

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: P638784

Luminaire Tested: GWS-SA4F-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638784
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-SA4F-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30474.1 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 225.3
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

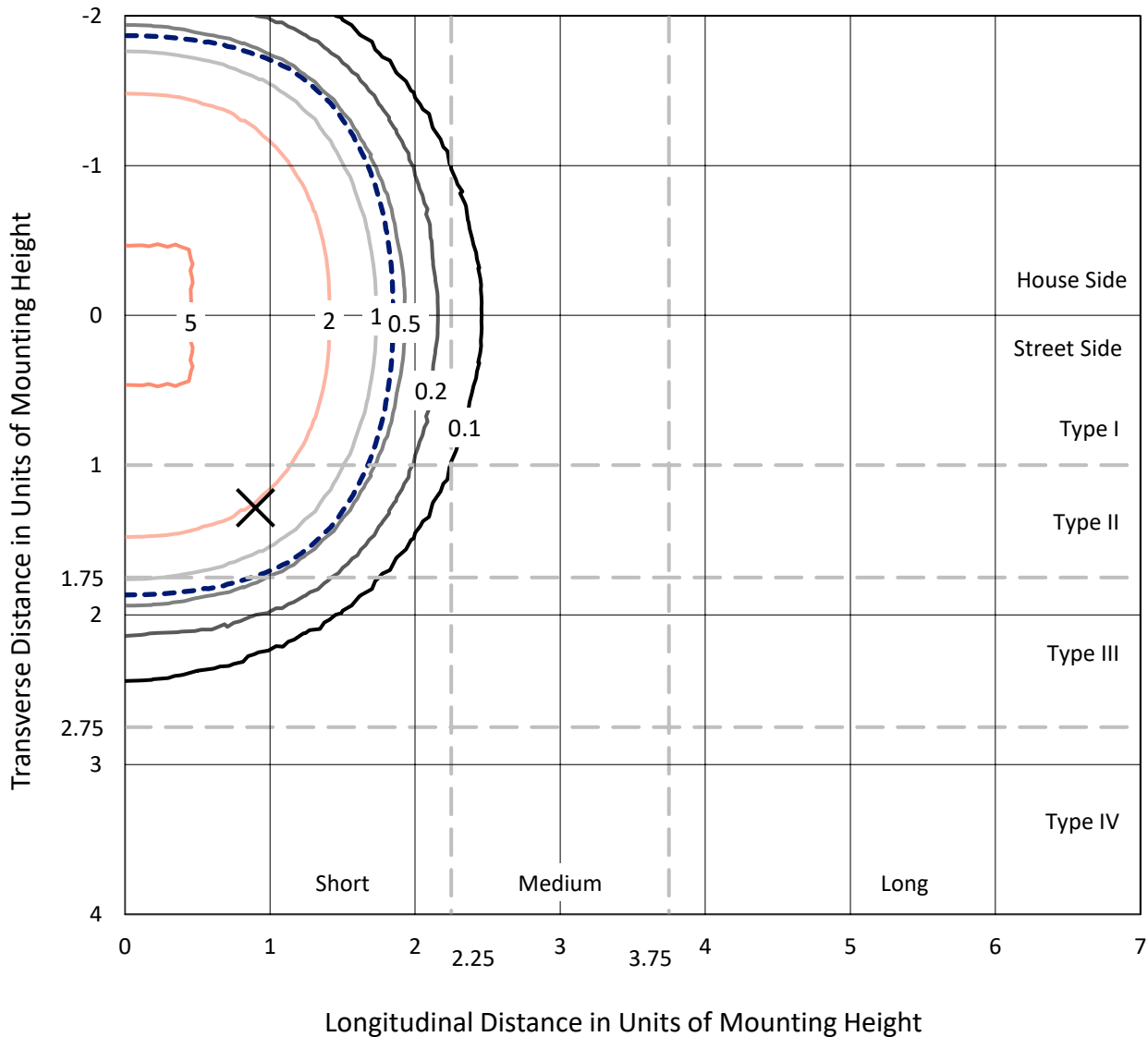


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Iso-Footcandle Lines of Horizontal Illumination

