

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: P637800

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

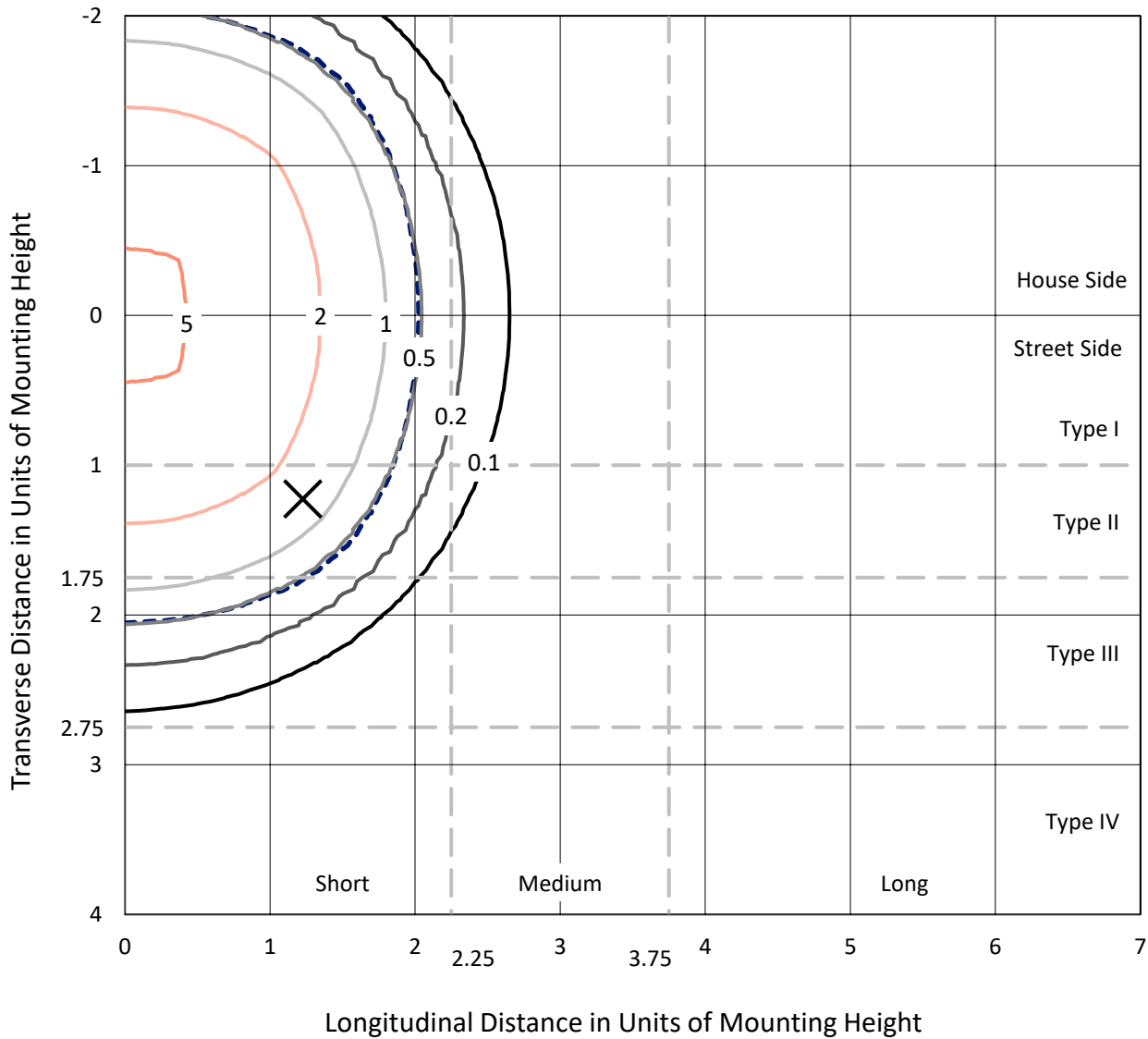
Lumens per Lamp: N/A  
Luminaire Lumens: 21156 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

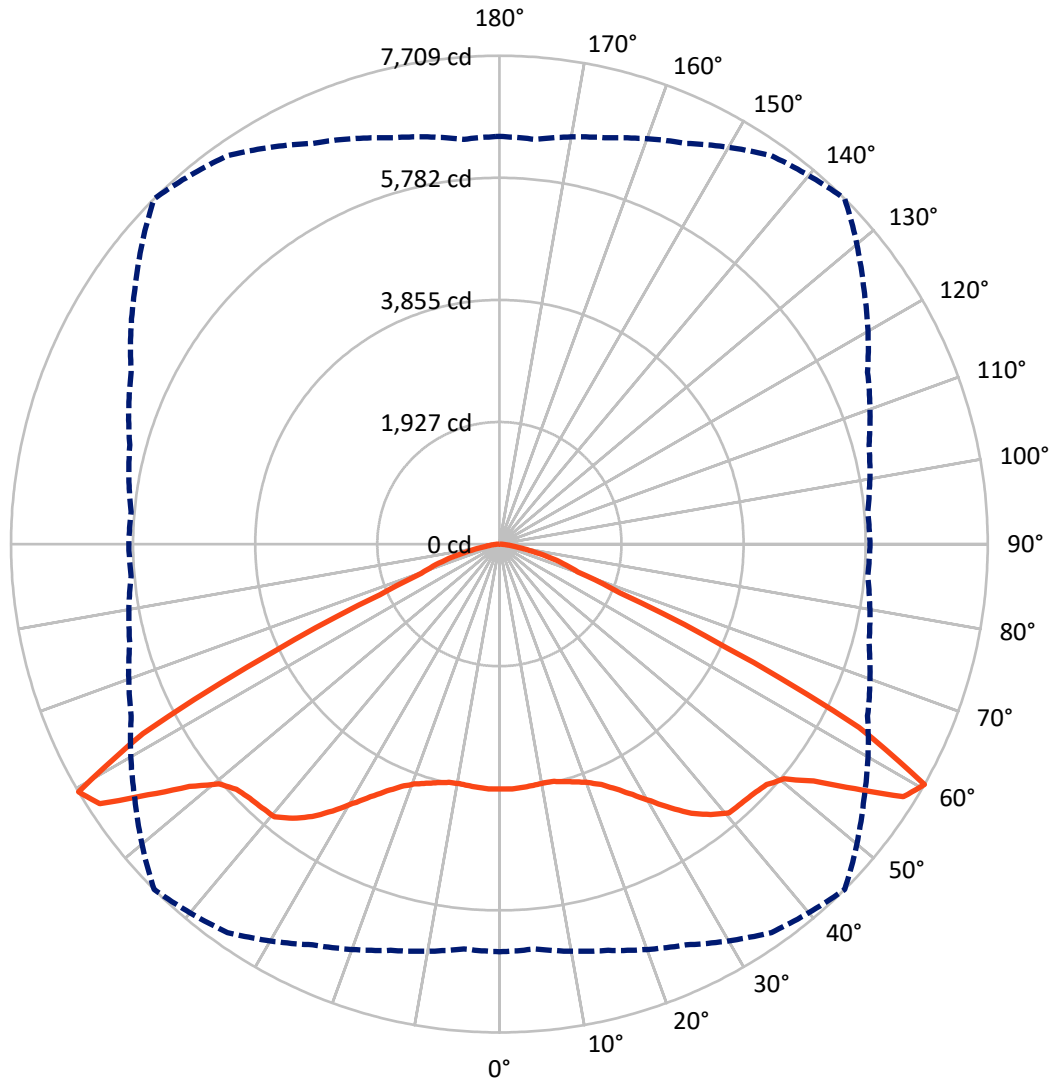
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10578.0	0.0	10578.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10578.0	0.0	10578.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21156.0	0.0	21156.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.7	1.7
10°-20°	1102.9	5.2
20°-30°	1951.1	9.2
30°-40°	3141.3	14.8
40°-50°	4317.7	20.4
50°-60°	5753.8	27.2
60°-70°	3586.0	17.0
70°-80°	824.6	3.9
80°-90°	111.9	0.5
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°	21156.0	100.0
0°-180°	21156.0	100.0

**Coefficient of Utilization**



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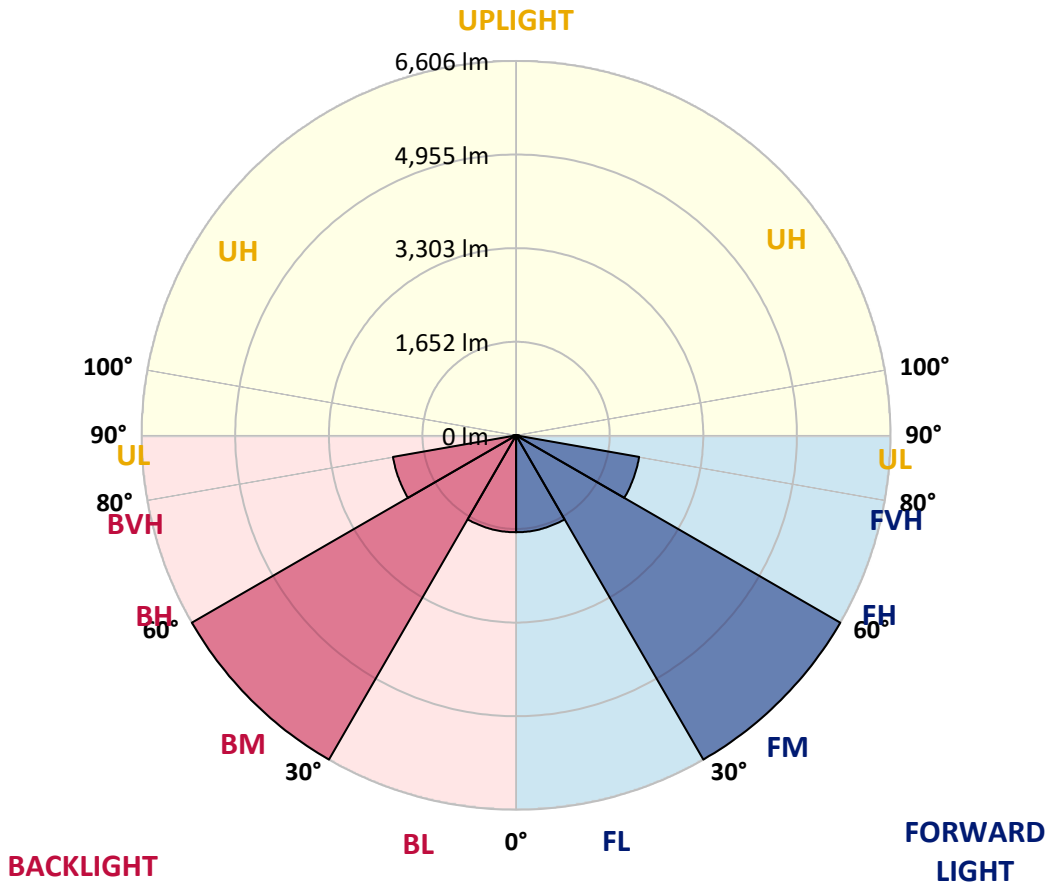
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.3	8.1			
FM (30°-60°)	6606.4	31.2			
