

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: P637739

Luminaire Tested: GWS-SA4D-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637739  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21442.2 lumens  
Efficiency: N/A  
Efficacy: 132.3 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

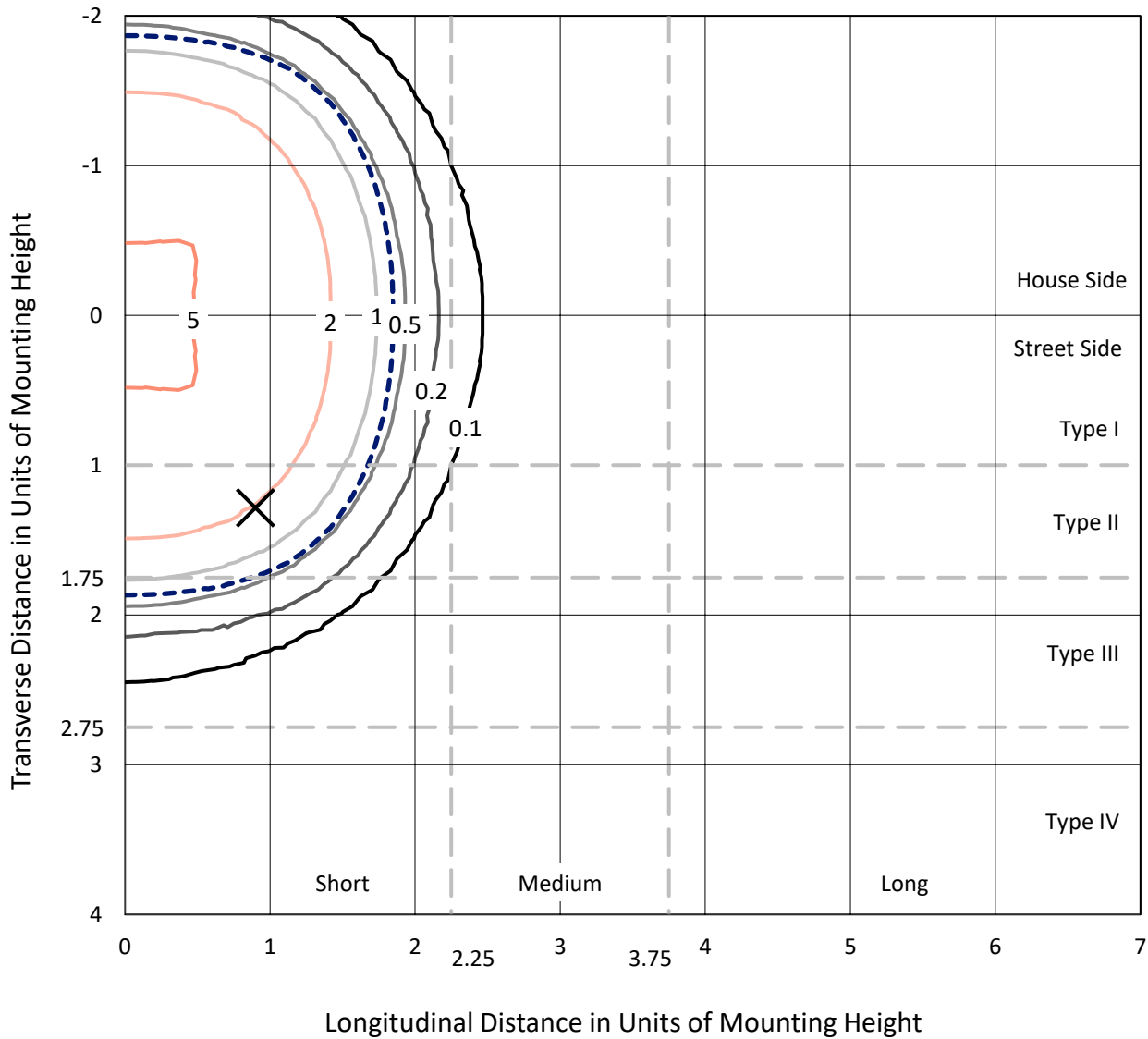


REPORT NUMBER: P637739

CATALOG NUMBER: GWS-SA4D-740-U-5MQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

