

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: P640824

Luminaire Tested: GWS-SA5E-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-760-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19931.7 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 269.6  
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

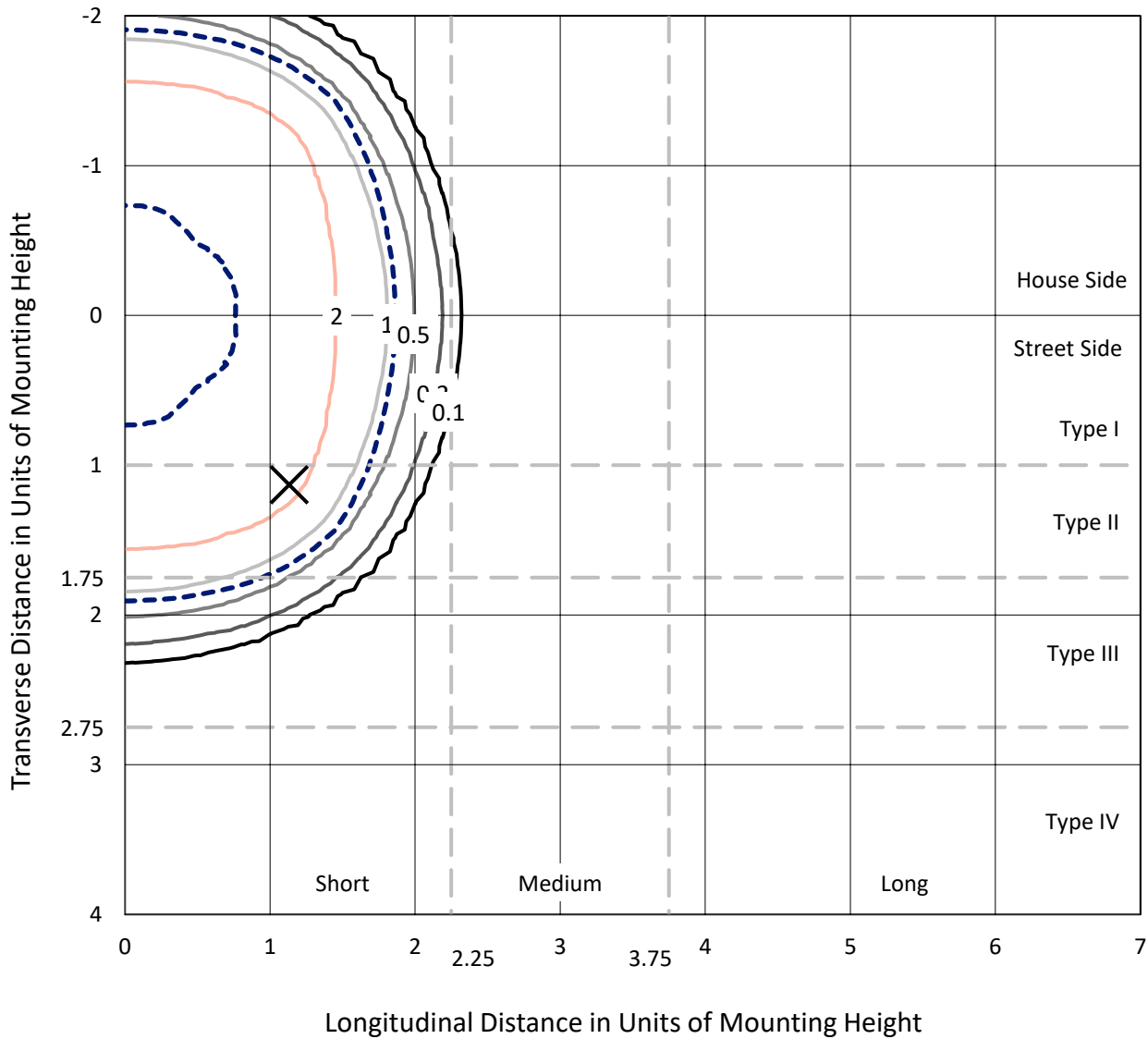


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### Iso-Footcandle Lines of Horizontal Illumination

