

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: P253605

Luminaire Tested: **J3-UL-80L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L83050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7548.6 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

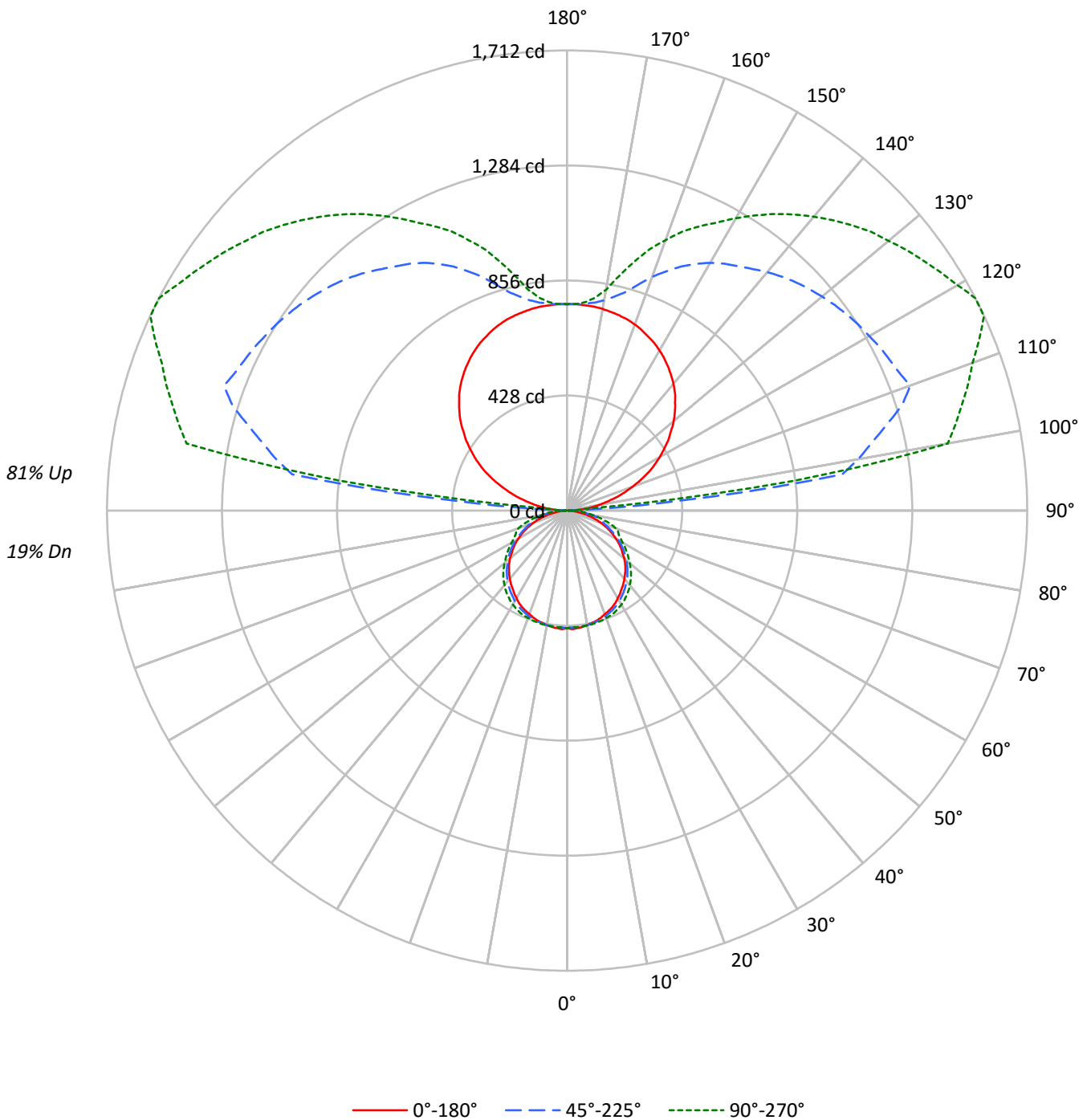
Input Watts (W): 62.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	3534	3534	3534
5°	3558	3527	3527
10°	3547	3547	3558
15°	3544	3565	3595
20°	3524	3588	3653
25°	3531	3609	3721
30°	3509	3625	3765
35°	3488	3624	3796
40°	3492	3624	3822
45°	3498	3627	3841
50°	3486	3612	3817
55°	3450	3590	3820
60°	3392	3554	3836
65°	3320	3511	4038
70°	3158	3543	4546
75°	2926	4058	4563
80°	2501	4128	4533
85°	1973	4631	5215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	0.6
10°-20°	120.9	1.6
20°-30°	187.3	2.5
30°-40°	231.0	3.1
40°-50°	246.3	3.3
50°-60°	229.6	3.0
60°-70°	187.5	2.5
70°-80°	129.2	1.7
80°-90°	51.1	0.7
90°-100°	444.8	5.9
100°-110°	1140.1	15.1
110°-120°	1180.5	15.6
120°-130°	1051.1	13.9
130°-140°	875.2	11.6
140°-150°	666.3	8.8
150°-160°	448.4	5.9
160°-170°	243.1	3.2
170°-180°	74.5	1.0
0°-30°	349.8	4.6
0°-40°	580.8	7.7
0°-60°	1056.6	14.0
0°-90°	1424.5	18.9
90°-120°	2765.5	36.6
90°-150°	5358.1	71.0
90°-180°	6124.0	81.1
0°-180°	7548.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	439	438	435	435	435	42
15°	424	425	426	432	430	120
25°	396	399	405	414	418	183
35°	354	359	368	379	385	222
45°	306	309	318	329	336	236
55°	245	249	255	264	271	219
65°	174	178	184	201	211	171
75°	94	100	130	145	146	99
85°	21	40	50	58	56	25
90°	2	4	5	4	4	7
95°	62	495	415	61	60	62
105°	188	787	1229	1452	1521	198
115°	331	815	1324	1650	1711	326
125°	460	834	1271	1543	1620	410
135°	568	857	1202	1431	1501	439
145°	654	838	1109	1292	1347	409
155°	714	798	1002	1130	1167	330
165°	752	777	842	925	957	212
175°	767	770	772	777	778	73
180°	768	768	768	768	768	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	437.7	437.7	437.7	437.7	437.7
2.5°	441.5	439.0	435.2	435.2	434.0
5°	439.0	437.7	435.2	435.2	435.2
7.5°	436.5	436.5	434.0	435.2	434.0
10°	432.7	434.0	432.7	435.2	434.0
12.5°	427.7	430.2	430.2	434.0	432.7
15°	424.0	425.2	426.5	431.5	430.2
17.5°	417.7	420.2	422.7	429.0	429.0
20°	410.2	413.9	417.7	425.2	425.2
22.5°	403.9	407.7	411.4	420.2	422.7
25°	396.4	398.9	405.2	413.9	417.7
