

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: P638839

Luminaire Tested: GWS-SA4F-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638839
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30056.5 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

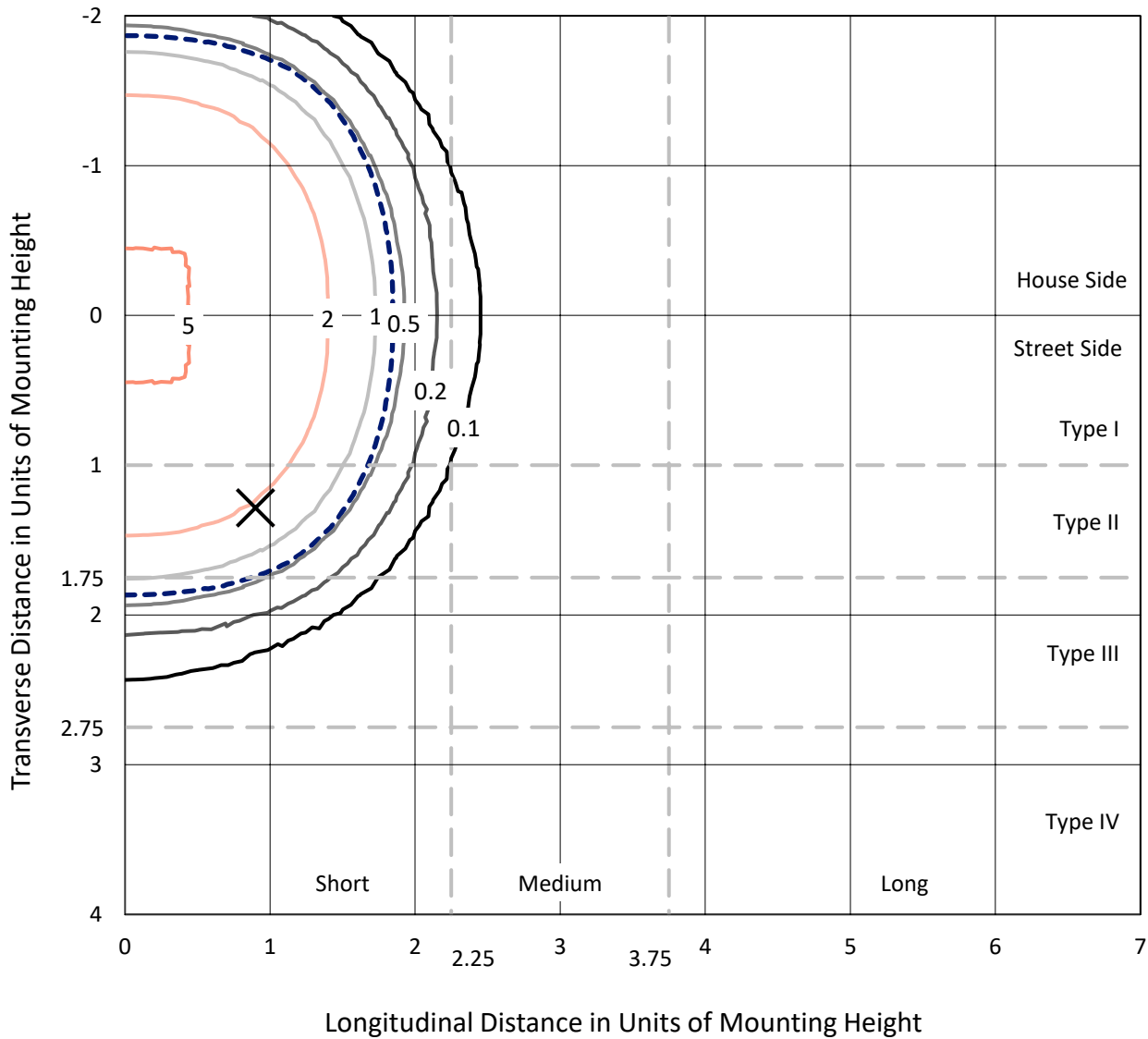
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

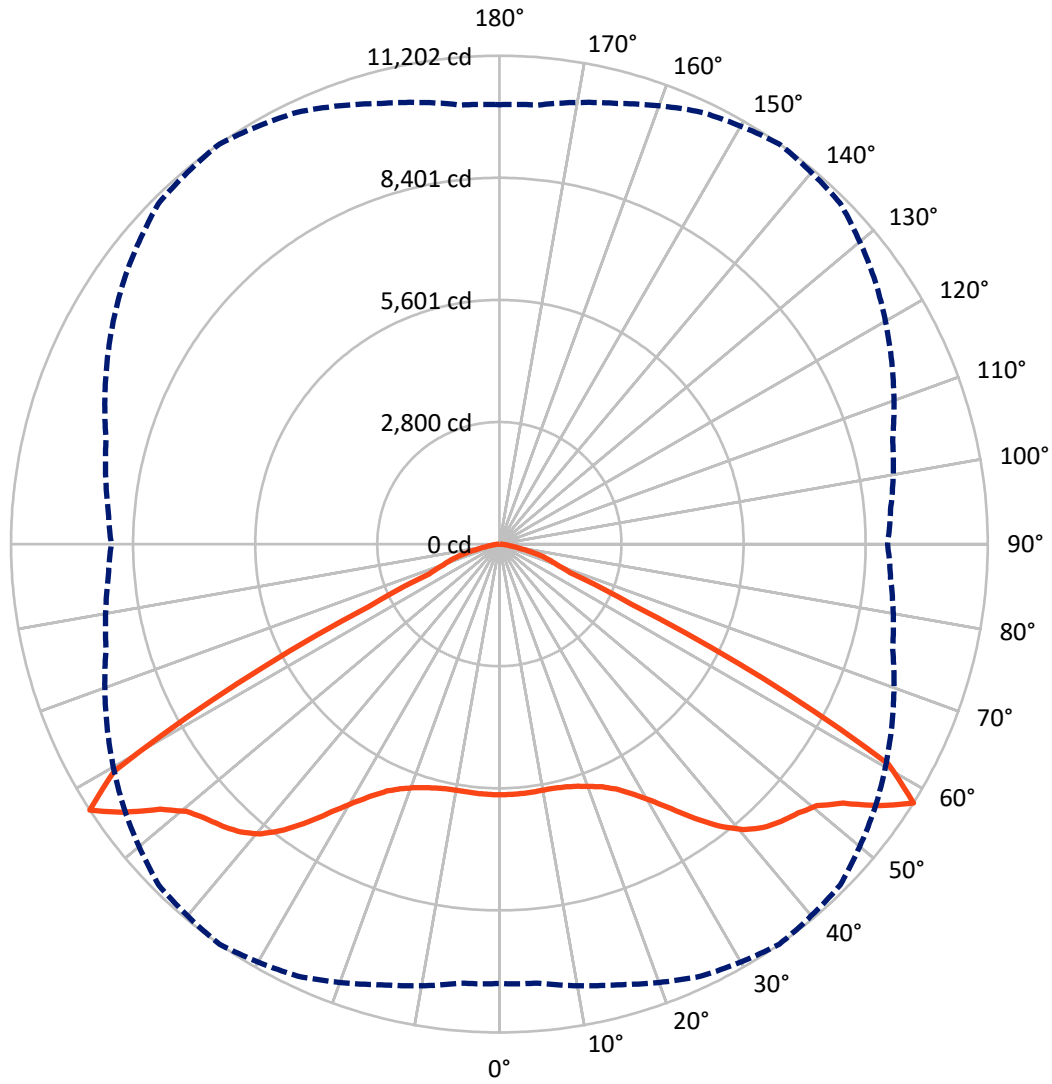
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 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	15028.2	0.0	15028.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15028.2	0.0	15028.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30056.5	0.0	30056.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.1	1.8
10°-20°	1632.3	5.4
20°-30°	2848.0	9.5
30°-40°	4670.2	15.5
40°-50°	6878.1	22.9
50°-60°	8777.6	29.2
60°-70°	3699.3	12.3
70°-80°	883.7	2.9
80°-90°	120.3	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°	30056.5	100.0
0°-180°	30056.5	100.0

Coefficient of Utilization



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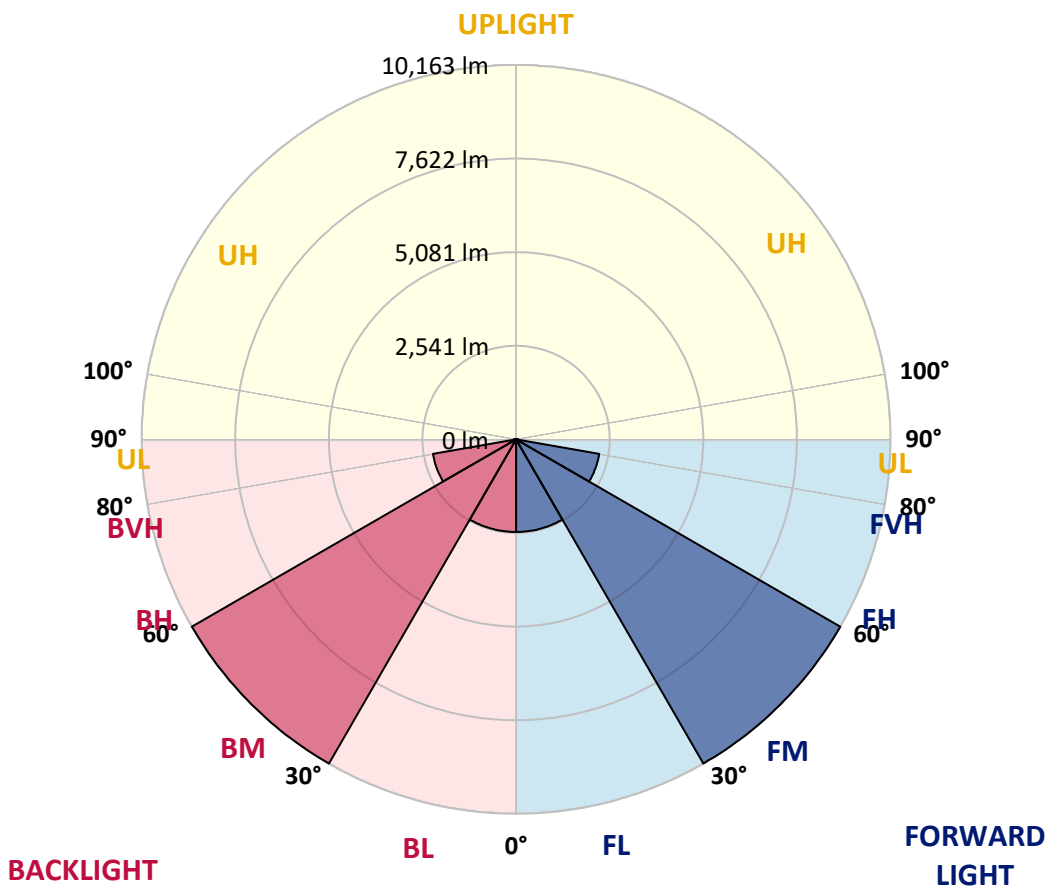