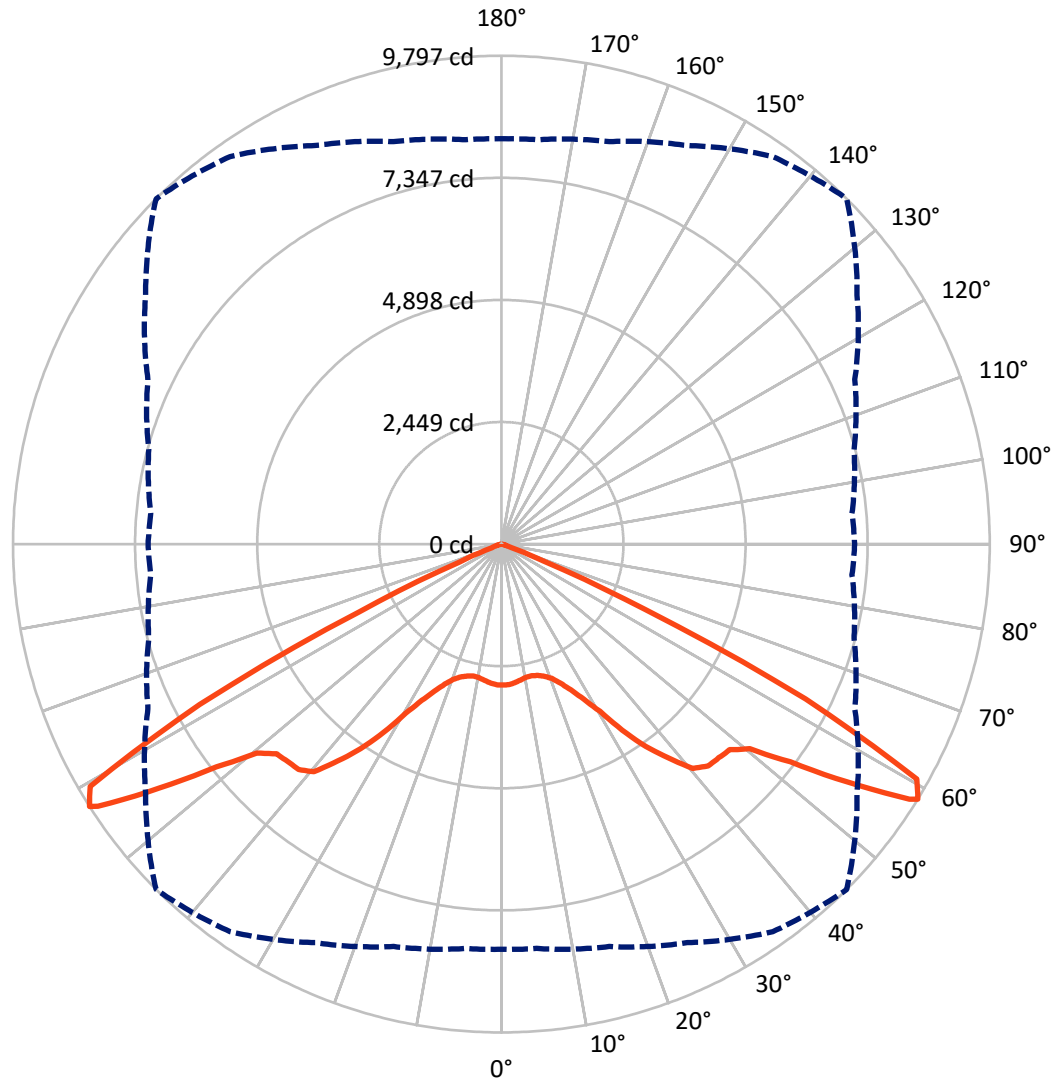
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9965.8	0.0	9965.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9965.8	0.0	9965.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19931.7	0.0	19931.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.7	1.3
10°-20°	780.3	3.9
20°-30°	1475.8	7.4
30°-40°	2910.7	14.6
40°-50°	4606.1	23.1
50°-60°	6770.7	34.0
60°-70°	3022.2	15.2
70°-80°	101.3	0.5
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°	19931.7	100.0
0°-180°	19931.7	100.0

