

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: P641753

Luminaire Tested: GWS-SA6B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641753  
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-SA6B-750-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

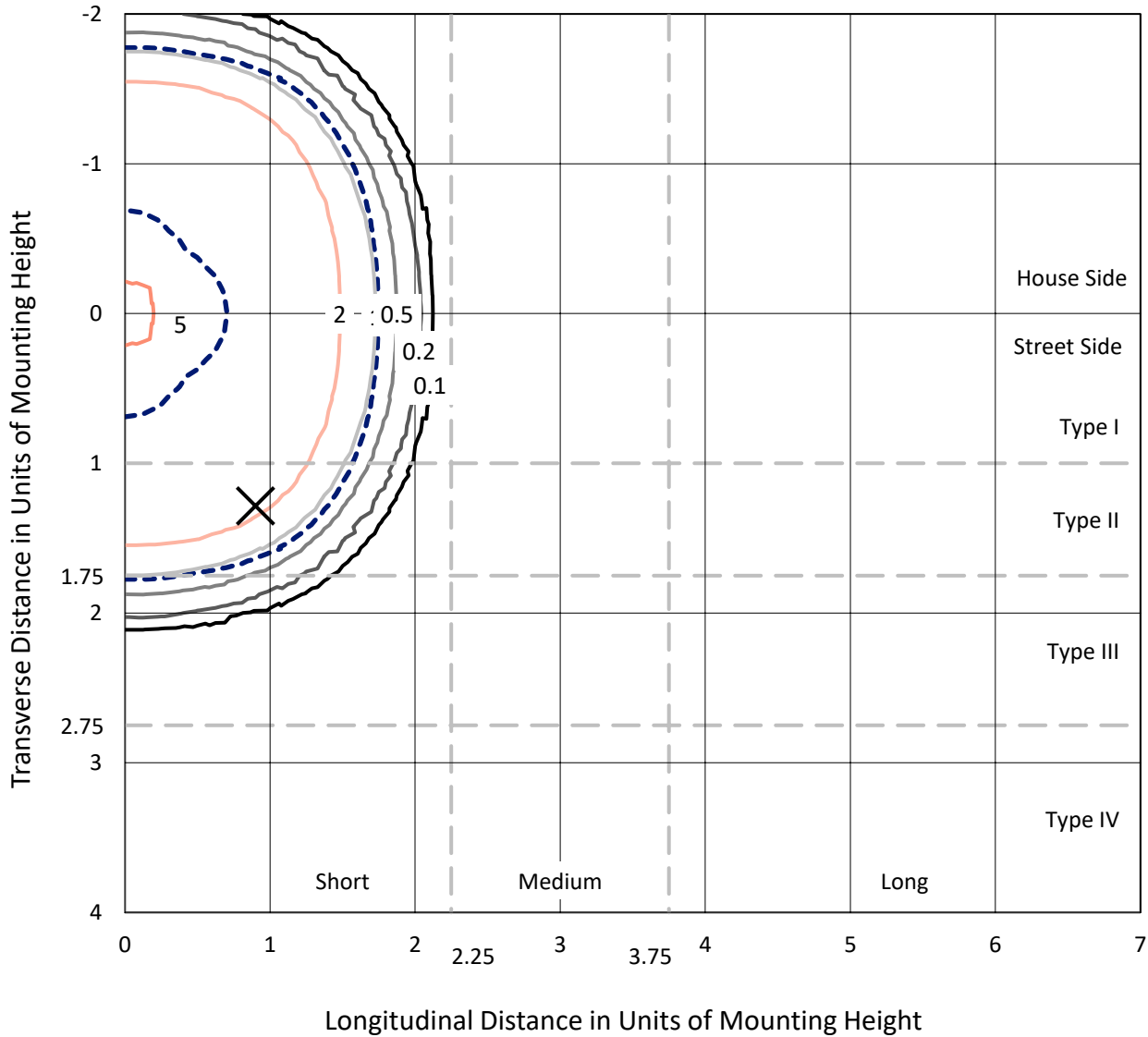
Lumens per Lamp: N/A  
Luminaire Lumens: 13232.6 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

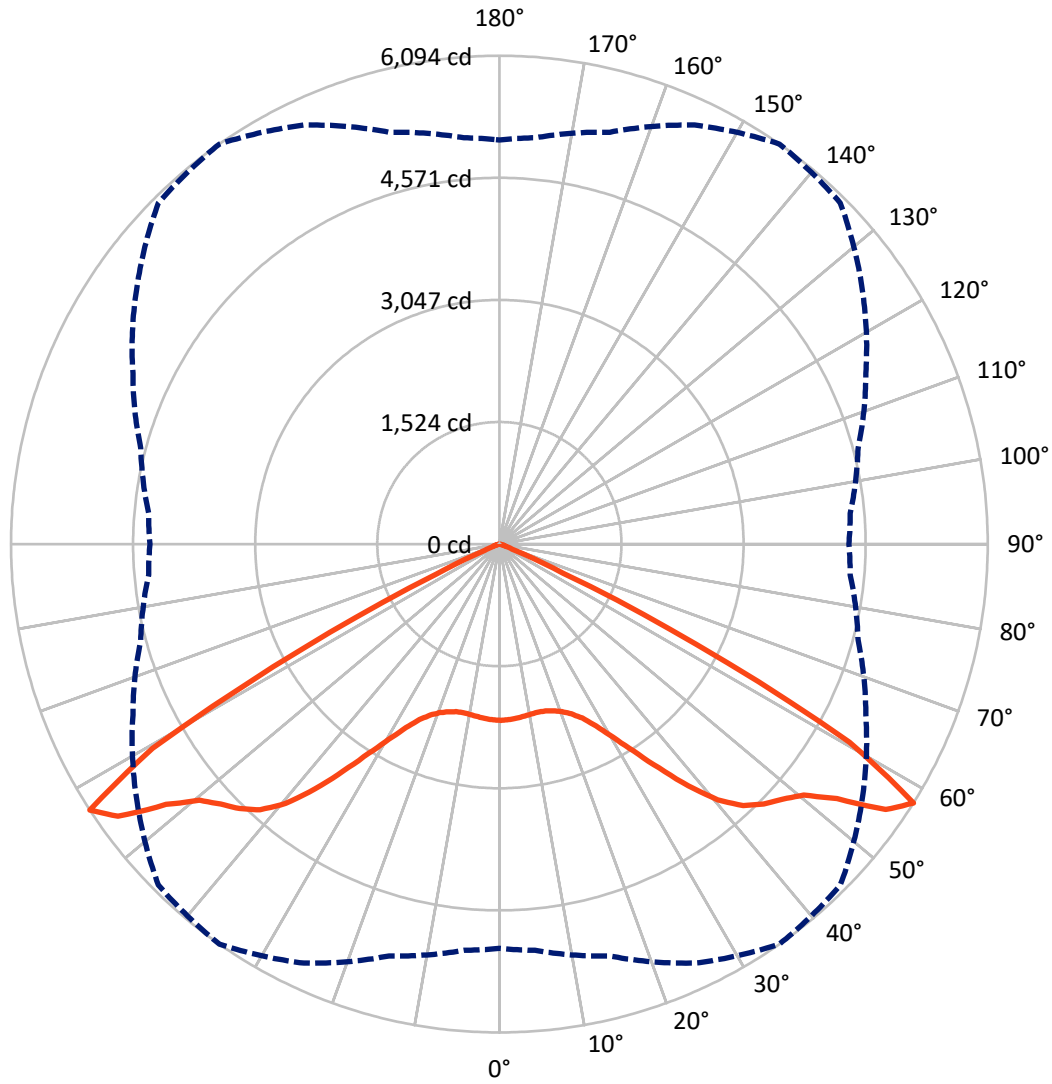
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	6616.3	0.0	6616.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6616.3	0.0	6616.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13232.6	0.0	13232.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.3	1.6
10°-20°	609.7	4.6
20°-30°	1102.1	8.3
30°-40°	2056.1	15.5
40°-50°	3449.1	26.1
50°-60°	4554.9	34.4
60°-70°	1209.7	9.1
70°-80°	43.0	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°	13232.6	100.0
0°-180°	13232.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641753