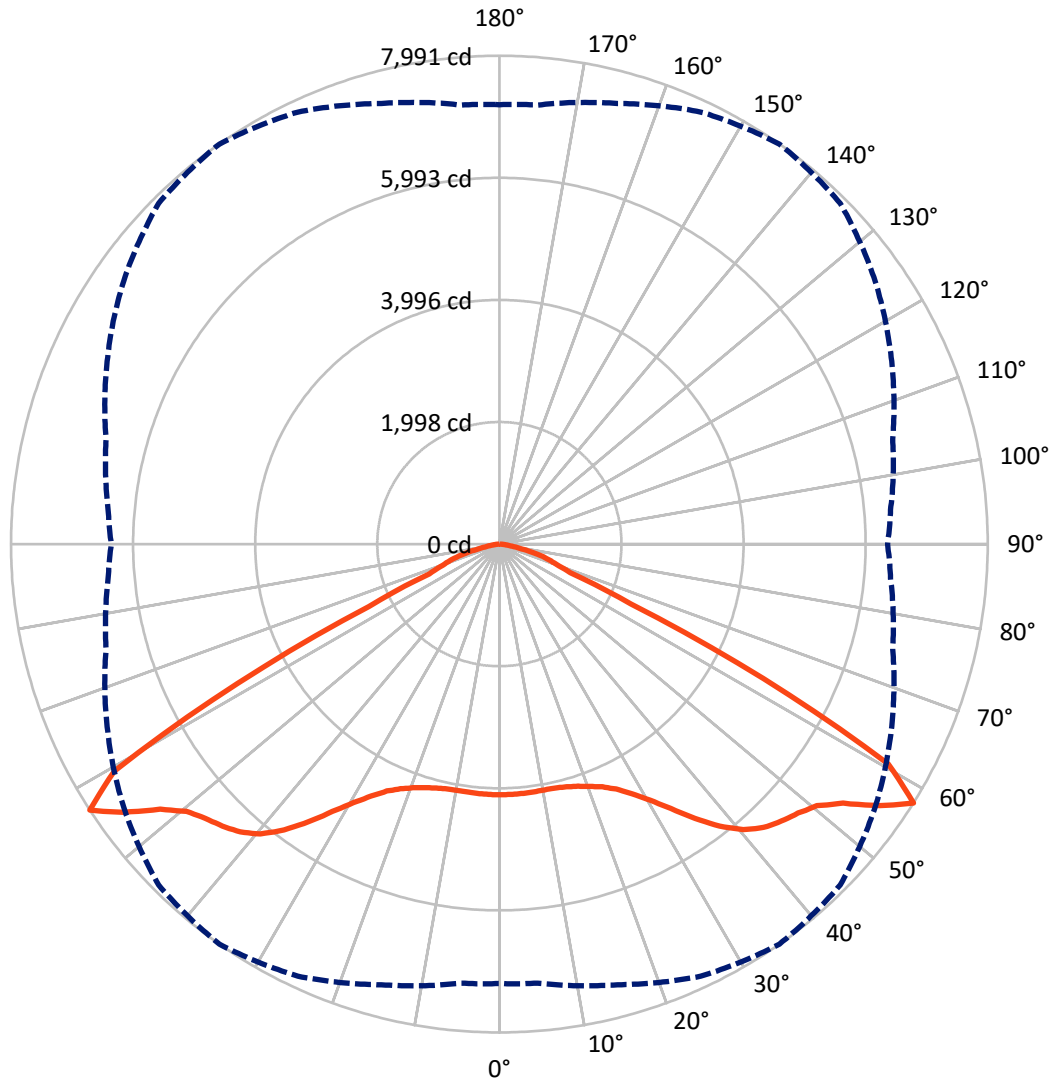
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P637739  
CATALOG NUMBER: GWS-SA4D-740-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637739

CATALOG NUMBER: GWS-SA4D-740-U-5MQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10721.1	0.0	10721.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10721.1	0.0	10721.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21442.2	0.0	21442.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.3	1.8
10°-20°	1164.5	5.4
20°-30°	2031.8	9.5
30°-40°	3331.7	15.5
40°-50°	4906.8	22.9
50°-60°	6261.9	29.2
60°-70°	2639.0	12.3
70°-80°	630.4	2.9
80°-90°	85.8	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°	21442.2	100.0
0°-180°	21442.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637739

