

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: P628627

Luminaire Tested: GWS-SA1A-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628627  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

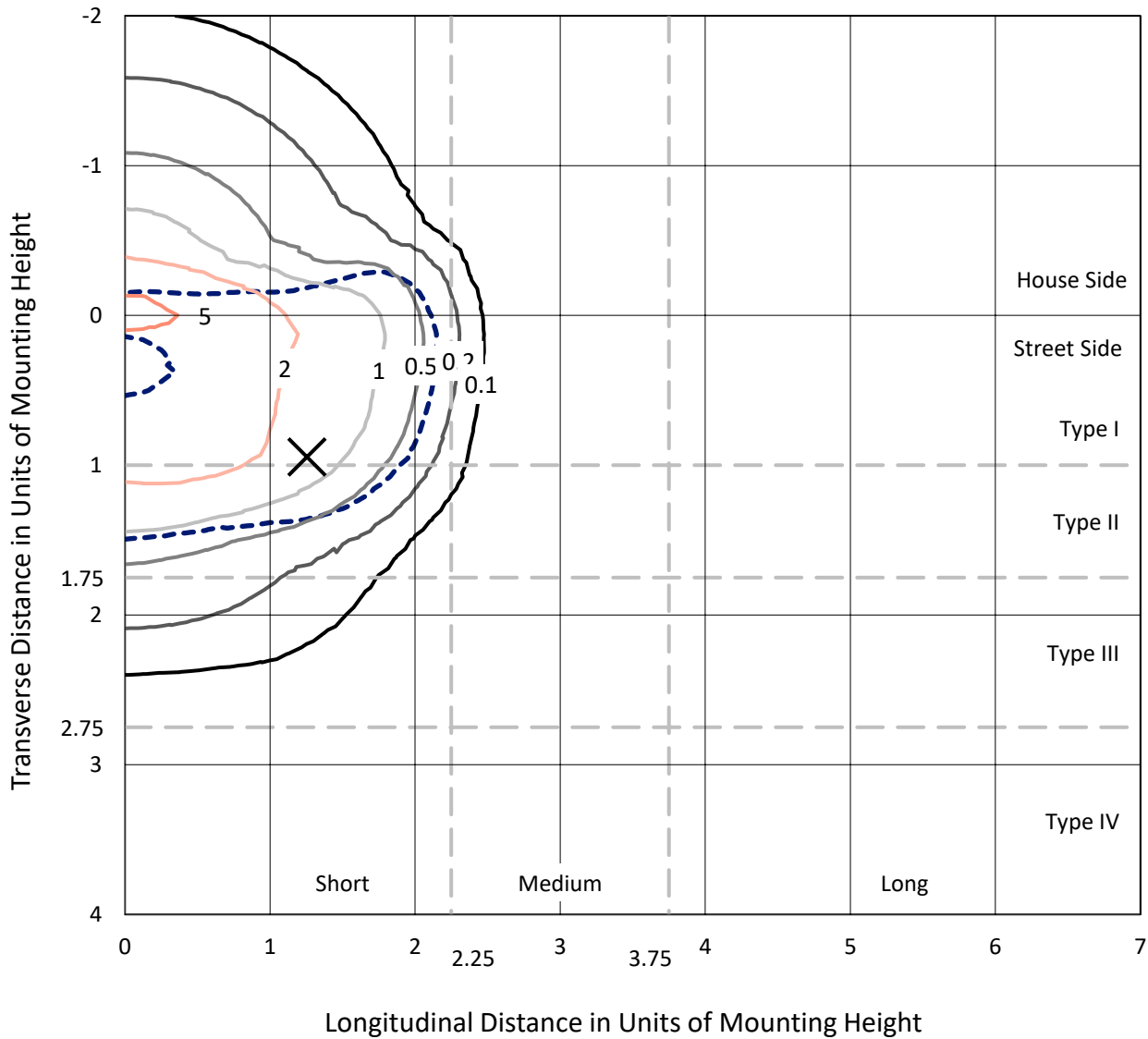
Lumens per Lamp: N/A  
Luminaire Lumens: 1784.1 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

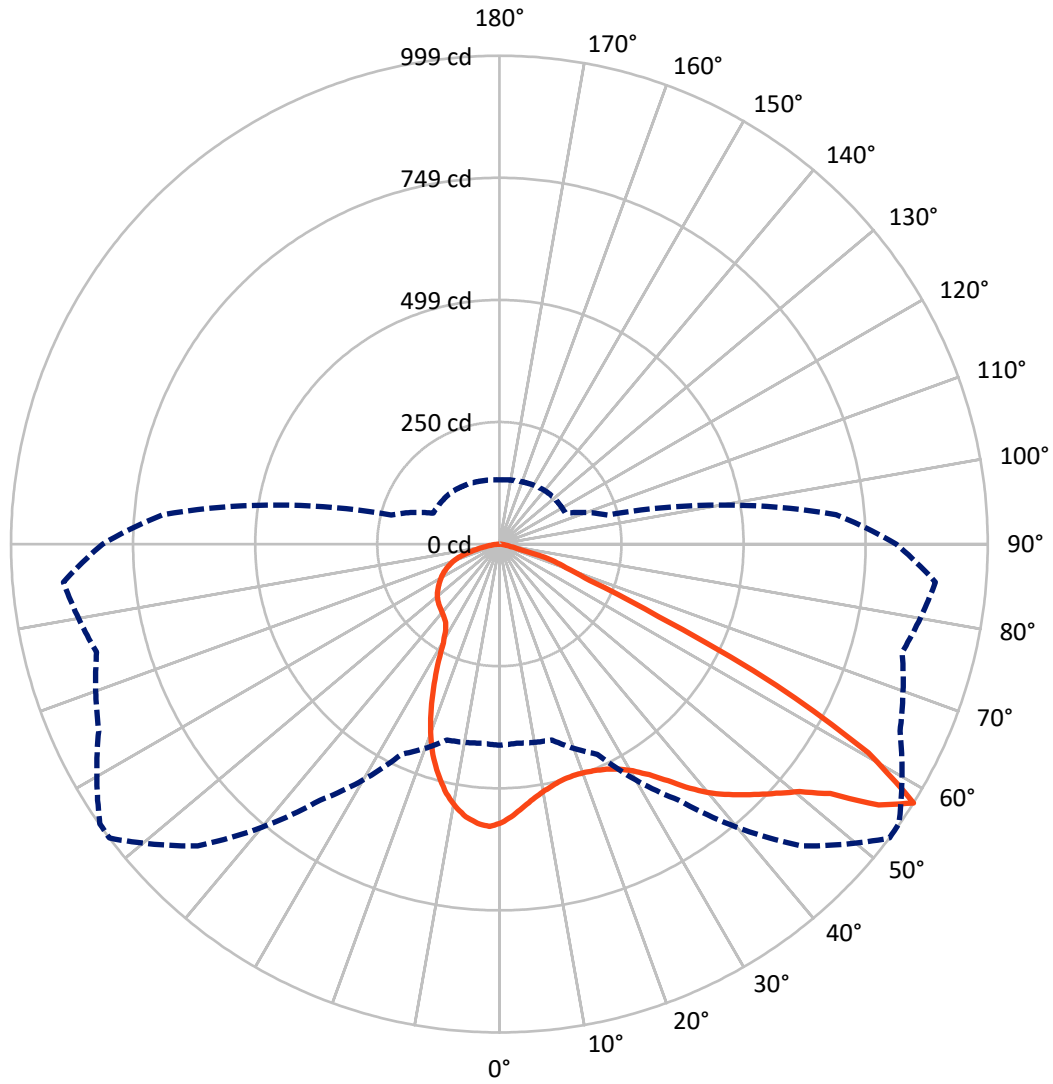
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	557.8	0.0	557.8
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	1226.3	0.0	1226.3
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	1784.1	0.0	1784.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.5	2.9
10°-20°	135.2	7.6
20°-30°	199.1	11.2
30°-40°	278.7	15.6
40°-50°	366.4	20.5
50°-60°	429.6	24.1
60°-70°	253.1	14.2
70°-80°	63.0	3.5
80°-90°	7.4	0.4
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°	1784.1	100.0
0°-180°	1784.1	100.0

**Coefficient of Utilization**



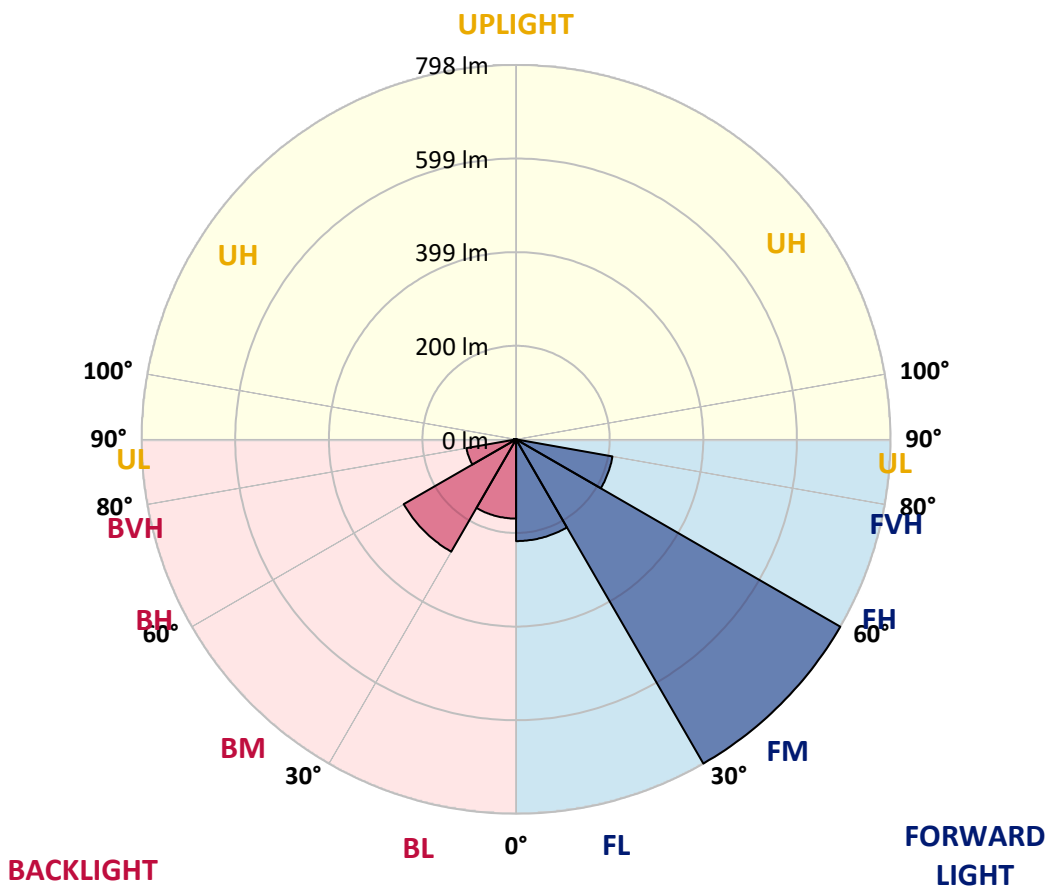
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.9	12.2			
FM (30°-60°)	798.2	44.7			
FH (60°-80°)	208.7	11.7			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	168.9	9.5	B1/500		
BM (30°-60°)	276.6	15.5	B1/1000		
BH (60°-80°)	107.4	6.0	B0/110		G0/110
