

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: P629560

Luminaire Tested: GWS-SA1B-830-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629560  
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-SA1B-830-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

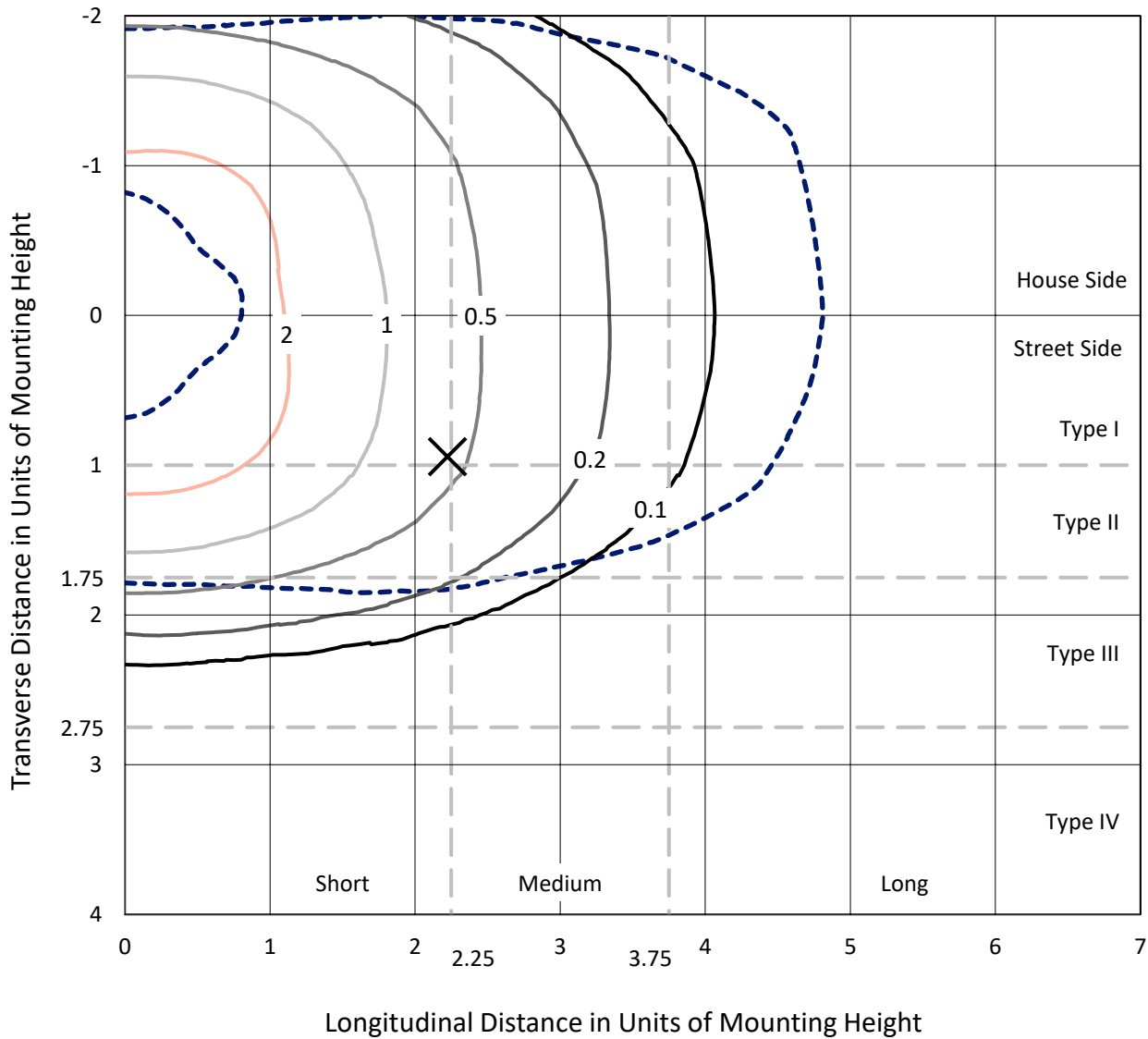
Lumens per Lamp: N/A  
Luminaire Lumens: 2930.9 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

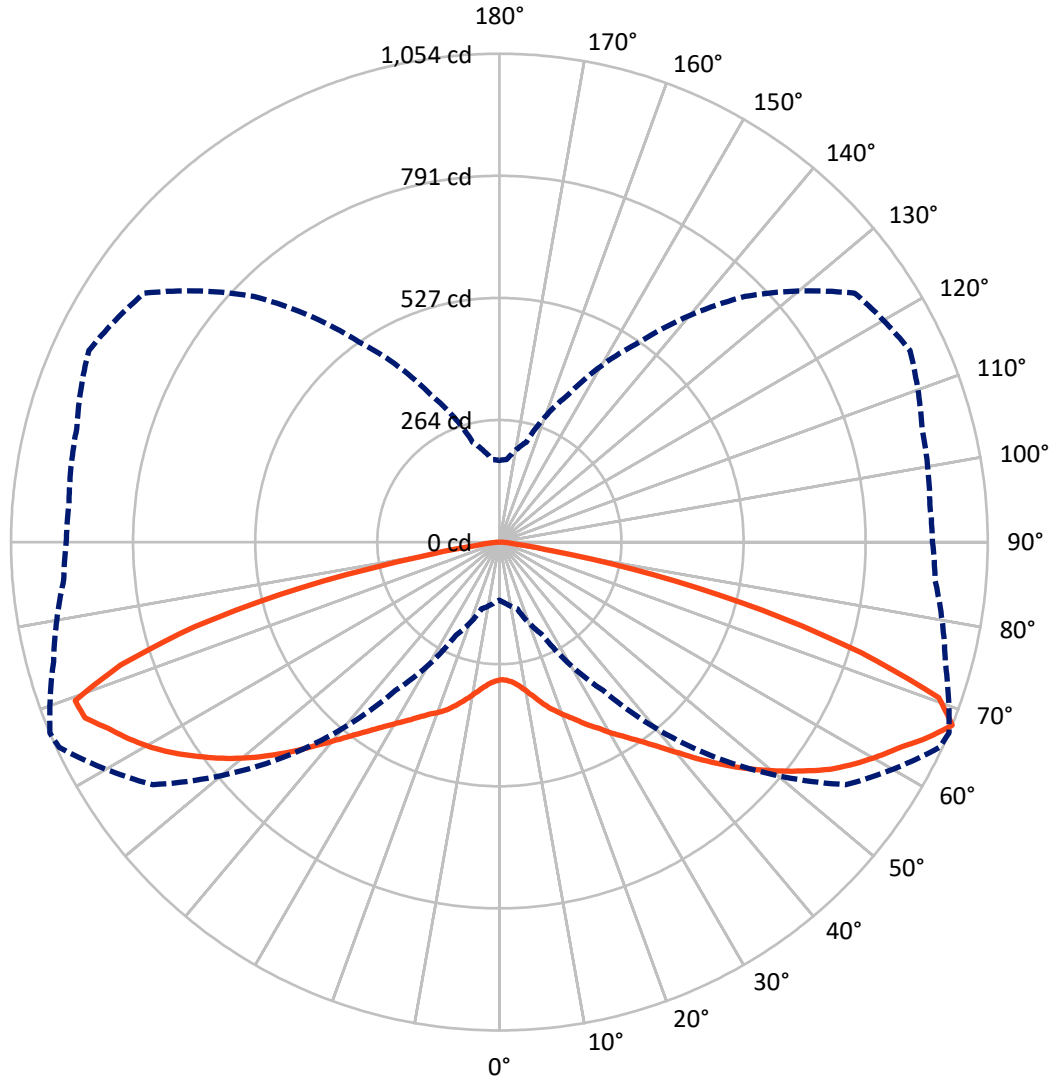
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 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	1449.3	0.0	1449.3
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	1481.6	0.0	1481.6
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	2930.9	0.0	2930.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	1.0
10°-20°	98.4	3.4
20°-30°	193.0	6.6
30°-40°	328.8	11.2
40°-50°	528.0	18.0
50°-60°	717.4	24.5
60°-70°	686.3	23.4
70°-80°	326.3	11.1
80°-90°	23.6	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°	2930.9	100.0
0°-180°	2930.9	100.0

**Coefficient of Utilization**



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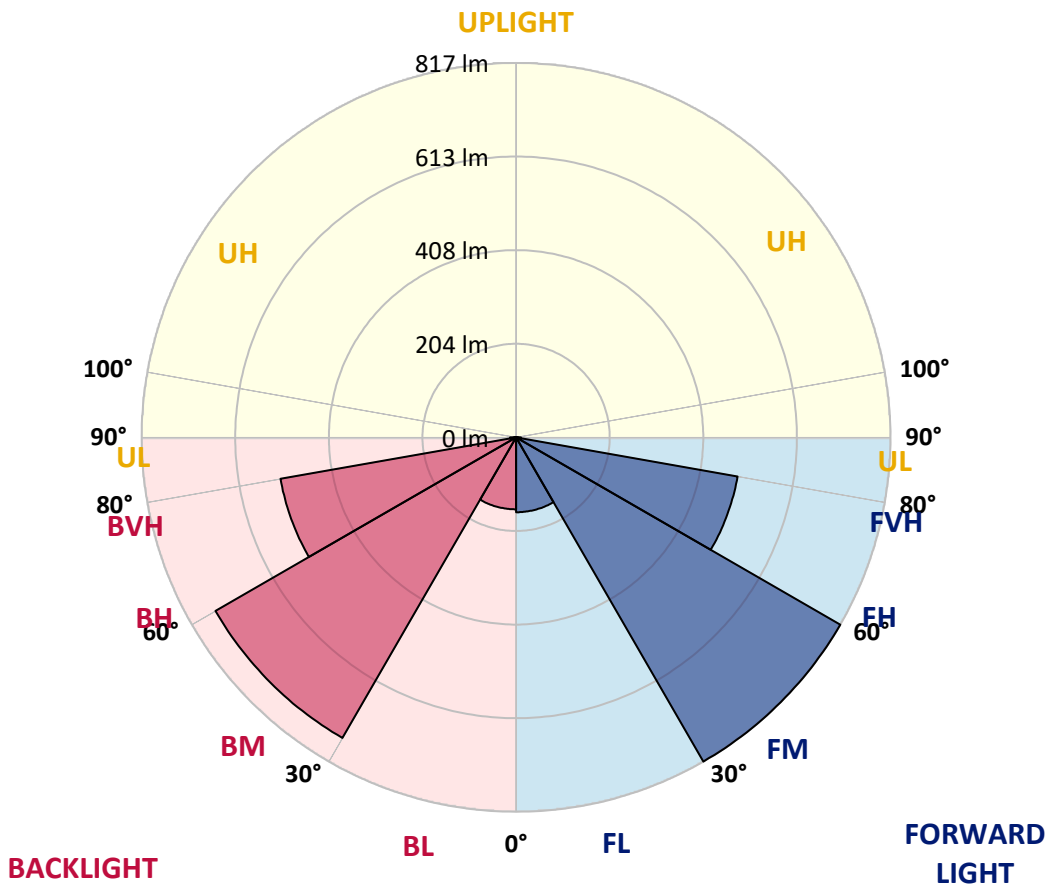
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.4	5.6			
FM (30°-60°)	816.9	27.9			
FH (60°-80°)	490.7	16.7			G0/660
FVH (80°-90°)	10.6	0.4			G1/100
