

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: P275191

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L92765-1D-UNV-W2A-W-4 (2700K)  
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 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2361.8 lumens  
Efficiency: N/A  
Efficacy: 114.1 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

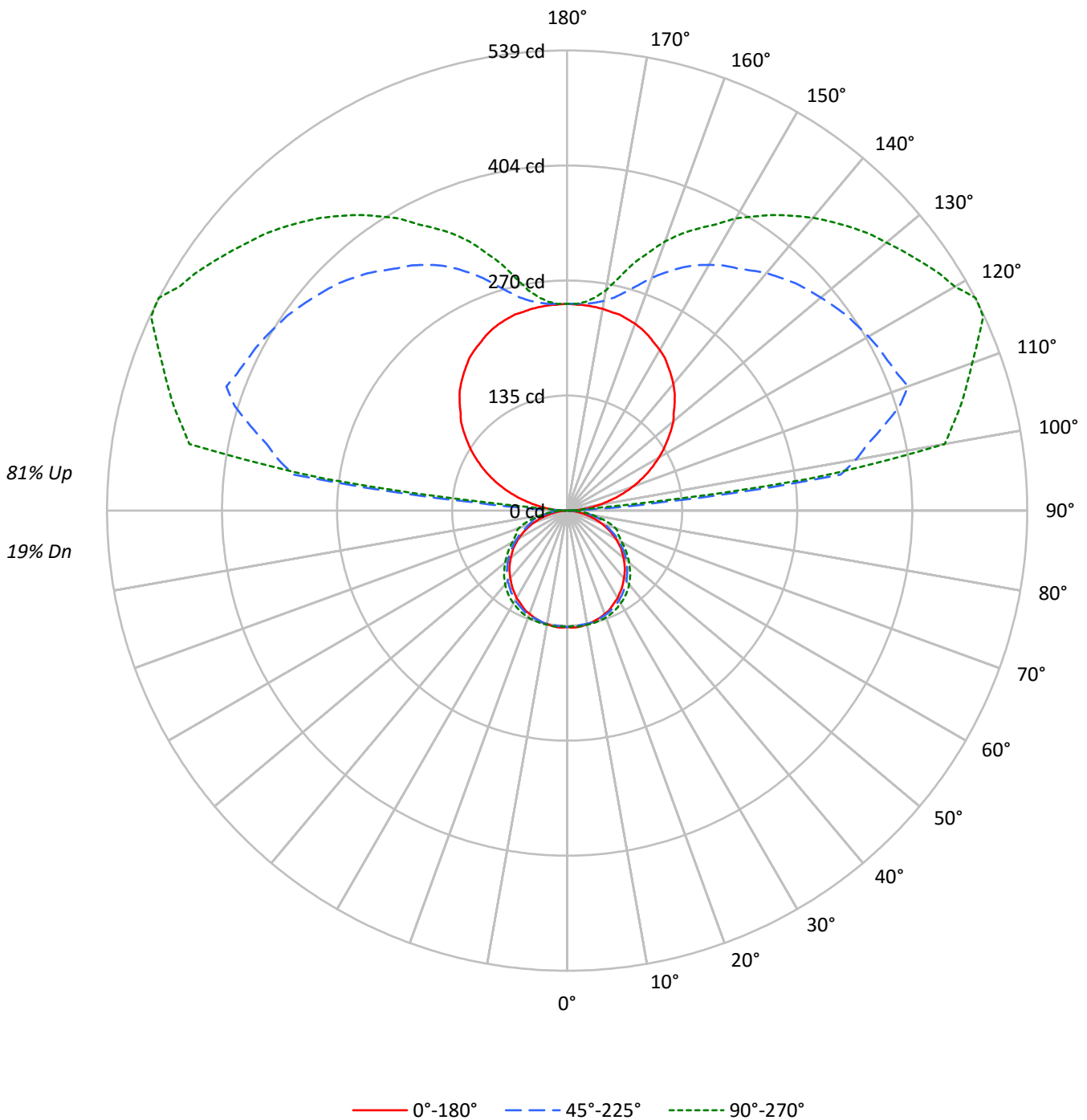
Input Watts (W): 20.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1101	1101	1101
5°	1112	1099	1105
10°	1105	1105	1112
15°	1107	1107	1127
20°	1105	1118	1145
25°	1104	1124	1159
30°	1104	1133	1169
35°	1097	1135	1183
40°	1091	1140	1190
45°	1091	1137	1191
50°	1083	1133	1192
55°	1081	1126	1192
60°	1064	1114	1190
65°	1033	1093	1259
70°	982	1109	1426
75°	905	1273	1444
80°	800	1274	1385
85°	658	1454	1593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.5
10°-20°	37.7	1.6
20°-30°	58.5	2.5
30°-40°	72.3	3.1
40°-50°	77.1	3.3
50°-60°	71.8	3.0
60°-70°	58.5	2.5
70°-80°	40.2	1.7
80°-90°	15.7	0.7
90°-100°	138.0	5.8
100°-110°	356.8	15.1
110°-120°	369.9	15.7
120°-130°	328.8	13.9
130°-140°	274.0	11.6
140°-150°	208.9	8.8
150°-160°	140.8	6.0
160°-170°	76.3	3.2
170°-180°	23.5	1.0
0°-30°	109.1	4.6
0°-40°	181.4	7.7
0°-60°	330.3	14.0
0°-90°	444.7	18.8
90°-120°	864.7	36.6
90°-150°	1676.5	71.0
90°-180°	1917.0	81.2
0°-180°	2361.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	136	136	136	136	136	
5°	137	136	136	136	136	13
15°	132	132	132	134	135	37
25°	124	125	126	129	130	57
35°	111	112	115	119	120	70
45°	96	97	100	104	104	74
55°	77	78	80	83	85	68
65°	54	56	57	63	66	53
75°	29	31	41	46	46	31
85°	7	12	16	17	17	8
90°	1	2	2	1	1	2
95°	20	154	109	19	19	20
105°	60	247	384	453	478	63
115°	104	255	415	517	538	102
125°	144	260	399	481	507	128
135°	178	268	377	448	470	137
145°	206	263	346	404	423	129
155°	226	252	314	354	365	104
165°	238	244	265	291	300	67
175°	242	242	243	245	245	23
180°	242	242	242	242	242	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	136.4	136.4	136.4	136.4	136.4
2.5°	137.2	137.2	135.6	135.6	135.6
5°	137.2	136.4	135.6	135.6	136.4
7.5°	136.4	136.4	134.8	135.6	136.4
10°	134.8	134.8	134.8	135.6	135.6
12.5°	134.1	134.1	134.1	134.8	135.6
15°	132.5	132.5	132.5	134.1	134.8
17.5°	130.9	130.9	131.7	133.3	134.1
