

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: P275090

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275090  
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 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2881.4 lumens  
Efficiency: N/A  
Efficacy: 137.9 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

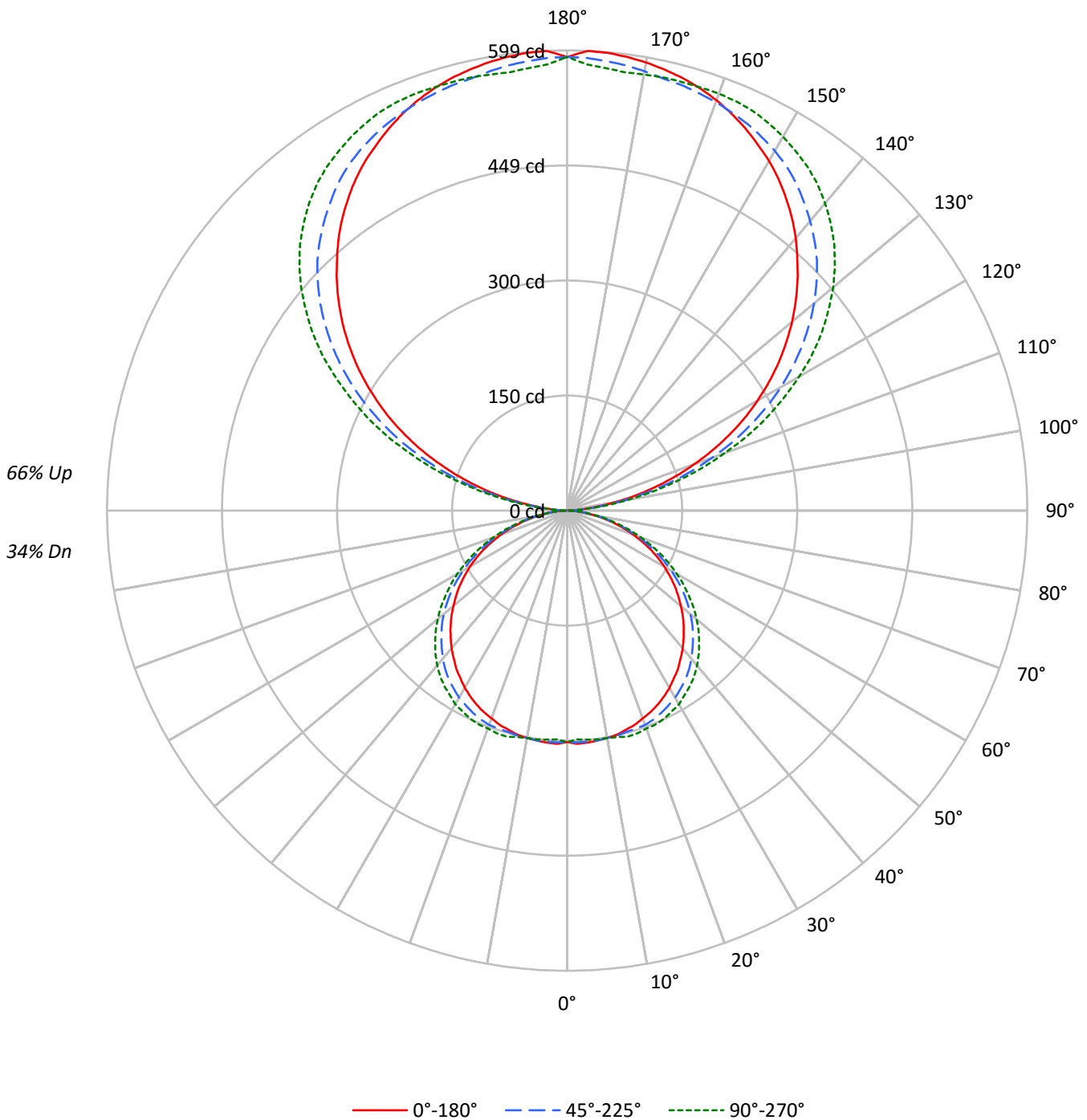
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275090

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275090

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

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

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

	0°	45°	90°
0°	2432	2432	2432
5°	2457	2447	2425
10°	2464	2464	2464
15°	2469	2491	2546
20°	2472	2550	2594
25°	2483	2587	2662
30°	2483	2622	2714
35°	2479	2644	2747
40°	2467	2650	2773
45°	2451	2643	2775
50°	2428	2631	2762
55°	2403	2594	2721
60°	2357	2527	2662
65°	2285	2432	2569
70°	2153	2292	2410
75°	1978	2099	2199
80°	1715	1832	1897
85°	1371	1426	1501



