

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: P637794

Luminaire Tested: GWS-SA4D-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637794  
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-SA4D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

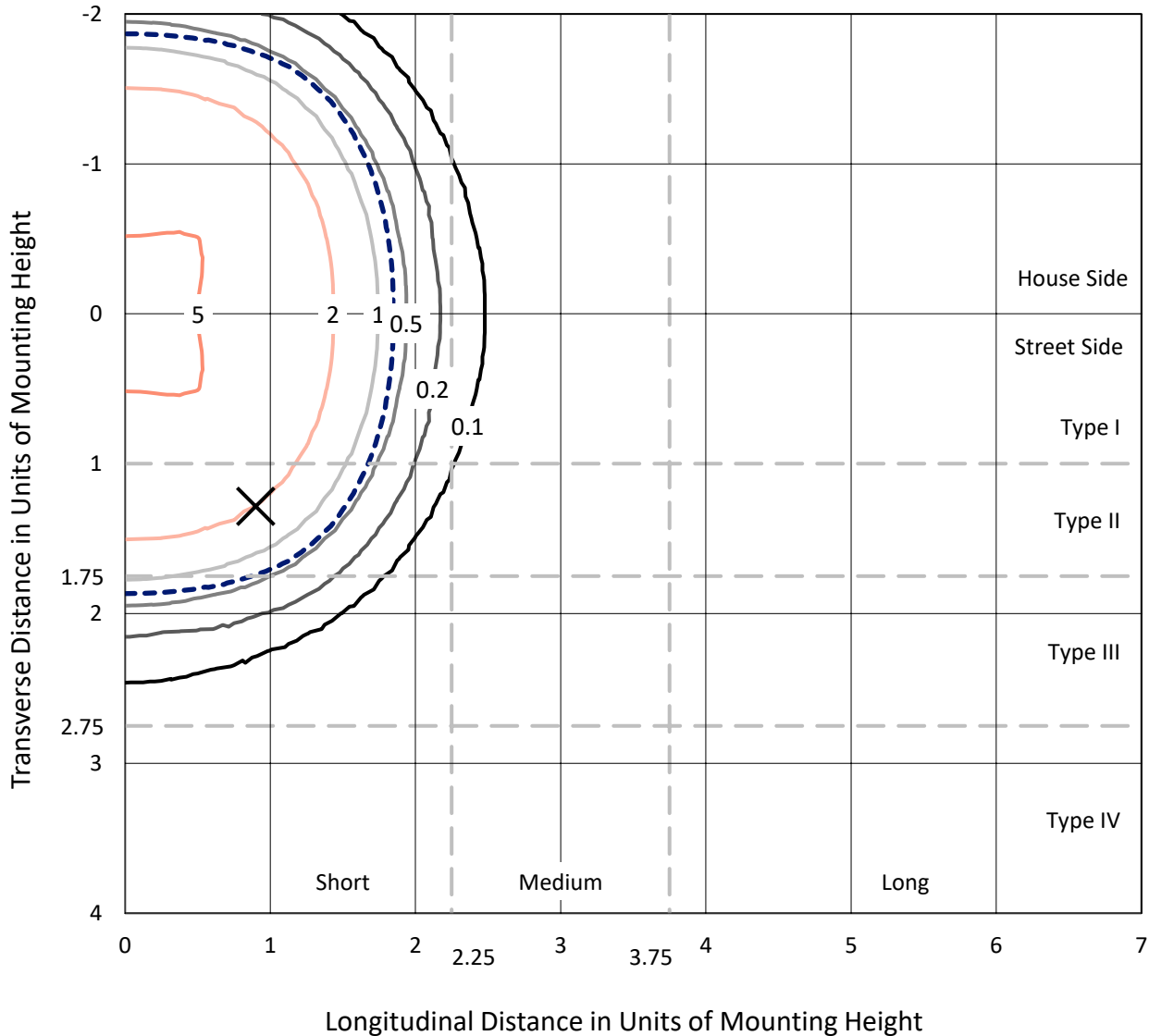
Lumens per Lamp: N/A  
Luminaire Lumens: 21933.6 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

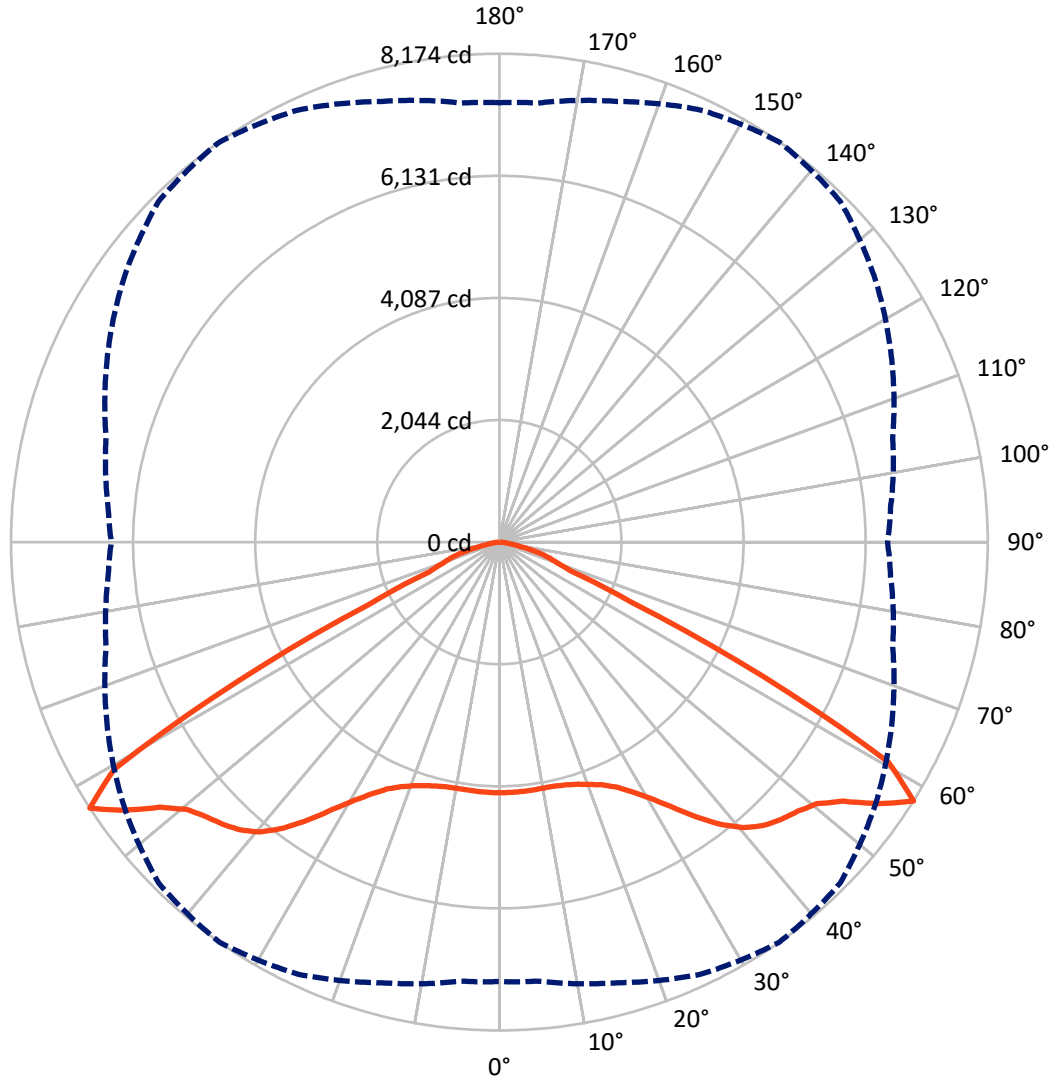
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	10966.8	0.0	10966.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10966.8	0.0	10966.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21933.6	0.0	21933.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.2	1.8
10°-20°	1191.2	5.4
20°-30°	2078.3	9.5
30°-40°	3408.0	15.5
40°-50°	5019.2	22.9
50°-60°	6405.4	29.2
60°-70°	2699.5	12.3
70°-80°	644.9	2.9
80°-90°	87.8	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°	21933.6	100.0
0°-180°	21933.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637794

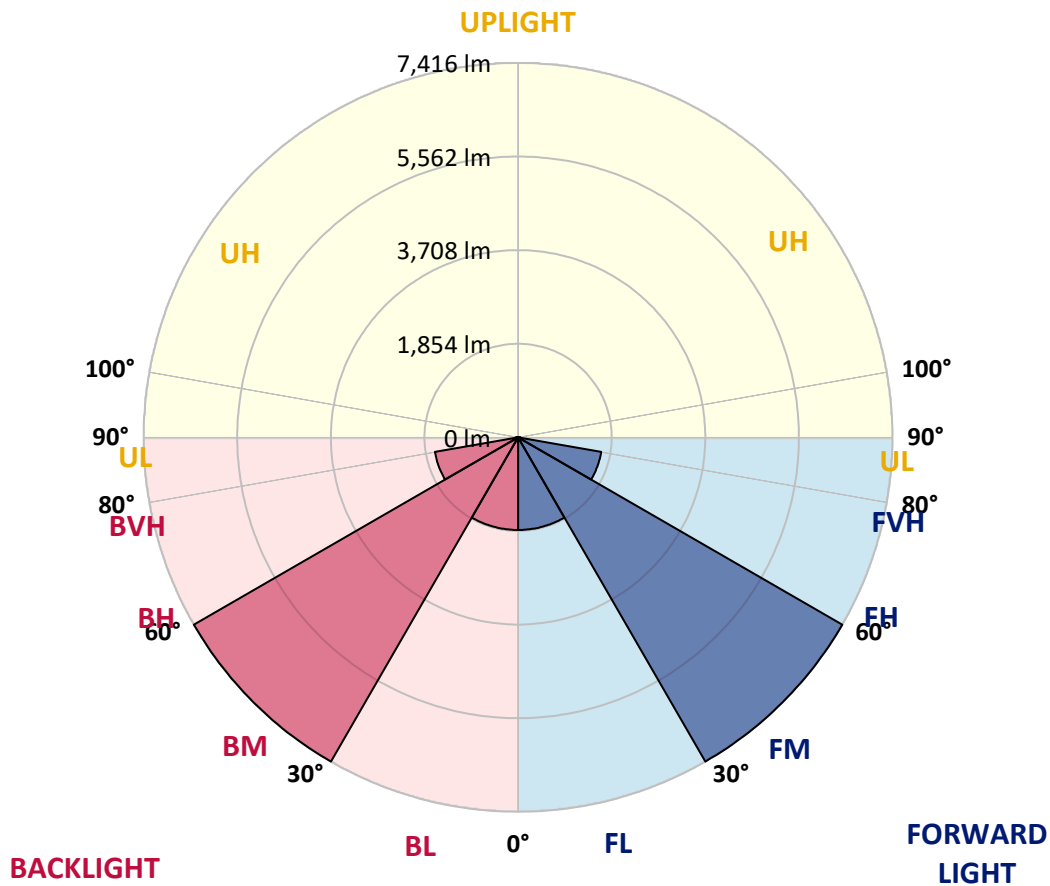
