

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: P641262

Luminaire Tested: GWS-SA5F-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641262
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38705.2 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

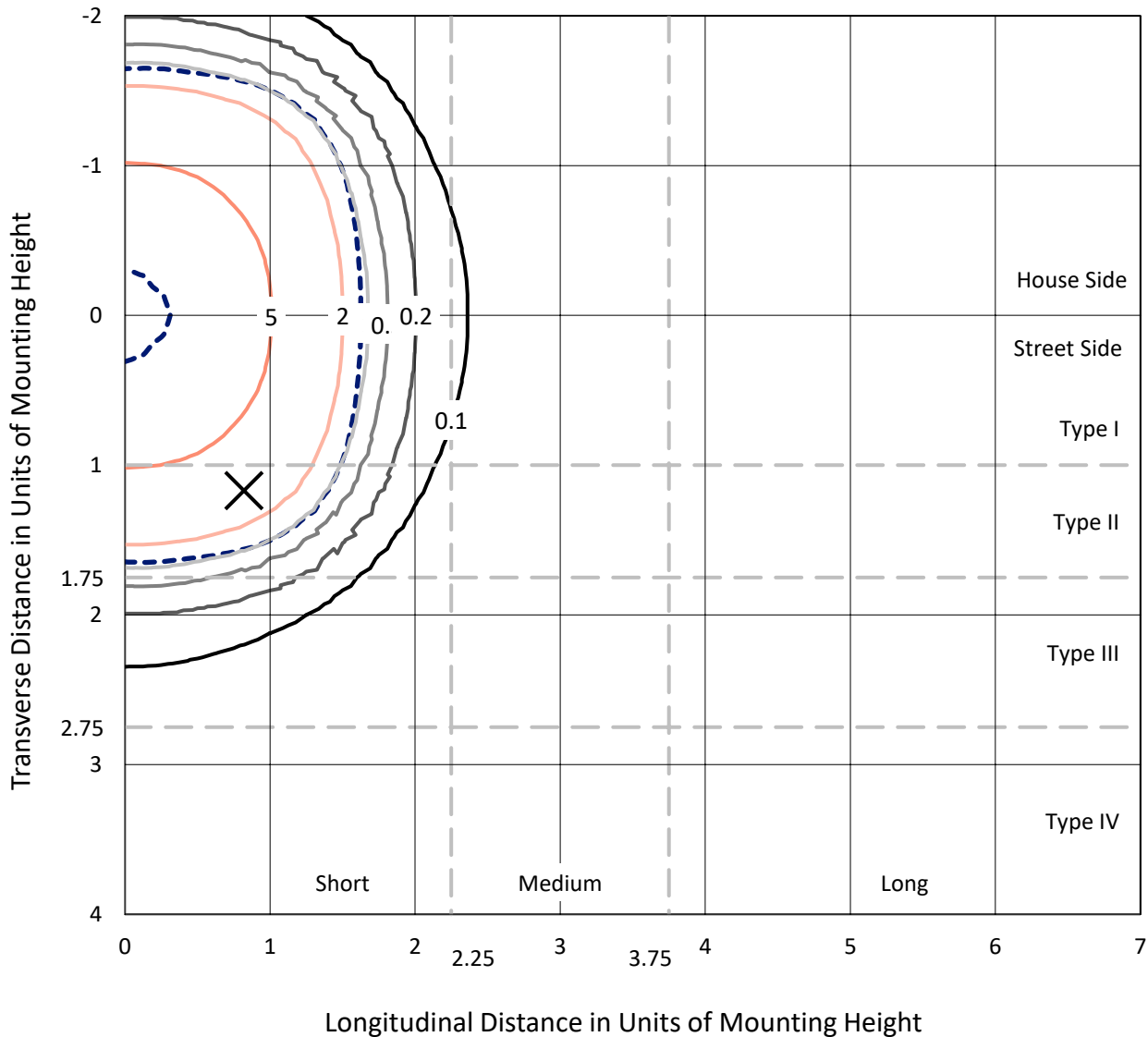
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

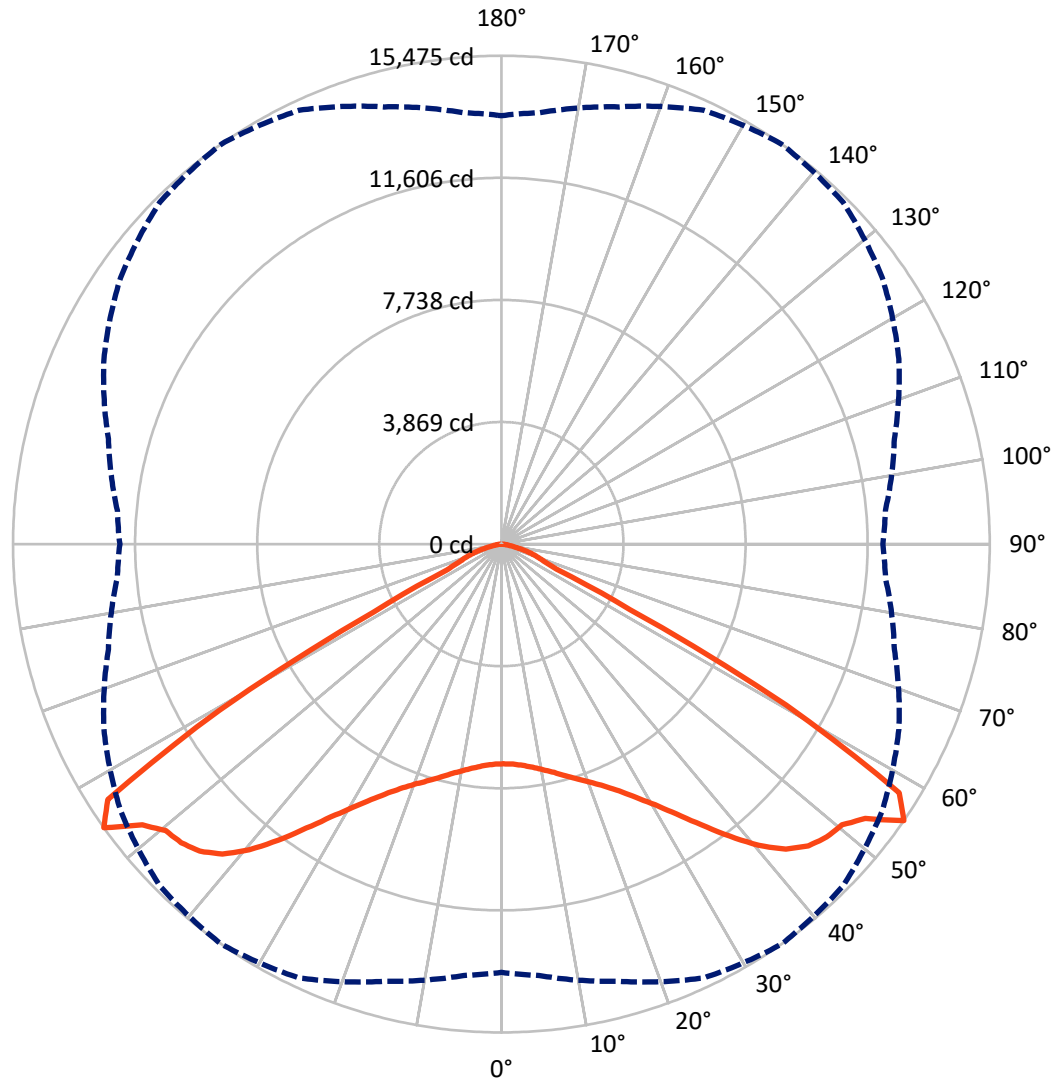
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.8 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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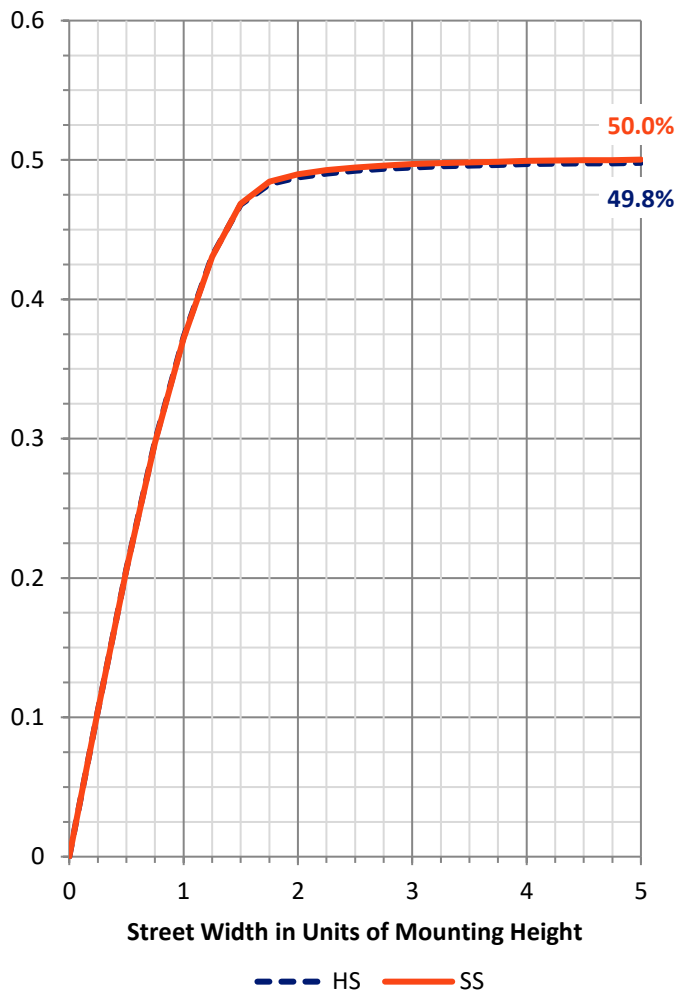
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19352.6	0.0	19352.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19352.6	0.0	19352.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	38705.2	0.0	38705.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.2	1.8
10°-20°	2162.3	5.6
20°-30°	4002.0	10.3
30°-40°	6694.6	17.3
40°-50°	10201.5	26.4
50°-60°	11427.8	29.5
60°-70°	2703.9	7.0
70°-80°	729.0	1.9
80°-90°	104.9	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°	38705.2	100.0
0°-180°	38705.2	100.0

Coefficient of Utilization



