

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: P629579

Luminaire Tested: GWS-SA1B-830-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2841.9 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B1 - U0 - G1

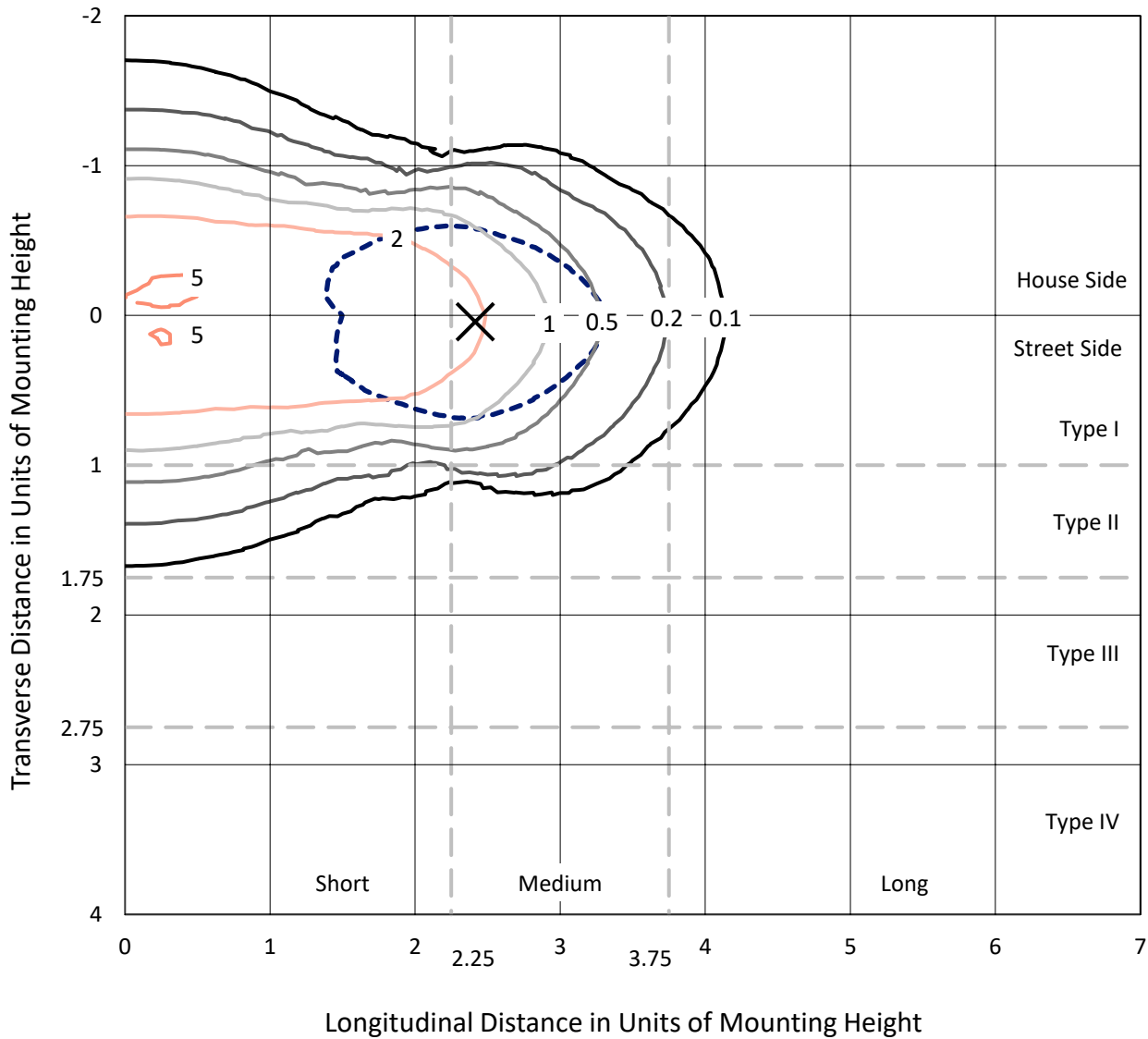
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

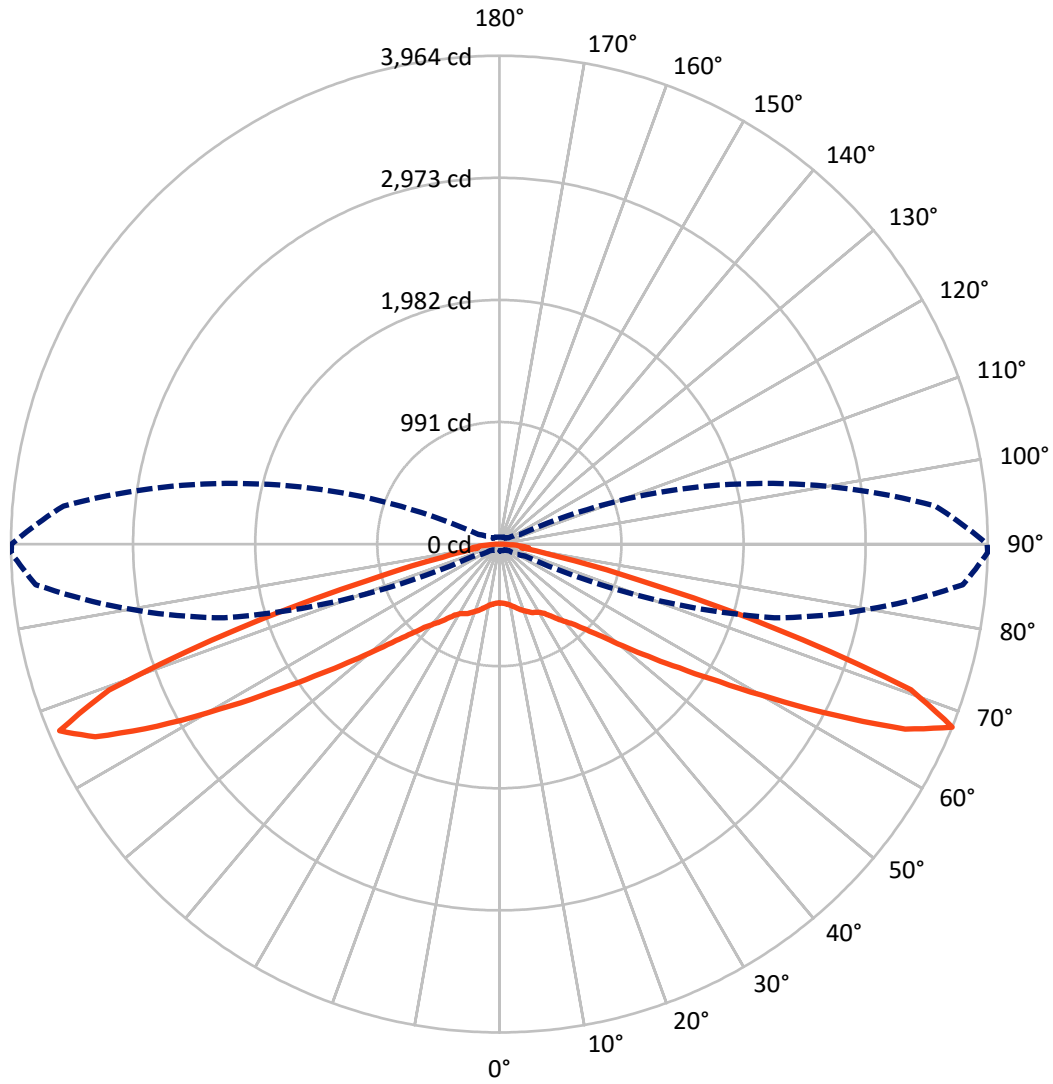
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1408.5	0.0	1408.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1433.4	0.0	1433.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	2841.9	0.0	2841.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.7
10°-20°	155.8	5.5
20°-30°	263.4	9.3
30°-40°	361.4	12.7
40°-50°	460.9	16.2
50°-60°	578.3	20.3
60°-70°	697.4	24.5
70°-80°	252.3	8.9
80°-90°	24.5	0.9
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°	2841.9	100.0
0°-180°	2841.9	100.0

Coefficient of Utilization



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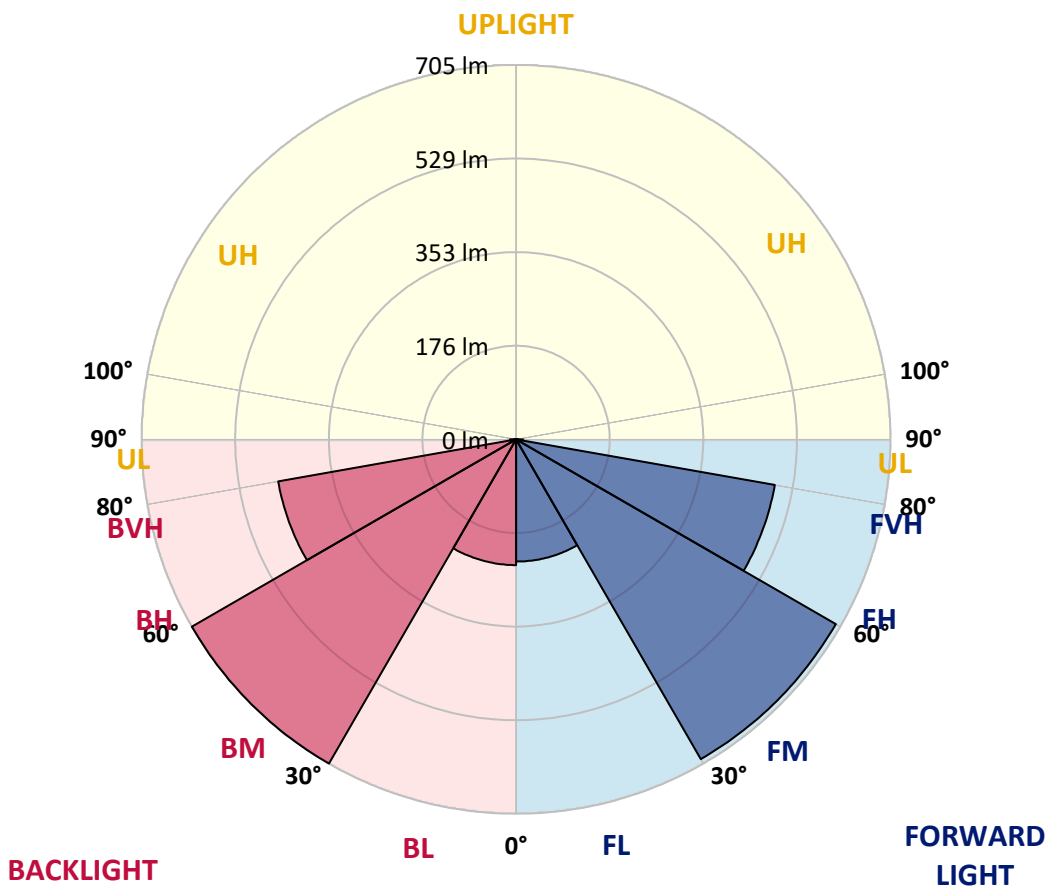
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.2	8.1			
FM (30°-60°)	695.5	24.5			
FH (60°-80°)	494.8	17.4			G0/660
FVH (80°-90°)	12.9	0.5			G1/100
BL (0°-30°)	236.8	8.3	B1/500		
BM (30°-60°)	705.1	24.8	B1/1000		
BH (60°-80°)	454.9	16.0	B1/500		G1/500
