

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: P641259

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641259
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37383 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

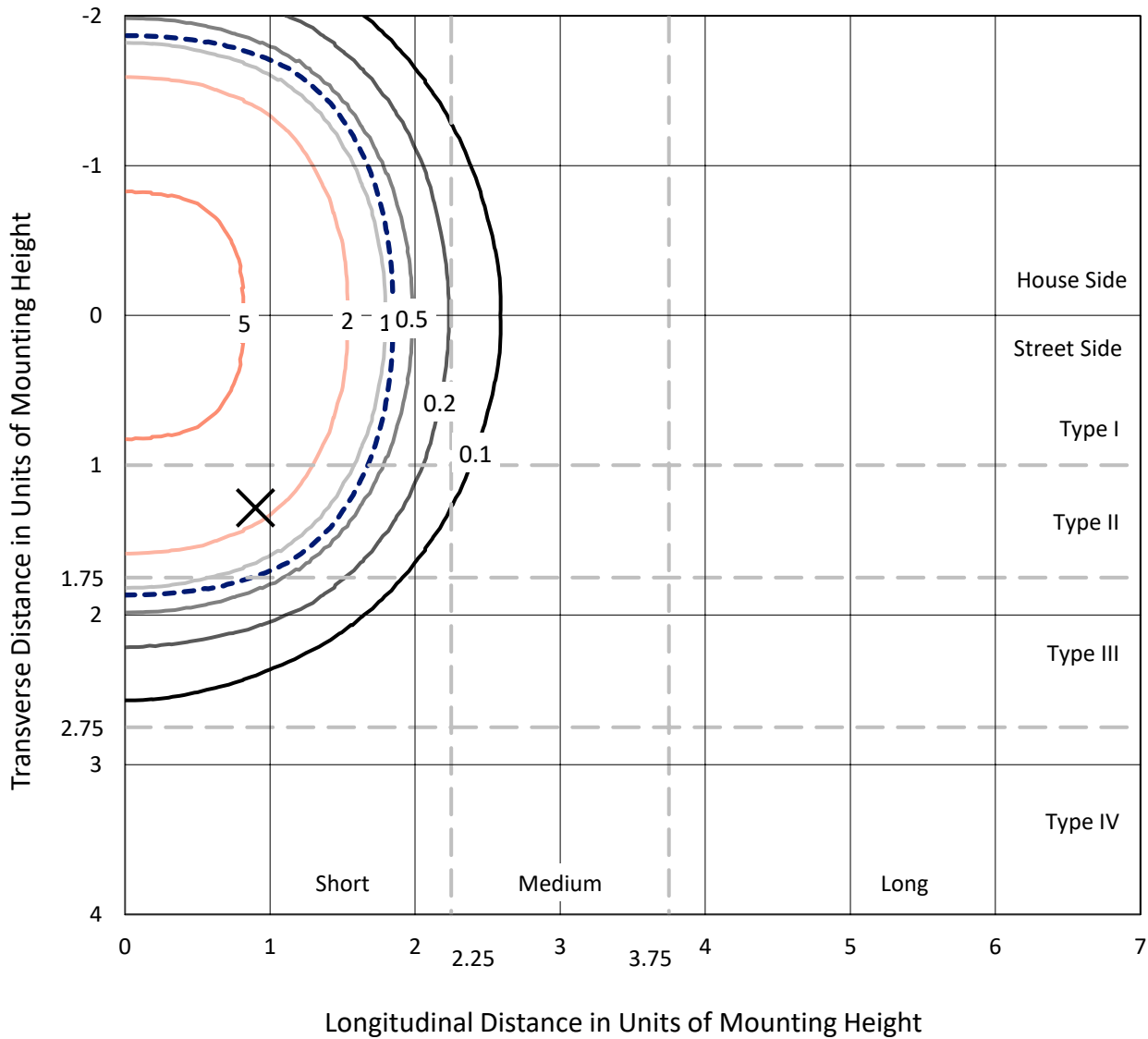
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

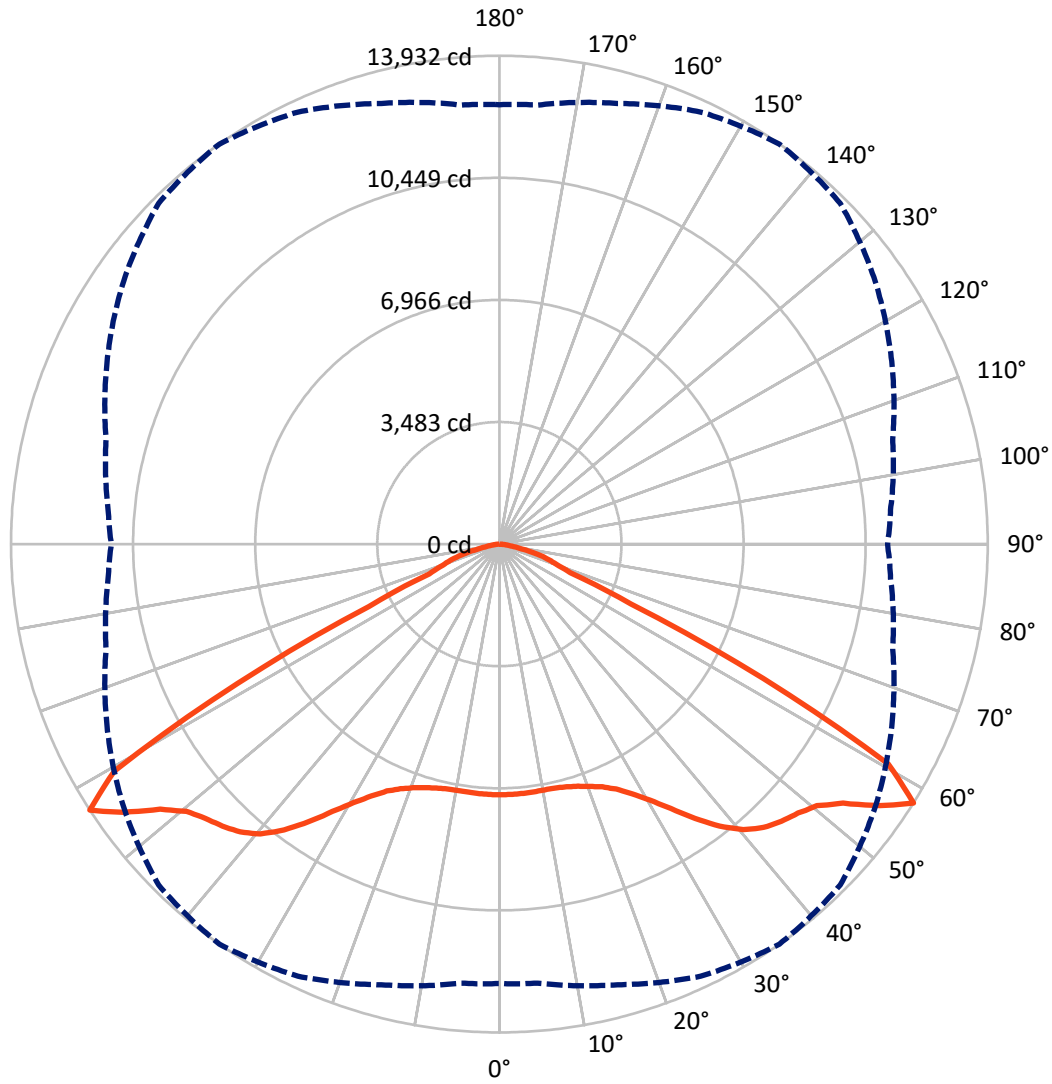
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 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	18691.5	0.0	18691.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18691.5	0.0	18691.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37383.0	0.0	37383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.5	1.8
10°-20°	2030.2	5.4
20°-30°	3542.3	9.5
30°-40°	5808.6	15.5
40°-50°	8554.6	22.9
50°-60°	10917.2	29.2
60°-70°	4601.0	12.3
70°-80°	1099.1	2.9
80°-90°	149.6	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°	37383.0	100.0
0°-180°	37383.0	100.0

Coefficient of Utilization



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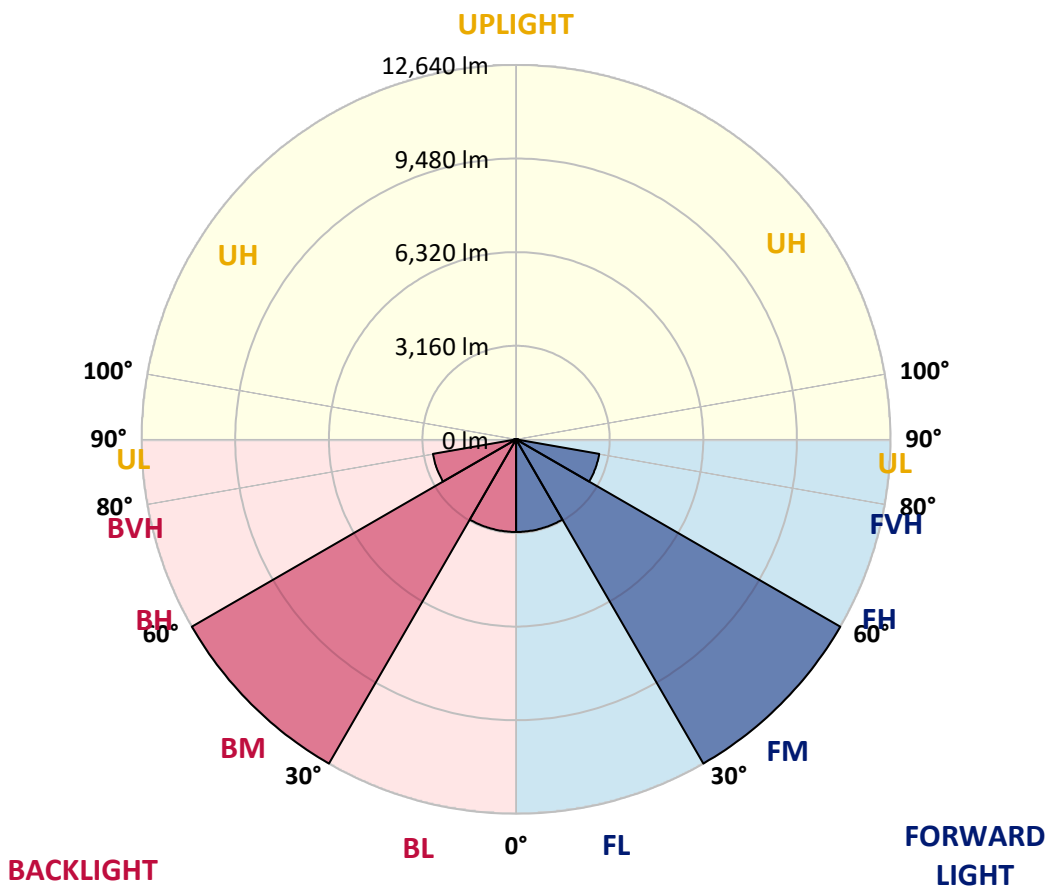
