

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: P639993

Luminaire Tested: GWS-SA5D-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-722-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13520 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
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

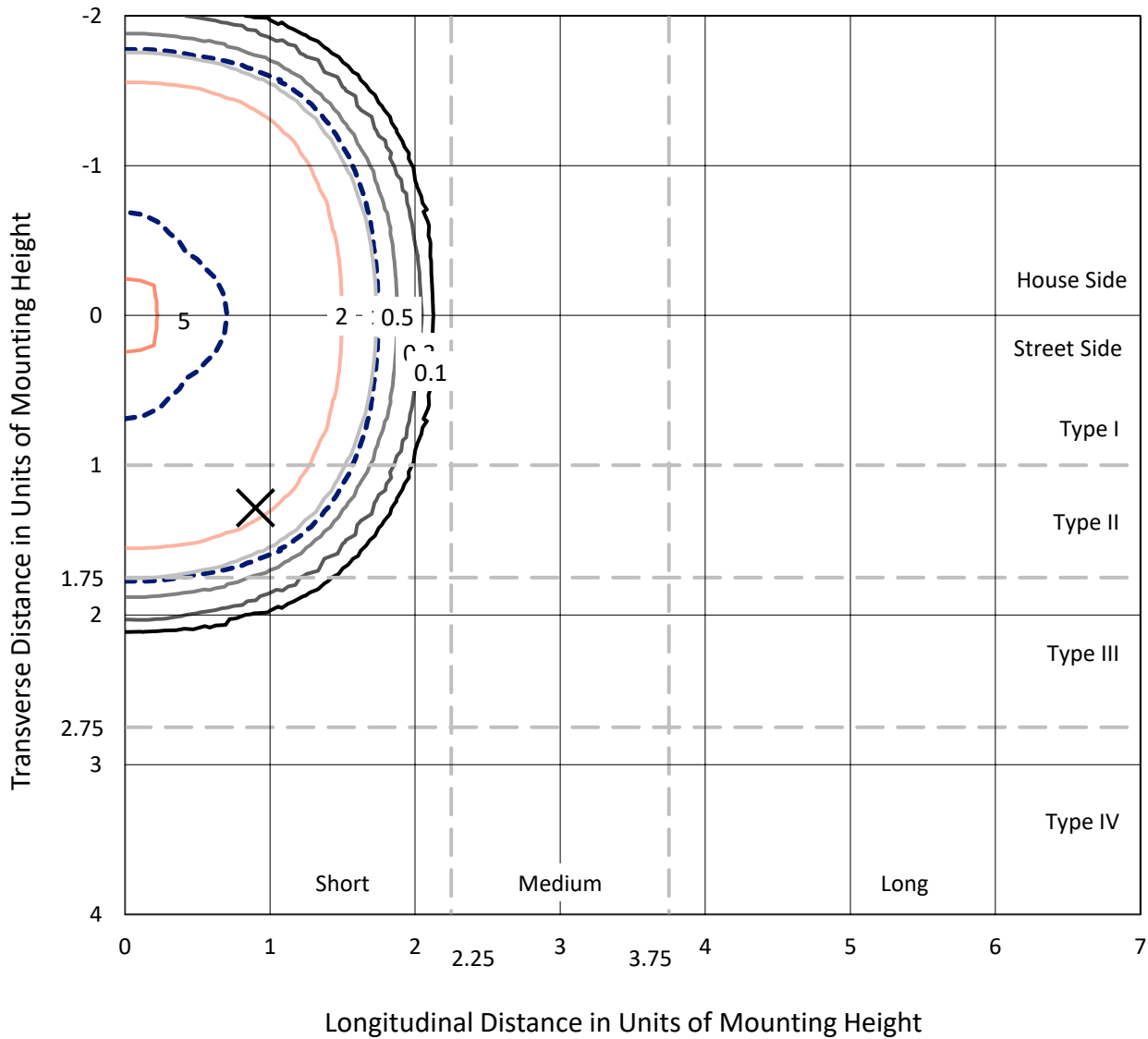


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### Iso-Footcandle Lines of Horizontal Illumination

