

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: P641314

Luminaire Tested: GWS-SA5F-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641314
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-SA5F-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36870.7 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 310.3
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

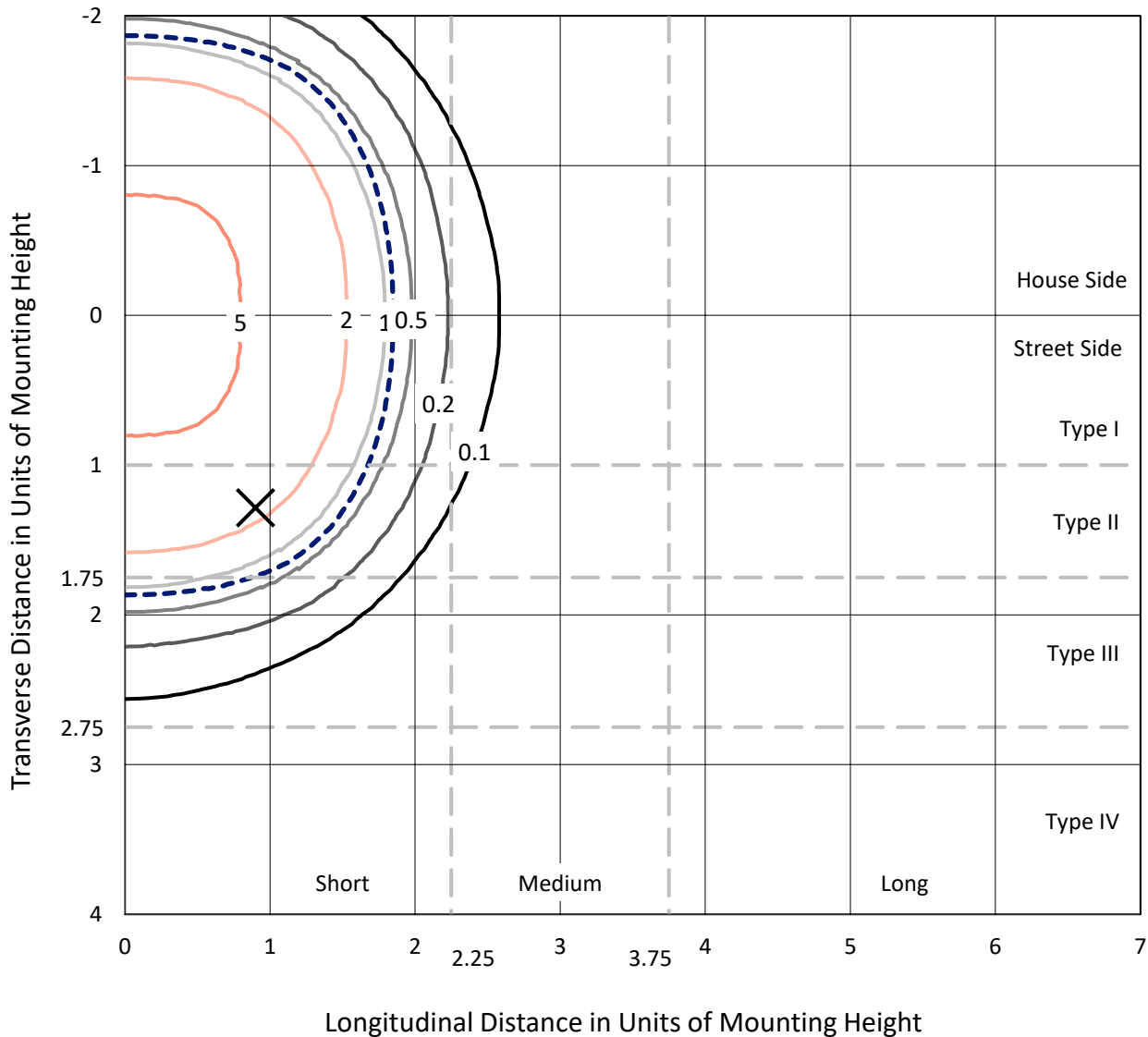


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Iso-Footcandle Lines of Horizontal Illumination

