

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: P643681

Luminaire Tested: GWS-SA6F-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35022.2 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

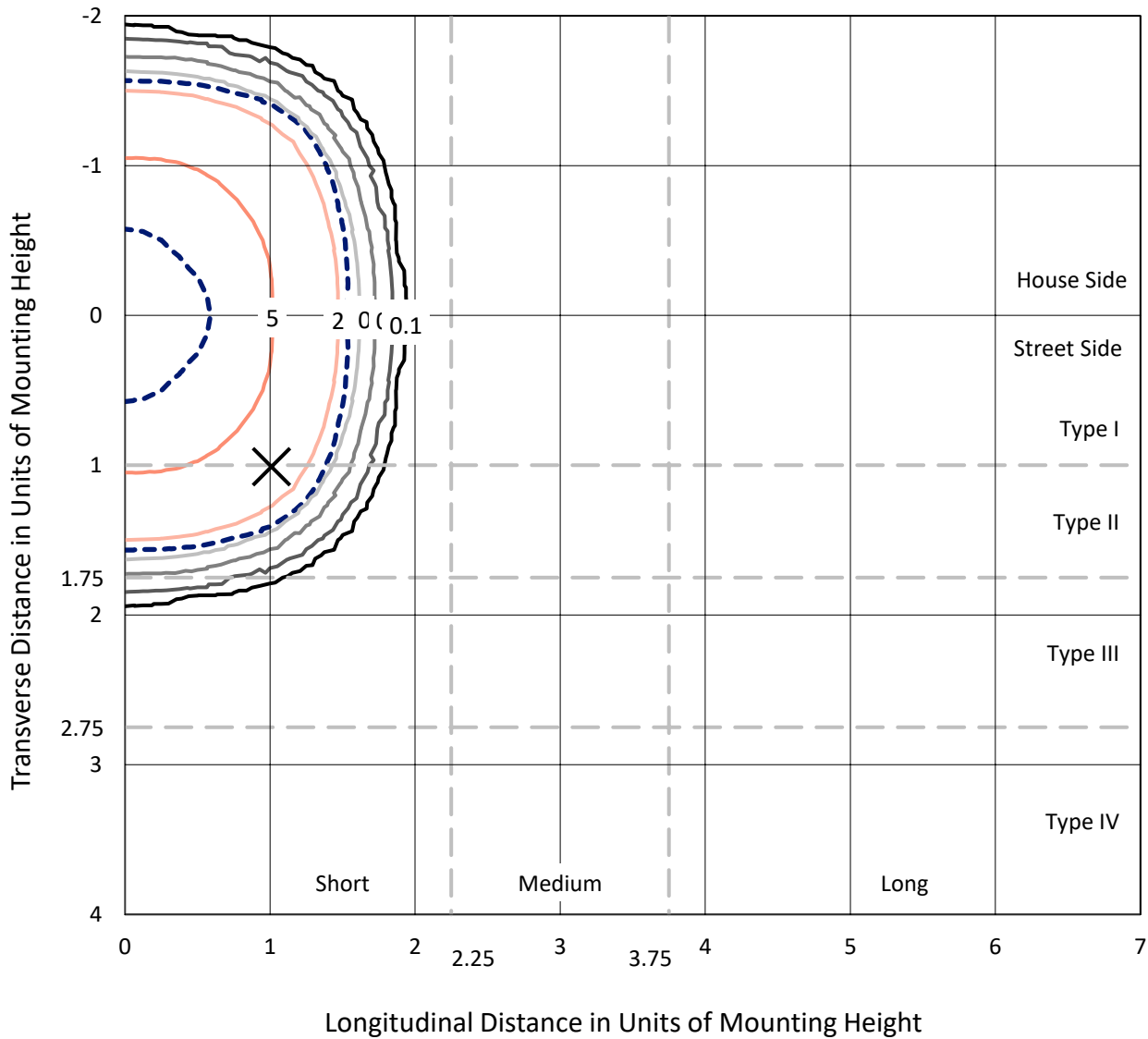
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

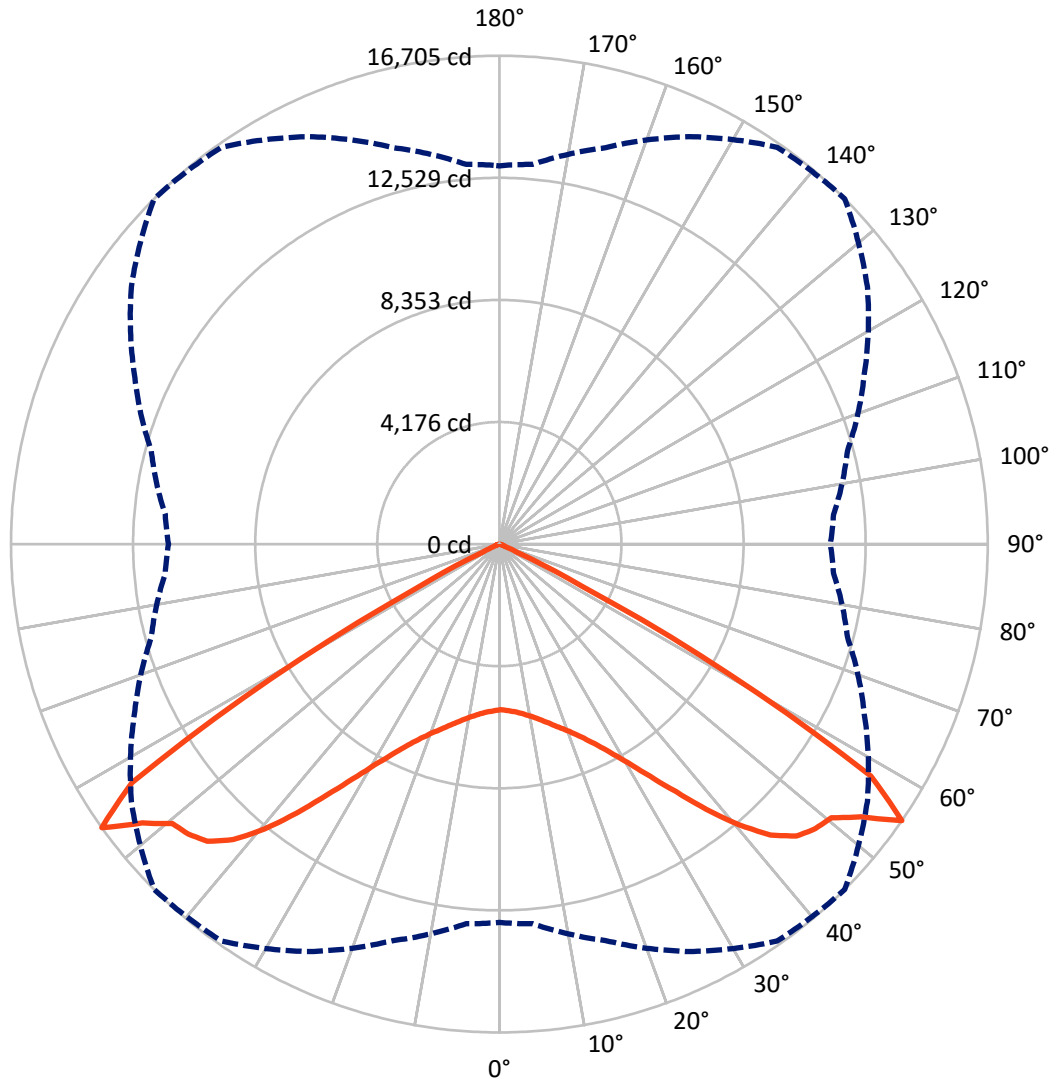
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17511.1	0.0	17511.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17511.1	0.0	17511.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	35022.2	0.0	35022.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.8	1.6
10°-20°	1798.4	5.1
20°-30°	3482.8	9.9
30°-40°	6239.6	17.8
40°-50°	10461.2	29.9
50°-60°	11198.2	32.0
60°-70°	1230.5	3.5
70°-80°	54.2	0.2
80°-90°	2.5	0.0
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°	35022.2	100.0
0°-180°	35022.2	100.0

Coefficient of Utilization



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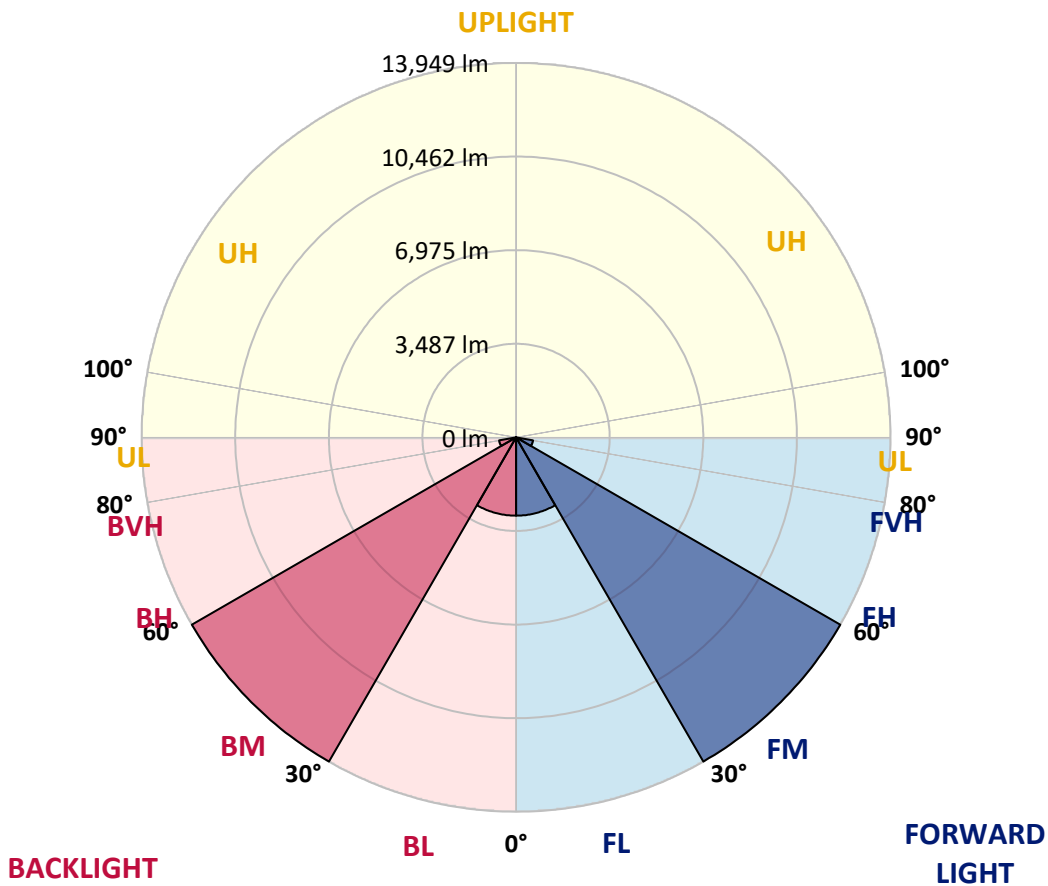