20°	128.6	129.4	130.1	132.5	133.3
22.5°	127.0	127.0	128.6	130.9	131.7
25°	123.9	124.7	126.2	129.4	130.1
27.5°	120.7	121.5	123.9	127.0	127.8
30°	118.4	119.2	121.5	124.7	125.4
32.5°	114.5	116.0	118.4	122.3	123.1
35°	111.3	112.1	115.2	119.2	120.0
37.5°	107.4	109.0	111.3	115.2	116.8
40°	103.5	105.1	108.2	112.1	112.9
42.5°	99.6	101.1	103.5	107.4	109.0
45°	95.6	97.2	99.6	103.5	104.3
47.5°	90.9	92.5	94.9	98.8	99.6
50°	86.2	87.8	90.2	93.3	94.9
52.5°	81.5	83.1	85.5	88.6	89.4
55°	76.8	77.6	80.0	83.1	84.7
57.5°	71.3	72.9	74.5	77.6	79.2
60°	65.9	66.6	69.0	72.1	73.7
62.5°	59.6	61.2	63.5	66.6	69.8
65°	54.1	55.7	57.2	62.7	65.9
67.5°	47.8	49.4	51.7	58.8	64.3
70°	41.6	43.1	47.0	57.2	60.4
72.5°	35.3	36.8	43.1	52.5	54.1
75°	29.0	31.4	40.8	45.5	46.3
77.5°	22.7	25.1	34.5	36.8	37.6
80°	17.2	21.2	27.4	29.8	29.8
82.5°	11.8	18.0	21.2	22.7	23.5
85°	7.1	12.5	15.7	17.2	17.2
87.5°	3.9	7.8	11.0	13.3	12.5
90°	0.8	1.6	1.6	0.8	0.8
92.5°	11.0	32.1	9.4	8.6	8.6
95°	19.6	154.4	109.0	18.8	18.8
97.5°	28.2	188.9	323.0	380.2	286.2
100°	37.6	224.2	343.4	424.9	449.2
102.5°	47.8	240.7	360.6	436.7	462.6
105°	59.6	247.0	384.2	453.2	477.5
107.5°	70.6	250.9	408.5	468.0	490.8
110°	81.5	252.4	424.9	485.3	504.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	92.5	254.0	418.7	505.7	520.6
115°	103.5	254.8	414.7	517.4	537.8
117.5°	113.7	256.4	411.6	505.7	539.4
120°	123.9	257.9	407.7	496.3	524.5
122.5°	134.1	259.5	403.0	489.2	516.7
125°	143.5	260.3	399.1	481.4	507.2
127.5°	152.9	261.9	393.6	473.5	497.8
130°	162.3	265.0	388.1	464.9	488.4
132.5°	169.3	267.3	382.6	457.1	479.8
135°	178.0	268.1	377.1	447.7	469.6
137.5°	186.6	268.1	370.0	438.3	458.6
140°	193.6	267.3	363.0	427.3	447.7
142.5°	199.9	265.8	354.4	416.3	435.1
145°	206.2	263.4	346.5	404.5	422.6
147.5°	212.5	261.1	340.3	392.0	408.5
150°	217.2	257.9	332.4	378.7	395.1
152.5°	221.1	254.0	323.8	366.1	377.9
155°	225.8	251.7	313.6	354.4	364.6
157.5°	229.7	248.5	301.8	341.8	351.2
160°	232.8	247.0	290.1	325.4	335.6
162.5°	235.2	244.6	276.8	308.9	316.7
165°	237.6	243.8	265.0	290.9	299.5
167.5°	238.3	242.3	255.6	272.0	279.1
170°	239.9	242.3	249.3	258.7	261.9
172.5°	240.7	242.3	245.4	250.1	251.7
175°	241.5	242.3	243.0	244.6	245.4
177.5°	241.5	242.3	242.3	242.3	242.3
180°	242.3	242.3	242.3	242.3	242.3

(END OF REPORT)