

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: P253306

Luminaire Tested: **J3-UL-60L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253306  
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-60L830-1D-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: 5869.0 lumens  
Efficiency: N/A  
Efficacy: 142.1 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

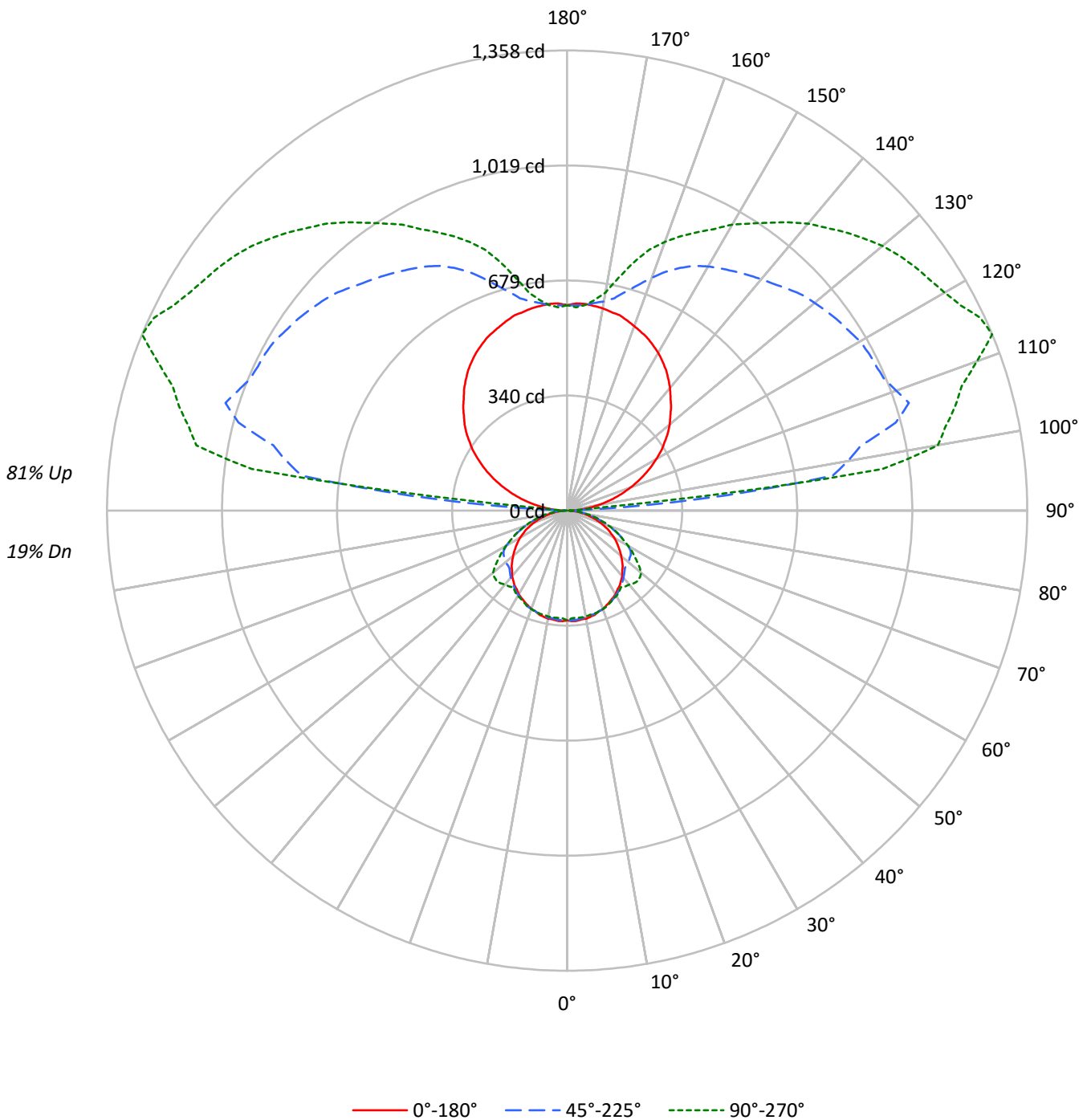
Input Watts (W): 41.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2614	2614	2614
5°	2648	2624	2576
10°	2654	2630	2606
15°	2657	2632	2632
20°	2654	2654	2654
25°	2646	2672	2672
30°	2659	2687	2714
35°	2664	2693	2723
40°	2661	2723	3006
45°	2645	2747	3358
50°	2611	2985	3582
55°	2593	3219	3471
60°	2590	3357	3357
65°	2554	3234	3234
70°	2455	3085	3085
75°	2318	2873	2966
80°	2208	2762	2762
85°	1927	3298	2751



