

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: P275175

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275175  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-20L92765-1D-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: 1836.5 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

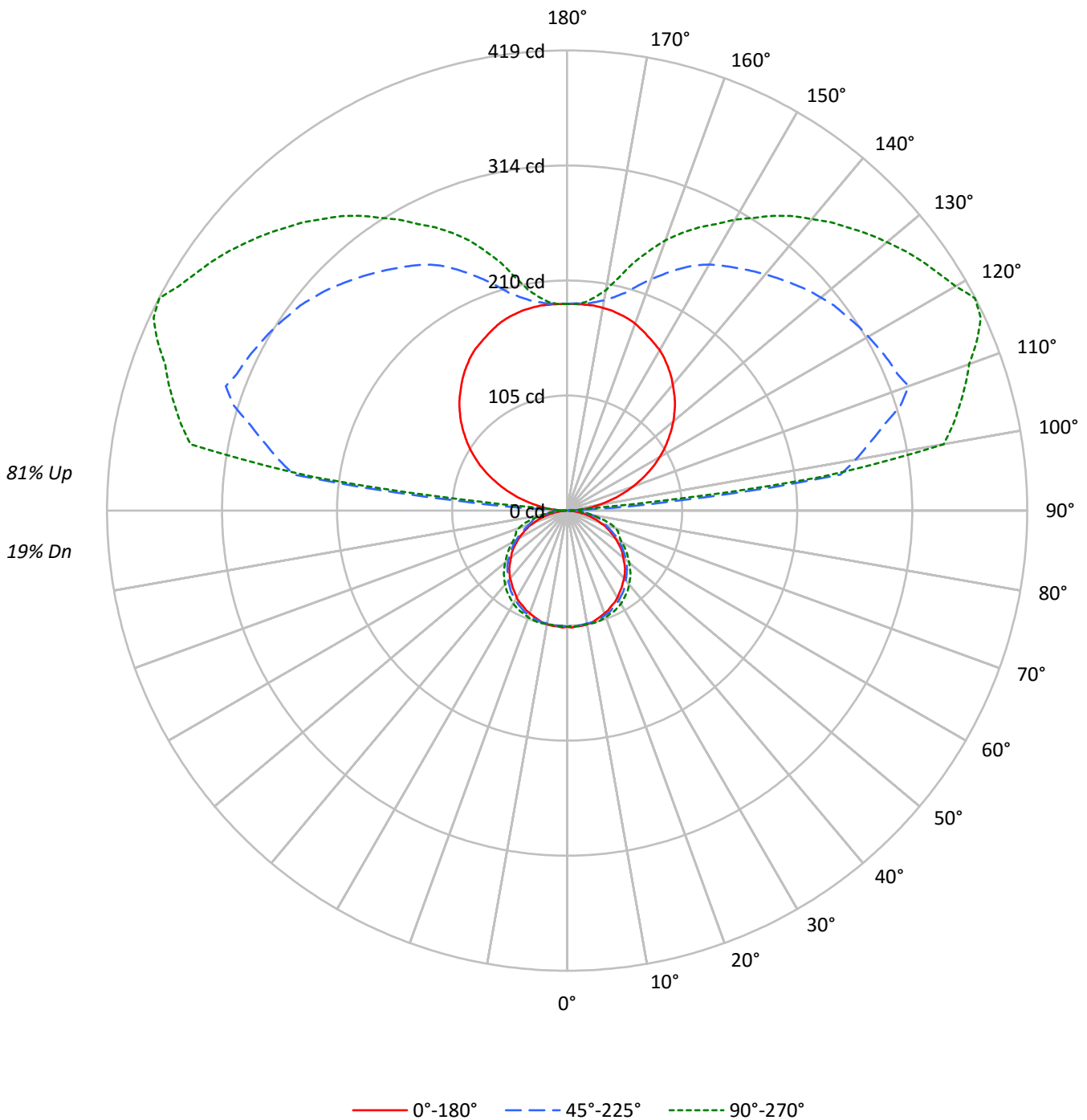
Input Watts (W): 16.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	82	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	19	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°	854	854	854
5°	857	852	857
10°	862	855	862
15°	858	865	878
20°	856	869	889
25°	852	873	901
30°	855	877	914
35°	850	881	919
40°	852	876	925
45°	851	877	930
50°	836	877	926
55°	839	871	928
60°	823	861	924
65°	795	854	988
70°	758	869	1109
75°	708	1001	1126
80°	581	986	1093
85°	509	1093	1232