FH (60°-80°)	2205.3	10.4			G2/5000
FVH (80°-90°)	55.9	0.3			G1/100
BL (0°-30°)	1710.3	8.1	B3/2500		
BM (30°-60°)	6606.4	31.2	B4/8500		
BH (60°-80°)	2205.3	10.4	B3/2500		G2/5000
BVH (80°-90°)	55.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2	3866.2
2.5°	3839.3	3842.9	3850.1	3855.5	3862.6	3869.8	3873.4	3866.2	3862.6	3848.3	3864.4
5°	3842.9	3846.5	3851.9	3851.9	3853.7	3859.0	3859.0	3850.1	3841.1	3824.9	3842.9
7.5°	3837.5	3841.1	3842.9	3841.1	3842.9	3844.7	3841.1	3830.3	3821.3	3807.0	3821.3
10°	3828.5	3832.1	3835.7	3832.1	3828.5	3833.9	3833.9	3826.7	3821.3	3807.0	3823.1
12.5°	3848.3	3853.7	3855.5	3846.5	3842.9	3844.7	3844.7	3837.5	3837.5	3824.9	3842.9
15°	3895.0	3898.6	3893.2	3882.4	3884.2	3889.6	3877.0	3859.0	3855.5	3850.1	3864.4
17.5°	3930.9	3934.5	3929.1	3921.9	3934.5	3947.0	3923.7	3889.6	3878.8	3875.2	3891.4
20°	3970.4	3975.8	3968.6	3977.6	4002.7	4017.1	3988.3	3941.6	3920.1	3914.7	3934.5
22.5°	4035.0	4042.2	4042.2	4062.0	4099.7	4123.0	4087.1	4024.3	3991.9	3983.0	4002.7