BVH (80°-90°)	11.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
2.5°	478.4	478.0	477.0	480.1	479.4	479.6	480.9	480.1	478.6	476.2	479.6
5°	491.9	491.7	489.4	491.3	489.2	487.8	487.6	485.6	483.9	481.3	485.0
7.5°	505.0	504.7	502.9	506.2	504.5	502.9	501.1	497.0	493.1	489.2	493.3
10°	515.0	514.7	514.3	519.0	519.4	520.1	519.2	512.3	505.6	500.9	505.0
12.5°	520.7	521.3	522.3	530.9	535.2	539.2	540.3	534.5	523.3	516.6	521.5
15°	516.8	518.0	523.1	538.6	550.5	559.7	563.5	558.8	544.3	533.1	538.6
17.5°	498.2	499.2	509.2	532.9	559.0	580.3	586.6	583.7	567.6	553.9	559.2
20°	472.5	474.7	485.6	518.6	557.6	594.6	611.5	610.5	592.9	571.9	578.2
22.5°	449.2	451.9	463.3	499.8	548.0	598.2	636.6	639.3	616.0	589.9	595.0
25°	423.1	425.6	440.3	477.6	531.5	595.4	658.0	670.1	642.1	610.5	615.2
27.5°	396.4	398.2	412.7	452.5	509.9	590.1	675.0	704.0	667.8	624.8	628.0
30°	372.9	375.3	388.6	427.4	486.2	579.5	688.8	740.1	697.4	640.9	643.5
32.5°	350.2	352.3	366.8	402.7	461.1	563.1	701.3	782.5	741.3	670.9	670.9
35°	321.7	325.3	341.7	379.0	437.4	541.5	710.3	831.9	801.3	715.2	715.4
37.5°	295.3	297.4	314.5	352.3	412.5	517.0	711.1	883.2	877.2	771.5	771.9
40°	265.3	268.0	286.4	323.7	383.9	491.3	703.3	930.9	956.8	829.5	827.2
42.5°	234.9	238.8	256.4	292.9	353.1	459.8	682.7	976.4	1057.9	896.6	891.1