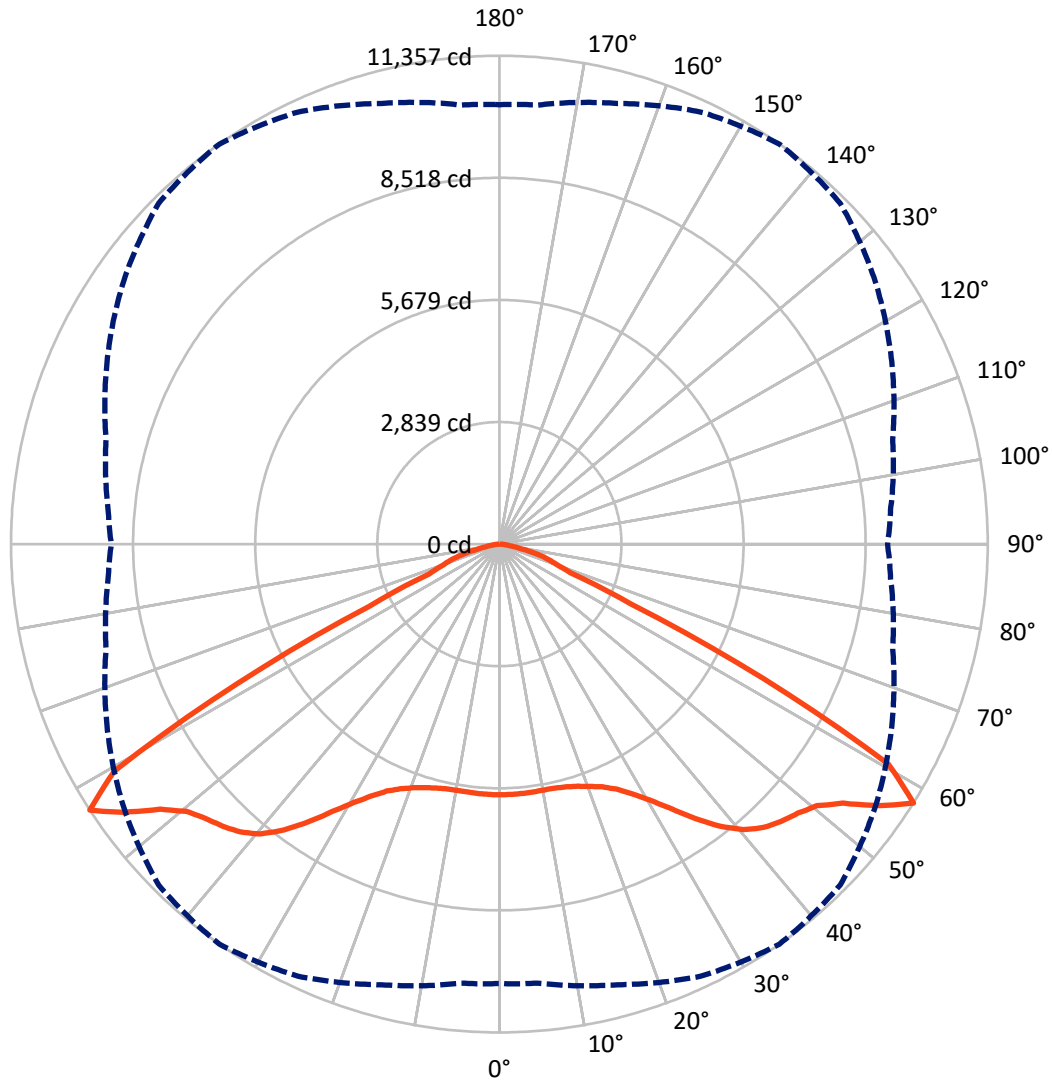
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 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 57.5-Deg Vertical

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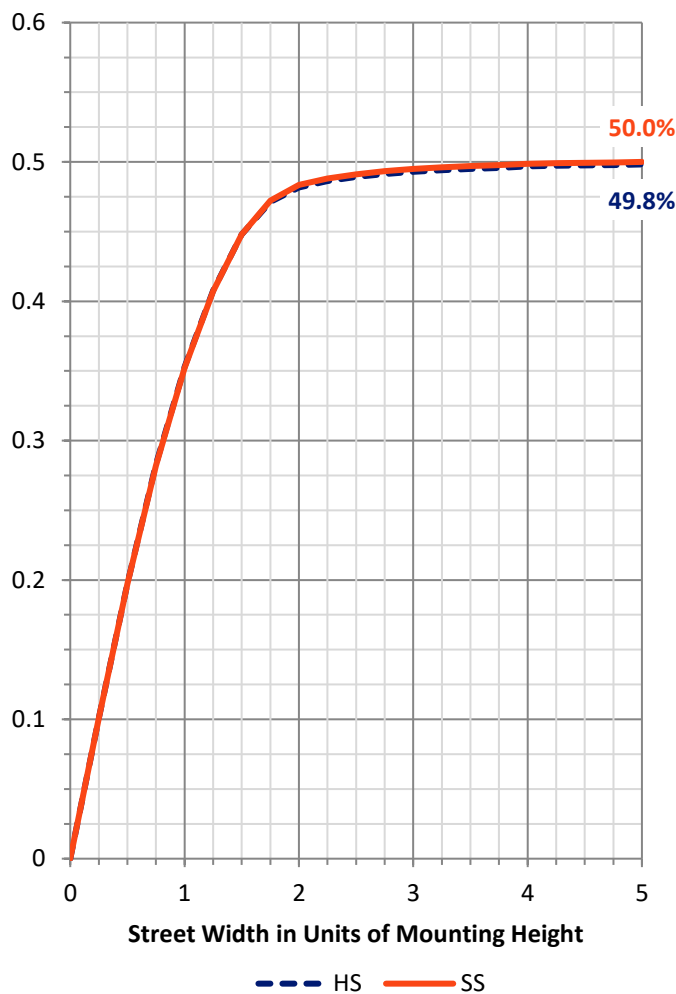
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15237.1	0.0	15237.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15237.1	0.0	15237.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	30474.1	0.0	30474.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.7	1.8
10°-20°	1655.0	5.4
20°-30°	2887.6	9.5
30°-40°	4735.0	15.5
40°-50°	6973.6	22.9
50°-60°	8899.6	29.2
60°-70°	3750.7	12.3
70°-80°	896.0	2.9
80°-90°	122.0	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°	30474.1	100.0
0°-180°	30474.1	100.0

