

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: P643627

Luminaire Tested: GWS-SA6F-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643627  
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-SA6F-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

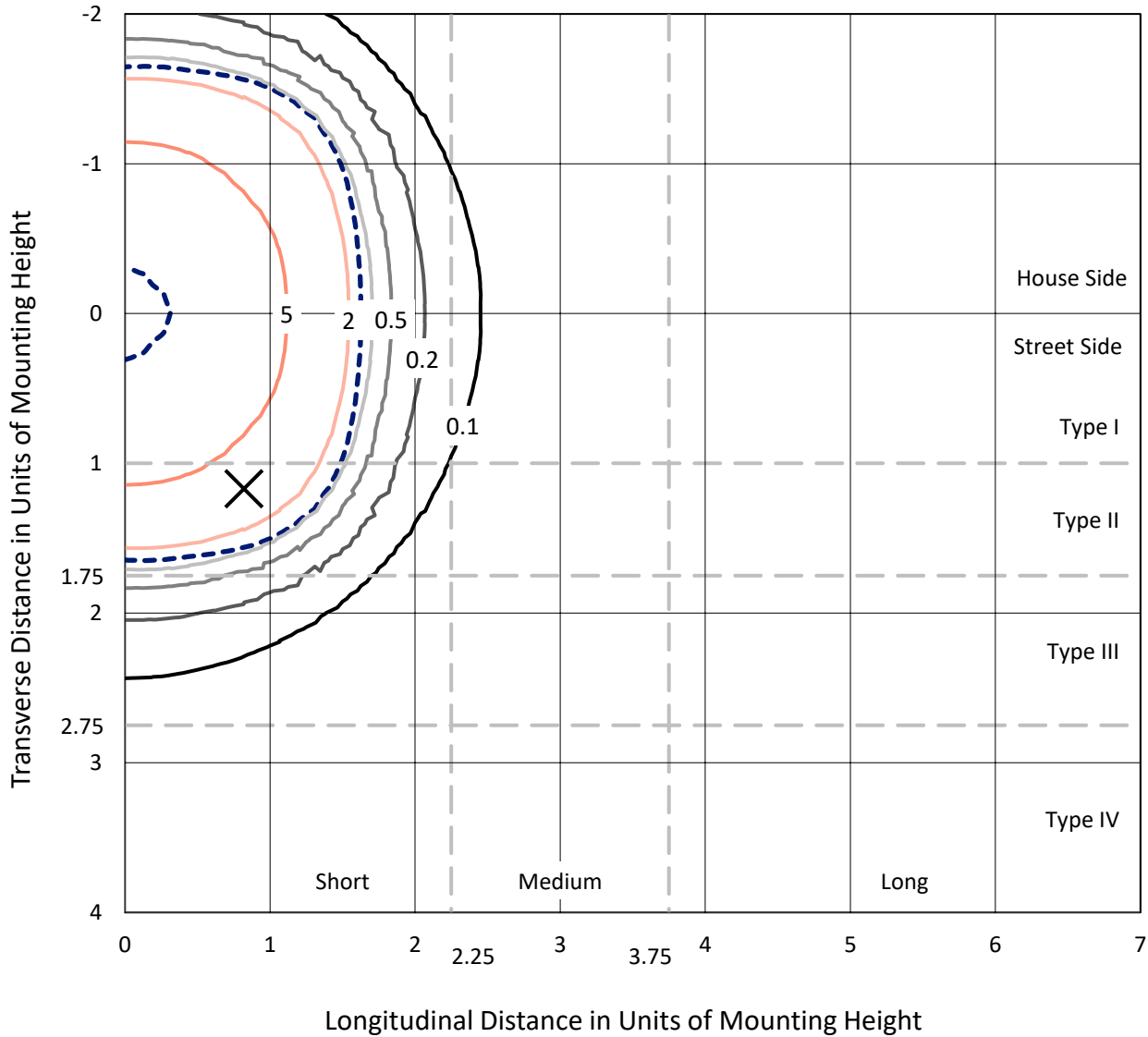
Lumens per Lamp: N/A  
Luminaire Lumens: 44500.9 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

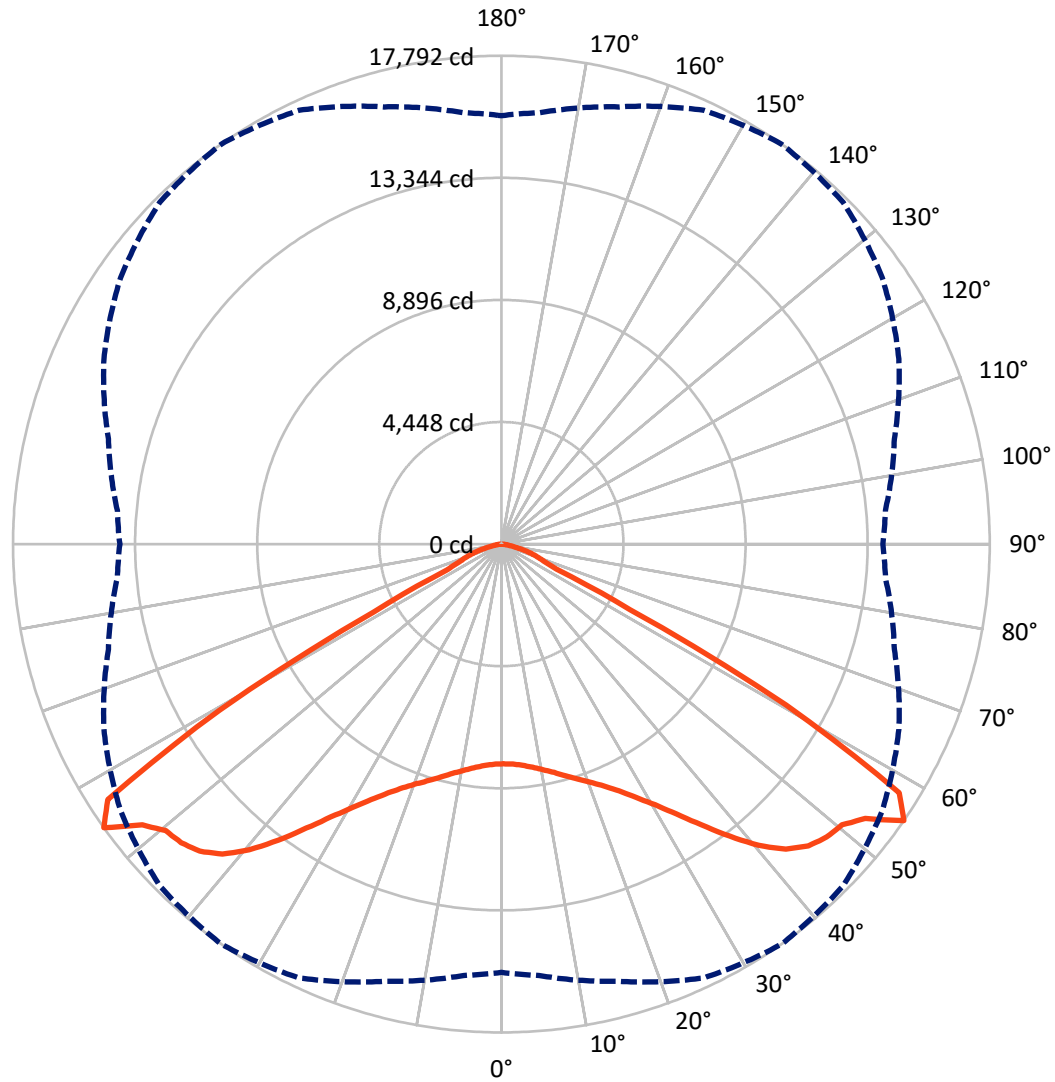
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.9 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	22250.4	0.0	22250.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22250.4	0.0	22250.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44500.9	0.0	44500.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.9	1.8
10°-20°	2486.1	5.6
20°-30°	4601.3	10.3
30°-40°	7697.1	17.3
40°-50°	11729.0	26.4
50°-60°	13139.0	29.5
60°-70°	3108.8	7.0
70°-80°	838.1	1.9
80°-90°	120.6	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°	44500.9	100.0
0°-180°	44500.9	100.0

**Coefficient of Utilization**



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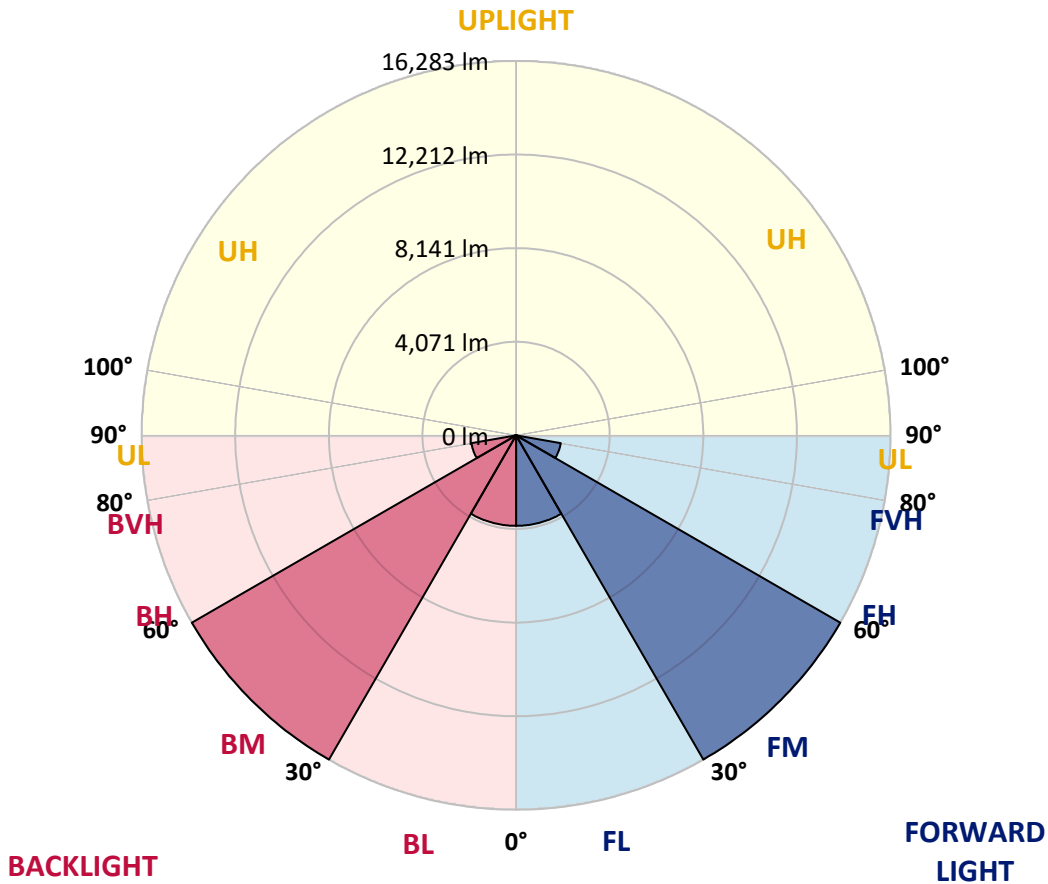