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2918.0	8.3			
FM (30°-60°)	13949.5	39.8			
FH (60°-80°)	642.4	1.8			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	2918.0	8.3	B4/5000		
BM (30°-60°)	13949.5	39.8	B5		
BH (60°-80°)	642.4	1.8	B2/1000		G0/660
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4	5662.4
2.5°	5651.7	5651.7	5666.0	5676.7	5676.7	5705.2	5694.5	5683.8	5683.8	5669.6	5698.1
5°	5733.8	5730.2	5744.5	5751.6	5737.3	5765.9	5748.0	5737.3	5730.2	5715.9	5744.5
7.5°	5823.0	5826.5	5830.1	5844.4	5837.2	5865.8	5851.5	5830.1	5823.0	5801.6	5830.1
10°	5930.0	5930.0	5937.2	5955.0	5958.6	5994.2	5980.0	5955.0	5933.6	5912.2	5940.7
12.5°	6065.6	6069.2	6079.9	6104.8	6119.1	6158.4	6137.0	6087.0	6054.9	6029.9	6062.0
15°	6261.8	6258.3	6272.5	6308.2	6326.1	6354.6	6322.5	6254.7	6215.5	6186.9	6208.3
17.5°	6475.9	6475.9	6483.1	6518.7	6543.7	6586.5	6547.3	6465.2	6429.5	6390.3	6411.7
20°	6711.4	6722.1	6729.2	6754.2	6797.0	6839.9	6807.7	6725.7	6686.4	6636.5	6661.5
