

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: P275197

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

Issue Date: 10/15/2018

**Test Information**

Test Method: LM-79-08  
Report Number: P275197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/15/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L92765-1D-UNV-W2A-W-4 (5700K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 2840.8 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

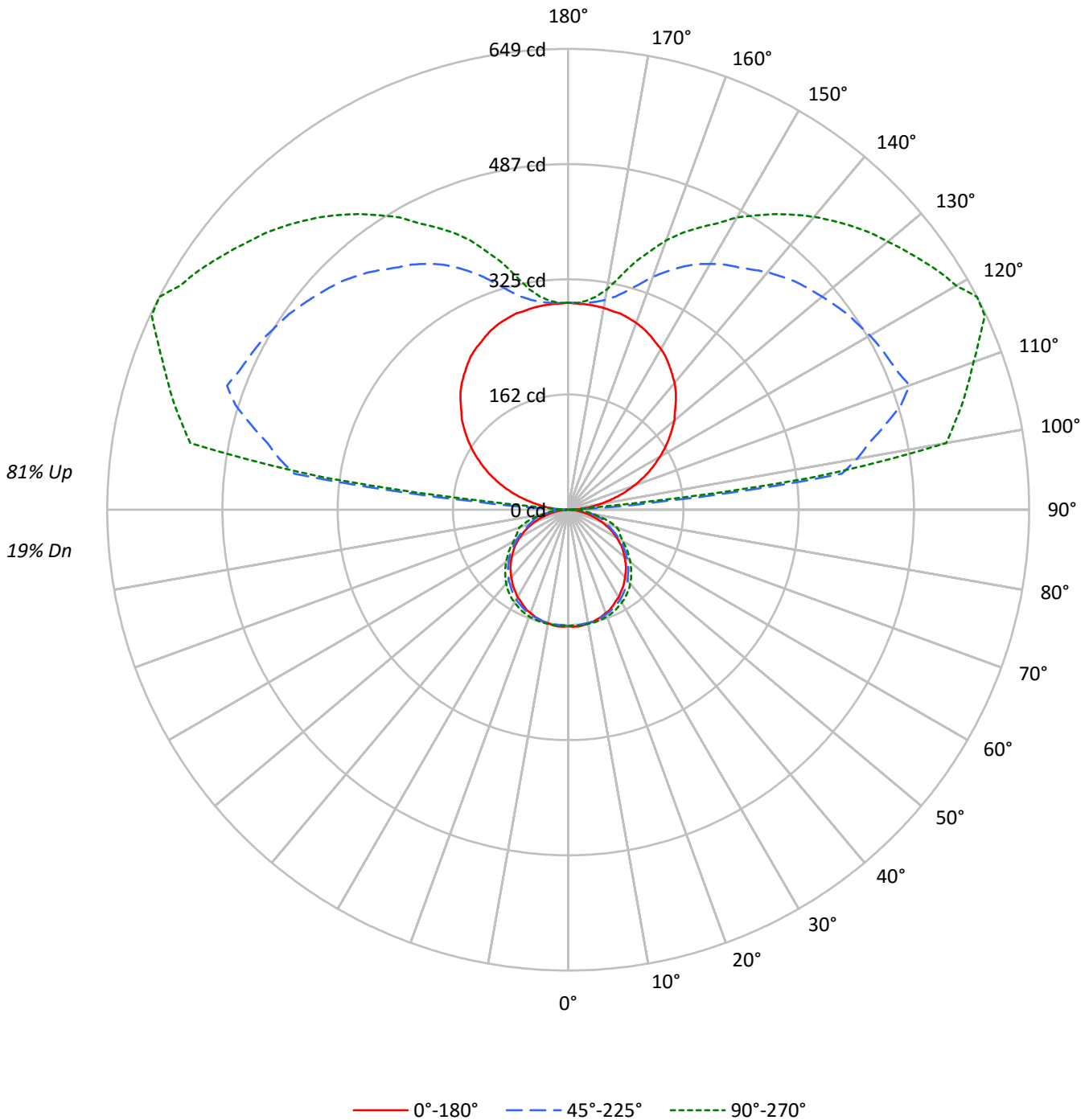
Input Watts (W): 21.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1325	1325	1325
5°	1337	1322	1330
10°	1330	1330	1337
15°	1332	1332	1356
20°	1329	1344	1377
25°	1327	1352	1394
30°	1327	1363	1407
35°	1320	1366	1422
40°	1312	1371	1431
45°	1313	1368	1432
50°	1302	1361	1433
55°	1301	1354	1433
60°	1279	1340	1431
65°	1244	1314	1513
70°	1180	1336	1714
75°	1089	1528	1734
80°	962	1534	1664
85°	787	1751	1917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.6	0.5
10°-20°	45.3	1.6
20°-30°	70.3	2.5
30°-40°	87.0	3.1
40°-50°	92.7	3.3
50°-60°	86.4	3.0
60°-70°	70.4	2.5
70°-80°	48.3	1.7
80°-90°	18.9	0.7
90°-100°	166.0	5.8
100°-110°	429.2	15.1
110°-120°	445.0	15.7
120°-130°	395.5	13.9
130°-140°	329.6	11.6
140°-150°	251.3	8.8
150°-160°	169.3	6.0
160°-170°	91.8	3.2
170°-180°	28.2	1.0
0°-30°	131.2	4.6
0°-40°	218.2	7.7
0°-60°	397.3	14.0
0°-90°	534.9	18.8
90°-120°	1040.1	36.6
90°-150°	2016.6	71.0
90°-180°	2306.0	81.2
0°-180°	2840.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	165	164	163	163	164	16
15°	159	159	159	161	162	45
25°	149	150	152	156	156	69
35°	134	135	139	143	144	84
45°	115	117	120	124	125	89
55°	92	93	96	100	102	82
65°	65	67	69	75	79	64
75°	35	38	49	55	56	37
85°	8	15	19	21	21	10
90°	1	2	2	1	1	3
95°	24	186	131	23	23	24
105°	72	297	462	545	574	75
115°	124	306	499	622	647	123
125°	173	313	480	579	610	154
135°	214	322	454	538	565	165
145°	248	317	417	487	508	155
155°	272	303	377	426	438	125
165°	286	293	319	350	360	81
175°	290	291	292	294	295	28
180°	291	291	291	291	291	



