

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P253628

Luminaire Tested: **JW-WL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: JW-WL-30L93050-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2562.4 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

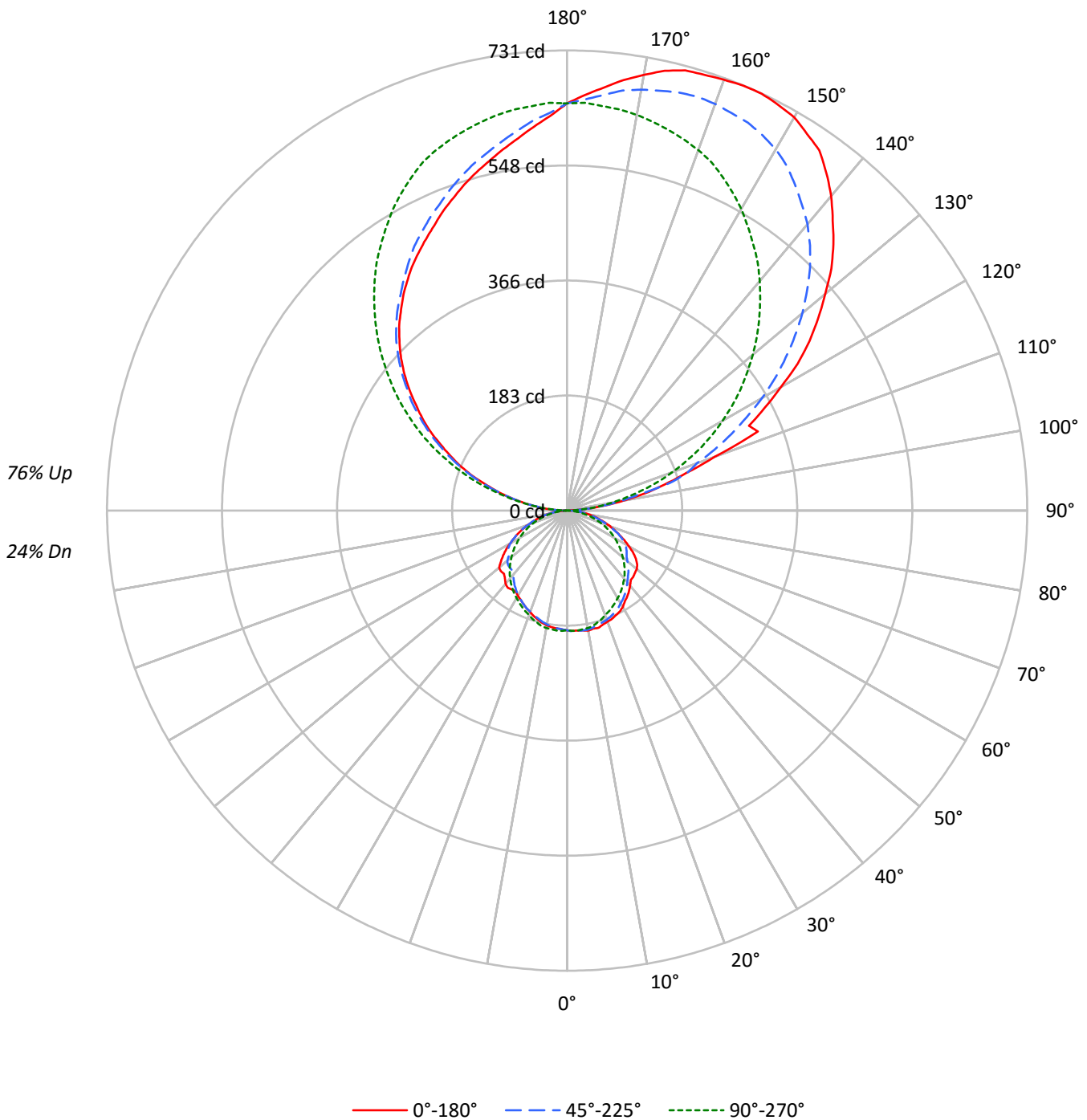
Input Watts (W): 28.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22	16
3	76	66	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18	13
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13	10
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12	8
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10	7
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9	6
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7	5

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	3073	3073	3073
5°	3099	3099	3044
10°	3176	3107	3036
15°	3224	3082	2997
20°	3227	3036	2948
25°	3269	3013	2922
30°	3294	2994	2916
35°	3282	2982	3016
40°	3277	2974	3206
45°	3395	2950	3240
50°	3630	2904	3544
55°	3755	2871	3493
60°	3649	2826	3374
65°	3507	2758	3278
70°	3408	2648	3130
75°	3288	2489	3019
80°	3236	2287	2845
85°	3927	1890	2834



