

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: P253303

Luminaire Tested: **J3-UL-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253303  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-30L830-1D-UNV-STD-W-4  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
Light Source: (224) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

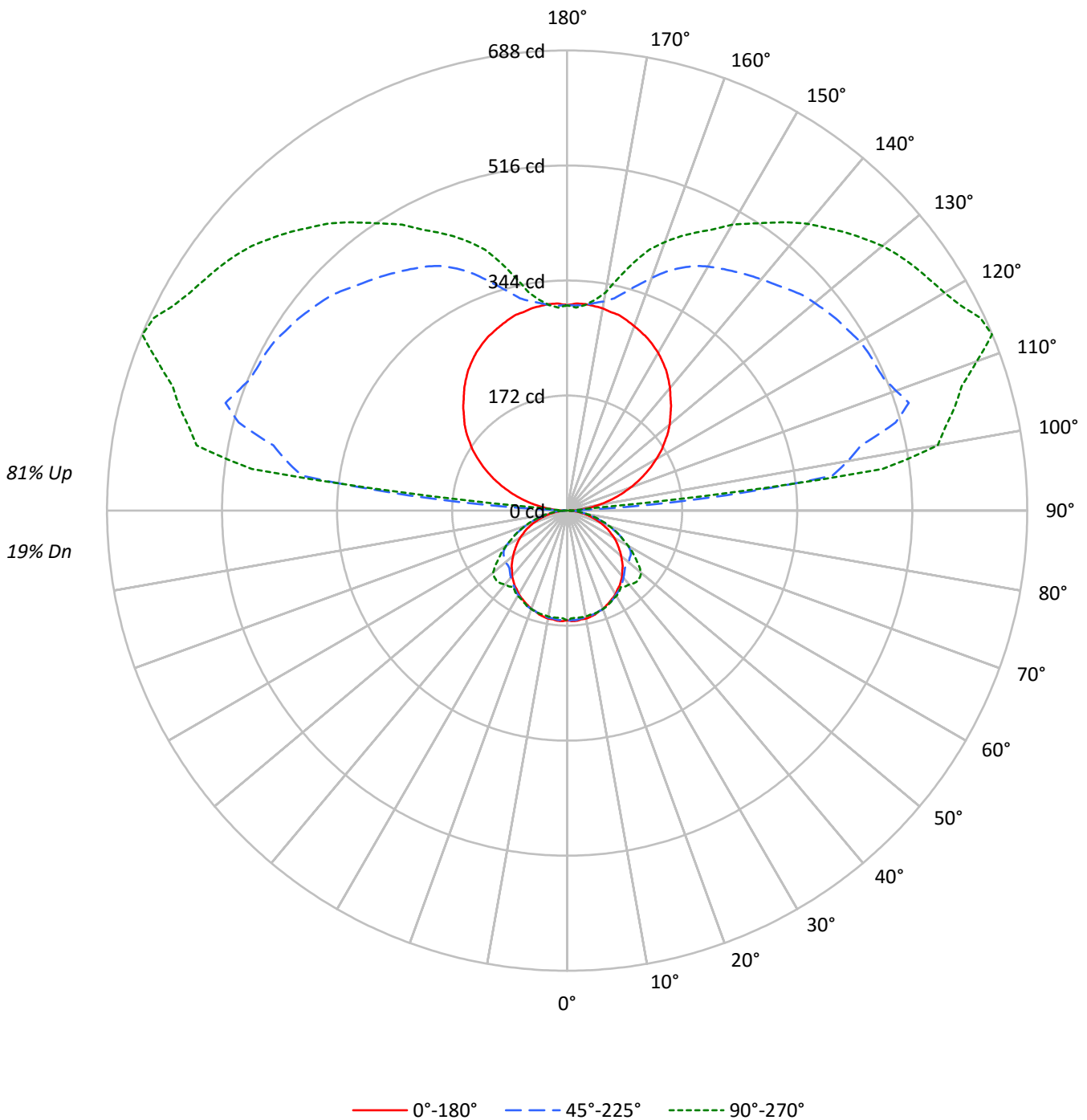
Lumens per Lamp: N/A  
Luminaire Lumens: 2972.6 lumens  
Efficiency: N/A  
Efficacy: 150.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 19.7  
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	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	36	30	28	26	18	17	16	10
4	68	58	50	44	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	43	38	55	45	39	34	34	30	26	24	21	19	14	13	11	7
6	57	46	38	32	50	40	34	29	31	26	23	21	18	16	13	11	10	6
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6
8	49	37	30	24	43	33	26	22	25	20	17	18	15	12	11	9	8	5
9	45	33	26	21	40	30	24	19	23	18	15	16	13	11	10	8	7	4
10	42	30	24	19	37	27	21	17	21	16	13	15	12	10	9	7	6	4

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

	0°	45°	90°
0°	1324	1324	1324
5°	1341	1329	1305
10°	1344	1332	1320
15°	1346	1333	1333
20°	1344	1344	1344
25°	1341	1354	1354
30°	1346	1360	1375
35°	1349	1364	1379
40°	1348	1379	1522
45°	1340	1392	1701
50°	1322	1512	1814
55°	1313	1631	1758
60°	1311	1700	1700
65°	1293	1639	1639
70°	1244	1563	1563
75°	1173	1454	1500
80°	1120	1399	1399
85°	973	1677	1389