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2513.7	8.4			
FM (30°-60°)	10162.9	33.8			
FH (60°-80°)	2291.5	7.6			G2/5000
FVH (80°-90°)	60.1	0.2			G1/100
BL (0°-30°)	2513.7	8.4	B4/5000		
BM (30°-60°)	10162.9	33.8	B5		
BH (60°-80°)	2291.5	7.6	B3/2500		G2/5000
BVH (80°-90°)	60.1	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°	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0	5751.0
2.5°	5716.5	5716.5	5728.8	5741.1	5746.0	5768.2	5765.7	5758.3	5753.4	5738.7	5758.3
5°	5728.8	5728.8	5738.7	5746.0	5743.6	5760.8	5753.4	5741.1	5733.7	5719.0	5741.1
7.5°	5726.4	5726.4	5733.7	5741.1	5736.2	5751.0	5738.7	5721.4	5709.1	5694.4	5714.1
10°	5694.4	5699.3	5706.7	5723.9	5731.3	5753.4	5736.2	5709.1	5689.4	5672.2	5691.9
12.5°	5689.4	5694.4	5704.2	5726.4	5738.7	5770.7	5748.5	5704.2	5674.7	5652.5	5672.2
15°	5711.6	5716.5	5731.3	5758.3	5778.0	5812.5	5780.5	5719.0	5677.1	5647.6	5664.8
17.5°	5738.7	5746.0	5768.2	5807.6	5839.6	5876.5	5837.1	5763.3	5704.2	5664.8	5679.6
20°	5768.2	5778.0	5812.5	5871.5	5930.6	5977.4	5928.1	5829.7	5758.3	5706.7	5721.4