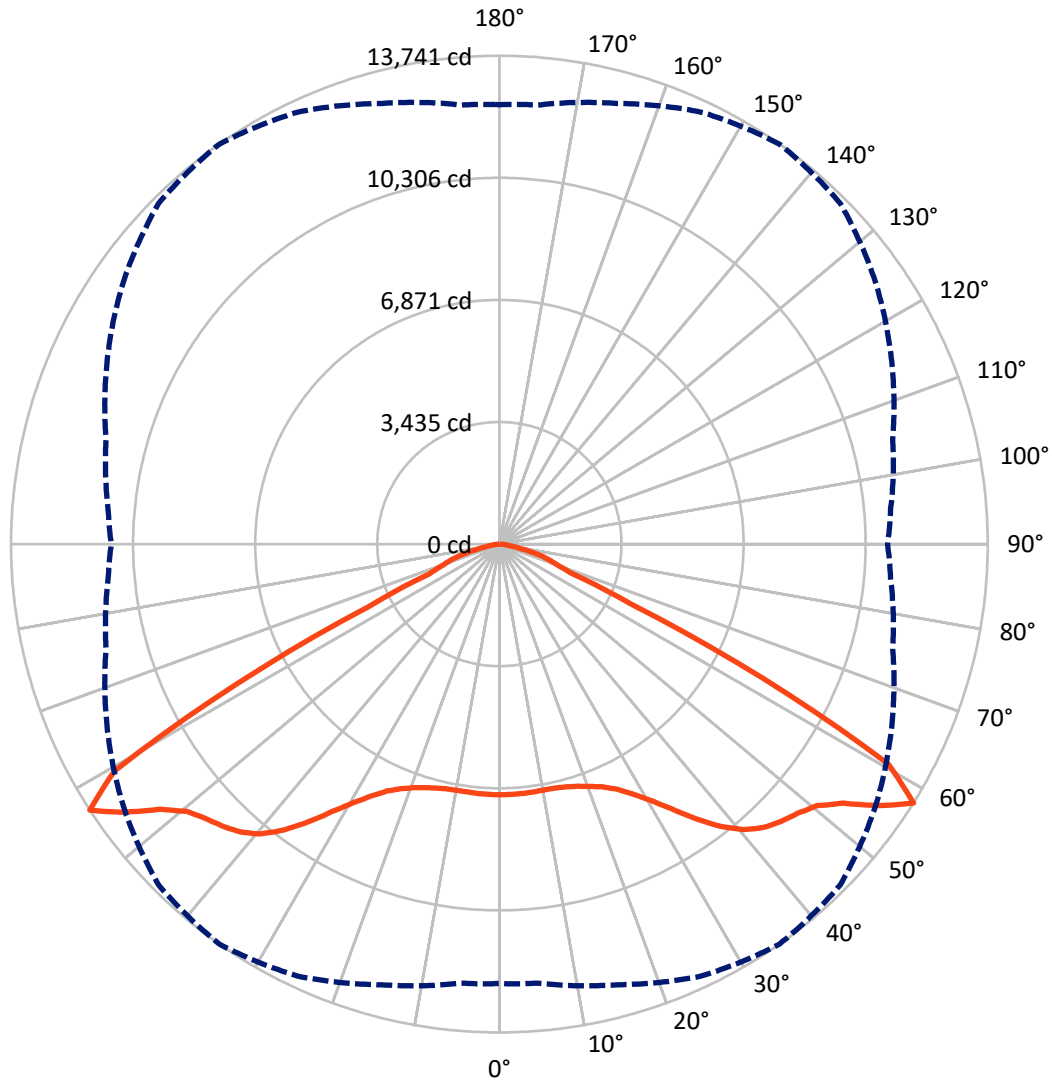
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.8 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
House Side	Lumens	18435.3	0.0	18435.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18435.3	0.0	18435.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	36870.7	0.0	36870.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.1	1.8
10°-20°	2002.4	5.4
20°-30°	3493.7	9.5
30°-40°	5729.0	15.5
40°-50°	8437.4	22.9
50°-60°	10767.6	29.2
60°-70°	4537.9	12.3
70°-80°	1084.0	2.9
80°-90°	147.5	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°	36870.7	100.0
0°-180°	36870.7	100.0