27.5°	387.7	390.2	397.7	406.4	411.4
30°	376.4	381.4	388.9	398.9	403.9
32.5°	366.4	371.4	377.7	390.2	395.2
35°	353.9	358.9	367.7	378.9	385.2
37.5°	343.9	348.9	356.4	367.7	375.2
40°	331.4	335.2	343.9	355.2	362.7
42.5°	318.9	323.9	331.4	343.9	350.2
45°	306.4	308.9	317.7	328.9	336.4
47.5°	292.6	295.1	302.6	315.2	320.2
50°	277.6	281.4	287.6	298.9	303.9
52.5°	260.1	265.1	272.6	281.4	287.6
55°	245.1	248.9	255.1	263.9	271.4
57.5°	228.9	232.6	238.9	247.6	255.1
60°	210.1	213.9	220.1	231.4	237.6
62.5°	191.3	196.3	201.3	212.6	223.9
65°	173.8	177.6	183.8	201.3	211.4
67.5°	153.8	158.8	165.1	190.1	205.1
70°	133.8	138.8	150.1	183.8	192.6
72.5°	115.1	118.8	137.6	170.1	172.6
75°	93.8	100.0	130.1	145.1	146.3
77.5°	72.5	81.3	111.3	121.3	122.6
80°	53.8	67.5	88.8	96.3	97.5
82.5°	37.5	57.5	68.8	75.0	75.0
85°	21.3	40.0	50.0	57.5	56.3
87.5°	12.5	26.3	37.5	43.8	42.5
90°	2.5	3.8	5.0	3.8	3.8
92.5°	32.5	105.1	28.8	28.8	27.5
95°	62.5	495.2	415.2	61.3	60.0
97.5°	90.0	601.5	1031.7	1231.8	856.7
100°	121.3	715.3	1099.3	1356.9	1438.2
102.5°	151.3	764.1	1159.3	1398.2	1479.5
105°	187.6	786.6	1229.3	1451.9	1520.7
107.5°	222.6	797.9	1306.9	1498.2	1564.5
110°	257.6	805.4	1358.2	1550.7	1604.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	293.9	810.4	1338.1	1613.3	1659.5
115°	331.4	815.4	1324.4	1649.5	1710.8
117.5°	365.2	819.1	1313.1	1614.5	1712.1
120°	397.7	824.1	1298.1	1589.5	1677.1
122.5°	427.7	830.4	1285.6	1567.0	1648.3
125°	460.2	834.2	1270.6	1543.2	1619.5
127.5°	487.7	839.2	1255.6	1514.5	1592.0
130°	517.7	847.9	1238.1	1489.5	1560.7
132.5°	544.0	854.2	1220.6	1462.0	1534.5
135°	567.8	856.7	1201.8	1430.7	1500.7
137.5°	594.0	855.4	1180.6	1399.4	1464.5
140°	615.3	850.4	1158.1	1365.7	1426.9
142.5°	635.3	846.7	1133.0	1330.6	1388.2
145°	654.1	837.9	1109.3	1291.9	1346.9
147.5°	671.6	829.1	1089.3	1251.9	1301.9
150°	687.8	816.6	1064.3	1205.6	1255.6
152.5°	702.8	806.6	1034.2	1165.6	1208.1
155°	714.1	797.9	1001.7	1130.5	1166.8
157.5°	726.6	791.6	963.0	1085.5	1124.3
160°	736.6	785.4	925.4	1034.2	1070.5
162.5°	745.4	780.4	881.7	984.2	1019.2
165°	751.6	776.6	841.7	925.4	956.7
167.5°	756.6	772.9	815.4	864.2	894.2
170°	761.6	771.6	794.1	822.9	834.2
172.5°	765.4	771.6	780.4	794.1	799.1
175°	766.6	770.4	771.6	776.6	777.9
177.5°	769.1	771.6	767.9	769.1	769.1
180°	767.9	767.9	767.9	767.9	767.9

(END OF REPORT)