

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: P253574

Luminaire Tested: **J3-UL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253574  
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-30L93050-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2559.8 lumens  
Efficiency: N/A  
Efficacy: 121.3 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

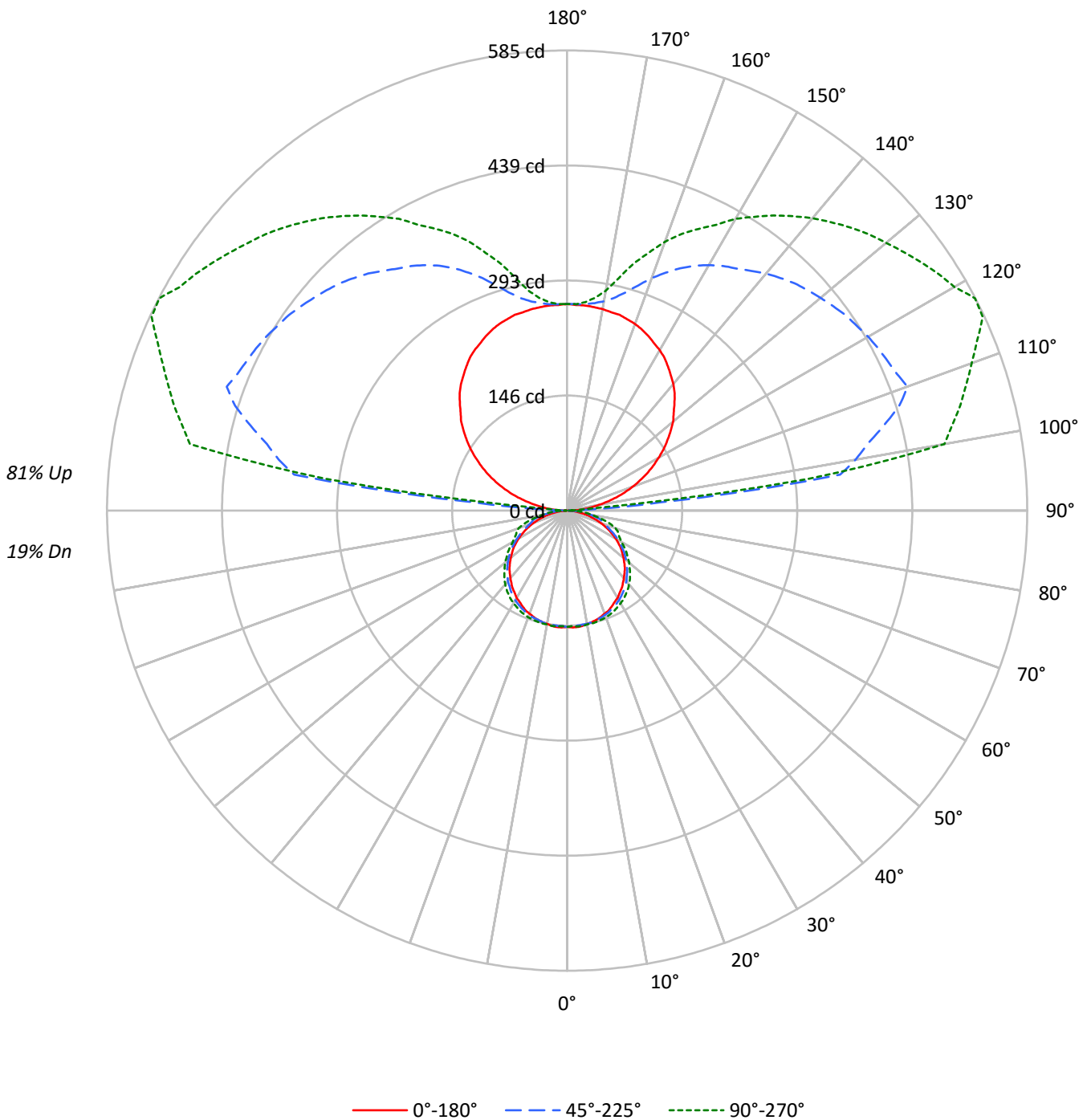
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

