

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: P275111

Luminaire Tested: **J3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275111  
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-40L92765-1D-UNV-W2A-W-4 (2700K)  
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 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3015.3 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.47  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

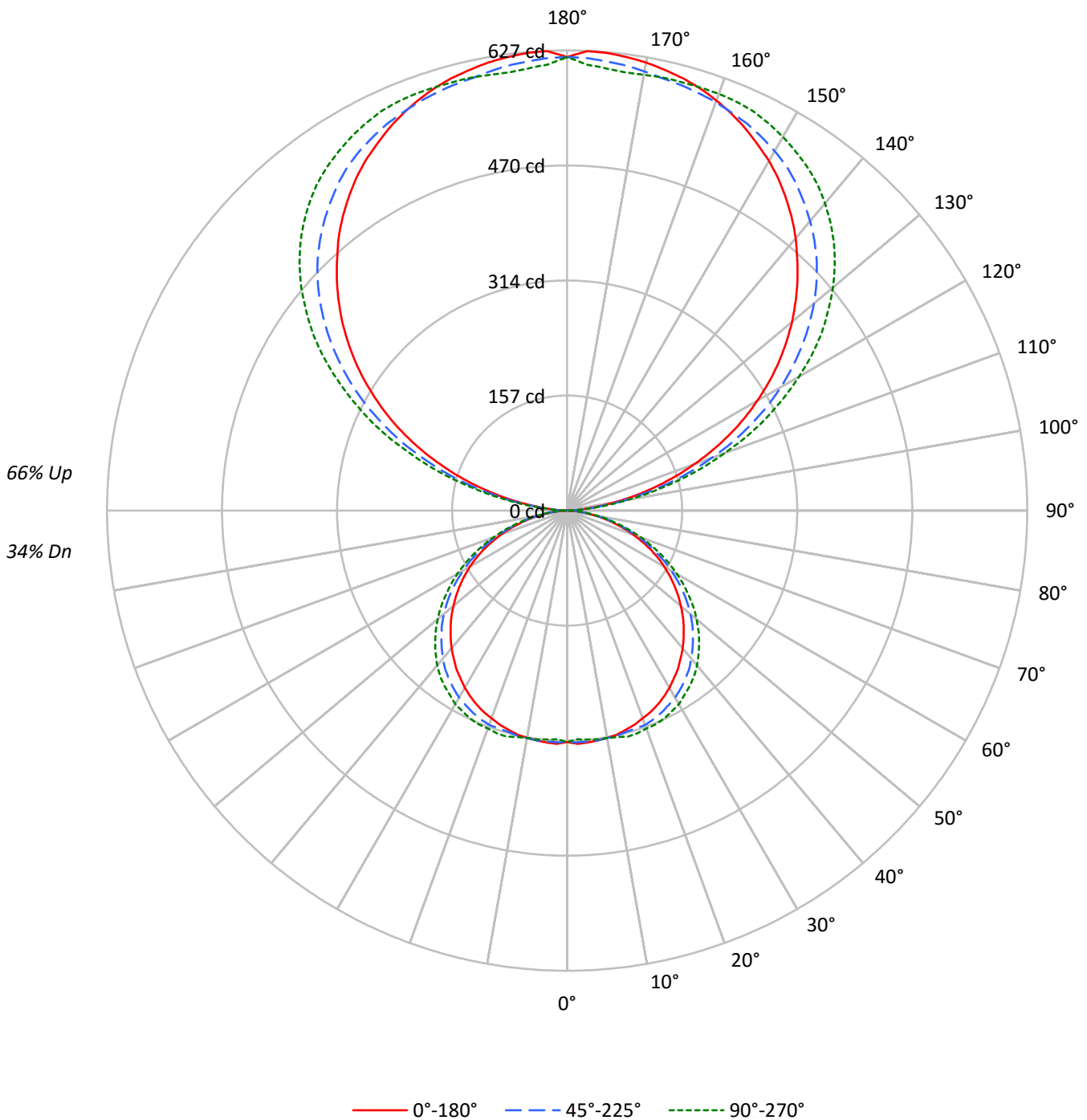
Input Watts (W): 27.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2545	2545	2545
5°	2571	2561	2538
10°	2579	2579	2579
15°	2583	2607	2664
20°	2587	2668	2715
25°	2598	2707	2784
30°	2599	2743	2839
35°	2594	2766	2875
40°	2582	2774	2901
45°	2565	2765	2904
50°	2541	2754	2890
55°	2514	2715	2847
60°	2467	2645	2787
65°	2392	2544	2690
70°	2252	2398	2523
75°	2068	2196	2302
80°	1795	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°	139.3	4.6
30°-40°	174.1	5.8
40°-50°	185.6	6.2
50°-60°	171.1	5.7
60°-70°	131.4	4.4
70°-80°	74.5	2.5
80°-90°	19.6	0.7
90°-100°	31.6	1.0
100°-110°	148.8	4.9
110°-120°	269.6	8.9
120°-130°	346.3	11.5
130°-140°	368.4	12.2
140°-150°	339.0	11.2
150°-160°	268.5	8.9
160°-170°	170.4	5.7
170°-180°	58.5	1.9
0°-30°	257.9	8.6
0°-40°	432.0	14.3
0°-60°	788.6	26.2
0°-90°	1014.1	33.6
90°-120°	450.0	14.9
90°-150°	1503.8	49.9
90°-180°	2001.0	66.4
0°-180°	3015.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	315	315	315	315	315	
5°	317	315	316	315	313	30
15°	309	308	312	317	319	87
25°	292	292	304	310	313	134
35°	263	268	281	288	292	164
45°	225	231	242	250	254	173
55°	179	184	193	199	202	159
65°	125	128	133	138	141	123
75°	66	68	70	73	74	70
85°	16	16	16	17	17	18
90°	1	1	1	0	0	2
95°	21	22	24	25	26	27
105°	124	130	142	151	155	132
115°	244	254	275	292	300	240
125°	352	363	390	412	424	314
135°	444	451	481	502	514	342
145°	520	518	544	561	571	325
155°	574	566	581	593	600	265
165°	610	600	600	602	604	172
175°	626	618	614	610	605	60
180°	618	618	618	618	618	