45°	205.5	208.0	225.5	260.0	317.8	422.3	649.7	1020.1	1177.9	998.7	990.7
47.5°	172.5	173.5	191.7	224.7	281.3	380.4	602.3	1059.1	1309.7	1133.8	1120.1
50°	143.1	144.5	158.8	187.2	236.6	330.9	543.3	1082.0	1477.7	1318.1	1294.4
52.5°	115.7	117.2	128.6	151.2	195.5	274.3	470.3	1076.6	1648.1	1546.9	1512.4
55°	93.5	94.5	102.3	120.0	153.9	218.2	383.9	1029.1	1837.3	1845.7	1771.4
57.5°	79.0	79.4	84.7	95.5	120.2	168.2	296.4	916.8	2035.7	2227.0	2104.9
60°	70.6	70.8	73.3	80.0	94.9	128.4	217.2	738.0	2241.3	2704.0	2536.6
62.5°	65.3	65.3	67.4	71.2	78.8	98.8	159.6	530.1	2388.8	3223.0	3056.7
65°	60.2	60.2	61.6	64.9	69.0	80.6	119.8	341.9	2461.3	3656.9	3620.0
67.5°	53.7	53.9	54.9	58.4	62.0	67.4	90.8	231.2	2310.9	3776.9	3963.9
70°	47.6	47.8	49.2	51.4	54.5	58.2	71.0	159.4	1682.0	3145.6	3544.3
72.5°	40.8	41.6	42.7	45.1	46.9	49.6	58.0	103.3	978.7	2023.5	2342.9
75°	33.5	34.5	35.7	38.2	39.4	40.4	47.8	73.7	470.9	1025.4	1167.7
77.5°	25.9	26.9	28.4	30.6	31.4	32.7	36.5	53.3	225.5	454.5	490.1
80°	17.3	17.8	19.0	21.6	23.1	23.9	26.9	36.3	98.0	182.5	180.8
82.5°	10.6	10.8	11.2	12.9	13.5	14.3	17.6	22.2	46.7	207.4	237.8
85°	3.9	3.7	3.5	4.5	5.3	6.1	8.2	11.2	20.4	142.5	159.4
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.6	4.9	53.3	36.5
