

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: P275101

Luminaire Tested: **J3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275101
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-30L92765-1D-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, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2722.7 lumens
Efficiency: N/A
Efficacy: 127.8 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

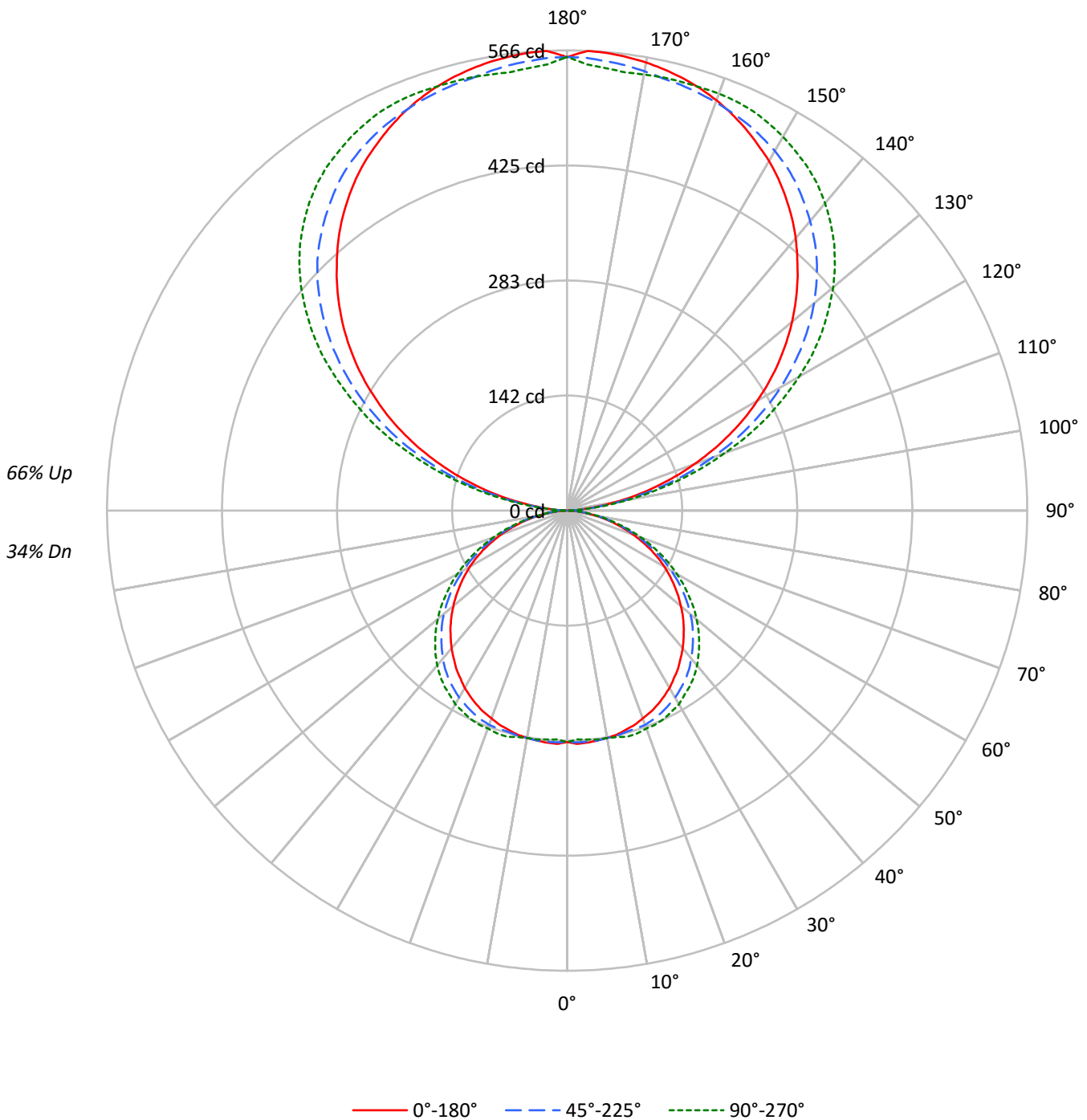
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2298	2298	2298
5°	2322	2312	2292
10°	2328	2328	2328
15°	2333	2354	2405
20°	2336	2409	2451
25°	2346	2444	2515
30°	2347	2478	2564
35°	2342	2498	2596
40°	2331	2504	2620
45°	2316	2497	2622
50°	2295	2487	2610
55°	2269	2452	2571
60°	2228	2388	2516
65°	2159	2298	2428
70°	2035	2164	2278
75°	1868	1984	2077
80°	1623	1734	1795
85°	1297	1352	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	1.0
10°-20°	79.9	2.9
20°-30°	125.8	4.6
30°-40°	157.2	5.8
40°-50°	167.6	6.2
50°-60°	154.5	5.7
60°-70°	118.7	4.4
70°-80°	67.2	2.5
80°-90°	17.7	0.7
90°-100°	28.5	1.0
100°-110°	134.3	4.9
110°-120°	243.5	8.9
120°-130°	312.7	11.5
130°-140°	332.7	12.2
140°-150°	306.1	11.2
150°-160°	242.4	8.9
160°-170°	153.9	5.7
170°-180°	52.8	1.9
0°-30°	232.8	8.6
0°-40°	390.0	14.3
0°-60°	712.1	26.2
0°-90°	915.7	33.6
90°-120°	406.4	14.9
90°-150°	1357.9	49.9
90°-180°	1807.0	66.4
0°-180°	2722.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	286	284	285	285	283	27
15°	279	278	282	286	288	79
25°	263	264	274	280	282	121
35°	238	242	254	260	263	148
45°	203	208	219	226	230	156
55°	161	166	174	180	183	144
65°	113	116	120	125	127	111
75°	60	61	64	66	67	64
85°	14	15	15	15	15	16
90°	1	1	1	0	0	2
95°	19	20	21	23	24	25
105°	112	117	128	136	140	119
115°	220	229	249	264	271	217
125°	318	328	353	372	382	284
135°	401	407	434	453	464	309
145°	469	467	491	506	516	294
155°	519	512	525	536	542	239
165°	551	542	542	544	546	156
175°	565	558	555	551	546	54
180°	558	558	558	558	558	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	284.7	284.7	284.7	284.7	284.7
2.5°	287.2	284.7	285.3	285.3	281.6
5°	286.5	284.0	285.3	284.7	282.8
7.5°	285.3	283.5	285.3	285.3	284.0
10°	284.0	282.3	284.0	284.7	284.0
12.5°	282.3	280.4	283.5	284.7	285.3
15°	279.1	277.9	281.6	286.5	287.8
17.5°	276.2	275.6	281.1	286.5	287.2
