

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: P635814

Luminaire Tested: GWS-SA3E-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635814  
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

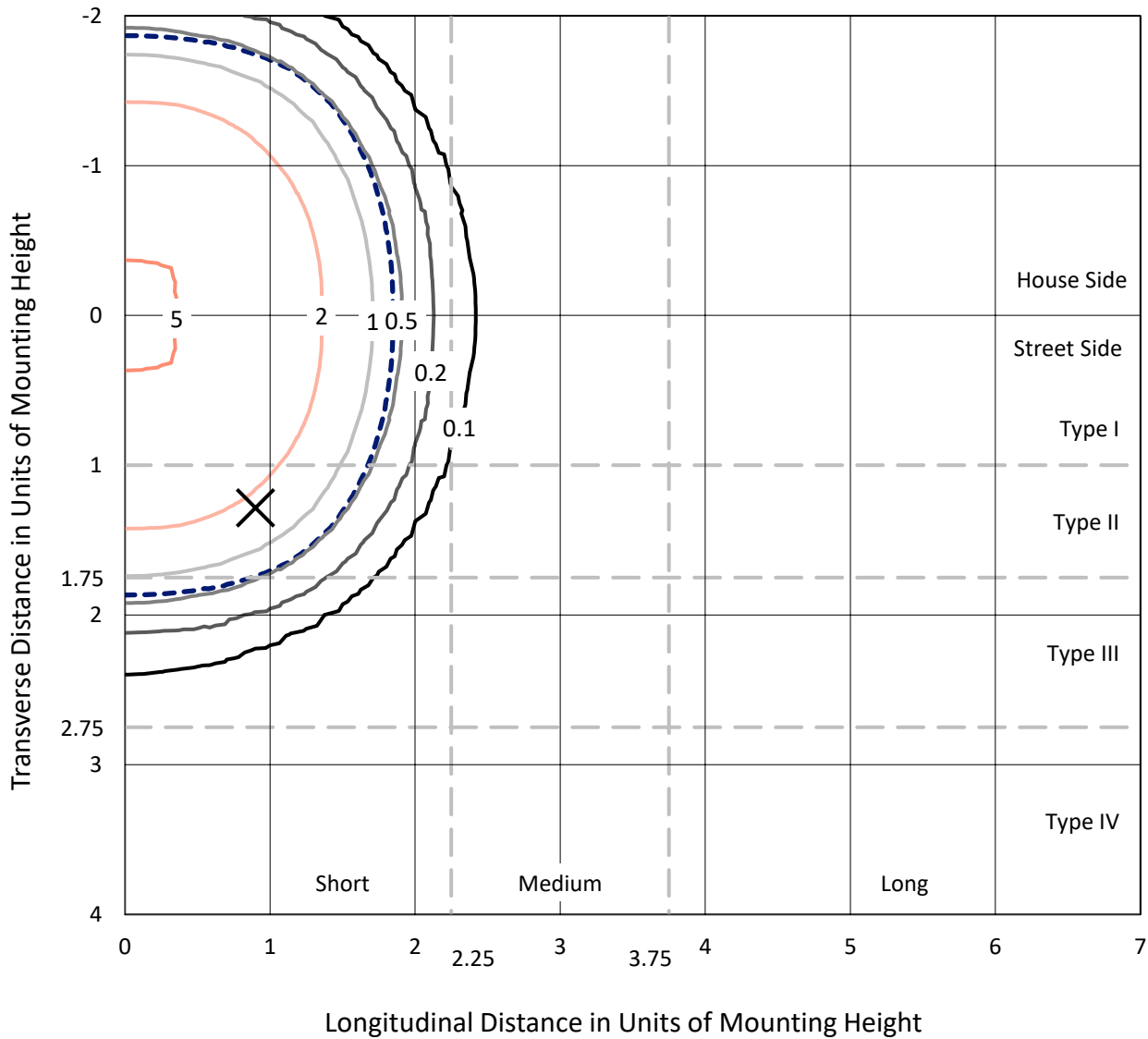
Lumens per Lamp: N/A  
Luminaire Lumens: 19696.7 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

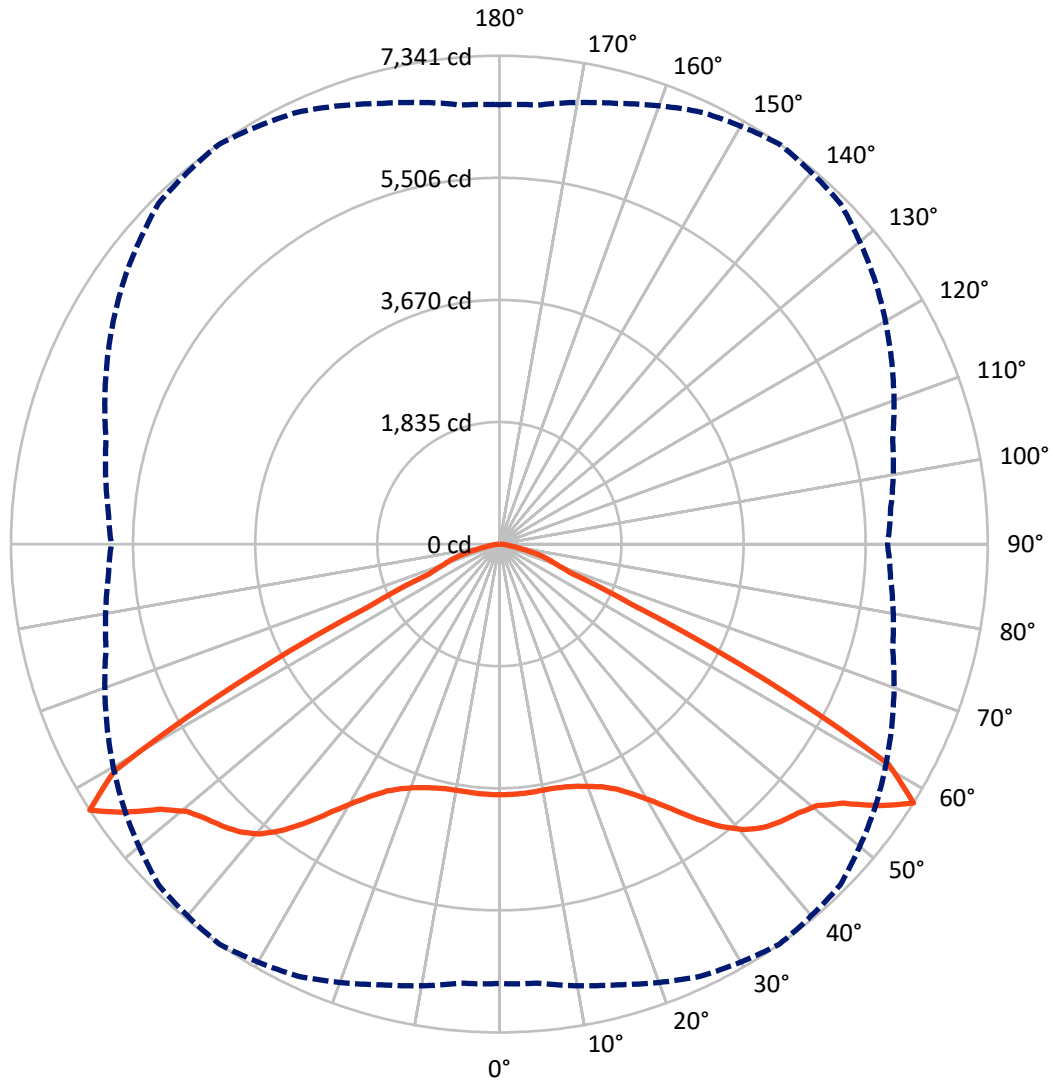
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	9848.4	0.0	9848.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9848.4	0.0	9848.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19696.7	0.0	19696.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.5	1.8
10°-20°	1069.7	5.4
20°-30°	1866.4	9.5
30°-40°	3060.5	15.5
40°-50°	4507.3	22.9
50°-60°	5752.2	29.2
60°-70°	2424.2	12.3
70°-80°	579.1	2.9
80°-90°	78.8	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°	19696.7	100.0
0°-180°	19696.7	100.0

**Coefficient of Utilization**



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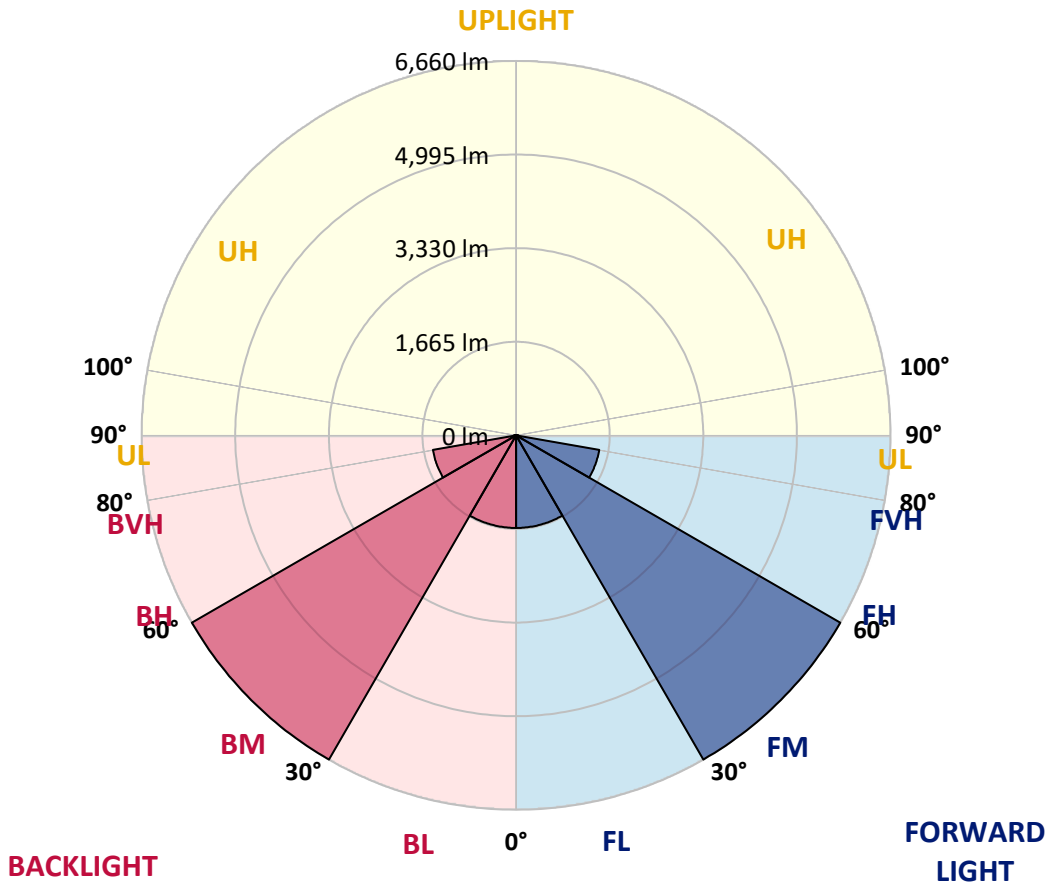