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3934.1	8.8			
FM (30°-60°)	16282.5	36.6			
FH (60°-80°)	1973.5	4.4			G2/5000
FVH (80°-90°)	60.3	0.1			G1/100
BL (0°-30°)	3934.1	8.8	B4/5000		
BM (30°-60°)	16282.5	36.6	B5		
BH (60°-80°)	1973.5	4.4	B3/2500		G2/5000
BVH (80°-90°)	60.3	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8	8005.8
2.5°	7988.2	7988.2	8002.3	8019.9	8023.4	8058.6	8051.6	8037.5	8030.5	8016.4	8048.1
5°	8076.2	8079.7	8090.3	8100.8	8093.8	8122.0	8111.4	8093.8	8083.3	8065.7	8097.3
7.5°	8192.3	8192.3	8202.9	8217.0	8209.9	8252.2	8231.1	8206.4	8188.8	8167.7	8195.9
10°	8297.9	8305.0	8315.5	8343.7	8357.7	8403.5	8389.4	8354.2	8326.1	8301.4	8333.1
12.5°	8456.3	8463.3	8473.9	8512.6	8537.2	8583.0	8561.8	8512.6	8470.3	8435.2	8470.3
15°	8660.4	8653.3	8681.5	8730.8	8762.4	8804.7	8780.0	8695.6	8639.3	8593.5	8628.7
17.5°	8868.0	8864.5	8892.6	8956.0	9001.7	9058.0	9015.8	8917.3	8857.4	8801.1	8836.3
20°	9093.2	9103.8	9131.9	9191.8	9258.6	9332.5	9297.3	9191.8	9124.9	9061.5	9089.7
22.5°	9371.2	9374.7	9406.4	9483.8	9571.8	9642.2	9621.1	9490.9	9406.4	9339.6	9374.7
