

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: P636254

Luminaire Tested: GWS-SA3F-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636254  
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-SA3F-740-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

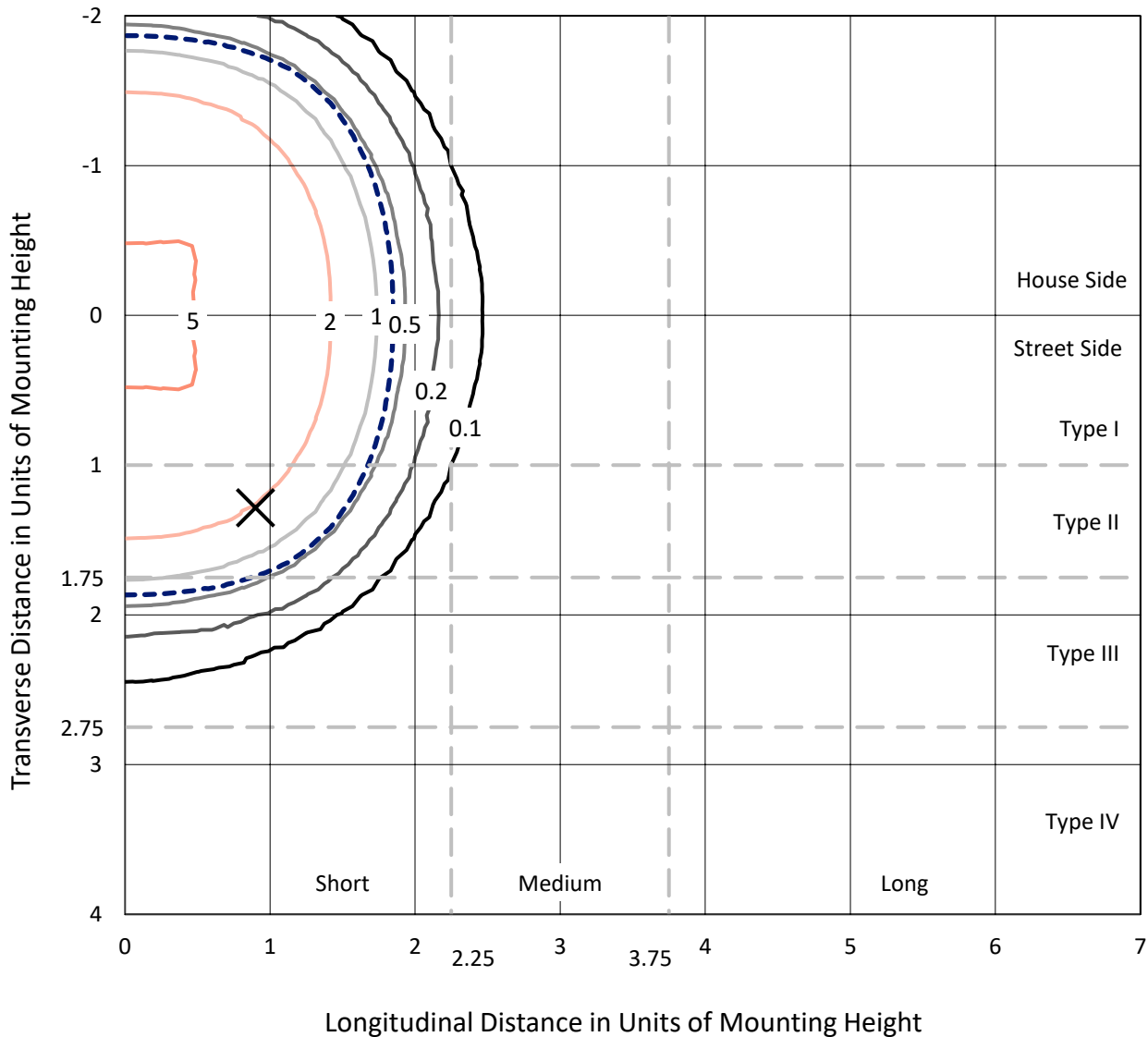
Lumens per Lamp: N/A  
Luminaire Lumens: 21408.6 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

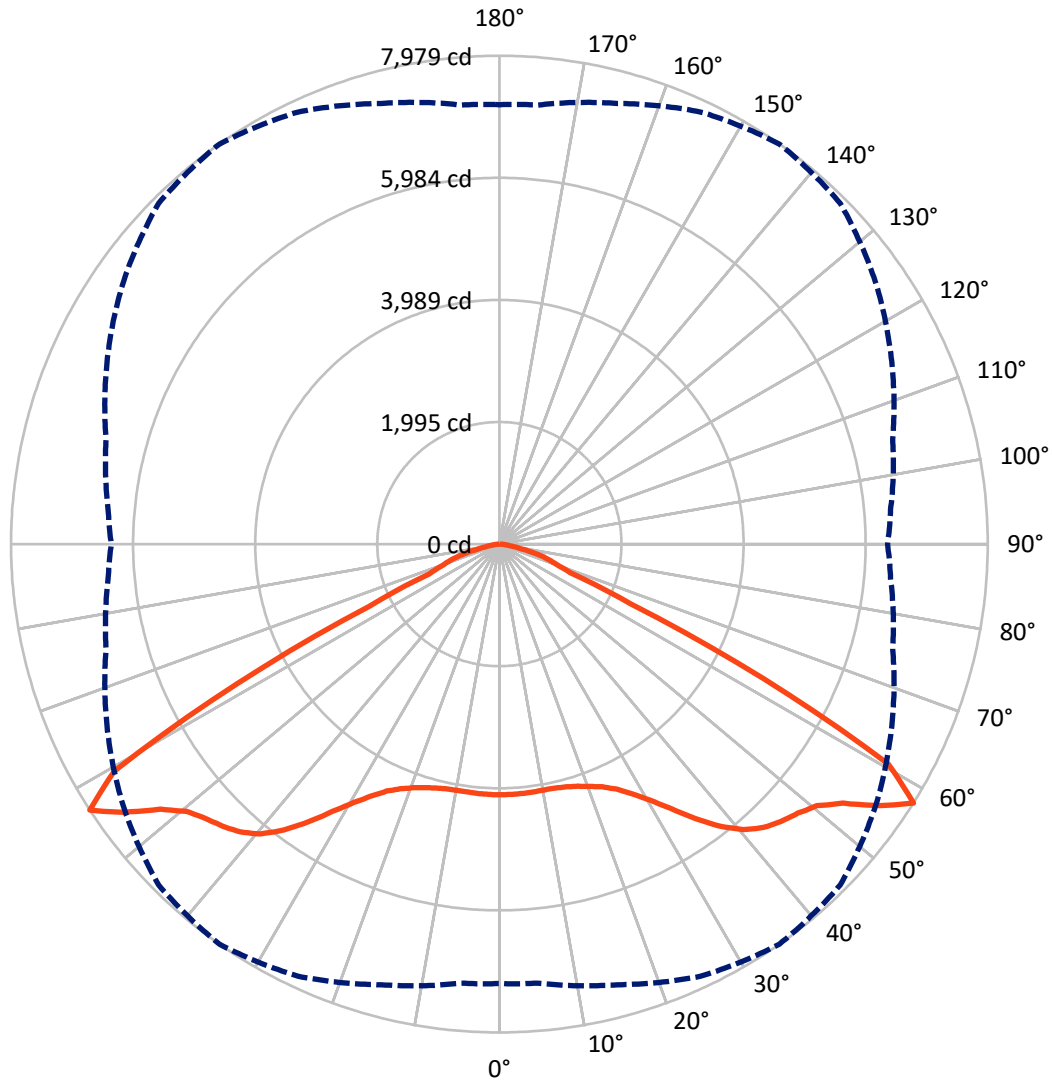
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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
<b>House Side</b>	Lumens	10704.3	0.0	10704.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10704.3	0.0	10704.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21408.6	0.0	21408.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.7	1.8
10°-20°	1162.6	5.4
20°-30°	2028.6	9.5
30°-40°	3326.5	15.5
40°-50°	4899.1	22.9
50°-60°	6252.1	29.2
60°-70°	2634.9	12.3
70°-80°	629.4	2.9
80°-90°	85.7	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°	21408.6	100.0
0°-180°	21408.6	100.0

