

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: P640276

Luminaire Tested: GWS-SA5D-750-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

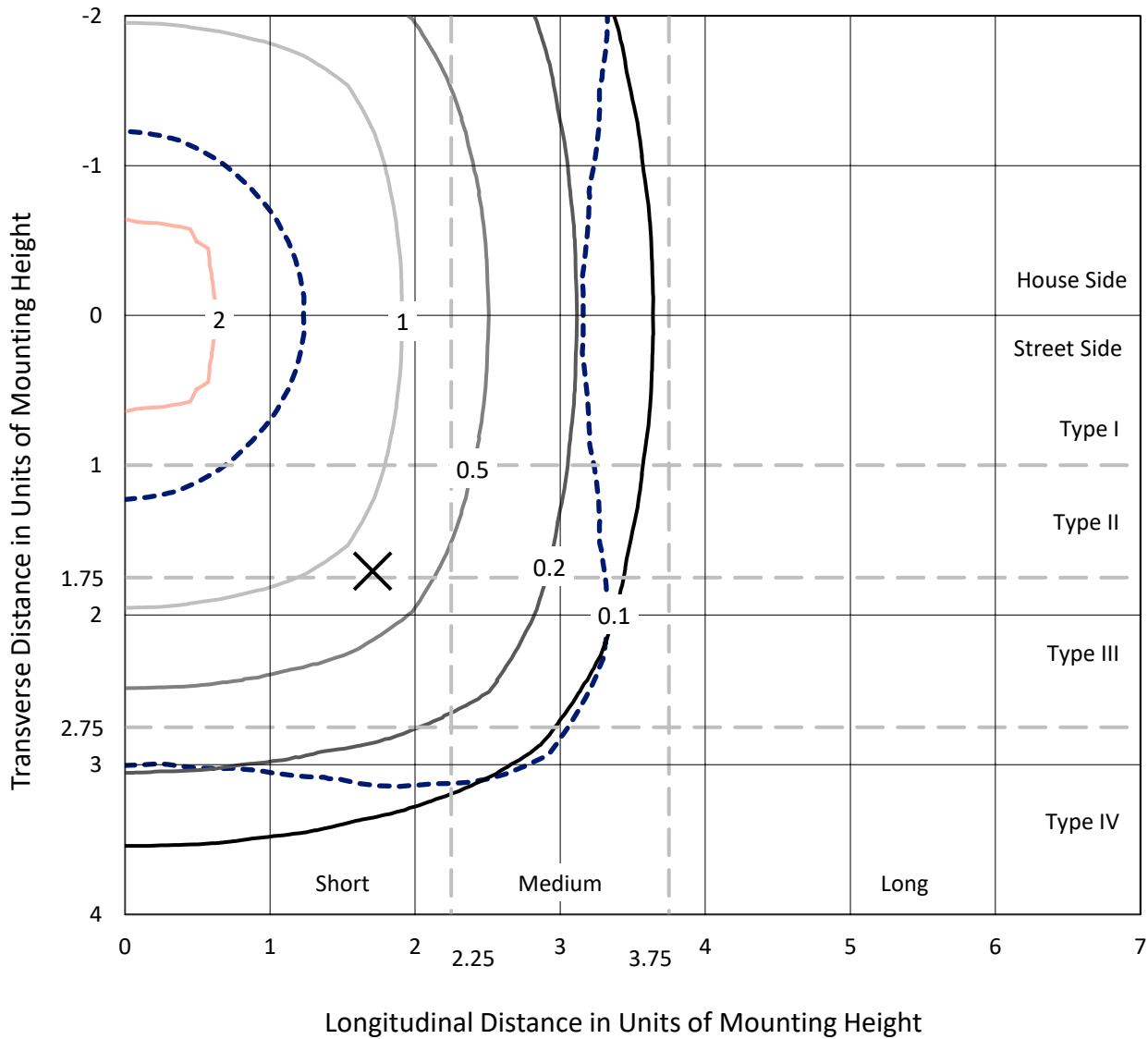
Lumens per Lamp: N/A  
Luminaire Lumens: 31153.4 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

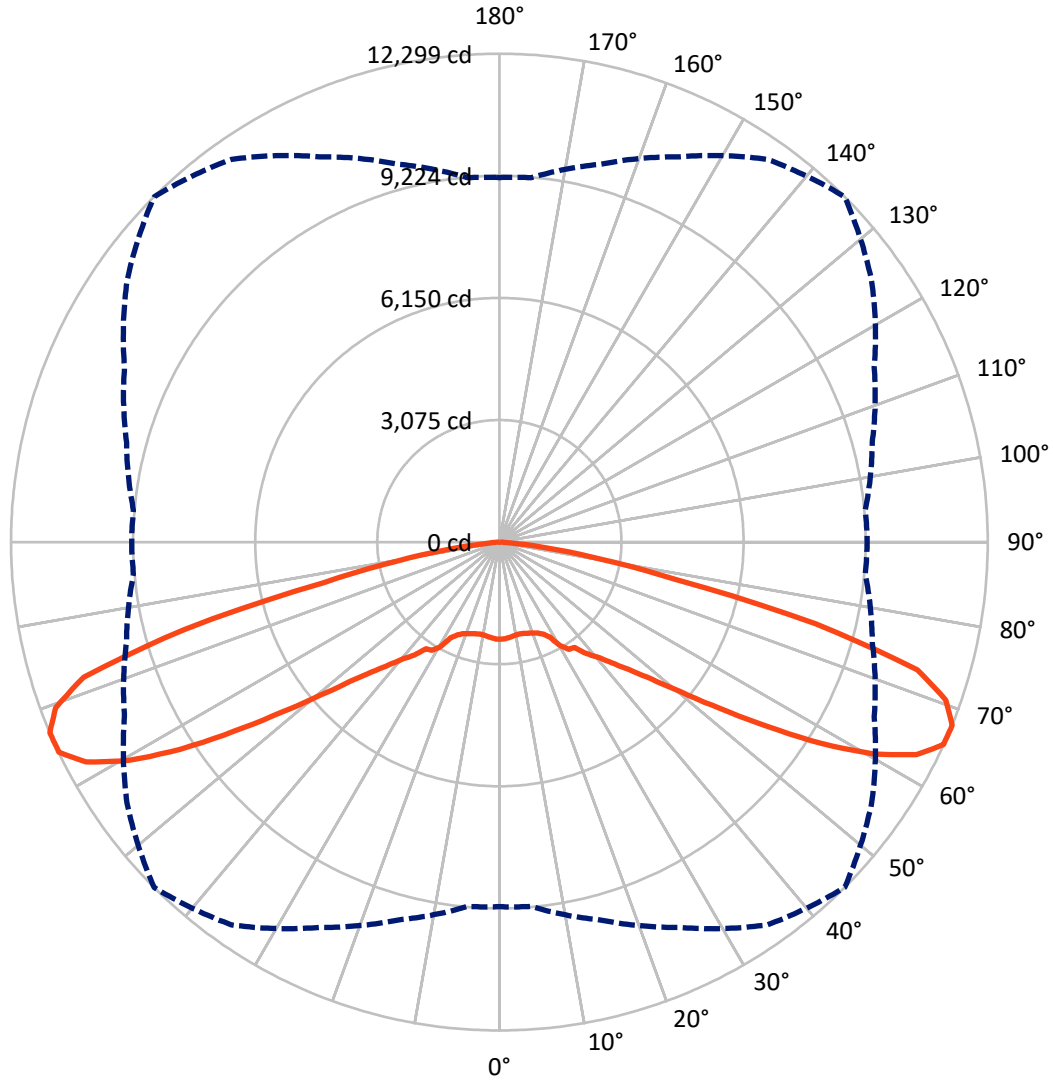
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15576.7	0.0	15576.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15576.7	0.0	15576.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31153.4	0.0	31153.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.4	0.7
10°-20°	680.7	2.2
20°-30°	1221.1	3.9
30°-40°	2062.8	6.6
40°-50°	3624.3	11.6
50°-60°	6991.5	22.4
60°-70°	10143.7	32.6
70°-80°	5803.8	18.6
80°-90°	396.1	1.3
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°	31153.4	100.0
0°-180°	31153.4	100.0

**Coefficient of Utilization**



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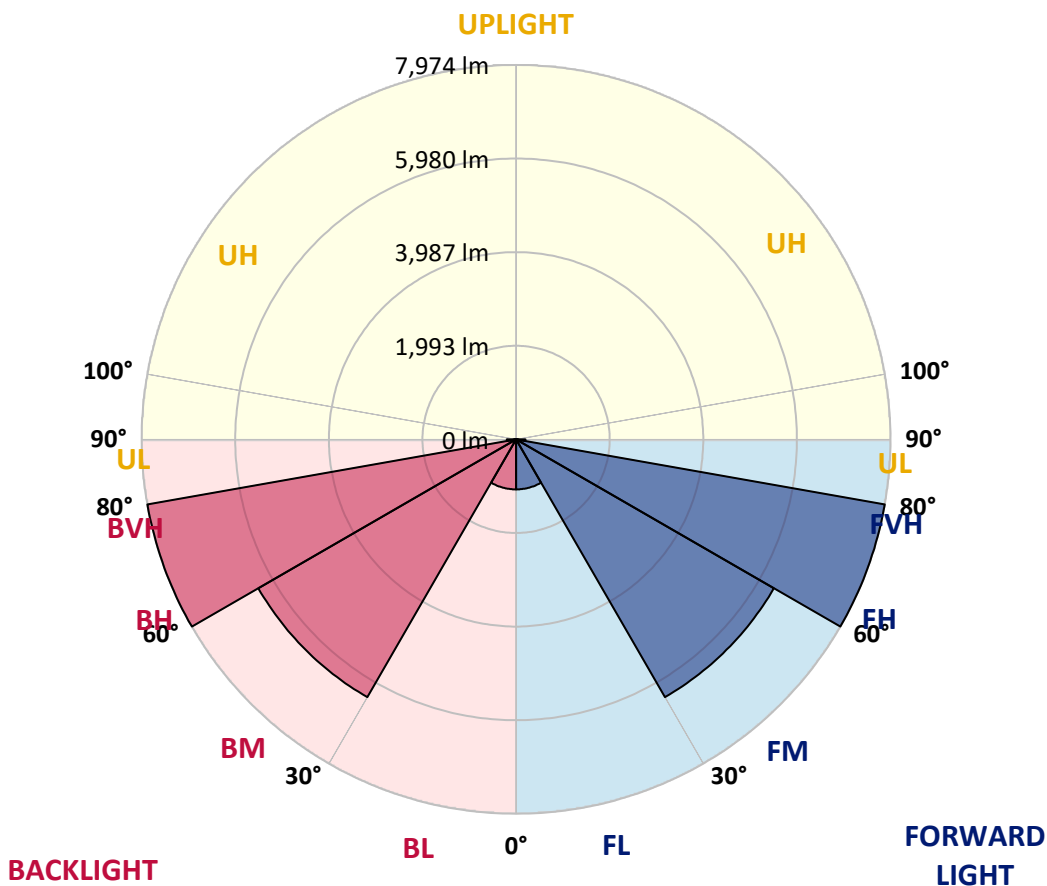
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.6	3.4			
