

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: P275093

Luminaire Tested: **J3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3011.4 lumens
Efficiency: N/A
Efficacy: 141.4 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

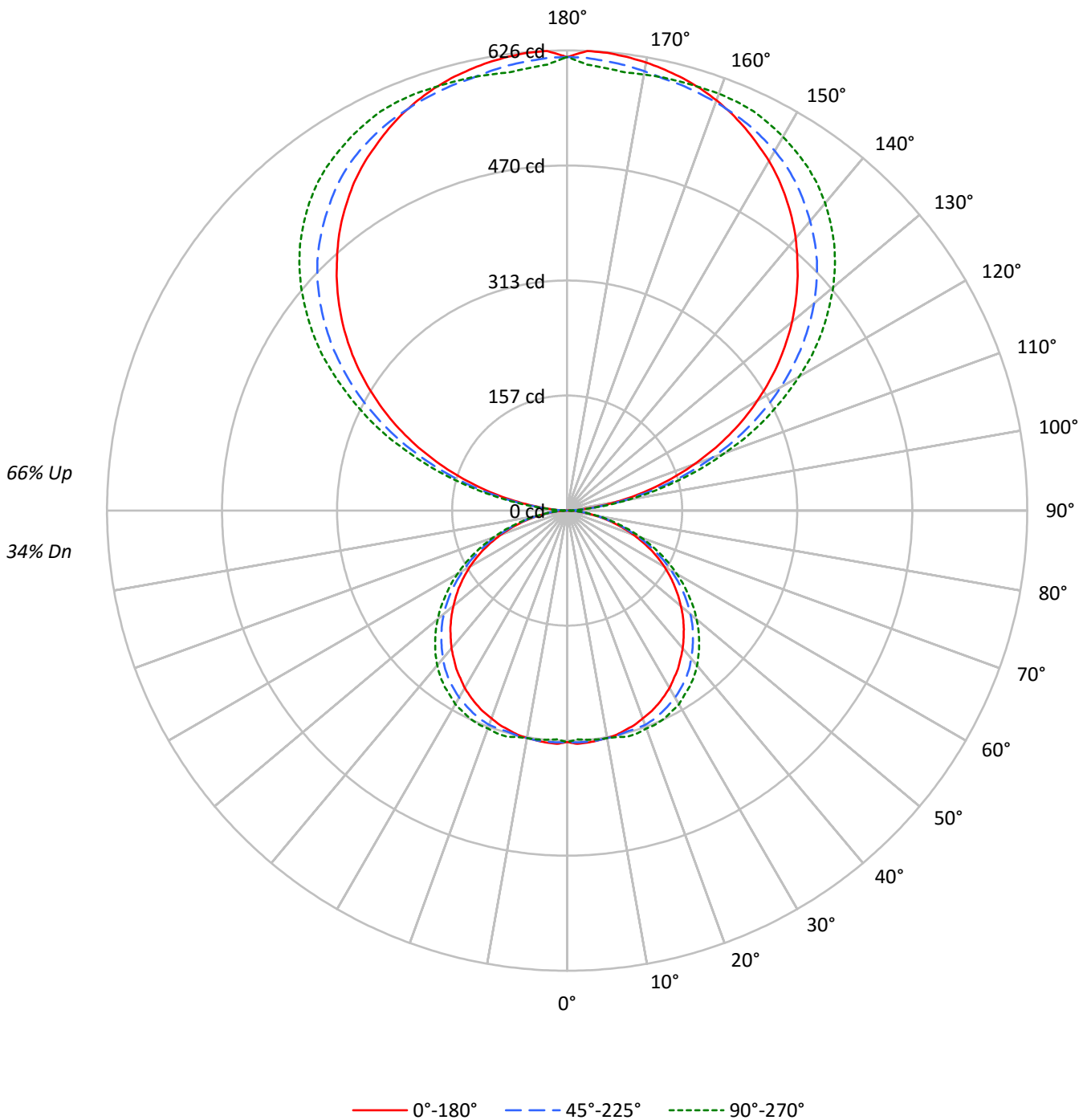
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2542	2542	2542
5°	2568	2558	2535
10°	2576	2576	2576
15°	2580	2603	2661
20°	2583	2665	2711
25°	2595	2703	2781
30°	2596	2741	2836
35°	2590	2763	2871
40°	2579	2770	2898
45°	2562	2762	2901
50°	2537	2750	2886
55°	2510	2711	2843
60°	2464	2641	2782
65°	2388	2541	2686
70°	2249	2393	2519
75°	2065	2193	2299
80°	1795	1915	1985
85°	1436	1491	1565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	1.0
10°-20°	88.3	2.9
20°-30°	139.1	4.6
30°-40°	173.9	5.8
40°-50°	185.3	6.2
50°-60°	170.9	5.7
60°-70°	131.2	4.4
70°-80°	74.3	2.5
80°-90°	19.6	0.7
90°-100°	31.6	1.0
100°-110°	148.6	4.9
110°-120°	269.3	8.9
120°-130°	345.9	11.5
130°-140°	368.0	12.2
140°-150°	338.6	11.2
150°-160°	268.1	8.9
160°-170°	170.2	5.7
170°-180°	58.4	1.9
0°-30°	257.5	8.6
0°-40°	431.4	14.3
0°-60°	787.6	26.2
0°-90°	1012.8	33.6
90°-120°	449.4	14.9
90°-150°	1501.9	49.9
90°-180°	1999.0	66.4
0°-180°	3011.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	315	315	315	315	315	
5°	317	314	316	315	313	30
15°	309	307	312	317	318	87
25°	291	292	304	310	312	134
35°	263	268	280	287	291	164
45°	224	230	242	249	254	173
55°	178	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°	243	254	275	292	300	240
125°	351	362	390	412	423	314
135°	443	450	480	501	514	342
145°	519	517	543	560	570	325
155°	574	566	580	593	600	265
165°	609	600	600	601	604	172
175°	625	618	614	609	604	59
180°	617	617	617	617	617	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	314.9	314.9	314.9	314.9	314.9
2.5°	317.6	314.9	315.6	315.6	311.5
5°	316.9	314.2	315.6	314.9	312.8
7.5°	315.6	313.6	315.6	315.6	314.2
10°	314.2	312.2	314.2	314.9	314.2
12.5°	312.2	310.2	313.6	314.9	315.6
15°	308.7	307.4	311.5	316.9	318.4
17.5°	305.5	304.8	310.9	316.9	317.6
20°	300.7	300.7	310.2	314.9	315.6
22.5°	296.7	296.7	307.4	312.2	314.9
25°	291.3	291.9	303.5	309.6	312.2