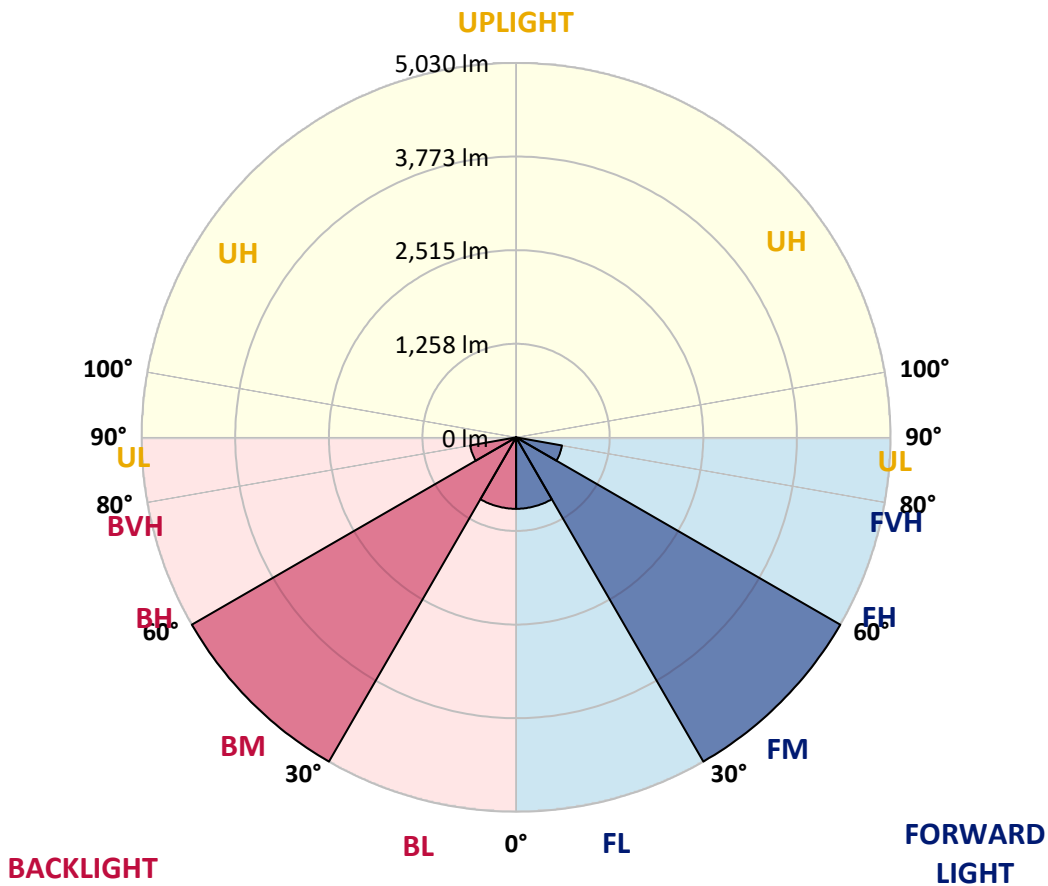
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.6	7.3			
FM (30°-60°)	5030.0	38.0			
FH (60°-80°)	626.3	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	959.6	7.3	B2/1000		
BM (30°-60°)	5030.0	38.0	B4/8500		
BH (60°-80°)	626.3	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°	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0	2200.0
2.5°	2184.5	2183.0	2189.2	2193.8	2193.8	2204.7	2201.6	2198.5	2195.4	2190.7	2201.6
5°	2181.4	2179.9	2184.5	2187.6	2184.5	2193.8	2187.6	2181.4	2178.3	2172.1	2184.5
7.5°	2167.4	2169.0	2172.1	2175.2	2170.5	2178.3	2170.5	2161.2	2153.5	2147.3	2158.1
10°	2145.7	2147.3	2150.4	2156.6	2158.1	2169.0	2158.1	2141.0	2130.2	2120.9	2131.7
12.5°	2134.8	2136.4	2141.0	2148.8	2150.4	2164.3	2150.4	2125.5	2110.0	2099.1	2110.0
15°	2137.9	2141.0	2147.3	2156.6	2159.7	2173.6	2155.0	2122.4	2100.7	2086.7	2096.0
17.5°	2148.8	2151.9	2161.2	2176.7	2187.6	2201.6	2178.3	2136.4	2106.9	2086.7	2096.0