BL (0°-30°)	157.1	5.4	B1/500		
BM (30°-60°)	757.4	25.8	B1/1000		
BH (60°-80°)	521.8	17.8	B2/1000		G2/1000
BVH (80°-90°)	13.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8
2.5°	290.6	291.1	291.7	292.9	294.1	296.0	297.8	297.6	298.4	299.0	299.6
5°	289.0	289.4	290.4	292.1	293.9	297.0	300.9	302.5	303.7	306.0	308.0
7.5°	292.5	293.3	294.7	297.0	299.8	303.7	309.0	311.9	313.7	317.8	321.3
10°	297.2	298.2	301.1	305.3	309.6	315.5	322.3	326.6	327.8	333.1	339.6
12.5°	301.7	302.9	307.6	315.3	323.1	331.1	339.0	344.3	344.7	351.9	359.2
15°	308.8	309.8	316.2	326.2	338.0	349.0	358.8	362.5	364.1	369.2	378.4
17.5°	324.5	325.8	333.9	344.7	357.2	368.8	378.6	381.7	381.7	386.0	393.5
20°	341.5	342.7	353.5	367.4	382.5	394.3	401.9	399.0	398.0	399.2	404.5
22.5°	360.5	362.7	373.1	389.2	407.8	422.3	426.2	417.6	414.7	411.9	413.1
25°	384.7	387.4	397.6	414.7	432.9	448.2	450.5	437.2	435.6	425.6	421.9
27.5°	412.7	414.7	427.4	444.3	461.3	474.1	476.6	460.3	454.7	440.9	432.3
30°	448.8	450.7	461.7	478.4	493.1	502.1	505.2	482.7	478.4	457.2	443.9
32.5°	488.2	489.0	500.3	516.4	529.5	538.0	533.7	507.6	501.3	477.4	459.2
35°	533.3	533.3	547.8	560.9	571.3	573.7	565.6	535.8	528.4	502.5	479.9
37.5°	577.6	578.8	592.3	607.8	617.0	616.6	601.7	569.0	560.7	532.5	507.4
40°	625.6	628.2	641.7	659.1	667.8	666.6	643.7	607.4	598.8	565.6	541.1