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.5
10°-20°	45.1	1.5
20°-30°	69.9	2.4
30°-40°	87.1	2.9
40°-50°	99.3	3.3
50°-60°	99.2	3.3
60°-70°	79.0	2.7
70°-80°	48.6	1.6
80°-90°	17.4	0.6
90°-100°	184.7	6.2
100°-110°	450.0	15.1
110°-120°	460.2	15.5
120°-130°	408.3	13.7
130°-140°	341.8	11.5
140°-150°	261.5	8.8
150°-160°	177.9	6.0
160°-170°	97.3	3.3
170°-180°	29.8	1.0
0°-30°	130.5	4.4
0°-40°	217.6	7.3
0°-60°	416.0	14.0
0°-90°	561.0	18.9
90°-120°	1095.0	36.8
90°-150°	2106.5	70.9
90°-180°	2412.0	81.1
0°-180°	2972.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	166	162	164	162	161	16
15°	161	160	160	160	160	45
25°	150	150	152	152	152	69
35°	137	137	138	140	140	85
45°	117	117	122	141	149	90
55°	93	95	116	125	125	83
65°	68	72	86	86	86	66
75°	38	47	47	48	48	40
85°	10	15	18	17	15	12
90°	3	6	3	0	0	4
95°	24	197	197	24	24	24
105°	74	302	509	569	600	78
115°	128	308	510	638	682	126
125°	178	319	495	602	635	159
135°	220	332	468	561	588	169
145°	257	330	436	507	525	161
155°	284	313	400	450	459	131
165°	302	308	338	373	384	85
175°	310	307	308	310	308	29
180°	307	307	307	307	307	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	164.0	164.0	164.0	164.0	164.0
2.5°	165.5	164.0	164.0	162.5	161.0
5°	165.5	162.5	164.0	162.5	161.0
7.5°	164.0	162.5	162.5	162.5	161.0
10°	164.0	161.0	162.5	161.0	161.0
12.5°	162.5	161.0	161.0	161.0	159.5
15°	161.0	159.5	159.5	159.5	159.5
17.5°	158.0	156.5	158.0	158.0	158.0
20°	156.5	155.0	156.5	156.5	156.5
22.5°	153.5	152.0	155.0	155.0	155.0
25°	150.5	150.5	152.0	152.0	152.0
27.5°	147.5	147.5	149.0	150.5	149.0
30°	144.4	142.9	145.9	147.5	147.5
32.5°	139.9	139.9	142.9	142.9	144.4
35°	136.9	136.9	138.4	139.9	139.9
37.5°	132.4	132.4	135.4	136.9	142.9
40°	127.9	127.9	130.9	138.4	144.4
42.5°	121.9	123.4	126.4	138.4	147.5
45°	117.4	117.4	121.9	141.4	149.0
47.5°	111.3	112.8	120.4	141.4	147.5
50°	105.3	106.8	120.4	139.9	144.4
52.5°	99.3	100.8	117.4	133.9	135.4
55°	93.3	94.8	115.9	124.9	124.9
57.5°	87.3	88.8	112.8	115.9	115.9
60°	81.2	82.8	105.3	105.3	105.3
62.5°	73.7	75.2	94.8	94.8	94.8
65°	67.7	72.2	85.8	85.8	85.8
67.5°	60.2	66.2	75.2	76.7	76.7
70°	52.7	61.7	66.2	66.2	66.2
72.5°	45.1	55.7	55.7	57.2	57.2
75°	37.6	46.6	46.6	48.1	48.1
77.5°	30.1	37.6	37.6	39.1	39.1
80°	24.1	28.6	30.1	30.1	30.1
82.5°	18.1	22.6	22.6	22.6	22.6
85°	10.5	15.0	18.1	16.6	15.0
87.5°	6.0	12.0	12.0	10.5	9.0
90°	3.0	6.0	3.0	0.0	0.0
92.5°	15.0	49.7	15.0	10.5	10.5
95°	24.1	197.1	197.1	24.1	24.1
97.5°	34.6	243.7	400.2	504.0	475.5
100°	46.6	303.9	425.8	526.6	562.7
102.5°	60.2	299.4	449.9	546.2	579.3
105°	73.7	302.4	508.6	568.7	600.3
107.5°	87.3	302.4	535.6	583.8	618.4
110°	100.8	302.4	523.6	645.5	651.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	114.4	305.4	513.1	650.0	687.6
115°	127.9	308.4	510.1	638.0	681.6
117.5°	141.4	309.9	508.6	622.9	663.5
120°	153.5	311.5	505.5	616.9	651.5
122.5°	167.0	314.5	499.5	609.4	642.5
125°	177.5	319.0	495.0	601.8	634.9
127.5°	189.6	322.0	489.0	594.3	625.9
130°	200.1	326.5	483.0	582.3	615.4
132.5°	209.1	331.0	477.0	573.3	601.8
135°	219.7	332.5	467.9	561.2	588.3
137.5°	228.7	334.0	458.9	550.7	573.3
140°	239.2	332.5	451.4	535.6	559.7
142.5°	248.3	331.0	443.9	520.6	543.2
145°	257.3	329.5	436.3	507.1	525.1
147.5°	264.8	326.5	428.8	492.0	508.6
150°	272.3	322.0	421.3	478.5	493.5
152.5°	278.4	317.5	412.3	463.4	474.0
155°	284.4	313.0	400.2	449.9	458.9
157.5°	288.9	309.9	386.7	434.8	443.9
160°	293.4	308.4	370.1	419.8	427.3
162.5°	297.9	308.4	353.6	400.2	409.3
165°	302.4	308.4	338.5	373.1	383.7
167.5°	303.9	306.9	325.0	347.6	356.6
170°	306.9	306.9	317.5	328.0	331.0
172.5°	308.4	306.9	313.0	317.5	317.5
175°	309.9	306.9	308.4	309.9	308.4
177.5°	309.9	306.9	306.9	306.9	303.9
180°	306.9	306.9	306.9	306.9	306.9

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