

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: P636378

Luminaire Tested: GWS-SA3F-760-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-760-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

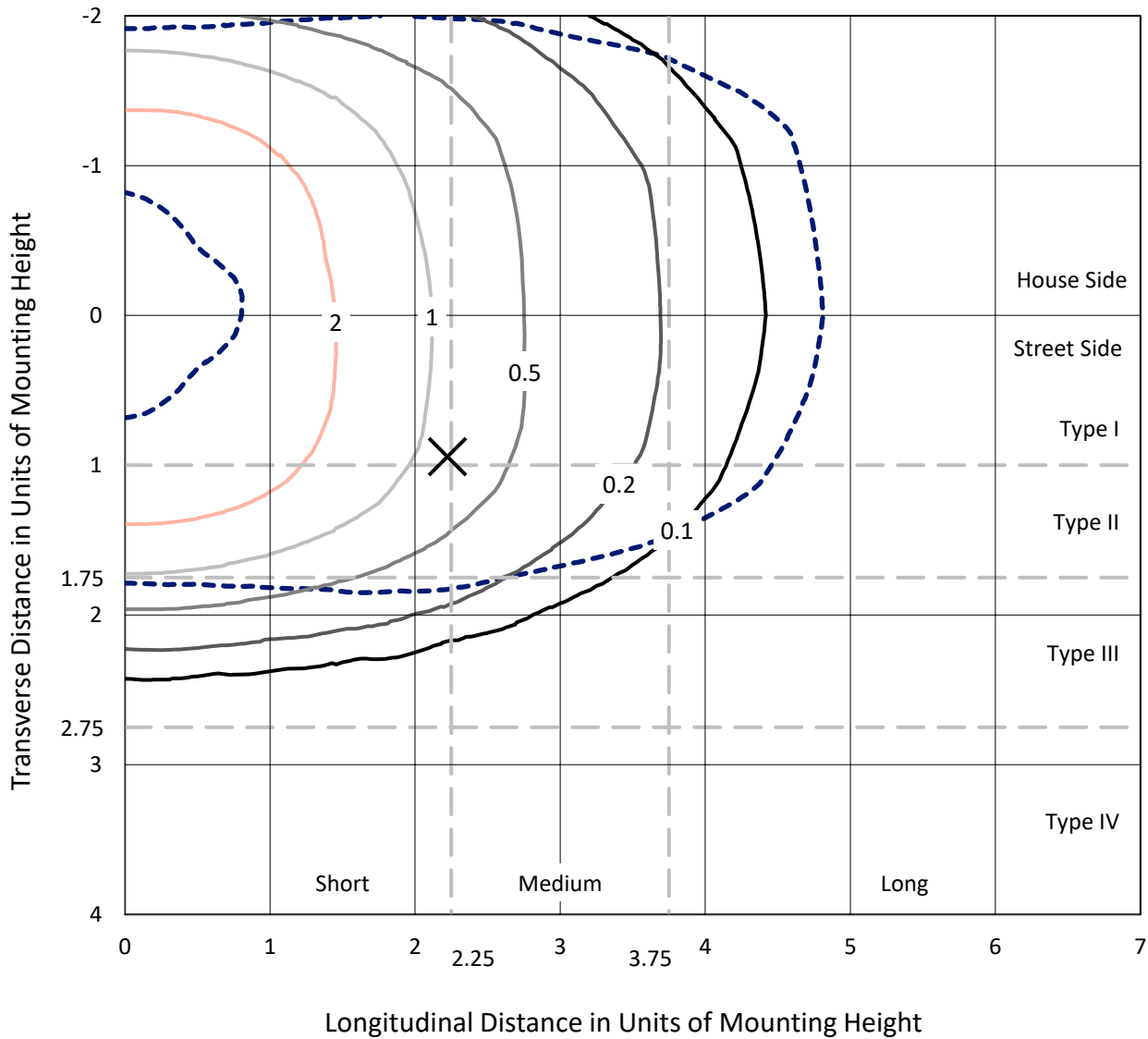
Lumens per Lamp: N/A  
Luminaire Lumens: 25394 lumens  
Efficiency: N/A  
Efficacy: 138.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

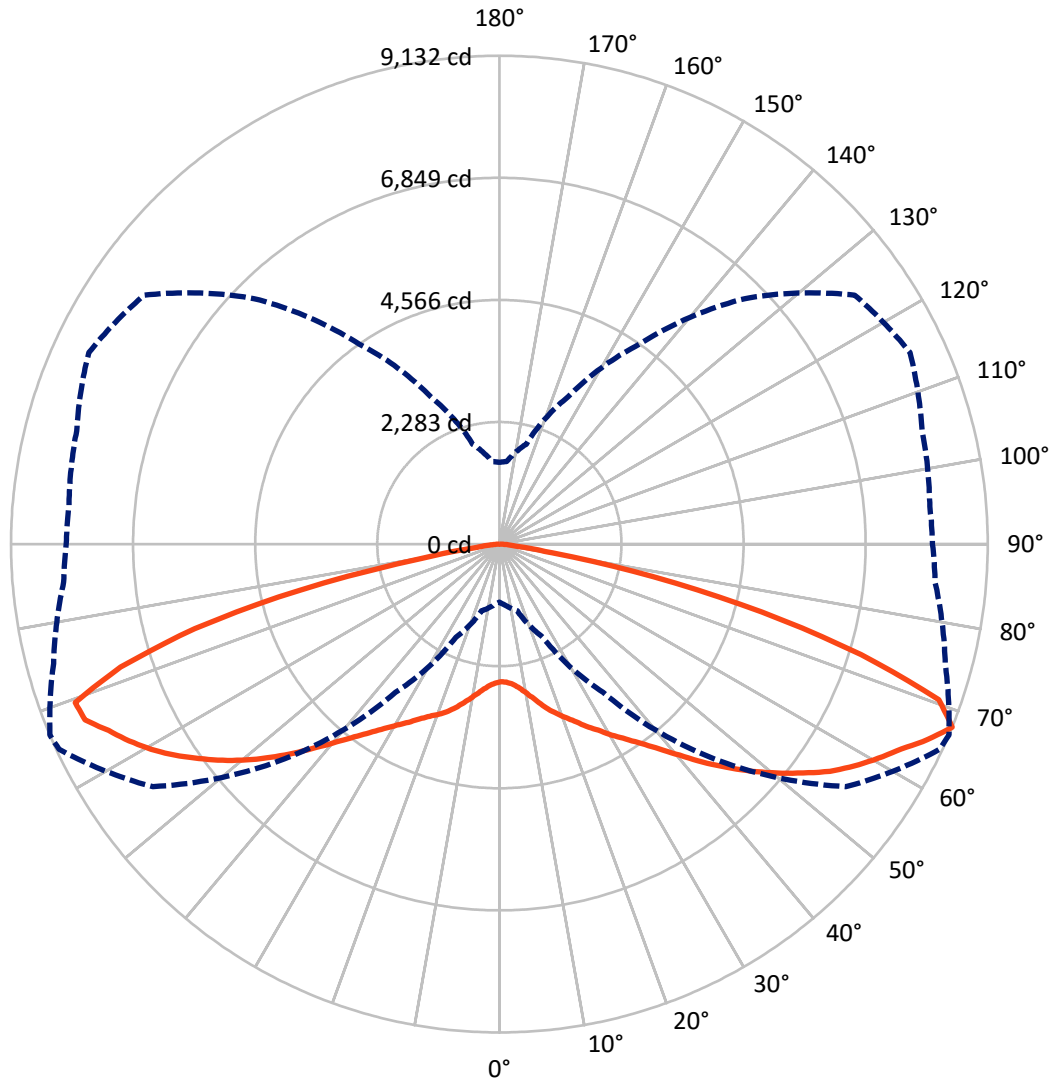
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12556.9	0.0	12556.9
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	12837.1	0.0	12837.1
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	25394.0	0.0	25394.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.3	1.0
10°-20°	852.3	3.4
20°-30°	1672.2	6.6
30°-40°	2848.8	11.2
40°-50°	4574.6	18.0
50°-60°	6216.0	24.5
60°-70°	5946.0	23.4
70°-80°	2826.9	11.1
80°-90°	204.9	0.8
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°	25394.0	100.0
0°-180°	25394.0	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3
2.5°	2518.2	2521.8	2527.1	2537.7	2548.3	2564.2	2580.1	2578.4	2585.4	2590.7	2596.0
5°	2504.1	2507.6	2516.5	2530.6	2546.5	2573.1	2606.7	2620.8	2631.4	2650.9	2668.5
7.5°	2534.1	2541.2	2553.6	2573.1	2597.8	2631.4	2677.4	2702.1	2718.1	2753.4	2783.5
10°	2574.8	2583.7	2608.4	2645.6	2682.7	2734.0	2792.3	2829.5	2840.1	2886.1	2942.7
12.5°	2613.7	2624.3	2665.0	2732.2	2799.4	2868.4	2937.3	2983.3	2986.9	3048.8	3112.4
15°	2675.6	2684.5	2739.3	2825.9	2928.5	3024.0	3108.9	3140.7	3154.9	3199.1	3278.7
17.5°	2811.8	2822.4	2893.1	2986.9	3094.7	3195.5	3280.4	3306.9	3306.9	3344.1	3409.5
20°	2958.6	2969.2	3062.9	3183.2	3314.0	3416.6	3482.0	3457.3	3448.4	3459.0	3505.0