20°	2162.8	2167.4	2183.0	2207.8	2231.1	2255.9	2226.4	2169.0	2130.2	2105.3	2113.1
22.5°	2201.6	2206.2	2228.0	2260.6	2299.4	2330.5	2294.7	2221.8	2169.0	2136.4	2144.1
25°	2280.8	2285.4	2313.4	2355.3	2405.0	2445.4	2400.3	2308.7	2240.4	2203.1	2206.2
27.5°	2405.0	2409.6	2442.2	2501.2	2568.0	2625.5	2560.2	2453.1	2375.5	2332.0	2332.0
30°	2561.8	2568.0	2611.5	2690.7	2794.7	2870.8	2782.3	2651.8	2552.5	2493.5	2495.0
32.5°	2763.6	2757.4	2819.5	2928.2	3075.7	3176.6	3046.2	2887.8	2765.2	2682.9	2690.7
35°	3022.9	3021.4	3091.2	3238.7	3431.3	3552.4	3397.1	3192.2	3044.7	2960.8	2962.4
37.5°	3356.7	3355.2	3435.9	3595.8	3827.2	3928.1	3754.2	3546.1	3387.8	3307.0	3316.4
40°	3748.0	3738.7	3810.1	3963.8	4195.1	4260.3	4070.9	3903.2	3751.1	3699.9	3724.7
42.5°	4120.6	4100.4	4142.3	4282.1	4460.6	4469.9	4327.1	4212.2	4108.2	4067.8	4083.3
45°	4420.3	4404.7	4443.6	4524.3	4626.8	4580.2	4511.9	4476.2	4392.3	4348.8	4362.8
47.5°	4643.8	4643.8	4690.4	4740.1	4755.6	4670.2	4681.1	4681.1	4597.3	4528.9	4511.9