**Coefficient of Utilization**



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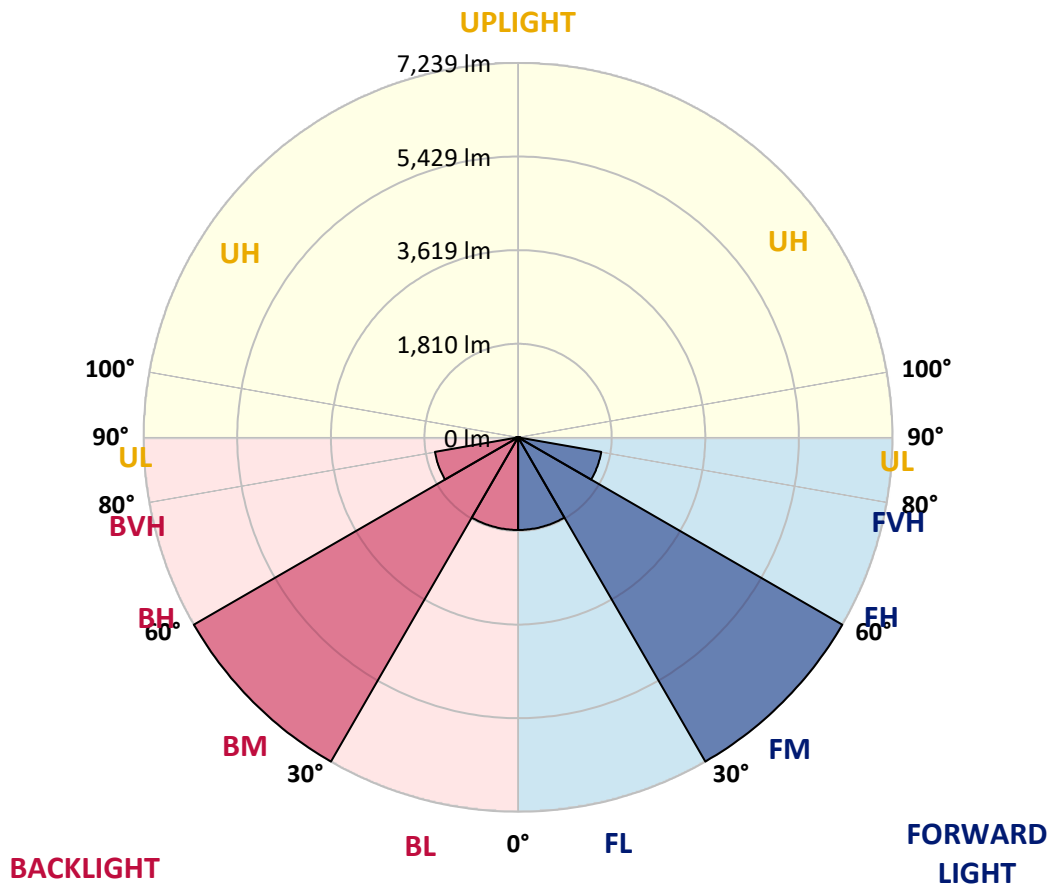
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.5	8.4			
FM (30°-60°)	7238.8	33.8			
FH (60°-80°)	1632.2	7.6			G1/1800
FVH (80°-90°)	42.8	0.2			G1/100
BL (0°-30°)	1790.5	8.4	B3/2500		
BM (30°-60°)	7238.8	33.8	B4/8500		
BH (60°-80°)	1632.2	7.6	B3/2500		G1/1800
BVH (80°-90°)	42.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3	4096.3
2.5°	4071.8	4071.8	4080.5	4089.3	4092.8	4108.6	4106.8	4101.5	4098.0	4087.5	4101.5
5°	4080.5	4080.5	4087.5	4092.8	4091.0	4103.3	4098.0	4089.3	4084.0	4073.5	4089.3
7.5°	4078.8	4078.8	4084.0	4089.3	4085.8	4096.3	4087.5	4075.3	4066.5	4056.0	4070.0
10°	4056.0	4059.5	4064.7	4077.0	4082.3	4098.0	4085.8	4066.5	4052.5	4040.2	4054.2
12.5°	4052.5	4056.0	4063.0	4078.8	4087.5	4110.3	4094.5	4063.0	4042.0	4026.2	4040.2
15°	4068.2	4071.8	4082.3	4101.5	4115.6	4140.1	4117.3	4073.5	4043.7	4022.7	4034.9
17.5°	4087.5	4092.8	4108.6	4136.6	4159.4	4185.7	4157.6	4105.1	4063.0	4034.9	4045.5
20°	4108.6	4115.6	4140.1	4182.2	4224.2	4257.5	4222.5	4152.4	4101.5	4064.7	4075.3