22.5°	7021.8	7011.1	7014.7	7057.5	7118.2	7161.0	7136.0	7039.7	6971.9	6932.6	6946.9
25°	7367.9	7364.4	7375.1	7439.3	7507.1	7553.5	7517.8	7392.9	7325.1	7257.3	7285.9
27.5°	7792.5	7796.1	7803.2	7881.7	7988.8	8056.5	7967.3	7842.5	7749.7	7660.5	7681.9
30°	8295.6	8288.5	8309.9	8416.9	8573.9	8680.9	8577.5	8402.6	8270.6	8185.0	8195.7
32.5°	8830.8	8837.9	8895.0	9066.3	9273.2	9462.3	9251.8	9019.9	8848.6	8688.1	8709.5
35°	9408.8	9426.7	9555.1	9808.4	10147.4	10400.7	10108.1	9726.4	9483.7	9276.8	9283.9
37.5°	10090.3	10133.1	10311.5	10689.7	11175.0	11513.9	11085.8	10579.1	10265.1	10008.2	9990.4
40°	10985.9	11035.8	11278.4	11728.0	12316.7	12627.1	12131.2	11610.3	11221.4	10943.1	10900.2
42.5°	12013.5	12077.7	12341.7	12802.0	13390.7	13601.2	13116.0	12677.1	12327.4	11999.2	11984.9
45°	13173.1	13208.7	13422.8	13776.0	14200.6	14250.6	13886.7	13644.0	13290.8	12983.9	12959.0
47.5°	14261.3	14297.0	14443.3	14625.2	14725.1	14546.7	14482.5	14375.5	13918.8	13540.6	13462.1
50°	15089.1	15117.6	15299.6	15370.9	15092.6	14714.4	14839.3	14611.0	14115.0	13690.4	13569.1
