

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: P636363

Luminaire Tested: GWS-SA3F-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636363  
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-SA3F-760-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

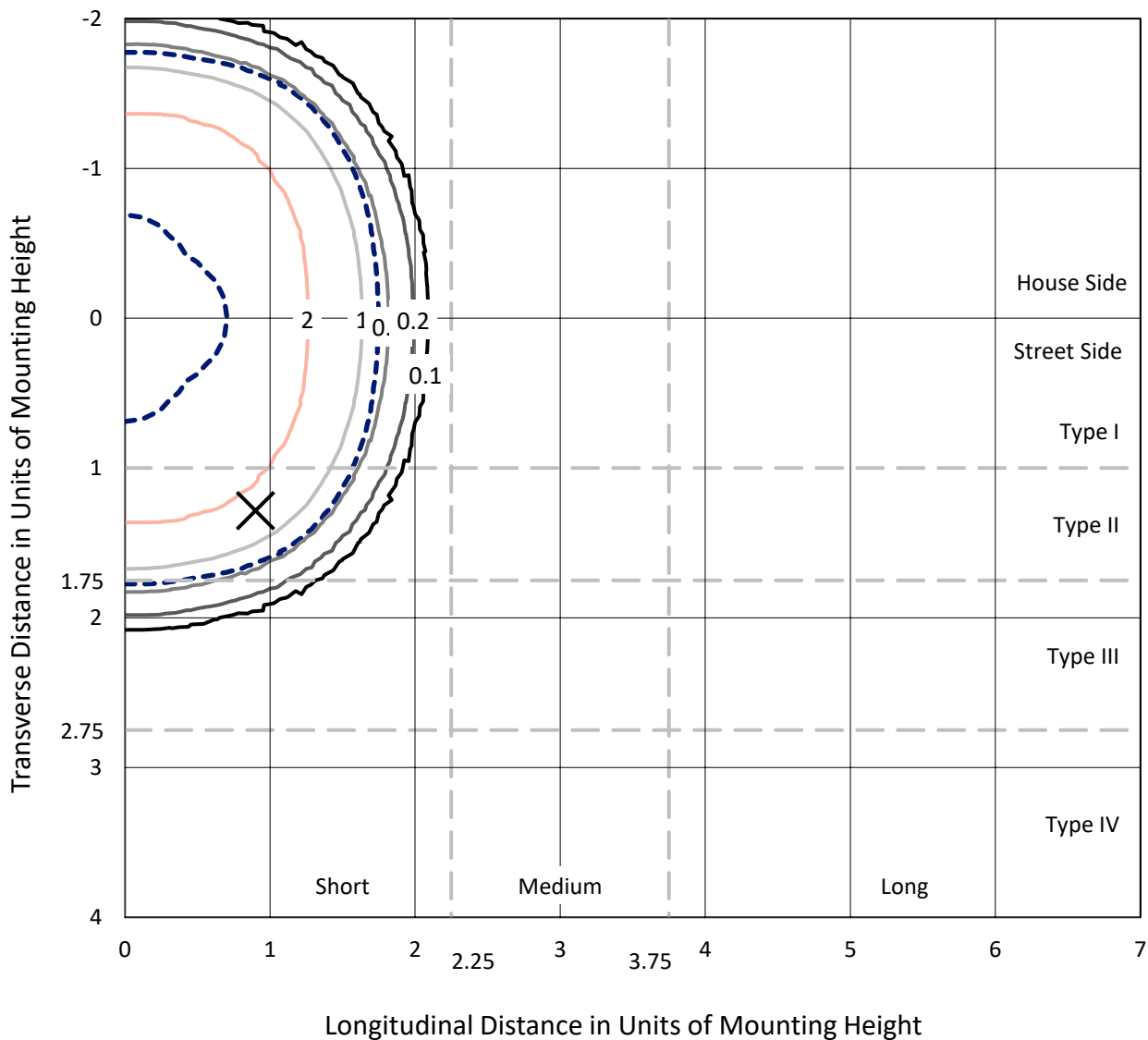
Lumens per Lamp: N/A  
Luminaire Lumens: 15072 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

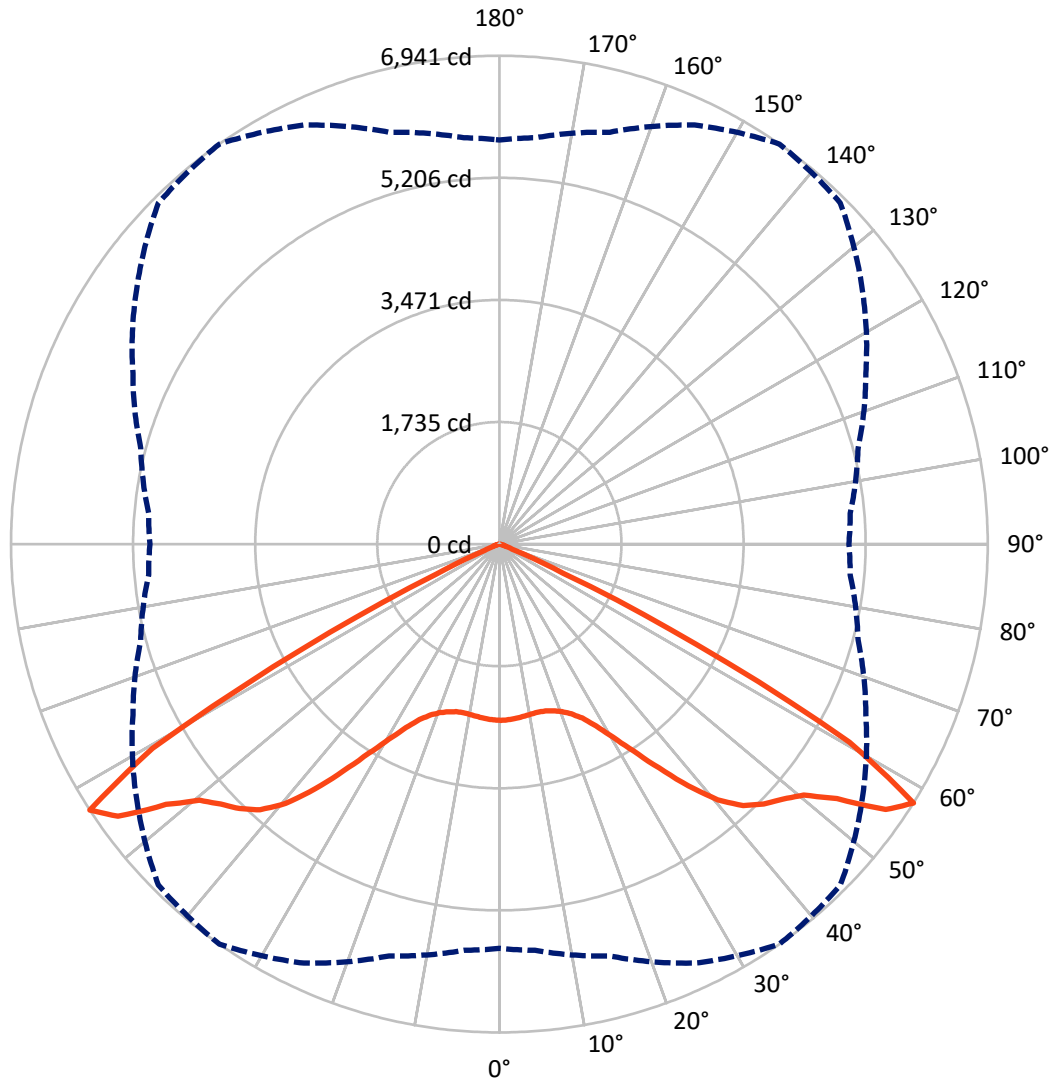
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	7536.0	0.0	7536.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7536.0	0.0	7536.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15072.0	0.0	15072.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.1	1.6
10°-20°	694.5	4.6
20°-30°	1255.3	8.3
30°-40°	2341.9	15.5
40°-50°	3928.6	26.1
50°-60°	5188.0	34.4
60°-70°	1377.8	9.1
70°-80°	48.9	0.3
80°-90°	0.9	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°	15072.0	100.0
0°-180°	15072.0	100.0