TEST NUMBER: P275111

CATALOG NUMBER: J3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	315.3	315.3	315.3	315.3	315.3
2.5°	318.1	315.3	316.0	316.0	311.9
5°	317.3	314.6	316.0	315.3	313.2
7.5°	316.0	314.0	316.0	316.0	314.6
10°	314.6	312.6	314.6	315.3	314.6
12.5°	312.6	310.6	314.0	315.3	316.0
15°	309.1	307.8	311.9	317.3	318.8
17.5°	305.9	305.2	311.3	317.3	318.1
20°	301.1	301.1	310.6	315.3	316.0
22.5°	297.1	297.1	307.8	312.6	315.3
25°	291.7	292.3	303.9	310.0	312.6
27.5°	285.6	287.6	299.0	305.9	308.5
30°	278.8	282.2	294.3	301.1	304.6
32.5°	270.8	275.3	287.6	294.3	297.7
35°	263.2	268.0	280.7	287.6	291.7
37.5°	253.8	259.8	272.7	279.4	284.2
40°	245.0	251.1	263.2	270.8	275.3
42.5°	234.8	241.5	253.1	260.5	265.2
45°	224.7	230.7	242.2	249.7	254.4
47.5°	213.8	220.0	231.5	238.3	242.8
50°	202.3	209.0	219.3	226.0	230.1
52.5°	190.7	196.9	206.4	213.2	217.2
55°	178.6	184.0	192.9	199.0	202.3
57.5°	165.7	171.1	178.6	184.7	188.1
60°	152.8	156.9	163.8	169.8	172.6
62.5°	139.4	142.8	148.9	153.7	156.9
65°	125.2	127.9	133.2	138.0	140.8
67.5°	110.3	113.0	117.7	121.8	123.8
70°	95.4	98.1	101.6	104.8	106.9
72.5°	81.1	82.6	85.9	88.7	90.0
75°	66.3	67.6	70.4	73.0	73.8
77.5°	52.8	53.4	55.6	56.9	57.5
80°	38.6	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°	20.9	21.7	23.7	25.0	26.4
97.5°	41.9	43.3	47.3	50.8	52.1
100°	67.6	70.4	76.5	81.1	83.3
102.5°	95.4	99.4	108.3	115.0	118.4
105°	124.5	130.0	142.1	150.9	155.0
107.5°	154.3	161.1	176.7	186.8	192.2
110°	184.0	192.9	209.7	223.2	227.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	213.8	223.2	243.6	258.5	265.9
115°	243.6	253.8	275.3	292.3	300.5
117.5°	272.1	282.8	306.5	325.5	332.9
120°	299.0	310.6	336.3	356.0	364.7
122.5°	326.1	337.1	364.0	385.0	395.9
125°	351.9	362.7	390.5	412.0	423.6
127.5°	376.3	386.3	415.5	437.8	448.6
130°	399.9	409.4	439.1	460.9	473.0
132.5°	422.3	431.0	460.9	481.8	494.7
135°	443.9	450.7	481.1	502.0	514.3
137.5°	464.1	469.0	498.8	519.7	531.3
140°	484.5	485.9	514.9	534.5	546.7
142.5°	502.8	502.0	529.8	548.7	560.3
145°	519.7	517.7	544.0	560.9	571.1
147.5°	535.9	531.3	556.2	570.5	579.9
150°	550.1	544.0	565.7	579.9	588.0
152.5°	562.2	555.5	573.8	586.6	594.7
155°	574.5	566.4	581.2	593.4	600.2
157.5°	585.3	575.1	586.6	597.5	603.0
160°	594.7	584.7	592.1	600.2	604.3
162.5°	603.0	592.8	596.2	600.8	604.3
165°	609.8	600.2	600.2	602.2	604.3
167.5°	615.0	607.0	603.0	603.6	604.3
170°	619.9	611.7	607.6	603.6	603.0
172.5°	623.2	615.0	611.7	606.3	602.2
175°	625.9	618.5	614.3	609.8	604.9
177.5°	626.6	620.5	617.1	612.4	608.3
180°	617.8	617.8	617.8	617.8	617.8

(END OF REPORT)