20°	271.9	271.9	280.4	284.7	285.3
22.5°	268.3	268.3	277.9	282.3	284.7
25°	263.4	263.9	274.4	279.9	282.3
27.5°	257.8	259.7	270.0	276.2	278.6
30°	251.8	254.8	265.8	271.9	275.0
32.5°	244.5	248.6	259.7	265.8	268.8
35°	237.6	242.0	253.5	259.7	263.4
37.5°	229.2	234.6	246.2	252.3	256.7
40°	221.2	226.8	237.6	244.5	248.6
42.5°	212.0	218.1	228.5	235.2	239.5
45°	202.9	208.3	218.7	225.5	229.7
47.5°	193.1	198.6	209.1	215.1	219.3
50°	182.7	188.7	198.0	204.1	207.8
52.5°	172.2	177.8	186.3	192.5	196.1
55°	161.2	166.1	174.2	179.7	182.7
57.5°	149.6	154.5	161.2	166.8	169.8
60°	138.0	141.7	147.9	153.3	155.8
62.5°	125.8	129.0	134.4	138.8	141.7
65°	113.0	115.5	120.3	124.6	127.1
67.5°	99.6	102.0	106.3	110.0	111.8
70°	86.2	88.6	91.7	94.6	96.5
72.5°	73.2	74.5	77.6	80.1	81.3
75°	59.9	61.1	63.6	66.0	66.6
77.5°	47.7	48.2	50.2	51.4	51.9
80°	34.9	36.1	37.3	37.8	38.6
82.5°	23.8	24.4	25.0	25.6	26.2
85°	14.0	14.6	14.6	15.3	15.3
87.5°	6.1	6.7	6.7	6.7	6.7
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.1	6.1	6.7	7.3	7.9
95°	18.9	19.6	21.4	22.6	23.8
97.5°	37.8	39.1	42.7	45.9	47.0
100°	61.1	63.6	69.1	73.2	75.2
102.5°	86.2	89.8	97.8	103.9	106.9
105°	112.5	117.4	128.3	136.3	140.0
107.5°	139.3	145.5	159.5	168.6	173.5
110°	166.1	174.2	189.4	201.6	205.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	193.1	201.6	219.9	233.4	240.1
115°	219.9	229.2	248.6	263.9	271.3
117.5°	245.7	255.3	276.8	293.9	300.5
120°	270.0	280.4	303.7	321.4	329.3
122.5°	294.5	304.4	328.7	347.6	357.5
125°	317.7	327.5	352.6	372.0	382.5
127.5°	339.8	348.8	375.2	395.3	405.1
130°	361.1	369.7	396.5	416.2	427.1
132.5°	381.3	389.2	416.2	435.1	446.7
135°	400.8	406.9	434.4	453.3	464.4
137.5°	419.1	423.4	450.4	469.3	479.7
140°	437.5	438.8	464.9	482.7	493.6
142.5°	454.0	453.3	478.4	495.5	505.9
145°	469.3	467.4	491.2	506.5	515.7
147.5°	483.9	479.7	502.2	515.1	523.6
150°	496.7	491.2	510.8	523.6	530.9
152.5°	507.7	501.6	518.1	529.7	537.0
155°	518.7	511.5	524.8	535.8	542.0
157.5°	528.5	519.3	529.7	539.5	544.5
160°	537.0	528.0	534.6	542.0	545.7
162.5°	544.5	535.3	538.3	542.5	545.7
165°	550.6	542.0	542.0	543.7	545.7
167.5°	555.4	548.1	544.5	545.0	545.7
170°	559.7	552.3	548.6	545.0	544.5
172.5°	562.7	555.4	552.3	547.4	543.7
175°	565.1	558.5	554.7	550.6	546.2
177.5°	565.8	560.2	557.2	553.0	549.3
180°	557.9	557.9	557.9	557.9	557.9

(END OF REPORT)