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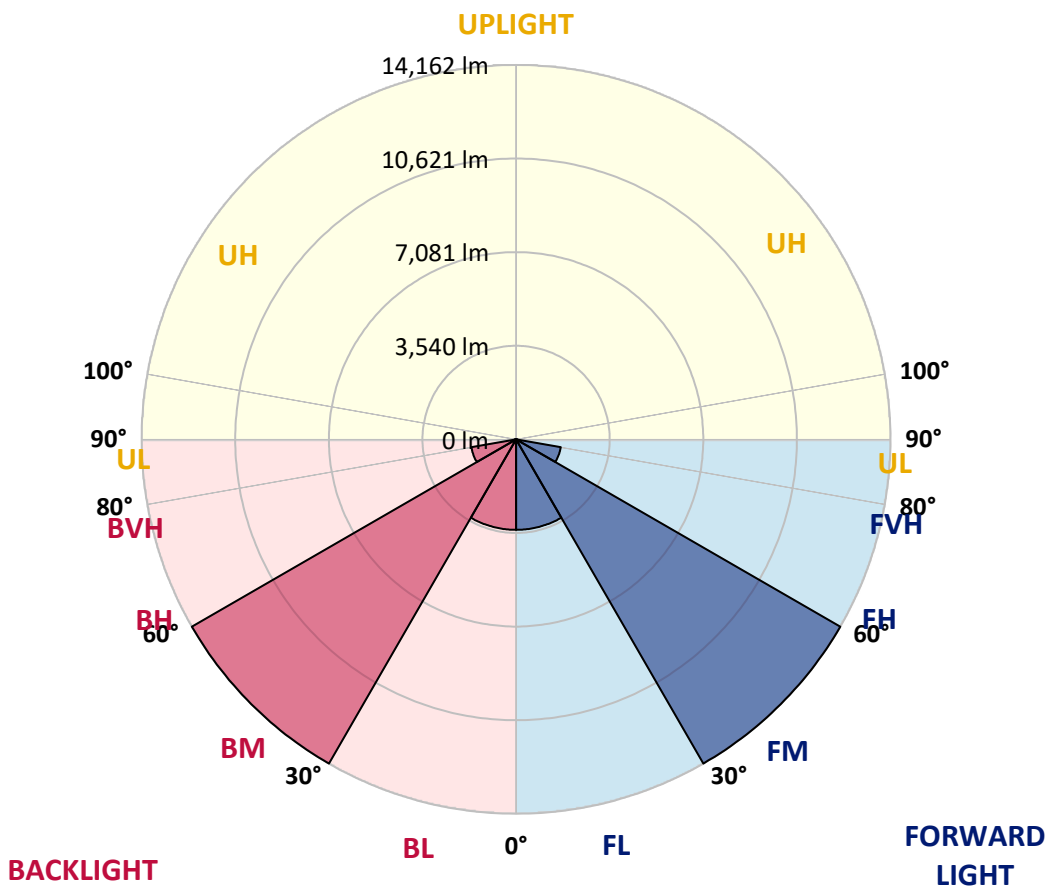
CATALOG NUMBER: GWS-SA5F-750-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3421.8	8.8			
FM (30°-60°)	14161.9	36.6			
FH (60°-80°)	1716.5	4.4			G1/1800
FVH (80°-90°)	52.5	0.1			G1/100
BL (0°-30°)	3421.8	8.8	B4/5000		
BM (30°-60°)	14161.9	36.6	B5		
BH (60°-80°)	1716.5	4.4	B3/2500		G1/1800
BVH (80°-90°)	52.5	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°	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2	6963.2
2.5°	6947.9	6947.9	6960.1	6975.4	6978.5	7009.1	7003.0	6990.7	6984.6	6972.4	6999.9
5°	7024.4	7027.4	7036.6	7045.8	7039.7	7064.2	7055.0	7039.7	7030.5	7015.2	7042.7
7.5°	7125.4	7125.4	7134.6	7146.8	7140.7	7177.4	7159.1	7137.6	7122.3	7104.0	7128.4
10°	7217.2	7223.3	7232.5	7257.0	7269.2	7309.0	7296.8	7266.2	7241.7	7220.3	7247.8
12.5°	7354.9	7361.1	7370.2	7403.9	7425.3	7465.1	7446.8	7403.9	7367.2	7336.6	7367.2
15°	7532.5	7526.3	7550.8	7593.7	7621.2	7658.0	7636.5	7563.1	7514.1	7474.3	7504.9
17.5°	7713.0	7710.0	7734.5	7789.6	7829.4	7878.3	7841.6	7755.9	7703.9	7654.9	7685.5
20°	7908.9	7918.1	7942.6	7994.6	8052.8	8117.1	8086.5	7994.6	7936.5	7881.4	7905.9
