

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: P641316

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641316
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-SA5F-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29631.8 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

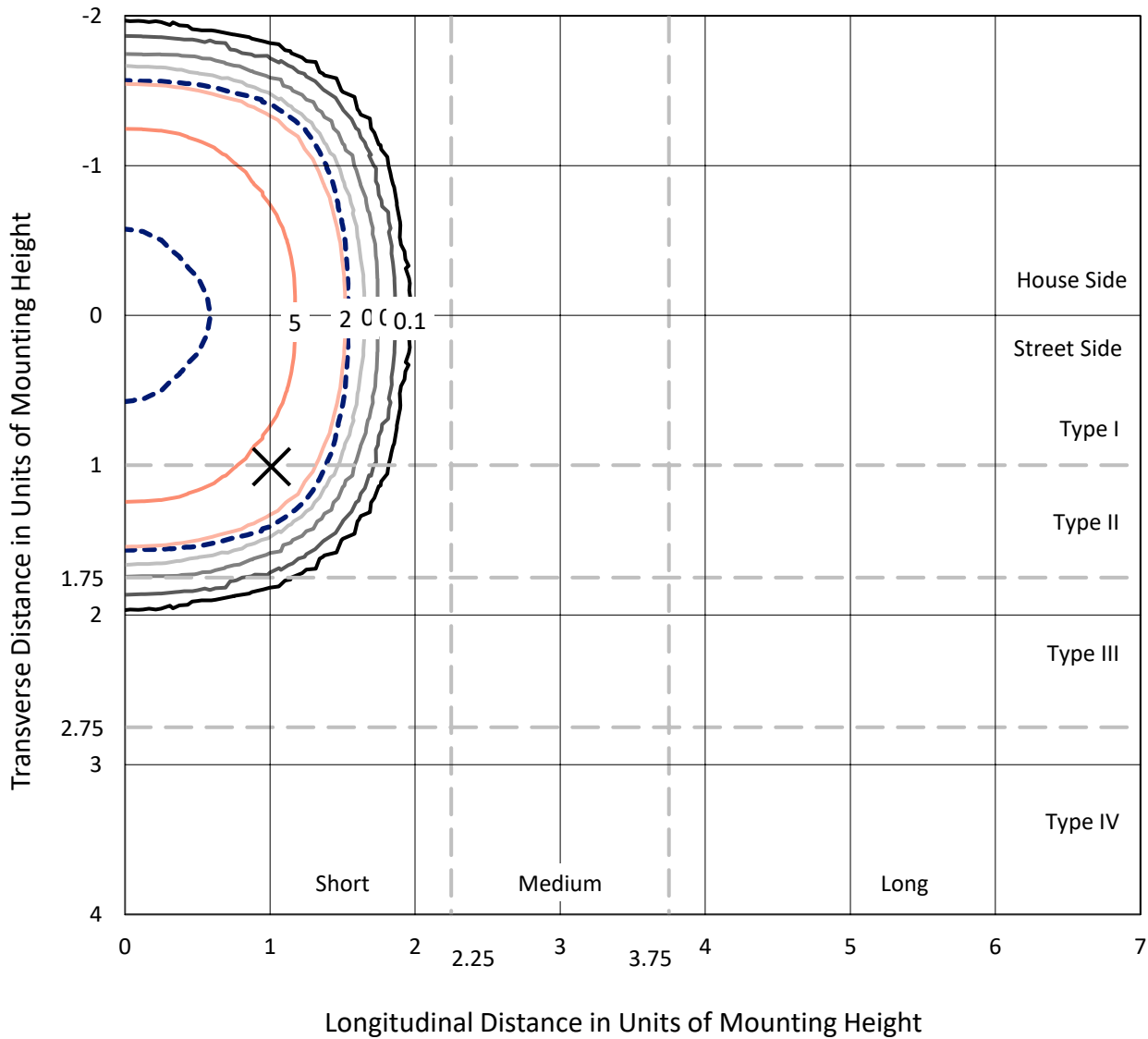
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