FM (30°-60°)	6339.3	20.3			
FH (60°-80°)	7973.7	25.6			G4/12000
FVH (80°-90°)	198.1	0.6			G2/225
BL (0°-30°)	1065.6	3.4	B3/2500		
BM (30°-60°)	6339.3	20.3	B4/8500		
BH (60°-80°)	7973.7	25.6	B5		G4/12000
BVH (80°-90°)	198.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1	2443.1
2.5°	2423.2	2425.4	2429.8	2429.8	2434.3	2440.9	2443.1	2438.7	2440.9	2429.8	2440.9
5°	2416.6	2418.8	2421.0	2416.6	2416.6	2418.8	2418.8	2414.4	2416.6	2405.6	2416.6
7.5°	2401.2	2403.4	2403.4	2396.8	2390.2	2394.6	2394.6	2390.2	2392.4	2381.4	2394.6
10°	2388.0	2388.0	2385.8	2372.6	2366.0	2372.6	2374.8	2377.0	2385.8	2377.0	2392.4
12.5°	2396.8	2396.8	2390.2	2372.6	2361.6	2366.0	2370.4	2374.8	2390.2	2388.0	2405.6
15°	2421.0	2423.2	2405.6	2385.8	2379.2	2385.8	2381.4	2379.2	2399.0	2405.6	2425.4
17.5°	2440.9	2440.9	2418.8	2399.0	2401.2	2412.2	2403.4	2392.4	2412.2	2425.4	2447.5
20°	2458.5	2456.3	2432.0	2418.8	2427.6	2443.1	2436.5	2421.0	2434.3	2449.7	2469.5
22.5°	2502.5	2500.3	2473.9	2467.3	2476.1	2491.5	2484.9	2471.7	2487.1	2509.2	2533.4
25°	2628.1	2623.7	2584.1	2562.0	2557.6	2568.6	2566.4	2562.0	2586.3	2612.7	2641.3
