

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: P641317

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641317
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-SA5F-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 38174.8 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

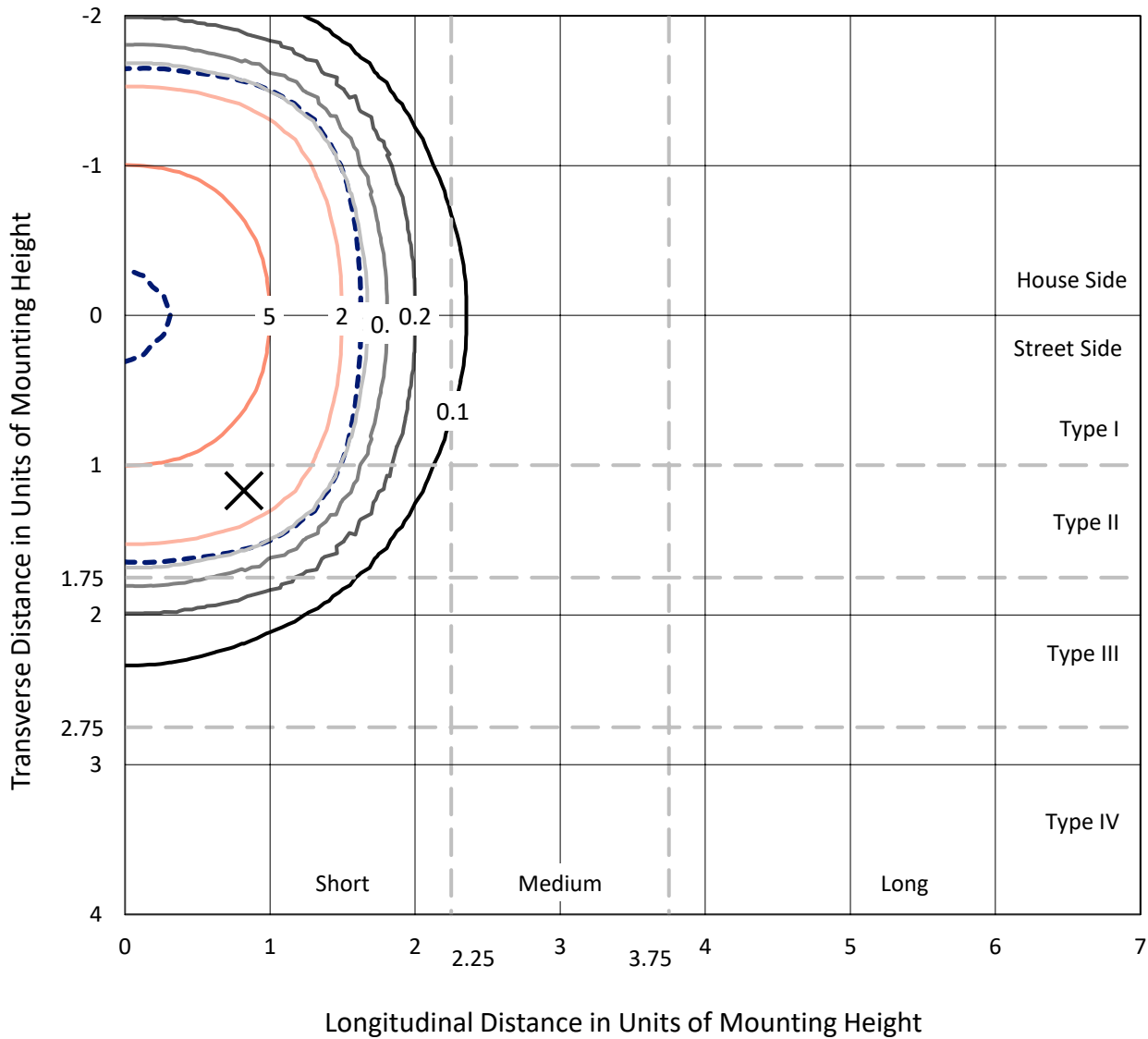
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

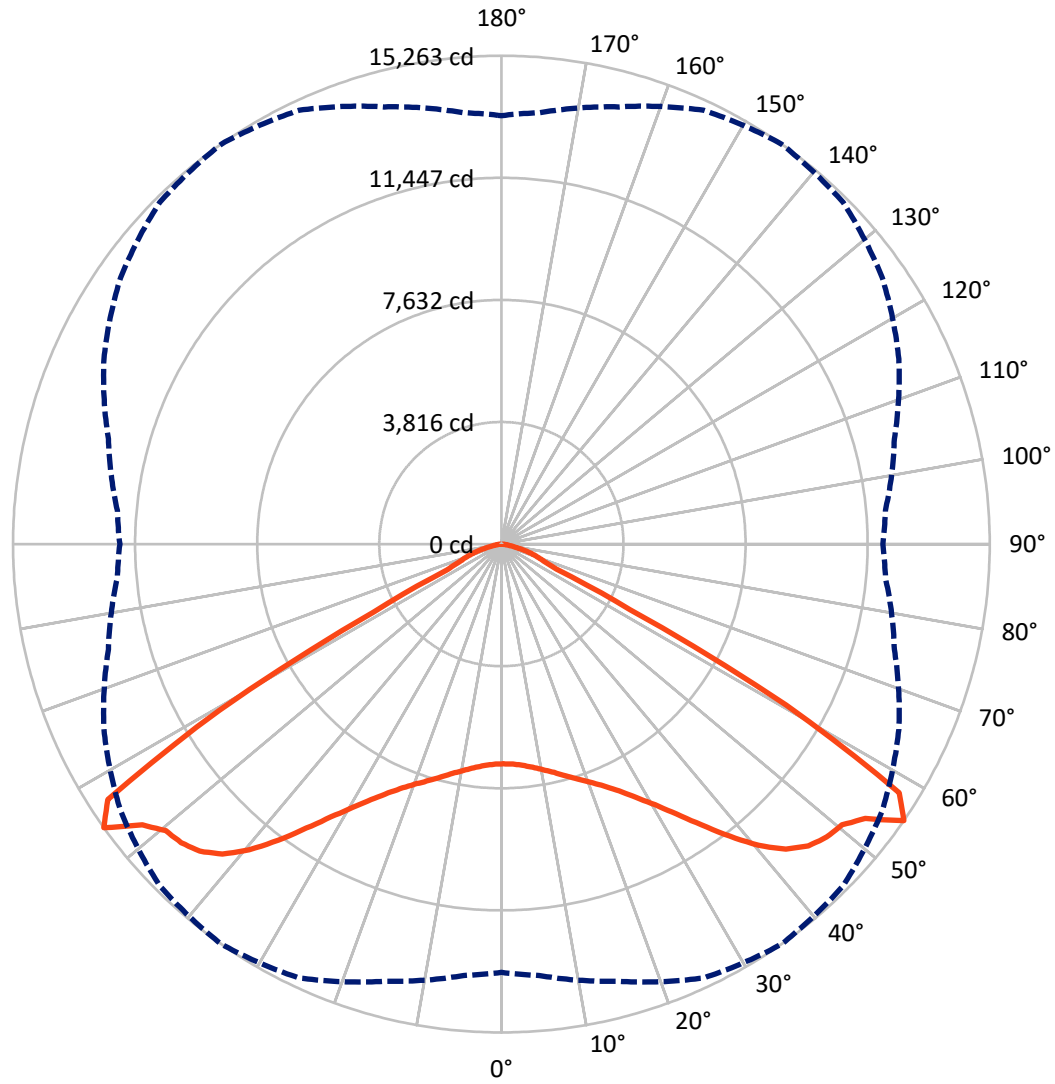
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.7 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
House Side	Lumens	19087.4	0.0	19087.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19087.4	0.0	19087.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	38174.8	0.0	38174.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.9	1.8
10°-20°	2132.7	5.6
20°-30°	3947.2	10.3
30°-40°	6602.9	17.3
40°-50°	10061.7	26.4
50°-60°	11271.2	29.5
60°-70°	2666.9	7.0
70°-80°	719.0	1.9
80°-90°	103.5	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°	38174.8	100.0
0°-180°	38174.8	100.0

Coefficient of Utilization



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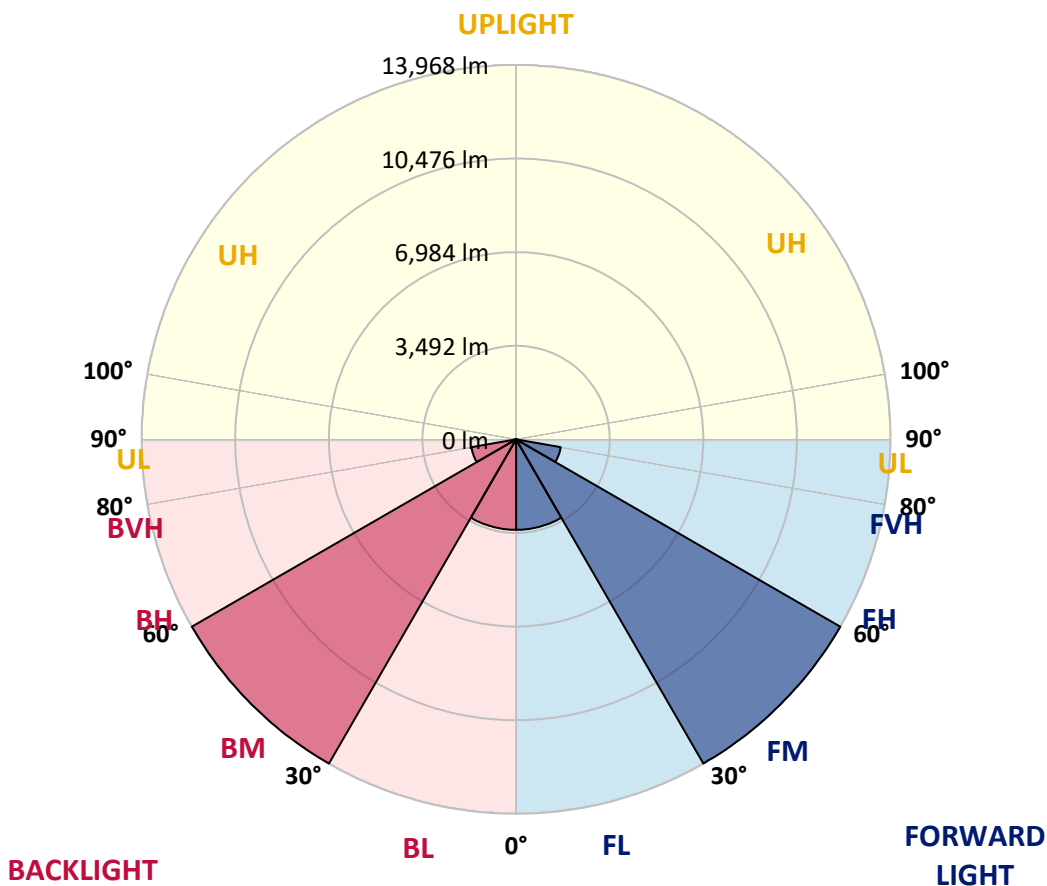