BVH (80°-90°)	4.9	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7
2.5°	537.0	538.5	538.8	543.4	543.7	550.5	555.0	554.1	558.7	564.5	569.0
5°	511.3	511.4	513.0	518.5	521.5	530.4	537.9	537.9	546.9	558.6	568.7
7.5°	490.1	490.0	491.3	497.5	502.4	513.1	523.3	524.5	537.1	554.2	570.6
10°	470.5	471.5	473.0	480.5	486.8	500.0	512.2	514.2	530.1	551.2	573.3
12.5°	457.8	458.0	460.2	468.7	476.8	490.9	503.6	506.0	524.4	548.4	575.3
15°	449.7	449.9	452.3	461.6	471.1	485.3	498.4	501.1	521.1	547.9	579.0
17.5°	446.1	446.0	448.2	457.5	467.9	482.8	496.7	500.0	522.6	551.4	585.6
20°	446.1	446.3	447.5	455.9	466.4	482.2	498.4	502.4	528.4	559.2	595.8
22.5°	452.4	453.0	453.6	459.3	467.6	483.1	502.7	508.1	541.0	572.3	609.2
25°	464.7	464.9	465.5	470.2	473.9	485.6	509.9	518.1	560.7	591.3	626.0
27.5°	481.3	483.4	484.0	487.0	487.0	491.9	521.2	532.9	587.3	618.8	647.5
30°	504.4	505.1	506.2	509.5	505.9	503.8	537.7	552.7	618.1	652.0	673.3
32.5°	524.7	526.3	532.0	537.4	531.0	524.4	562.1	579.8	647.6	686.5	700.8
35°	541.9	546.0	556.9	569.0	564.5	557.8	594.3	612.8	672.0	711.3	725.1
37.5°	562.8	566.0	581.0	600.5	604.5	601.4	633.7	646.9	688.2	717.6	738.3
40°	584.0	588.8	608.2	635.2	650.6	652.9	670.0	678.9	693.7	705.3	735.8
42.5°	605.6	613.9	640.4	672.0	699.5	704.6	700.7	704.4	691.9	688.3	723.9