22.5°	4145.4	4154.1	4185.7	4245.3	4308.4	4357.5	4313.6	4219.0	4152.4	4105.1	4113.8
25°	4220.7	4231.3	4271.6	4343.4	4432.8	4492.4	4431.1	4324.2	4231.3	4173.4	4182.2
27.5°	4354.0	4359.2	4411.8	4506.4	4616.9	4685.2	4611.6	4485.4	4382.0	4315.4	4322.4
30°	4529.2	4545.0	4597.6	4722.0	4853.5	4944.6	4848.2	4699.3	4580.1	4499.4	4506.4
32.5°	4743.1	4753.6	4832.5	4962.2	5151.5	5256.6	5125.2	4948.2	4804.4	4706.3	4713.3
35°	5023.5	5032.3	5107.7	5272.4	5502.0	5600.2	5449.5	5246.1	5079.6	4986.7	5013.0
37.5°	5358.3	5374.1	5428.4	5591.4	5847.3	5943.7	5770.2	5580.9	5407.4	5321.5	5340.8
40°	5717.6	5715.9	5759.7	5903.4	6136.5	6196.1	6040.1	5889.4	5740.4	5684.3	5715.9
42.5°	6026.1	6017.4	6048.9	6168.1	6329.4	6334.6	6231.2	6147.1	6041.9	6003.3	6033.1
45°	6241.7	6245.2	6292.5	6374.9	6457.3	6413.5	6381.9	6367.9	6285.5	6233.0	6238.2
47.5°	6411.7	6425.8	6501.1	6557.2	6567.7	6494.1	6537.9	6559.0	6490.6	6410.0	6387.2
50°	6562.5	6585.3	6683.4	6743.0	6720.2	6627.3	6713.2	6744.8	6594.0	6439.8	6394.2
52.5°	6835.9	6862.2	6981.4	7058.5	7032.2	6939.3	7020.0	6907.8	6653.6	6464.3	6406.5