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1834.4	8.4			
FM (30°-60°)	7416.3	33.8			
FH (60°-80°)	1672.2	7.6			G1/1800
FVH (80°-90°)	43.9	0.2			G1/100
BL (0°-30°)	1834.4	8.4	B3/2500		
BM (30°-60°)	7416.3	33.8	B4/8500		
BH (60°-80°)	1672.2	7.6	B3/2500		G1/1800
BVH (80°-90°)	43.9	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°	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7	4196.7
2.5°	4171.6	4171.6	4180.6	4189.6	4193.2	4209.3	4207.5	4202.1	4198.5	4187.8	4202.1
5°	4180.6	4180.6	4187.8	4193.2	4191.4	4203.9	4198.5	4189.6	4184.2	4173.4	4189.6
7.5°	4178.8	4178.8	4184.2	4189.6	4186.0	4196.7	4187.8	4175.2	4166.2	4155.4	4169.8
10°	4155.4	4159.0	4164.4	4177.0	4182.4	4198.5	4186.0	4166.2	4151.8	4139.3	4153.6
12.5°	4151.8	4155.4	4162.6	4178.8	4187.8	4211.1	4194.9	4162.6	4141.1	4124.9	4139.3
15°	4168.0	4171.6	4182.4	4202.1	4216.5	4241.6	4218.3	4173.4	4142.9	4121.3	4133.9
17.5°	4187.8	4193.2	4209.3	4238.0	4261.4	4288.3	4259.6	4205.7	4162.6	4133.9	4144.7
20°	4209.3	4216.5	4241.6	4284.7	4327.8	4362.0	4326.0	4254.2	4202.1	4164.4	4175.2