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1647.3	8.4			
FM (30°-60°)	6660.0	33.8			
FH (60°-80°)	1501.7	7.6			G1/1800
FVH (80°-90°)	39.4	0.2			G1/100
BL (0°-30°)	1647.3	8.4	B3/2500		
BM (30°-60°)	6660.0	33.8	B4/8500		
BH (60°-80°)	1501.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	39.4	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°	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7	3768.7
2.5°	3746.2	3746.2	3754.2	3762.3	3765.5	3780.0	3778.4	3773.6	3770.4	3760.7	3773.6
5°	3754.2	3754.2	3760.7	3765.5	3763.9	3775.2	3770.4	3762.3	3757.4	3747.8	3762.3
7.5°	3752.6	3752.6	3757.4	3762.3	3759.1	3768.7	3760.7	3749.4	3741.3	3731.6	3744.5
10°	3731.6	3734.9	3739.7	3751.0	3755.8	3770.4	3759.1	3741.3	3728.4	3717.1	3730.0
12.5°	3728.4	3731.6	3738.1	3752.6	3760.7	3781.6	3767.1	3738.1	3718.7	3704.2	3717.1
15°	3742.9	3746.2	3755.8	3773.6	3786.5	3809.1	3788.1	3747.8	3720.4	3701.0	3712.3
17.5°	3760.7	3765.5	3780.0	3805.8	3826.8	3851.0	3825.2	3776.8	3738.1	3712.3	3722.0
20°	3780.0	3786.5	3809.1	3847.8	3886.5	3917.1	3884.8	3820.3	3773.6	3739.7	3749.4
