

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: P635264

Luminaire Tested: GWS-SA3D-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635264  
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-SA3D-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**

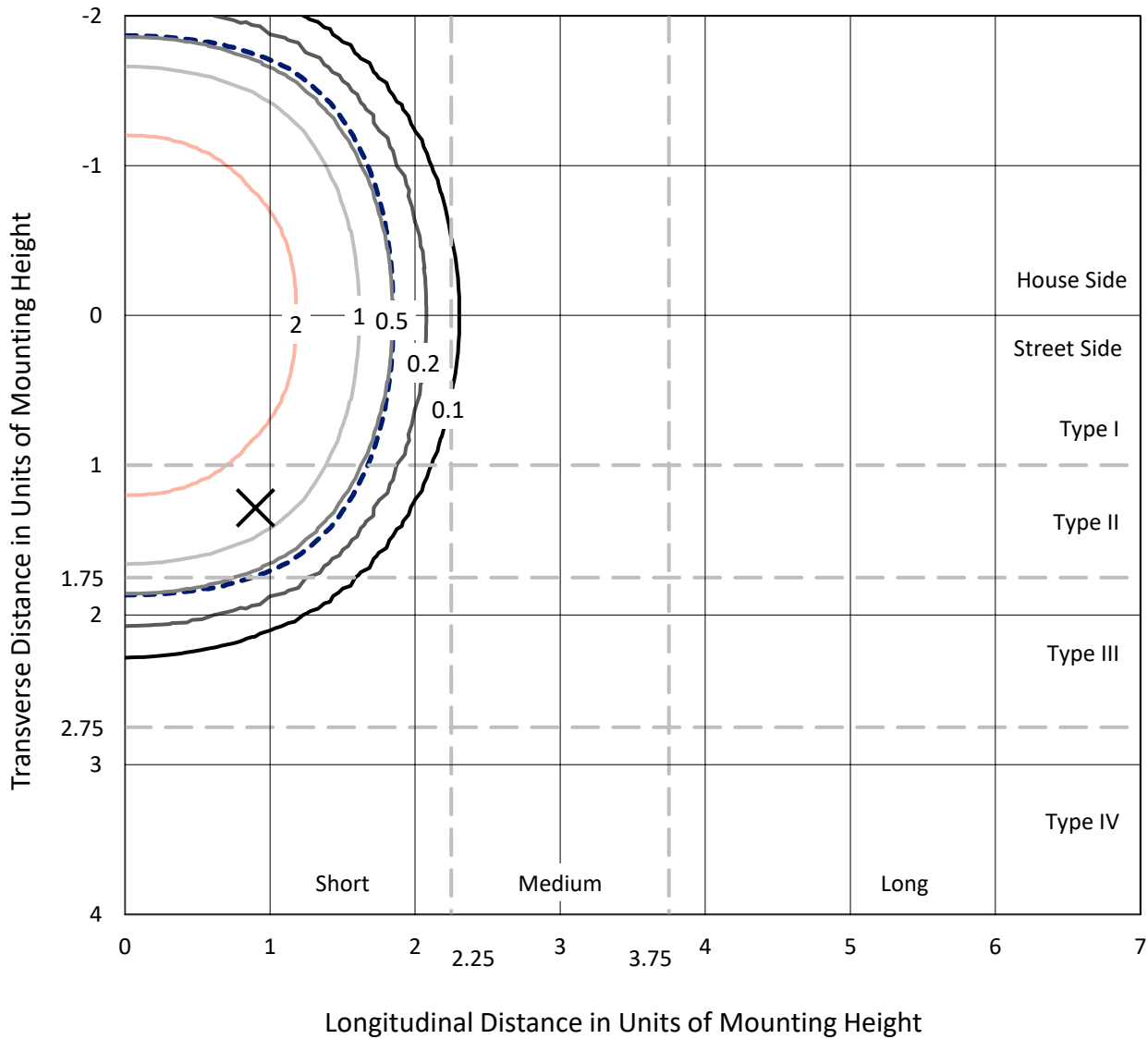
Lumens per Lamp: N/A  
Luminaire Lumens: 15408.7 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

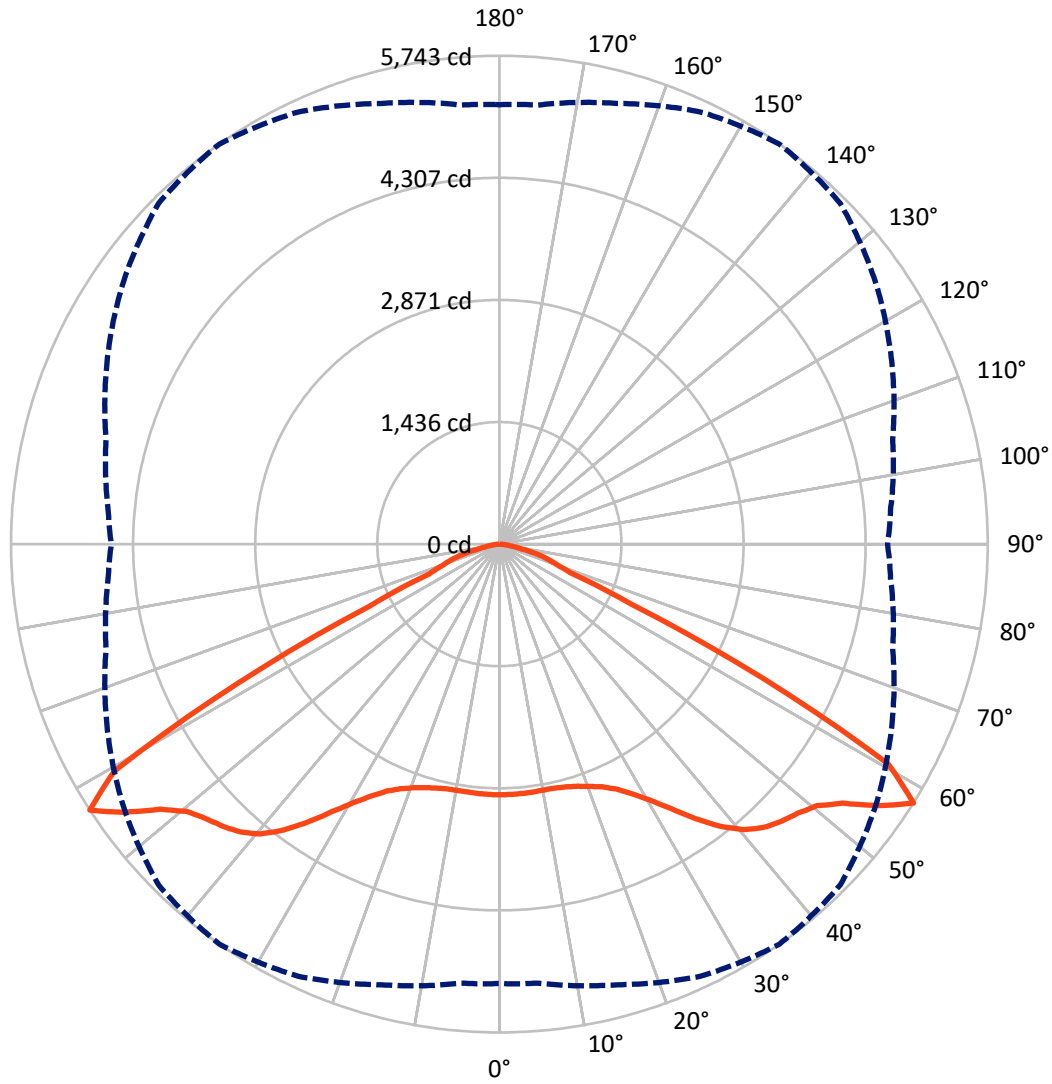
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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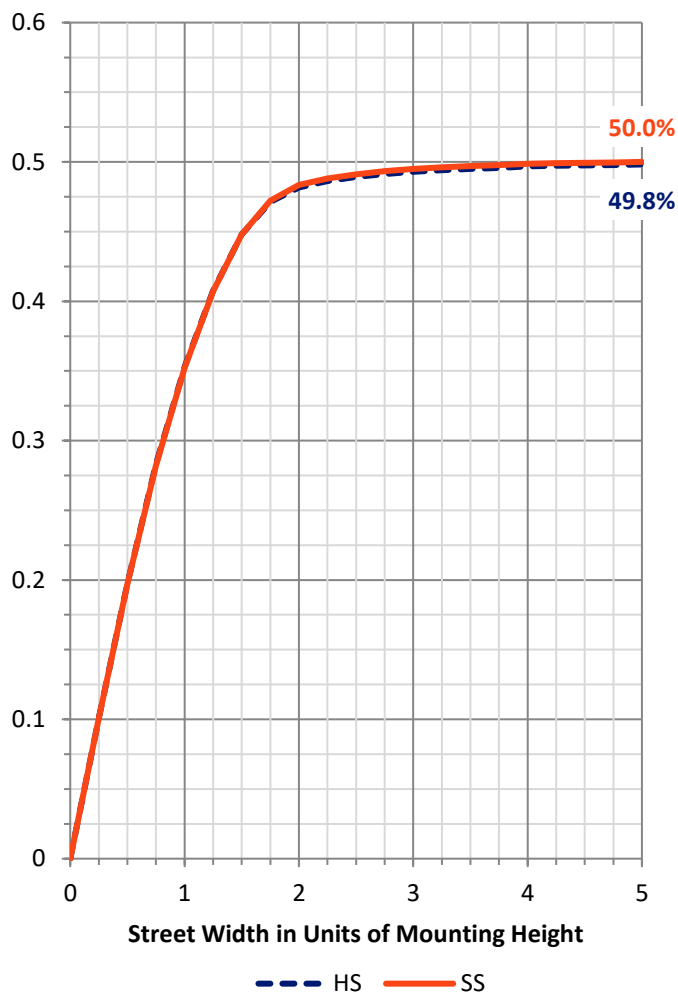
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7704.3	0.0	7704.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7704.3	0.0	7704.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15408.7	0.0	15408.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.5	1.8
10°-20°	836.8	5.4
20°-30°	1460.1	9.5
30°-40°	2394.2	15.5
40°-50°	3526.1	22.9
50°-60°	4499.9	29.2
60°-70°	1896.5	12.3
70°-80°	453.0	2.9
80°-90°	61.7	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°	15408.7	100.0
0°-180°	15408.7	100.0