42.5°	669.7	674.0	689.7	707.4	717.0	716.2	692.3	651.5	643.1	605.6	581.1
45°	704.8	709.3	728.9	753.6	768.9	767.4	743.4	697.2	687.0	647.6	620.7
47.5°	735.6	740.3	762.1	788.3	812.5	815.0	793.0	743.4	732.5	692.7	662.3
50°	759.3	761.5	786.0	814.6	842.8	856.4	837.2	789.7	776.6	737.2	702.9
52.5°	757.4	760.5	790.7	829.5	867.2	889.7	876.4	833.4	820.7	777.8	744.4
55°	720.1	723.1	759.1	815.6	880.9	914.0	912.6	875.0	865.8	819.3	787.4
57.5°	665.6	672.3	708.0	769.1	863.0	933.4	939.1	913.0	903.4	859.9	830.1
60°	568.0	577.0	618.2	697.4	805.4	926.8	967.5	945.0	939.1	897.7	868.7
62.5°	412.7	419.2	474.1	578.0	720.1	880.3	991.3	978.1	973.6	931.5	903.6
65°	247.2	262.1	306.2	408.8	580.9	792.5	978.3	1021.3	1016.7	966.4	933.4
67.5°	125.1	131.9	149.2	221.7	390.7	655.8	912.8	1048.3	1054.0	996.2	944.0
70°	77.6	79.4	84.3	109.4	195.1	430.9	746.4	978.1	1006.0	991.5	916.4
72.5°	62.3	62.7	63.5	68.2	93.7	201.5	471.9	766.0	816.4	926.0	877.0
75°	51.6	51.8	52.0	53.5	58.4	82.3	229.6	526.4	585.4	787.0	813.2
77.5°	41.4	40.4	41.2	41.8	43.1	45.9	79.2	280.8	340.7	516.6	628.9
80°	26.9	26.5	28.2	28.8	30.0	31.8	42.2	95.3	115.7	188.0	200.0
82.5°	14.5	13.7	17.1	16.5	17.1	18.6	24.9	34.9	39.2	56.7	48.0
85°	4.5	4.5	4.7	5.5	6.7	6.5	10.8	17.1	19.0	24.3	18.0
87.5°	0.8	0.8	0.8	0.8	0.8	1.0	2.2	3.5	4.7	8.4	6.3