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	0.5
10°-20°	89.0	1.5
20°-30°	137.9	2.4
30°-40°	171.9	2.9
40°-50°	196.0	3.3
50°-60°	195.8	3.3
60°-70°	155.9	2.7
70°-80°	96.0	1.6
80°-90°	34.4	0.6
90°-100°	364.8	6.2
100°-110°	888.6	15.1
110°-120°	908.5	15.5
120°-130°	806.2	13.7
130°-140°	674.7	11.5
140°-150°	516.3	8.8
150°-160°	351.3	6.0
160°-170°	192.2	3.3
170°-180°	58.8	1.0
0°-30°	257.6	4.4
0°-40°	429.5	7.3
0°-60°	821.3	14.0
0°-90°	1107.7	18.9
90°-120°	2161.9	36.8
90°-150°	4159.1	70.9
90°-180°	4761.0	81.1
0°-180°	5869.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	327	321	324	321	318	31
15°	318	315	315	315	315	90
25°	297	297	300	300	300	137
35°	270	270	273	276	276	169
45°	232	232	241	279	294	178
55°	184	187	229	247	247	165
65°	134	143	169	169	169	131
75°	74	92	92	95	95	79
85°	21	30	36	33	30	23
90°	6	12	6	0	0	7
95°	48	389	389	48	48	48
105°	146	597	1004	1123	1185	154
115°	252	609	1007	1260	1346	250
125°	350	630	977	1188	1254	314
135°	434	656	924	1108	1162	334
145°	508	651	862	1001	1037	317
155°	562	618	790	888	906	259
165°	597	609	668	737	758	168
175°	612	606	609	612	609	58
180°	606	606	606	606	606	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	323.8	323.8	323.8	323.8	323.8
2.5°	326.8	323.8	323.8	320.8	317.9
5°	326.8	320.8	323.8	320.8	317.9
7.5°	323.8	320.8	320.8	320.8	317.9
10°	323.8	317.9	320.8	317.9	317.9
12.5°	320.8	317.9	317.9	317.9	314.9
15°	317.9	314.9	314.9	314.9	314.9
17.5°	311.9	308.9	311.9	311.9	311.9
20°	308.9	306.0	308.9	308.9	308.9
22.5°	303.0	300.0	306.0	306.0	306.0
25°	297.1	297.1	300.0	300.0	300.0
27.5°	291.1	291.1	294.1	297.1	294.1
30°	285.2	282.2	288.2	291.1	291.1
32.5°	276.3	276.3	282.2	282.2	285.2
35°	270.3	270.3	273.3	276.3	276.3
37.5°	261.4	261.4	267.4	270.3	282.2
40°	252.5	252.5	258.4	273.3	285.2
42.5°	240.6	243.6	249.5	273.3	291.1
45°	231.7	231.7	240.6	279.2	294.1
47.5°	219.8	222.8	237.7	279.2	291.1
50°	207.9	210.9	237.7	276.3	285.2
52.5°	196.1	199.0	231.7	264.4	267.4
55°	184.2	187.2	228.7	246.6	246.6
57.5°	172.3	175.3	222.8	228.7	228.7
60°	160.4	163.4	207.9	207.9	207.9
62.5°	145.6	148.5	187.2	187.2	187.2
65°	133.7	142.6	169.3	169.3	169.3
67.5°	118.8	130.7	148.5	151.5	151.5
70°	104.0	121.8	130.7	130.7	130.7
72.5°	89.1	109.9	109.9	112.9	112.9
75°	74.3	92.1	92.1	95.1	95.1
77.5°	59.4	74.3	74.3	77.2	77.2
80°	47.5	56.4	59.4	59.4	59.4
82.5°	35.6	44.6	44.6	44.6	44.6
85°	20.8	29.7	35.6	32.7	29.7
87.5°	11.9	23.8	23.8	20.8	17.8
90°	5.9	11.9	5.9	0.0	0.0
92.5°	29.7	98.0	29.7	20.8	20.8
95°	47.5	389.2	389.2	47.5	47.5
97.5°	68.3	481.2	790.2	995.2	938.7
100°	92.1	600.1	840.7	1039.7	1111.0
102.5°	118.8	591.2	888.2	1078.3	1143.7
105°	145.6	597.1	1004.1	1122.9	1185.3
107.5°	172.3	597.1	1057.5	1152.6	1220.9
110°	199.0	597.1	1033.8	1274.4	1286.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	225.8	603.0	1013.0	1283.3	1357.6
115°	252.5	609.0	1007.0	1259.6	1345.7
117.5°	279.2	612.0	1004.1	1229.8	1310.1
120°	303.0	614.9	998.1	1218.0	1286.3
122.5°	329.7	620.9	986.3	1203.1	1268.5
125°	350.5	629.8	977.3	1188.3	1253.6
127.5°	374.3	635.7	965.5	1173.4	1235.8
130°	395.1	644.6	953.6	1149.6	1215.0
132.5°	412.9	653.5	941.7	1131.8	1188.3
135°	433.7	656.5	923.9	1108.0	1161.5
137.5°	451.5	659.5	906.0	1087.3	1131.8
140°	472.3	656.5	891.2	1057.5	1105.1
142.5°	490.2	653.5	876.3	1027.8	1072.4
145°	508.0	650.6	861.5	1001.1	1036.8
147.5°	522.8	644.6	846.6	971.4	1004.1
150°	537.7	635.7	831.8	944.7	974.4
152.5°	549.6	626.8	814.0	915.0	935.8
155°	561.5	617.9	790.2	888.2	906.0
157.5°	570.4	612.0	763.5	858.5	876.3
160°	579.3	609.0	730.8	828.8	843.7
162.5°	588.2	609.0	698.1	790.2	808.0
165°	597.1	609.0	668.4	736.7	757.5
167.5°	600.1	606.0	641.7	686.2	704.0
170°	606.0	606.0	626.8	647.6	653.5
172.5°	609.0	606.0	617.9	626.8	626.8
175°	612.0	606.0	609.0	612.0	609.0
177.5°	612.0	606.0	606.0	606.0	600.1
180°	606.0	606.0	606.0	606.0	606.0

(END OF REPORT)