TEST NUMBER: P275090

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.7	1.0
10°-20°	84.5	2.9
20°-30°	133.1	4.6
30°-40°	166.4	5.8
40°-50°	177.3	6.2
50°-60°	163.5	5.7
60°-70°	125.6	4.4
70°-80°	71.2	2.5
80°-90°	18.7	0.7
90°-100°	30.2	1.0
100°-110°	142.2	4.9
110°-120°	257.7	8.9
120°-130°	331.0	11.5
130°-140°	352.1	12.2
140°-150°	324.0	11.2
150°-160°	256.5	8.9
160°-170°	162.9	5.7
170°-180°	55.9	1.9
0°-30°	246.4	8.6
0°-40°	412.8	14.3
0°-60°	753.6	26.2
0°-90°	969.1	33.6
90°-120°	430.0	14.9
90°-150°	1437.1	49.9
90°-180°	1912.0	66.4
0°-180°	2881.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	301	301	301	301	301	
5°	303	301	302	301	299	29
15°	295	294	298	303	305	83
25°	279	279	290	296	299	128
35°	252	256	268	275	279	157
45°	215	220	232	239	243	166
55°	171	176	184	190	193	152
65°	120	122	127	132	134	118
75°	63	65	67	70	70	67
85°	15	15	15	16	16	17
90°	1	1	1	0	0	2
95°	20	21	23	24	25	26
105°	119	124	136	144	148	126
115°	233	242	263	279	287	230
125°	336	347	373	394	405	300
135°	424	431	460	480	492	327
145°	497	495	520	536	546	311
155°	549	541	555	567	574	253
165°	583	574	574	575	578	165
175°	598	591	587	583	578	57
180°	590	590	590	590	590	



TEST NUMBER: P275090

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	301.3	301.3	301.3	301.3	301.3
2.5°	303.9	301.3	302.0	302.0	298.1
5°	303.2	300.6	302.0	301.3	299.3
7.5°	302.0	300.0	302.0	302.0	300.6
10°	300.6	298.8	300.6	301.3	300.6
12.5°	298.8	296.8	300.0	301.3	302.0
15°	295.4	294.2	298.1	303.2	304.6
17.5°	292.3	291.6	297.5	303.2	303.9
20°	287.7	287.7	296.8	301.3	302.0
22.5°	283.9	283.9	294.2	298.8	301.3
25°	278.7	279.3	290.4	296.2	298.8
27.5°	272.9	274.8	285.8	292.3	294.8
30°	266.4	269.7	281.3	287.7	291.1
32.5°	258.7	263.1	274.8	281.3	284.5
35°	251.5	256.1	268.3	274.8	278.7
37.5°	242.5	248.3	260.6	267.0	271.6
40°	234.1	240.0	251.5	258.7	263.1
42.5°	224.4	230.8	241.8	249.0	253.5
45°	214.7	220.4	231.5	238.6	243.1
47.5°	204.3	210.2	221.3	227.7	232.1
50°	193.3	199.7	209.5	216.0	219.9
52.5°	182.3	188.1	197.2	203.8	207.6
55°	170.7	175.8	184.3	190.2	193.3
57.5°	158.3	163.5	170.7	176.5	179.7
60°	146.0	150.0	156.5	162.3	164.9
62.5°	133.2	136.5	142.2	146.8	150.0
65°	119.6	122.2	127.3	131.9	134.5
67.5°	105.5	108.0	112.5	116.4	118.3
70°	91.2	93.7	97.1	100.2	102.1
72.5°	77.5	78.9	82.1	84.8	86.0
75°	63.4	64.6	67.3	69.8	70.5
77.5°	50.5	51.1	53.1	54.4	55.0
80°	36.9	38.2	39.4	40.0	40.8
82.5°	25.2	25.9	26.4	27.1	27.7
85°	14.8	15.4	15.4	16.2	16.2
87.5°	6.4	7.1	7.1	7.1	7.1
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.4	6.4	7.1	7.7	8.4
95°	20.0	20.7	22.7	23.9	25.2
97.5°	40.0	41.4	45.2	48.5	49.8
100°	64.6	67.3	73.1	77.5	79.6
102.5°	91.2	95.0	103.5	109.9	113.2
105°	119.0	124.2	135.8	144.2	148.1
107.5°	147.4	154.0	168.8	178.5	183.6
110°	175.8	184.3	200.4	213.3	217.2



TEST NUMBER: P275090

CATALOG NUMBER: J3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	204.3	213.3	232.8	247.0	254.1
115°	232.8	242.5	263.1	279.3	287.1
117.5°	260.0	270.2	292.9	311.1	318.1
120°	285.8	296.8	321.4	340.2	348.6
122.5°	311.6	322.1	347.9	367.9	378.3
125°	336.2	346.6	373.2	393.7	404.8
127.5°	359.6	369.1	397.1	418.4	428.7
130°	382.1	391.2	419.6	440.4	452.0
132.5°	403.5	411.9	440.4	460.4	472.7
135°	424.2	430.7	459.8	479.8	491.5
137.5°	443.5	448.1	476.7	496.7	507.7
140°	463.0	464.4	492.1	510.8	522.4
142.5°	480.5	479.8	506.3	524.4	535.4
145°	496.7	494.7	519.9	536.0	545.8
147.5°	512.1	507.7	531.5	545.2	554.2
150°	525.6	519.9	540.6	554.2	561.9
152.5°	537.3	530.8	548.3	560.6	568.3
155°	549.0	541.3	555.4	567.0	573.6
157.5°	559.3	549.6	560.6	571.0	576.2
160°	568.3	558.8	565.8	573.6	577.5
162.5°	576.2	566.5	569.7	574.2	577.5
165°	582.7	573.6	573.6	575.4	577.5
167.5°	587.7	580.0	576.2	576.8	577.5
170°	592.3	584.5	580.6	576.8	576.2
172.5°	595.6	587.7	584.5	579.3	575.4
175°	598.1	591.1	587.1	582.7	578.1
177.5°	598.8	592.9	589.7	585.2	581.3
180°	590.4	590.4	590.4	590.4	590.4

(END OF REPORT)