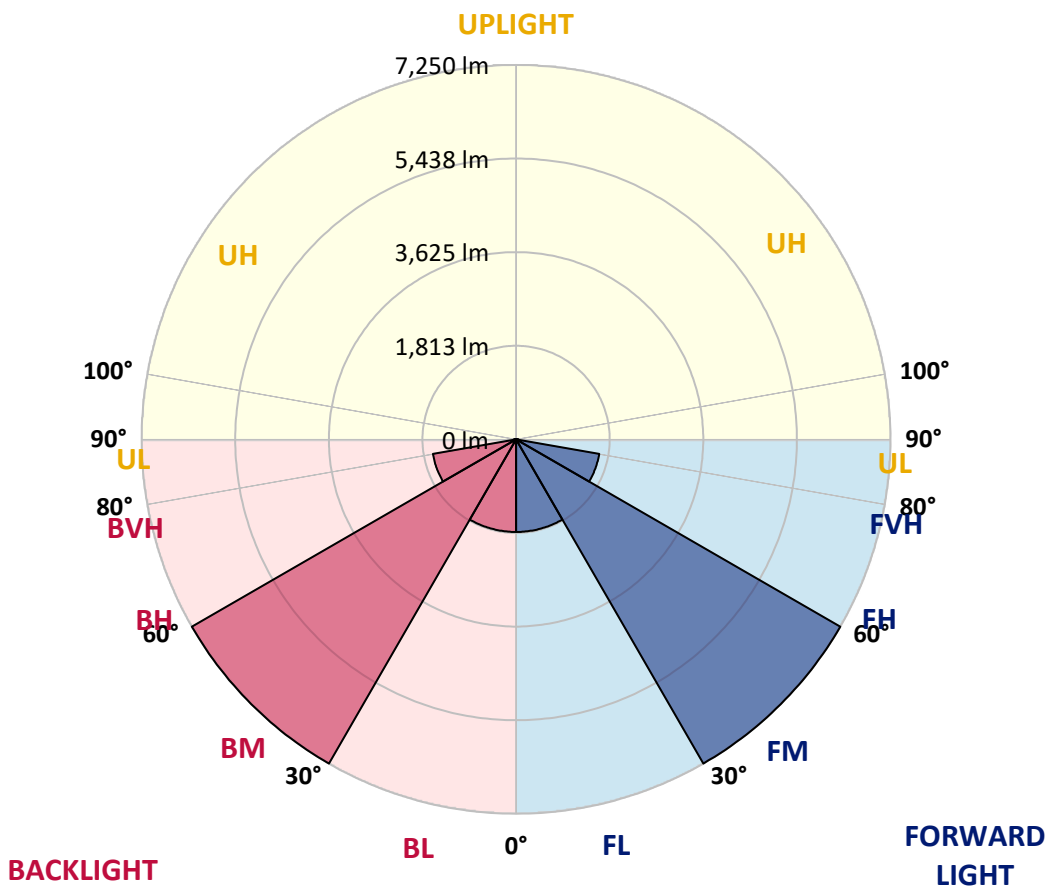
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.3	8.4			
FM (30°-60°)	7250.2	33.8			
FH (60°-80°)	1634.7	7.6			G1/1800
FVH (80°-90°)	42.9	0.2			G1/100
BL (0°-30°)	1793.3	8.4	B3/2500		
BM (30°-60°)	7250.2	33.8	B4/8500		
BH (60°-80°)	1634.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	42.9	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