22.5°	4247.0	4256.0	4288.3	4349.4	4414.0	4464.3	4419.4	4322.4	4254.2	4205.7	4214.7
25°	4324.2	4335.0	4376.3	4449.9	4541.5	4602.6	4539.7	4430.2	4335.0	4275.8	4284.7
27.5°	4460.7	4466.1	4520.0	4617.0	4730.1	4800.1	4724.7	4595.4	4489.5	4421.2	4428.4
30°	4640.3	4656.5	4710.3	4837.8	4972.5	5065.9	4967.1	4814.5	4692.4	4609.8	4617.0
32.5°	4859.4	4870.2	4951.0	5083.9	5277.8	5385.6	5250.9	5069.5	4922.2	4821.7	4828.9
35°	5146.7	5155.7	5232.9	5401.7	5637.0	5737.5	5583.1	5374.8	5204.2	5109.0	5135.9
37.5°	5489.7	5505.9	5561.5	5728.5	5990.7	6089.5	5911.7	5717.8	5540.0	5452.0	5471.7
40°	5857.8	5856.0	5900.9	6048.2	6287.0	6348.1	6188.3	6033.8	5881.2	5823.7	5856.0
42.5°	6173.9	6164.9	6197.2	6319.4	6484.6	6490.0	6384.0	6297.8	6190.1	6150.6	6181.1
45°	6394.8	6398.4	6446.9	6531.3	6615.7	6570.8	6538.4	6524.1	6439.7	6385.8	6391.2
47.5°	6569.0	6583.3	6660.6	6718.0	6728.8	6653.4	6698.3	6719.8	6649.8	6567.2	6543.8
50°	6723.4	6746.8	6847.3	6908.4	6885.0	6789.9	6877.8	6910.2	6755.7	6597.7	6551.0
52.5°	7003.6	7030.5	7152.6	7231.6	7204.7	7109.5	7192.1	7077.2	6816.8	6622.8	6563.6