**Coefficient of Utilization**



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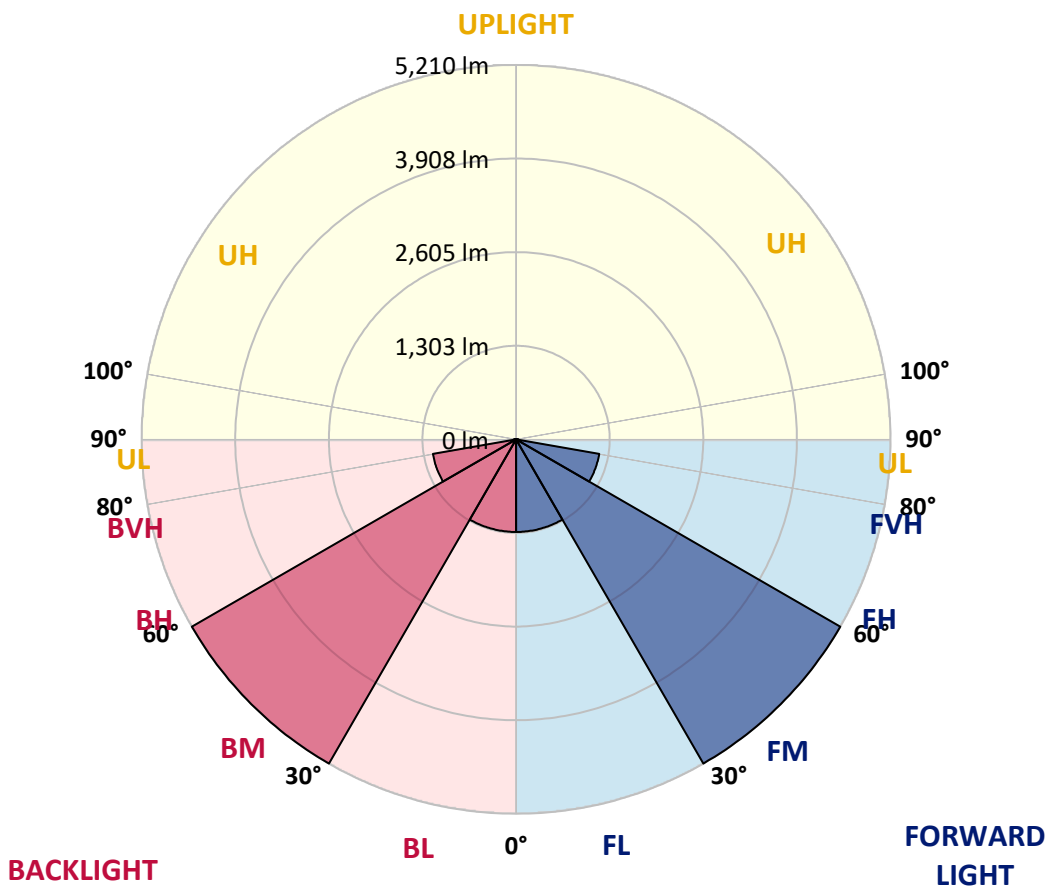
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.7	8.4			
FM (30°-60°)	5210.1	33.8			
FH (60°-80°)	1174.7	7.6			G1/1800
FVH (80°-90°)	30.8	0.2			G1/100
BL (0°-30°)	1288.7	8.4	B3/2500		
BM (30°-60°)	5210.1	33.8	B4/8500		
BH (60°-80°)	1174.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	30.8	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°	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3
2.5°	2930.6	2930.6	2936.9	2943.2	2945.8	2957.1	2955.8	2952.1	2949.5	2942.0	2952.1
5°	2936.9	2936.9	2942.0	2945.8	2944.5	2953.3	2949.5	2943.2	2939.4	2931.9	2943.2
7.5°	2935.7	2935.7	2939.4	2943.2	2940.7	2948.3	2942.0	2933.1	2926.8	2919.3	2929.4
10°	2919.3	2921.8	2925.6	2934.4	2938.2	2949.5	2940.7	2926.8	2916.7	2907.9	2918.0
12.5°	2916.7	2919.3	2924.3	2935.7	2942.0	2958.4	2947.0	2924.3	2909.2	2897.8	2907.9
15°	2928.1	2930.6	2938.2	2952.1	2962.2	2979.8	2963.4	2931.9	2910.4	2895.3	2904.1
17.5°	2942.0	2945.8	2957.1	2977.3	2993.7	3012.6	2992.4	2954.6	2924.3	2904.1	2911.7
