

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: P275196

Luminaire Tested: **J3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275196  
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 (5000K)  
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 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2783.5 lumens  
Efficiency: N/A  
Efficacy: 131.3 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

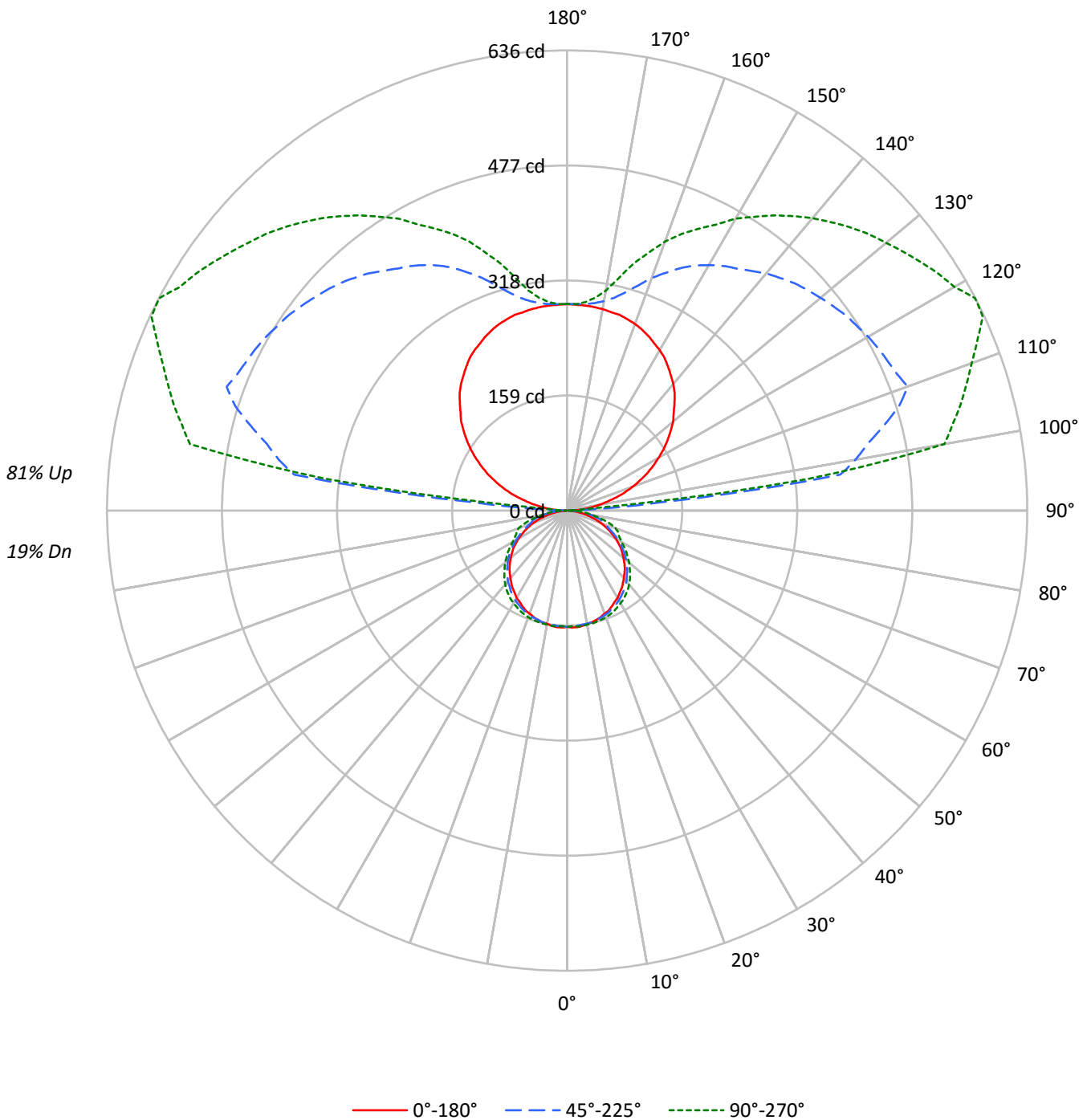
Input Watts (W): 21.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1298	1298	1298
5°	1310	1296	1303
10°	1303	1303	1311
15°	1305	1305	1328
20°	1302	1318	1350
25°	1300	1325	1366
30°	1300	1335	1378
35°	1293	1338	1394
40°	1286	1344	1403
45°	1287	1339	1403
50°	1276	1335	1404
55°	1275	1326	1405
60°	1253	1313	1403
65°	1219	1289	1482
70°	1157	1308	1678
75°	1067	1497	1700
80°	944	1502	1632
85°	769	1714	1880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.3	0.5
10°-20°	44.4	1.6
20°-30°	68.9	2.5
30°-40°	85.2	3.1
40°-50°	90.8	3.3
50°-60°	84.6	3.0
60°-70°	69.0	2.5
70°-80°	47.4	1.7
80°-90°	18.5	0.7
90°-100°	162.6	5.8
100°-110°	420.6	15.1
110°-120°	436.0	15.7
120°-130°	387.5	13.9
130°-140°	323.0	11.6
140°-150°	246.2	8.8
150°-160°	165.9	6.0
160°-170°	89.9	3.2
170°-180°	27.6	1.0
0°-30°	128.6	4.6
0°-40°	213.8	7.7
0°-60°	389.2	14.0
0°-90°	524.1	18.8
90°-120°	1019.2	36.6
90°-150°	1975.9	71.0
90°-180°	2259.0	81.2
0°-180°	2783.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	161	161	161	161	161	
5°	162	161	160	160	161	15
15°	156	156	156	158	159	44
25°	146	147	149	152	153	67
35°	131	132	136	140	141	82
45°	113	115	117	122	123	87
55°	91	92	94	98	100	81
65°	64	66	68	74	78	63
75°	34	37	48	54	54	36
85°	8	15	18	20	20	9
90°	1	2	2	1	1	3
95°	23	182	128	22	22	23
105°	70	291	453	534	563	74
115°	122	300	489	610	634	120
125°	169	307	470	567	598	151
135°	210	316	444	528	554	162
145°	243	310	408	477	498	152
155°	266	297	370	418	430	123
165°	280	287	312	343	353	79
175°	285	286	286	288	289	27
180°	286	286	286	286	286	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	160.8	160.8	160.8	160.8	160.8
2.5°	161.7	161.7	159.9	159.9	159.9
5°	161.7	160.8	159.9	159.9	160.8
7.5°	160.8	160.8	158.9	159.9	160.8
10°	158.9	158.9	158.9	159.9	159.9
12.5°	158.0	158.0	158.0	158.9	159.9
15°	156.2	156.2	156.2	158.0	158.9