**Coefficient of Utilization**



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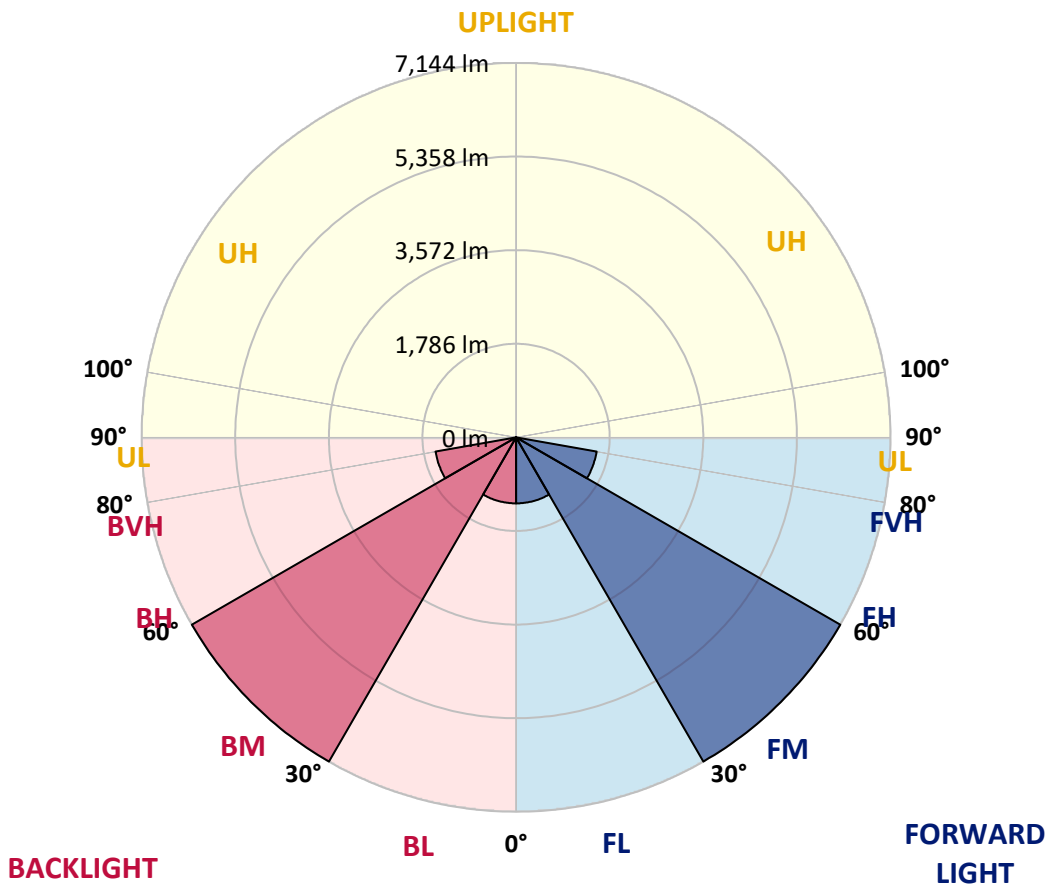
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1259.9	6.3			
FM (30°-60°)	7143.8	35.8			
FH (60°-80°)	1561.7	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1259.9	6.3	B3/2500		
BM (30°-60°)	7143.8	35.8	B4/8500		
BH (60°-80°)	1561.7	7.8	B3/2500		G1/1800
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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6	2826.6
2.5°	2799.4	2804.9	2810.3	2813.0	2815.7	2823.9	2826.6	2818.4	2818.4	2802.1	2821.1
5°	2785.9	2791.3	2796.7	2794.0	2794.0	2794.0	2791.3	2780.4	2777.7	2761.4	2780.4
7.5°	2761.4	2766.8	2766.8	2758.7	2753.3	2753.3	2750.6	2737.0	2734.3	2718.0	2737.0
10°	2742.4	2745.1	2742.4	2726.1	2715.3	2715.3	2712.5	2707.1	2709.8	2699.0	2715.3
12.5°	2753.3	2756.0	2745.1	2723.4	2709.8	2707.1	2699.0	2690.8	2699.0	2696.2	2712.5
15°	2788.6	2791.3	2772.3	2745.1	2734.3	2734.3	2712.5	2690.8	2701.7	2704.4	2723.4
17.5°	2832.0	2832.0	2807.6	2783.1	2785.9	2785.9	2750.6	2712.5	2715.3	2726.1	2745.1
20°	2883.6	2883.6	2859.2	2853.7	2872.7	2875.5	2832.0	2772.3	2758.7	2766.8	2788.6
22.5°	2975.9	2975.9	2956.9	2970.5	3013.9	3027.5	2962.3	2878.2	2845.6	2851.0	2872.7
25°	3119.8	3119.8	3114.4	3147.0	3209.4	3239.3	3152.4	3041.1	2986.8	2978.6	3003.1
27.5°	3361.5	3364.2	3356.1	3404.9	3483.7	3519.0	3399.5	3252.9	3187.7	3174.1	3198.6
30°	3673.7	3673.7	3676.5	3744.3	3847.5	3893.7	3736.2	3565.1	3489.1	3445.7	3478.2
32.5°	4021.3	4026.7	4053.9	4167.9	4349.8	4444.9	4214.1	3975.1	3852.9	3806.8	3842.1