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

	0°	45°	90°
0°	1194	1194	1194
5°	1205	1191	1199
10°	1198	1198	1205
15°	1200	1200	1222
20°	1198	1212	1241
25°	1196	1219	1257
30°	1196	1228	1268
35°	1190	1231	1281
40°	1182	1236	1290
45°	1184	1232	1290
50°	1174	1227	1291
55°	1172	1220	1292
60°	1153	1208	1290
65°	1119	1184	1364
70°	1062	1204	1544
75°	979	1379	1563
80°	869	1381	1502
85°	704	1575	1732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	0.5
10°-20°	40.8	1.6
20°-30°	63.4	2.5
30°-40°	78.4	3.1
40°-50°	83.5	3.3
50°-60°	77.8	3.0
60°-70°	63.4	2.5
70°-80°	43.5	1.7
80°-90°	17.0	0.7
90°-100°	149.5	5.8
100°-110°	386.8	15.1
110°-120°	401.0	15.7
120°-130°	356.4	13.9
130°-140°	297.0	11.6
140°-150°	226.5	8.8
150°-160°	152.6	6.0
160°-170°	82.7	3.2
170°-180°	25.4	1.0
0°-30°	118.3	4.6
0°-40°	196.6	7.7
0°-60°	358.0	14.0
0°-90°	482.0	18.8
90°-120°	937.3	36.6
90°-150°	1817.1	71.0
90°-180°	2078.0	81.2
0°-180°	2559.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	148	148	148	148	148	
5°	149	148	147	147	148	14
15°	144	144	144	145	146	41
25°	134	135	137	140	141	62
35°	121	122	125	129	130	75
45°	104	105	108	112	113	80
55°	83	84	87	90	92	74
65°	59	60	62	68	71	58
75°	31	34	44	49	50	33
85°	8	14	17	19	19	9
90°	1	2	2	1	1	2
95°	21	167	118	20	20	21
105°	65	268	416	491	518	68
115°	112	276	450	561	583	111
125°	156	282	432	522	550	139
135°	193	291	409	485	509	149
145°	224	286	376	438	458	140
155°	245	273	340	384	395	113
165°	258	264	287	315	325	73
175°	262	263	263	265	266	25
180°	263	263	263	263	263	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	147.9	147.9	147.9	147.9	147.9
2.5°	148.7	148.7	147.0	147.0	147.0
5°	148.7	147.9	147.0	147.0	147.9
7.5°	147.9	147.9	146.2	147.0	147.9
10°	146.2	146.2	146.2	147.0	147.0
12.5°	145.3	145.3	145.3	146.2	147.0
15°	143.6	143.6	143.6	145.3	146.2
17.5°	141.9	141.9	142.8	144.5	145.3
20°	139.4	140.2	141.1	143.6	144.5
22.5°	137.7	137.7	139.4	141.9	142.8
25°	134.3	135.1	136.8	140.2	141.1
27.5°	130.9	131.7	134.3	137.7	138.5
30°	128.3	129.2	131.7	135.1	136.0
32.5°	124.1	125.8	128.3	132.6	133.4
35°	120.7	121.5	124.9	129.2	130.0
37.5°	116.4	118.1	120.7	124.9	126.6
40°	112.2	113.9	117.3	121.5	122.4
42.5°	107.9	109.6	112.2	116.4	118.1
45°	103.7	105.4	107.9	112.2	113.0
47.5°	98.6	100.3	102.8	107.1	107.9
50°	93.5	95.2	97.7	101.1	102.8
52.5°	88.4	90.1	92.6	96.0	96.9
55°	83.3	84.1	86.7	90.1	91.8
57.5°	77.3	79.0	80.7	84.1	85.8
60°	71.4	72.2	74.8	78.2	79.9
62.5°	64.6	66.3	68.8	72.2	75.6
65°	58.6	60.3	62.0	68.0	71.4
67.5°	51.8	53.5	56.1	63.7	69.7
70°	45.0	46.7	51.0	62.0	65.4
72.5°	38.2	39.9	46.7	56.9	58.6
75°	31.4	34.0	44.2	49.3	50.1
77.5°	24.6	27.2	37.4	39.9	40.8
80°	18.7	22.9	29.7	32.3	32.3
82.5°	12.7	19.5	22.9	24.6	25.5
85°	7.6	13.6	17.0	18.7	18.7
87.5°	4.2	8.5	11.9	14.4	13.6
90°	0.8	1.7	1.7	0.8	0.8
92.5°	11.9	34.8	10.2	9.3	9.3
95°	21.2	167.4	118.1	20.4	20.4
97.5°	30.6	204.8	350.1	412.1	310.2
100°	40.8	243.0	372.2	460.6	486.9
102.5°	51.8	260.9	390.9	473.3	501.3
105°	64.6	267.7	416.4	491.2	517.5
107.5°	76.5	271.9	442.7	507.3	531.9
110°	88.4	273.6	460.6	526.0	547.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	100.3	275.3	453.8	548.1	564.2
115°	112.2	276.2	449.5	560.8	582.9
117.5°	123.2	277.9	446.1	548.1	584.6
120°	134.3	279.6	441.9	537.9	568.5
122.5°	145.3	281.3	436.8	530.2	560.0
125°	155.5	282.1	432.5	521.7	549.8
127.5°	165.7	283.8	426.6	513.2	539.6
130°	175.9	287.2	420.6	503.9	529.4
132.5°	183.5	289.8	414.7	495.4	520.0
135°	192.9	290.6	408.7	485.2	509.0
137.5°	202.2	290.6	401.1	475.0	497.1
140°	209.9	289.8	393.4	463.1	485.2
142.5°	216.7	288.1	384.1	451.2	471.6
145°	223.5	285.5	375.6	438.5	458.0
147.5°	230.3	283.0	368.8	424.9	442.7
150°	235.4	279.6	360.3	410.4	428.3
152.5°	239.6	275.3	350.9	396.8	409.6
155°	244.7	272.8	339.9	384.1	395.1
157.5°	249.0	269.4	327.2	370.5	380.7
160°	252.4	267.7	314.4	352.6	363.7
162.5°	254.9	265.1	300.0	334.8	343.3
165°	257.5	264.3	287.2	315.3	324.6
167.5°	258.3	262.6	277.0	294.9	302.5
170°	260.0	262.6	270.2	280.4	283.8
172.5°	260.9	262.6	266.0	271.1	272.8
175°	261.7	262.6	263.4	265.1	266.0
177.5°	261.7	262.6	262.6	262.6	262.6
180°	262.6	262.6	262.6	262.6	262.6

(END OF REPORT)