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°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
2.5°	478.6	476.4	479.2	481.3	485.8	487.4	487.8	486.4	486.4	483.9	484.3
5°	484.1	482.7	487.4	490.9	497.4	499.8	501.5	500.5	501.1	499.4	499.8
7.5°	492.5	491.3	499.4	506.2	512.9	515.8	517.2	516.4	516.6	514.5	515.2
10°	504.1	504.5	514.3	523.1	532.1	535.0	535.6	533.1	531.1	527.4	527.6
12.5°	520.1	522.1	536.0	545.8	555.0	559.0	554.5	545.6	537.2	530.9	530.1
15°	537.4	541.1	561.1	573.5	583.5	581.5	568.2	548.0	531.5	522.1	520.3
17.5°	558.2	563.7	588.8	603.7	612.3	599.2	571.5	541.3	518.2	505.6	503.1
20°	577.8	586.6	618.2	637.6	638.6	609.2	570.1	527.6	498.6	483.1	479.8
22.5°	595.8	607.0	649.0	673.7	660.5	613.7	561.3	508.2	474.9	456.8	453.9
25°	615.4	631.3	685.0	708.0	682.3	611.9	542.9	484.1	446.4	427.8	425.8
27.5°	628.8	648.8	721.1	743.1	700.3	601.5	519.2	457.8	420.2	402.7	399.8
30°	644.4	669.9	760.9	781.3	711.3	586.2	493.9	433.3	396.0	377.0	374.9
32.5°	672.5	704.6	810.3	821.7	714.8	567.2	469.6	409.6	370.7	351.7	348.8
35°	717.8	755.4	879.7	866.8	712.1	546.4	446.6	381.9	344.7	327.0	324.1
37.5°	775.0	821.7	957.0	907.4	704.8	523.5	419.2	358.6	321.5	303.5	301.9
40°	828.3	885.8	1043.8	942.6	689.9	495.4	392.9	334.3	296.4	277.4	273.7
42.5°	895.0	971.5	1144.2	973.0	665.4	461.7	363.3	304.3	264.9	247.8	243.3