25°	4137.4	4142.8	4148.2	4187.7	4248.7	4281.0	4223.6	4137.4	4092.5	4078.1	4088.9
27.5°	4279.2	4288.2	4297.2	4354.7	4430.1	4476.8	4394.2	4286.4	4230.8	4202.0	4223.6
30°	4448.0	4460.6	4482.2	4546.8	4652.8	4704.8	4598.9	4467.8	4405.0	4374.4	4403.2
32.5°	4677.9	4679.7	4695.9	4767.7	4907.8	4967.0	4834.1	4688.7	4624.0	4588.1	4604.3
35°	4950.9	4952.7	4927.5	5001.1	5152.0	5218.4	5062.2	4914.9	4861.1	4850.3	4891.6
37.5°	5231.0	5214.8	5189.7	5222.0	5374.7	5417.7	5252.5	5126.8	5103.5	5123.2	5184.3
40°	5430.3	5403.4	5353.1	5376.4	5530.9	5581.2	5405.2	5286.7	5279.5	5328.0	5401.6
42.5°	5559.6	5530.9	5471.6	5471.6	5577.6	5599.1	5462.6	5399.8	5416.0	5471.6	5541.7
45°	5622.5	5606.3	5572.2	5554.2	5613.5	5622.5	5518.3	5493.2	5523.7	5550.6	5604.5
47.5°	5670.9	5670.9	5660.2	5642.2	5669.2	5674.5	5597.3	5590.1	5629.6	5629.6	5665.6
50°	5757.1	5766.1	5780.5	5776.9	5805.6	5823.6	5766.1	5755.3	5771.5	5719.4	5737.4
52.5°	5983.4	6006.8	6048.1	6080.4	6154.0	6209.7	6107.3	6021.1	5936.7	5821.8	5825.4
55°	6389.2	6400.0	6480.8	6576.0	6699.9	6813.0	6602.9	6335.4	6152.2	6017.5	6019.3