22.5°	5819.9	5832.2	5876.5	5960.1	6048.7	6117.6	6056.1	5923.2	5829.7	5763.3	5775.6
25°	5925.7	5940.5	5997.1	6097.9	6223.4	6307.1	6221.0	6070.9	5940.5	5859.2	5871.5
27.5°	6112.7	6120.1	6193.9	6326.8	6481.8	6577.8	6474.5	6297.3	6152.1	6058.6	6068.4
30°	6358.8	6380.9	6454.8	6629.5	6814.0	6942.0	6806.7	6597.5	6430.2	6317.0	6326.8
32.5°	6659.0	6673.8	6784.5	6966.6	7232.4	7380.0	7195.5	6946.9	6745.1	6607.3	6617.2
35°	7052.7	7065.1	7170.9	7402.2	7724.6	7862.4	7650.7	7365.3	7131.5	7001.1	7038.0
37.5°	7522.8	7544.9	7621.2	7850.1	8209.3	8344.7	8101.1	7835.3	7591.7	7471.1	7498.2
40°	8027.2	8024.8	8086.3	8288.1	8615.4	8699.0	8480.0	8268.4	8059.2	7980.5	8024.8
42.5°	8460.3	8448.0	8492.3	8659.7	8886.1	8893.5	8748.3	8630.1	8482.5	8428.4	8470.2
45°	8763.0	8767.9	8834.4	8950.1	9065.7	9004.2	8959.9	8940.2	8824.5	8750.7	8758.1
47.5°	9001.7	9021.4	9127.2	9206.0	9220.7	9117.4	9178.9	9208.4	9112.5	8999.3	8967.3
50°	9213.4	9245.4	9383.2	9466.8	9434.8	9304.4	9425.0	9469.3	9257.7	9041.1	8977.1
52.5°	9597.2	9634.2	9801.5	9909.8	9872.9	9742.4	9855.6	9698.1	9341.3	9075.6	8994.3
55°	10210.0	10227.2	10431.5	10608.7	10591.4	10431.5	10340.4	9991.0	9557.9	9282.3	9206.0