55°	7450.7	7463.3	7612.3	7741.6	7729.0	7612.3	7545.9	7290.9	6974.8	6773.7	6718.0
57.5°	7355.5	7377.1	7635.7	7980.5	8174.4	8068.5	7678.8	7244.2	6815.0	6572.6	6497.1
60°	5787.8	5839.9	6161.3	6768.3	7479.4	7477.6	6753.9	6078.7	5561.5	5240.1	5207.8
62.5°	3379.7	3415.6	3708.3	4322.4	4960.0	4999.5	4491.3	4027.9	3575.4	3358.1	3254.0
65°	1600.0	1598.2	1715.0	1991.5	2422.5	2456.6	2304.0	2050.8	1783.2	1709.6	1689.8
67.5°	1181.6	1181.6	1172.6	1192.4	1275.0	1293.0	1275.0	1233.7	1208.6	1224.7	1213.9
70°	1025.4	1027.2	1016.4	1011.0	1011.0	1005.6	1012.8	1029.0	1039.8	1061.3	1050.5
72.5°	831.4	833.2	833.2	835.0	836.8	829.7	840.4	849.4	851.2	858.4	851.2
75°	590.8	594.4	605.2	614.2	621.3	621.3	624.9	626.7	619.5	628.5	614.2
77.5°	325.0	328.6	348.4	364.5	380.7	382.5	387.9	391.5	387.9	395.1	384.3
80°	179.6	183.2	192.1	199.3	211.9	222.7	229.9	233.5	233.5	238.8	233.5
82.5°	102.4	106.0	111.3	114.9	125.7	134.7	141.9	147.3	147.3	149.0	145.5
85°	48.5	48.5	52.1	55.7	61.1	64.6	73.6	79.0	79.0	82.6	79.0
87.5°	7.2	9.0	10.8	10.8	14.4	18.0	21.5	23.3	26.9	28.7	28.7
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)