20°	2957.1	2962.2	2979.8	3010.1	3040.4	3064.3	3039.1	2988.6	2952.1	2925.6	2933.1
22.5°	2983.6	2989.9	3012.6	3055.5	3100.9	3136.3	3104.7	3036.6	2988.6	2954.6	2960.9
25°	3037.8	3045.4	3074.4	3126.2	3190.5	3233.4	3189.2	3112.3	3045.4	3003.8	3010.1
27.5°	3133.7	3137.5	3175.4	3243.5	3323.0	3372.2	3319.2	3228.3	3153.9	3106.0	3111.0
30°	3259.9	3271.2	3309.1	3398.7	3493.3	3558.9	3489.5	3382.3	3296.5	3238.4	3243.5
32.5°	3413.8	3421.4	3478.1	3571.5	3707.7	3783.4	3688.8	3561.4	3458.0	3387.3	3392.3
35°	3615.6	3622.0	3676.2	3794.8	3960.1	4030.7	3922.2	3775.9	3656.0	3589.2	3608.1
37.5°	3856.6	3868.0	3907.1	4024.4	4208.6	4278.0	4153.1	4016.8	3891.9	3830.1	3844.0
40°	4115.2	4114.0	4145.5	4249.0	4416.7	4459.6	4347.4	4238.9	4131.6	4091.3	4114.0
42.5°	4337.3	4331.0	4353.7	4439.4	4555.5	4559.3	4484.9	4424.3	4348.6	4320.9	4342.3
45°	4492.4	4495.0	4529.0	4588.3	4647.6	4616.1	4593.4	4583.3	4524.0	4486.1	4489.9
47.5°	4614.8	4624.9	4679.1	4719.5	4727.1	4674.1	4705.6	4720.8	4671.6	4613.5	4597.1
50°	4723.3	4739.7	4810.3	4853.2	4836.8	4770.0	4831.8	4854.5	4746.0	4635.0	4602.2
52.5°	4920.1	4939.0	5024.8	5080.3	5061.4	4994.5	5052.6	4971.8	4788.9	4652.7	4611.0