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	0.7
10°-20°	52.0	2.0
20°-30°	79.1	3.1
30°-40°	96.6	3.8
40°-50°	104.9	4.1
50°-60°	102.3	4.0
60°-70°	82.3	3.2
70°-80°	50.5	2.0
80°-90°	17.8	0.7
90°-100°	36.7	1.4
100°-110°	140.4	5.5
110°-120°	247.4	9.7
120°-130°	322.3	12.6
130°-140°	356.0	13.9
140°-150°	340.0	13.3
150°-160°	276.1	10.8
160°-170°	178.5	7.0
170°-180°	61.5	2.4
0°-30°	149.3	5.8
0°-40°	245.8	9.6
0°-60°	452.9	17.7
0°-90°	603.6	23.6
90°-120°	424.5	16.6
90°-150°	1442.8	56.3
90°-180°	1959.0	76.5
0°-180°	2562.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	190	190	190	190	190	
5°	191	192	191	188	188	18
15°	193	189	184	178	179	54
25°	184	178	169	164	164	85
35°	166	161	151	145	153	104
45°	149	138	129	128	142	115
55°	133	116	102	112	124	118
65°	92	91	72	86	86	91
75°	53	51	40	48	48	56
85°	21	19	10	15	15	20
90°	4	3	1	3	2	4
95°	29	31	28	31	33	37
105°	160	168	122	112	112	173
115°	319	288	232	209	204	327
125°	470	424	336	302	293	418
135°	598	546	432	384	376	461
145°	698	631	516	451	444	434
155°	731	680	585	514	500	337
165°	724	687	625	571	557	204
175°	675	663	645	622	612	65
180°	647	647	647	647	647	



