

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: P275094

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275094  
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 (6500K)  
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 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3017.2 lumens  
Efficiency: N/A  
Efficacy: 139.7 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

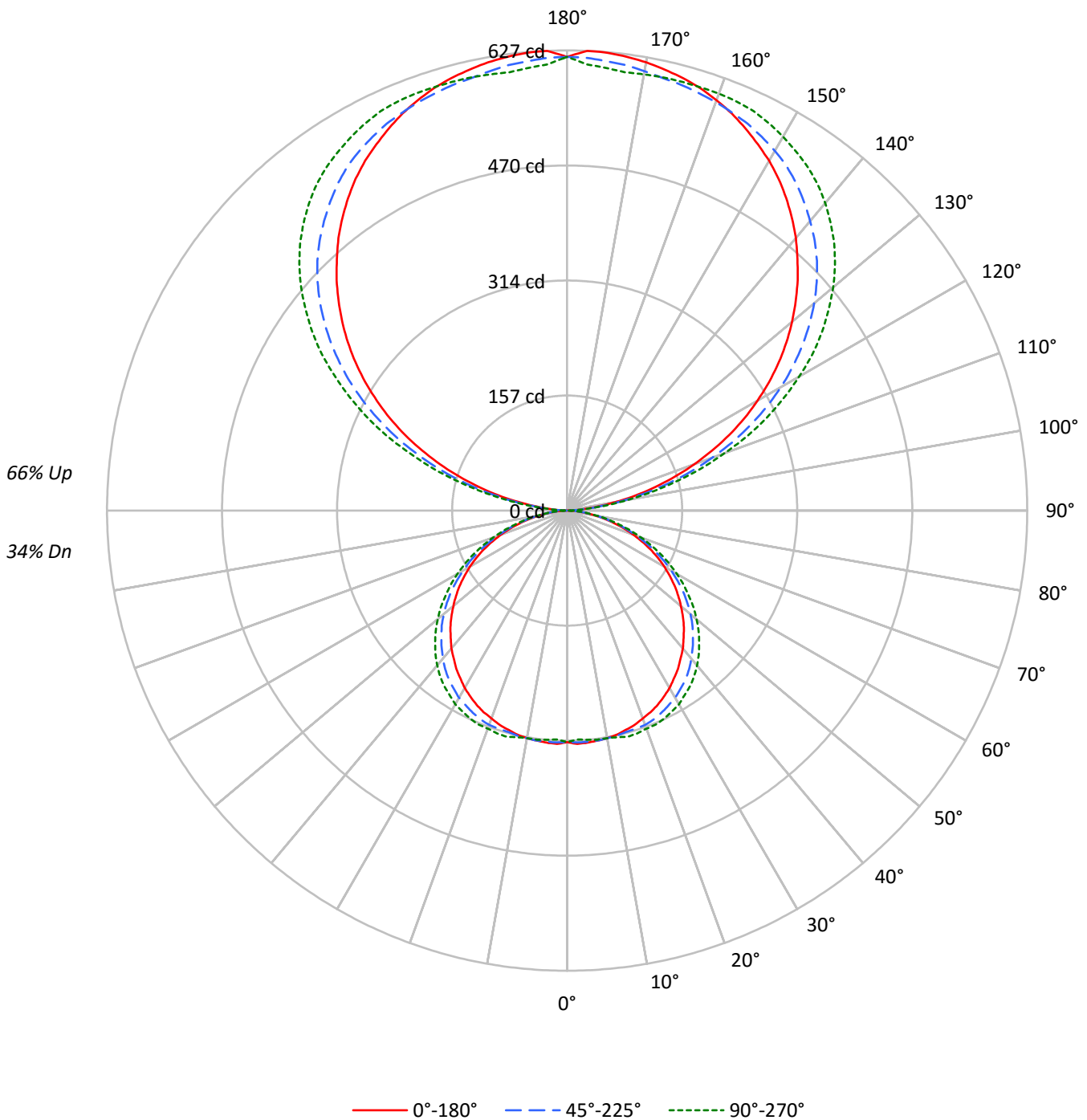
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2547	2547	2547
5°	2573	2562	2540
10°	2581	2581	2581
15°	2585	2608	2666
20°	2588	2670	2716
25°	2600	2708	2786
30°	2601	2745	2841
35°	2595	2768	2877
40°	2584	2775	2903
45°	2567	2767	2906
50°	2542	2756	2891
55°	2515	2716	2849
60°	2469	2646	2788
65°	2392	2546	2692
70°	2254	2398	2523
75°	2068	2196	2302
80°	1799	1920	1985
85°	1436	1491	1575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.1	1.0
10°-20°	88.5	2.9
20°-30°	139.4	4.6
30°-40°	174.2	5.8
40°-50°	185.7	6.2
50°-60°	171.2	5.7
60°-70°	131.5	4.4
70°-80°	74.5	2.5
80°-90°	19.6	0.7
90°-100°	31.6	1.0
100°-110°	148.9	4.9
110°-120°	269.8	8.9
120°-130°	346.6	11.5
130°-140°	368.7	12.2
140°-150°	339.2	11.2
150°-160°	268.6	8.9
160°-170°	170.5	5.7
170°-180°	58.5	1.9
0°-30°	258.0	8.6
0°-40°	432.2	14.3
0°-60°	789.1	26.2
0°-90°	1014.8	33.6
90°-120°	450.3	14.9
90°-150°	1504.8	49.9
90°-180°	2002.0	66.4
0°-180°	3017.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	316	316	316	316	316	
5°	318	315	316	316	313	30
15°	309	308	312	318	319	87
25°	292	292	304	310	313	135
35°	263	268	281	288	292	165
45°	225	231	242	250	254	173
55°	179	184	193	199	202	160
65°	125	128	133	138	141	124
75°	66	68	70	73	74	71
85°	16	16	16	17	17	18
90°	1	1	1	0	0	2
95°	21	22	24	25	26	27
105°	125	130	142	151	155	132
115°	244	254	276	292	301	240
125°	352	363	391	412	424	314
135°	444	451	481	502	515	342
145°	520	518	544	561	572	325
155°	575	567	582	594	601	265
165°	610	601	601	602	605	172
175°	626	619	615	610	605	60
180°	618	618	618	618	618	