27.5°	2795.5	2793.3	2764.7	2742.7	2714.0	2705.2	2711.8	2731.6	2766.9	2786.7	2811.0
30°	2879.2	2879.2	2874.8	2910.1	2971.8	3031.2	2985.0	2910.1	2879.2	2870.4	2894.7
32.5°	2989.4	3000.4	2985.0	3024.6	3128.2	3216.3	3128.2	3007.0	2985.0	2985.0	3011.4
35°	3242.7	3247.1	3222.9	3216.3	3249.3	3260.4	3218.5	3174.4	3198.7	3203.1	3236.1
37.5°	3445.4	3445.4	3434.4	3452.0	3520.3	3562.2	3493.9	3414.6	3421.2	3425.6	3467.4
40°	3758.2	3767.0	3740.6	3738.4	3764.8	3802.3	3729.6	3678.9	3714.2	3725.2	3789.1
42.5°	4148.1	4148.1	4108.5	4097.5	4115.1	4154.7	4086.5	4053.4	4099.7	4108.5	4145.9
45°	4613.0	4624.0	4571.1	4551.3	4560.1	4573.3	4524.8	4509.4	4553.5	4573.3	4639.4
47.5°	5179.1	5190.1	5143.9	5141.7	5132.9	5141.7	5095.4	5086.6	5121.8	5106.4	5176.9
50°	5877.4	5897.3	5857.6	5912.7	5906.1	5932.5	5868.6	5822.4	5822.4	5780.5	5820.2
52.5°	6659.5	6699.1	6719.0	6811.5	6882.0	6948.1	6842.3	6769.6	6663.9	6578.0	6685.9
55°	7512.0	7501.0	7626.6	7829.3	8036.3	8192.7	7985.7	7756.6	7584.7	7406.3	7448.1