17.5°	154.3	154.3	155.2	157.1	158.0
20°	151.5	152.5	153.4	156.2	157.1
22.5°	149.7	149.7	151.5	154.3	155.2
25°	146.0	146.9	148.8	152.5	153.4
27.5°	142.3	143.2	146.0	149.7	150.6
30°	139.5	140.4	143.2	146.9	147.8
32.5°	134.9	136.8	139.5	144.1	145.1
35°	131.2	132.1	135.8	140.4	141.4
37.5°	126.6	128.4	131.2	135.8	137.7
40°	122.0	123.8	127.5	132.1	133.1
42.5°	117.3	119.2	122.0	126.6	128.4
45°	112.7	114.6	117.3	122.0	122.9
47.5°	107.2	109.0	111.8	116.4	117.3
50°	101.6	103.5	106.3	110.0	111.8
52.5°	96.1	97.9	100.7	104.4	105.3
55°	90.6	91.5	94.2	97.9	99.8
57.5°	84.1	85.9	87.8	91.5	93.3
60°	77.6	78.5	81.3	85.0	86.9
62.5°	70.2	72.1	74.8	78.5	82.2
65°	63.8	65.6	67.5	73.9	77.6
67.5°	56.4	58.2	61.0	69.3	75.8
70°	49.0	50.8	55.4	67.5	71.1
72.5°	41.6	43.4	50.8	61.9	63.8
75°	34.2	37.0	48.0	53.6	54.5
77.5°	26.8	29.6	40.7	43.4	44.4
80°	20.3	24.9	32.3	35.1	35.1
82.5°	13.9	21.3	24.9	26.8	27.7
85°	8.3	14.8	18.5	20.3	20.3
87.5°	4.6	9.2	12.9	15.7	14.8
90°	0.9	1.8	1.8	0.9	0.9
92.5°	12.9	37.9	11.1	10.2	10.2
95°	23.1	182.0	128.4	22.2	22.2
97.5°	33.3	222.7	380.7	448.1	337.3
100°	44.4	264.3	404.7	500.8	529.5
102.5°	56.4	283.7	425.0	514.7	545.2
105°	70.2	291.1	452.8	534.1	562.7
107.5°	83.2	295.7	481.4	551.6	578.4
110°	96.1	297.5	500.8	572.0	595.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	109.0	299.4	493.4	596.0	613.5
115°	122.0	300.3	488.8	609.8	633.9
117.5°	134.0	302.1	485.1	596.0	635.7
120°	146.0	304.0	480.5	584.9	618.2
122.5°	158.0	305.8	474.9	576.6	608.9
125°	169.1	306.8	470.3	567.3	597.8
127.5°	180.2	308.6	463.8	558.1	586.7
130°	191.3	312.3	457.4	547.9	575.7
132.5°	199.6	315.1	450.9	538.7	565.5
135°	209.7	316.0	444.4	527.6	553.5
137.5°	219.9	316.0	436.1	516.5	540.5
140°	228.2	315.1	427.8	503.6	527.6
142.5°	235.6	313.2	417.6	490.6	512.8
145°	243.0	310.5	408.4	476.8	498.0
147.5°	250.4	307.7	401.0	462.0	481.4
150°	255.9	304.0	391.8	446.3	465.7
152.5°	260.6	299.4	381.6	431.5	445.4
155°	266.1	296.6	369.6	417.6	429.7
157.5°	270.7	292.9	355.7	402.9	414.0
160°	274.4	291.1	341.9	383.5	395.5
162.5°	277.2	288.3	326.2	364.1	373.3
165°	280.0	287.4	312.3	342.8	353.0
167.5°	280.9	285.5	301.2	320.6	328.9
170°	282.7	285.5	293.8	304.9	308.6
172.5°	283.7	285.5	289.2	294.8	296.6
175°	284.6	285.5	286.4	288.3	289.2
177.5°	284.6	285.5	285.5	285.5	285.5
180°	285.5	285.5	285.5	285.5	285.5

(END OF REPORT)