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.5
10°-20°	29.3	1.6
20°-30°	45.4	2.5
30°-40°	56.0	3.1
40°-50°	59.7	3.3
50°-60°	55.7	3.0
60°-70°	45.6	2.5
70°-80°	31.4	1.7
80°-90°	12.2	0.7
90°-100°	109.3	6.0
100°-110°	276.9	15.1
110°-120°	287.1	15.6
120°-130°	255.9	13.9
130°-140°	212.9	11.6
140°-150°	162.1	8.8
150°-160°	109.1	5.9
160°-170°	59.3	3.2
170°-180°	18.2	1.0
0°-30°	84.8	4.6
0°-40°	140.8	7.7
0°-60°	256.3	14.0
0°-90°	345.5	18.8
90°-120°	673.4	36.7
90°-150°	1304.3	71.0
90°-180°	1491.0	81.2
0°-180°	1836.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	106	106	106	106	106	
5°	106	106	105	106	106	10
15°	103	104	104	104	105	29
25°	96	96	98	100	101	44
35°	86	87	89	92	93	54
45°	74	75	77	80	82	57
55°	60	60	62	64	66	53
65°	42	43	45	49	52	41
75°	23	24	32	35	36	24
85°	6	9	12	13	13	6
90°	1	1	1	1	1	2
95°	16	121	96	15	15	15
105°	46	191	298	352	370	49
115°	81	198	323	401	416	80
125°	112	202	310	376	395	100
135°	139	208	292	349	364	107
145°	160	205	270	314	328	100
155°	175	194	243	274	285	81
165°	185	190	205	226	234	52
175°	188	188	189	190	190	18
180°	188	188	188	188	188	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	105.8	105.8	105.8	105.8	105.8
2.5°	106.6	106.6	105.1	105.8	105.1
5°	105.8	105.8	105.1	105.8	105.8
7.5°	105.8	105.8	105.1	105.8	105.1
10°	105.1	105.1	104.3	105.1	105.1
12.5°	104.3	104.3	104.3	105.1	105.1
15°	102.7	103.5	103.5	104.3	105.1
17.5°	101.1	101.9	102.7	103.5	104.3
20°	99.6	100.4	101.1	102.7	103.5
22.5°	98.0	98.8	100.4	101.9	101.9
25°	95.6	96.4	98.0	100.4	101.1
27.5°	94.1	94.9	96.4	98.8	99.6
30°	91.7	92.5	94.1	97.2	98.0
32.5°	88.6	90.2	91.7	94.9	95.6
35°	86.2	87.0	89.4	92.5	93.3
37.5°	83.1	83.9	86.2	89.4	90.9
40°	80.8	81.5	83.1	86.2	87.8
42.5°	77.6	78.4	80.0	83.1	84.7
45°	74.5	75.3	76.8	80.0	81.5
47.5°	70.6	72.1	73.7	76.0	77.6
50°	66.6	68.2	69.8	72.9	73.7
52.5°	63.5	64.3	65.9	68.2	69.8
55°	59.6	60.4	61.9	64.3	65.9
57.5°	54.9	56.4	58.0	60.4	61.9
60°	51.0	52.5	53.3	56.4	57.2
62.5°	46.3	47.8	49.4	51.7	54.1
65°	41.6	43.1	44.7	49.4	51.7
67.5°	37.6	38.4	40.0	46.3	50.2
70°	32.1	33.7	36.8	44.7	47.0
72.5°	27.4	29.0	33.7	40.8	42.3
75°	22.7	24.3	32.1	35.3	36.1
77.5°	18.0	19.6	27.4	29.0	29.0
80°	12.5	16.5	21.2	23.5	23.5
82.5°	8.6	14.1	16.5	18.0	18.0
85°	5.5	9.4	11.8	13.3	13.3
87.5°	3.1	6.3	9.4	10.2	10.2
90°	0.8	0.8	0.8	0.8	0.8
92.5°	8.6	25.1	7.1	7.1	7.1
95°	15.7	120.7	95.6	14.9	14.9
97.5°	22.0	146.6	250.9	310.5	232.1
100°	29.0	174.0	266.6	329.3	348.1
102.5°	36.8	186.6	281.5	339.5	359.9
105°	46.3	191.3	297.9	352.0	370.0
107.5°	54.9	193.6	318.3	363.0	380.2
110°	63.5	195.2	330.8	375.5	389.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	72.1	196.0	325.4	392.0	403.8
115°	80.8	197.6	323.0	401.4	415.5
117.5°	89.4	198.4	319.9	392.0	418.7
120°	97.2	199.9	316.7	386.5	408.5
122.5°	105.1	200.7	313.6	381.0	401.4
125°	112.1	202.3	309.7	375.5	395.1
127.5°	119.2	203.8	306.5	369.3	388.1
130°	126.2	206.2	301.8	363.0	380.2
132.5°	132.5	207.8	297.1	355.9	372.4
135°	138.8	208.5	291.6	348.9	363.8
137.5°	144.3	208.5	286.2	341.0	355.9
140°	149.7	207.8	280.7	332.4	346.5
142.5°	155.2	207.0	275.2	323.0	337.9
145°	159.9	204.6	269.7	313.6	327.7
147.5°	164.6	202.3	264.2	303.4	316.0
150°	168.6	199.1	258.7	292.4	305.8
152.5°	171.7	196.8	251.7	283.0	294.0
155°	174.8	194.4	243.0	274.4	284.6
157.5°	178.0	192.9	233.6	264.2	273.6
160°	181.1	192.1	224.2	252.4	261.9
162.5°	183.5	190.5	214.8	239.1	247.7
165°	185.0	189.7	205.4	225.8	233.6
167.5°	186.6	188.9	199.1	210.9	217.2
170°	187.4	188.2	194.4	200.7	203.8
172.5°	188.2	188.2	191.3	194.4	196.0
175°	188.2	188.2	188.9	190.5	190.5
177.5°	188.2	188.9	188.9	188.9	188.2
180°	188.2	188.2	188.2	188.2	188.2

(END OF REPORT)