35°	4594.2	4542.6	4510.0	4594.2	4857.6	4982.5	4686.5	4406.9	4314.5	4309.1	4398.7
37.5°	5161.7	5131.8	5064.0	5150.8	5387.1	5444.1	5118.3	4884.7	4819.6	4854.9	4944.5
40°	5612.4	5558.1	5468.5	5550.0	5859.5	5916.5	5514.7	5283.9	5259.4	5338.2	5460.4
42.5°	5968.1	5892.1	5772.6	5791.6	6041.4	6082.2	5726.5	5552.7	5569.0	5666.7	5805.2
45°	6128.3	6068.6	5962.7	5954.6	6112.0	6114.8	5835.1	5745.5	5788.9	5865.0	5973.6
47.5°	6196.2	6169.1	6109.3	6095.7	6185.4	6163.6	5989.9	5951.8	5992.6	6014.3	6076.7
50°	6364.6	6364.6	6372.7	6383.6	6475.9	6454.2	6332.0	6288.5	6236.9	6160.9	6179.9
52.5°	6837.0	6856.0	6934.8	7021.6	7190.0	7260.6	7062.4	6809.9	6562.8	6397.1	6397.1
55°	7689.6	7708.6	7800.9	7947.6	8257.1	8425.4	7963.8	7407.2	7067.8	6842.4	6872.3
57.5°	8159.3	8181.1	8371.1	8767.6	9367.6	9652.7	8661.7	7836.2	7361.1	7103.1	7124.8
58°	8129.5	8143.0	8357.6	8821.9	9489.8	9796.6	8710.5	7822.6	7323.0	7059.7	7086.8
60°	7222.6	7203.6	7545.7	8208.2	9150.4	9574.0	8224.5	7141.1	6560.1	6291.2	6304.8
62.5°	4721.8	4732.7	5028.7	5721.0	6454.2	6853.3	5745.5	4939.0	4472.0	4309.1	4268.4
65°	1971.3	1936.0	2117.9	2503.5	2943.3	3166.0	2720.7	2302.5	2014.7	1906.1	1936.0
67.5°	507.8	494.2	505.0	632.7	773.8	915.0	768.4	586.5	510.5	515.9	515.9
70°	287.8	271.5	219.9	203.6	198.2	198.2	198.2	198.2	228.1	268.8	277.0
72.5°	217.2	203.6	160.2	138.5	122.2	114.0	119.5	138.5	165.6	200.9	206.4
75°	108.6	108.6	97.7	92.3	81.5	76.0	78.7	86.9	100.5	114.0	111.3
77.5°	21.7	24.4	27.2	32.6	27.2	27.2	27.2	32.6	32.6	35.3	32.6
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	0.0	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)