

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: P641148

Luminaire Tested: GWS-SA5F-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25152.2 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

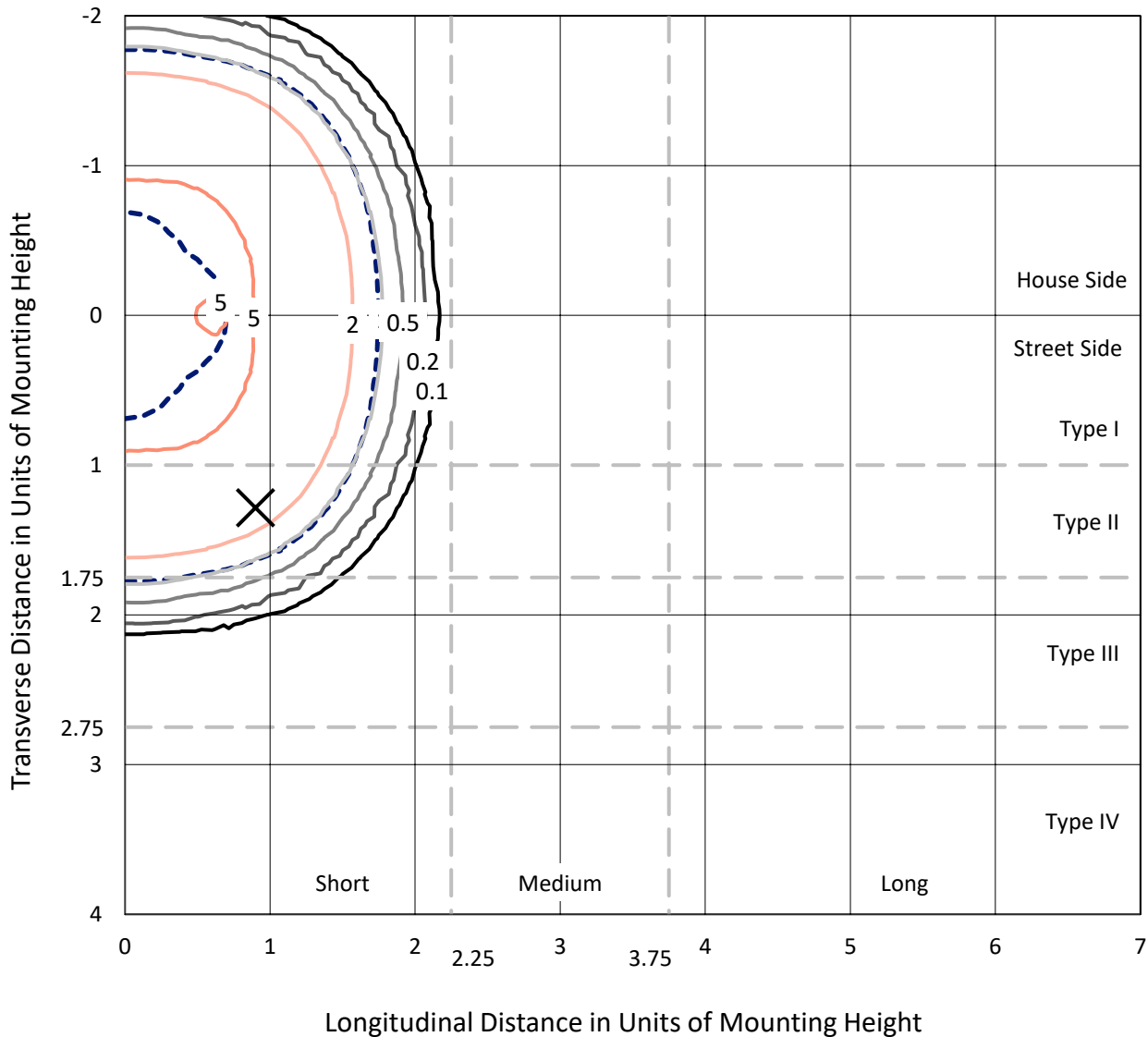
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

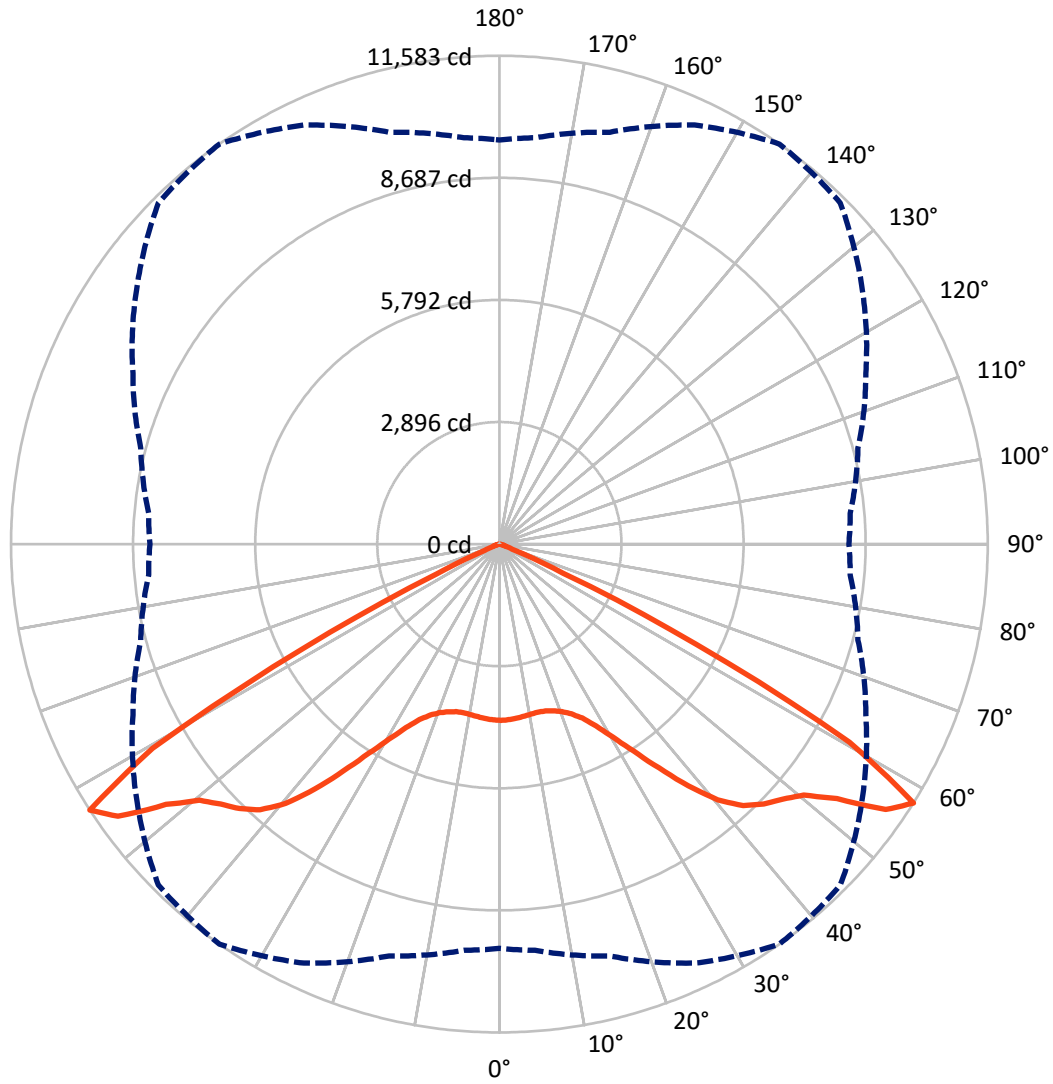
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	12576.1	0.0	12576.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12576.1	0.0	12576.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25152.2	0.0	25152.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.0	1.6
10°-20°	1159.0	4.6
20°-30°	2094.9	8.3
30°-40°	3908.2	15.5
40°-50°	6556.0	26.1
50°-60°	8657.8	34.4
60°-70°	2299.3	9.1
70°-80°	81.7	0.3
80°-90°	1.5	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°	25152.2	100.0
0°-180°	25152.2	100.0

Coefficient of Utilization



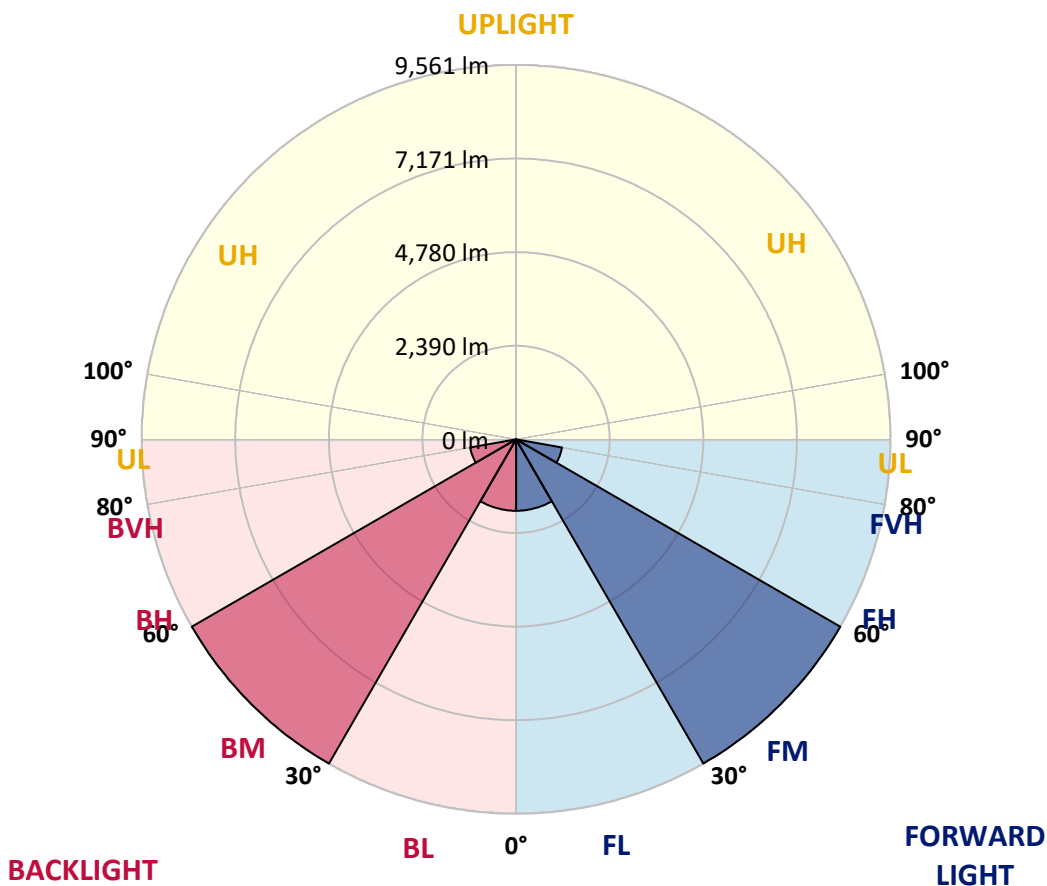
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1823.9	7.3			
