

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: P275091

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2933.5 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

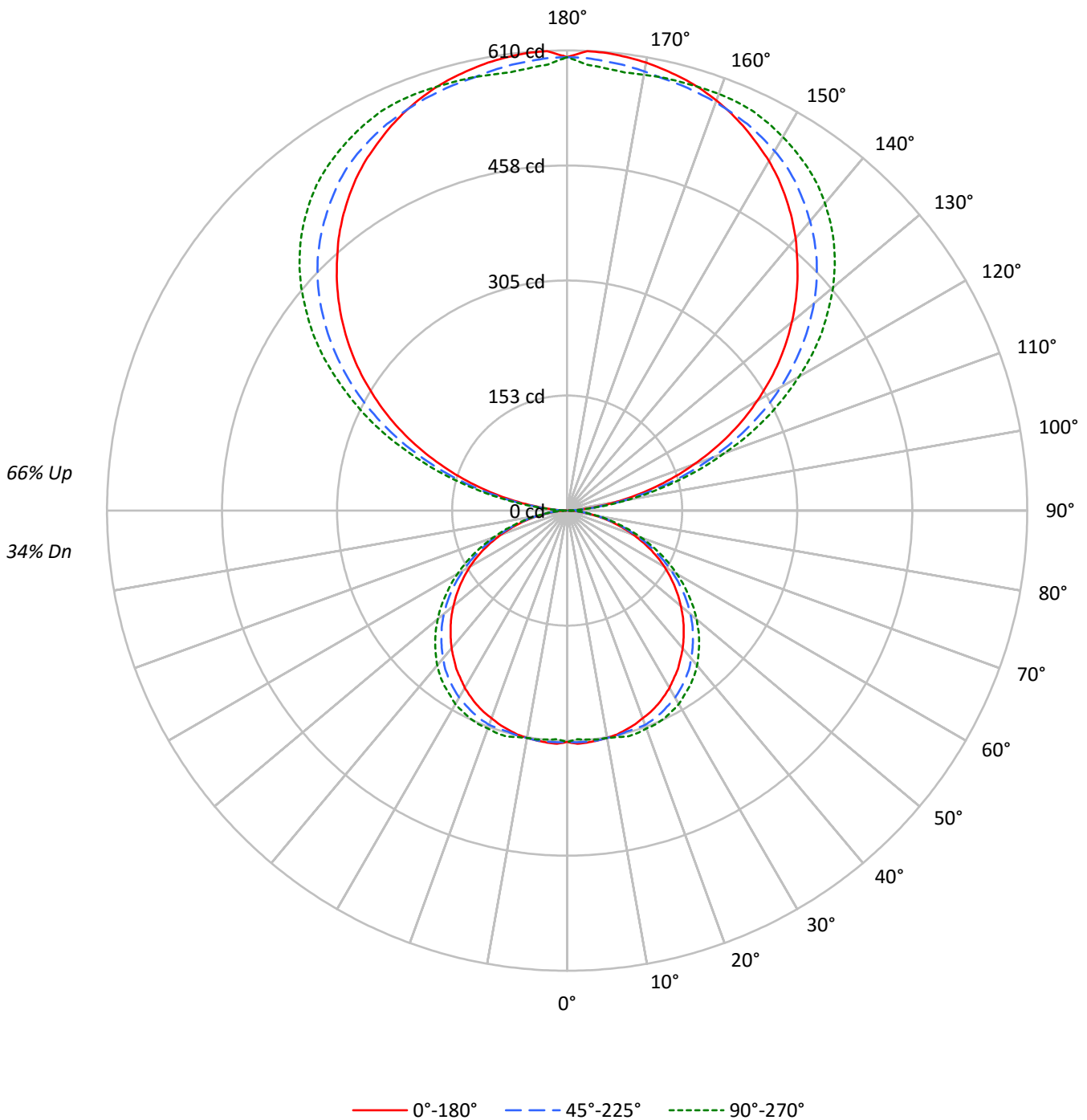
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

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

	0°	45°	90°
0°	2476	2476	2476
5°	2502	2491	2469
10°	2508	2508	2508
15°	2514	2536	2592
20°	2516	2596	2641
25°	2528	2633	2709
30°	2529	2670	2762
35°	2523	2691	2797
40°	2512	2698	2823
45°	2496	2691	2826
50°	2472	2679	2811
55°	2445	2642	2770
60°	2401	2572	2711
65°	2327	2476	2617
70°	2190	2332	2455
75°	2012	2137	2240
80°	1748	1869	1934
85°	1399	1454	1528