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3374.9	8.8			
FM (30°-60°)	13967.9	36.6			
FH (60°-80°)	1692.9	4.4			G1/1800
FVH (80°-90°)	51.7	0.1			G1/100
BL (0°-30°)	3374.9	8.8	B4/5000		
BM (30°-60°)	13967.9	36.6	B5		
BH (60°-80°)	1692.9	4.4	B3/2500		G1/1800
BVH (80°-90°)	51.7	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°	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7	6867.7
2.5°	6852.7	6852.7	6864.7	6879.8	6882.8	6913.0	6907.0	6894.9	6888.9	6876.8	6904.0
5°	6928.1	6931.1	6940.2	6949.3	6943.2	6967.4	6958.3	6943.2	6934.2	6919.1	6946.2
7.5°	7027.7	7027.7	7036.8	7048.9	7042.8	7079.1	7061.0	7039.8	7024.7	7006.6	7030.8
10°	7118.3	7124.3	7133.4	7157.6	7169.6	7208.9	7196.8	7166.6	7142.5	7121.3	7148.5
12.5°	7254.2	7260.2	7269.2	7302.5	7323.6	7362.8	7344.7	7302.5	7266.2	7236.0	7266.2
15°	7429.2	7423.2	7447.4	7489.6	7516.8	7553.0	7531.9	7459.4	7411.1	7371.9	7402.1
17.5°	7607.4	7604.3	7628.5	7682.8	7722.1	7770.4	7734.1	7649.6	7598.3	7550.0	7580.2
20°	7800.6	7809.6	7833.8	7885.1	7942.4	8005.8	7975.6	7885.1	7827.7	7773.4	7797.5