**Coefficient of Utilization**



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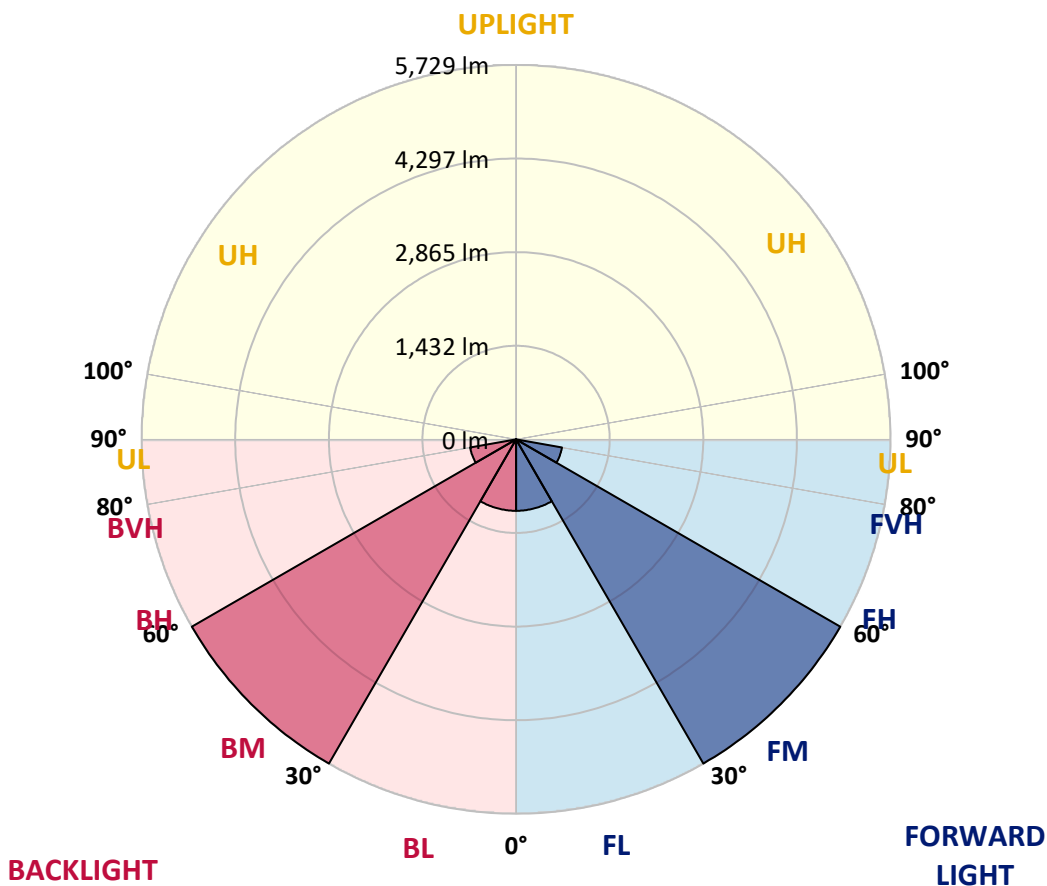
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.9	7.3			
FM (30°-60°)	5729.2	38.0			
FH (60°-80°)	713.4	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1092.9	7.3	B3/2500		
BM (30°-60°)	5729.2	38.0	B4/8500		
BH (60°-80°)	713.4	4.7	B2/1000		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°	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9
2.5°	2488.2	2486.4	2493.5	2498.8	2498.8	2511.2	2507.6	2504.1	2500.6	2495.2	2507.6
5°	2484.6	2482.9	2488.2	2491.7	2488.2	2498.8	2491.7	2484.6	2481.1	2474.0	2488.2
7.5°	2468.7	2470.5	2474.0	2477.6	2472.3	2481.1	2472.3	2461.6	2452.8	2445.7	2458.1
10°	2444.0	2445.7	2449.3	2456.3	2458.1	2470.5	2458.1	2438.7	2426.3	2415.7	2428.0
12.5°	2431.6	2433.4	2438.7	2447.5	2449.3	2465.2	2449.3	2421.0	2403.3	2390.9	2403.3
15°	2435.1	2438.7	2445.7	2456.3	2459.9	2475.8	2454.6	2417.4	2392.7	2376.8	2387.4
17.5°	2447.5	2451.0	2461.6	2479.3	2491.7	2507.6	2481.1	2433.4	2399.8	2376.8	2387.4