FM (30°-60°)	9561.0	38.0			
FH (60°-80°)	1190.5	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1823.9	7.3	B3/2500		
BM (30°-60°)	9561.0	38.0	B5		
BH (60°-80°)	1190.5	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.7	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8	4181.8
2.5°	4152.3	4149.3	4161.1	4170.0	4170.0	4190.6	4184.7	4178.8	4172.9	4164.1	4184.7
5°	4146.4	4143.4	4152.3	4158.2	4152.3	4170.0	4158.2	4146.4	4140.5	4128.7	4152.3
7.5°	4119.8	4122.8	4128.7	4134.6	4125.7	4140.5	4125.7	4108.0	4093.2	4081.4	4102.1
10°	4078.5	4081.4	4087.3	4099.1	4102.1	4122.8	4102.1	4069.6	4049.0	4031.3	4051.9
12.5°	4057.8	4060.8	4069.6	4084.4	4087.3	4113.9	4087.3	4040.1	4010.6	3990.0	4010.6
15°	4063.7	4069.6	4081.4	4099.1	4105.0	4131.6	4096.2	4034.2	3992.9	3966.3	3984.1
17.5°	4084.4	4090.3	4108.0	4137.5	4158.2	4184.7	4140.5	4060.8	4004.7	3966.3	3984.1
20°	4111.0	4119.8	4149.3	4196.5	4240.8	4288.0	4231.9	4122.8	4049.0	4001.8	4016.5