Coefficient of Utilization



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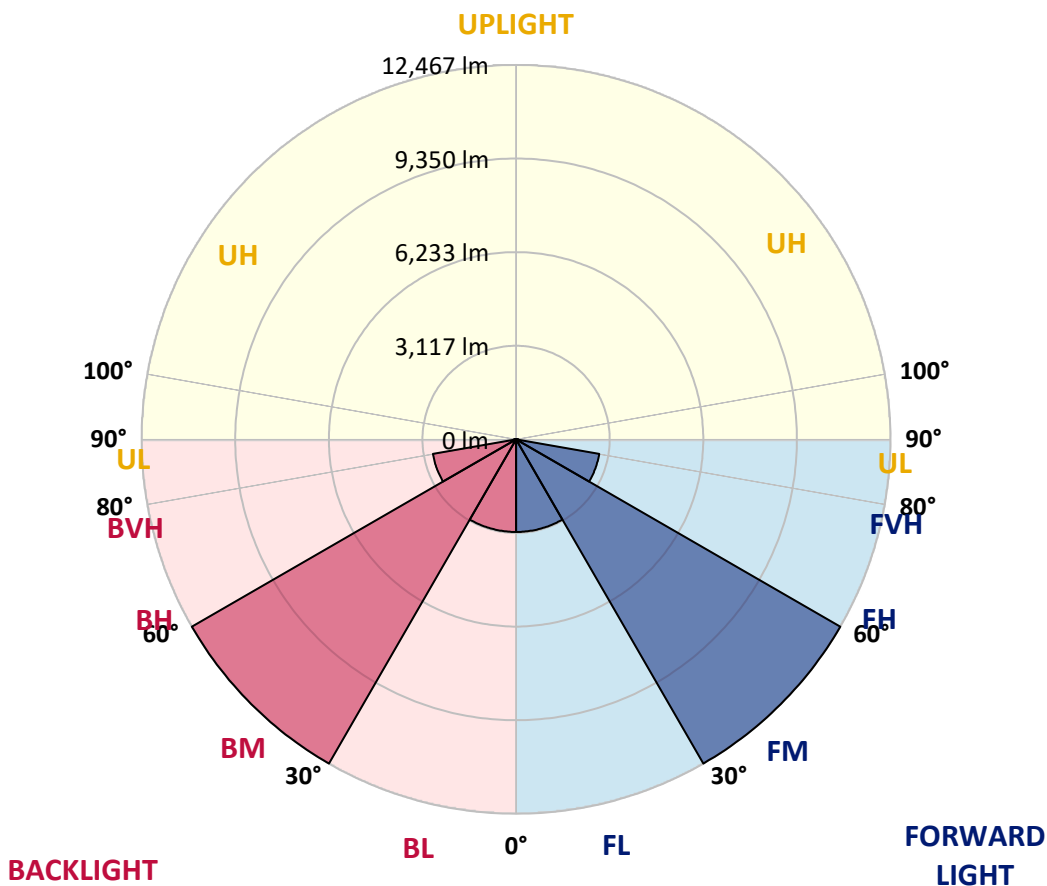
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3083.6	8.4			
FM (30°-60°)	12467.0	33.8			
FH (60°-80°)	2811.0	7.6			G2/5000
FVH (80°-90°)	73.8	0.2			G1/100
BL (0°-30°)	3083.6	8.4	B4/5000		
BM (30°-60°)	12467.0	33.8	B5		
BH (60°-80°)	2811.0	7.6	B4/5000		G2/5000
BVH (80°-90°)	73.8	0.2			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°	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8	7054.8
2.5°	7012.5	7012.5	7027.6	7042.7	7048.7	7075.9	7072.9	7063.8	7057.8	7039.7	7063.8
5°	7027.6	7027.6	7039.7	7048.7	7045.7	7066.9	7057.8	7042.7	7033.7	7015.5	7042.7
7.5°	7024.6	7024.6	7033.7	7042.7	7036.7	7054.8	7039.7	7018.6	7003.5	6985.4	7009.5
10°	6985.4	6991.4	7000.4	7021.6	7030.6	7057.8	7036.7	7003.5	6979.3	6958.2	6982.3
12.5°	6979.3	6985.4	6997.4	7024.6	7039.7	7078.9	7051.8	6997.4	6961.2	6934.0	6958.2
15°	7006.5	7012.5	7030.6	7063.8	7088.0	7130.3	7091.0	7015.5	6964.2	6928.0	6949.1
17.5°	7039.7	7048.7	7075.9	7124.2	7163.5	7208.7	7160.4	7069.9	6997.4	6949.1	6967.2
20°	7075.9	7088.0	7130.3	7202.7	7275.2	7332.5	7272.1	7151.4	7063.8	7000.4	7018.6
22.5°	7139.3	7154.4	7208.7	7311.4	7420.1	7504.6	7429.1	7266.1	7151.4	7069.9	7085.0
25°	7269.1	7287.2	7356.7	7480.4	7634.4	7737.0	7631.4	7447.2	7287.2	7187.6	7202.7
27.5°	7498.5	7507.6	7598.2	7761.2	7951.4	8069.1	7942.3	7724.9	7546.8	7432.1	7444.2
30°	7800.4	7827.6	7918.1	8132.5	8358.9	8515.9	8349.8	8093.2	7888.0	7749.1	7761.2
32.5°	8168.7	8186.8	8322.7	8546.0	8872.1	9053.2	8826.8	8521.9	8274.4	8105.3	8117.4
35°	8651.7	8666.8	8796.6	9080.4	9475.8	9644.9	9385.3	9035.1	8748.3	8588.3	8633.6
37.5°	9228.3	9255.4	9349.0	9629.8	10070.5	10236.5	9937.7	9611.7	9312.8	9164.9	9198.1