52.5°	15032.0	15103.3	15570.7	15977.5	15802.7	15495.8	15160.4	14668.0	13897.4	13315.8	13165.9
55°	12941.1	13037.5	14040.1	15378.1	16573.4	16705.4	15363.8	13776.0	12327.4	11474.7	11321.3
57.5°	8317.0	8342.0	9565.8	11442.6	14136.4	14985.6	12741.3	10386.4	8584.6	7646.2	7582.0
60°	3057.8	3007.8	3931.9	5487.6	8142.2	9041.3	7499.9	5252.1	3746.4	3082.8	3029.2
62.5°	735.0	742.1	920.5	1380.8	2554.7	3161.2	2497.6	1395.1	888.4	745.7	738.6
65°	371.1	363.9	367.5	396.0	545.9	652.9	535.2	378.2	363.9	367.5	363.9
67.5°	239.1	235.5	242.6	246.2	242.6	228.4	224.8	231.9	231.9	235.5	228.4
70°	146.3	142.7	149.9	160.6	153.4	135.6	142.7	149.9	142.7	139.2	139.2
72.5°	78.5	78.5	85.6	92.8	85.6	78.5	78.5	82.1	78.5	78.5	78.5
75°	35.7	35.7	39.2	42.8	35.7	35.7	35.7	35.7	35.7	35.7	35.7
77.5°	10.7	10.7	14.3	14.3	10.7	10.7	10.7	10.7	14.3	14.3	14.3
80°	3.6	7.1	7.1	3.6	3.6	3.6	3.6	3.6	7.1	7.1	7.1
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
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)