22.5°	4184.7	4193.6	4234.9	4296.9	4370.7	4429.7	4361.8	4223.1	4122.8	4060.8	4075.5
25°	4335.2	4344.1	4397.2	4476.9	4571.3	4648.1	4562.5	4388.4	4258.5	4187.7	4193.6
27.5°	4571.3	4580.2	4642.2	4754.3	4881.2	4990.4	4866.4	4662.8	4515.3	4432.6	4432.6
30°	4869.4	4881.2	4963.8	5114.3	5312.1	5456.7	5288.5	5040.6	4851.7	4739.5	4742.5
32.5°	5253.0	5241.2	5359.3	5565.9	5846.2	6038.1	5790.2	5489.1	5256.0	5099.6	5114.3
35°	5745.9	5742.9	5875.7	6156.1	6522.0	6752.2	6457.1	6067.6	5787.2	5627.8	5630.8
37.5°	6380.4	6377.4	6530.9	6834.9	7274.6	7466.4	7135.9	6740.4	6439.4	6285.9	6303.7
40°	7124.1	7106.4	7242.1	7534.3	7974.0	8098.0	7737.9	7419.2	7130.0	7032.6	7079.8
42.5°	7832.4	7794.0	7873.7	8139.3	8478.7	8496.4	8224.9	8006.5	7808.7	7732.0	7761.5
45°	8401.9	8372.4	8446.2	8599.7	8794.4	8705.9	8576.0	8508.2	8348.8	8266.2	8292.7
47.5°	8826.9	8826.9	8915.4	9009.9	9039.4	8877.1	8897.7	8897.7	8738.4	8608.5	8576.0
50°	9192.8	9219.4	9352.2	9449.6	9352.2	9145.6	9263.7	9240.1	8915.4	8655.7	8587.8