45°	632.0	641.8	671.8	712.1	748.3	756.2	730.7	727.2	691.6	681.9	716.6
47.5°	663.3	673.0	701.7	748.6	794.8	800.7	761.5	755.2	702.2	691.8	726.5
50°	690.9	697.6	723.3	775.7	838.2	841.7	795.4	787.7	728.3	719.3	757.4
52.5°	662.8	662.1	689.1	753.7	860.7	902.3	847.7	840.3	778.7	764.9	805.3
55°	562.4	553.8	578.0	641.5	797.8	956.2	941.4	926.6	846.0	810.9	850.2
57.5°	411.1	408.7	414.6	474.2	639.1	872.7	998.7	997.4	904.1	852.9	895.0
60°	321.5	317.9	302.3	303.9	435.6	681.7	866.7	906.5	940.2	878.1	926.2
62.5°	285.5	282.8	274.6	252.3	259.5	457.1	635.3	671.8	821.5	775.6	795.6
65°	236.4	235.6	242.4	241.5	217.4	252.4	358.6	395.4	516.6	523.0	516.6
67.5°	171.8	170.4	187.6	221.3	209.3	190.6	199.9	212.6	264.9	237.9	214.1
70°	111.7	109.8	119.7	159.9	187.4	166.1	144.0	141.9	145.7	90.5	97.9
72.5°	74.9	72.7	72.5	88.0	113.2	111.9	111.6	110.5	98.7	71.5	79.3
75°	41.7	39.9	39.5	38.0	40.5	41.3	44.0	45.5	49.3	54.2	60.1
77.5°	7.1	6.9	8.7	11.1	15.3	19.7	24.3	25.7	31.7	37.5	41.3
80°	3.9	4.1	5.3	6.5	8.6	11.7	15.0	15.9	19.5	22.7	25.7
82.5°	2.1	2.1	2.7	3.5	4.7	6.2	8.1	8.9	11.3	13.2	15.3
85°	0.8	0.8	1.1	1.4	2.0	2.6	3.2	3.6	5.0	6.8	7.7
87.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.6	0.8	1.4	2.0