20°	2463.4	2468.7	2486.4	2514.7	2541.2	2569.5	2535.9	2470.5	2426.3	2398.0	2406.8
22.5°	2507.6	2512.9	2537.7	2574.8	2619.0	2654.4	2613.7	2530.6	2470.5	2433.4	2442.2
25°	2597.8	2603.1	2635.0	2682.7	2739.3	2785.3	2734.0	2629.6	2551.8	2509.4	2512.9
27.5°	2739.3	2744.6	2781.7	2848.9	2925.0	2990.4	2916.1	2794.1	2705.7	2656.2	2656.2
30°	2917.9	2925.0	2974.5	3064.7	3183.2	3269.8	3169.0	3020.5	2907.3	2840.1	2841.9
32.5°	3147.8	3140.7	3211.5	3335.2	3503.2	3618.2	3469.6	3289.3	3149.6	3055.8	3064.7
35°	3443.1	3441.4	3520.9	3688.9	3908.2	4046.2	3869.3	3635.9	3467.9	3372.4	3374.2
37.5°	3823.3	3821.6	3913.5	4095.7	4359.2	4474.1	4276.0	4039.1	3858.7	3766.7	3777.4
40°	4269.0	4258.4	4339.7	4514.8	4778.3	4852.6	4636.8	4445.8	4272.5	4214.2	4242.4
42.5°	4693.4	4670.4	4718.2	4877.3	5080.7	5091.3	4928.6	4797.7	4679.2	4633.3	4651.0
45°	5034.7	5017.0	5061.2	5153.2	5269.9	5216.8	5139.0	5098.4	5002.9	4953.4	4969.3
47.5°	5289.4	5289.4	5342.4	5399.0	5416.7	5319.4	5331.8	5331.8	5236.3	5158.5	5139.0