22.5°	3123.0	3142.5	3232.7	3372.4	3533.3	3658.9	3692.5	3618.2	3593.4	3568.7	3579.3
25°	3333.5	3356.5	3444.9	3593.4	3750.8	3883.5	3902.9	3788.0	3773.8	3687.2	3655.3
27.5°	3575.7	3593.4	3703.1	3849.9	3996.6	4108.0	4129.3	3987.8	3940.0	3819.8	3745.5
30°	3888.8	3904.7	4000.2	4145.2	4272.5	4350.3	4376.8	4182.3	4145.2	3961.3	3846.3
32.5°	4230.1	4237.1	4334.4	4474.1	4587.3	4661.6	4624.4	4398.1	4343.2	4136.3	3978.9
35°	4620.9	4620.9	4746.4	4859.6	4949.8	4971.0	4900.3	4642.1	4578.4	4353.9	4157.6
37.5°	5004.6	5015.2	5132.0	5266.4	5345.9	5342.4	5213.3	4930.4	4857.9	4613.8	4396.3
40°	5420.2	5443.2	5559.9	5710.2	5786.3	5775.7	5577.6	5262.8	5188.5	4900.3	4688.1
42.5°	5802.2	5839.3	5975.5	6129.3	6212.5	6205.4	5998.5	5644.8	5572.3	5246.9	5034.7
45°	6106.4	6145.3	6315.0	6529.0	6661.6	6649.3	6440.6	6040.9	5952.5	5611.2	5377.8
47.5°	6373.4	6414.1	6603.3	6829.6	7040.1	7061.3	6870.3	6440.6	6346.9	6002.0	5738.5
50°	6578.5	6598.0	6810.2	7057.8	7301.8	7420.3	7254.1	6842.0	6728.8	6387.5	6090.4
52.5°	6562.6	6589.1	6850.9	7186.9	7514.0	7708.5	7593.6	7220.5	7110.8	6739.5	6449.4
55°	6239.0	6265.5	6576.8	7066.6	7632.5	7919.0	7906.6	7581.2	7501.6	7098.4	6822.6
57.5°	5766.8	5825.2	6134.7	6663.4	7476.9	8087.0	8136.5	7910.1	7827.0	7450.4	7192.2
60°	4921.5	4999.3	5356.5	6042.7	6978.2	8030.4	8382.3	8187.8	8136.5	7777.5	7526.4
62.5°	3575.7	3632.3	4108.0	5008.2	6239.0	7627.2	8589.2	8474.3	8435.4	8071.1	7828.8
65°	2141.6	2270.7	2652.6	3542.1	5032.9	6866.8	8476.0	8849.2	8808.5	8373.5	8087.0
67.5°	1084.0	1142.4	1292.7	1920.5	3384.8	5681.9	7908.4	9082.6	9132.1	8631.7	8178.9
70°	672.0	687.9	730.4	947.9	1690.6	3733.1	6467.1	8474.3	8716.5	8591.0	7940.2
72.5°	539.4	542.9	550.0	590.7	811.7	1745.4	4088.6	6636.9	7073.7	8023.3	7598.9