22.5°	8150.7	8153.8	8181.3	8248.7	8325.2	8386.4	8368.0	8254.8	8181.3	8123.2	8153.8
25°	8441.5	8438.4	8475.2	8554.8	8661.9	8723.1	8683.3	8557.8	8478.2	8410.9	8435.4
27.5°	8775.1	8772.1	8827.2	8931.2	9084.3	9170.0	9087.3	8931.2	8821.0	8726.2	8747.6
30°	9194.4	9185.3	9246.5	9387.3	9586.2	9730.1	9607.6	9390.3	9246.5	9145.5	9166.9
32.5°	9659.7	9671.9	9748.4	9938.2	10189.2	10375.9	10192.2	9950.4	9757.6	9610.7	9635.2
35°	10170.8	10170.8	10326.9	10562.6	10920.7	11168.6	10884.0	10535.0	10277.9	10075.9	10082.1
37.5°	10740.1	10746.2	10951.3	11275.7	11744.0	12034.8	11649.2	11217.6	10905.4	10688.1	10675.8
40°	11434.9	11453.3	11664.5	12025.6	12552.1	12818.4	12405.2	11982.8	11664.5	11407.4	11382.9
42.5°	12218.4	12224.6	12448.0	12772.4	13216.2	13375.4	13051.0	12705.1	12444.9	12212.3	12187.8
45°	12965.3	12950.0	13142.8	13384.6	13641.7	13657.0	13476.4	13335.6	13109.1	12910.2	12873.4
47.5°	13546.8	13534.6	13709.0	13840.6	13871.2	13721.3	13779.4	13800.8	13537.6	13268.3	13197.9
50°	13901.9	13926.3	14091.6	14165.1	13984.5	13739.6	13960.0	13904.9	13528.4	13176.5	13063.2
52.5°	14116.1	14152.8	14440.5	14627.2	14440.5	14207.9	14238.5	13914.1	13372.3	12907.1	12760.2