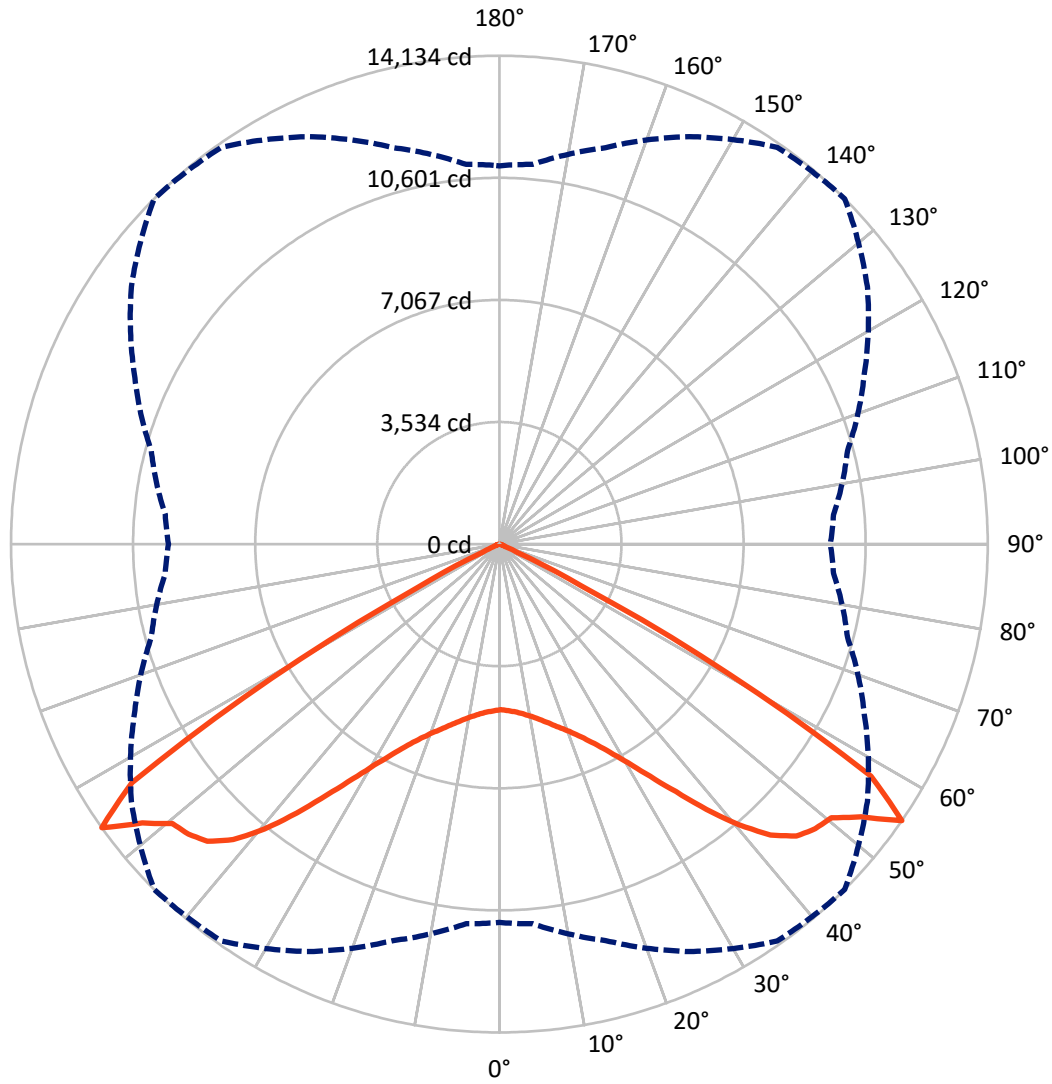
✕ Max cd
 - - - 1/2 Max cd



Based on 25 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 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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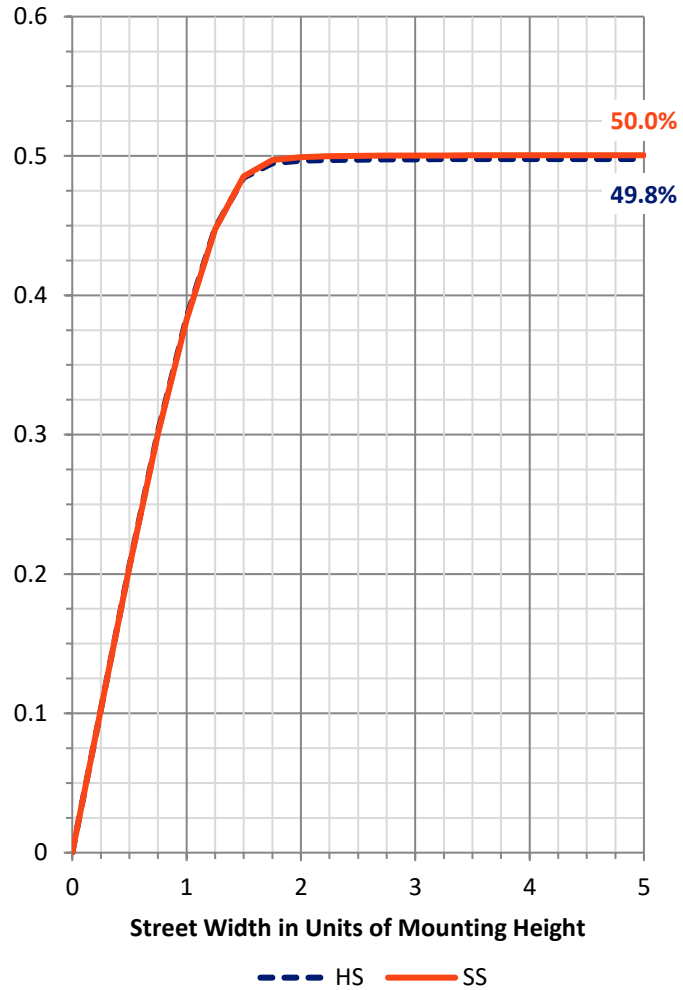
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14815.9	0.0	14815.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14815.9	0.0	14815.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	29631.8	0.0	29631.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.4	1.6
10°-20°	1521.6	5.1
20°-30°	2946.8	9.9
30°-40°	5279.3	17.8
40°-50°	8851.1	29.9
50°-60°	9474.6	32.0
60°-70°	1041.1	3.5
70°-80°	45.8	0.2
80°-90°	2.1	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°	29631.8	100.0
0°-180°	29631.8	100.0

