

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: P253338

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-FL-30L830-1D-UNV-STD-W-4  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.  
Light Source: (224) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

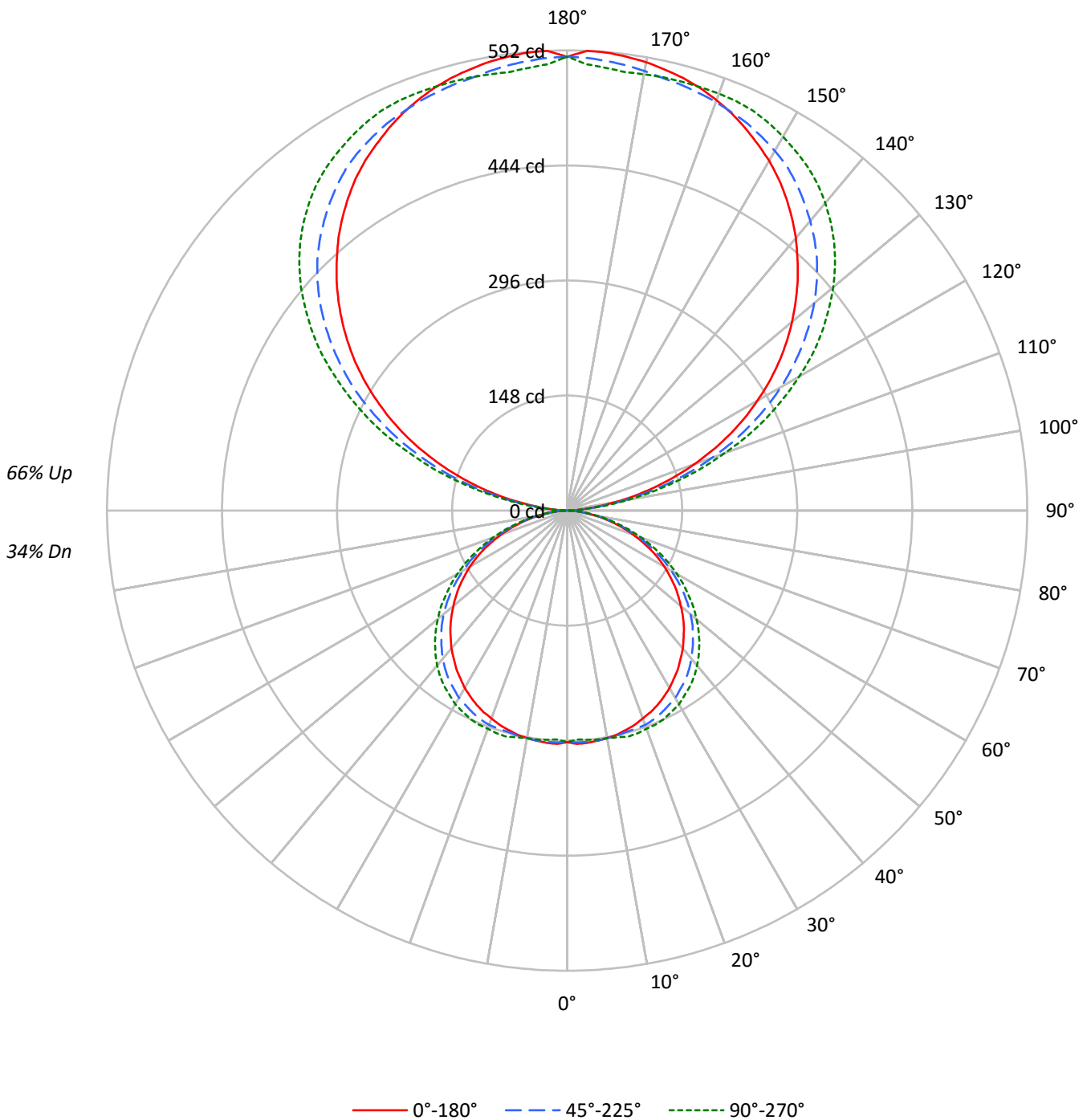
Lumens per Lamp: N/A  
Luminaire Lumens: 2849.0 lumens  
Efficiency: N/A  
Efficacy: 144.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