Coefficient of Utilization



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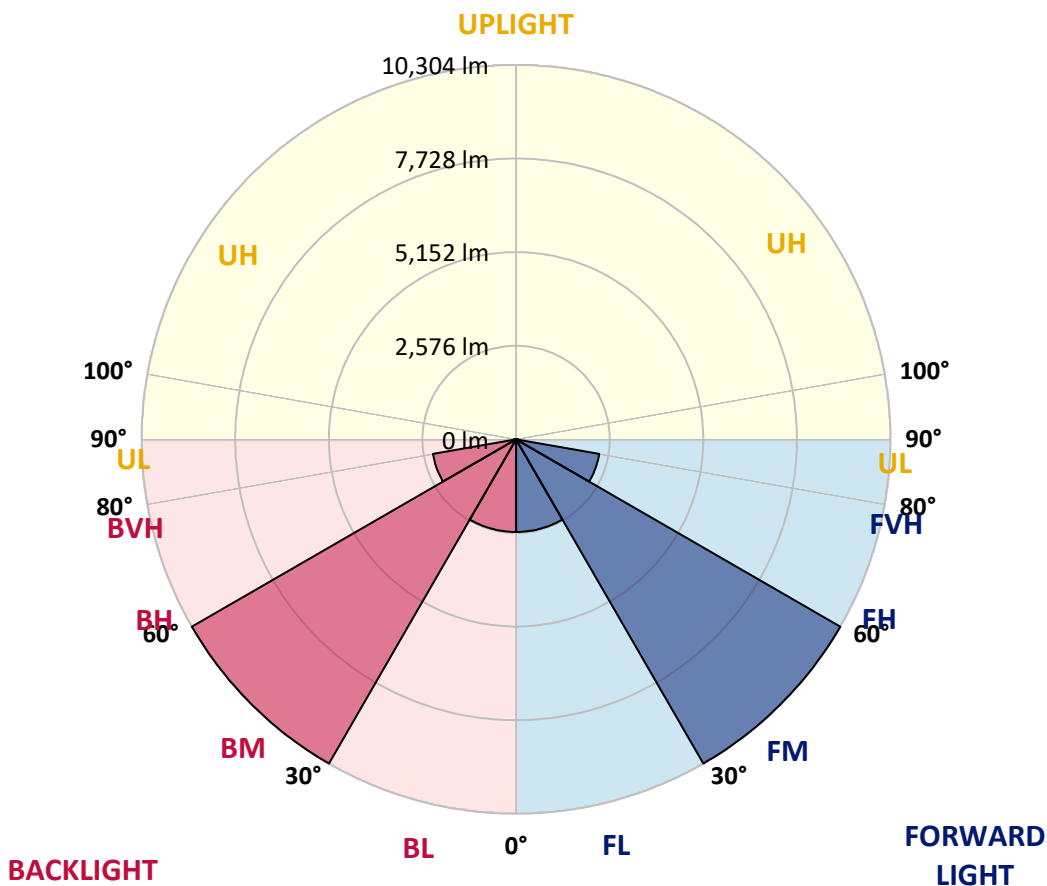
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2548.6	8.4			
FM (30°-60°)	10304.1	33.8			
FH (60°-80°)	2323.3	7.6			G2/5000
FVH (80°-90°)	61.0	0.2			G1/100
BL (0°-30°)	2548.6	8.4	B4/5000		
BM (30°-60°)	10304.1	33.8	B5		
BH (60°-80°)	2323.3	7.6	B3/2500		G2/5000
BVH (80°-90°)	61.0	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°	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9	5830.9
2.5°	5795.9	5795.9	5808.4	5820.9	5825.9	5848.3	5845.8	5838.4	5833.4	5818.4	5838.4
5°	5808.4	5808.4	5818.4	5825.9	5823.4	5840.9	5833.4	5820.9	5813.4	5798.4	5820.9
7.5°	5805.9	5805.9	5813.4	5820.9	5815.9	5830.9	5818.4	5800.9	5788.5	5773.5	5793.4
10°	5773.5	5778.5	5786.0	5803.4	5810.9	5833.4	5815.9	5788.5	5768.5	5751.0	5771.0
12.5°	5768.5	5773.5	5783.5	5805.9	5818.4	5850.8	5828.4	5783.5	5753.5	5731.1	5751.0
15°	5790.9	5795.9	5810.9	5838.4	5858.3	5893.2	5860.8	5798.4	5756.0	5726.1	5743.5
17.5°	5818.4	5825.9	5848.3	5888.3	5920.7	5958.1	5918.2	5843.3	5783.5	5743.5	5758.5
20°	5848.3	5858.3	5893.2	5953.1	6013.0	6060.4	6010.5	5910.7	5838.4	5786.0	5800.9
22.5°	5900.7	5913.2	5958.1	6042.9	6132.8	6202.6	6140.3	6005.5	5910.7	5843.3	5855.8
25°	6008.0	6023.0	6080.4	6182.7	6309.9	6394.7	6307.4	6155.2	6023.0	5940.7	5953.1
27.5°	6197.6	6205.1	6280.0	6414.7	6571.9	6669.2	6564.4	6384.8	6237.6	6142.7	6152.7
30°	6447.1	6469.6	6544.4	6721.6	6908.7	7038.5	6901.2	6689.2	6519.5	6404.7	6414.7
32.5°	6751.5	6766.5	6878.8	7063.4	7332.9	7482.6	7295.4	7043.5	6838.9	6699.1	6709.1
35°	7150.7	7163.2	7270.5	7505.0	7831.9	7971.6	7757.0	7467.6	7230.6	7098.3	7135.8