Coefficient of Utilization



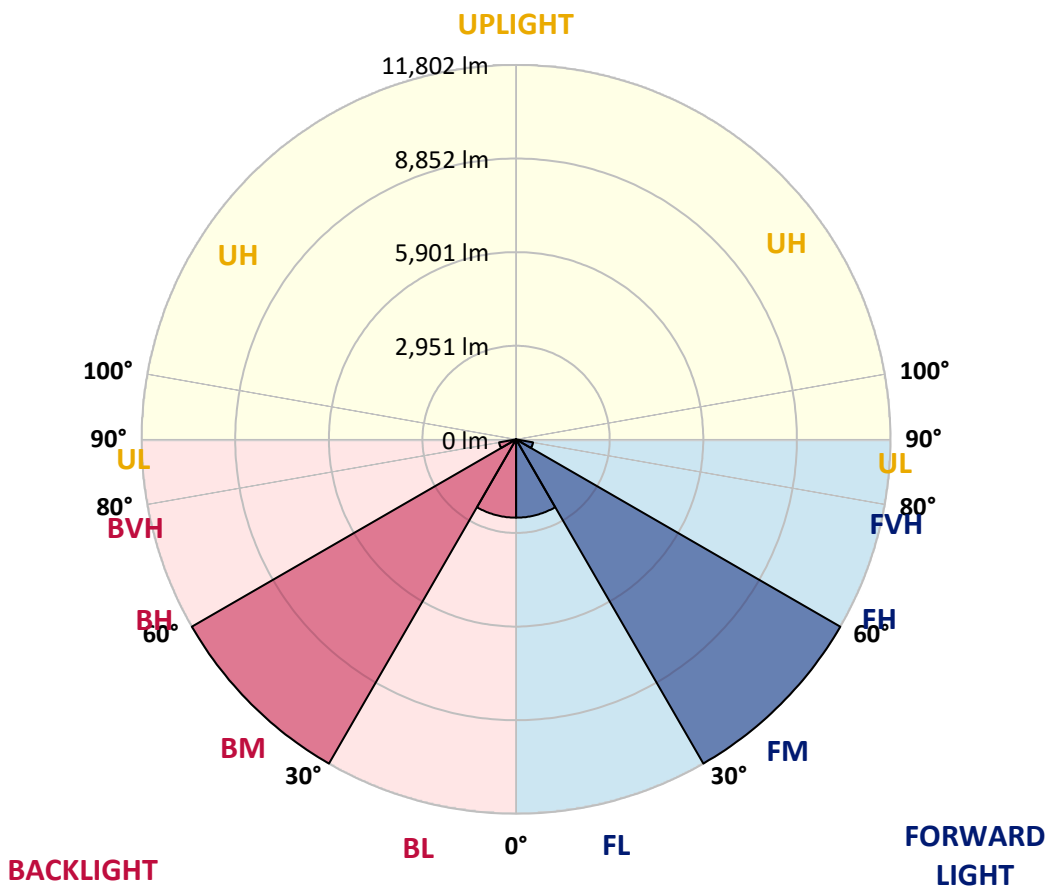
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2468.9	8.3			
FM (30°-60°)	11802.5	39.8			
FH (60°-80°)	543.5	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2468.9	8.3	B3/2500		
BM (30°-60°)	11802.5	39.8	B5		
BH (60°-80°)	543.5	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	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°	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9	4790.9
2.5°	4781.8	4781.8	4793.9	4803.0	4803.0	4827.1	4818.1	4809.0	4809.0	4796.9	4821.1
5°	4851.3	4848.2	4860.3	4866.4	4854.3	4878.4	4863.3	4854.3	4848.2	4836.2	4860.3
7.5°	4926.7	4929.8	4932.8	4944.9	4938.8	4963.0	4950.9	4932.8	4926.7	4908.6	4932.8
10°	5017.3	5017.3	5023.3	5038.4	5041.5	5071.6	5059.6	5038.4	5020.3	5002.2	5026.4
12.5°	5132.0	5135.0	5144.1	5165.2	5177.3	5210.5	5192.4	5150.1	5123.0	5101.8	5129.0
15°	5298.1	5295.0	5307.1	5337.3	5352.4	5376.5	5349.4	5292.0	5258.8	5234.7	5252.8
17.5°	5479.2	5479.2	5485.2	5515.4	5536.5	5572.8	5539.6	5470.1	5439.9	5406.7	5424.8
20°	5678.4	5687.5	5693.5	5714.7	5750.9	5787.1	5759.9	5690.5	5657.3	5615.0	5636.2
22.5°	5941.1	5932.0	5935.0	5971.3	6022.6	6058.8	6037.7	5956.2	5898.8	5865.6	5877.7
25°	6233.9	6230.9	6239.9	6294.3	6351.6	6390.9	6360.7	6255.0	6197.7	6140.3	6164.5
27.5°	6593.1	6596.2	6602.2	6668.6	6759.2	6816.5	6741.1	6635.4	6556.9	6481.4	6499.6
30°	7018.8	7012.8	7030.9	7121.4	7254.3	7344.8	7257.3	7109.4	6997.7	6925.2	6934.3
32.5°	7471.6	7477.7	7526.0	7670.9	7846.0	8006.0	7827.8	7631.6	7486.7	7350.9	7369.0