50°	5508.6	5524.6	5604.1	5662.5	5604.1	5480.3	5551.1	5536.9	5342.4	5186.8	5146.1
52.5°	5858.8	5874.7	5996.7	6076.3	6010.9	5888.8	5897.7	5720.8	5434.4	5250.4	5186.8
55°	6230.2	6269.1	6445.9	6658.1	6659.9	6534.3	6300.9	5987.9	5639.5	5439.7	5374.2
57.5°	5743.8	5796.9	6060.4	6571.5	6941.1	6854.4	6297.4	5747.4	5277.0	5004.6	4967.5
60°	3952.4	4044.4	4307.9	5006.4	5719.1	5752.7	5094.8	4477.6	3938.3	3602.3	3609.4
62.5°	1669.4	1763.1	1911.7	2486.4	3140.7	3181.4	2863.1	2421.0	1980.6	1738.4	1775.5
65°	392.6	419.1	463.3	687.9	997.4	1043.4	962.0	749.8	553.5	468.6	477.5
67.5°	171.5	175.1	166.2	176.8	219.3	224.6	217.5	191.0	180.4	183.9	183.9
70°	120.3	122.0	114.9	109.6	104.3	97.3	100.8	111.4	120.3	127.3	125.6
72.5°	74.3	76.0	77.8	77.8	72.5	65.4	69.0	76.0	77.8	79.6	77.8
75°	37.1	38.9	42.4	44.2	42.4	40.7	40.7	42.4	42.4	40.7	40.7
77.5°	7.1	8.8	12.4	14.1	14.1	14.1	14.1	14.1	15.9	14.1	14.1
80°	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
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)