22.5°	8039.0	8042.1	8069.2	8135.6	8211.1	8271.5	8253.4	8141.7	8069.2	8011.9	8042.1
25°	8325.8	8322.8	8359.0	8437.5	8543.2	8603.6	8564.3	8440.5	8362.1	8295.6	8319.8
27.5°	8654.9	8651.9	8706.2	8808.8	8959.8	9044.3	8962.8	8808.8	8700.2	8606.6	8627.7
30°	9068.4	9059.4	9119.8	9258.6	9454.9	9596.7	9476.0	9261.7	9119.8	9020.1	9041.3
32.5°	9527.3	9539.4	9614.8	9802.0	10049.6	10233.7	10052.6	9814.1	9623.9	9479.0	9503.2
35°	10031.4	10031.4	10185.4	10417.8	10771.0	11015.6	10734.8	10390.7	10137.1	9937.9	9943.9
37.5°	10592.9	10599.0	10801.2	11121.2	11583.1	11869.9	11489.5	11063.9	10756.0	10541.6	10529.5
40°	11278.2	11296.3	11504.6	11860.8	12380.1	12642.7	12235.2	11818.6	11504.6	11251.0	11226.9
42.5°	12051.0	12057.1	12277.4	12597.4	13035.1	13192.1	12872.1	12531.0	12274.4	12045.0	12020.8
45°	12787.6	12772.5	12962.7	13201.2	13454.8	13469.8	13291.7	13152.9	12929.5	12733.3	12697.0
47.5°	13361.2	13349.1	13521.2	13651.0	13681.2	13533.2	13590.6	13611.7	13352.1	13086.5	13017.0
50°	13711.3	13735.5	13898.5	13971.0	13792.9	13551.4	13768.7	13714.4	13343.1	12995.9	12884.2
52.5°	13922.7	13958.9	14242.7	14426.8	14242.7	14013.2	14043.4	13723.4	13189.1	12730.2	12585.3