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°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7
2.5°	572.7	568.7	574.2	576.8	577.7	578.3	574.4	571.7	570.8	567.9	566.3
5°	574.8	572.1	577.4	577.4	573.6	569.7	561.8	556.2	552.3	547.6	546.9
7.5°	578.4	576.5	579.3	573.5	564.0	553.5	539.7	528.9	520.2	514.5	514.6
10°	583.2	580.8	578.6	565.5	548.2	528.9	507.7	491.9	477.5	470.9	467.3
12.5°	586.4	582.9	573.5	551.8	526.5	500.5	470.6	447.2	426.3	416.8	416.1
15°	590.3	584.0	565.1	534.1	498.8	463.4	425.0	392.4	364.1	349.4	348.7
17.5°	595.4	585.0	555.0	513.9	469.7	417.4	369.1	328.1	298.1	286.7	288.6
20°	602.6	586.2	543.6	491.3	433.5	365.2	305.0	267.3	255.7	255.0	253.5
22.5°	610.7	587.0	531.0	466.1	389.7	309.5	252.0	235.9	235.8	239.5	240.4
25°	619.9	587.6	516.7	436.7	342.2	253.9	222.8	218.0	221.8	228.8	229.7
27.5°	631.6	588.8	499.4	404.4	291.8	219.4	206.8	205.6	210.1	216.7	216.4
30°	648.8	593.1	481.1	367.3	240.0	203.0	197.0	197.2	199.0	202.1	202.6
32.5°	666.4	599.9	463.2	325.5	210.2	193.7	191.0	190.7	190.7	192.1	192.4
35°	683.1	607.6	443.9	282.0	195.8	188.3	186.5	185.6	185.1	184.8	184.4
37.5°	692.4	611.3	425.0	239.1	188.2	184.7	182.9	181.7	180.0	178.8	178.5
40°	688.3	607.0	403.0	206.9	183.5	181.2	179.1	177.5	175.2	174.2	173.6
42.5°	674.8	593.4	379.2	191.8	179.7	177.5	174.9	172.2	170.7	169.8	169.7