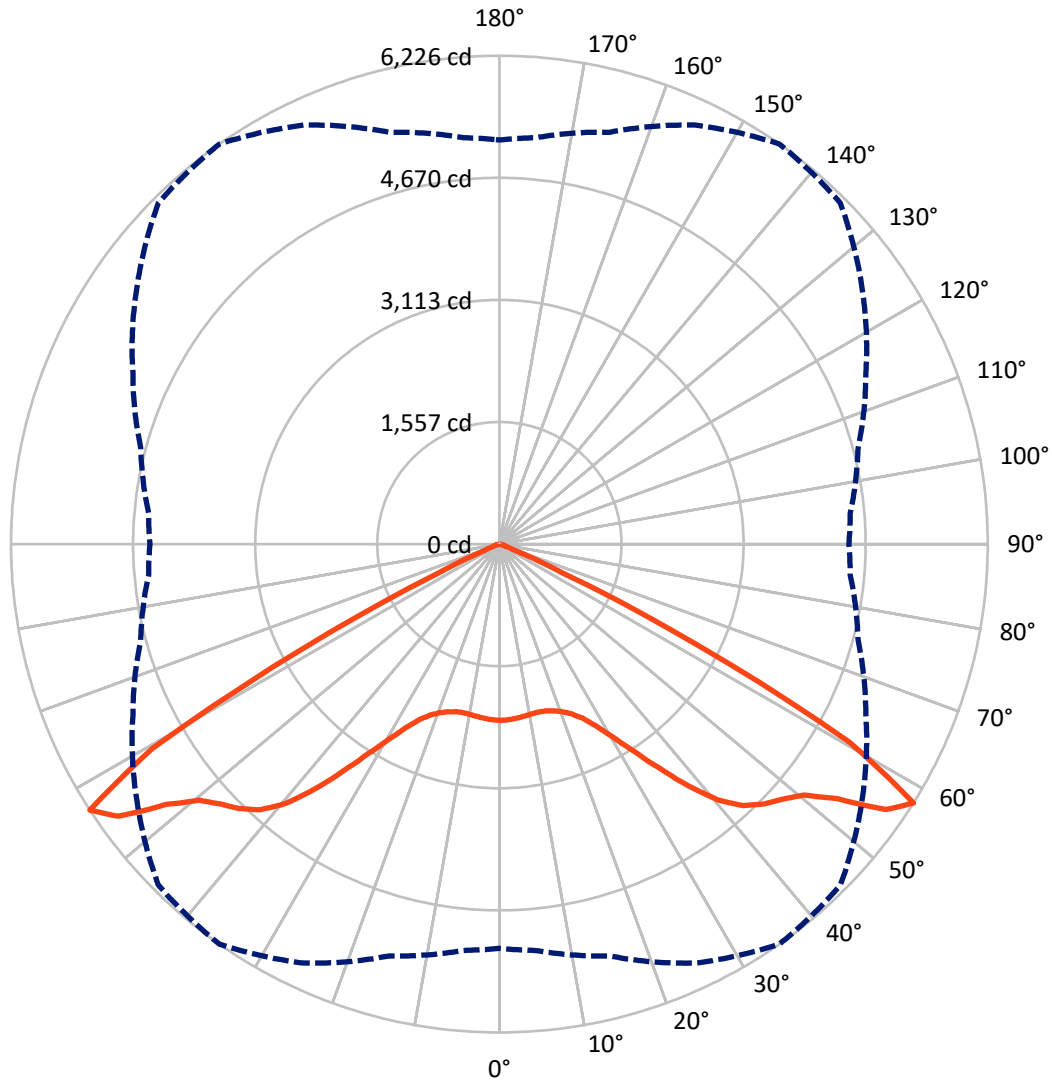
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	6760.0	0.0	6760.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6760.0	0.0	6760.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13520.0	0.0	13520.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.8	1.6
10°-20°	623.0	4.6
20°-30°	1126.0	8.3
30°-40°	2100.7	15.5
40°-50°	3524.0	26.1
50°-60°	4653.8	34.4
60°-70°	1235.9	9.1
70°-80°	43.9	0.3
80°-90°	0.8	0.0
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°	13520.0	100.0
0°-180°	13520.0	100.0