45°	996.4	1091.5	1261.0	1002.1	628.8	420.2	326.2	267.8	230.4	212.9	209.4
47.5°	1123.0	1241.6	1387.5	1019.5	573.3	376.6	284.1	229.2	191.9	172.1	170.4
50°	1300.8	1459.7	1523.2	1016.4	511.3	324.7	236.8	183.3	152.1	137.8	135.5
52.5°	1517.3	1733.7	1670.0	979.7	445.4	265.7	184.5	143.9	120.6	110.4	108.6
55°	1789.0	2061.7	1824.5	900.9	362.1	203.5	144.9	113.5	97.6	91.4	90.6
57.5°	2125.3	2486.4	1973.3	768.2	272.3	155.3	111.6	93.7	86.1	82.5	82.3
60°	2569.3	2937.3	2102.5	597.0	194.9	118.8	92.3	83.7	77.8	75.3	75.1
62.5°	3097.1	3346.7	2182.9	406.6	146.5	94.7	81.2	75.9	72.5	71.0	70.8
65°	3639.6	3605.5	2144.5	266.4	111.2	80.4	72.9	70.0	66.9	65.5	65.5
67.5°	3960.0	3550.8	1850.0	184.9	88.2	70.6	65.7	63.1	58.0	56.7	56.7
70°	3507.5	2877.2	1212.6	135.3	71.4	61.8	57.1	53.5	51.4	50.2	50.0
72.5°	2319.8	1872.2	644.8	93.9	59.6	52.7	48.4	46.9	44.5	43.3	43.1
75°	1154.6	983.4	330.4	67.8	49.6	42.2	40.4	39.8	37.8	36.1	35.7
77.5°	481.3	437.8	154.1	49.2	37.8	34.1	32.5	32.5	30.2	28.4	27.6
80°	181.4	161.7	72.9	33.7	28.0	25.3	24.3	23.5	21.6	19.4	18.2
82.5°	242.7	158.6	35.7	21.0	18.4	16.3	14.9	14.3	13.3	12.2	11.4
85°	157.2	112.7	16.1	10.8	9.2	6.9	6.1	5.7	5.1	4.5	4.1
87.5°	32.0	37.8	4.9	2.0	1.2	0.6	0.6	0.2	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)