50°	4836.4	4850.3	4920.2	4971.4	4920.2	4811.5	4873.6	4861.2	4690.4	4553.8	4518.1
52.5°	5143.8	5157.7	5264.9	5334.7	5277.3	5170.2	5177.9	5022.7	4771.1	4609.7	4553.8
55°	5469.8	5504.0	5659.2	5845.6	5847.1	5736.9	5531.9	5257.1	4951.3	4775.8	4718.4
57.5°	5042.9	5089.4	5320.8	5769.5	6094.0	6017.9	5528.8	5046.0	4633.0	4393.9	4361.3
60°	3470.1	3550.8	3782.1	4395.4	5021.1	5050.6	4473.1	3931.2	3457.6	3162.7	3168.9
62.5°	1465.7	1547.9	1678.4	2183.0	2757.4	2793.1	2513.7	2125.5	1738.9	1526.2	1558.8
65°	344.7	368.0	406.8	604.0	875.7	916.0	844.6	658.3	486.0	411.4	419.2
67.5°	150.6	153.7	145.9	155.3	192.5	197.2	191.0	167.7	158.4	161.5	161.5
70°	105.6	107.1	100.9	96.3	91.6	85.4	88.5	97.8	105.6	111.8	110.2
72.5°	65.2	66.8	68.3	68.3	63.7	57.4	60.6	66.8	68.3	69.9	68.3
75°	32.6	34.2	37.3	38.8	37.3	35.7	35.7	37.3	37.3	35.7	35.7
77.5°	6.2	7.8	10.9	12.4	12.4	12.4	12.4	12.4	14.0	12.4	12.4
80°	1.6	1.6	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
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)