25°	9705.5	9702.0	9744.2	9835.7	9958.9	10029.3	9983.5	9839.3	9747.8	9670.3	9698.5
27.5°	10089.1	10085.6	10148.9	10268.6	10444.5	10543.1	10448.0	10268.6	10141.9	10032.8	10057.4
30°	10571.2	10560.7	10631.0	10792.9	11021.7	11187.0	11046.3	10796.4	10631.0	10514.9	10539.5
32.5°	11106.1	11120.2	11208.2	11426.3	11714.9	11929.6	11718.4	11440.4	11218.7	11049.8	11078.0
35°	11693.8	11693.8	11873.3	12144.2	12556.0	12841.0	12513.7	12112.6	11817.0	11584.7	11591.7
37.5°	12348.3	12355.4	12591.1	12964.2	13502.6	13836.9	13393.5	12897.3	12538.4	12288.5	12274.4
40°	13147.2	13168.3	13411.1	13826.3	14431.6	14737.8	14262.7	13777.1	13411.1	13115.5	13087.3
42.5°	14048.0	14055.1	14312.0	14685.0	15195.2	15378.2	15005.2	14607.6	14308.4	14041.0	14012.8
45°	14906.7	14889.1	15110.8	15388.8	15684.4	15702.0	15494.4	15332.5	15072.1	14843.3	14801.1
47.5°	15575.3	15561.2	15761.8	15913.1	15948.3	15775.9	15842.7	15867.4	15564.7	15255.1	15174.1
50°	15983.5	16011.7	16201.7	16286.1	16078.5	15797.0	16050.4	15987.0	15554.2	15149.5	15019.3
52.5°	16229.8	16272.1	16602.9	16817.5	16602.9	16335.4	16370.6	15997.6	15374.7	14839.8	14670.9