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3126.5	8.4			
FM (30°-60°)	12640.2	33.8			
FH (60°-80°)	2850.0	7.6			G2/5000
FVH (80°-90°)	74.8	0.2			G1/100
BL (0°-30°)	3126.5	8.4	B4/5000		
BM (30°-60°)	12640.2	33.8	B5		
BH (60°-80°)	2850.0	7.6	B4/5000		G2/5000
BVH (80°-90°)	74.8	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°	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8	7152.8
2.5°	7110.0	7110.0	7125.3	7140.6	7146.7	7174.2	7171.2	7162.0	7155.9	7137.5	7162.0
5°	7125.3	7125.3	7137.5	7146.7	7143.6	7165.1	7155.9	7140.6	7131.4	7113.0	7140.6
7.5°	7122.2	7122.2	7131.4	7140.6	7134.4	7152.8	7137.5	7116.1	7100.8	7082.4	7106.9
10°	7082.4	7088.5	7097.7	7119.1	7128.3	7155.9	7134.4	7100.8	7076.3	7054.9	7079.4
12.5°	7076.3	7082.4	7094.7	7122.2	7137.5	7177.3	7149.7	7094.7	7057.9	7030.4	7054.9
15°	7103.8	7110.0	7128.3	7162.0	7186.5	7229.3	7189.5	7113.0	7061.0	7024.3	7045.7
17.5°	7137.5	7146.7	7174.2	7223.2	7263.0	7308.9	7259.9	7168.1	7094.7	7045.7	7064.0
20°	7174.2	7186.5	7229.3	7302.8	7376.2	7434.4	7373.2	7250.8	7162.0	7097.7	7116.1
22.5°	7238.5	7253.8	7308.9	7413.0	7523.2	7608.9	7532.3	7367.1	7250.8	7168.1	7183.4