22.5°	3813.9	3822.0	3851.0	3905.8	3963.9	4009.0	3968.7	3881.6	3820.3	3776.8	3784.9
25°	3883.2	3892.9	3930.0	3996.1	4078.4	4133.2	4076.8	3978.4	3892.9	3839.7	3847.8
27.5°	4005.8	4010.6	4059.0	4146.1	4247.7	4310.6	4242.9	4126.7	4031.6	3970.3	3976.8
30°	4167.1	4181.6	4230.0	4344.5	4465.4	4549.3	4460.6	4323.5	4213.8	4139.6	4146.1
32.5°	4363.8	4373.5	4446.0	4565.4	4739.5	4836.3	4715.4	4552.5	4420.2	4329.9	4336.4
35°	4621.8	4629.9	4699.2	4850.8	5062.1	5152.4	5013.7	4826.6	4673.4	4588.0	4612.1
37.5°	4929.8	4944.4	4994.3	5144.3	5379.8	5468.5	5308.8	5134.6	4975.0	4896.0	4913.7
40°	5260.4	5258.8	5299.1	5431.4	5645.9	5700.7	5557.2	5418.5	5281.4	5229.8	5258.8
42.5°	5544.3	5536.2	5565.2	5674.9	5823.2	5828.1	5732.9	5655.5	5558.8	5523.3	5550.7
45°	5742.6	5745.8	5789.4	5865.2	5941.0	5900.6	5871.6	5858.7	5782.9	5734.5	5739.4
47.5°	5899.0	5911.9	5981.3	6032.9	6042.6	5974.8	6015.1	6034.5	5971.6	5897.4	5876.5
50°	6037.7	6058.7	6149.0	6203.8	6182.9	6097.4	6176.4	6205.4	6066.7	5924.8	5882.9
52.5°	6289.3	6313.5	6423.1	6494.1	6469.9	6384.4	6458.6	6355.4	6121.6	5947.4	5894.2