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	1.0
10°-20°	86.1	2.9
20°-30°	135.5	4.6
30°-40°	169.4	5.8
40°-50°	180.5	6.2
50°-60°	166.5	5.7
60°-70°	127.9	4.4
70°-80°	72.5	2.5
80°-90°	19.1	0.7
90°-100°	30.8	1.0
100°-110°	144.7	4.9
110°-120°	262.3	8.9
120°-130°	336.9	11.5
130°-140°	358.4	12.2
140°-150°	329.8	11.2
150°-160°	261.2	8.9
160°-170°	165.8	5.7
170°-180°	56.9	1.9
0°-30°	250.9	8.6
0°-40°	420.2	14.3
0°-60°	767.2	26.2
0°-90°	986.6	33.6
90°-120°	437.8	14.9
90°-150°	1463.0	49.9
90°-180°	1947.0	66.4
0°-180°	2933.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	309	306	307	307	305	29
15°	301	300	303	309	310	85
25°	284	284	296	302	304	131
35°	256	261	273	280	284	160
45°	219	224	236	243	248	169
55°	174	179	188	194	197	155
65°	122	124	130	134	137	120
75°	64	66	68	71	72	69
85°	15	16	16	16	16	17
90°	1	1	1	0	0	2
95°	20	21	23	24	26	26
105°	121	126	138	147	151	128
115°	237	247	268	284	292	234
125°	342	353	380	401	412	305
135°	432	438	468	488	500	333
145°	506	504	529	546	556	316
155°	559	551	565	577	584	258
165°	593	584	584	586	588	168
175°	609	602	598	593	588	58
180°	601	601	601	601	601	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	306.7	306.7	306.7	306.7	306.7
2.5°	309.4	306.7	307.4	307.4	303.4
5°	308.7	306.0	307.4	306.7	304.7
7.5°	307.4	305.4	307.4	307.4	306.0
10°	306.0	304.1	306.0	306.7	306.0
12.5°	304.1	302.2	305.4	306.7	307.4
15°	300.8	299.5	303.4	308.7	310.1
17.5°	297.6	296.9	302.9	308.7	309.4
20°	292.9	292.9	302.2	306.7	307.4
22.5°	289.0	289.0	299.5	304.1	306.7
25°	283.8	284.4	295.6	301.6	304.1
27.5°	277.8	279.8	290.9	297.6	300.2
30°	271.3	274.5	286.4	292.9	296.3
32.5°	263.4	267.9	279.8	286.4	289.6
35°	256.0	260.7	273.1	279.8	283.8
37.5°	246.9	252.8	265.3	271.8	276.5
40°	238.4	244.3	256.0	263.4	267.9
42.5°	228.4	235.0	246.2	253.5	258.0
45°	218.6	224.4	235.7	242.9	247.5
47.5°	208.0	214.0	225.2	231.8	236.2
50°	196.8	203.4	213.3	219.9	223.8
52.5°	185.6	191.5	200.8	207.4	211.3
55°	173.7	179.0	187.7	193.6	196.8
57.5°	161.2	166.5	173.7	179.7	183.0
60°	148.7	152.7	159.3	165.2	167.9
62.5°	135.6	139.0	144.8	149.5	152.7
65°	121.8	124.4	129.6	134.3	137.0
67.5°	107.4	109.9	114.5	118.5	120.5
70°	92.8	95.4	98.8	102.0	104.0
72.5°	78.9	80.3	83.6	86.3	87.6
75°	64.5	65.8	68.5	71.1	71.8
77.5°	51.4	52.0	54.1	55.4	56.0
80°	37.6	38.9	40.2	40.7	41.6
82.5°	25.6	26.3	26.9	27.6	28.2
85°	15.1	15.7	15.7	16.5	16.5
87.5°	6.6	7.3	7.3	7.3	7.3
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.6	6.6	7.3	7.8	8.5
95°	20.4	21.1	23.1	24.4	25.6
97.5°	40.7	42.1	46.0	49.4	50.7
100°	65.8	68.5	74.5	78.9	81.0
102.5°	92.8	96.7	105.4	111.9	115.2
105°	121.2	126.4	138.3	146.8	150.8
107.5°	150.1	156.8	171.9	181.7	187.0
110°	179.0	187.7	204.1	217.2	221.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	208.0	217.2	236.9	251.5	258.7
115°	236.9	246.9	267.9	284.4	292.3
117.5°	264.7	275.1	298.2	316.7	323.8
120°	290.9	302.2	327.2	346.3	354.8
122.5°	317.3	327.9	354.1	374.5	385.2
125°	342.3	352.8	379.9	400.8	412.1
127.5°	366.1	375.8	404.2	425.9	436.4
130°	389.0	398.3	427.2	448.4	460.2
132.5°	410.8	419.3	448.4	468.7	481.3
135°	431.9	438.4	468.0	488.4	500.4
137.5°	451.5	456.2	485.3	505.6	516.9
140°	471.3	472.7	500.9	520.0	531.8
142.5°	489.1	488.4	515.5	533.8	545.1
145°	505.6	503.6	529.3	545.7	555.6
147.5°	521.3	516.9	541.1	555.0	564.2
150°	535.1	529.3	550.3	564.2	572.0
152.5°	547.0	540.4	558.2	570.7	578.6
155°	558.9	551.0	565.4	577.3	583.9
157.5°	569.4	559.5	570.7	581.3	586.6
160°	578.6	568.8	576.0	583.9	587.9
162.5°	586.6	576.7	580.0	584.5	587.9
165°	593.2	583.9	583.9	585.8	587.9
167.5°	598.3	590.5	586.6	587.2	587.9
170°	603.0	595.1	591.1	587.2	586.6
172.5°	606.3	598.3	595.1	589.8	585.8
175°	608.9	601.7	597.6	593.2	588.5
177.5°	609.6	603.6	600.3	595.8	591.8
180°	601.0	601.0	601.0	601.0	601.0

(END OF REPORT)