45°	660.6	577.1	350.3	182.9	176.1	173.4	170.4	167.4	165.8	165.3	165.2
47.5°	660.1	569.0	319.7	175.8	171.8	169.1	165.3	162.3	160.5	159.9	159.3
50°	679.9	577.2	285.2	169.7	167.3	164.4	160.2	156.9	154.7	153.9	153.8
52.5°	721.1	608.3	254.2	163.5	161.3	158.0	154.5	151.2	148.5	147.2	147.0
55°	765.5	647.8	235.0	157.2	154.2	151.4	148.2	144.6	141.6	139.5	139.2
57.5°	811.5	690.9	229.1	149.3	147.0	145.1	141.3	137.4	133.9	132.0	131.5
60°	849.3	728.0	240.1	140.9	139.6	137.1	133.6	129.9	127.5	126.0	125.7
62.5°	711.0	592.7	193.9	131.7	131.7	129.0	125.1	122.4	120.7	119.7	119.4
65°	451.2	367.0	132.3	122.5	122.4	118.8	115.5	113.7	112.9	111.3	111.0
67.5°	196.6	167.7	113.1	113.2	112.6	108.7	105.4	104.1	102.6	100.8	100.6
70°	102.0	103.9	101.2	102.9	101.8	97.2	94.0	91.9	88.7	86.9	87.1
72.5°	82.3	84.4	87.4	89.9	87.7	83.9	79.0	76.4	72.4	70.4	70.6
75°	62.8	65.0	67.9	70.6	68.8	64.1	61.0	58.4	53.8	51.5	52.0
77.5°	43.2	44.4	47.9	47.8	47.2	45.8	41.1	38.1	33.3	30.6	30.9
80°	26.9	27.6	29.3	30.0	29.7	27.9	24.2	21.9	19.1	17.4	17.6
82.5°	16.2	16.7	18.2	18.3	18.2	16.8	14.0	12.3	10.5	9.6	9.6
85°	8.3	8.6	9.5	9.5	8.6	7.2	6.5	5.7	4.7	4.2	4.2
87.5°	2.3	2.3	2.9	2.4	2.0	1.8	0.9	0.8	0.3	0.2	0.2
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)