55°	13574.4	13721.3	14342.6	15169.0	15475.1	15312.9	14731.3	13895.7	12891.8	12215.4	12089.9
57.5°	10060.6	10293.2	11214.5	13005.1	14866.0	15456.7	13758.0	11649.2	10128.0	9258.7	9185.3
60°	5135.9	5396.1	6133.7	7973.2	10366.7	11199.2	9583.2	7459.0	5928.6	5224.7	5145.1
62.5°	2096.6	2139.5	2381.3	3091.3	4581.9	5285.9	4643.1	3259.7	2448.6	2255.8	2258.8
65°	1649.7	1658.9	1646.7	1689.5	1919.1	2130.3	1968.1	1729.3	1686.5	1707.9	1692.6
67.5°	1438.5	1441.6	1432.4	1432.4	1441.6	1432.4	1450.8	1460.0	1466.1	1490.6	1475.3
70°	1202.9	1205.9	1205.9	1212.1	1209.0	1193.7	1221.2	1233.5	1236.5	1251.8	1242.7
72.5°	930.5	939.6	945.8	948.8	945.8	936.6	951.9	973.3	970.3	985.6	970.3
75°	630.5	642.8	648.9	661.1	658.1	658.1	676.4	685.6	676.4	688.7	676.4
77.5°	358.1	367.3	385.7	397.9	410.1	419.3	431.6	437.7	434.6	440.7	434.6
80°	208.1	211.2	226.5	232.6	247.9	263.2	275.5	281.6	284.6	287.7	284.6
82.5°	119.4	122.4	128.6	134.7	146.9	159.2	171.4	180.6	180.6	183.6	180.6
85°	58.2	58.2	61.2	64.3	70.4	79.6	88.8	97.9	101.0	101.0	101.0
87.5°	9.2	9.2	12.2	12.2	15.3	18.4	24.5	30.6	33.7	33.7	33.7
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)