

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: P275099

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275099  
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-30L92765-1D-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, 90 CRI LEDS, TUNED TO 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2615.8 lumens  
Efficiency: N/A  
Efficacy: 124.0 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

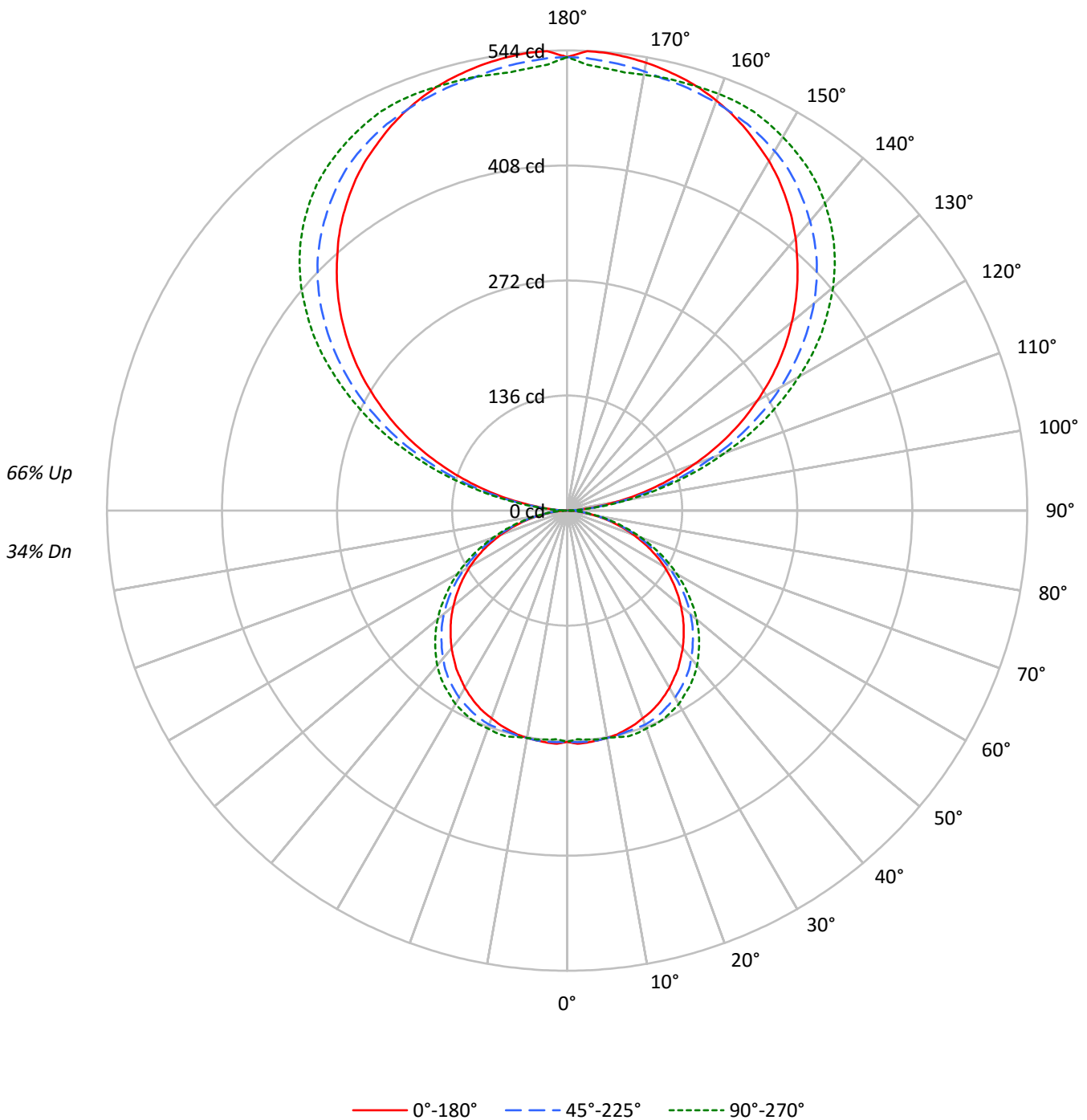
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2208	2208	2208
5°	2231	2221	2202
10°	2237	2237	2237
15°	2242	2262	2311
20°	2244	2314	2355
25°	2254	2348	2416
30°	2255	2380	2463
35°	2250	2401	2494
40°	2239	2406	2518
45°	2225	2399	2520
50°	2204	2389	2507
55°	2180	2355	2470
60°	2141	2294	2417
65°	2075	2208	2332
70°	1954	2079	2188
75°	1794	1906	1996
80°	1557	1664	1725
85°	1250	1297	1362



