

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: P253532

Luminaire Tested: **J3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253532  
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-40L93050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2993.5 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

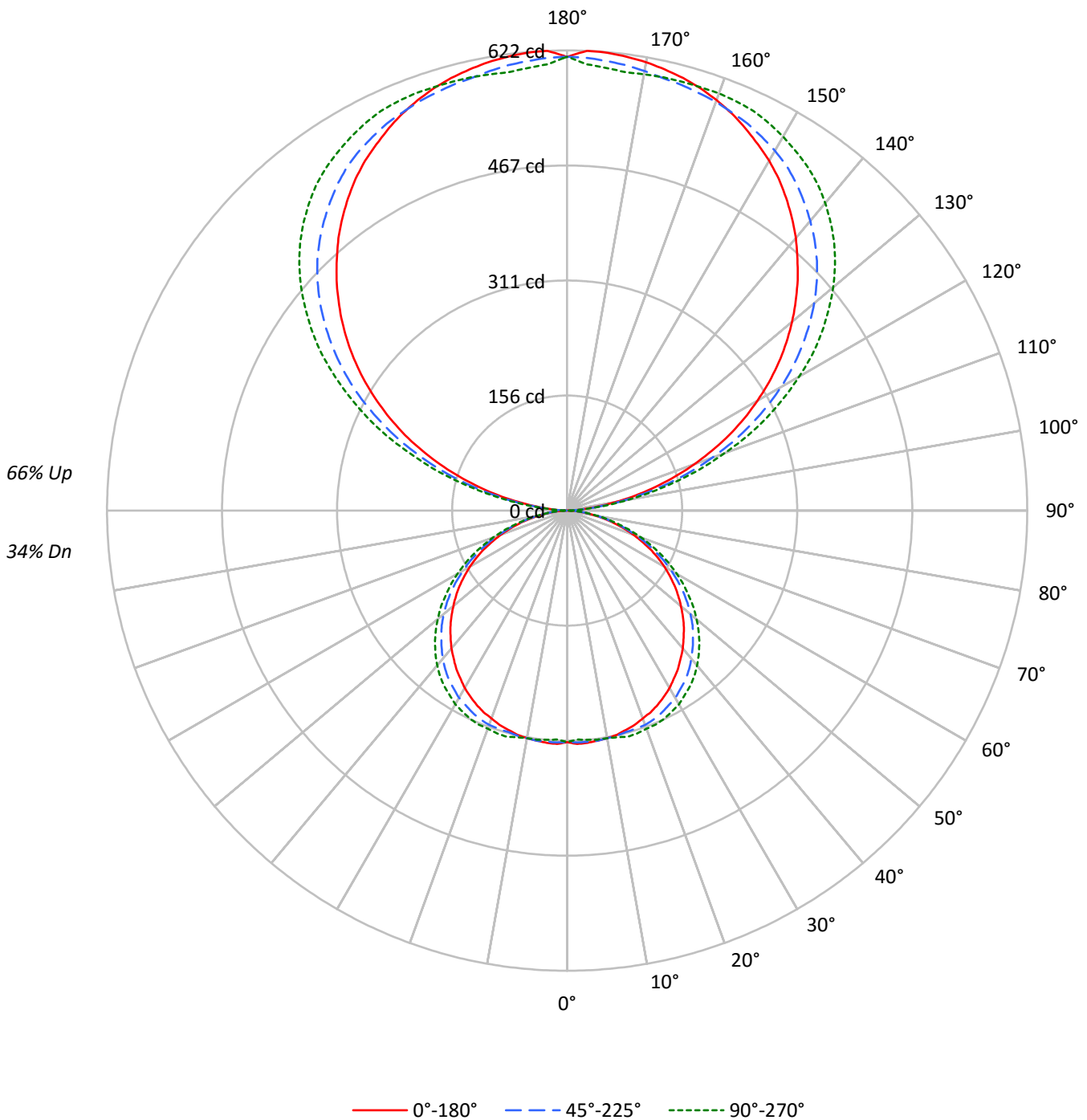
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2527	2527	2527
5°	2553	2542	2520
10°	2560	2560	2560
15°	2565	2588	2645
20°	2568	2649	2695
25°	2580	2687	2765
30°	2580	2724	2819
35°	2575	2747	2854
40°	2563	2754	2880
45°	2546	2746	2884
50°	2522	2734	2869
55°	2495	2695	2826
60°	2449	2625	2766
65°	2372	2525	2670
70°	2235	2379	2504
75°	2052	2180	2283
80°	1781	1906	1971
85°	1426	1482	1556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	1.0
10°-20°	87.8	2.9
20°-30°	138.3	4.6
30°-40°	172.8	5.8
40°-50°	184.2	6.2
50°-60°	169.9	5.7
60°-70°	130.5	4.4
70°-80°	73.9	2.5
80°-90°	19.5	0.7
90°-100°	31.4	1.0
100°-110°	147.7	4.9
110°-120°	267.7	8.9
120°-130°	343.8	11.5
130°-140°	365.8	12.2
140°-150°	336.6	11.2
150°-160°	266.5	8.9
160°-170°	169.2	5.7
170°-180°	58.0	1.9
0°-30°	256.0	8.6
0°-40°	428.8	14.3
0°-60°	782.9	26.2
0°-90°	1006.8	33.6
90°-120°	446.7	14.9
90°-150°	1492.9	49.9
90°-180°	1987.0	66.4
0°-180°	2993.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	313	313	313	313	313	
5°	315	312	314	313	311	30
15°	307	306	310	315	316	87
25°	290	290	302	308	310	133
35°	261	266	279	286	290	163
45°	223	229	240	248	253	172
55°	177	183	192	198	201	158
65°	124	127	132	137	140	123
75°	66	67	70	72	73	70
85°	15	16	16	17	17	17
90°	1	1	1	0	0	2
95°	21	22	24	25	26	27
105°	124	129	141	150	154	131
115°	242	252	273	290	298	238
125°	349	360	388	409	420	312
135°	441	447	478	498	511	340
145°	516	514	540	557	567	323
155°	570	562	577	589	596	263
165°	605	596	596	598	600	171
175°	621	614	610	605	601	59
180°	613	613	613	613	613	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	313.0	313.0	313.0	313.0	313.0
2.5°	315.7	313.0	313.7	313.7	309.7
5°	315.0	312.3	313.7	313.0	311.0
7.5°	313.7	311.7	313.7	313.7	312.3
10°	312.3	310.4	312.3	313.0	312.3
12.5°	310.4	308.3	311.7	313.0	313.7
15°	306.9	305.6	309.7	315.0	316.5
17.5°	303.7	303.0	309.1	315.0	315.7
20°	298.9	298.9	308.3	313.0	313.7
22.5°	295.0	295.0	305.6	310.4	313.0