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CATALOG NUMBER: J3-UL-30L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	164.1	164.1	164.1	164.1	164.1
2.5°	165.0	165.0	163.1	163.1	163.1
5°	165.0	164.1	163.1	163.1	164.1
7.5°	164.1	164.1	162.2	163.1	164.1
10°	162.2	162.2	162.2	163.1	163.1
12.5°	161.3	161.3	161.3	162.2	163.1
15°	159.4	159.4	159.4	161.3	162.2
17.5°	157.5	157.5	158.4	160.3	161.3
20°	154.7	155.6	156.5	159.4	160.3
22.5°	152.8	152.8	154.7	157.5	158.4
25°	149.0	149.9	151.8	155.6	156.5
27.5°	145.2	146.2	149.0	152.8	153.7
30°	142.4	143.3	146.2	149.9	150.9
32.5°	137.7	139.6	142.4	147.1	148.1
35°	133.9	134.8	138.6	143.3	144.3
37.5°	129.2	131.1	133.9	138.6	140.5
40°	124.5	126.4	130.1	134.8	135.8
42.5°	119.8	121.6	124.5	129.2	131.1
45°	115.0	116.9	119.8	124.5	125.4
47.5°	109.4	111.3	114.1	118.8	119.8
50°	103.7	105.6	108.4	112.2	114.1
52.5°	98.1	100.0	102.8	106.6	107.5
55°	92.4	93.4	96.2	100.0	101.8
57.5°	85.8	87.7	89.6	93.4	95.2
60°	79.2	80.2	83.0	86.8	88.6
62.5°	71.7	73.6	76.4	80.2	83.9
65°	65.1	67.0	68.8	75.4	79.2
67.5°	57.5	59.4	62.2	70.7	77.3
70°	50.0	51.9	56.6	68.8	72.6
72.5°	42.4	44.3	51.9	63.2	65.1
75°	34.9	37.7	49.0	54.7	55.6
77.5°	27.3	30.2	41.5	44.3	45.3
80°	20.7	25.5	33.0	35.8	35.8
82.5°	14.1	21.7	25.5	27.3	28.3
85°	8.5	15.1	18.9	20.7	20.7
87.5°	4.7	9.4	13.2	16.0	15.1
90°	0.9	1.9	1.9	0.9	0.9
92.5°	13.2	38.7	11.3	10.4	10.4
95°	23.6	185.8	131.1	22.6	22.6
97.5°	33.9	227.3	388.5	457.4	344.2
100°	45.3	269.7	413.0	511.1	540.3
102.5°	57.5	289.5	433.8	525.3	556.4
105°	71.7	297.0	462.1	545.1	574.3
107.5°	84.9	301.8	491.3	563.0	590.3
110°	98.1	303.6	511.1	583.7	607.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	111.3	305.5	503.6	608.2	626.2
115°	124.5	306.5	498.8	622.4	646.9
117.5°	136.7	308.4	495.1	608.2	648.8
120°	149.0	310.2	490.4	596.9	630.9
122.5°	161.3	312.1	484.7	588.4	621.4
125°	172.6	313.1	480.0	579.0	610.1
127.5°	183.9	315.0	473.4	569.6	598.8
130°	195.2	318.7	466.8	559.2	587.5
132.5°	203.7	321.6	460.2	549.8	577.1
135°	214.1	322.5	453.6	538.5	564.9
137.5°	224.4	322.5	445.1	527.1	551.7
140°	232.9	321.6	436.6	513.9	538.5
142.5°	240.5	319.7	426.2	500.7	523.4
145°	248.0	316.8	416.8	486.6	508.3
147.5°	255.6	314.0	409.3	471.5	491.3
150°	261.2	310.2	399.8	455.5	475.3
152.5°	265.9	305.5	389.5	440.4	454.5
155°	271.6	302.7	377.2	426.2	438.5
157.5°	276.3	298.9	363.1	411.1	422.5
160°	280.1	297.0	348.9	391.3	403.6
162.5°	282.9	294.2	332.9	371.5	381.0
165°	285.7	293.3	318.7	349.9	360.2
167.5°	286.7	291.4	307.4	327.2	335.7
170°	288.6	291.4	299.9	311.2	315.0
172.5°	289.5	291.4	295.2	300.8	302.7
175°	290.4	291.4	292.3	294.2	295.2
177.5°	290.4	291.4	291.4	291.4	291.4
180°	291.4	291.4	291.4	291.4	291.4

(END OF REPORT)