55°	6690.8	6702.1	6836.0	6952.1	6940.8	6836.0	6776.3	6547.3	6263.5	6082.9	6032.9
57.5°	6605.4	6624.7	6856.9	7166.6	7340.7	7245.6	6895.6	6505.4	6120.0	5902.3	5834.5
60°	5197.5	5244.3	5533.0	6078.0	6716.6	6715.0	6065.1	5458.8	4994.3	4705.7	4676.7
62.5°	3035.0	3067.2	3330.1	3881.6	4454.1	4489.6	4033.2	3617.2	3210.8	3015.6	2922.1
65°	1436.9	1435.2	1540.1	1788.4	2175.5	2206.1	2069.0	1841.6	1601.4	1535.2	1517.5
67.5°	1061.1	1061.1	1053.1	1070.8	1145.0	1161.1	1145.0	1107.9	1085.3	1099.8	1090.1
70°	920.8	922.4	912.8	907.9	907.9	903.1	909.5	924.0	933.7	953.1	943.4
72.5°	746.7	748.3	748.3	749.9	751.5	745.0	754.7	762.8	764.4	770.8	764.4
75°	530.6	533.8	543.5	551.5	558.0	558.0	561.2	562.8	556.4	564.4	551.5
77.5°	291.9	295.1	312.9	327.4	341.9	343.5	348.3	351.6	348.3	354.8	345.1
80°	161.3	164.5	172.6	179.0	190.3	200.0	206.4	209.6	209.6	214.5	209.6
82.5°	91.9	95.1	100.0	103.2	112.9	120.9	127.4	132.2	132.2	133.8	130.6
85°	43.5	43.5	46.8	50.0	54.8	58.1	66.1	71.0	71.0	74.2	71.0
87.5°	6.5	8.1	9.7	9.7	12.9	16.1	19.4	21.0	24.2	25.8	25.8
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)