52.5°	9777.2	9803.7	10007.3	10140.2	10031.0	9827.3	9842.1	9547.0	9068.9	8762.0	8655.7
55°	10396.9	10461.8	10756.9	11111.1	11114.0	10904.5	10514.9	9992.6	9411.2	9077.7	8968.5
57.5°	9585.3	9673.9	10113.6	10966.5	11583.3	11438.7	10509.0	9591.2	8806.2	8351.8	8289.8
60°	6595.8	6749.3	7189.0	8354.7	9544.0	9600.1	8502.3	7472.3	6572.2	6011.5	6023.3
62.5°	2785.9	2942.3	3190.2	4149.3	5241.2	5309.1	4777.9	4040.1	3305.3	2901.0	2963.0
65°	655.2	699.4	773.2	1148.0	1664.4	1741.2	1605.4	1251.3	923.7	782.1	796.8
67.5°	286.3	292.2	277.4	295.1	365.9	374.8	363.0	318.7	301.0	306.9	306.9
70°	200.7	203.6	191.8	183.0	174.1	162.3	168.2	185.9	200.7	212.5	209.5
72.5°	123.9	126.9	129.9	129.9	121.0	109.2	115.1	126.9	129.9	132.8	129.9
75°	62.0	64.9	70.8	73.8	70.8	67.9	67.9	70.8	70.8	67.9	67.9
77.5°	11.8	14.8	20.7	23.6	23.6	23.6	23.6	23.6	26.6	23.6	23.6
80°	3.0	3.0	5.9	3.0	3.0	3.0	3.0	3.0	3.0	5.9	5.9
82.5°	3.0	3.0	3.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)