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	1.0
10°-20°	76.7	2.9
20°-30°	120.9	4.6
30°-40°	151.0	5.8
40°-50°	161.0	6.2
50°-60°	148.4	5.7
60°-70°	114.0	4.4
70°-80°	64.6	2.5
80°-90°	17.0	0.7
90°-100°	27.4	1.0
100°-110°	129.1	4.9
110°-120°	233.9	8.9
120°-130°	300.5	11.5
130°-140°	319.6	12.2
140°-150°	294.1	11.2
150°-160°	232.9	8.9
160°-170°	147.9	5.7
170°-180°	50.7	1.9
0°-30°	223.7	8.6
0°-40°	374.7	14.3
0°-60°	684.1	26.2
0°-90°	879.8	33.6
90°-120°	390.4	14.9
90°-150°	1304.6	49.9
90°-180°	1736.0	66.4
0°-180°	2615.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	274	274	274	274	274	
5°	275	273	274	274	272	26
15°	268	267	271	275	276	76
25°	253	254	264	269	271	117
35°	228	232	244	250	253	143
45°	195	200	210	217	221	150
55°	155	160	167	173	176	138
65°	109	111	116	120	122	107
75°	58	59	61	63	64	61
85°	14	14	14	15	15	15
90°	1	1	1	0	0	2
95°	18	19	21	22	23	24
105°	108	113	123	131	134	114
115°	211	220	239	254	261	208
125°	305	315	339	357	368	272
135°	385	391	417	436	446	297
145°	451	449	472	487	496	282
155°	498	491	504	515	521	230
165°	529	521	521	522	524	149
175°	543	537	533	529	525	52
180°	536	536	536	536	536	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	273.5	273.5	273.5	273.5	273.5
2.5°	275.9	273.5	274.1	274.1	270.6
5°	275.3	272.9	274.1	273.5	271.7
7.5°	274.1	272.4	274.1	274.1	272.9
10°	272.9	271.2	272.9	273.5	272.9
12.5°	271.2	269.4	272.4	273.5	274.1
15°	268.2	267.0	270.6	275.3	276.5
17.5°	265.4	264.7	270.1	275.3	275.9
20°	261.2	261.2	269.4	273.5	274.1
22.5°	257.8	257.8	267.0	271.2	273.5
25°	253.1	253.6	263.6	268.9	271.2
27.5°	247.7	249.5	259.4	265.4	267.7
30°	241.9	244.8	255.3	261.2	264.2
32.5°	234.9	238.9	249.5	255.3	258.3
35°	228.3	232.5	243.6	249.5	253.1
37.5°	220.2	225.4	236.6	242.4	246.6
40°	212.5	217.9	228.3	234.9	238.9
42.5°	203.7	209.5	219.5	226.0	230.1
45°	194.9	200.1	210.1	216.6	220.7
47.5°	185.5	190.8	200.9	206.7	210.7
50°	175.5	181.3	190.2	196.1	199.6
52.5°	165.5	170.8	179.0	185.0	188.4
55°	154.9	159.6	167.3	172.7	175.5
57.5°	143.8	148.4	154.9	160.2	163.2
60°	132.6	136.1	142.1	147.3	149.7
62.5°	120.9	123.9	129.1	133.3	136.1
65°	108.6	111.0	115.6	119.7	122.1
67.5°	95.7	98.0	102.1	105.6	107.4
70°	82.8	85.1	88.1	90.9	92.7
72.5°	70.4	71.6	74.5	76.9	78.1
75°	57.5	58.7	61.1	63.4	64.0
77.5°	45.8	46.4	48.2	49.4	49.9
80°	33.5	34.7	35.8	36.3	37.1
82.5°	22.9	23.5	24.0	24.6	25.2
85°	13.5	14.0	14.0	14.7	14.7
87.5°	5.8	6.5	6.5	6.5	6.5
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.8	5.8	6.5	7.0	7.6
95°	18.2	18.8	20.6	21.7	22.9
97.5°	36.3	37.6	41.0	44.1	45.2
100°	58.7	61.1	66.4	70.4	72.2
102.5°	82.8	86.2	94.0	99.8	102.7
105°	108.0	112.7	123.3	130.9	134.5
107.5°	133.8	139.8	153.3	162.0	166.7
110°	159.6	167.3	182.0	193.7	197.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	185.5	193.7	211.3	224.2	230.7
115°	211.3	220.2	238.9	253.6	260.7
117.5°	236.0	245.3	265.9	282.4	288.8
120°	259.4	269.4	291.8	308.8	316.4
122.5°	282.9	292.4	315.8	334.0	343.5
125°	305.3	314.6	338.8	357.4	367.5
127.5°	326.4	335.1	360.5	379.8	389.2
130°	346.9	355.2	380.9	399.8	410.4
132.5°	366.3	373.9	399.8	418.0	429.2
135°	385.1	391.0	417.4	435.5	446.2
137.5°	402.7	406.8	432.7	450.9	460.9
140°	420.3	421.5	446.7	463.7	474.3
142.5°	436.2	435.5	459.7	476.0	486.1
145°	450.9	449.1	472.0	486.6	495.5
147.5°	464.9	460.9	482.5	494.9	503.1
150°	477.2	472.0	490.8	503.1	510.1
152.5°	487.7	481.9	497.8	508.9	515.9
155°	498.4	491.4	504.2	514.8	520.7
157.5°	507.8	498.9	508.9	518.3	523.1
160°	515.9	507.3	513.6	520.7	524.3
162.5°	523.1	514.2	517.2	521.2	524.3
165°	529.0	520.7	520.7	522.4	524.3
167.5°	533.6	526.6	523.1	523.6	524.3
170°	537.7	530.6	527.1	523.6	523.1
172.5°	540.7	533.6	530.6	525.9	522.4
175°	543.0	536.6	532.9	529.0	524.8
177.5°	543.6	538.3	535.3	531.3	527.7
180°	536.0	536.0	536.0	536.0	536.0

(END OF REPORT)