25°	7370.1	7388.5	7458.9	7584.4	7740.5	7844.5	7737.4	7550.7	7388.5	7287.5	7302.8
27.5°	7602.7	7611.9	7703.7	7869.0	8061.8	8181.2	8052.6	7832.3	7651.7	7535.4	7547.6
30°	7908.8	7936.3	8028.2	8245.5	8475.0	8634.2	8465.8	8205.7	7997.6	7856.8	7869.0
32.5°	8282.2	8300.6	8438.3	8664.8	8995.3	9179.0	8949.4	8640.3	8389.3	8217.9	8230.2
35°	8771.9	8787.2	8918.8	9206.5	9607.5	9778.9	9515.7	9160.6	8869.9	8707.6	8753.5
37.5°	9356.5	9384.0	9478.9	9763.6	10210.4	10378.8	10075.8	9745.2	9442.2	9292.2	9325.9
40°	9983.9	9980.9	10057.4	10308.4	10715.4	10819.5	10547.1	10283.9	10023.7	9925.8	9980.9
42.5°	10522.6	10507.3	10562.4	10770.5	11052.1	11061.3	10880.7	10733.8	10550.2	10482.8	10534.9
45°	10899.1	10905.2	10987.8	11131.7	11275.5	11199.0	11143.9	11119.5	10975.6	10883.8	10893.0
47.5°	11196.0	11220.5	11352.1	11450.0	11468.4	11339.8	11416.3	11453.1	11333.7	11192.9	11153.1
50°	11459.2	11499.0	11670.4	11774.4	11734.6	11572.4	11722.4	11777.5	11514.3	11244.9	11165.4
52.5°	11936.7	11982.6	12190.7	12325.4	12279.4	12117.2	12258.0	12062.1	11618.3	11287.8	11186.8
55°	12698.8	12720.2	12974.2	13194.6	13173.2	12974.2	12861.0	12426.4	11887.7	11544.9	11450.0