55°	13388.3	13533.2	14146.1	14961.1	15263.0	15103.0	14529.4	13705.3	12715.1	12048.0	11924.2
57.5°	9922.8	10152.2	11060.8	12826.8	14662.3	15244.9	13569.5	11489.5	9989.2	9131.8	9059.4
60°	5065.5	5322.1	6049.7	7863.9	10224.6	11045.8	9451.8	7356.8	5847.4	5153.1	5074.6
62.5°	2067.9	2110.1	2348.6	3049.0	4519.1	5213.5	4579.5	3215.0	2415.0	2224.8	2227.9
65°	1627.1	1636.2	1624.1	1666.4	1892.8	2101.1	1941.1	1705.6	1663.4	1684.5	1669.4
67.5°	1418.8	1421.9	1412.8	1412.8	1421.9	1412.8	1430.9	1440.0	1446.0	1470.2	1455.1
70°	1186.4	1189.4	1189.4	1195.4	1192.4	1177.3	1204.5	1216.6	1219.6	1234.7	1225.6
72.5°	917.7	926.8	932.8	935.8	932.8	923.7	938.8	960.0	957.0	972.1	957.0
75°	621.9	633.9	640.0	652.1	649.0	649.0	667.2	676.2	667.2	679.2	667.2
77.5°	353.2	362.3	380.4	392.4	404.5	413.6	425.6	431.7	428.7	434.7	428.7
80°	205.3	208.3	223.4	229.4	244.5	259.6	271.7	277.7	280.7	283.8	280.7
82.5°	117.7	120.8	126.8	132.8	144.9	157.0	169.1	178.1	178.1	181.1	178.1
85°	57.4	57.4	60.4	63.4	69.4	78.5	87.5	96.6	99.6	99.6	99.6
87.5°	9.1	9.1	12.1	12.1	15.1	18.1	24.2	30.2	33.2	33.2	33.2
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)