55°	15607.0	15775.9	16490.3	17440.4	17792.3	17605.8	16937.2	15976.5	14822.2	14044.5	13900.2
57.5°	11567.1	11834.6	12893.8	14952.4	17092.0	17771.2	15818.1	13393.5	11644.5	10645.1	10560.7
60°	5905.0	6204.1	7052.2	9167.1	11919.0	12876.2	11018.1	8575.9	6816.4	6007.0	5915.5
62.5°	2410.5	2459.8	2737.8	3554.2	5268.0	6077.4	5338.4	3747.8	2815.2	2593.5	2597.1
65°	1896.8	1907.3	1893.2	1942.5	2206.4	2449.3	2262.7	1988.3	1939.0	1963.6	1946.0
67.5°	1654.0	1657.5	1646.9	1646.9	1657.5	1646.9	1668.0	1678.6	1685.6	1713.8	1696.2
70°	1383.0	1386.5	1386.5	1393.5	1390.0	1372.4	1404.1	1418.2	1421.7	1439.3	1428.7
72.5°	1069.8	1080.3	1087.4	1090.9	1087.4	1076.8	1094.4	1119.1	1115.5	1133.1	1115.5
75°	724.9	739.0	746.0	760.1	756.6	756.6	777.7	788.3	777.7	791.8	777.7
77.5°	411.7	422.3	443.4	457.5	471.6	482.1	496.2	503.2	499.7	506.7	499.7
80°	239.3	242.8	260.4	267.4	285.0	302.6	316.7	323.8	327.3	330.8	327.3
82.5°	137.2	140.8	147.8	154.8	168.9	183.0	197.1	207.6	207.6	211.1	207.6
85°	66.9	66.9	70.4	73.9	80.9	91.5	102.1	112.6	116.1	116.1	116.1
87.5°	10.6	10.6	14.1	14.1	17.6	21.1	28.2	35.2	38.7	38.7	38.7
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)