25°	289.6	290.2	301.7	307.7	310.4
27.5°	283.5	285.5	296.9	303.7	306.3
30°	276.8	280.1	292.2	298.9	302.4
32.5°	268.8	273.3	285.5	292.2	295.6
35°	261.3	266.1	278.7	285.5	289.6
37.5°	252.0	257.9	270.7	277.4	282.2
40°	243.2	249.3	261.3	268.8	273.3
42.5°	233.1	239.8	251.2	258.6	263.3
45°	223.0	229.0	240.5	247.9	252.6
47.5°	212.3	218.4	229.9	236.5	241.1
50°	200.8	207.5	217.7	224.4	228.4
52.5°	189.4	195.4	204.9	211.7	215.6
55°	177.3	182.7	191.5	197.6	200.8
57.5°	164.5	169.9	177.3	183.4	186.7
60°	151.7	155.8	162.6	168.6	171.3
62.5°	138.3	141.8	147.8	152.6	155.8
65°	124.2	127.0	132.2	137.0	139.8
67.5°	109.6	112.2	116.8	120.9	122.9
70°	94.7	97.4	100.8	104.1	106.1
72.5°	80.5	82.0	85.3	88.0	89.4
75°	65.8	67.1	69.9	72.5	73.2
77.5°	52.4	53.0	55.2	56.5	57.1
80°	38.3	39.7	41.0	41.6	42.4
82.5°	26.2	26.9	27.5	28.2	28.8
85°	15.4	16.0	16.0	16.8	16.8
87.5°	6.7	7.4	7.4	7.4	7.4
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.7	6.7	7.4	8.0	8.7
95°	20.8	21.5	23.5	24.8	26.2
97.5°	41.6	43.0	47.0	50.4	51.7
100°	67.1	69.9	76.0	80.5	82.7
102.5°	94.7	98.7	107.5	114.2	117.6
105°	123.6	129.0	141.1	149.8	153.9
107.5°	153.2	160.0	175.4	185.4	190.8
110°	182.7	191.5	208.2	221.6	225.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	212.3	221.6	241.8	256.6	264.0
115°	241.8	252.0	273.3	290.2	298.3
117.5°	270.1	280.7	304.3	323.2	330.4
120°	296.9	308.3	333.9	353.4	362.1
122.5°	323.8	334.6	361.4	382.2	393.0
125°	349.3	360.1	387.7	409.1	420.5
127.5°	373.6	383.5	412.5	434.6	445.4
130°	397.0	406.4	435.9	457.6	469.6
132.5°	419.2	427.9	457.6	478.3	491.1
135°	440.7	447.4	477.6	498.4	510.6
137.5°	460.8	465.6	495.2	516.0	527.4
140°	481.0	482.4	511.2	530.7	542.7
142.5°	499.1	498.4	526.0	544.8	556.2
145°	516.0	513.9	540.1	556.8	567.0
147.5°	532.0	527.4	552.2	566.4	575.7
150°	546.1	540.1	561.6	575.7	583.7
152.5°	558.1	551.5	569.6	582.4	590.4
155°	570.3	562.3	577.0	589.1	595.9
157.5°	581.1	570.9	582.4	593.1	598.6
160°	590.4	580.5	587.8	595.9	600.0
162.5°	598.6	588.5	591.8	596.5	600.0
165°	605.3	595.9	595.9	597.8	600.0
167.5°	610.6	602.6	598.6	599.2	600.0
170°	615.4	607.2	603.2	599.2	598.6
172.5°	618.7	610.6	607.2	601.9	597.8
175°	621.3	614.1	609.9	605.3	600.6
177.5°	622.1	616.0	612.6	608.0	603.9
180°	613.3	613.3	613.3	613.3	613.3

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