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CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3
2.5°	191.2	192.0	192.0	191.2	191.2	191.2	188.6	189.5	188.6
5°	191.2	193.7	192.0	192.0	191.2	189.5	187.8	188.6	187.8
7.5°	192.0	193.7	192.0	191.2	190.3	187.8	186.1	186.1	186.9
10°	193.7	193.7	192.0	191.2	189.5	186.1	183.5	183.5	185.2
12.5°	192.0	193.7	190.3	189.5	187.8	184.4	181.0	181.0	182.7
15°	192.9	192.0	188.6	186.9	184.4	181.8	177.6	177.6	179.3
17.5°	189.5	191.2	186.1	184.4	181.0	178.4	174.2	174.2	175.9
20°	187.8	189.5	184.4	181.0	176.7	175.0	170.8	171.6	171.6
22.5°	186.1	186.9	181.8	177.6	173.3	170.8	168.2	168.2	168.2
25°	183.5	183.5	178.4	173.3	169.1	165.7	164.0	164.0	164.0
27.5°	181.0	180.1	175.0	169.9	164.9	161.5	159.8	159.8	159.8
30°	176.7	175.0	169.9	164.9	160.6	157.2	155.5	154.7	156.4
32.5°	170.8	169.9	165.7	160.6	156.4	152.1	150.4	150.4	152.1
35°	166.5	164.9	160.6	155.5	151.3	147.0	145.3	146.2	153.0
37.5°	161.5	159.8	154.7	152.1	146.2	141.9	139.4	147.0	154.7
40°	155.5	154.7	148.7	146.2	141.1	137.7	133.4	147.9	152.1
42.5°	149.6	148.7	142.8	140.2	135.1	131.7	129.2	145.3	146.2
45°	148.7	143.6	137.7	133.4	129.2	125.8	128.3	139.4	141.9
47.5°	146.2	141.1	131.7	126.6	122.4	119.0	127.5	135.1	142.8
50°	144.5	138.5	124.9	120.7	115.6	112.2	124.1	136.0	141.1
52.5°	140.2	136.0	119.0	113.0	108.8	105.4	116.4	132.6	132.6
55°	133.4	130.9	115.6	105.4	102.0	98.6	112.2	123.2	124.1
57.5°	124.1	123.2	111.3	97.7	94.3	91.8	110.5	114.7	114.7
60°	113.0	113.9	106.2	90.1	87.5	85.8	104.5	104.5	104.5
62.5°	102.8	102.8	99.4	83.3	79.9	80.7	95.2	95.2	95.2
65°	91.8	91.8	90.9	75.6	72.2	76.5	85.8	85.8	85.8
67.5°	81.6	81.6	80.7	67.1	64.6	68.8	76.5	75.6	75.6
70°	72.2	72.2	70.5	61.2	56.1	62.0	66.3	67.1	66.3
72.5°	62.9	62.0	60.3	55.2	47.6	56.9	56.9	56.9	56.1
75°	52.7	52.7	51.0	47.6	39.9	47.6	47.6	47.6	48.4
77.5°	44.2	43.3	41.6	38.2	31.4	37.4	38.2	38.2	38.2
80°	34.8	34.8	33.1	28.9	24.6	28.9	28.9	29.7	30.6
82.5°	27.2	27.2	25.5	22.1	17.0	20.4	21.2	22.1	22.1
85°	21.2	21.2	18.7	15.3	10.2	13.6	15.3	16.1	15.3
87.5°	15.3	15.3	13.6	10.2	5.9	8.5	8.5	9.3	8.5
90°	4.2	4.2	3.4	2.5	0.8	2.5	3.4	2.5	1.7
92.5°	7.6	8.5	10.2	11.9	10.2	13.6	17.0	17.8	17.8
95°	28.9	28.9	30.6	29.7	28.0	29.7	30.6	34.0	33.1
97.5°	58.6	57.8	56.1	51.8	49.3	47.6	48.4	50.1	50.1
100°	90.9	89.2	84.1	84.1	71.4	68.0	68.8	68.8	68.8
102.5°	126.6	123.2	114.7	107.1	96.0	92.6	90.1	89.2	89.2
105°	159.8	158.1	168.2	134.3	122.4	116.4	112.2	111.3	112.2
107.5°	198.8	195.4	200.5	165.7	150.4	141.1	136.8	134.3	133.4
110°	249.0	282.1	219.2	198.0	177.6	166.5	161.5	158.9	158.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	328.0	287.2	253.2	229.4	203.9	192.9	185.2	182.7	181.8
115°	318.7	309.3	288.1	261.7	232.0	218.4	209.0	206.5	203.9
117.5°	354.3	346.7	321.2	293.2	259.2	243.9	232.0	229.4	226.0
120°	391.7	383.2	357.7	322.1	284.7	266.0	255.8	253.2	250.7
122.5°	434.2	419.8	391.7	353.5	311.0	288.9	277.9	274.5	272.8
125°	469.9	454.6	424.0	379.8	336.5	311.0	301.7	296.6	293.2
127.5°	503.0	491.2	456.3	408.7	360.3	333.1	321.2	317.0	316.1
130°	535.3	524.3	487.8	437.6	384.9	353.5	344.1	338.2	337.3
132.5°	569.3	553.2	516.6	463.1	408.7	375.6	363.7	358.6	357.7
135°	598.2	584.6	545.5	486.9	431.7	396.0	384.1	378.1	376.4
137.5°	624.6	613.5	571.0	511.5	453.8	418.1	401.9	396.8	395.1
140°	652.6	637.3	594.0	533.6	475.9	440.2	418.9	415.5	411.3
142.5°	676.4	661.1	612.7	556.6	497.1	458.0	434.2	433.4	428.3
145°	698.5	679.8	631.4	577.0	515.8	475.9	451.2	447.8	443.6
147.5°	709.5	695.9	649.2	593.1	534.5	493.7	468.2	464.0	458.9
150°	721.4	706.1	662.8	609.3	553.2	509.8	485.2	477.6	472.5
152.5°	726.5	712.9	672.1	622.9	569.3	526.0	499.6	489.5	486.1
155°	730.8	717.2	679.8	633.9	584.6	541.3	514.1	502.2	499.6
157.5°	730.8	718.9	683.2	642.4	599.1	557.4	527.7	516.6	514.9
160°	728.2	718.9	687.4	648.4	609.3	571.9	543.0	531.1	528.5
162.5°	725.7	718.0	689.1	655.2	617.8	584.6	557.4	546.4	543.0
165°	724.0	716.3	687.4	660.2	625.4	596.5	571.0	560.8	556.6
167.5°	715.5	708.7	683.2	663.6	632.2	608.4	582.9	577.0	569.3
170°	702.7	697.6	678.9	665.3	638.2	616.9	595.7	588.9	582.9
172.5°	690.0	686.6	673.0	664.5	642.4	626.3	608.4	605.9	596.5
175°	674.7	674.7	662.8	659.4	645.0	633.1	622.0	619.5	611.8
177.5°	661.1	662.8	653.5	653.5	648.4	640.7	632.2	634.8	627.1
180°	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7

(END OF REPORT)