REPORT NUMBER: P637739

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7	4102.7
2.5°	4078.1	4078.1	4086.9	4095.7	4099.2	4115.0	4113.3	4108.0	4104.5	4093.9	4108.0
5°	4086.9	4086.9	4093.9	4099.2	4097.5	4109.7	4104.5	4095.7	4090.4	4079.9	4095.7
7.5°	4085.2	4085.2	4090.4	4095.7	4092.2	4102.7	4093.9	4081.7	4072.9	4062.3	4076.4
10°	4062.3	4065.9	4071.1	4083.4	4088.7	4104.5	4092.2	4072.9	4058.8	4046.5	4060.6
12.5°	4058.8	4062.3	4069.4	4085.2	4093.9	4116.8	4101.0	4069.4	4048.3	4032.5	4046.5
15°	4074.6	4078.1	4088.7	4108.0	4122.0	4146.6	4123.8	4079.9	4050.1	4029.0	4041.3
17.5°	4093.9	4099.2	4115.0	4143.1	4165.9	4192.3	4164.2	4111.5	4069.4	4041.3	4051.8
20°	4115.0	4122.0	4146.6	4188.7	4230.9	4264.2	4229.1	4158.9	4108.0	4071.1	4081.7
22.5°	4151.9	4160.7	4192.3	4251.9	4315.1	4364.3	4320.4	4225.6	4158.9	4111.5	4120.3
25°	4227.4	4237.9	4278.3	4350.3	4439.8	4499.5	4438.0	4330.9	4237.9	4180.0	4188.7
27.5°	4360.8	4366.1	4418.7	4513.5	4624.1	4692.6	4618.9	4492.5	4388.9	4322.2	4329.2
30°	4536.3	4552.1	4604.8	4729.5	4861.1	4952.4	4855.9	4706.6	4587.3	4506.5	4513.5
32.5°	4750.5	4761.1	4840.1	4970.0	5159.6	5264.9	5133.2	4955.9	4812.0	4713.7	4720.7
35°	5031.4	5040.2	5115.7	5280.7	5510.7	5609.0	5458.0	5254.4	5087.6	4994.5	5020.9
37.5°	5366.7	5382.5	5436.9	5600.2	5856.5	5953.1	5779.3	5589.7	5415.9	5329.8	5349.2
40°	5726.6	5724.8	5768.7	5912.7	6146.2	6205.9	6049.6	5898.6	5749.4	5693.2	5724.8
42.5°	6035.6	6026.8	6058.4	6177.8	6339.3	6344.6	6241.0	6156.7	6051.4	6012.8	6042.6
45°	6251.5	6255.0	6302.4	6384.9	6467.4	6423.6	6392.0	6377.9	6295.4	6242.7	6248.0
47.5°	6421.8	6435.8	6511.3	6567.5	6578.0	6504.3	6548.2	6569.3	6500.8	6420.0	6397.2
50°	6572.8	6595.6	6693.9	6753.6	6730.8	6637.7	6723.8	6755.4	6604.4	6449.9	6404.2
52.5°	6846.6	6873.0	6992.4	7069.6	7043.3	6950.2	7031.0	6918.6	6664.1	6474.5	6416.5
55°	7283.8	7296.1	7441.8	7568.2	7555.9	7441.8	7376.8	7127.5	6818.6	6621.9	6567.5
57.5°	7190.7	7211.8	7464.6	7801.7	7991.3	7887.7	7506.7	7081.9	6662.3	6425.3	6351.6
60°	5658.1	5709.0	6023.3	6616.7	7311.9	7310.1	6602.6	5942.5	5436.9	5122.7	5091.1
62.5°	3303.9	3339.1	3625.2	4225.6	4848.8	4887.5	4390.6	3937.7	3495.3	3282.9	3181.1
65°	1564.2	1562.4	1676.5	1946.9	2368.2	2401.6	2252.4	2004.8	1743.3	1671.3	1652.0
67.5°	1155.2	1155.2	1146.4	1165.7	1246.4	1264.0	1246.4	1206.1	1181.5	1197.3	1186.8
70°	1002.4	1004.2	993.6	988.4	988.4	983.1	990.1	1005.9	1016.5	1037.5	1027.0
72.5°	812.8	814.6	814.6	816.3	818.1	811.1	821.6	830.4	832.1	839.2	832.1
75°	577.6	581.1	591.6	600.4	607.4	607.4	610.9	612.7	605.7	614.4	600.4
77.5°	317.8	321.3	340.6	356.4	372.2	373.9	379.2	382.7	379.2	386.2	375.7
80°	175.6	179.1	187.8	194.9	207.2	217.7	224.7	228.2	228.2	233.5	228.2
82.5°	100.1	103.6	108.8	112.4	122.9	131.7	138.7	144.0	144.0	145.7	142.2
85°	47.4	47.4	50.9	54.4	59.7	63.2	72.0	77.2	77.2	80.8	77.2
87.5°	7.0	8.8	10.5	10.5	14.0	17.6	21.1	22.8	26.3	28.1	28.1
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)