35°	7960.7	7975.8	8084.4	8298.8	8585.6	8799.9	8552.4	8229.3	8024.1	7849.0	7855.0
37.5°	8537.3	8573.5	8724.4	9044.4	9455.0	9741.8	9379.5	8950.8	8685.2	8467.8	8452.7
40°	9295.0	9337.3	9542.5	9922.9	10421.0	10683.7	10264.0	9823.3	9494.2	9258.8	9222.5
42.5°	10164.4	10218.8	10442.1	10831.6	11329.7	11507.8	11097.2	10725.9	10430.1	10152.3	10140.3
45°	11145.5	11175.7	11356.9	11655.7	12015.0	12057.2	11749.3	11544.0	11245.2	10985.5	10964.4
47.5°	12066.3	12096.5	12220.2	12374.2	12458.7	12307.8	12253.5	12162.9	11776.5	11456.5	11390.1
50°	12766.7	12790.8	12944.8	13005.1	12769.7	12449.7	12555.3	12362.1	11942.5	11583.3	11480.6
52.5°	12718.4	12778.7	13174.2	13518.3	13370.4	13110.8	12827.0	12410.4	11758.4	11266.3	11139.5
55°	10949.3	11030.8	11879.1	13011.2	14022.5	14134.2	12999.1	11655.7	10430.1	9708.6	9578.8
57.5°	7036.9	7058.0	8093.5	9681.4	11960.6	12679.1	10780.3	8787.8	7263.3	6469.4	6415.0
60°	2587.1	2544.9	3326.8	4643.0	6889.0	7649.7	6345.6	4443.7	3169.8	2608.3	2563.0
62.5°	621.9	627.9	778.9	1168.3	2161.5	2674.7	2113.2	1180.4	751.7	630.9	624.9
65°	314.0	307.9	310.9	335.1	461.9	552.4	452.8	320.0	307.9	310.9	307.9
67.5°	202.3	199.2	205.3	208.3	205.3	193.2	190.2	196.2	196.2	199.2	193.2
70°	123.8	120.8	126.8	135.8	129.8	114.7	120.8	126.8	120.8	117.7	117.7
72.5°	66.4	66.4	72.5	78.5	72.5	66.4	66.4	69.4	66.4	66.4	66.4
75°	30.2	30.2	33.2	36.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
77.5°	9.1	9.1	12.1	12.1	9.1	9.1	9.1	9.1	12.1	12.1	12.1
80°	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
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)