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°	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8	296.8
2.5°	300.9	299.0	300.0	300.6	300.4	300.0	298.0	297.6	296.6	294.9	294.5
5°	309.8	307.8	308.0	307.4	305.3	302.7	298.2	296.0	294.1	292.1	291.9
7.5°	323.9	321.7	321.1	318.2	312.5	306.4	299.2	295.1	292.1	289.4	289.0
10°	341.9	339.6	337.6	330.9	321.5	313.3	303.9	298.0	293.5	290.2	289.6
12.5°	361.9	360.0	354.9	345.1	333.9	324.3	314.7	307.4	300.9	296.0	295.3
15°	384.1	380.0	372.3	359.6	349.0	341.3	329.6	319.6	309.2	302.7	301.3
17.5°	399.6	396.2	387.0	374.7	366.4	359.6	346.0	331.7	317.6	308.0	306.0
20°	410.7	407.0	396.6	387.6	384.9	379.2	363.3	346.8	330.4	318.6	316.0
22.5°	418.6	414.7	404.1	399.6	403.3	402.3	386.8	368.0	348.6	334.5	331.3
25°	426.2	422.5	413.1	414.7	424.5	427.6	410.9	389.0	367.0	350.4	346.6
27.5°	433.3	428.6	424.3	433.3	447.2	452.9	435.2	410.5	386.6	369.6	366.6
30°	444.3	438.8	438.2	451.3	473.3	478.2	458.6	433.9	410.3	393.1	389.2
32.5°	458.2	453.1	453.5	473.1	498.6	502.7	486.0	462.9	439.2	422.1	416.8
35°	477.0	470.7	474.1	498.2	523.9	531.5	518.0	498.8	475.8	458.2	452.3
37.5°	502.9	493.7	500.9	526.2	552.1	563.3	552.9	538.6	515.8	498.0	492.5
40°	536.0	528.4	531.3	559.3	586.0	599.5	592.9	578.8	556.2	537.6	531.3
42.5°	575.2	567.6	566.6	596.4	623.1	643.5	637.2	624.4	600.9	579.7	573.5