75°	447.4	449.2	450.9	463.3	505.8	712.7	1989.5	4560.8	5071.8	6819.0	7045.4
77.5°	359.0	350.1	357.2	362.5	373.1	397.9	686.1	2433.3	2951.5	4475.9	5448.5
80°	233.4	229.9	244.0	249.3	260.0	275.9	366.1	825.9	1002.7	1628.7	1733.1
82.5°	125.6	118.5	148.5	143.2	148.5	160.9	215.7	302.4	339.5	491.6	415.6
85°	38.9	38.9	40.7	47.7	58.4	56.6	93.7	148.5	164.5	210.4	155.6
87.5°	7.1	7.1	7.1	7.1	7.1	8.8	19.5	30.1	40.7	72.5	54.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3	2571.3
2.5°	2606.7	2590.7	2599.6	2604.9	2603.1	2599.6	2581.9	2578.4	2569.5	2555.4	2551.8
5°	2684.5	2666.8	2668.5	2663.2	2645.6	2622.6	2583.7	2564.2	2548.3	2530.6	2528.8
7.5°	2806.5	2787.0	2781.7	2757.0	2707.5	2654.4	2592.5	2557.1	2530.6	2507.6	2504.1
10°	2962.1	2942.7	2925.0	2866.6	2785.3	2714.5	2633.2	2581.9	2543.0	2514.7	2509.4
12.5°	3135.4	3119.5	3075.3	2990.4	2893.1	2810.0	2726.9	2663.2	2606.7	2564.2	2558.9
15°	3328.2	3292.8	3225.6	3116.0	3024.0	2956.8	2856.0	2769.3	2679.2	2622.6	2610.2
17.5°	3462.6	3432.5	3352.9	3246.8	3174.3	3116.0	2997.5	2873.7	2751.7	2668.5	2650.9
20°	3558.1	3526.2	3436.0	3358.2	3335.2	3285.7	3147.8	3004.5	2863.1	2760.5	2737.5
22.5°	3627.0	3593.4	3501.5	3462.6	3494.4	3485.6	3351.2	3188.5	3020.5	2898.4	2870.1
25°	3692.5	3660.6	3579.3	3593.4	3678.3	3704.8	3559.8	3370.6	3179.6	3036.4	3002.8
27.5°	3754.4	3713.7	3676.5	3754.4	3874.6	3924.1	3770.3	3556.3	3349.4	3202.6	3176.1
30°	3849.9	3802.1	3796.8	3910.0	4101.0	4143.4	3973.6	3759.7	3554.5	3406.0	3372.4
32.5°	3970.1	3925.9	3929.4	4099.2	4320.3	4355.6	4210.6	4010.8	3805.6	3657.1	3611.1
35°	4132.8	4078.0	4108.0	4316.7	4539.5	4605.0	4488.3	4322.0	4122.2	3970.1	3918.8
