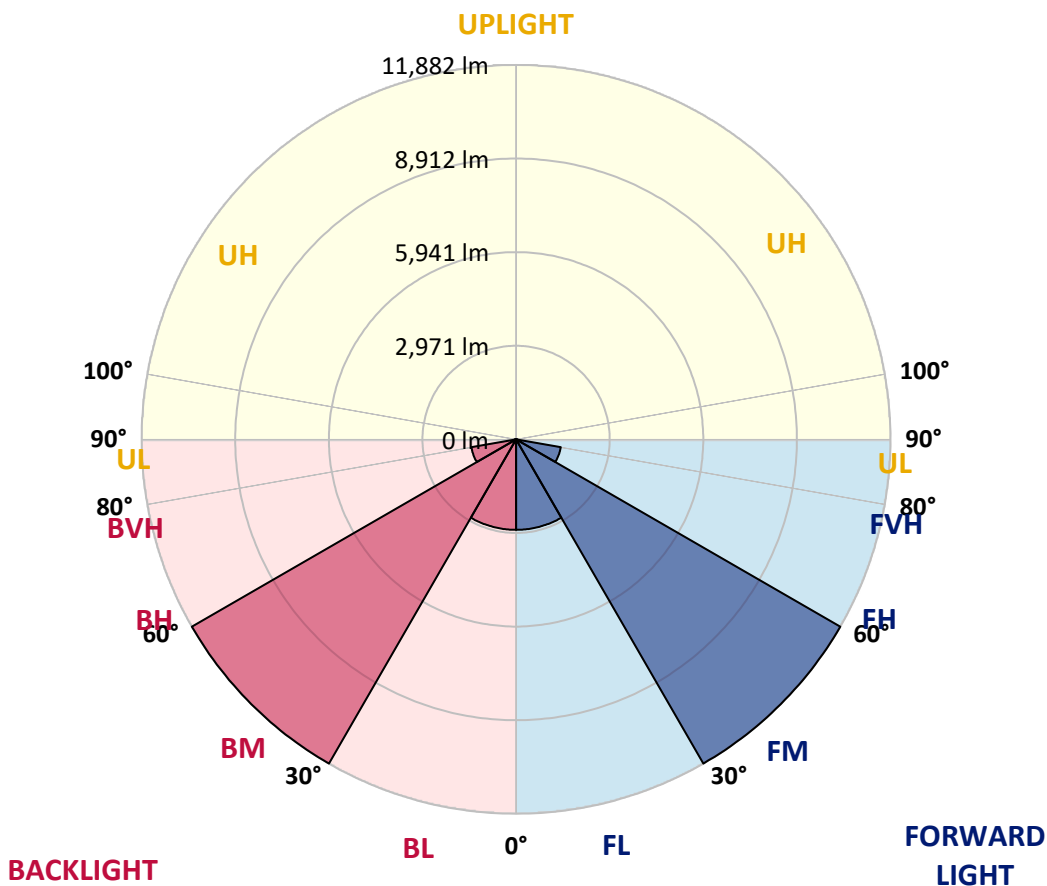
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2870.9	8.8			
FM (30°-60°)	11882.1	36.6			
FH (60°-80°)	1440.1	4.4			G1/1800
FVH (80°-90°)	44.0	0.1			G1/100
BL (0°-30°)	2870.9	8.8	B4/5000		
BM (30°-60°)	11882.1	36.6	B5		
BH (60°-80°)	1440.1	4.4	B3/2500		G1/1800
BVH (80°-90°)	44.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2	5842.2
2.5°	5829.4	5829.4	5839.6	5852.5	5855.1	5880.7	5875.6	5865.3	5860.2	5849.9	5873.0
5°	5893.6	5896.1	5903.8	5911.5	5906.4	5927.0	5919.3	5906.4	5898.7	5885.9	5909.0
7.5°	5978.3	5978.3	5986.0	5996.3	5991.2	6022.0	6006.6	5988.6	5975.8	5960.3	5980.9
10°	6055.4	6060.5	6068.2	6088.7	6099.0	6132.4	6122.1	6096.4	6075.9	6057.9	6081.0
12.5°	6170.9	6176.1	6183.8	6212.0	6230.0	6263.4	6248.0	6212.0	6181.2	6155.5	6181.2
15°	6319.9	6314.7	6335.3	6371.2	6394.3	6425.2	6407.2	6345.5	6304.5	6271.1	6296.8
17.5°	6471.4	6468.8	6489.4	6535.6	6569.0	6610.0	6579.2	6507.3	6463.7	6422.6	6448.3
20°	6635.7	6643.4	6664.0	6707.6	6756.4	6810.4	6784.7	6707.6	6658.8	6612.6	6633.2
22.5°	6838.6	6841.2	6864.3	6920.8	6985.0	7036.3	7020.9	6925.9	6864.3	6815.5	6841.2
25°	7082.6	7080.0	7110.8	7177.6	7267.5	7318.8	7285.4	7180.1	7113.4	7056.9	7077.4
27.5°	7362.5	7359.9	7406.1	7493.4	7621.8	7693.7	7624.4	7493.4	7401.0	7321.4	7339.4
30°	7714.3	7706.6	7757.9	7876.1	8043.0	8163.7	8061.0	7878.6	7757.9	7673.2	7691.2
32.5°	8104.6	8114.9	8179.1	8338.3	8548.9	8705.5	8551.5	8348.6	8186.8	8063.5	8084.1
35°	8533.5	8533.5	8664.5	8862.2	9162.6	9370.7	9131.8	8839.1	8623.4	8453.9	8459.0
37.5°	9011.1	9016.3	9188.3	9460.5	9853.4	10097.4	9773.8	9411.7	9149.8	8967.5	8957.2