55°	7272.4	7284.6	7430.1	7556.3	7544.0	7430.1	7365.3	7116.4	6807.9	6611.6	6557.2
57.5°	7179.5	7200.5	7452.9	7789.4	7978.7	7875.3	7495.0	7070.8	6651.9	6415.2	6341.6
60°	5649.3	5700.1	6013.9	6606.3	7300.4	7298.7	6592.3	5933.2	5428.4	5114.7	5083.1
62.5°	3298.8	3333.8	3619.5	4219.0	4841.2	4879.8	4383.7	3931.5	3489.8	3277.7	3176.1
65°	1561.7	1560.0	1673.9	1943.9	2364.5	2397.8	2248.8	2001.7	1740.5	1668.7	1649.4
67.5°	1153.3	1153.3	1144.6	1163.9	1244.5	1262.0	1244.5	1204.2	1179.6	1195.4	1184.9
70°	1000.8	1002.6	992.1	986.8	986.8	981.6	988.6	1004.4	1014.9	1035.9	1025.4
72.5°	811.5	813.3	813.3	815.1	816.8	809.8	820.3	829.1	830.8	837.8	830.8
75°	576.7	580.2	590.7	599.5	606.5	606.5	610.0	611.7	604.7	613.5	599.5
77.5°	317.3	320.8	340.0	355.8	371.6	373.3	378.6	382.1	378.6	385.6	375.1
80°	175.3	178.8	187.5	194.6	206.8	217.3	224.4	227.9	227.9	233.1	227.9
82.5°	99.9	103.4	108.7	112.2	122.7	131.5	138.5	143.7	143.7	145.5	142.0
85°	47.3	47.3	50.8	54.3	59.6	63.1	71.9	77.1	77.1	80.6	77.1
87.5°	7.0	8.8	10.5	10.5	14.0	17.5	21.0	22.8	26.3	28.0	28.0
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)