**Coefficient of Utilization**



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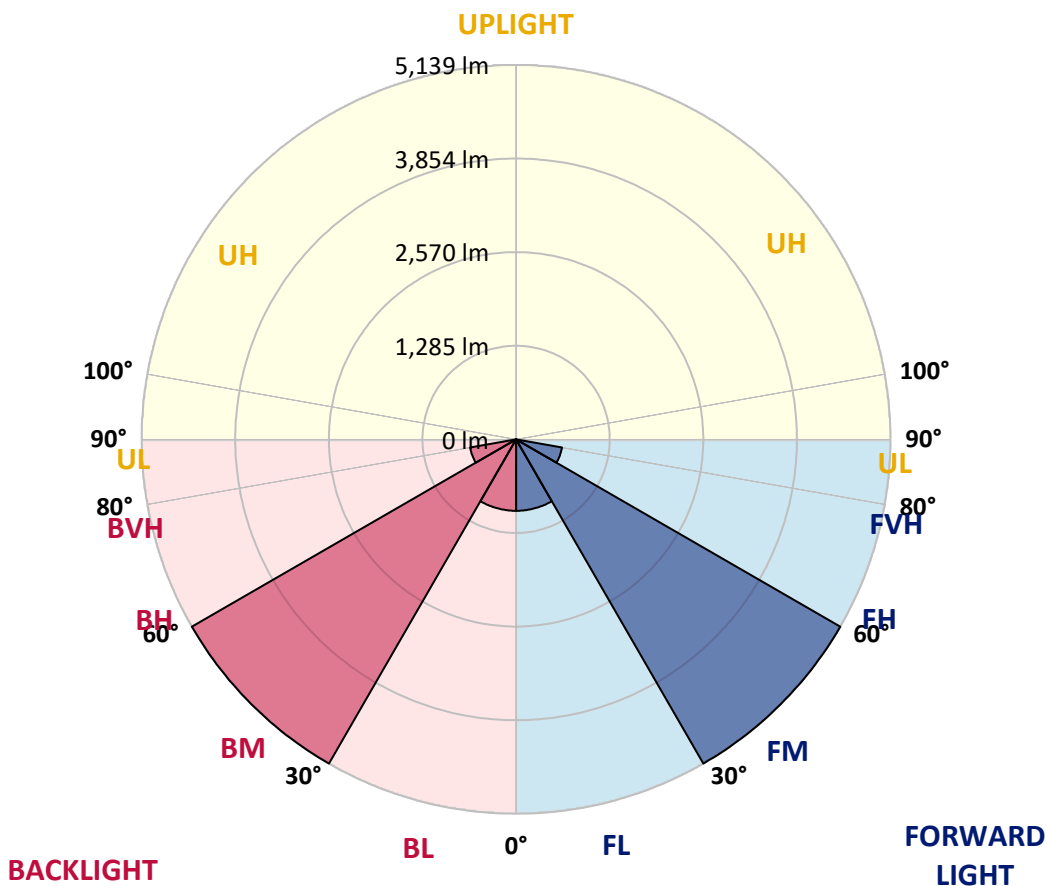
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.4	7.3			
FM (30°-60°)	5139.3	38.0			
FH (60°-80°)	639.9	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	980.4	7.3	B2/1000		
BM (30°-60°)	5139.3	38.0	B4/8500		
BH (60°-80°)	639.9	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8	2247.8
2.5°	2232.0	2230.4	2236.7	2241.5	2241.5	2252.6	2249.4	2246.2	2243.1	2238.3	2249.4
5°	2228.8	2227.2	2232.0	2235.1	2232.0	2241.5	2235.1	2228.8	2225.6	2219.3	2232.0
7.5°	2214.5	2216.1	2219.3	2222.4	2217.7	2225.6	2217.7	2208.2	2200.2	2193.9	2205.0
10°	2192.3	2193.9	2197.1	2203.4	2205.0	2216.1	2205.0	2187.5	2176.4	2166.9	2178.0
12.5°	2181.2	2182.8	2187.5	2195.5	2197.1	2211.3	2197.1	2171.7	2155.8	2144.7	2155.8
15°	2184.4	2187.5	2193.9	2203.4	2206.6	2220.9	2201.8	2168.5	2146.3	2132.0	2141.5
17.5°	2195.5	2198.6	2208.2	2224.0	2235.1	2249.4	2225.6	2182.8	2152.6	2132.0	2141.5
20°	2209.7	2214.5	2230.4	2255.8	2279.5	2304.9	2274.8	2216.1	2176.4	2151.1	2159.0
22.5°	2249.4	2254.2	2276.4	2309.7	2349.3	2381.1	2344.6	2270.0	2216.1	2182.8	2190.7
25°	2330.3	2335.1	2363.6	2406.5	2457.2	2498.5	2452.5	2358.9	2289.1	2251.0	2254.2
27.5°	2457.2	2462.0	2495.3	2555.6	2623.8	2682.5	2615.8	2506.4	2427.1	2382.7	2382.7
30°	2617.4	2623.8	2668.2	2749.1	2855.4	2933.1	2842.7	2709.4	2607.9	2547.6	2549.2
32.5°	2823.7	2817.3	2880.8	2991.8	3142.5	3245.6	3112.4	2950.6	2825.2	2741.2	2749.1