40°	9847.1	9844.1	9919.6	10167.1	10568.6	10671.2	10402.6	10143.0	9886.4	9789.8	9844.1
42.5°	10378.4	10363.3	10417.7	10622.9	10900.7	10909.7	10731.6	10586.7	10405.6	10339.2	10390.5
45°	10749.7	10755.8	10837.3	10979.1	11121.0	11045.6	10991.2	10967.1	10825.2	10734.6	10743.7
47.5°	11042.5	11066.7	11196.5	11293.1	11311.2	11184.4	11259.9	11296.1	11178.4	11039.5	11000.3
50°	11302.1	11341.4	11510.4	11613.1	11573.8	11413.8	11561.8	11616.1	11356.5	11090.8	11012.3
52.5°	11773.1	11818.4	12023.6	12156.5	12111.2	11951.2	12090.0	11896.8	11459.1	11133.1	11033.5
55°	12524.7	12545.9	12796.4	13013.8	12992.6	12796.4	12684.7	12256.1	11724.8	11386.7	11293.1
57.5°	12364.7	12401.0	12835.7	13415.3	13741.3	13563.2	12908.1	12177.6	11456.1	11048.6	10921.8
60°	9729.4	9816.9	10357.3	11377.6	12573.0	12570.0	11353.5	10218.4	9349.0	8808.7	8754.3
62.5°	5681.3	5741.6	6233.7	7266.1	8337.7	8404.2	7549.9	6771.0	6010.3	5645.0	5469.9
65°	2689.7	2686.7	2882.9	3347.8	4072.3	4129.6	3873.0	3447.4	2997.6	2873.8	2840.6
67.5°	1986.3	1986.3	1971.2	2004.4	2143.3	2173.5	2143.3	2073.9	2031.6	2058.8	2040.7
70°	1723.7	1726.7	1708.6	1699.5	1699.5	1690.5	1702.6	1729.7	1747.8	1784.1	1766.0
72.5°	1397.7	1400.7	1400.7	1403.7	1406.7	1394.7	1412.8	1427.9	1430.9	1443.0	1430.9
75°	993.2	999.2	1017.3	1032.4	1044.5	1044.5	1050.5	1053.5	1041.5	1056.6	1032.4
77.5°	546.4	552.4	585.6	612.8	640.0	643.0	652.0	658.1	652.0	664.1	646.0
80°	301.9	307.9	323.0	335.1	356.2	374.3	386.4	392.4	392.4	401.5	392.4
82.5°	172.1	178.1	187.2	193.2	211.3	226.4	238.5	247.5	247.5	250.6	244.5
85°	81.5	81.5	87.5	93.6	102.6	108.7	123.8	132.8	132.8	138.9	132.8
87.5°	12.1	15.1	18.1	18.1	24.1	30.2	36.2	39.2	45.3	48.3	48.3
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)