57.5°	8258.8	8296.3	8461.5	8831.6	9241.3	9571.8	9199.5	8758.9	8369.0	8113.4	8148.7
60°	8880.1	8910.9	9131.2	9664.3	10380.3	10836.3	10245.9	9518.9	8952.8	8600.3	8637.7
62.5°	9452.8	9481.5	9704.0	10292.1	11195.4	11790.1	11027.9	10034.4	9404.4	9049.7	9071.7
65°	9783.3	9800.9	10104.9	10723.9	11675.6	12290.2	11431.1	10406.7	9787.7	9426.4	9439.6
67.5°	9181.9	9210.5	9851.6	10706.3	11768.1	12299.0	11448.7	10417.7	9721.6	9250.2	9261.2
70°	7243.3	7219.0	7983.5	9452.8	11237.2	11928.9	10939.8	9635.7	8560.6	7902.0	7890.9
72.5°	5522.8	5529.4	5954.6	6961.3	9162.0	11008.1	9653.3	7758.8	6600.0	6099.9	6080.1
75°	4004.9	4066.6	4412.5	5150.5	6408.4	8228.0	7267.5	5749.7	4974.2	4674.6	4630.6
77.5°	1804.2	1883.5	2366.0	3233.9	4284.7	4546.9	4564.5	3903.6	2945.3	2447.5	2370.4
80°	526.5	564.0	724.8	1240.3	1995.9	2579.6	2048.7	1722.7	1072.8	841.5	801.9
82.5°	222.5	253.3	310.6	343.7	579.4	1196.2	744.6	473.6	440.6	356.9	326.0
85°	94.7	101.3	130.0	138.8	187.3	255.5	235.7	213.7	204.9	158.6	145.4
87.5°	39.7	39.7	39.7	35.2	33.0	35.2	48.5	61.7	81.5	63.9	59.5
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)