35°	3088.6	3087.0	3158.4	3309.1	3505.8	3629.5	3470.9	3261.5	3110.8	3025.1	3026.7
37.5°	3429.6	3428.0	3510.5	3673.9	3910.3	4013.4	3835.7	3623.2	3461.4	3378.9	3388.4
40°	3829.4	3819.9	3892.8	4049.9	4286.2	4352.9	4159.3	3988.0	3832.6	3780.2	3805.6
42.5°	4210.1	4189.5	4232.3	4375.1	4557.5	4567.0	4421.1	4303.7	4197.4	4156.2	4172.0
45°	4516.3	4500.4	4540.1	4622.5	4727.2	4679.7	4609.9	4573.4	4487.7	4443.3	4457.6
47.5°	4744.7	4744.7	4792.3	4843.0	4858.9	4771.7	4782.8	4782.8	4697.1	4627.3	4609.9
50°	4941.4	4955.7	5027.1	5079.4	5027.1	4916.0	4979.5	4966.8	4792.3	4652.7	4616.2
52.5°	5255.5	5269.8	5379.2	5450.6	5391.9	5282.5	5290.4	5131.8	4874.8	4709.8	4652.7
55°	5588.6	5623.5	5782.2	5972.5	5974.1	5861.5	5652.1	5371.3	5058.8	4879.5	4820.8
57.5°	5152.4	5200.0	5436.3	5894.8	6226.3	6148.6	5648.9	5155.6	4733.6	4489.3	4456.0
60°	3545.4	3627.9	3864.3	4490.9	5130.2	5160.3	4570.2	4016.6	3532.7	3231.3	3237.7
62.5°	1497.5	1581.6	1714.8	2230.4	2817.3	2853.8	2568.3	2171.7	1776.7	1559.4	1592.7
65°	352.2	376.0	415.6	617.1	894.7	935.9	863.0	672.6	496.5	420.4	428.3
67.5°	153.9	157.0	149.1	158.6	196.7	201.5	195.1	171.3	161.8	165.0	165.0
70°	107.9	109.5	103.1	98.4	93.6	87.2	90.4	99.9	107.9	114.2	112.6
72.5°	66.6	68.2	69.8	69.8	65.0	58.7	61.9	68.2	69.8	71.4	69.8
75°	33.3	34.9	38.1	39.7	38.1	36.5	36.5	38.1	38.1	36.5	36.5
77.5°	6.3	7.9	11.1	12.7	12.7	12.7	12.7	12.7	14.3	12.7	12.7
80°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
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)