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

	0°	45°	90°
0°	2405	2405	2405
5°	2430	2420	2399
10°	2436	2436	2436
15°	2441	2463	2517
20°	2444	2521	2565
25°	2455	2557	2631
30°	2455	2592	2683
35°	2451	2615	2716
40°	2440	2621	2742
45°	2424	2613	2745
50°	2400	2602	2730
55°	2374	2566	2690
60°	2331	2498	2632
65°	2260	2405	2541
70°	2129	2266	2384
75°	1956	2074	2174
80°	1697	1813	1878
85°	1362	1408	1482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.4	1.0
10°-20°	83.6	2.9
20°-30°	131.6	4.6
30°-40°	164.5	5.8
40°-50°	175.3	6.2
50°-60°	161.7	5.7
60°-70°	124.2	4.4
70°-80°	70.3	2.5
80°-90°	18.5	0.7
90°-100°	29.9	1.0
100°-110°	140.6	4.9
110°-120°	254.8	8.9
120°-130°	327.2	11.5
130°-140°	348.1	12.2
140°-150°	320.3	11.2
150°-160°	253.7	8.9
160°-170°	161.0	5.7
170°-180°	55.2	1.9
0°-30°	243.6	8.6
0°-40°	408.1	14.3
0°-60°	745.1	26.2
0°-90°	958.2	33.6
90°-120°	425.2	14.9
90°-150°	1420.9	49.9
90°-180°	1891.0	66.4
0°-180°	2849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	298	298	298	298	298	
5°	300	297	299	298	296	29
15°	292	291	295	300	301	83
25°	276	276	287	293	295	127
35°	249	253	265	272	276	155
45°	212	218	229	236	240	164
55°	169	174	182	188	191	151
65°	118	121	126	130	133	117
75°	63	64	66	69	70	67
85°	15	15	15	16	16	17
90°	1	1	1	0	0	2
95°	20	20	22	24	25	26
105°	118	123	134	143	146	125
115°	230	240	260	276	284	227
125°	332	343	369	389	400	297
135°	419	426	455	474	486	323
145°	491	489	514	530	540	307
155°	543	535	549	561	567	250
165°	576	567	567	569	571	163
175°	591	584	580	576	572	56
180°	584	584	584	584	584	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	297.9	297.9	297.9	297.9	297.9
2.5°	300.5	297.9	298.6	298.6	294.7
5°	299.8	297.2	298.6	297.9	296.0
7.5°	298.6	296.6	298.6	298.6	297.2
10°	297.2	295.4	297.2	297.9	297.2
12.5°	295.4	293.5	296.6	297.9	298.6
15°	292.1	290.9	294.7	299.8	301.2
17.5°	289.0	288.3	294.1	299.8	300.5
20°	284.5	284.5	293.5	297.9	298.6
22.5°	280.7	280.7	290.9	295.4	297.9
25°	275.6	276.2	287.1	292.9	295.4
27.5°	269.8	271.7	282.6	289.0	291.5
30°	263.4	266.6	278.1	284.5	287.8
32.5°	255.8	260.2	271.7	278.1	281.3
35°	248.7	253.2	265.3	271.7	275.6
37.5°	239.8	245.5	257.6	264.0	268.6
40°	231.5	237.3	248.7	255.8	260.2
42.5°	221.8	228.2	239.1	246.2	250.6
45°	212.3	218.0	228.9	235.9	240.4
47.5°	202.0	207.8	218.8	225.1	229.5
50°	191.1	197.5	207.2	213.5	217.4
52.5°	180.2	186.0	195.0	201.5	205.2
55°	168.7	173.9	182.3	188.1	191.1
57.5°	156.6	161.7	168.7	174.5	177.7
60°	144.4	148.3	154.7	160.4	163.0
62.5°	131.7	135.0	140.6	145.2	148.3
65°	118.3	120.9	125.9	130.4	133.0
67.5°	104.3	106.8	111.2	115.1	117.0
70°	90.2	92.7	96.0	99.0	101.0
72.5°	76.6	78.0	81.2	83.8	85.0
75°	62.7	63.9	66.5	69.0	69.7
77.5°	49.9	50.5	52.5	53.8	54.3
80°	36.5	37.7	39.0	39.6	40.4
82.5°	24.9	25.6	26.2	26.8	27.4
85°	14.7	15.2	15.2	16.0	16.0
87.5°	6.4	7.0	7.0	7.0	7.0
90°	0.7	0.7	0.7	0.0	0.0
92.5°	6.4	6.4	7.0	7.6	8.3
95°	19.8	20.5	22.4	23.7	24.9
97.5°	39.6	40.9	44.7	48.0	49.2
100°	63.9	66.5	72.3	76.6	78.7
102.5°	90.2	93.9	102.3	108.7	111.9
105°	117.7	122.8	134.3	142.6	146.4
107.5°	145.8	152.2	166.9	176.5	181.6
110°	173.9	182.3	198.2	210.9	214.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	202.0	210.9	230.1	244.2	251.3
115°	230.1	239.8	260.2	276.2	283.9
117.5°	257.1	267.2	289.6	307.6	314.5
120°	282.6	293.5	317.8	336.3	344.6
122.5°	308.1	318.5	343.9	363.7	374.1
125°	332.5	342.7	369.0	389.3	400.2
127.5°	355.5	365.0	392.6	413.6	423.9
130°	377.8	386.8	414.9	435.5	447.0
132.5°	399.0	407.3	435.5	455.3	467.4
135°	419.4	425.8	454.6	474.4	486.0
137.5°	438.6	443.1	471.3	491.1	502.0
140°	457.8	459.1	486.5	505.1	516.6
142.5°	475.0	474.4	500.6	518.5	529.4
145°	491.1	489.1	514.0	530.0	539.6
147.5°	506.3	502.0	525.5	539.1	547.9
150°	519.7	514.0	534.5	547.9	555.5
152.5°	531.2	524.9	542.1	554.3	561.9
155°	542.8	535.2	549.2	560.7	567.1
157.5°	553.0	543.4	554.3	564.5	569.8
160°	561.9	552.5	559.4	567.1	571.0
162.5°	569.8	560.1	563.3	567.7	571.0
165°	576.1	567.1	567.1	569.0	571.0
167.5°	581.1	573.5	569.8	570.3	571.0
170°	585.7	577.9	574.1	570.3	569.8
172.5°	588.9	581.1	577.9	572.8	569.0
175°	591.4	584.4	580.5	576.1	571.6
177.5°	592.0	586.2	583.1	578.6	574.8
180°	583.7	583.7	583.7	583.7	583.7

(END OF REPORT)