40°	9594.1	9609.5	9786.7	10089.7	10531.4	10754.8	10408.1	10053.7	9786.7	9571.0	9550.4
42.5°	10251.5	10256.6	10444.1	10716.3	11088.7	11222.2	10950.0	10659.8	10441.5	10246.3	10225.8
45°	10878.1	10865.2	11027.0	11229.9	11445.6	11458.4	11306.9	11188.8	10998.8	10831.8	10801.0
47.5°	11366.0	11355.7	11502.1	11612.5	11638.2	11512.4	11561.2	11579.1	11358.3	11132.3	11073.2
50°	11663.9	11684.4	11823.1	11884.7	11733.2	11527.8	11712.7	11666.5	11350.6	11055.3	10960.2
52.5°	11843.6	11874.5	12115.9	12272.5	12115.9	11920.7	11946.4	11674.2	11219.6	10829.3	10706.0
55°	11389.1	11512.4	12033.7	12727.0	12983.8	12847.7	12359.8	11658.7	10816.4	10248.9	10143.6
57.5°	8441.0	8636.2	9409.2	10911.5	12472.8	12968.4	11543.2	9773.8	8497.5	7768.2	7706.6
60°	4309.1	4527.4	5146.3	6689.7	8697.8	9396.3	8040.4	6258.2	4974.2	4383.6	4316.8
62.5°	1759.1	1795.0	1997.9	2593.7	3844.3	4434.9	3895.7	2734.9	2054.4	1892.6	1895.2
65°	1384.2	1391.9	1381.6	1417.5	1610.1	1787.3	1651.2	1450.9	1415.0	1432.9	1420.1
67.5°	1207.0	1209.5	1201.8	1201.8	1209.5	1201.8	1217.2	1224.9	1230.1	1250.6	1237.8
70°	1009.2	1011.8	1011.8	1016.9	1014.4	1001.5	1024.6	1034.9	1037.5	1050.3	1042.6
72.5°	780.7	788.4	793.5	796.1	793.5	785.8	798.6	816.6	814.1	826.9	814.1
75°	529.0	539.3	544.4	554.7	552.1	552.1	567.5	575.2	567.5	577.8	567.5
77.5°	300.5	308.2	323.6	333.8	344.1	351.8	362.1	367.2	364.7	369.8	364.7
80°	174.6	177.2	190.0	195.2	208.0	220.8	231.1	236.3	238.8	241.4	238.8
82.5°	100.2	102.7	107.9	113.0	123.3	133.5	143.8	151.5	151.5	154.1	151.5
85°	48.8	48.8	51.4	53.9	59.1	66.8	74.5	82.2	84.7	84.7	84.7
87.5°	7.7	7.7	10.3	10.3	12.8	15.4	20.5	25.7	28.2	28.2	28.2
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)