27.5°	285.2	287.2	298.6	305.5	308.1
30°	278.5	281.8	294.0	300.7	304.2
32.5°	270.4	275.0	287.2	294.0	297.3
35°	262.8	267.6	280.4	287.2	291.3
37.5°	253.5	259.5	272.3	279.1	283.9
40°	244.7	250.8	262.8	270.4	275.0
42.5°	234.5	241.2	252.7	260.2	264.9
45°	224.4	230.4	241.9	249.4	254.1
47.5°	213.6	219.7	231.2	238.0	242.5
50°	202.0	208.8	219.0	225.7	229.8
52.5°	190.5	196.6	206.1	213.0	216.9
55°	178.3	183.8	192.6	198.8	202.0
57.5°	165.5	170.9	178.3	184.5	187.8
60°	152.6	156.7	163.6	169.6	172.3
62.5°	139.2	142.7	148.7	153.5	156.7
65°	125.0	127.8	133.0	137.8	140.6
67.5°	110.2	112.8	117.5	121.6	123.7
70°	95.3	97.9	101.4	104.7	106.7
72.5°	81.0	82.4	85.8	88.6	89.9
75°	66.2	67.5	70.3	72.9	73.7
77.5°	52.8	53.4	55.5	56.8	57.4
80°	38.6	39.9	41.2	41.8	42.7
82.5°	26.3	27.0	27.6	28.4	29.0
85°	15.5	16.1	16.1	16.9	16.9
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	21.6	23.7	25.0	26.3
97.5°	41.8	43.3	47.2	50.7	52.0
100°	67.5	70.3	76.4	81.0	83.2
102.5°	95.3	99.3	108.2	114.9	118.3
105°	124.4	129.8	141.9	150.7	154.8
107.5°	154.1	160.9	176.4	186.5	191.9
110°	183.8	192.6	209.5	222.9	227.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	213.6	222.9	243.2	258.1	265.6
115°	243.2	253.5	275.0	291.9	300.1
117.5°	271.7	282.4	306.1	325.1	332.4
120°	298.6	310.2	335.9	355.5	364.3
122.5°	325.7	336.6	363.5	384.5	395.4
125°	351.4	362.2	390.0	411.5	423.0
127.5°	375.8	385.8	415.0	437.2	448.0
130°	399.4	408.9	438.5	460.3	472.4
132.5°	421.7	430.5	460.3	481.2	494.1
135°	443.3	450.1	480.5	501.4	513.7
137.5°	463.5	468.3	498.1	519.1	530.6
140°	483.8	485.3	514.3	533.8	546.0
142.5°	502.1	501.4	529.2	548.0	559.6
145°	519.1	517.0	543.3	560.2	570.4
147.5°	535.2	530.6	555.5	569.8	579.2
150°	549.3	543.3	565.0	579.2	587.2
152.5°	561.5	554.8	573.0	585.9	593.9
155°	573.7	565.7	580.5	592.6	599.5
157.5°	584.6	574.3	585.9	596.7	602.2
160°	593.9	584.0	591.3	599.5	603.5
162.5°	602.2	592.0	595.4	600.1	603.5
165°	609.0	599.5	599.5	601.4	603.5
167.5°	614.2	606.2	602.2	602.8	603.5
170°	619.1	610.9	606.8	602.8	602.2
172.5°	622.4	614.2	610.9	605.5	601.4
175°	625.1	617.7	613.5	609.0	604.1
177.5°	625.8	619.7	616.3	611.6	607.5
180°	617.0	617.0	617.0	617.0	617.0

(END OF REPORT)