57.5°	6732.2	6748.4	6866.9	7066.2	7344.6	7520.6	7055.5	6608.3	6349.7	6184.5	6189.9
60°	6435.9	6414.4	6638.9	6980.0	7484.6	7709.1	7023.1	6412.6	6040.9	5836.2	5850.5
62.5°	4979.6	4938.3	5187.9	5545.2	6150.4	6374.9	5742.8	5157.4	4805.4	4645.6	4622.2
65°	3031.2	2993.5	3173.1	3392.2	3801.6	3943.4	3654.3	3343.7	3036.6	2939.6	2912.7
67.5°	1650.3	1644.9	1693.4	1801.1	1980.7	2047.1	1991.5	1844.2	1765.2	1697.0	1697.0
70°	1309.1	1298.3	1289.3	1291.1	1307.3	1316.3	1318.1	1310.9	1319.9	1321.7	1314.5
72.5°	1084.6	1081.0	1063.1	1064.9	1057.7	1054.1	1066.7	1073.9	1088.2	1090.0	1090.0
75°	786.5	777.6	786.5	788.3	781.1	781.1	790.1	788.3	795.5	799.1	779.4
77.5°	447.1	447.1	459.7	474.1	484.8	484.8	493.8	493.8	502.8	501.0	497.4
80°	246.0	246.0	253.2	262.2	273.0	283.7	292.7	294.5	299.9	298.1	292.7
82.5°	140.1	141.9	145.5	150.8	161.6	170.6	179.6	181.4	186.8	186.8	181.4
85°	66.4	64.6	66.4	70.0	75.4	82.6	91.6	97.0	100.6	100.6	97.0
87.5°	12.6	14.4	12.6	14.4	16.2	21.5	25.1	28.7	34.1	35.9	32.3
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)