57.5°	12536.5	12573.3	13014.0	13601.7	13932.2	13751.6	13087.5	12346.8	11615.3	11202.1	11073.5
60°	9864.6	9953.3	10501.2	11535.7	12747.7	12744.7	11511.2	10360.4	9478.9	8931.1	8876.0
62.5°	5760.2	5821.4	6320.3	7367.1	8453.6	8520.9	7654.8	6865.1	6093.8	5723.5	5546.0
65°	2727.1	2724.0	2922.9	3394.3	4128.9	4187.0	3926.9	3495.3	3039.3	2913.8	2880.1
67.5°	2013.9	2013.9	1998.6	2032.3	2173.1	2203.7	2173.1	2102.7	2059.8	2087.4	2069.0
70°	1747.6	1750.7	1732.3	1723.2	1723.2	1714.0	1726.2	1753.8	1772.1	1808.9	1790.5
72.5°	1417.1	1420.2	1420.2	1423.2	1426.3	1414.0	1432.4	1447.7	1450.8	1463.0	1450.8
75°	1007.0	1013.1	1031.4	1046.8	1059.0	1059.0	1065.1	1068.2	1055.9	1071.2	1046.8
77.5°	554.0	560.1	593.8	621.3	648.9	651.9	661.1	667.2	661.1	673.3	655.0
80°	306.1	312.2	327.5	339.7	361.2	379.5	391.8	397.9	397.9	407.1	397.9
82.5°	174.5	180.6	189.8	195.9	214.2	229.6	241.8	251.0	251.0	254.0	247.9
85°	82.6	82.6	88.8	94.9	104.1	110.2	125.5	134.7	134.7	140.8	134.7
87.5°	12.2	15.3	18.4	18.4	24.5	30.6	36.7	39.8	45.9	49.0	49.0
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)