37.5°	4357.4	4277.8	4339.7	4559.0	4783.6	4880.8	4790.7	4666.9	4468.8	4314.9	4267.2
40°	4643.9	4578.4	4603.2	4845.5	5077.1	5193.9	5137.3	5015.2	4818.9	4658.0	4603.2
42.5°	4983.4	4918.0	4909.1	5167.3	5399.0	5575.8	5521.0	5409.6	5206.2	5022.3	4969.3
45°	5315.9	5255.7	5268.1	5531.6	5791.6	5984.3	5929.5	5798.7	5577.6	5365.4	5322.9
47.5°	5662.5	5613.0	5623.6	5903.0	6189.5	6382.2	6313.3	6154.1	5895.9	5669.6	5618.3
50°	6017.9	5961.3	5977.3	6270.8	6580.3	6762.4	6656.3	6421.1	6136.4	5915.4	5871.2
52.5°	6371.6	6304.4	6345.1	6622.7	6942.8	7087.8	6891.5	6606.8	6330.9	6111.7	6062.1
55°	6778.4	6707.6	6663.4	6960.5	7277.1	7337.2	7068.4	6735.9	6408.8	6159.4	6129.3
57.5°	7149.7	7089.6	7006.5	7303.6	7537.0	7492.8	7204.5	6700.5	6219.5	5899.5	5857.0
60°	7482.2	7430.9	7358.4	7611.3	7717.4	7618.4	7094.9	6281.4	5752.7	5418.4	5399.0
62.5°	7788.1	7733.3	7666.1	7881.9	7867.7	7637.8	6596.2	5637.7	4930.4	4571.4	4539.5
65°	8030.4	7980.9	7961.4	8131.2	8108.2	7257.6	5819.9	4583.7	3602.3	3197.3	3184.9
67.5°	8099.4	8079.9	8184.3	8472.5	8113.5	6493.6	4564.3	3039.9	1934.7	1550.9	1527.9
70°	7841.2	7839.4	8138.3	8550.3	7377.9	4960.4	2693.3	1370.5	972.6	863.0	848.8
72.5°	7505.2	7499.9	7736.8	7376.1	5471.5	2714.5	1133.6	733.9	608.3	578.3	578.3
75°	6953.4	6939.3	7117.9	5611.2	3077.1	1022.1	601.3	504.0	477.5	472.2	472.2
77.5°	5667.8	5549.3	5268.1	3467.9	1073.4	502.2	397.9	396.1	380.2	378.4	378.4
80°	1863.9	1863.9	2166.3	1322.8	473.9	309.5	281.2	295.3	279.4	268.8	267.0
82.5°	304.2	419.1	596.0	378.4	256.4	192.8	173.3	183.9	192.8	153.9	153.9
85°	120.3	157.4	229.9	176.8	118.5	77.8	83.1	92.0	81.3	70.7	69.0
87.5°	46.0	56.6	81.3	42.4	24.8	14.1	8.8	8.8	7.1	7.1	7.1
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)