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CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	315.5	315.5	315.5	315.5	315.5
2.5°	318.2	315.5	316.2	316.2	312.1
5°	317.5	314.8	316.2	315.5	313.4
7.5°	316.2	314.2	316.2	316.2	314.8
10°	314.8	312.8	314.8	315.5	314.8
12.5°	312.8	310.8	314.2	315.5	316.2
15°	309.3	308.0	312.1	317.5	319.0
17.5°	306.1	305.4	311.5	317.5	318.2
20°	301.3	301.3	310.8	315.5	316.2
22.5°	297.3	297.3	308.0	312.8	315.5
25°	291.9	292.5	304.0	310.2	312.8
27.5°	285.7	287.8	299.2	306.1	308.7
30°	279.0	282.4	294.5	301.3	304.8
32.5°	270.9	275.5	287.8	294.5	297.9
35°	263.3	268.2	280.9	287.8	291.9
37.5°	253.9	260.0	272.9	279.6	284.4
40°	245.2	251.3	263.3	270.9	275.5
42.5°	234.9	241.7	253.2	260.7	265.4
45°	224.8	230.8	242.4	249.9	254.5
47.5°	214.0	220.1	231.7	238.4	243.0
50°	202.4	209.2	219.4	226.1	230.2
52.5°	190.9	197.0	206.5	213.4	217.3
55°	178.7	184.1	193.0	199.2	202.4
57.5°	165.8	171.2	178.7	184.8	188.2
60°	152.9	157.0	163.9	169.9	172.7
62.5°	139.4	142.9	148.9	153.8	157.0
65°	125.2	128.0	133.3	138.1	140.9
67.5°	110.4	113.1	117.8	121.9	123.9
70°	95.5	98.1	101.6	104.9	106.9
72.5°	81.2	82.6	86.0	88.7	90.1
75°	66.3	67.7	70.4	73.1	73.8
77.5°	52.9	53.5	55.6	57.0	57.6
80°	38.7	40.0	41.3	41.9	42.7
82.5°	26.4	27.1	27.7	28.4	29.0
85°	15.5	16.1	16.1	17.0	17.0
87.5°	6.7	7.5	7.5	7.5	7.5
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.7	6.7	7.5	8.1	8.8
95°	21.0	21.7	23.7	25.0	26.4
97.5°	41.9	43.3	47.3	50.8	52.1
100°	67.7	70.4	76.6	81.2	83.3
102.5°	95.5	99.5	108.4	115.1	118.5
105°	124.6	130.0	142.2	151.0	155.1
107.5°	154.4	161.2	176.8	186.9	192.3
110°	184.1	193.0	209.9	223.4	227.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	214.0	223.4	243.7	258.6	266.1
115°	243.7	253.9	275.5	292.5	300.7
117.5°	272.3	283.0	306.7	325.7	333.1
120°	299.2	310.8	336.5	356.2	365.0
122.5°	326.3	337.3	364.2	385.2	396.2
125°	352.1	362.9	390.7	412.3	423.8
127.5°	376.5	386.5	415.8	438.1	448.9
130°	400.1	409.6	439.4	461.2	473.3
132.5°	422.5	431.3	461.2	482.1	495.0
135°	444.2	450.9	481.4	502.4	514.6
137.5°	464.4	469.2	499.1	520.1	531.6
140°	484.8	486.2	515.2	534.9	547.0
142.5°	503.1	502.4	530.2	549.1	560.6
145°	520.1	518.0	544.4	561.2	571.5
147.5°	536.2	531.6	556.5	570.9	580.3
150°	550.4	544.4	566.1	580.3	588.3
152.5°	562.6	555.8	574.1	587.0	595.1
155°	574.8	566.8	581.6	593.7	600.6
157.5°	585.7	575.4	587.0	597.8	603.4
160°	595.1	585.1	592.4	600.6	604.7
162.5°	603.4	593.1	596.5	601.2	604.7
165°	610.1	600.6	600.6	602.5	604.7
167.5°	615.4	607.4	603.4	604.0	604.7
170°	620.2	612.1	608.0	604.0	603.4
172.5°	623.6	615.4	612.1	606.6	602.5
175°	626.3	618.9	614.7	610.1	605.3
177.5°	627.0	620.8	617.5	612.8	608.7
180°	618.2	618.2	618.2	618.2	618.2

(END OF REPORT)