57.5°	10079.6	10109.1	10463.5	10935.9	11201.7	11056.5	10522.5	9927.0	9338.9	9006.6	8903.3
60°	7931.3	8002.6	8443.1	9274.9	10249.4	10246.9	9255.2	8329.9	7621.2	7180.7	7136.4
62.5°	4631.3	4680.5	5081.6	5923.2	6796.8	6851.0	6154.5	5519.6	4899.5	4601.8	4459.0
65°	2192.6	2190.1	2350.1	2729.1	3319.7	3366.4	3157.2	2810.3	2443.6	2342.7	2315.6
67.5°	1619.2	1619.2	1606.9	1634.0	1747.2	1771.8	1747.2	1690.6	1656.1	1678.3	1663.5
70°	1405.1	1407.6	1392.8	1385.4	1385.4	1378.1	1387.9	1410.1	1424.8	1454.4	1439.6
72.5°	1139.4	1141.8	1141.8	1144.3	1146.7	1136.9	1151.7	1164.0	1166.4	1176.3	1166.4
75°	809.6	814.5	829.3	841.6	851.4	851.4	856.4	858.8	849.0	861.3	841.6
77.5°	445.4	450.3	477.4	499.5	521.7	524.2	531.5	536.5	531.5	541.4	526.6
80°	246.1	251.0	263.3	273.2	290.4	305.1	315.0	319.9	319.9	327.3	319.9
82.5°	140.3	145.2	152.6	157.5	172.3	184.6	194.4	201.8	201.8	204.2	199.3
85°	66.4	66.4	71.4	76.3	83.7	88.6	100.9	108.3	108.3	113.2	108.3
87.5°	9.8	12.3	14.8	14.8	19.7	24.6	29.5	32.0	36.9	39.4	39.4
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)