55°	5234.2	5243.1	5347.8	5438.6	5429.8	5347.8	5301.1	5122.0	4899.9	4758.6	4719.5
57.5°	5167.4	5182.5	5364.2	5606.4	5742.6	5668.2	5394.5	5089.2	4787.6	4617.3	4564.3
60°	4066.0	4102.6	4328.4	4754.8	5254.4	5253.2	4744.7	4270.4	3907.1	3681.2	3658.5
62.5°	2374.3	2399.5	2605.1	3036.6	3484.4	3512.2	3155.2	2829.7	2511.8	2359.1	2286.0
65°	1124.1	1122.8	1204.8	1399.1	1701.9	1725.8	1618.6	1440.7	1252.7	1201.0	1187.1
67.5°	830.1	830.1	823.8	837.7	895.7	908.3	895.7	866.7	849.0	860.4	852.8
70°	720.4	721.6	714.0	710.3	710.3	706.5	711.5	722.9	730.4	745.6	738.0
72.5°	584.1	585.4	585.4	586.6	587.9	582.8	590.4	596.7	598.0	603.0	598.0
75°	415.1	417.6	425.1	431.5	436.5	436.5	439.0	440.3	435.2	441.5	431.5
77.5°	228.3	230.9	244.7	256.1	267.5	268.7	272.5	275.0	272.5	277.5	270.0
80°	126.2	128.7	135.0	140.0	148.9	156.4	161.5	164.0	164.0	167.8	164.0
82.5°	71.9	74.4	78.2	80.7	88.3	94.6	99.7	103.4	103.4	104.7	102.2
85°	34.1	34.1	36.6	39.1	42.9	45.4	51.7	55.5	55.5	58.0	55.5
87.5°	5.0	6.3	7.6	7.6	10.1	12.6	15.1	16.4	18.9	20.2	20.2
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)