37.5°	7627.3	7649.7	7727.1	7959.1	8323.4	8460.6	8213.6	7944.2	7697.1	7574.9	7602.3
40°	8138.8	8136.3	8198.6	8403.2	8735.1	8819.9	8597.9	8383.3	8171.2	8091.4	8136.3
42.5°	8577.9	8565.4	8610.3	8780.0	9009.5	9017.0	8869.8	8750.0	8600.3	8545.5	8587.9
45°	8884.8	8889.8	8957.1	9074.4	9191.7	9129.3	9084.4	9064.4	8947.2	8872.3	8879.8
47.5°	9126.8	9146.8	9254.0	9333.9	9348.9	9244.1	9306.4	9336.4	9239.1	9124.3	9091.9
50°	9341.4	9373.8	9513.5	9598.4	9565.9	9433.7	9555.9	9600.9	9386.3	9166.7	9101.8
52.5°	9730.6	9768.0	9937.7	10047.5	10010.0	9877.8	9992.6	9832.9	9471.1	9201.6	9119.3
55°	10351.9	10369.3	10576.4	10756.0	10738.6	10576.4	10484.1	10129.8	9690.7	9411.2	9333.9
57.5°	10219.6	10249.6	10608.8	11087.9	11357.3	11210.1	10668.7	10064.9	9468.6	9131.8	9027.0
60°	8041.5	8113.8	8560.4	9403.7	10391.8	10389.3	9383.8	8445.7	7727.1	7280.5	7235.6
62.5°	4695.6	4745.5	5152.2	6005.5	6891.3	6946.1	6240.1	5596.3	4967.6	4665.7	4521.0
65°	2223.1	2220.6	2382.7	2767.0	3365.8	3413.2	3201.1	2849.3	2477.6	2375.3	2347.8
67.5°	1641.7	1641.7	1629.3	1656.7	1771.5	1796.4	1771.5	1714.1	1679.2	1701.6	1686.6
70°	1424.7	1427.2	1412.2	1404.7	1404.7	1397.2	1407.2	1429.6	1444.6	1474.6	1459.6
72.5°	1155.2	1157.7	1157.7	1160.2	1162.7	1152.7	1167.7	1180.1	1182.6	1192.6	1182.6
75°	820.9	825.9	840.8	853.3	863.3	863.3	868.3	870.8	860.8	873.3	853.3
77.5°	451.6	456.6	484.0	506.5	528.9	531.4	538.9	543.9	538.9	548.9	533.9
80°	249.5	254.5	267.0	276.9	294.4	309.4	319.4	324.4	324.4	331.8	324.4
82.5°	142.2	147.2	154.7	159.7	174.7	187.1	197.1	204.6	204.6	207.1	202.1
85°	67.4	67.4	72.4	77.3	84.8	89.8	102.3	109.8	109.8	114.8	109.8
87.5°	10.0	12.5	15.0	15.0	20.0	25.0	29.9	32.4	37.4	39.9	39.9
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)