45°	613.5	606.6	608.0	638.4	668.4	690.7	684.4	669.3	643.7	619.3	614.4
47.5°	653.5	647.8	649.1	681.3	714.4	736.6	728.7	710.3	680.5	654.4	648.4
50°	694.6	688.0	689.9	723.8	759.5	780.5	768.3	741.1	708.2	682.7	677.6
52.5°	735.4	727.6	732.3	764.4	801.3	818.1	795.4	762.5	730.7	705.4	699.7
55°	782.3	774.2	769.1	803.4	839.9	846.8	815.8	777.4	739.7	710.9	707.4
57.5°	825.2	818.3	808.7	843.0	869.9	864.8	831.5	773.4	717.8	680.9	676.0
60°	863.6	857.7	849.3	878.5	890.7	879.3	818.9	725.0	664.0	625.4	623.1
62.5°	898.9	892.6	884.8	909.7	908.1	881.5	761.3	650.7	569.0	527.6	523.9
65°	926.8	921.1	918.9	938.5	935.8	837.7	671.7	529.0	415.8	369.0	367.6
67.5°	934.8	932.6	944.6	977.9	936.4	749.5	526.8	350.9	223.3	179.0	176.3
70°	905.0	904.8	939.3	986.9	851.5	572.5	310.9	158.2	112.3	99.6	98.0
72.5°	866.2	865.6	893.0	851.3	631.5	313.3	130.8	84.7	70.2	66.7	66.7
75°	802.5	800.9	821.5	647.6	355.1	118.0	69.4	58.2	55.1	54.5	54.5
77.5°	654.2	640.5	608.0	400.3	123.9	58.0	45.9	45.7	43.9	43.7	43.7
80°	215.1	215.1	250.0	152.7	54.7	35.7	32.5	34.1	32.2	31.0	30.8
82.5°	35.1	48.4	68.8	43.7	29.6	22.2	20.0	21.2	22.2	17.8	17.8
85°	13.9	18.2	26.5	20.4	13.7	9.0	9.6	10.6	9.4	8.2	8.0
87.5°	5.3	6.5	9.4	4.9	2.9	1.6	1.0	1.0	0.8	0.8	0.8
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)